

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031622\
 Data File : BM034253.D
 Acq On : 16 Mar 2022 11:14
 Operator : CG/JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 4ppn
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 16 12:54:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	169538	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	706743	20.000	ng	0.00
39) Acenaphthene-d10	14.589	164	489101	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1010587	20.000	ng	0.00
76) Chrysene-d12	21.494	240	887272	20.000	ng	0.00
86) Perylene-d12	23.906	264	756381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	1375106	145.507	ng	0.00
7) Phenol-d6	7.107	99	1914949	141.524	ng	0.00
23) Nitrobenzene-d5	9.113	82	1127258	77.656	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	978176	148.378	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	2779443	77.654	ng	0.00
79) Terphenyl-d14	19.942	244	4339795	84.989	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.354	88	16289	3.810	ng	92
3) Pyridine	3.772	79	34862	3.013	ng	# 86
4) n-Nitrosodimethylamine	3.672	42	19068	3.471	ng	# 99
6) Aniline	7.266	93	57263	3.703	ng	98
8) 2-Chlorophenol	7.507	128	37456	3.389	ng	91
9) Benzaldehyde	7.078	77	38713m	5.310	ng	
10) Phenol	7.131	94	46145	3.429	ng	87
11) bis(2-Chloroethyl)ether	7.366	93	40183	3.638	ng	99
12) 1,3-Dichlorobenzene	7.837	146	43691	3.485	ng	95
13) 1,4-Dichlorobenzene	7.984	146	43755	3.409	ng	100
14) 1,2-Dichlorobenzene	8.301	146	42967	3.434	ng	98
15) Benzyl Alcohol	8.184	79	33336	3.096	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.484	45	54281	3.581	ng	99
17) 2-Methylphenol	8.389	107	30257	3.210	ng	97
18) Hexachloroethane	9.036	117	16608	3.508	ng	90
19) n-Nitroso-di-n-propyla...	8.754	70	33133	3.385	ng	98
20) 3+4-Methylphenols	8.719	107	39110	3.000	ng	97
22) Acetophenone	8.772	105	64858	3.576	ng	# 95
24) Nitrobenzene	9.148	77	52989	3.910	ng	99
25) Isophorone	9.678	82	89128	3.669	ng	97
26) 2-Nitrophenol	9.866	139	16838	2.802	ng	93
27) 2,4-Dimethylphenol	9.931	122	35197	3.740	ng	97
28) bis(2-Chloroethoxy)met...	10.166	93	51433	3.307	ng	98
29) 2,4-Dichlorophenol	10.407	162	31877	2.915	ng	96
30) 1,2,4-Trichlorobenzene	10.625	180	42403	3.412	ng	95
31) Naphthalene	10.813	128	126805	3.444	ng	99
32) Benzoic acid	9.983	122	12606m	1.620	ng	
33) 4-Chloroaniline	10.919	127	44533	3.066	ng	98
34) Hexachlorobutadiene	11.107	225	26841	3.409	ng	96
35) Caprolactam	11.672	113	9979m	2.625	ng	
36) 4-Chloro-3-methylphenol	12.036	107	37580	2.999	ng	99
37) 2-Methylnaphthalene	12.419	142	90358	3.439	ng	99
38) 1-Methylnaphthalene	12.636	142	90453	3.520	ng	99
40) 1,2,4,5-Tetrachloroben...	12.789	216	50314	3.409	ng	99
41) Hexachlorocyclopentadiene	12.777	237	30790	3.603	ng	96
43) 2,4,6-Trichlorophenol	13.019	196	28399	2.787	ng	98

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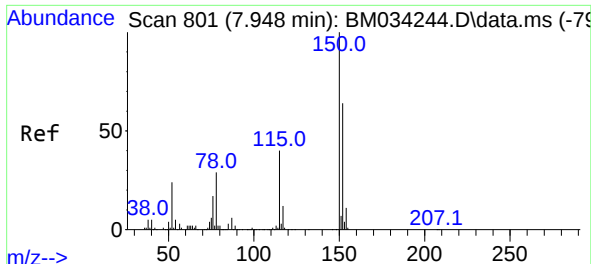
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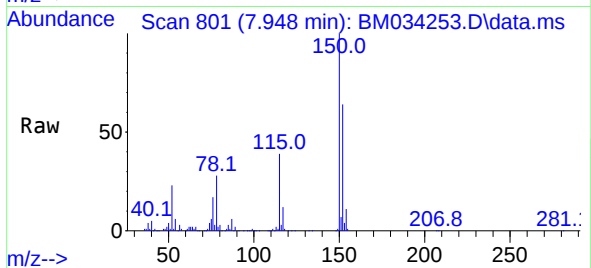
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	30232	2.764	ng	92
46) 1,1'-Biphenyl	13.424	154	129792	3.480	ng	98
47) 2-Chloronaphthalene	13.466	162	95339	3.331	ng	96
48) 2-Nitroaniline	13.660	65	21691	2.479	ng	86
49) Acenaphthylene	14.307	152	154875	3.471	ng	100
50) Dimethylphthalate	14.042	163	124550	3.346	ng	99
51) 2,6-Dinitrotoluene	14.154	165	23390	3.063	ng	91
52) Acenaphthene	14.648	154	95802	3.188	ng	97
53) 3-Nitroaniline	14.483	138	17654	2.305	ng	91
54) 2,4-Dinitrophenol	14.689	184	5612	1.312	ng #	82
55) Dibenzofuran	14.983	168	149963	3.348	ng	98
56) 4-Nitrophenol	14.789	139	10104m	1.627	ng	
57) 2,4-Dinitrotoluene	14.936	165	27916	2.705	ng	94
58) Fluorene	15.630	166	119378	3.283	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.207	232	28746	2.914	ng	98
60) Diethylphthalate	15.401	149	126475	3.312	ng	99
61) 4-Chlorophenyl-phenyle...	15.624	204	62926	3.390	ng	97
62) 4-Nitroaniline	15.642	138	14973m	2.032	ng	
63) Azobenzene	15.918	77	116333	3.159	ng	99
65) 4,6-Dinitro-2-methylph...	15.701	198	12606	1.918	ng	97
66) n-Nitrosodiphenylamine	15.836	169	101797	3.171	ng	99
67) 4-Bromophenyl-phenylether	16.518	248	38147	3.284	ng	97
68) Hexachlorobenzene	16.636	284	44965	3.470	ng	97
69) Atrazine	16.777	200	36226	3.423	ng	97
70) Pentachlorophenol	16.977	266	21872m	2.639	ng	
71) Phenanthrene	17.365	178	188908	3.338	ng	99
72) Anthracene	17.459	178	182011	3.304	ng	100
73) Carbazole	17.724	167	136911	2.665	ng	96
74) Di-n-butylphthalate	18.295	149	190706	2.986	ng	99
75) Fluoranthene	19.377	202	205452	3.238	ng	99
77) Benzidine	19.565	184	36652m	2.819	ng	
78) Pyrene	19.736	202	216714	3.467	ng	99
80) Butylbenzylphthalate	20.630	149	72184	2.730	ng	98
81) Benzo(a)anthracene	21.477	228	181905	3.248	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	45949	2.457	ng	99
83) Chrysene	21.530	228	191751	3.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.412	149	104945	2.688	ng	96
85) Di-n-octyl phthalate	22.336	149	155876	2.515	ng #	99
87) Indeno(1,2,3-cd)pyrene	26.424	276	122738	2.523	ng #	88
88) Benzo(b)fluoranthene	23.171	252	144413	3.193	ng	99
89) Benzo(k)fluoranthene	23.218	252	158297	3.304	ng	99
90) Benzo(a)pyrene	23.800	252	131159	3.421	ng	97
91) Dibenzo(a,h)anthracene	26.441	278	101105	2.563	ng	98
92) Benzo(g,h,i)perylene	27.194	276	119377	2.923	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

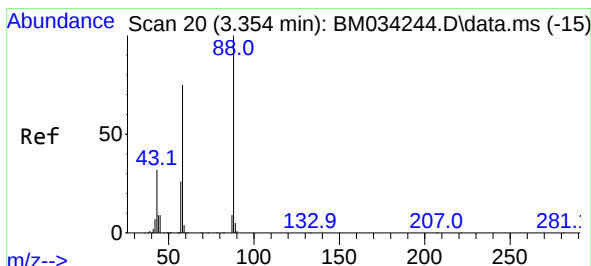
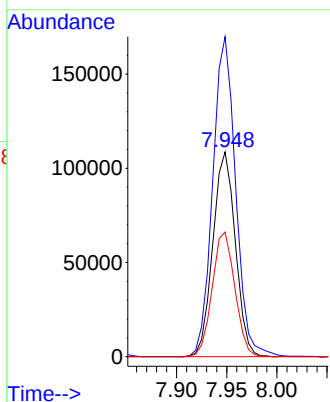
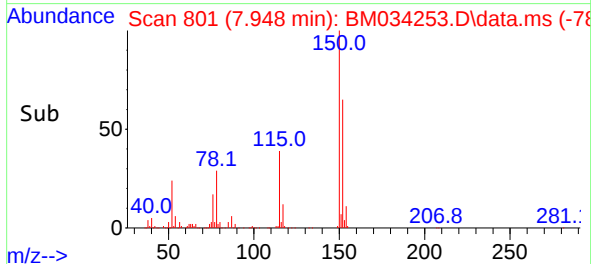
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BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



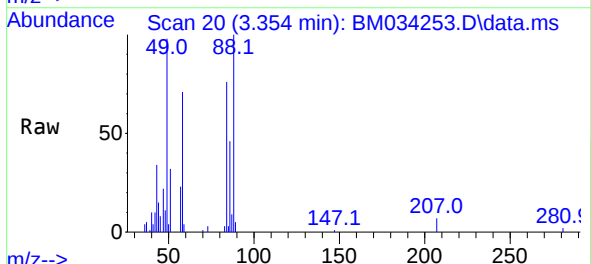
Tgt Ion:152 Resp: 169538
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 60.8 50.1 75.1

Manual Integrations
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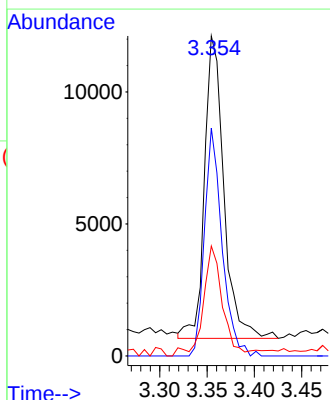
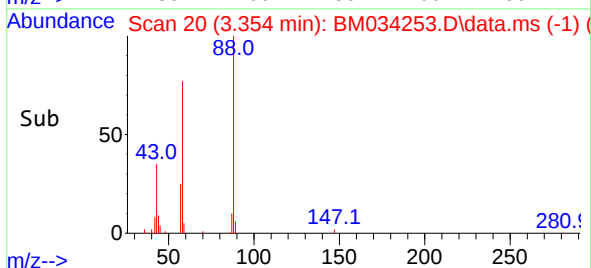
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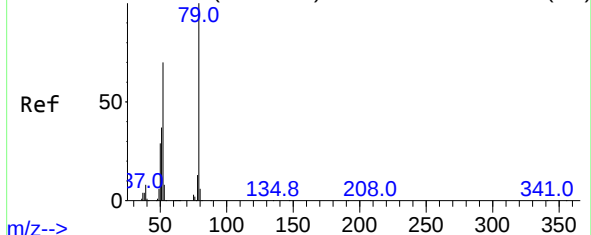
#2
1,4-Dioxane
Concen: 3.810 ng
RT: 3.354 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion: 88 Resp: 16289
Ion Ratio Lower Upper
88 100
58 68.2 60.4 90.6
43 36.1 25.4 38.0



Abundance Scan 90 (3.766 min): BM034244.D\data.ms (-83)



#3

Pyridine

Concen: 3.013 ng

RT: 3.772 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

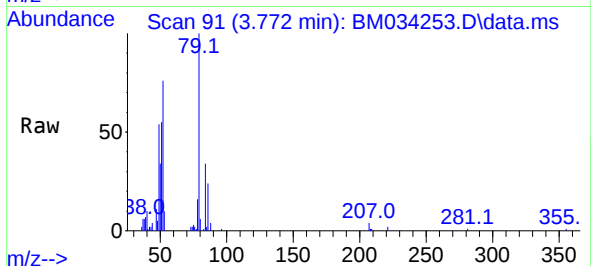
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

m/z-->



Tgt Ion: 79 Resp: 3486

Ion Ratio Lower Upper

79 100

52 75.9 56.1 84.1

51 55.0 30.4 45.6

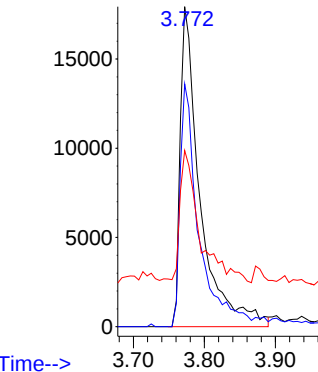
Manual Integrations

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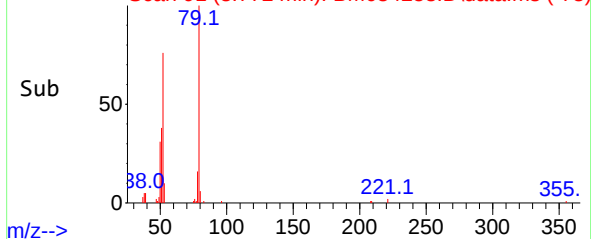
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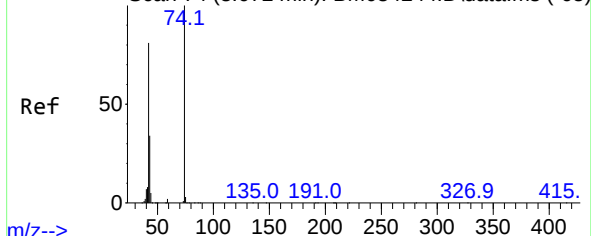
Abundance



Abundance Scan 91 (3.772 min): BM034253.D\data.ms (-73)



Abundance Scan 74 (3.672 min): BM034244.D\data.ms (-65)



#4

n-Nitrosodimethylamine

Concen: 3.471 ng

RT: 3.672 min Scan# 74

Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Tgt Ion: 42 Resp: 19068

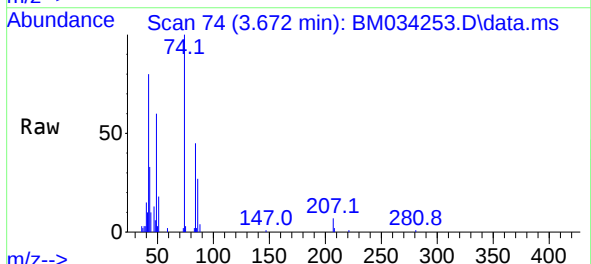
Ion Ratio Lower Upper

42 100

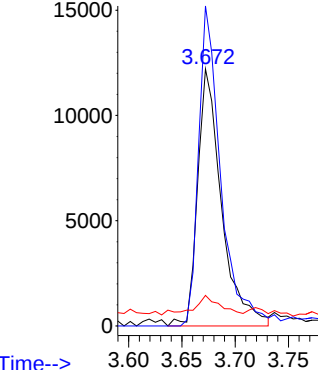
74 124.6 99.3 148.9

44 11.9 5.0 7.6

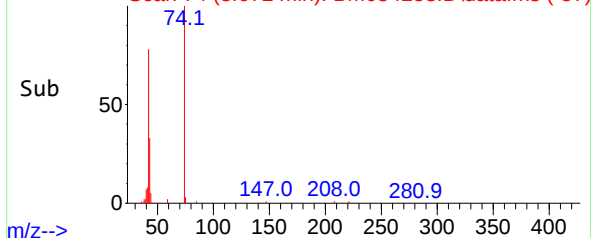
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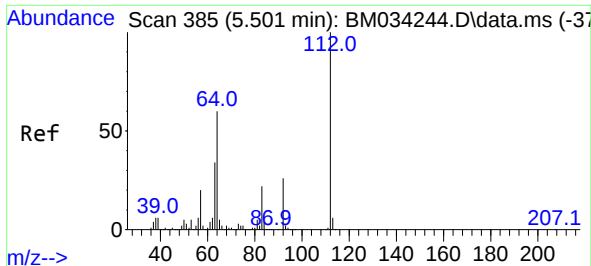
Abundance



Abundance Scan 74 (3.672 min): BM034253.D\data.ms (-57)

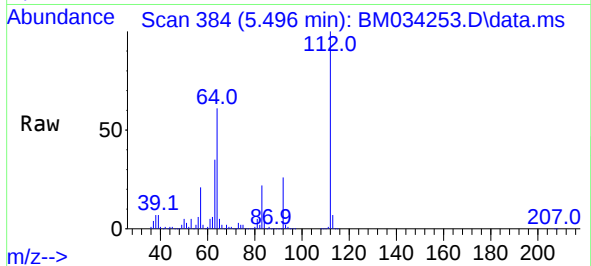


Time-->



#5
2-Fluorophenol
Concen: 145.507 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

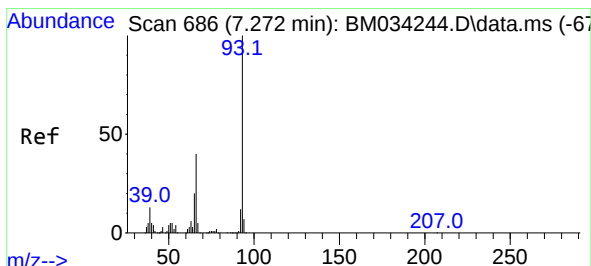
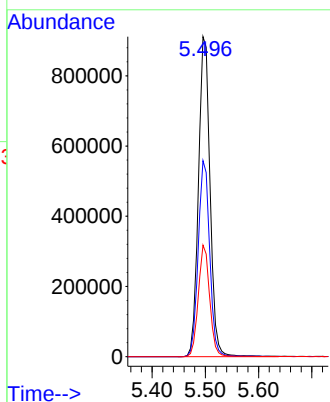
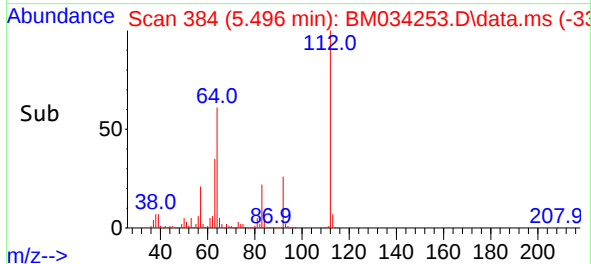
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:112 Resp: 1375100
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 34.8 27.1 40.7

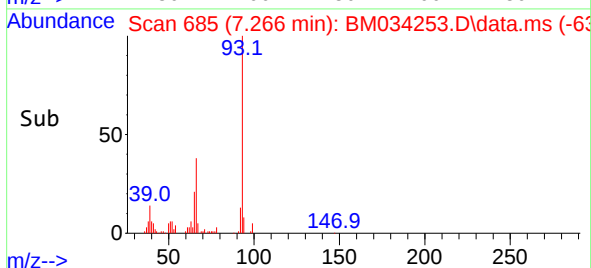
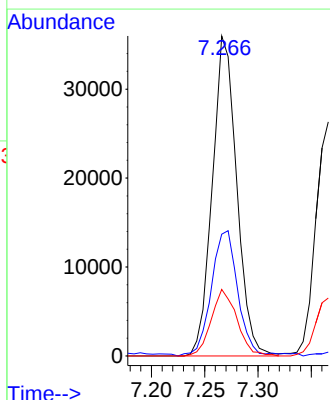
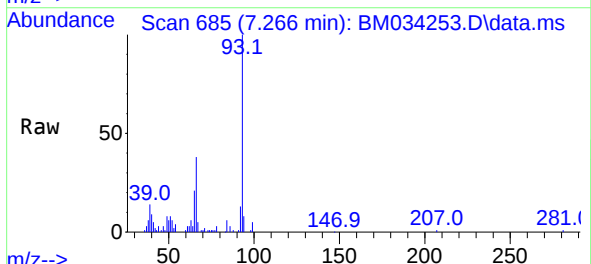
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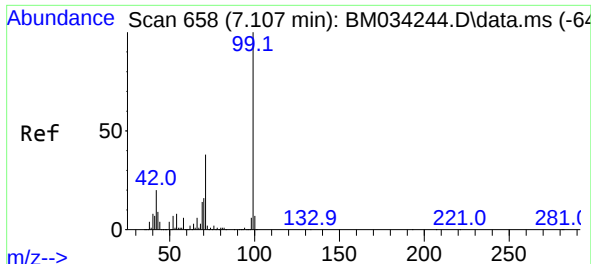
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#6
Aniline
Concen: 3.703 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

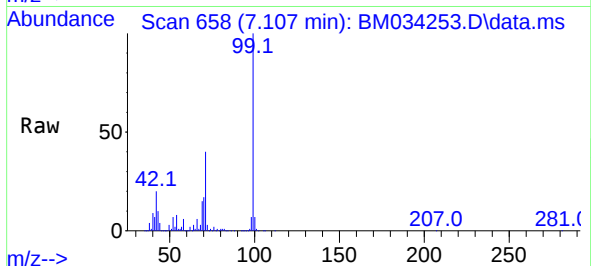
Tgt Ion: 93 Resp: 57263
Ion Ratio Lower Upper
93 100
66 38.0 31.9 47.9
65 20.8 16.2 24.4





#7
Phenol-d6
Concen: 141.524 ng
RT: 7.107 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

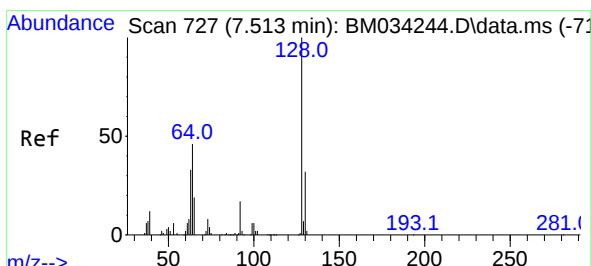
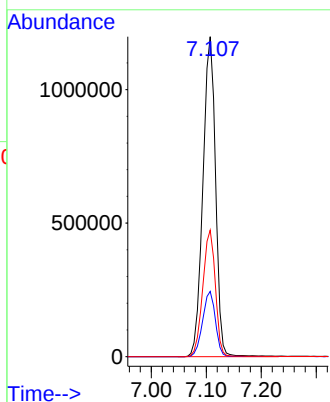
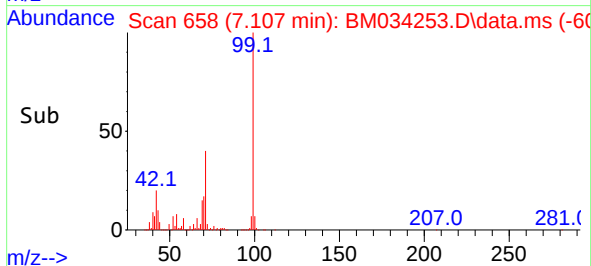
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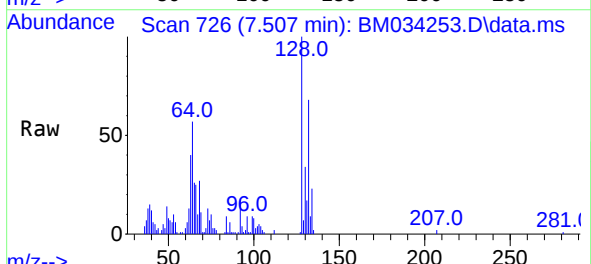
Tgt Ion: 99 Resp: 1914949
Ion Ratio Lower Upper
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42 20.4 15.6 23.4
71 39.6 30.6 46.0

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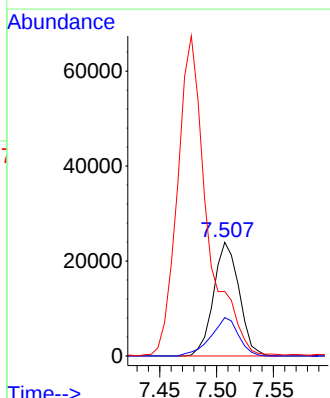
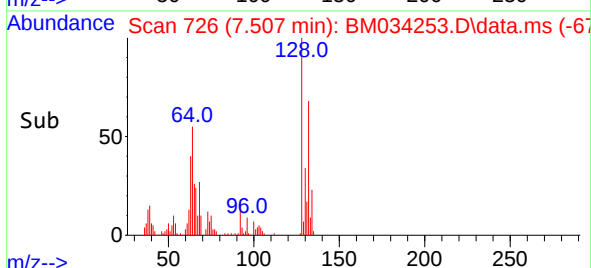
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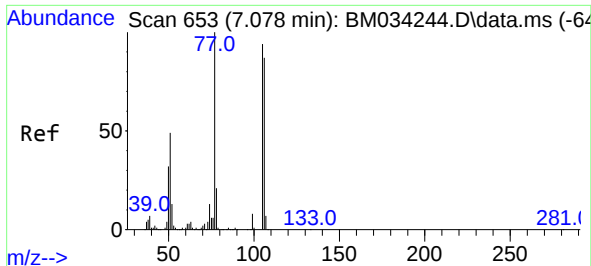


#8
2-Chlorophenol
Concen: 3.389 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



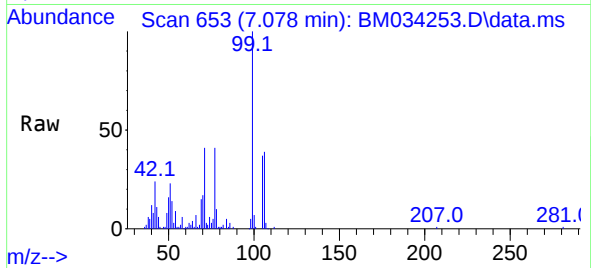
Tgt Ion:128 Resp: 37456
Ion Ratio Lower Upper
128 100
130 33.8 12.3 52.3
64 56.7 28.1 68.1





#9
Benzaldehyde
Concen: 5.310 ng m
RT: 7.078 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

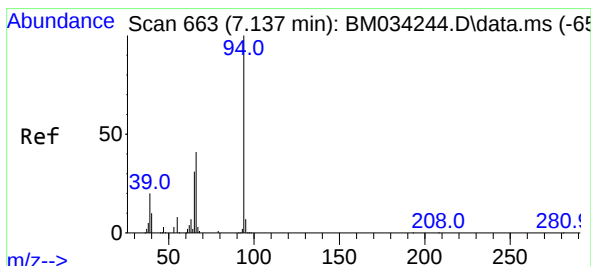
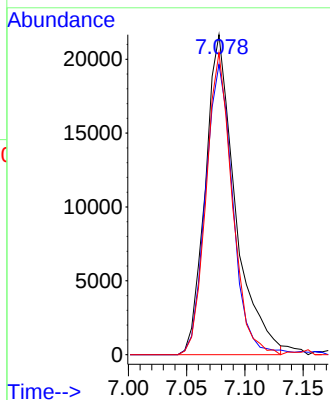
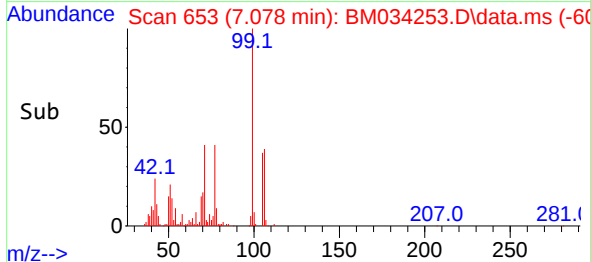
Instrument :
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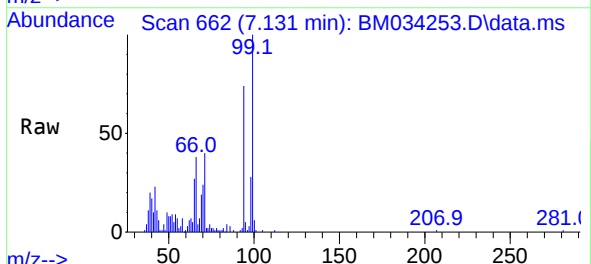
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Ion Ratio Lower Upper
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106 94.4 67.2 107.2

Manual Integrations
APPROVED

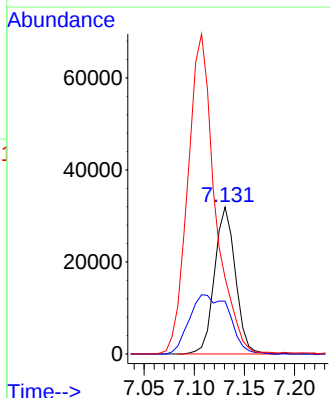
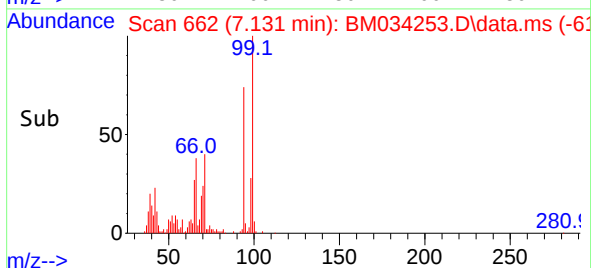
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

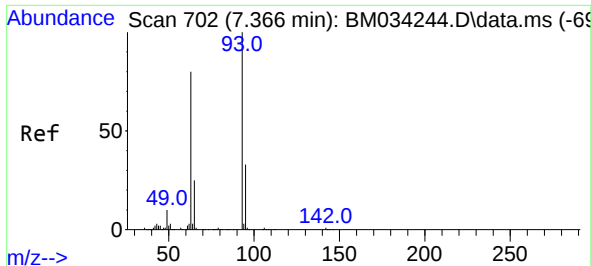


#10
Phenol
Concen: 3.429 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



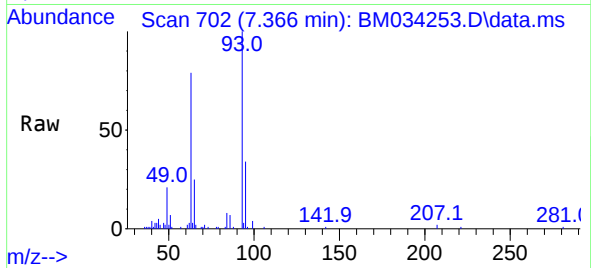
Tgt Ion: 94 Resp: 46145
Ion Ratio Lower Upper
94 100
65 36.0 10.9 50.9
66 51.8 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 3.638 ng
RT: 7.366 min Scan# 702
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

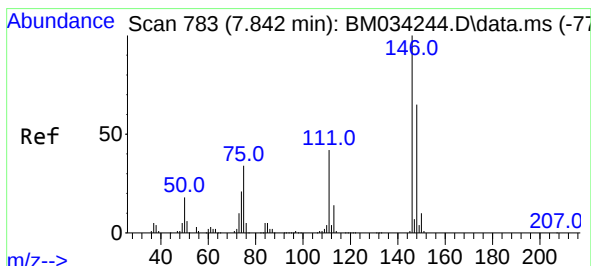
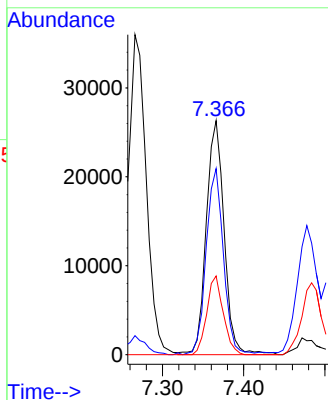
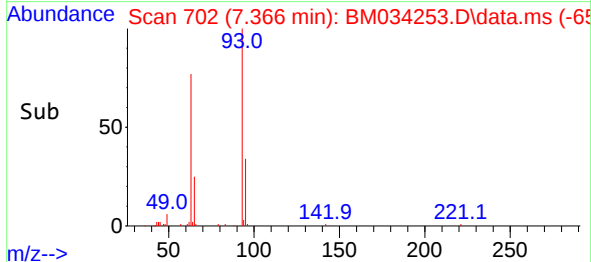
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



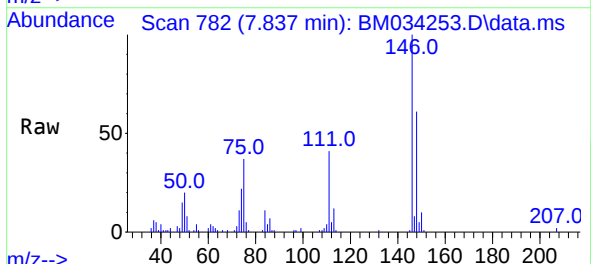
Tgt Ion: 93 Resp: 4018
Ion Ratio Lower Upper
93 100
63 79.5 59.6 99.6
95 33.6 12.6 52.6

Manual Integrations
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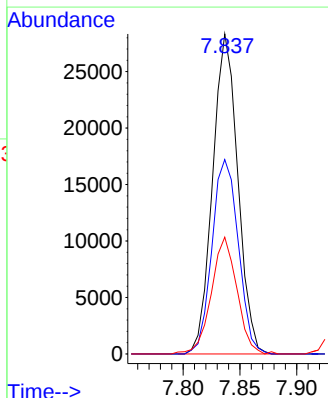
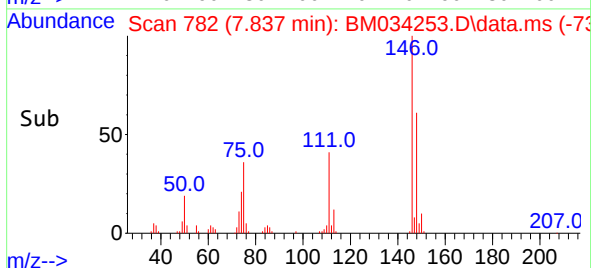
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

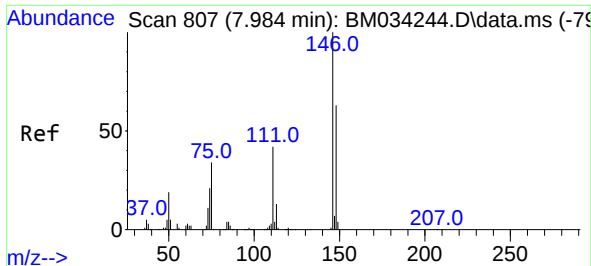


#12
1,3-Dichlorobenzene
Concen: 3.485 ng
RT: 7.837 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



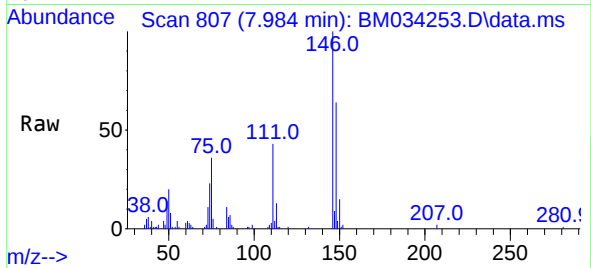
Tgt Ion:146 Resp: 43691
Ion Ratio Lower Upper
146 100
148 60.8 51.8 77.8
75 36.5 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 3.409 ng
RT: 7.984 min Scan# 807
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

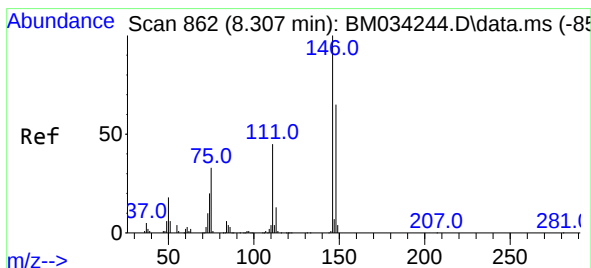
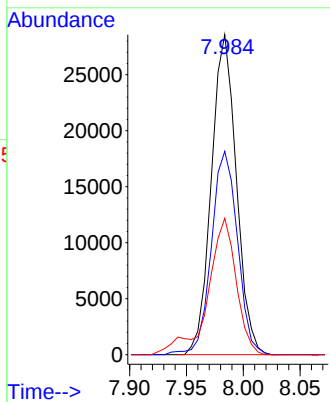
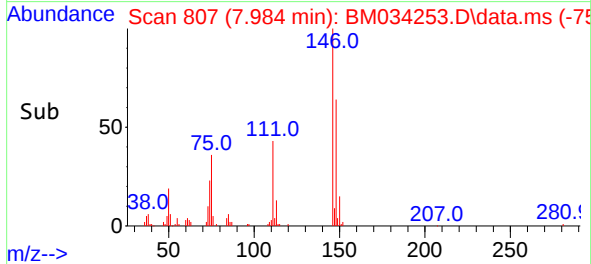
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



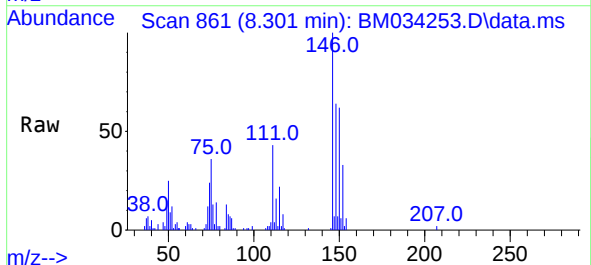
Tgt Ion:146 Resp: 4375
Ion Ratio Lower Upper
146 100
148 63.5 50.6 76.0
111 42.6 34.0 51.0

Manual Integrations
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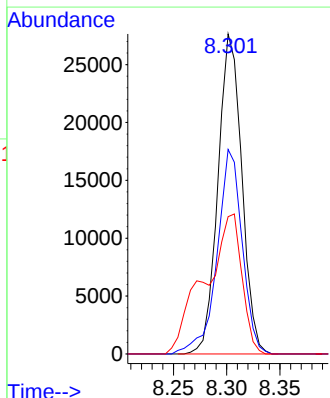
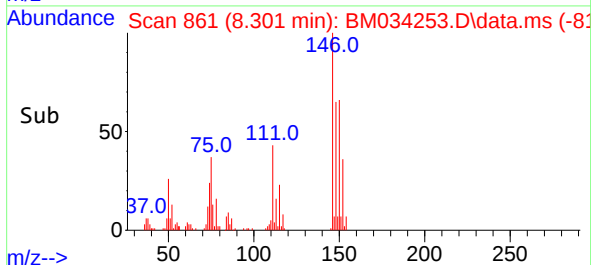
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

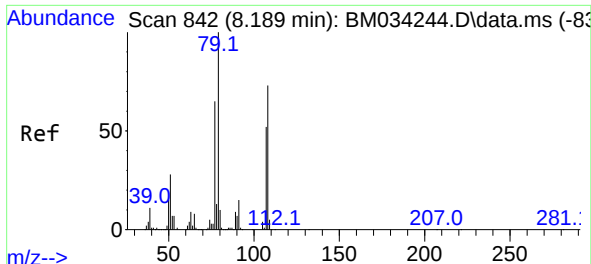


#14
1,2-Dichlorobenzene
Concen: 3.434 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



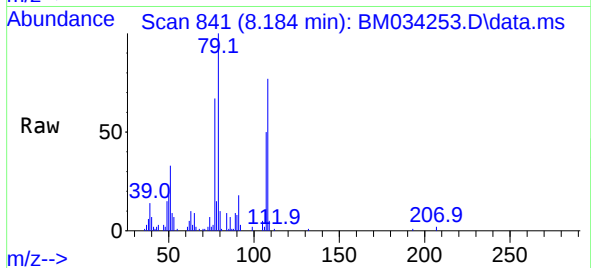
Tgt Ion:146 Resp: 42967
Ion Ratio Lower Upper
146 100
148 63.9 52.2 78.4
111 42.9 35.8 53.8





#15
Benzyl Alcohol
Concen: 3.096 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

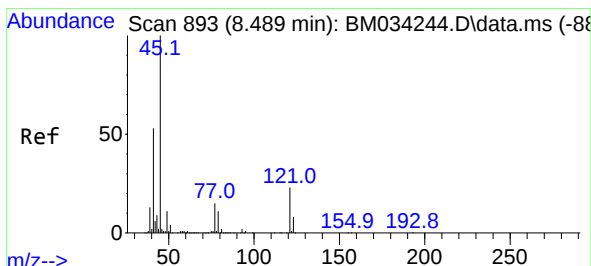
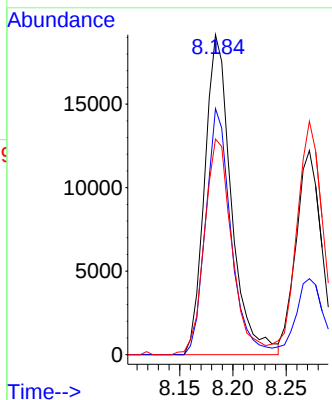
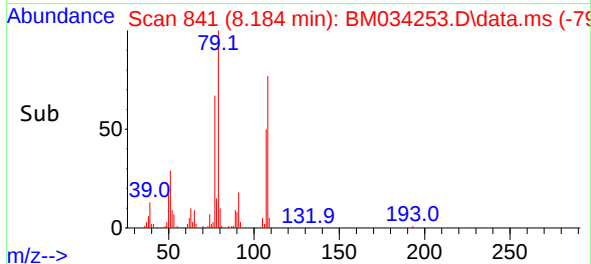
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



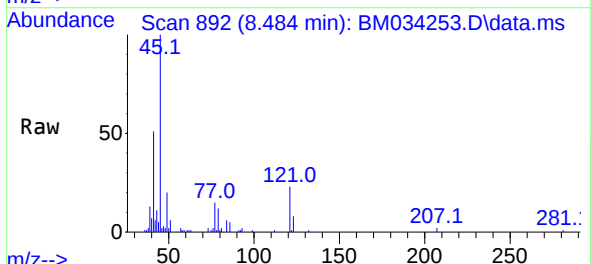
Tgt Ion: 79 Resp: 33330
Ion Ratio Lower Upper
79 100
108 76.9 58.1 87.1
77 67.4 51.8 77.6

Manual Integrations
APPROVED

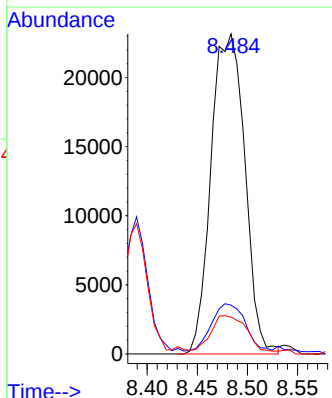
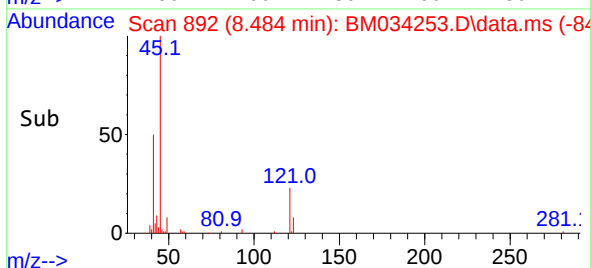
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

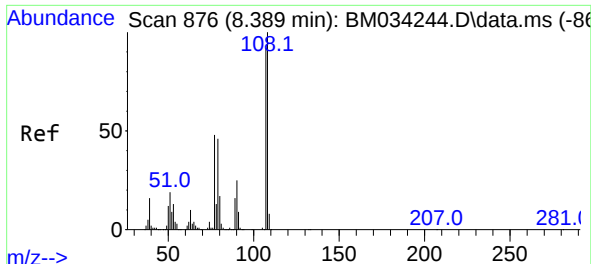


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.581 ng
RT: 8.484 min Scan# 892
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



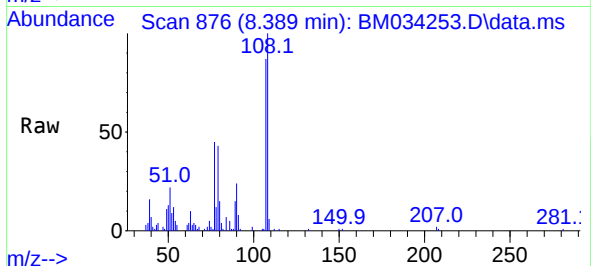
Tgt Ion: 45 Resp: 54281
Ion Ratio Lower Upper
45 100
77 15.2 0.0 35.7
79 11.6 0.0 31.7





#17
2-Methylphenol
Concen: 3.210 ng
RT: 8.389 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

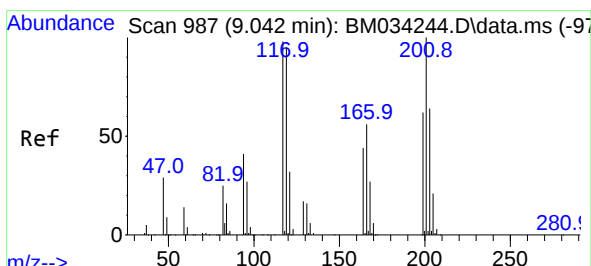
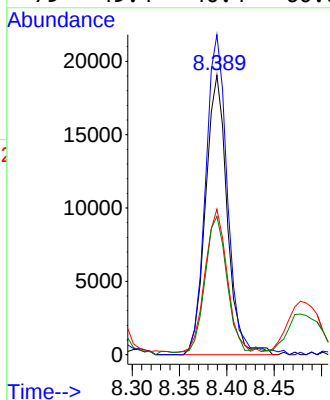
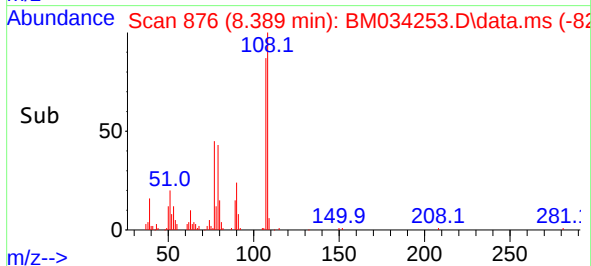
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:	107	Resp:	3025
Ion Ratio	Lower	Upper	
107	100		
108	114.5	87.3	130.9
77	52.0	41.6	62.4
79	49.4	40.4	60.6

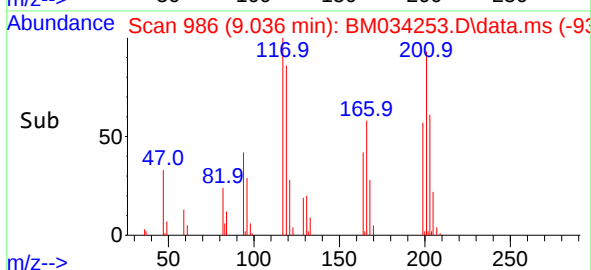
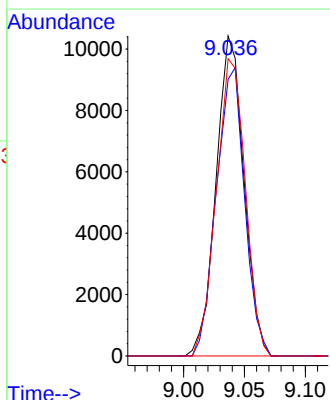
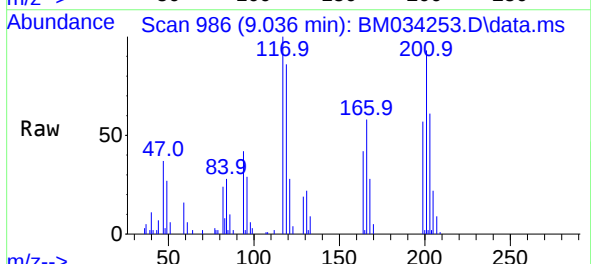
Manual Integrations
APPROVED

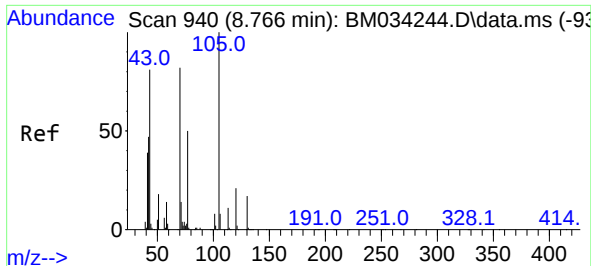
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#18
Hexachloroethane
Concen: 3.508 ng
RT: 9.036 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Tgt Ion:	117	Resp:	16608
Ion Ratio	Lower	Upper	
117	100		
119	86.4	77.4	116.0
201	92.9	81.6	122.4





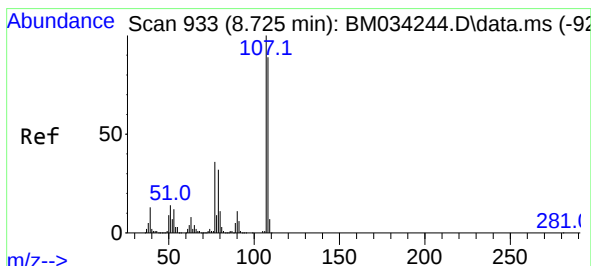
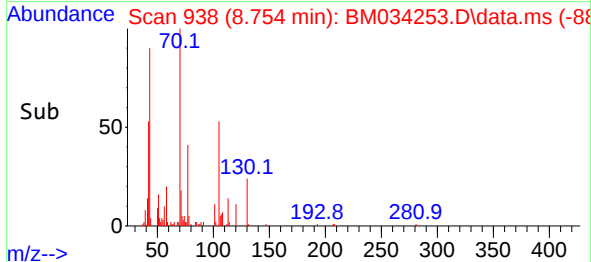
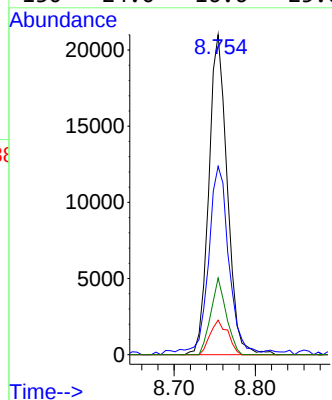
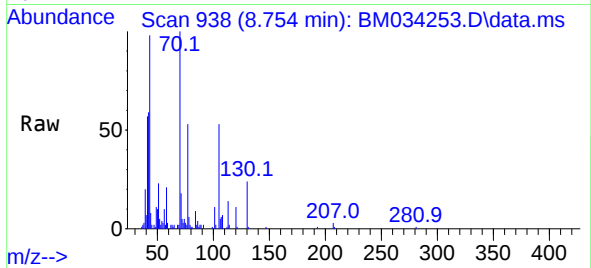
#19
n-Nitroso-di-n-propylamine
Concen: 3.385 ng
RT: 8.754 min Scan# 913
Delta R.T. -0.012 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 70 Resp: 3313
Ion Ratio Lower Upper
70 100
42 58.9 46.7 70.1
101 10.8 7.8 11.6
130 24.0 16.6 25.0

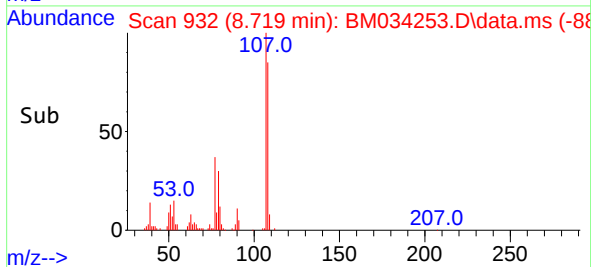
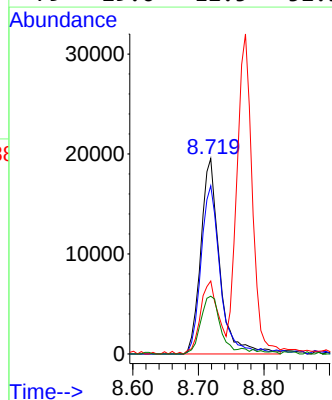
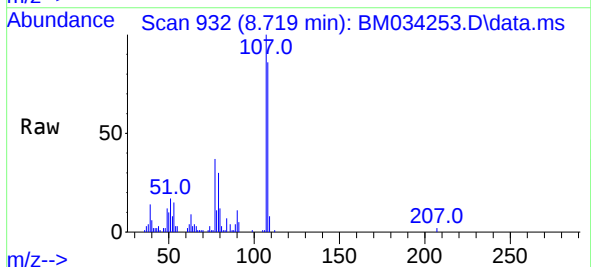
Manual Integrations
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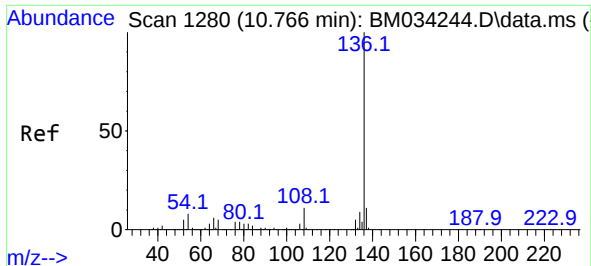
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#20
3+4-Methylphenols
Concen: 3.000 ng
RT: 8.719 min Scan# 932
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

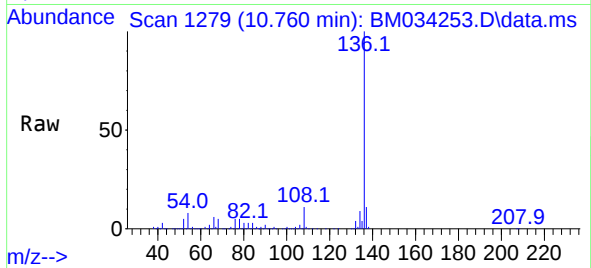
Tgt Ion:107 Resp: 39110
Ion Ratio Lower Upper
107 100
108 86.0 69.2 109.2
77 37.4 16.5 56.5
79 29.6 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

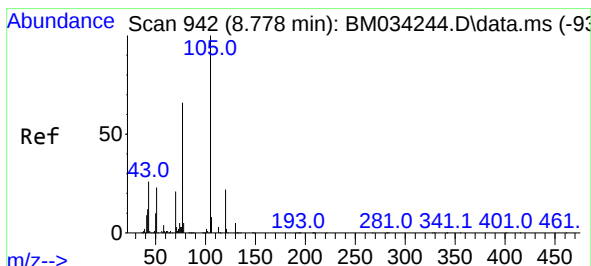
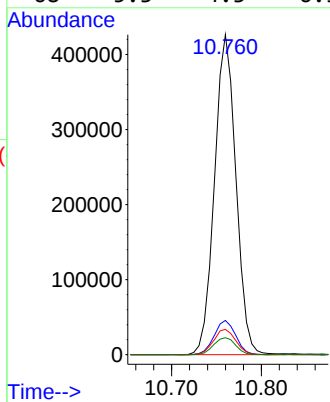
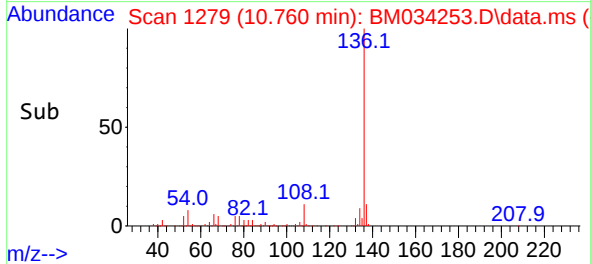
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:136 Resp: 70674
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.9 6.2 9.4
68 5.3 4.3 6.5

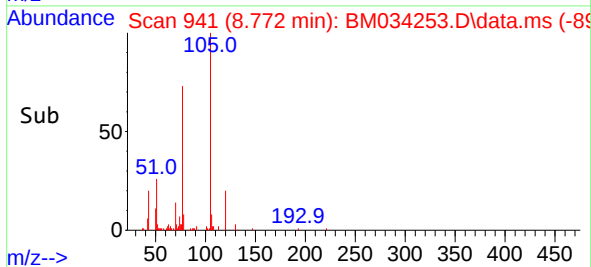
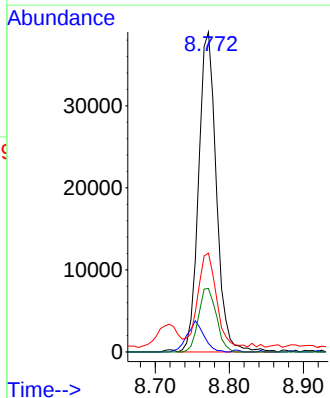
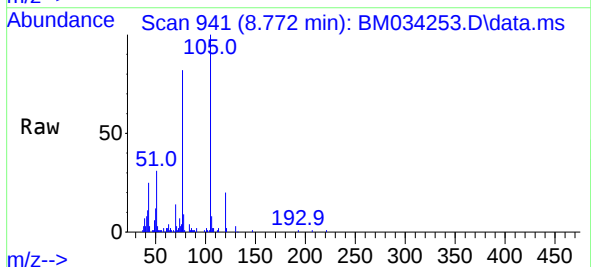
Manual Integrations
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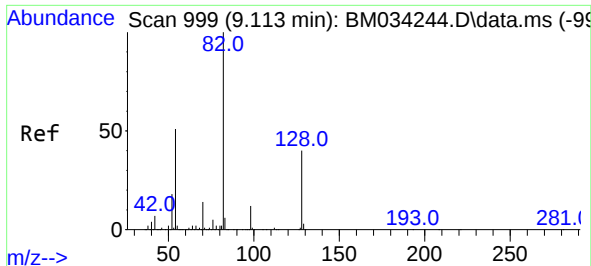
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 3.576 ng
RT: 8.772 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

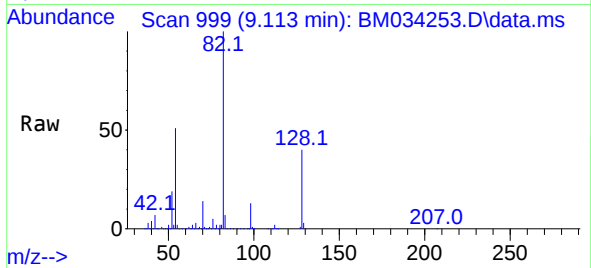
Tgt Ion:105 Resp: 64858
Ion Ratio Lower Upper
105 100
71 2.7 3.0 4.4#
51 30.9 22.6 33.8
120 19.9 17.5 26.3





#23
Nitrobenzene-d5
Concen: 77.656 ng
RT: 9.113 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

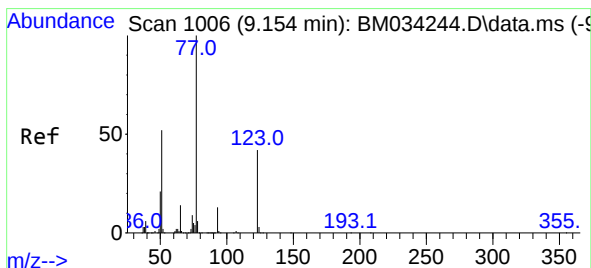
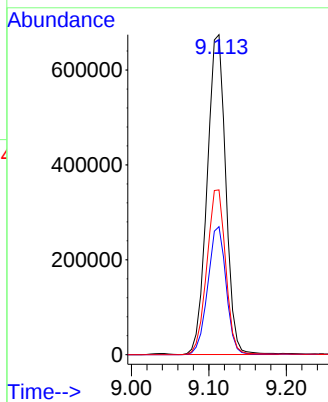
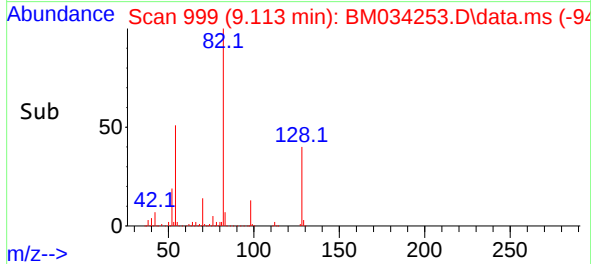
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



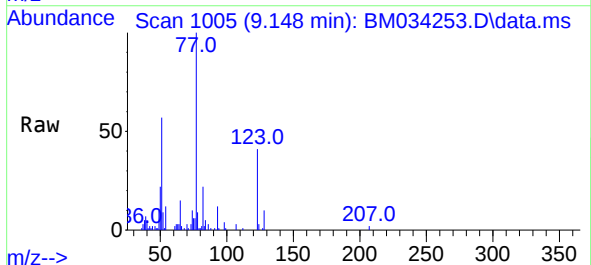
Tgt Ion: 82 Resp: 1127258
Ion Ratio Lower Upper
82 100
128 40.0 31.9 47.9
54 51.5 40.6 61.0

Manual Integrations
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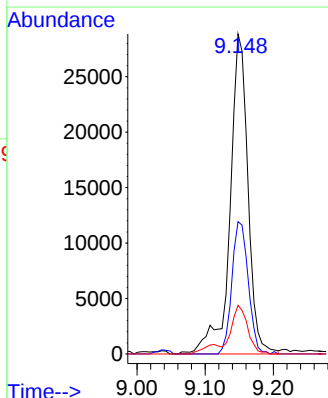
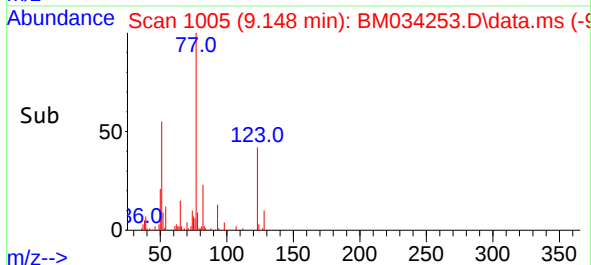
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

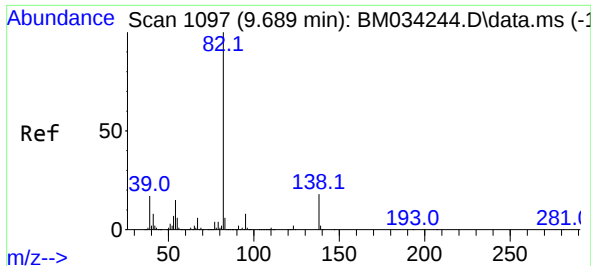


#24
Nitrobenzene
Concen: 3.910 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



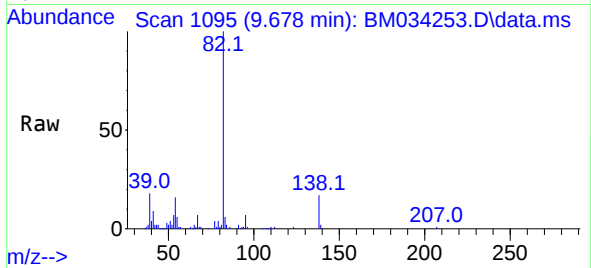
Tgt Ion: 77 Resp: 52989
Ion Ratio Lower Upper
77 100
123 41.3 33.3 49.9
65 15.2 11.0 16.4





#25
Isophorone
Concen: 3.669 ng
RT: 9.678 min Scan# 1097
Delta R.T. -0.012 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

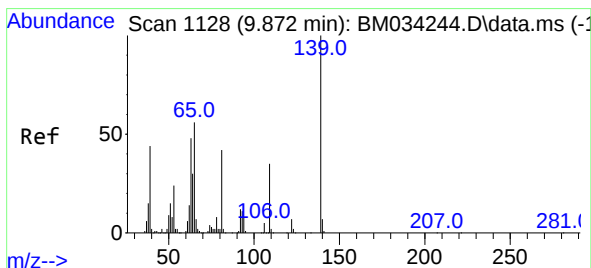
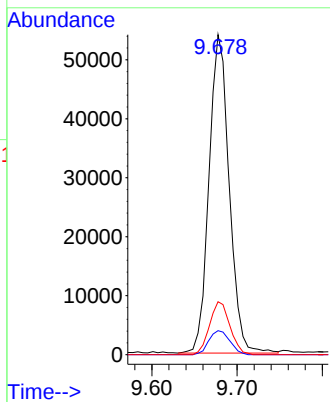
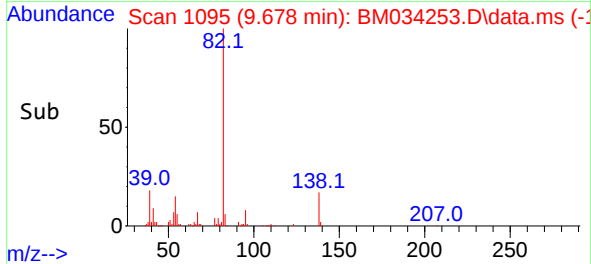
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



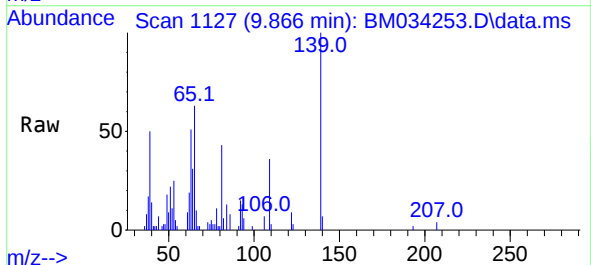
Tgt Ion: 82 Resp: 89128
Ion Ratio Lower Upper
82 100
95 7.5 6.6 9.8
138 16.5 14.4 21.6

Manual Integrations
APPROVED

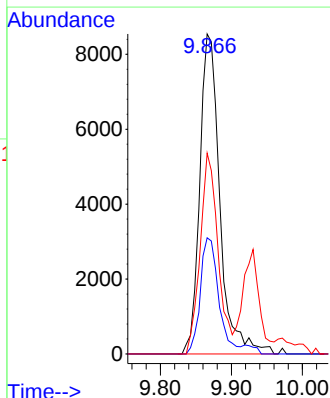
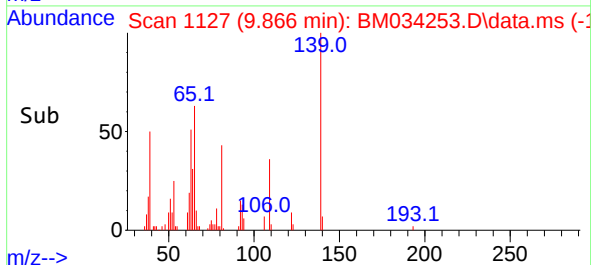
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

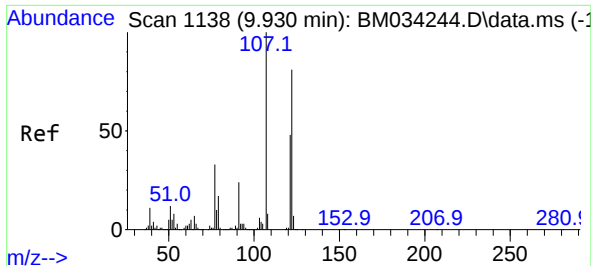


#26
2-Nitrophenol
Concen: 2.802 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:139 Resp: 16838
Ion Ratio Lower Upper
139 100
109 36.3 28.1 42.1
65 62.8 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 3.740 ng

RT: 9.931 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BM034253.D

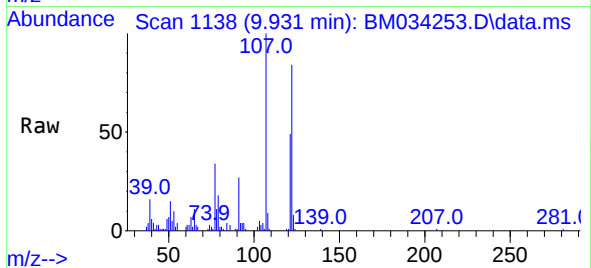
Acq: 16 Mar 2022 11:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022



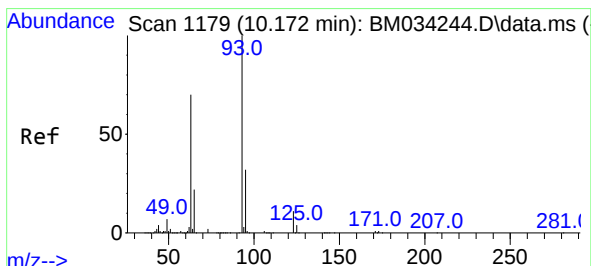
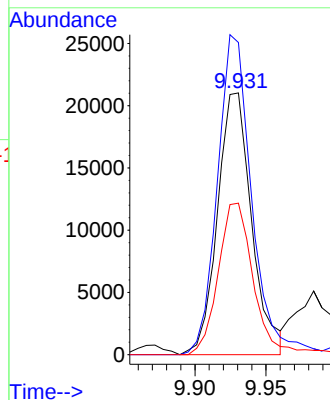
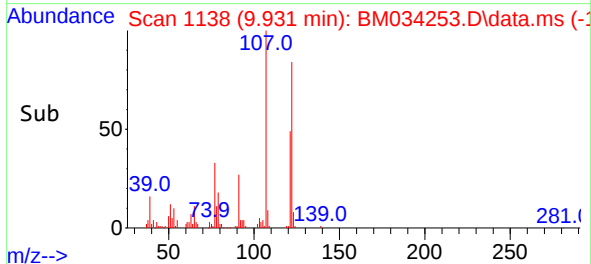
Tgt Ion:	122	Resp:	3519
Ion	Ratio	Lower	Upper
122	100		
107	119.3	99.0	148.6
121	57.9	47.7	71.5

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.307 ng

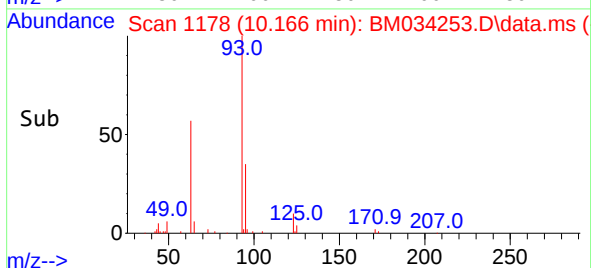
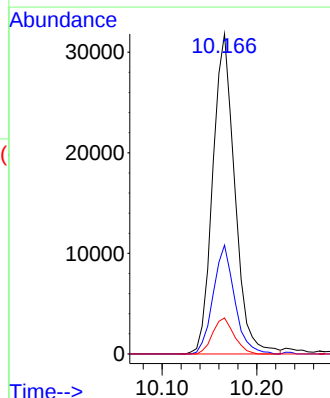
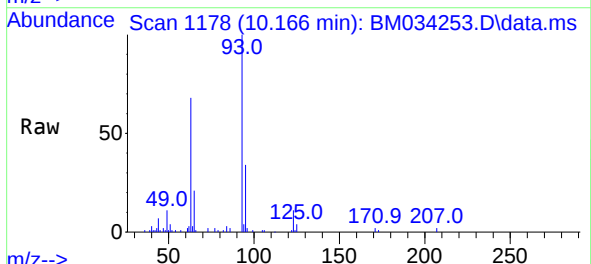
RT: 10.166 min Scan# 1178

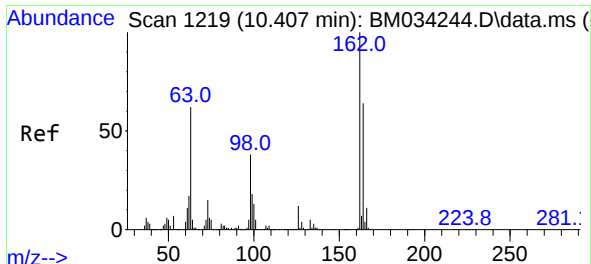
Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Tgt Ion:	93	Resp:	51433
Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.0	39.0
123	11.3	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 2.915 ng

RT: 10.407 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BM034253.D

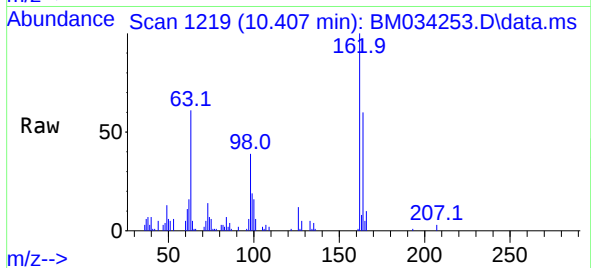
Acq: 16 Mar 2022 11:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022



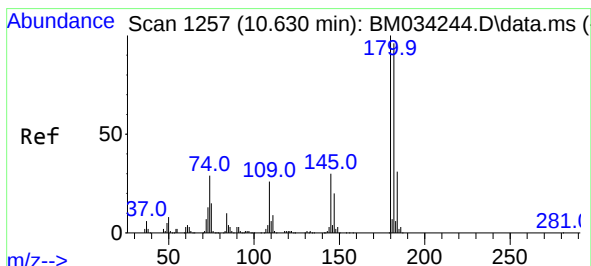
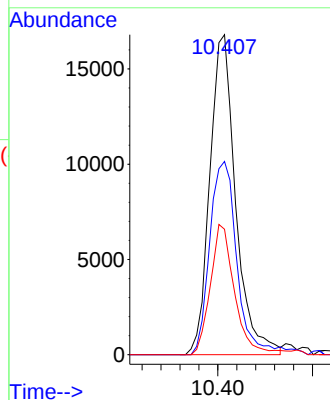
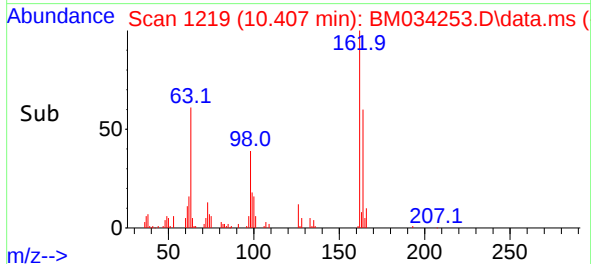
Tgt Ion:	162	Resp:	3187
Ion Ratio	Lower	Upper	
162	100		
164	60.4	43.9	83.9
98	39.2	17.6	57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.412 ng

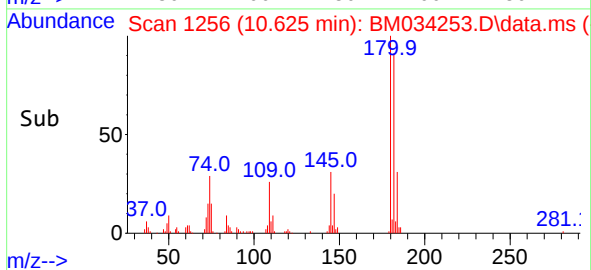
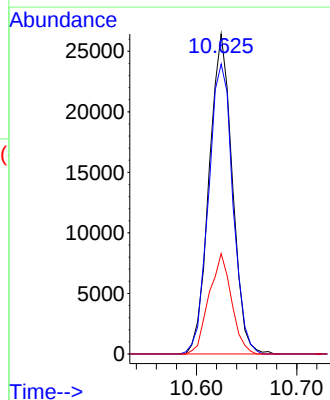
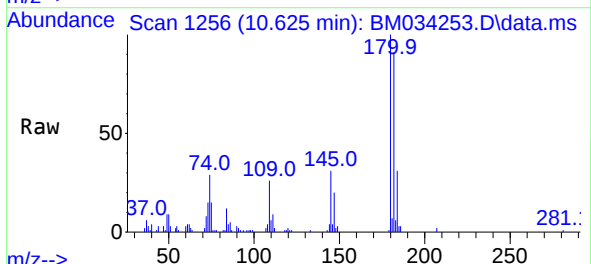
RT: 10.625 min Scan# 1256

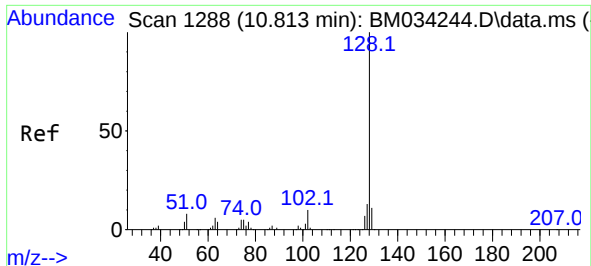
Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

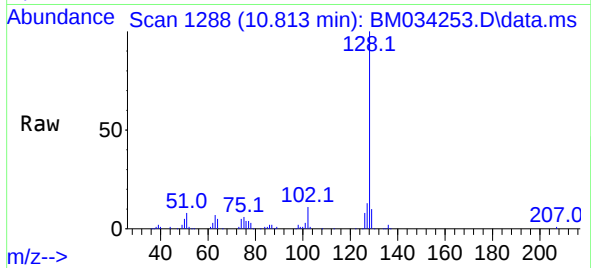
Tgt Ion:	180	Resp:	42403
Ion Ratio	Lower	Upper	
180	100		
182	90.6	77.0	115.4
145	31.3	23.7	35.5





#31
Naphthalene
Concen: 3.444 ng
RT: 10.813 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

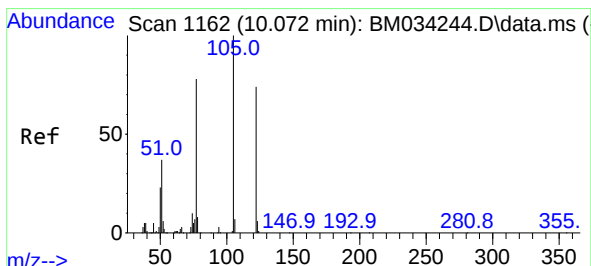
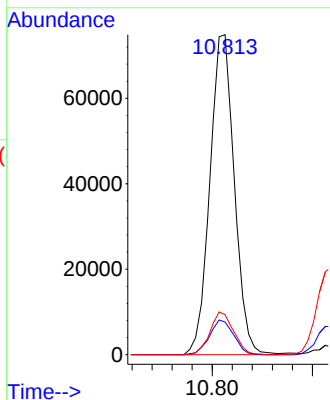
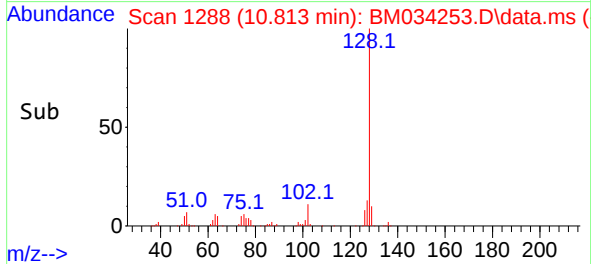
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:128 Resp: 12680
Ion Ratio Lower Upper
128 100
129 10.2 8.8 13.2
127 12.5 10.2 15.4

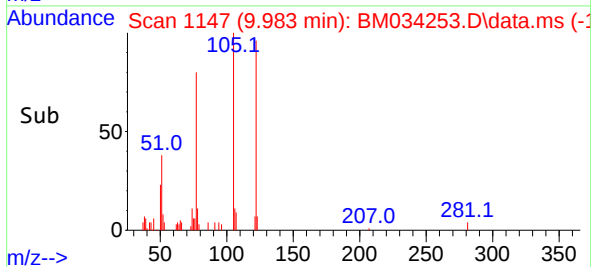
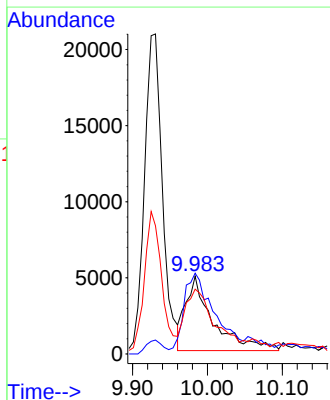
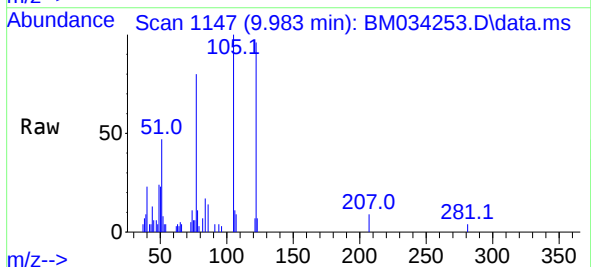
Manual Integrations
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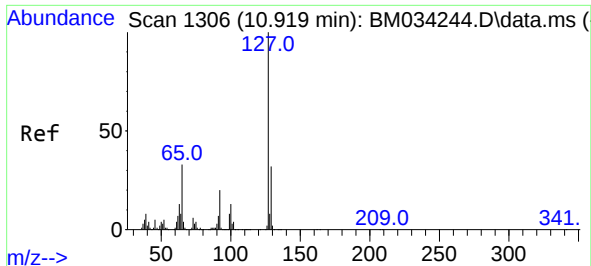
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 1.620 ng m
RT: 9.983 min Scan# 1147
Delta R.T. -0.089 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

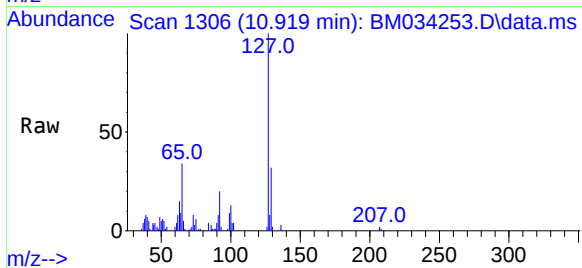
Tgt Ion:122 Resp: 12606
Ion Ratio Lower Upper
122 100
105 103.9 109.6 149.6#
77 83.3 83.1 123.1





#33
4-Chloroaniline
Concen: 3.066 ng
RT: 10.919 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

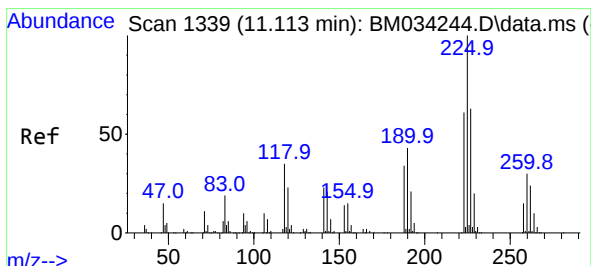
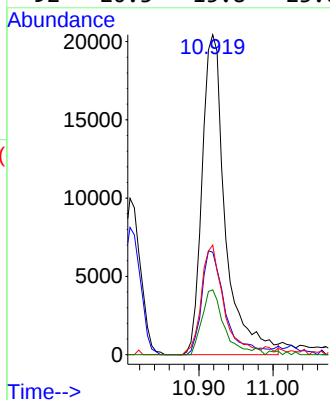
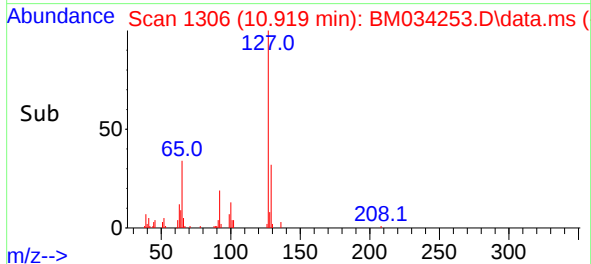
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



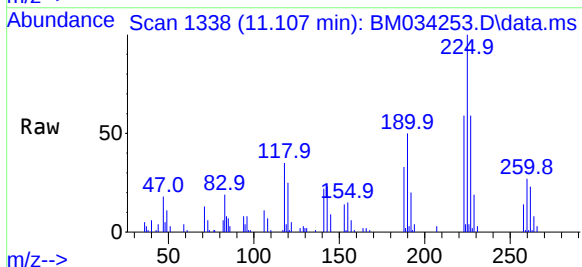
Tgt Ion:	127	Resp:	4453
Ion Ratio	Lower	Upper	
127	100		
129	32.1	25.4	38.2
65	34.3	26.2	39.2
92	20.3	15.8	23.6

Manual Integrations
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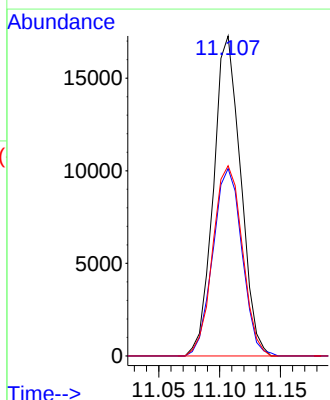
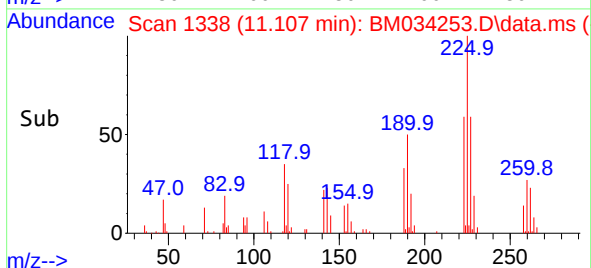
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

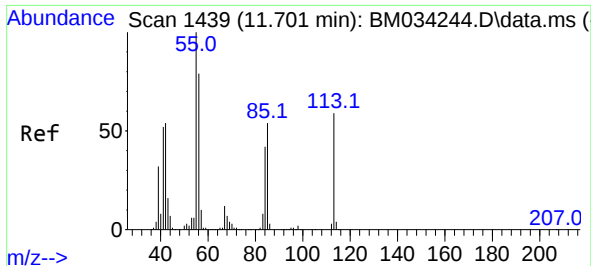


#34
Hexachlorobutadiene
Concen: 3.409 ng
RT: 11.107 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



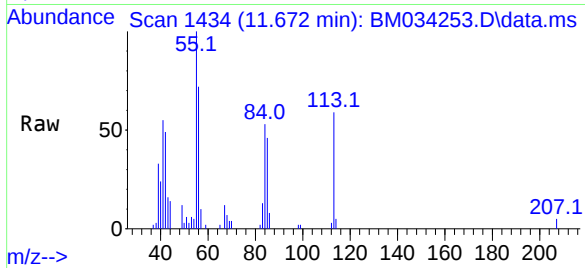
Tgt Ion:	225	Resp:	26841
Ion Ratio	Lower	Upper	
225	100		
223	58.5	49.0	73.4
227	59.5	50.2	75.2





#35
Caprolactam
Concen: 2.625 ng m
RT: 11.672 min Scan# 1439
Delta R.T. -0.029 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

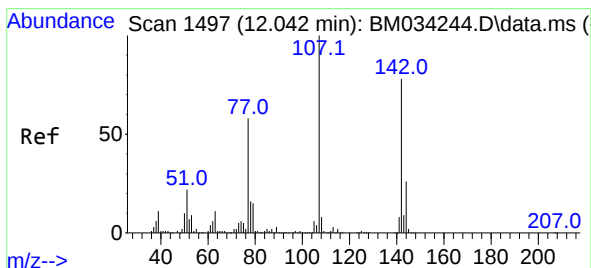
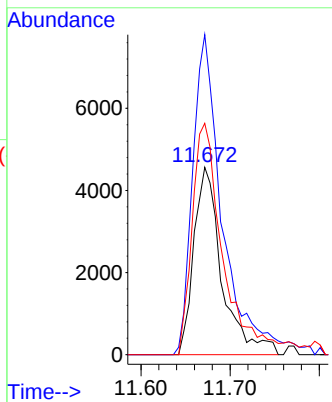
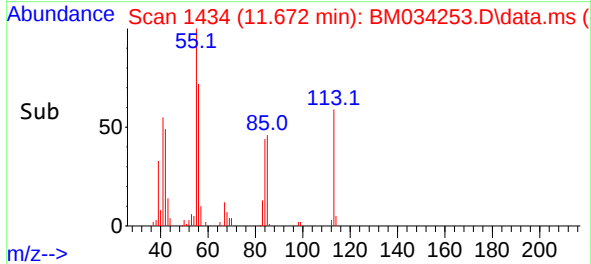
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



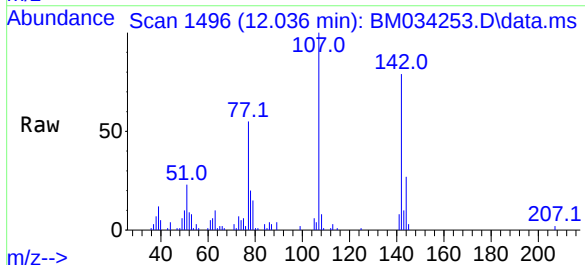
Tgt Ion:113 Resp: 9979
Ion Ratio Lower Upper
113 100
55 170.8 148.9 188.9
56 123.5 113.3 153.3

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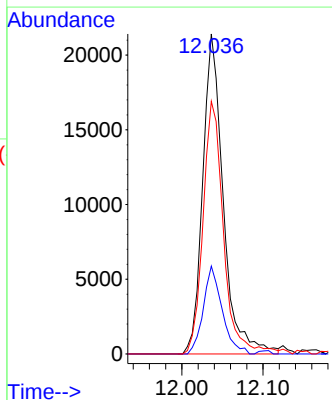
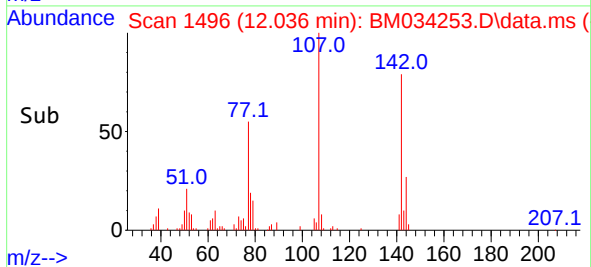
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

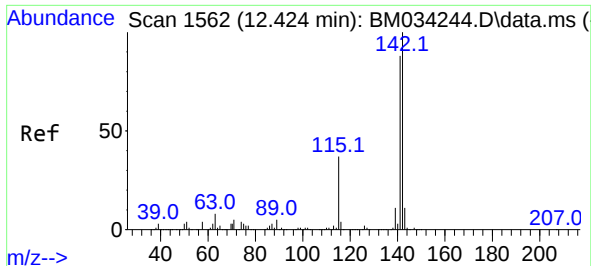


#36
4-Chloro-3-methylphenol
Concen: 2.999 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:107 Resp: 37580
Ion Ratio Lower Upper
107 100
144 27.4 20.8 31.2
142 79.0 62.7 94.1





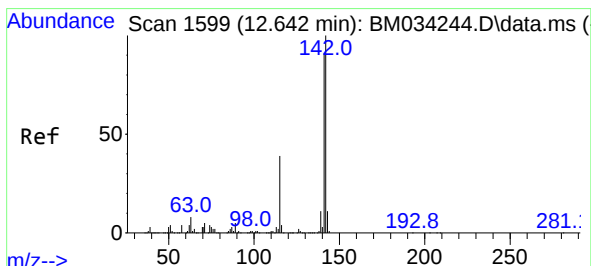
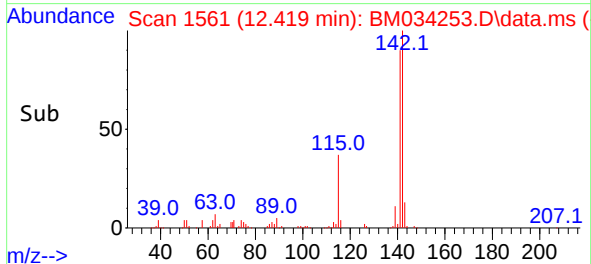
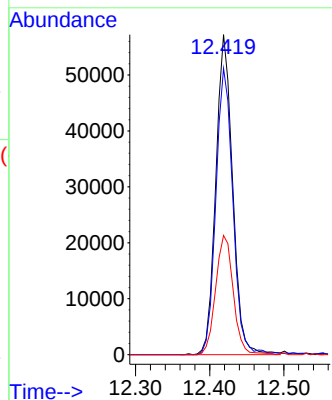
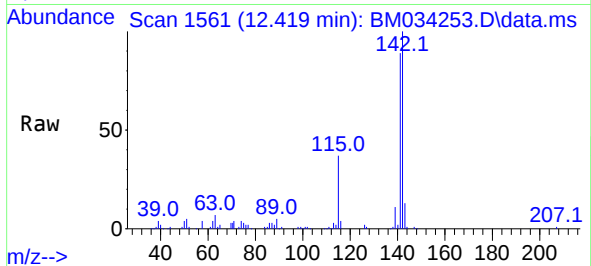
#37
2-Methylnaphthalene
Concen: 3.439 ng
RT: 12.419 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:142 Resp: 90358
Ion Ratio Lower Upper
142 100
141 89.4 70.1 105.1
115 37.2 29.9 44.9

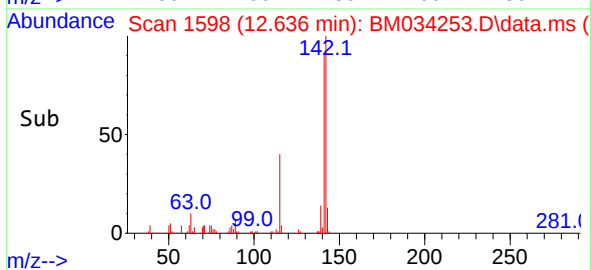
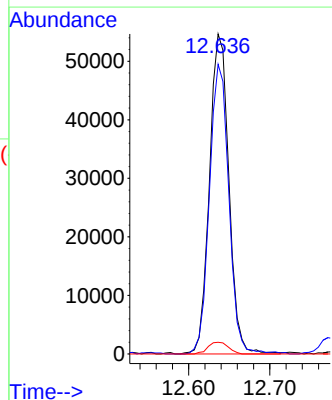
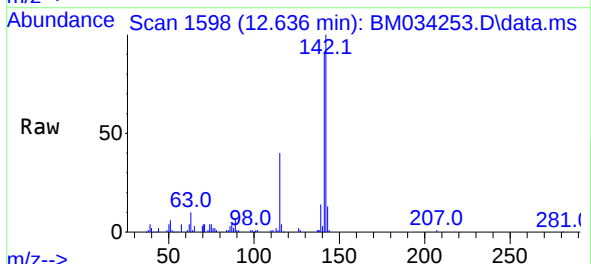
Manual Integrations
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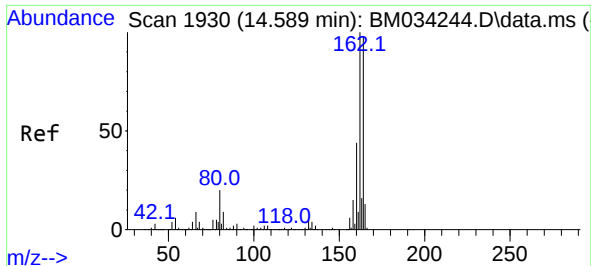
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#38
1-Methylnaphthalene
Concen: 3.520 ng
RT: 12.636 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

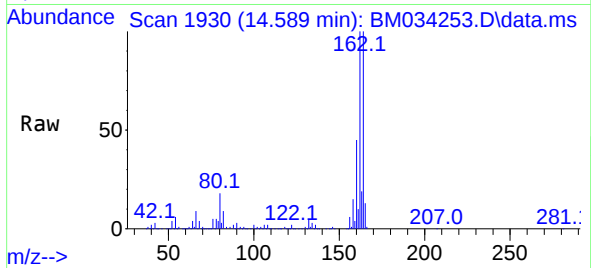
Tgt Ion:142 Resp: 90453
Ion Ratio Lower Upper
142 100
141 90.5 73.0 109.6
116 3.7 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

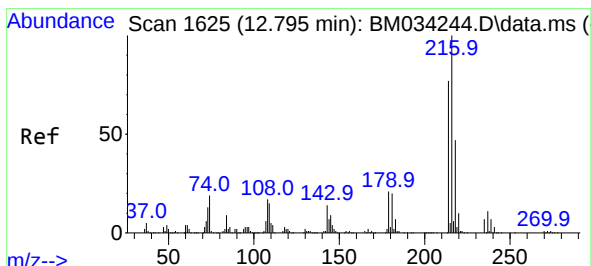
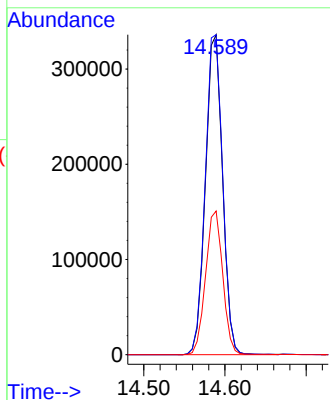
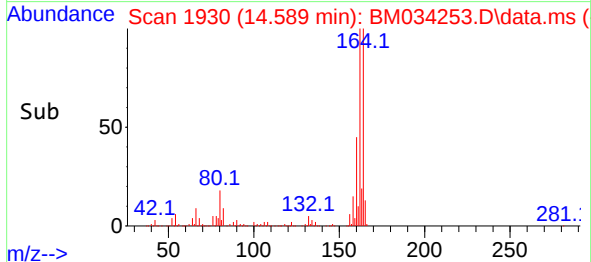
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



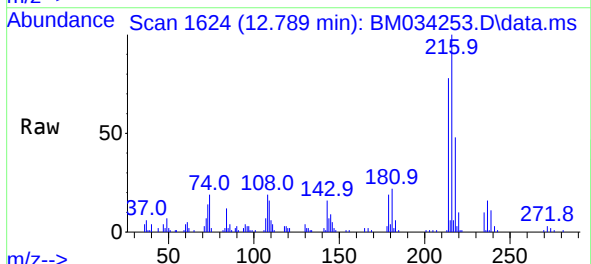
Tgt Ion:164 Resp: 48910
Ion Ratio Lower Upper
164 100
162 100.1 81.6 122.4
160 44.9 35.6 53.4

Manual Integrations
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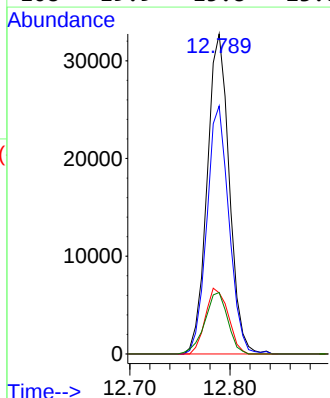
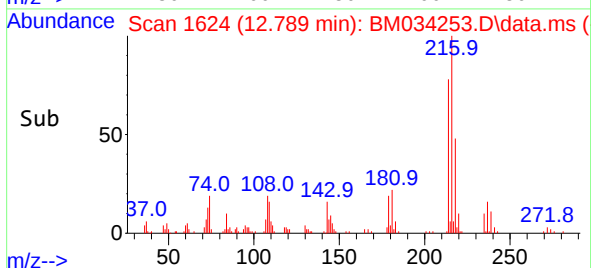
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

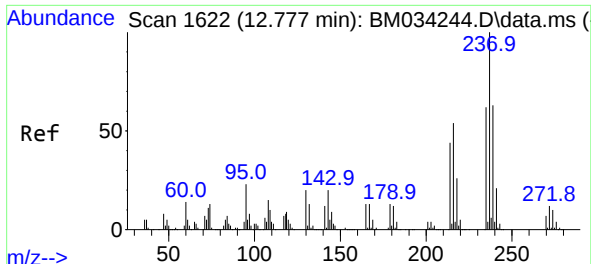


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.409 ng
RT: 12.789 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



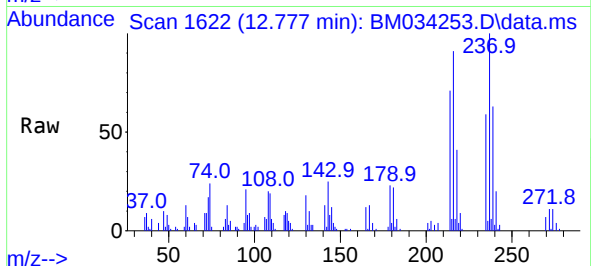
Tgt Ion:216 Resp: 50314
Ion Ratio Lower Upper
216 100
214 77.4 62.7 94.1
179 21.1 17.2 25.8
108 19.9 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 3.603 ng
RT: 12.777 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

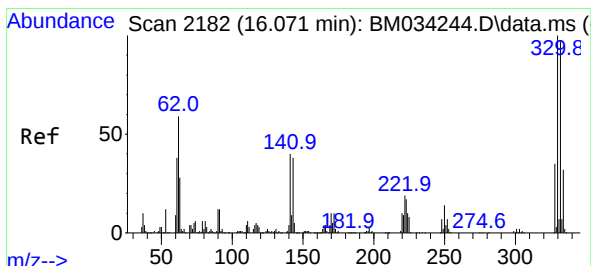
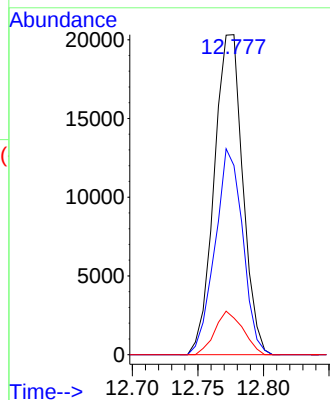
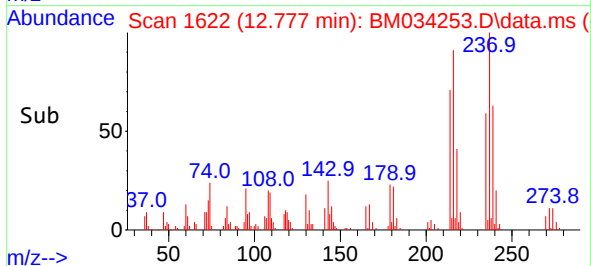
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



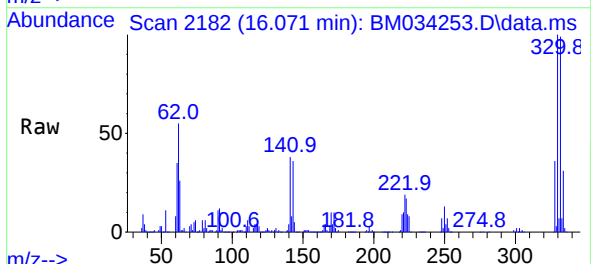
Tgt Ion:237 Resp: 30790
Ion Ratio Lower Upper
237 100
235 59.1 42.1 82.1
272 11.5 0.0 32.3

Manual Integrations
APPROVED

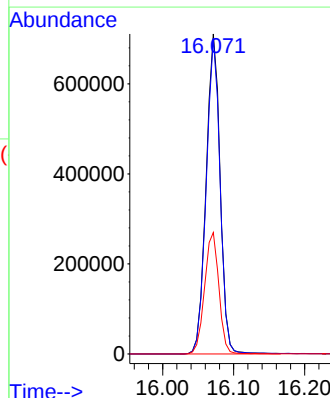
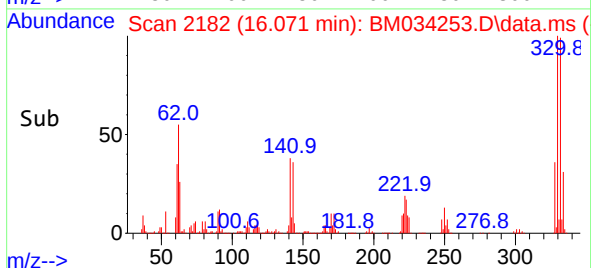
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

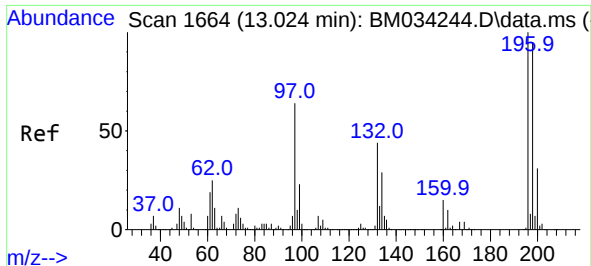


#42
2,4,6-Tribromophenol
Concen: 148.378 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



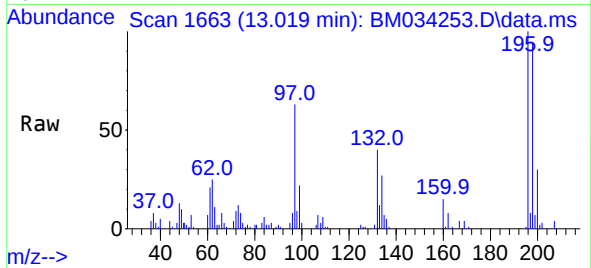
Tgt Ion:330 Resp: 978176
Ion Ratio Lower Upper
330 100
332 97.3 78.2 117.4
141 38.8 30.6 45.8





#43
2,4,6-Trichlorophenol
Concen: 2.787 ng
RT: 13.019 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

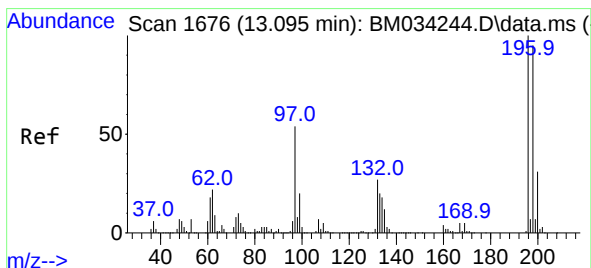
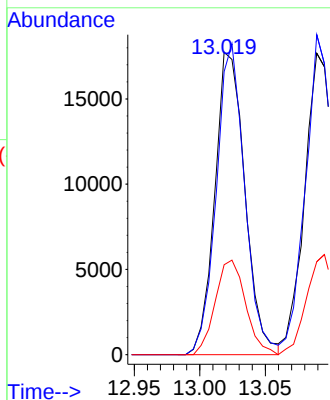
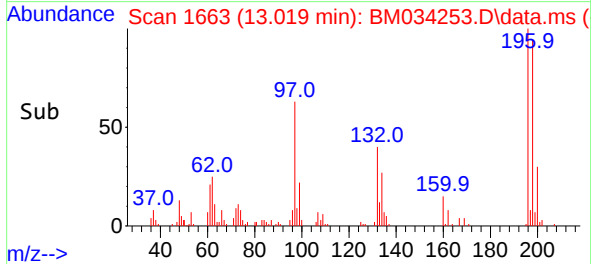
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



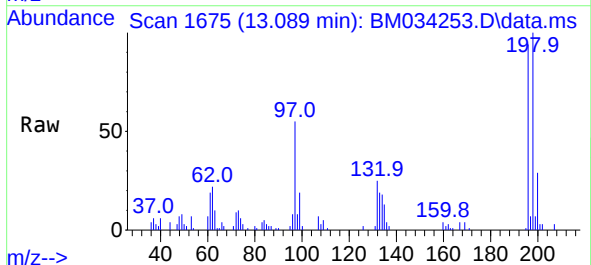
Tgt Ion:196 Resp: 2839
Ion Ratio Lower Upper
196 100
198 93.6 76.1 114.1
200 29.7 24.9 37.3

Manual Integrations
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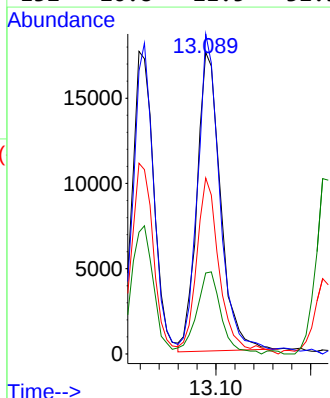
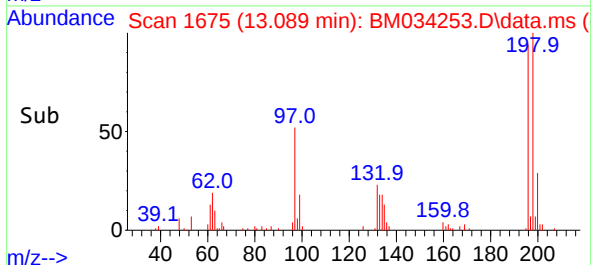
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

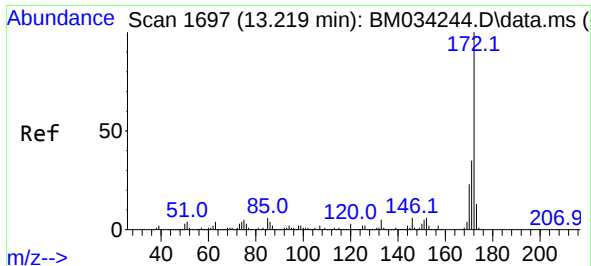


#44
2,4,5-Trichlorophenol
Concen: 2.764 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



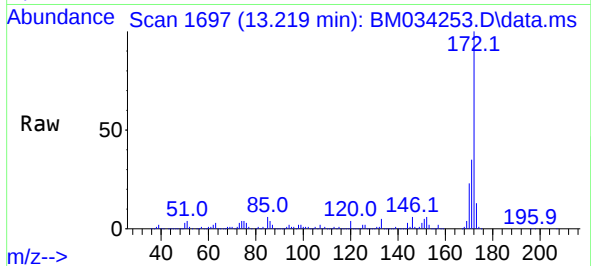
Tgt Ion:196 Resp: 30232
Ion Ratio Lower Upper
196 100
198 106.2 75.9 113.9
97 58.4 43.2 64.8
132 26.8 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 77.654 ng
RT: 13.219 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

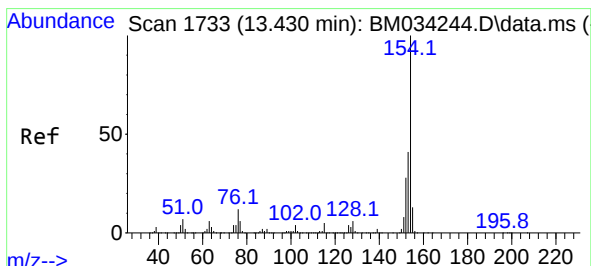
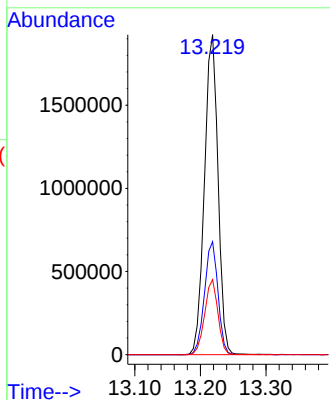
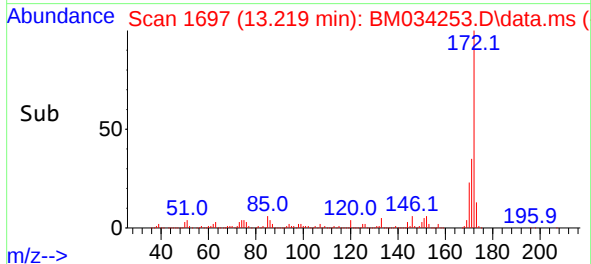
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



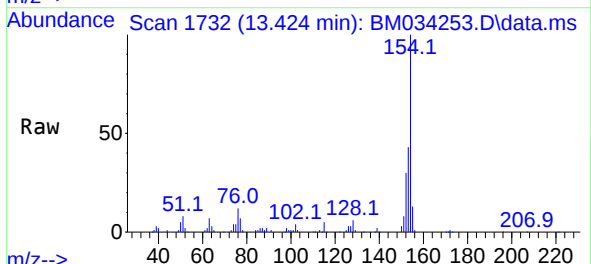
Tgt Ion:172 Resp: 277944
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.5 18.6 28.0

Manual Integrations
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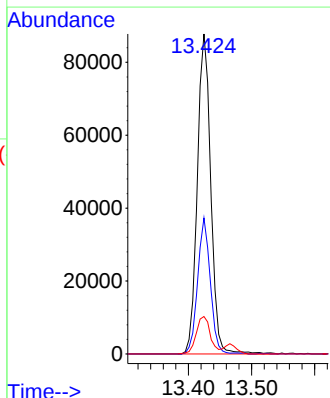
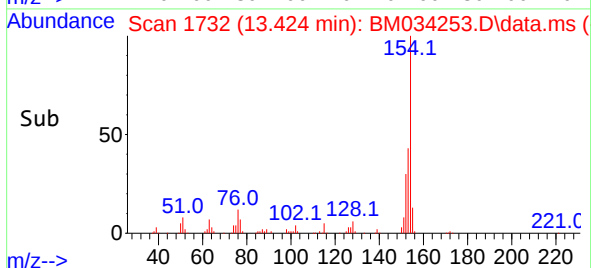
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

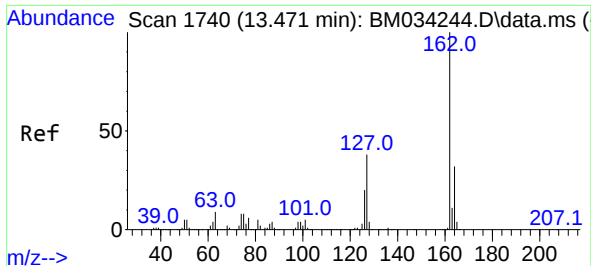


#46
1,1'-Biphenyl
Concen: 3.480 ng
RT: 13.424 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:154 Resp: 129792
Ion Ratio Lower Upper
154 100
153 42.5 21.0 61.0
76 11.7 0.0 32.1





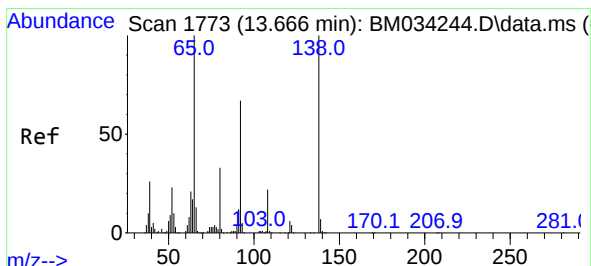
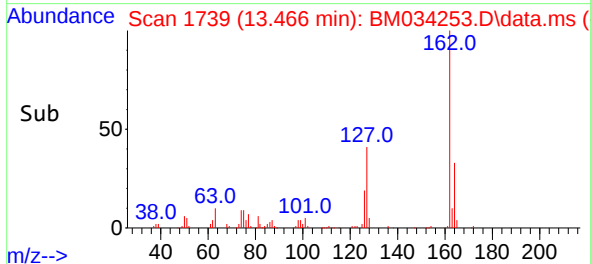
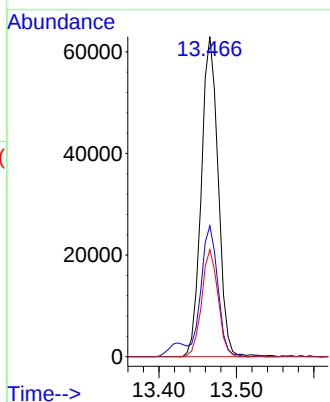
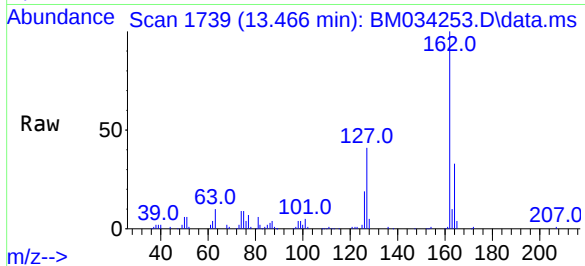
#47
2-Chloronaphthalene
Concen: 3.331 ng
RT: 13.466 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:162 Resp: 95339
Ion Ratio Lower Upper
162 100
127 40.9 30.4 45.6
164 33.5 25.8 38.8

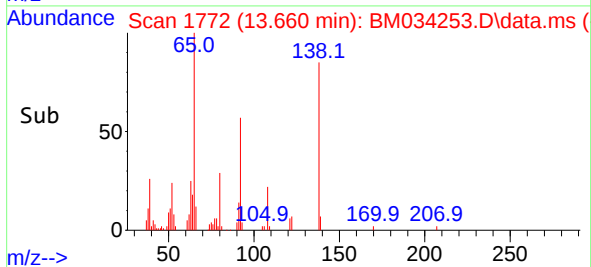
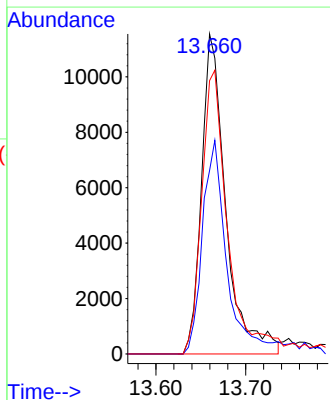
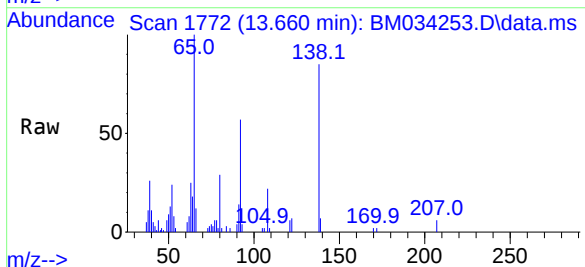
Manual Integrations
APPROVED

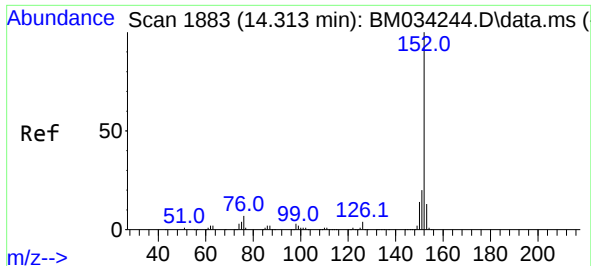
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#48
2-Nitroaniline
Concen: 2.479 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

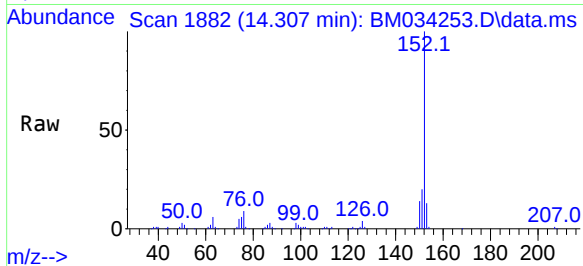
Tgt Ion: 65 Resp: 21691
Ion Ratio Lower Upper
65 100
92 57.3 53.8 80.8
138 85.4 79.9 119.9





#49
Acenaphthylene
Concen: 3.471 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

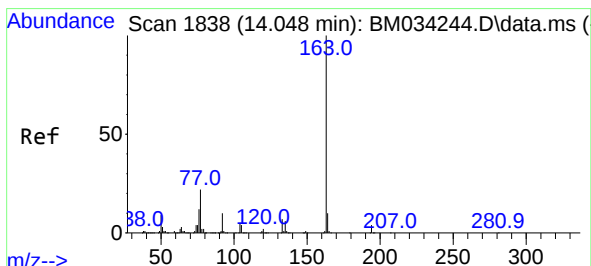
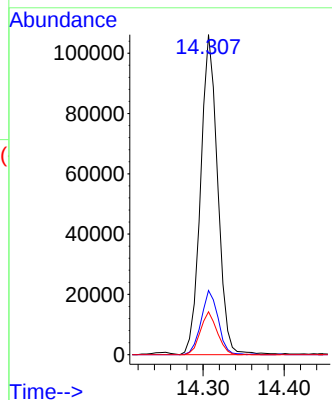
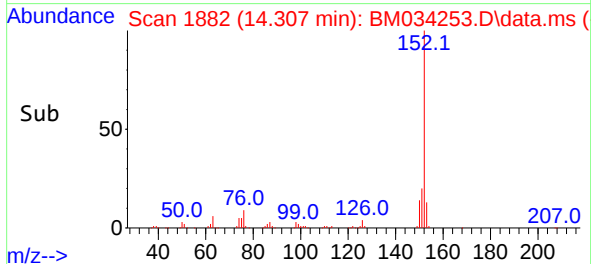
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



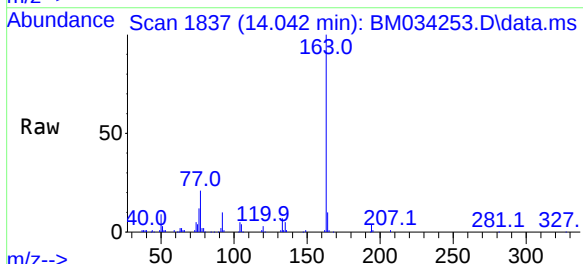
Tgt Ion:152 Resp: 154875
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.4 10.6 16.0

Manual Integrations
APPROVED

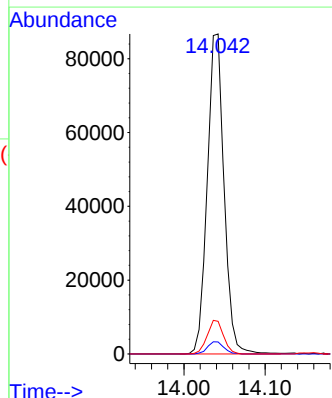
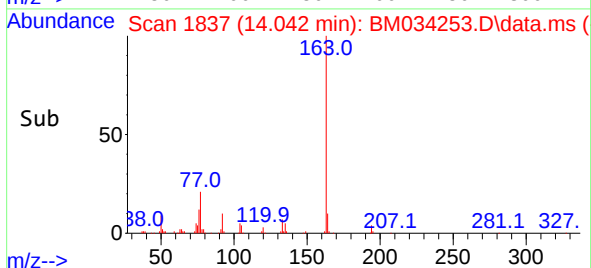
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

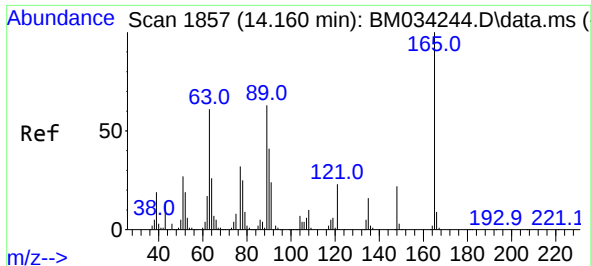


#50
Dimethylphthalate
Concen: 3.346 ng
RT: 14.042 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:163 Resp: 124550
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.2 8.1 12.1





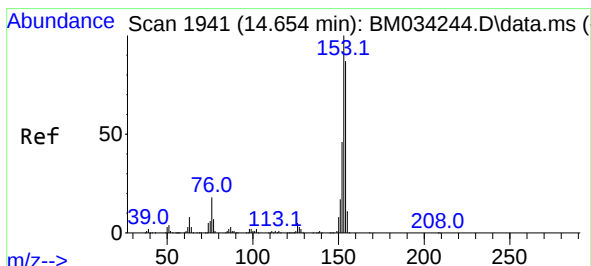
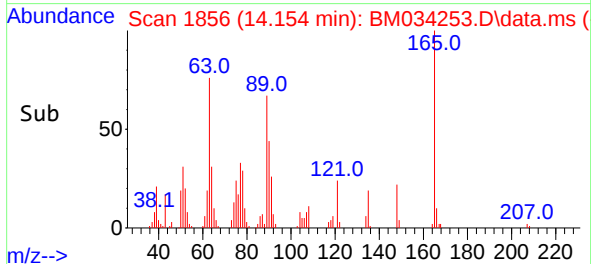
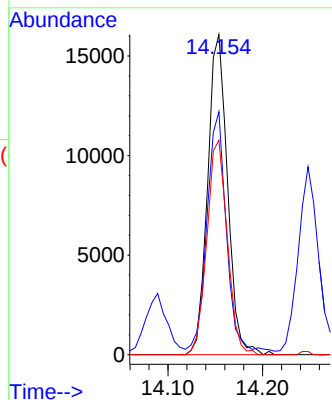
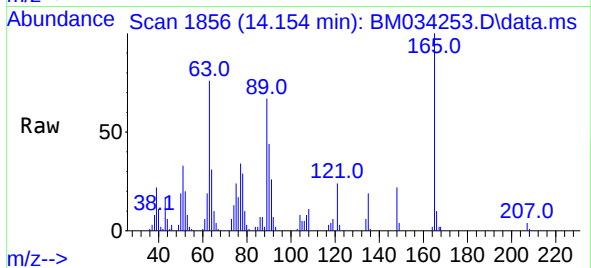
#51
2,6-Dinitrotoluene
Concen: 3.063 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:165 Resp: 23390
Ion Ratio Lower Upper
165 100
63 75.9 51.9 77.9
89 67.0 50.6 76.0

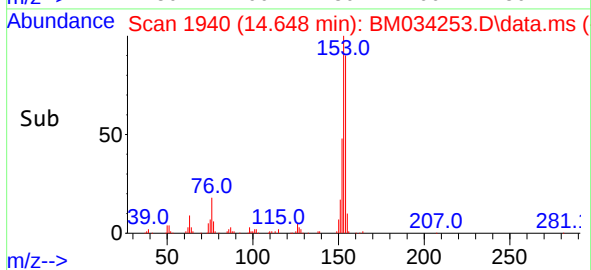
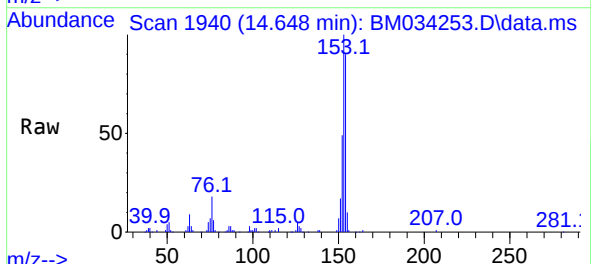
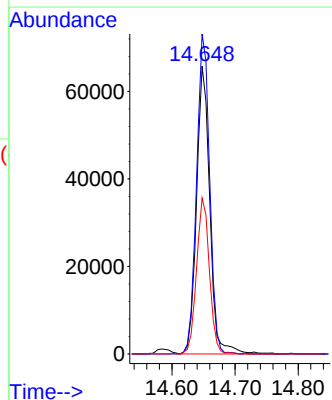
Manual Integrations
APPROVED

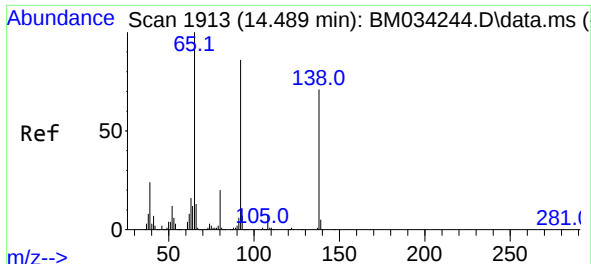
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#52
Acenaphthene
Concen: 3.188 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

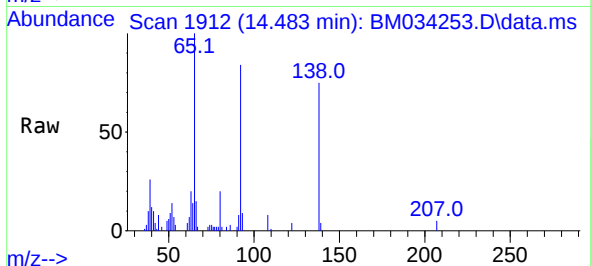
Tgt Ion:154 Resp: 95802
Ion Ratio Lower Upper
154 100
153 111.3 91.8 137.8
152 54.3 42.6 64.0





#53
3-Nitroaniline
Concen: 2.305 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

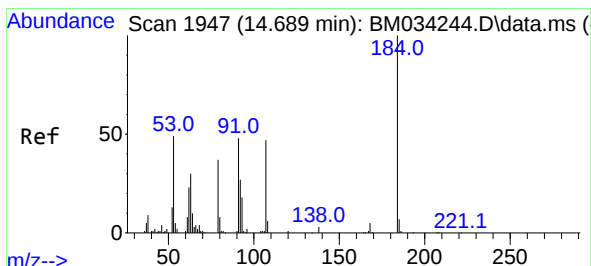
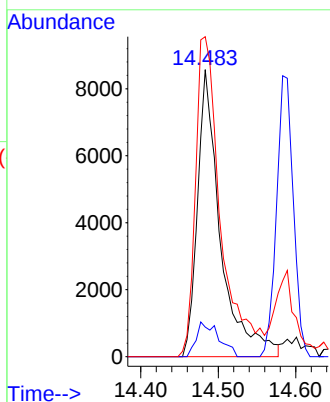
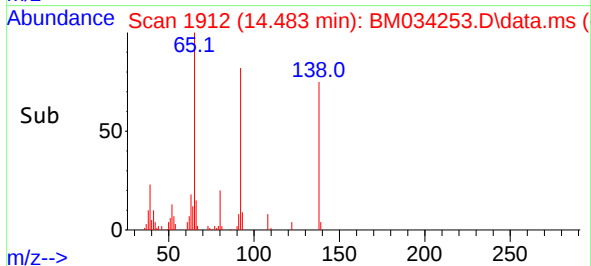
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



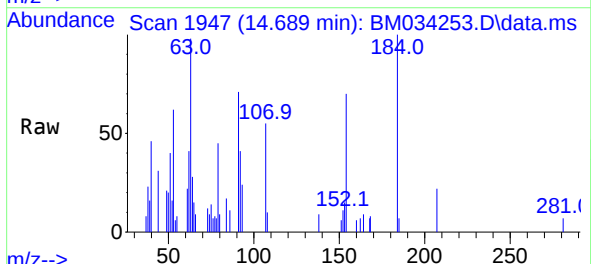
Tgt Ion:138 Resp: 17654
Ion Ratio Lower Upper
138 100
108 10.3 8.3 12.5
92 111.5 97.6 146.4

Manual Integrations
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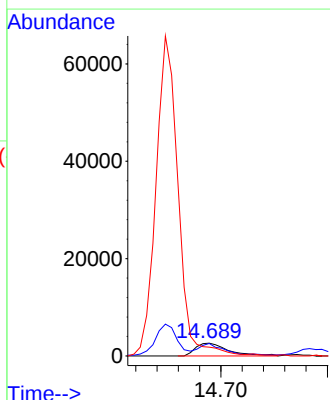
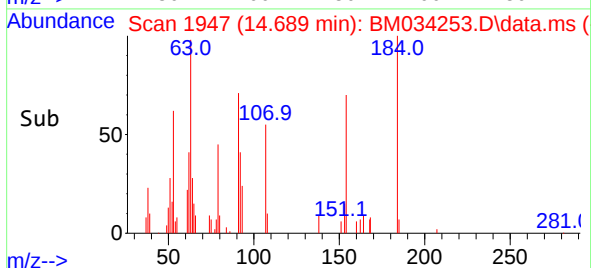
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

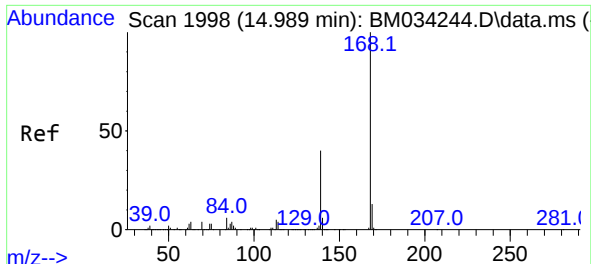


#54
2,4-Dinitrophenol
Concen: 1.312 ng
RT: 14.689 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:184 Resp: 5612
Ion Ratio Lower Upper
184 100
63 98.0 58.3 87.5#
154 69.6 52.6 78.8





#55

Dibenzenofuran

Concen: 3.348 ng

RT: 14.983 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

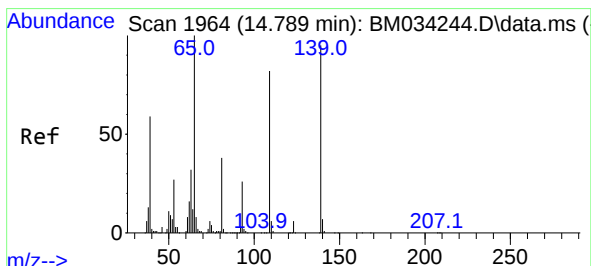
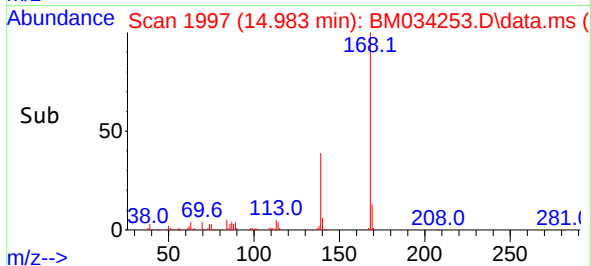
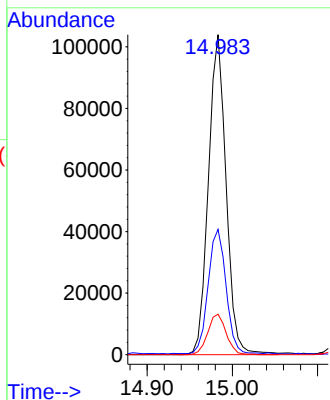
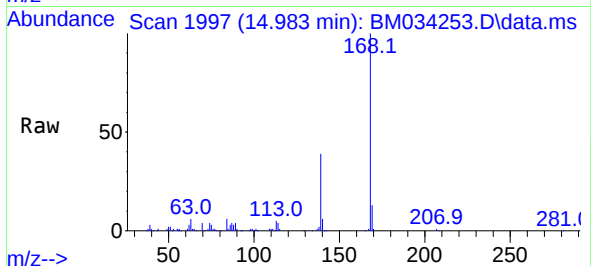
Tgt Ion:168	Resp:	14996
Ion Ratio	Lower	Upper
168	100	
139	39.2	32.4 48.6
169	12.6	10.8 16.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#56

4-Nitrophenol

Concen: 1.627 ng m

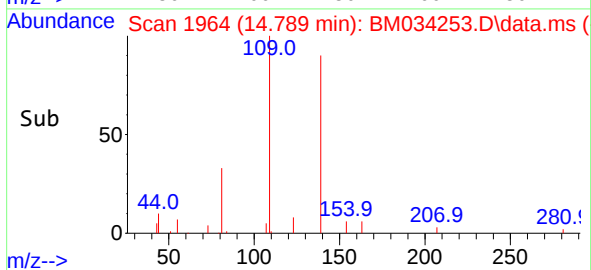
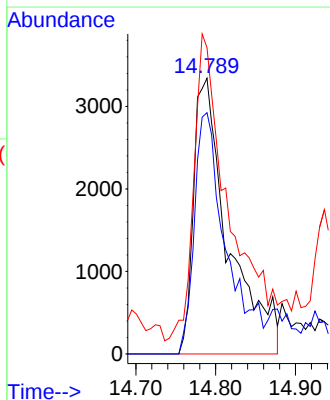
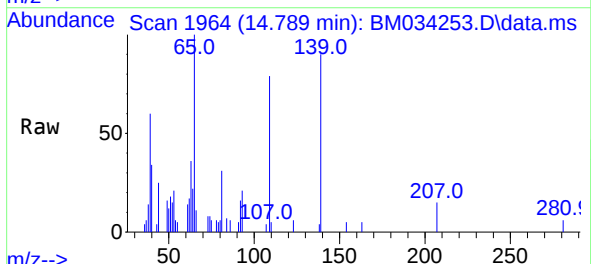
RT: 14.789 min Scan# 1964

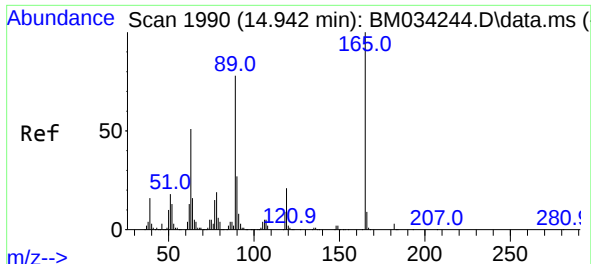
Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

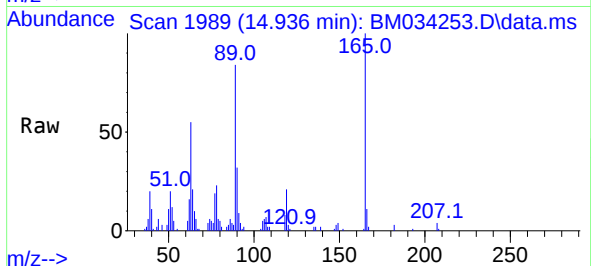
Tgt Ion:139	Resp:	10104
Ion Ratio	Lower	Upper
139	100	
109	87.5	66.3 106.3
65	111.1	85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 2.705 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

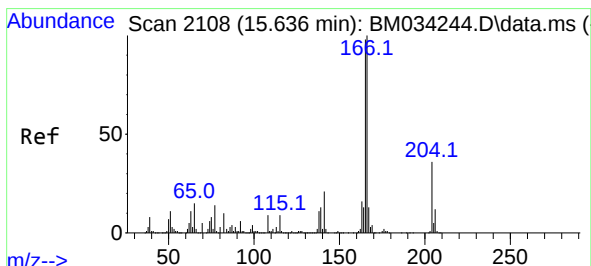
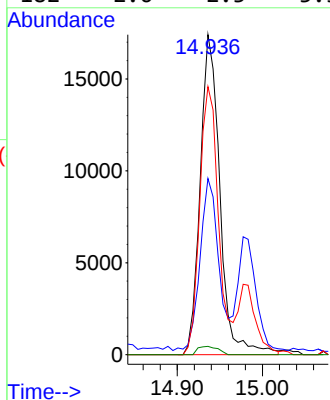
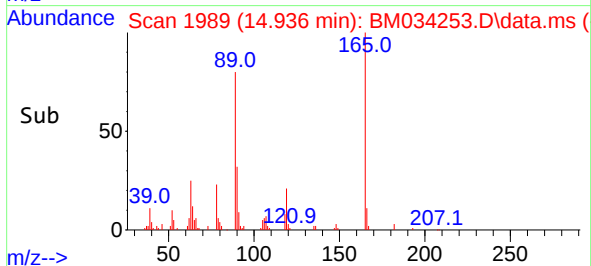
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:165 Resp: 27910
Ion Ratio Lower Upper
165 100
63 55.1 40.6 61.0
89 83.7 62.7 94.1
182 2.6 2.3 3.5

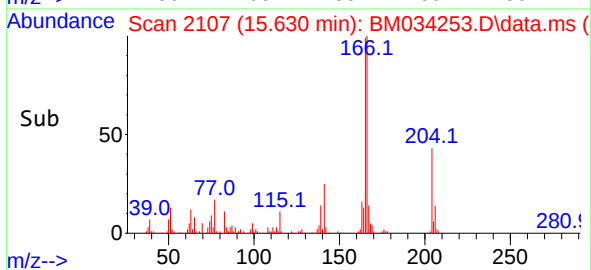
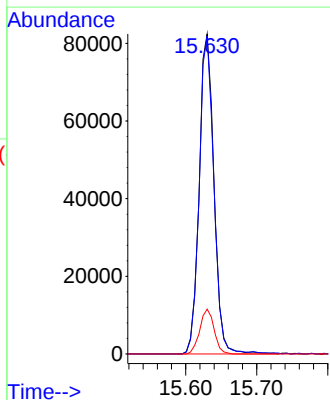
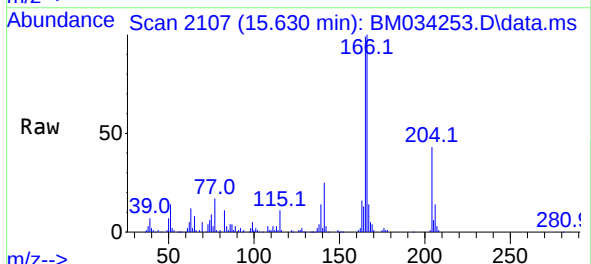
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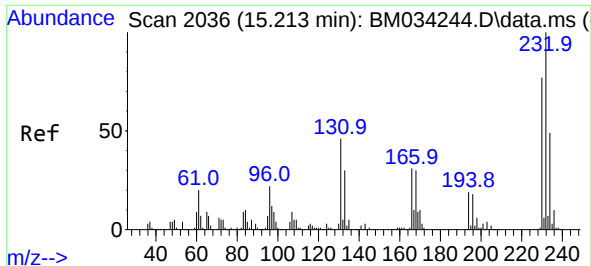
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#58
Fluorene
Concen: 3.283 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

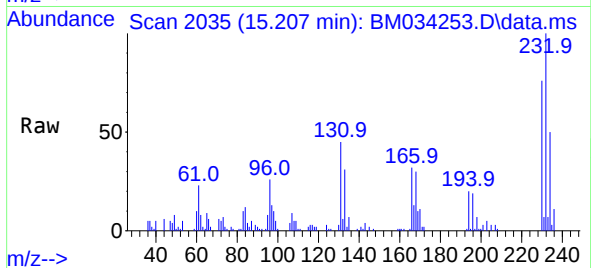
Tgt Ion:166 Resp: 119378
Ion Ratio Lower Upper
166 100
165 99.4 78.0 117.0
167 14.0 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.914 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

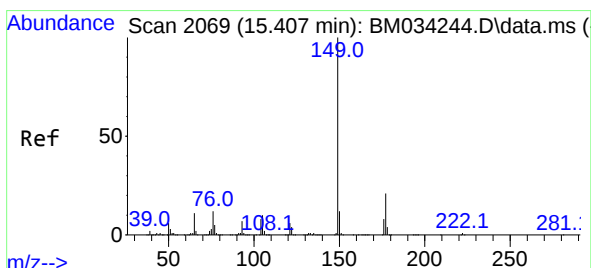
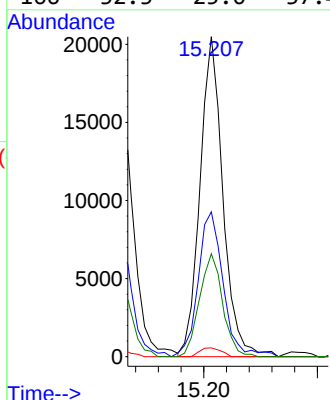
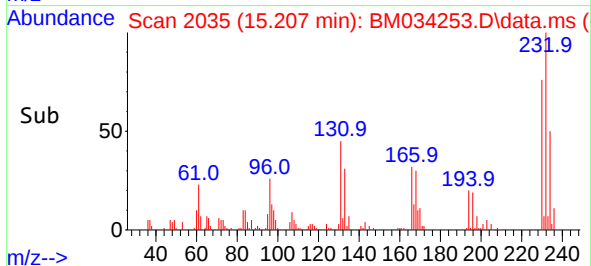
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



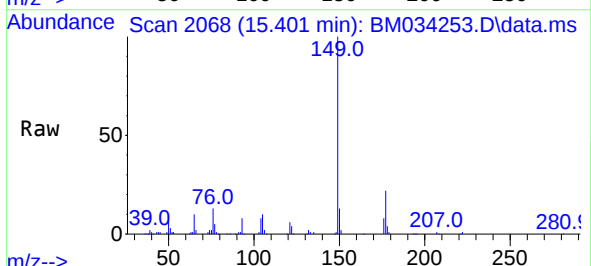
Tgt Ion:232 Resp: 28740
Ion Ratio Lower Upper
232 100
131 49.1 38.0 57.0
130 2.6 2.2 3.2
166 32.3 25.0 37.4

Manual Integrations
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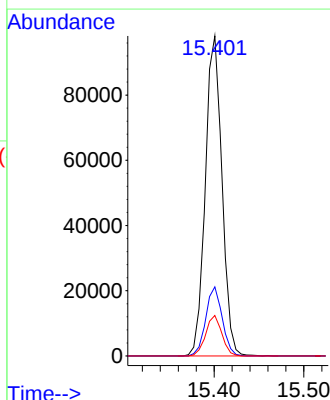
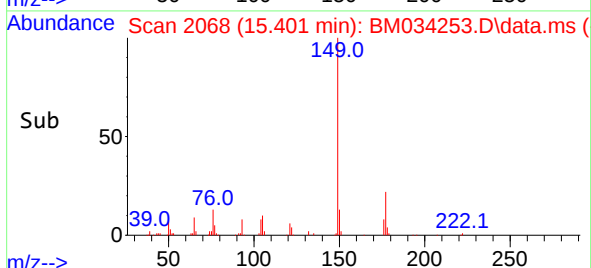
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

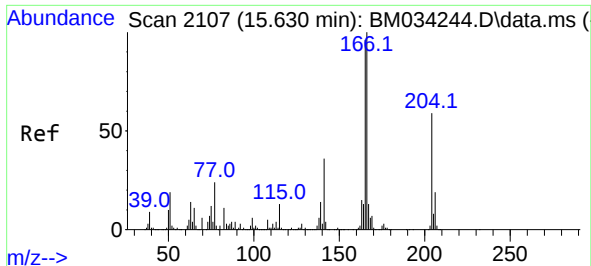


#60
Diethylphthalate
Concen: 3.312 ng
RT: 15.401 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



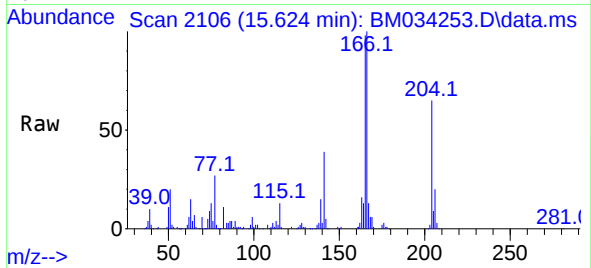
Tgt Ion:149 Resp: 126475
Ion Ratio Lower Upper
149 100
177 21.6 17.1 25.7
150 12.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 3.390 ng
RT: 15.624 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

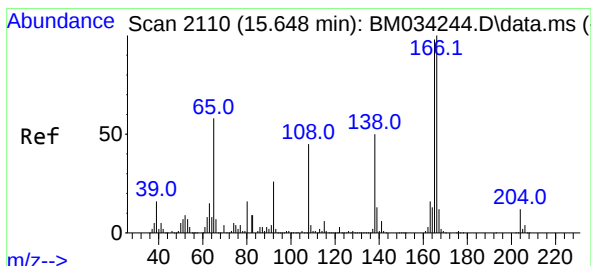
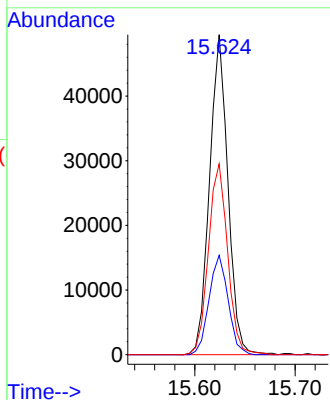
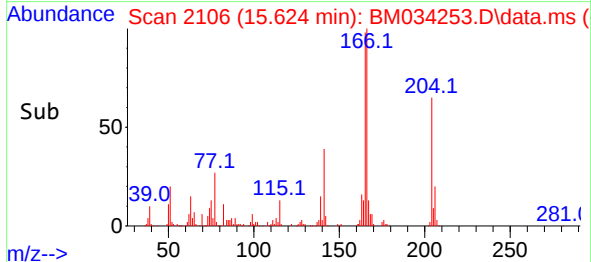
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



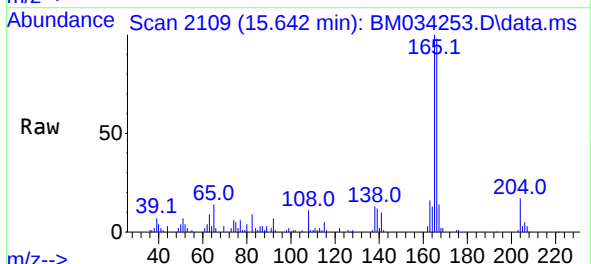
Tgt Ion:204 Resp: 62920
Ion Ratio Lower Upper
204 100
206 31.0 26.4 39.6
141 59.7 49.4 74.2

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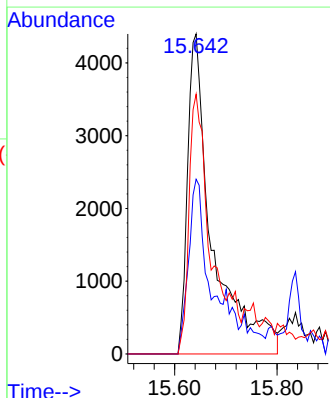
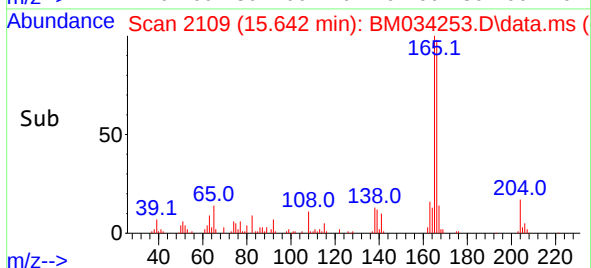
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

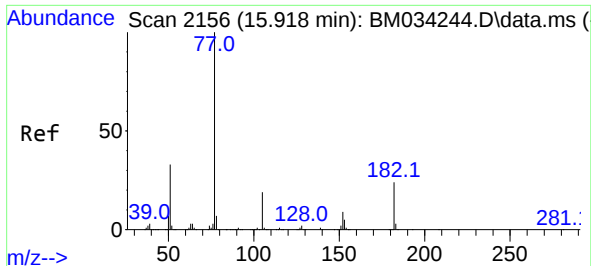


#62
4-Nitroaniline
Concen: 2.032 ng m
RT: 15.642 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



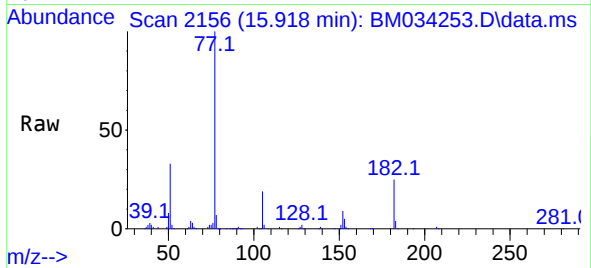
Tgt Ion:138 Resp: 14973
Ion Ratio Lower Upper
138 100
92 54.6 32.6 72.6
108 81.2 69.8 109.8





#63
Azobenzene
Concen: 3.159 ng
RT: 15.918 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

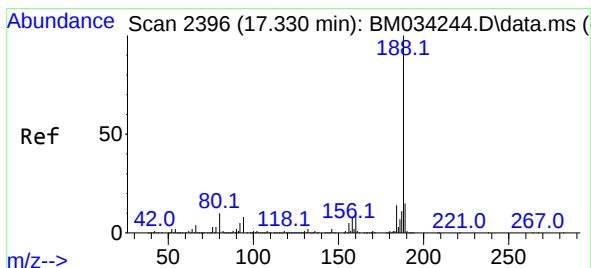
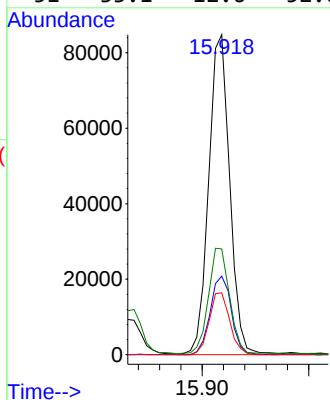
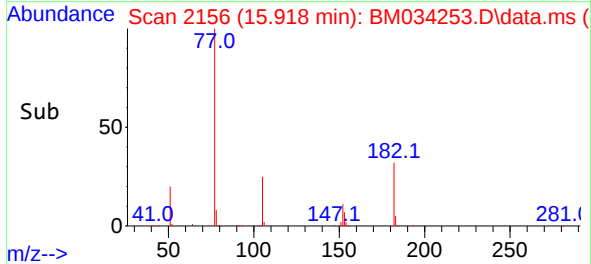
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



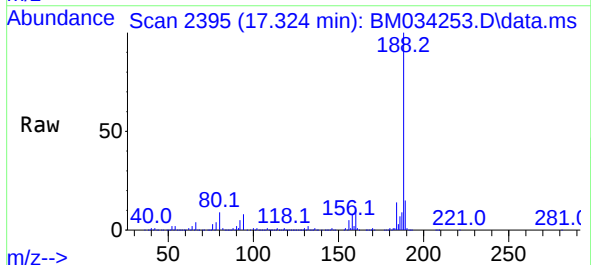
Tgt Ion: 77 Resp: 11633
Ion Ratio Lower Upper
77 100
182 24.5 4.4 44.4
105 19.3 0.0 38.7
51 33.1 12.6 52.6

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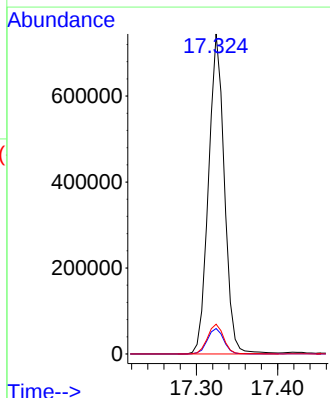
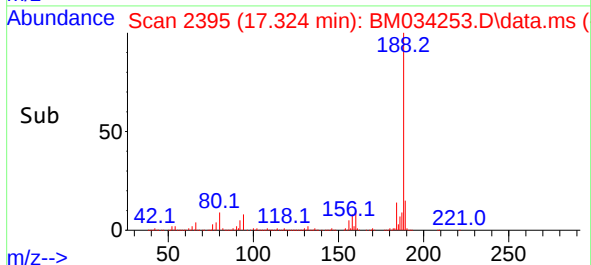
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

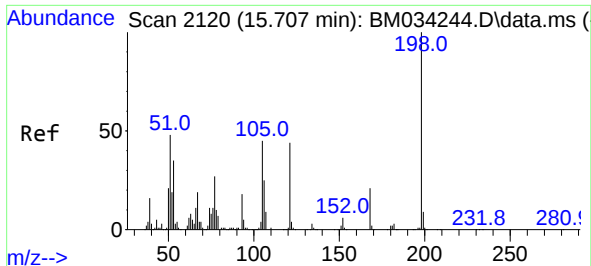


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



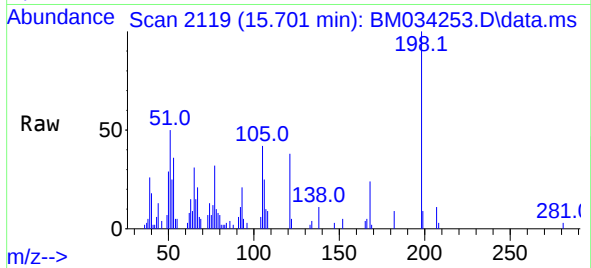
Tgt Ion:188 Resp: 1010587
Ion Ratio Lower Upper
188 100
94 8.0 6.6 9.8
80 9.3 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 1.918 ng
RT: 15.701 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

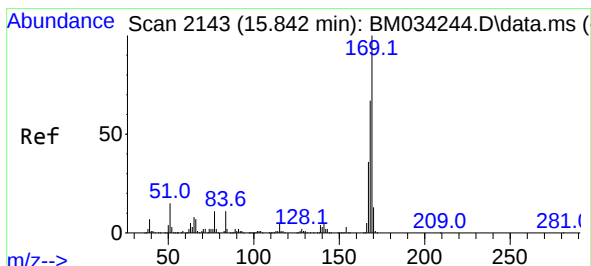
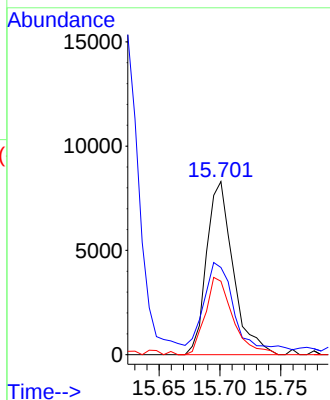
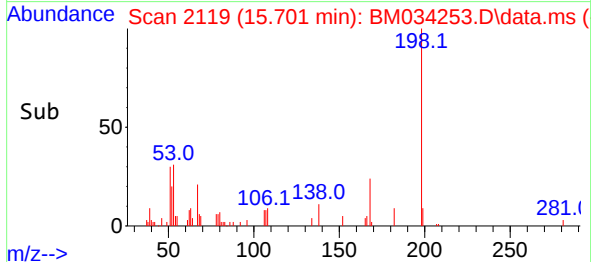
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:198 Resp: 12600
Ion Ratio Lower Upper
198 100
51 50.4 29.0 69.0
105 42.5 25.3 65.3

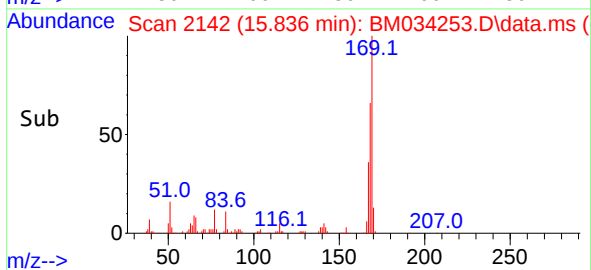
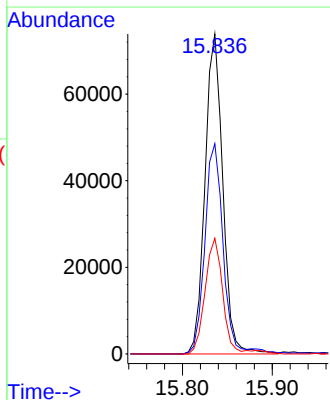
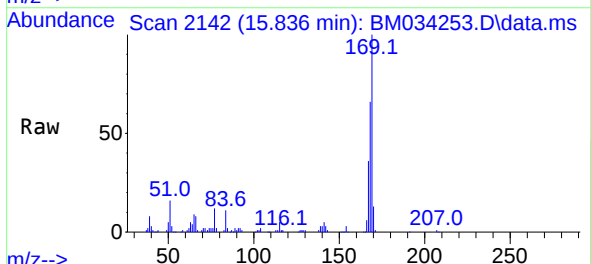
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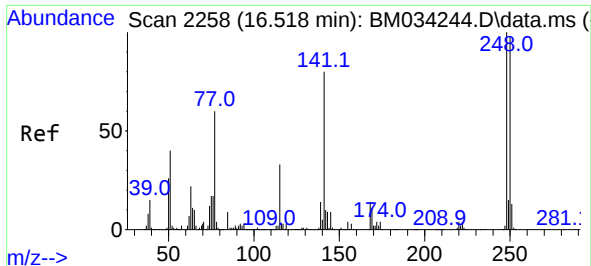
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 3.171 ng
RT: 15.836 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

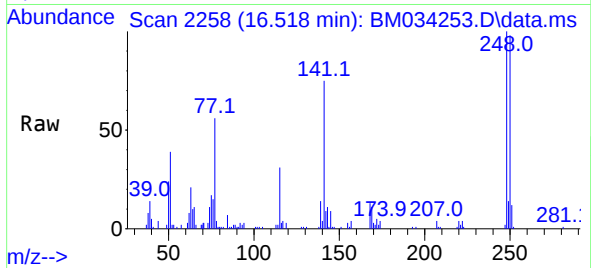
Tgt Ion:169 Resp: 101797
Ion Ratio Lower Upper
169 100
168 65.7 53.9 80.9
167 36.2 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 3.284 ng
RT: 16.518 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

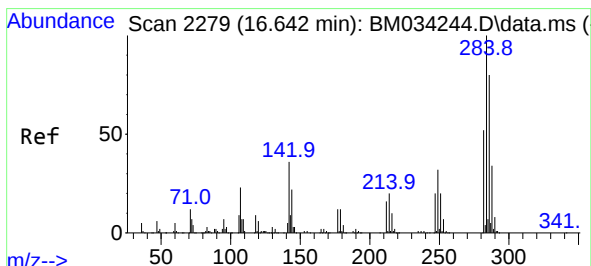
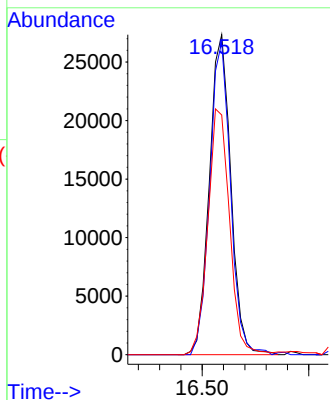
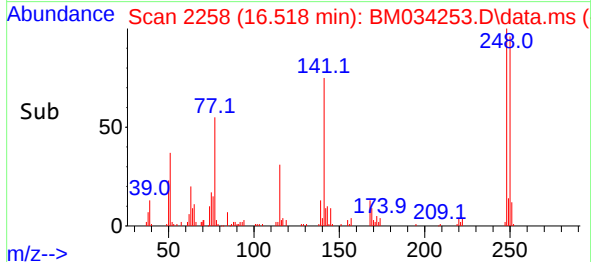
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



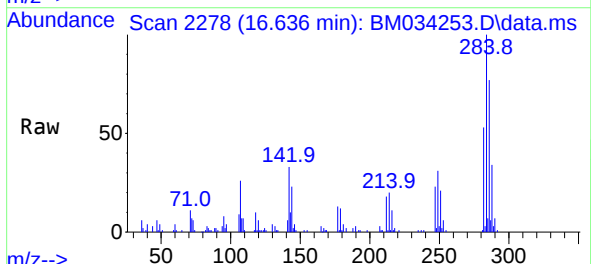
Tgt Ion:248 Resp: 3814
Ion Ratio Lower Upper
248 100
250 97.8 78.0 117.0
141 74.9 63.8 95.6

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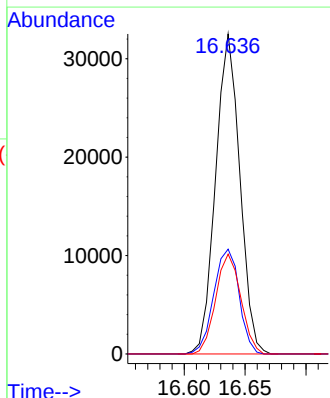
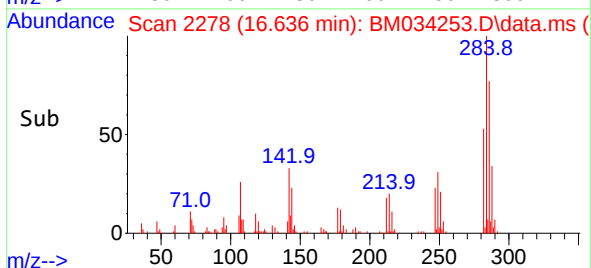
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

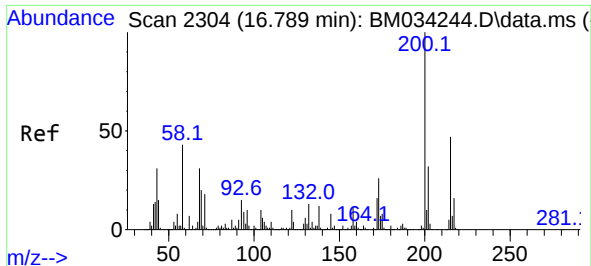


#68
Hexachlorobenzene
Concen: 3.470 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



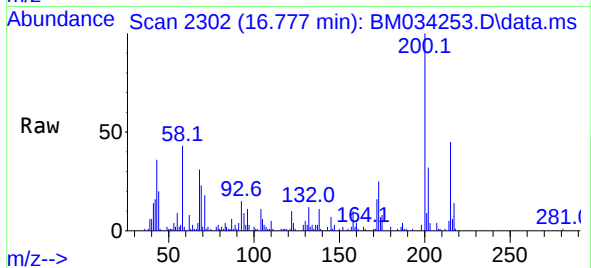
Tgt Ion:284 Resp: 44965
Ion Ratio Lower Upper
284 100
142 32.8 28.9 43.3
249 31.2 25.4 38.0





#69
Atrazine
Concen: 3.423 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

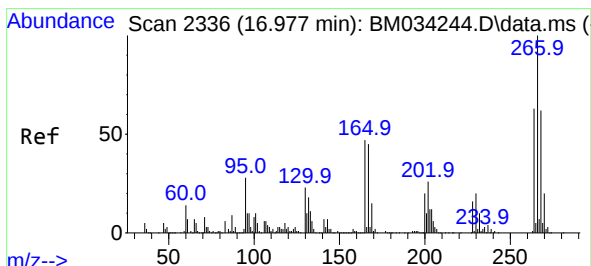
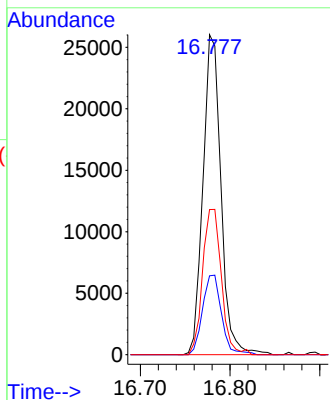
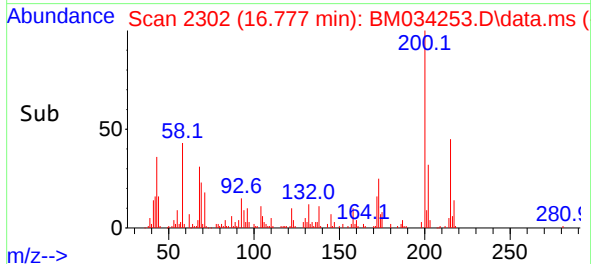
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



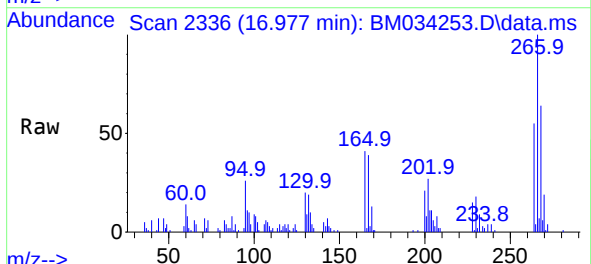
Tgt Ion:200 Resp: 36220
Ion Ratio Lower Upper
200 100
173 24.6 6.1 46.1
215 45.4 27.4 67.4

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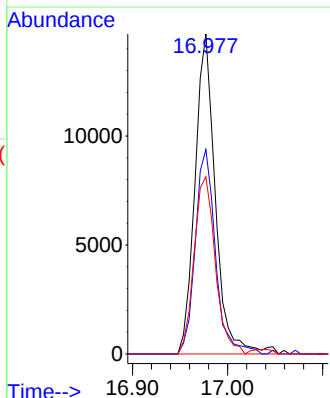
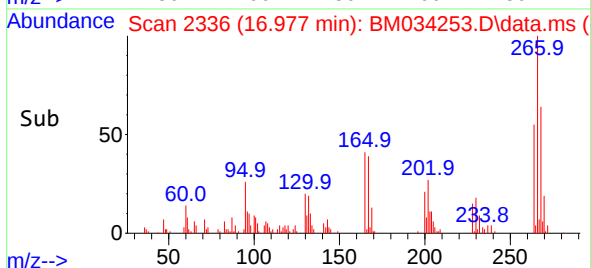
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

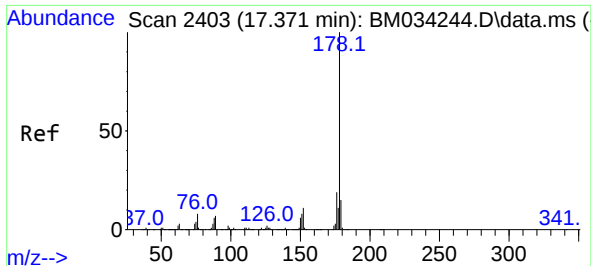


#70
Pentachlorophenol
Concen: 2.639 ng m
RT: 16.977 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



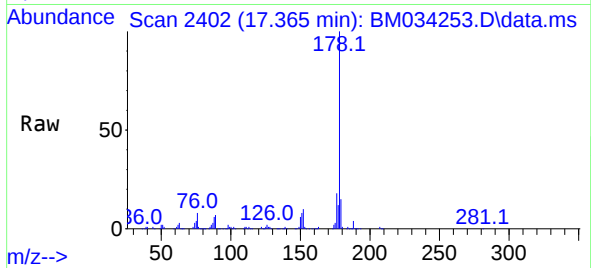
Tgt Ion:266 Resp: 21872
Ion Ratio Lower Upper
266 100
268 63.9 49.8 74.8
264 55.4 50.3 75.5





#71
Phenanthrene
Concen: 3.338 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

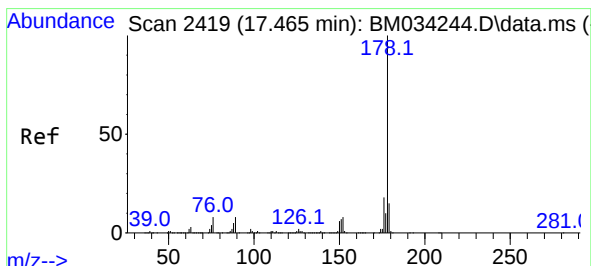
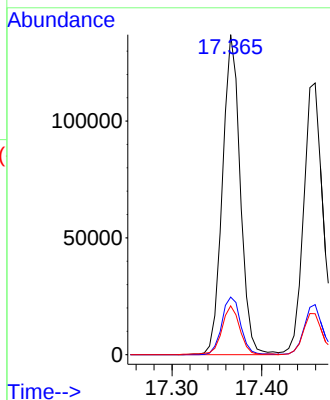
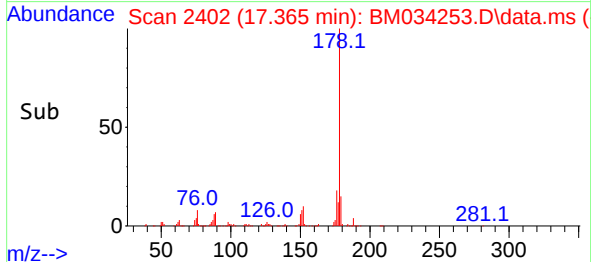
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



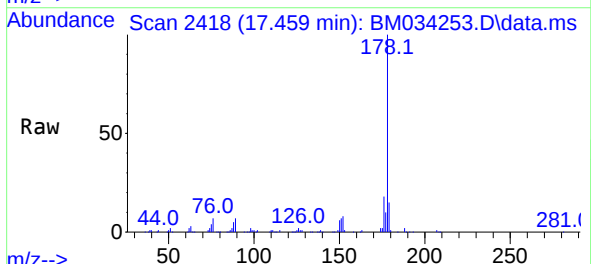
Tgt Ion:178 Resp: 188908
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 15.2 12.2 18.4

Manual Integrations
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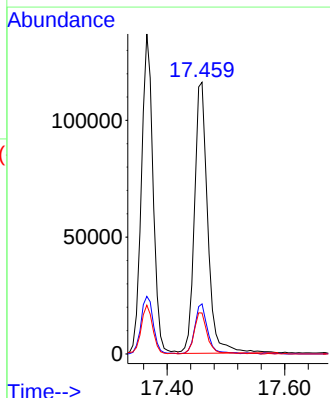
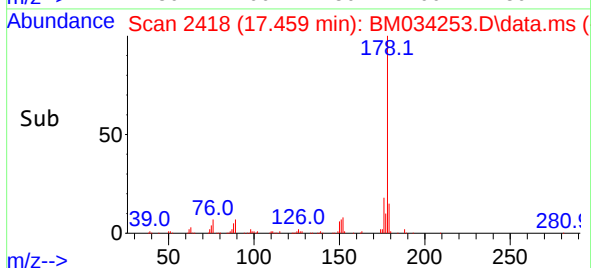
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

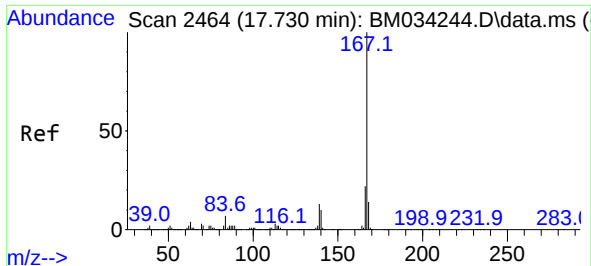


#72
Anthracene
Concen: 3.304 ng
RT: 17.459 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



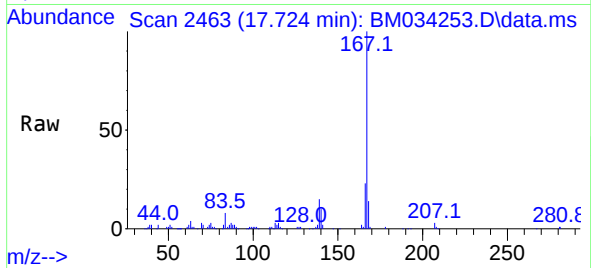
Tgt Ion:178 Resp: 182011
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.1 12.2 18.2





#73
 Carbazole
 Concen: 2.665 ng
 RT: 17.724 min Scan# 2464
 Delta R.T. -0.006 min
 Lab File: BM034253.D
 Acq: 16 Mar 2022 11:14

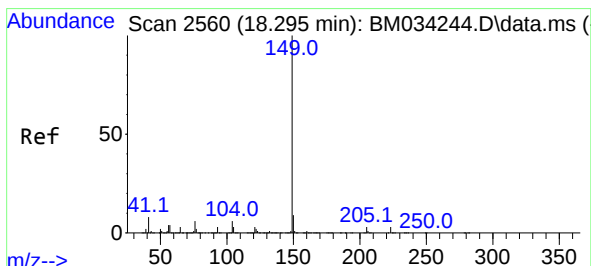
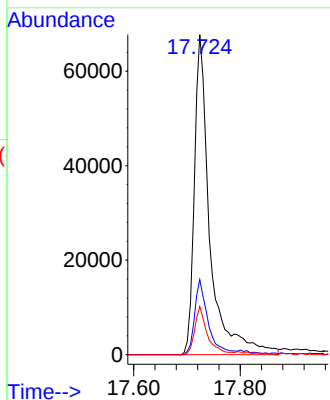
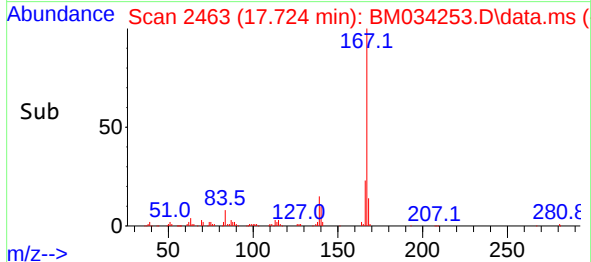
Instrument : BNA_M
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



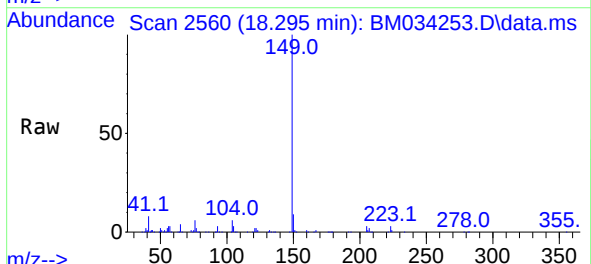
Tgt Ion:167 Resp: 13691
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.4 26.2
 139 15.1 10.4 15.6

Manual Integrations
 APPROVED

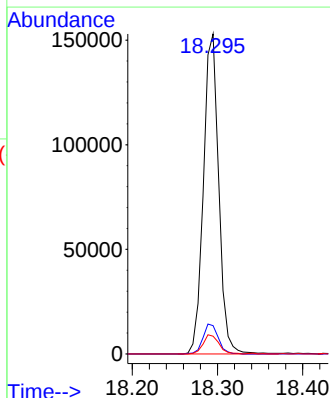
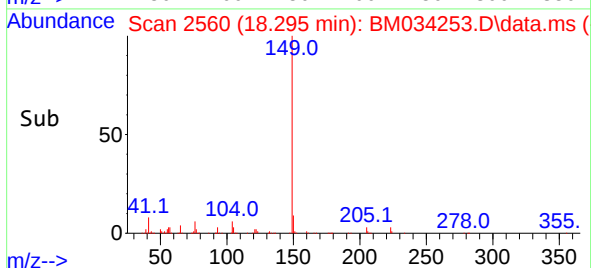
Reviewed By :Christian Giraldo 03/17/2022
 Supervised By :Jagrut Upadhyay 03/17/2022

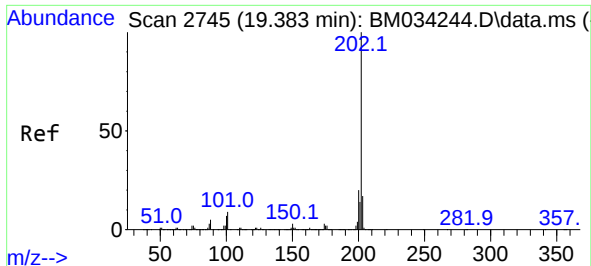


#74
 Di-n-butylphthalate
 Concen: 2.986 ng
 RT: 18.295 min Scan# 2560
 Delta R.T. 0.000 min
 Lab File: BM034253.D
 Acq: 16 Mar 2022 11:14



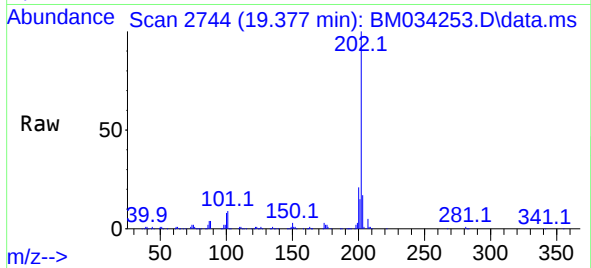
Tgt Ion:149 Resp: 190706
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.6 11.4
 104 5.6 4.7 7.1





#75
Fluoranthene
Concen: 3.238 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

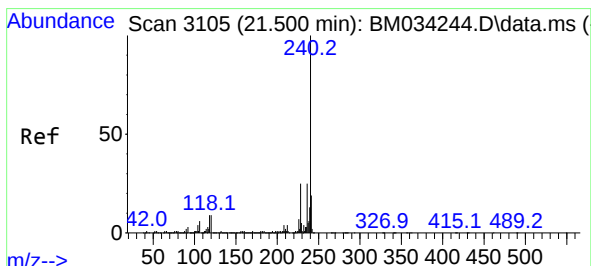
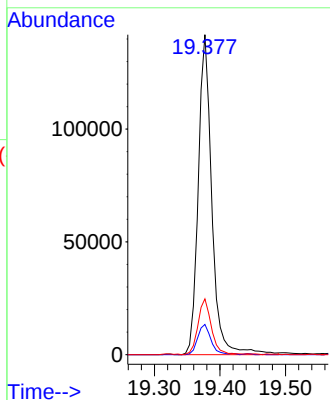
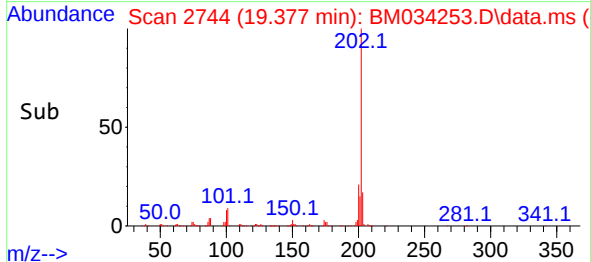
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



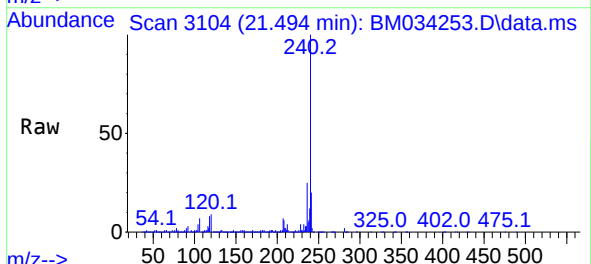
Tgt Ion:202 Resp: 205452
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.4
203 17.5 0.0 37.1

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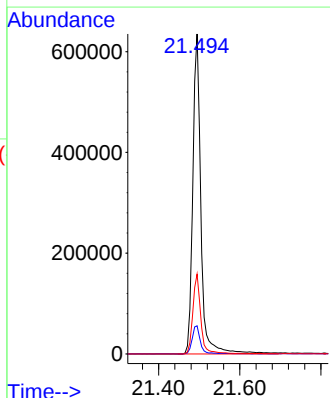
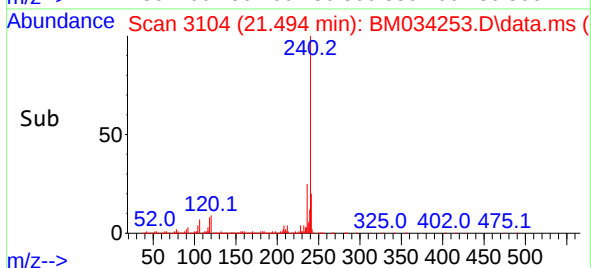
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

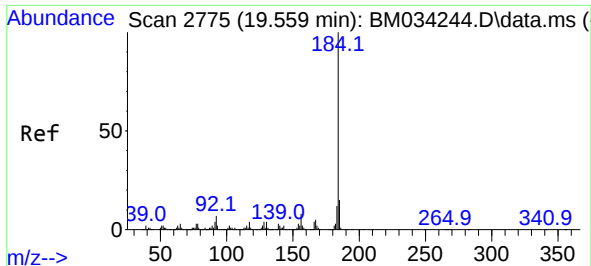


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:240 Resp: 887272
Ion Ratio Lower Upper
240 100
120 8.8 7.3 10.9
236 25.0 20.2 30.2





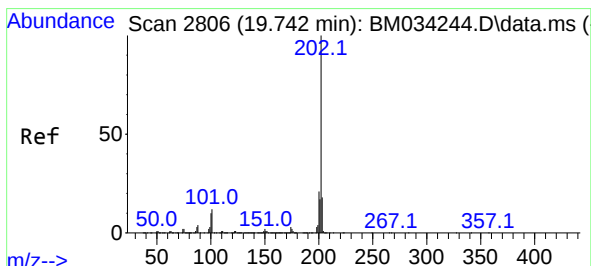
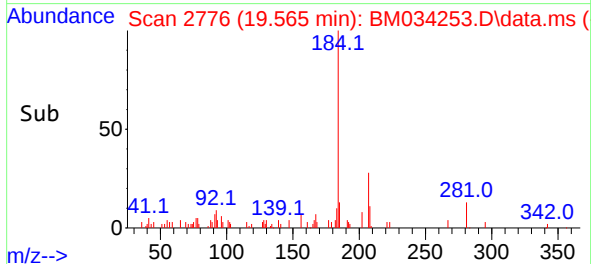
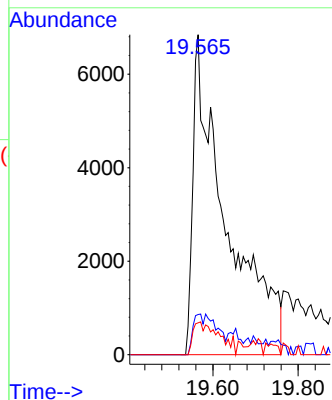
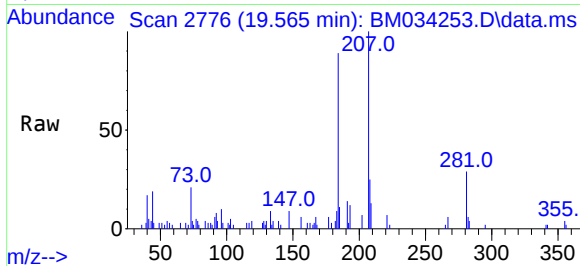
#77
Benzidine
Concen: 2.819 ng m
RT: 19.565 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:184 Resp: 36652
Ion Ratio Lower Upper
184 100
185 12.6 11.7 17.5
183 10.0 9.8 14.6

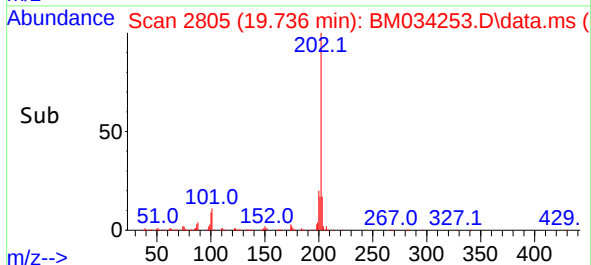
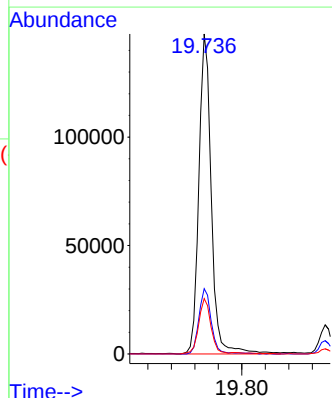
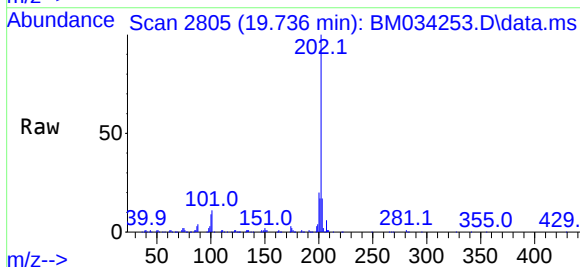
Manual Integrations
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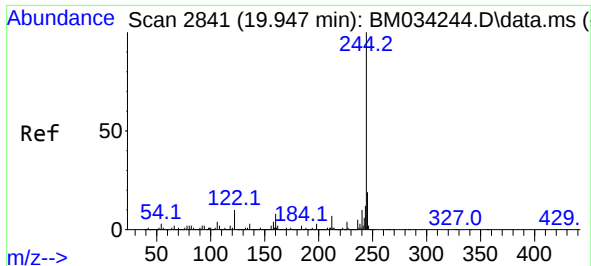
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#78
Pyrene
Concen: 3.467 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

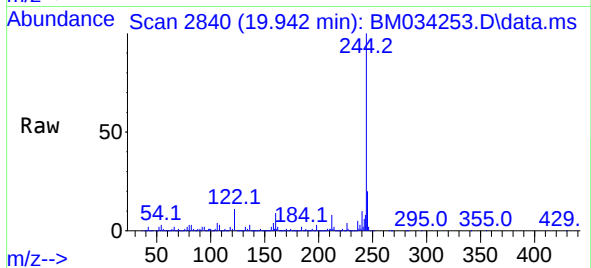
Tgt Ion:202 Resp: 216714
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.3 14.1 21.1





#79
Terphenyl-d14
Concen: 84.989 ng
RT: 19.942 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

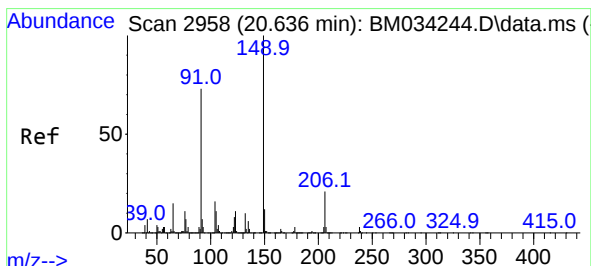
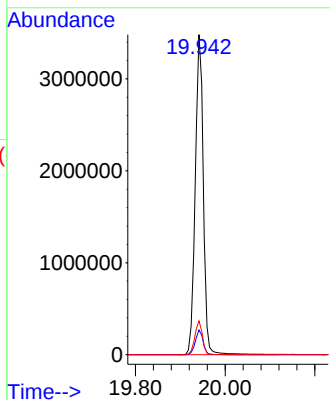
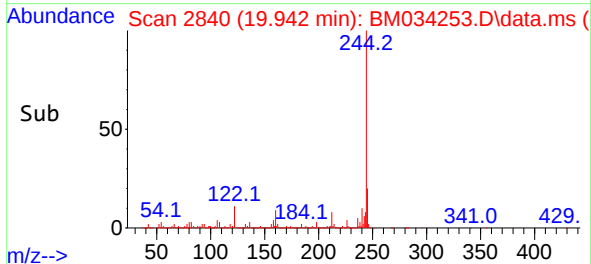
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



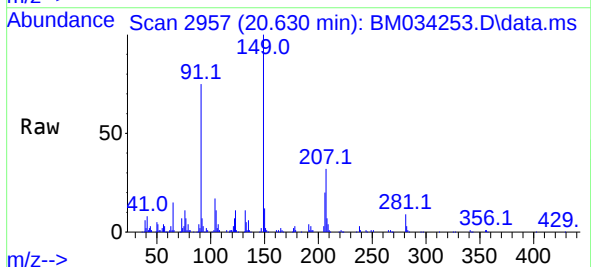
Tgt Ion:244 Resp: 433979
Ion Ratio Lower Upper
244 100
212 7.7 5.9 8.9
122 10.6 7.8 11.8

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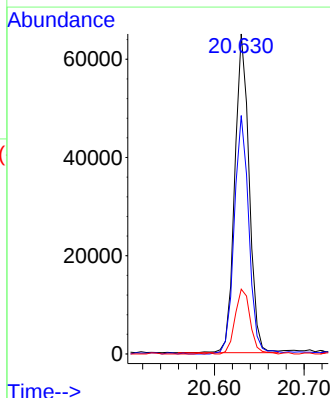
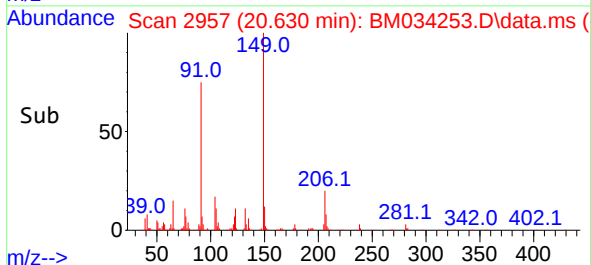
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

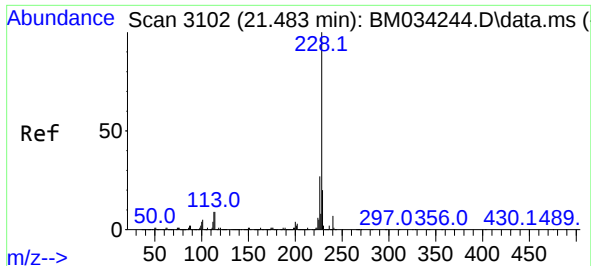


#80
Butylbenzylphthalate
Concen: 2.730 ng
RT: 20.630 min Scan# 2957
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



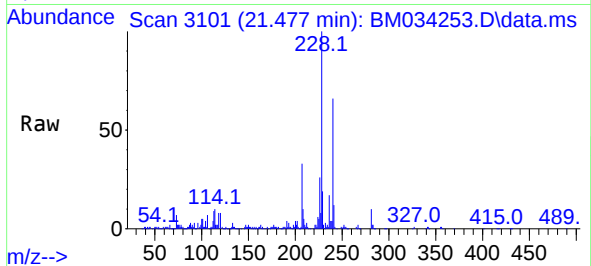
Tgt Ion:149 Resp: 72184
Ion Ratio Lower Upper
149 100
91 74.5 58.5 87.7
206 20.3 16.9 25.3





#81
Benzo(a)anthracene
Concen: 3.248 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

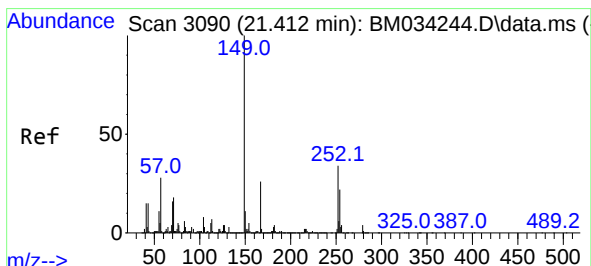
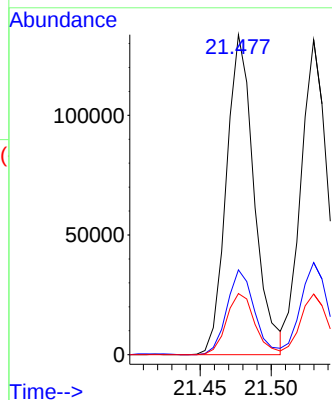
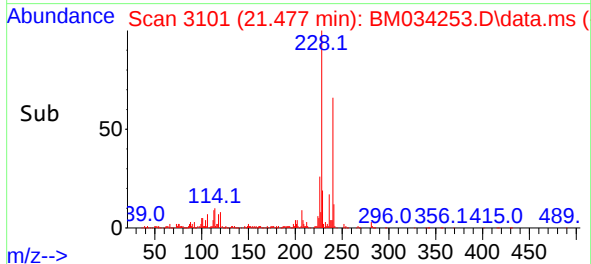
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:228 Resp: 18190
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 19.1 15.8 23.6

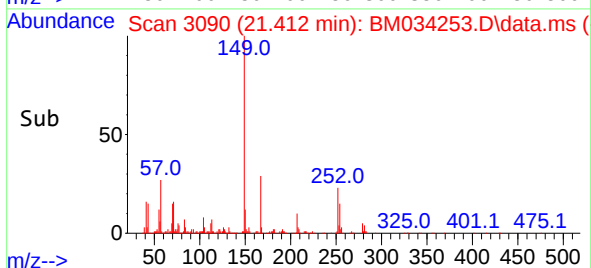
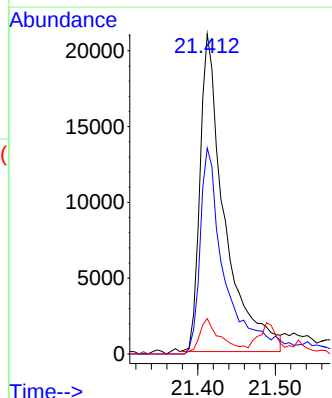
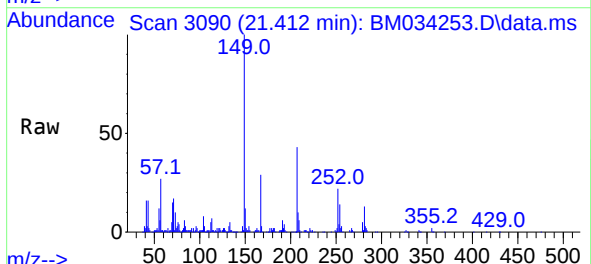
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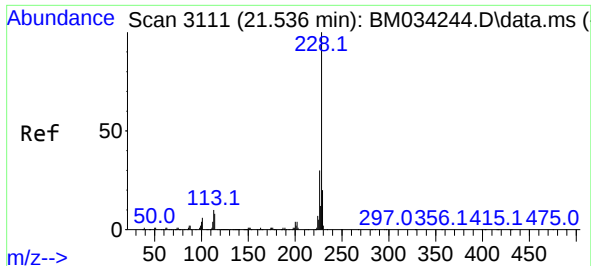
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 2.457 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

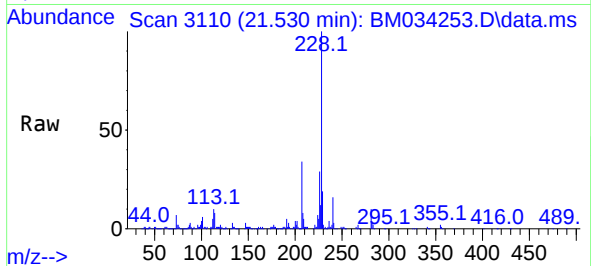
Tgt Ion:252 Resp: 45949
Ion Ratio Lower Upper
252 100
254 64.4 50.9 76.3
126 11.1 8.6 12.8





#83
Chrysene
Concen: 3.353 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

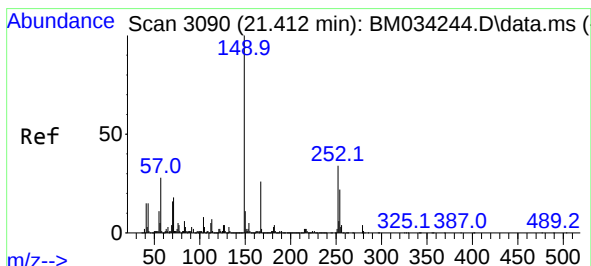
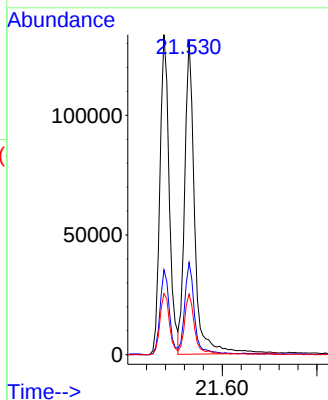
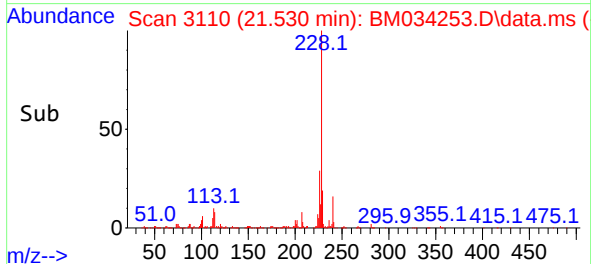
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



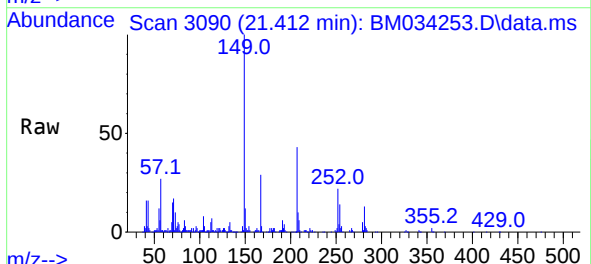
Tgt Ion:228 Resp: 19175
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.6
229 19.3 15.6 23.4

Manual Integrations
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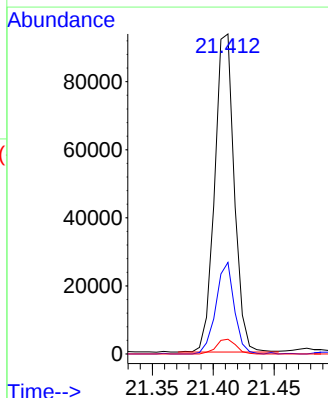
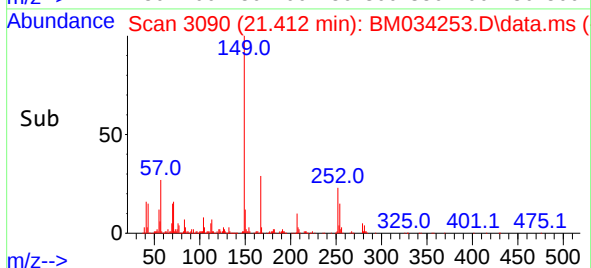
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

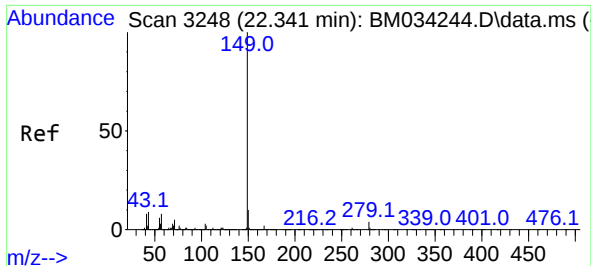


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.688 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



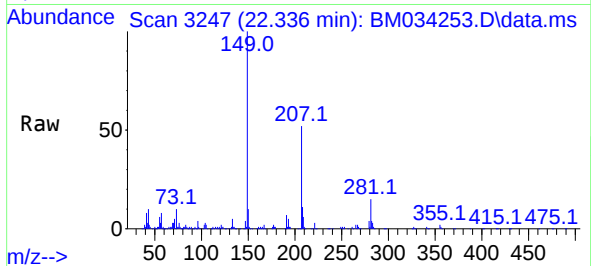
Tgt Ion:149 Resp: 104945
Ion Ratio Lower Upper
149 100
167 28.6 21.2 31.8
279 4.6 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 2.515 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

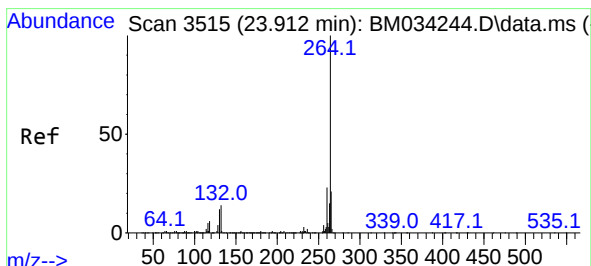
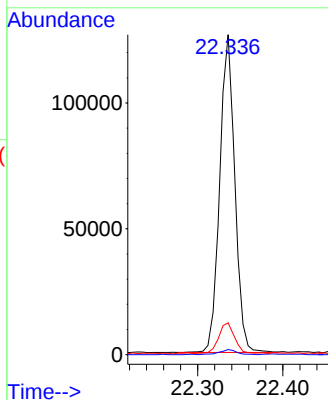
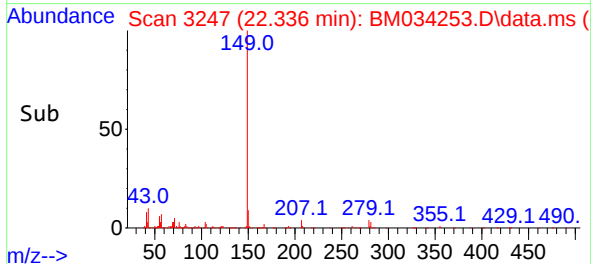
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



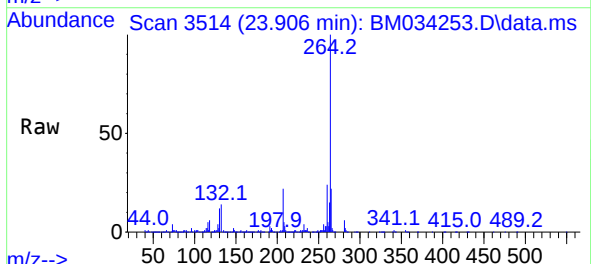
Tgt Ion:149 Resp: 155870
Ion Ratio Lower Upper
149 100
167 1.9 1.2 1.8
43 10.3 7.8 11.8

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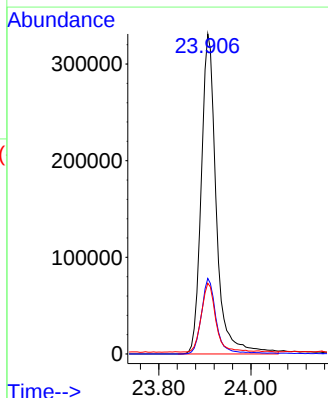
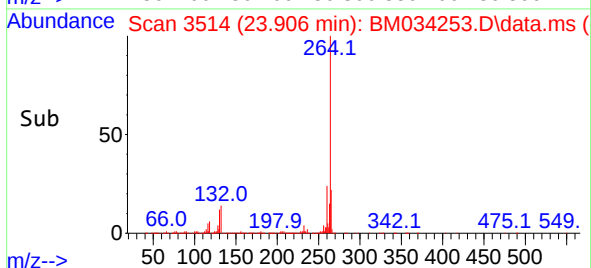
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

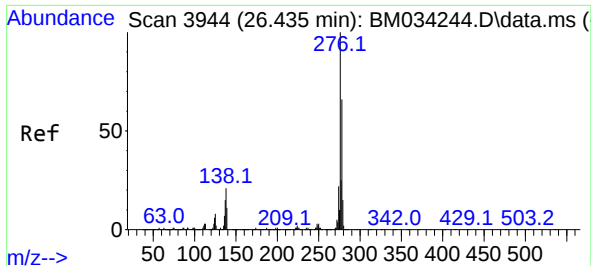


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



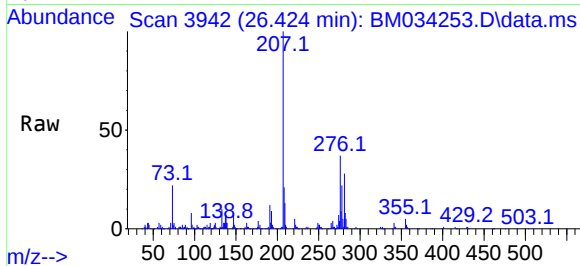
Tgt Ion:264 Resp: 756381
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 22.1 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.523 ng
RT: 26.424 min Scan# 3942
Delta R.T. -0.012 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

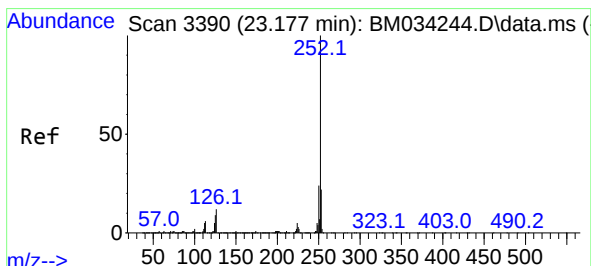
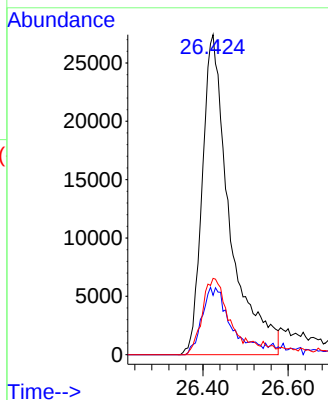
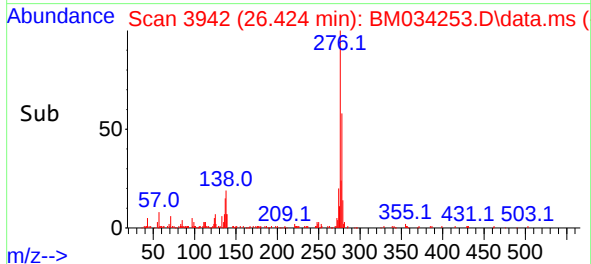
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:276 Resp: 122738
Ion Ratio Lower Upper
276 100
138 9.0 16.6 25.0
277 24.1 19.8 29.6

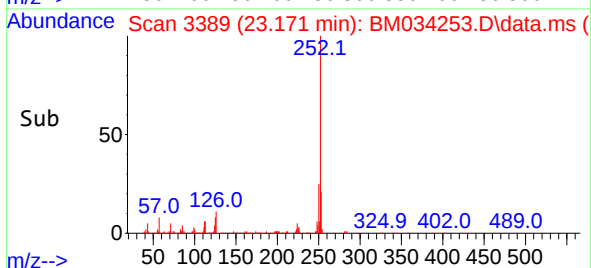
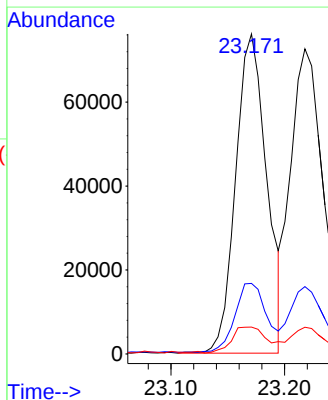
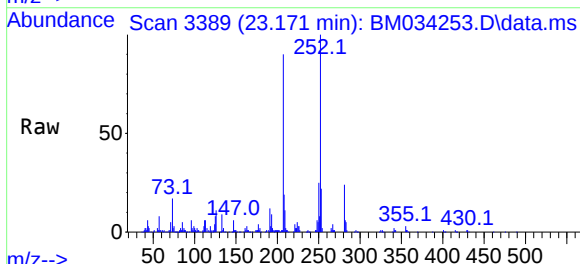
Manual Integrations
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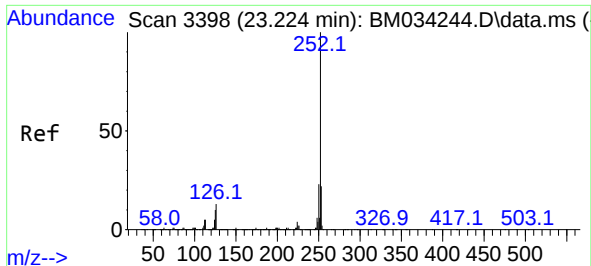
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#88
Benzo(b)fluoranthene
Concen: 3.193 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

Tgt Ion:252 Resp: 144413
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 8.4 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 3.304 ng

RT: 23.218 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

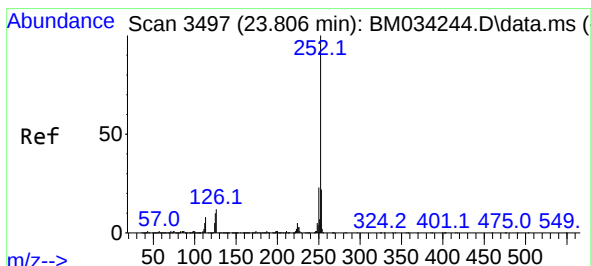
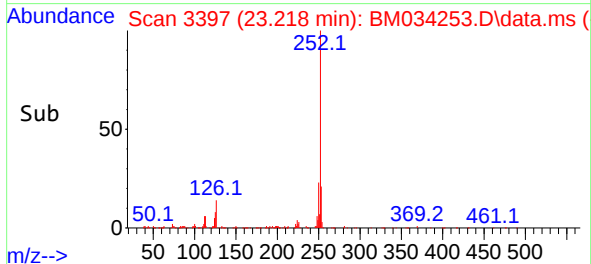
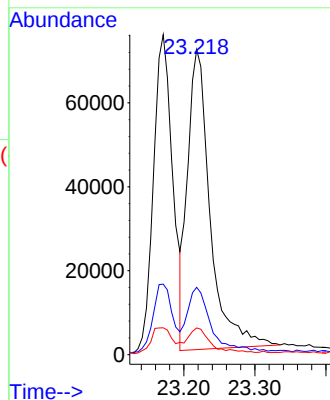
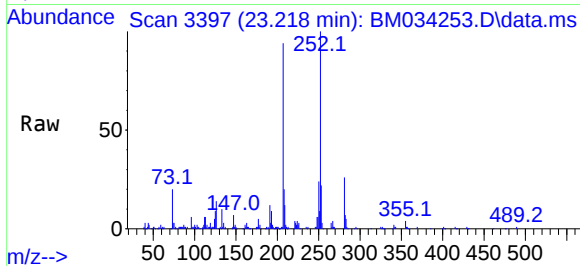
Tgt Ion:	252	Resp:	15829
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.6	26.4
125	8.7	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#90

Benzo(a)pyrene

Concen: 3.421 ng

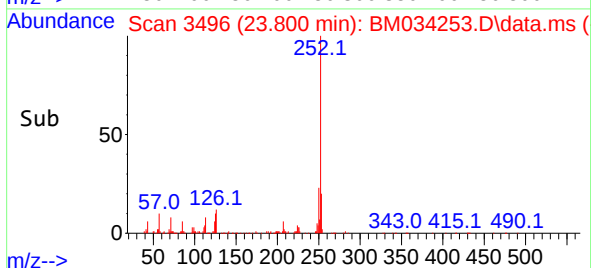
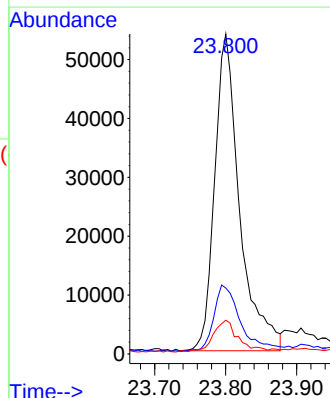
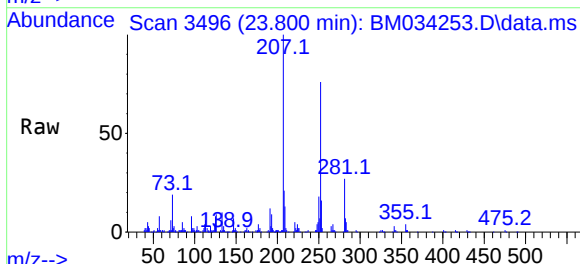
RT: 23.800 min Scan# 3496

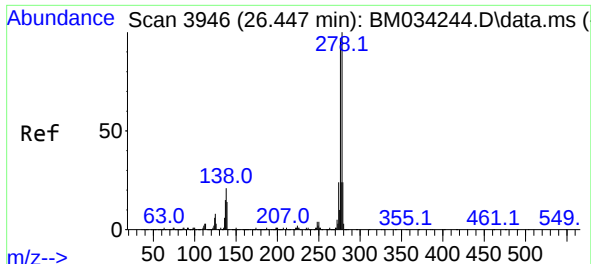
Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

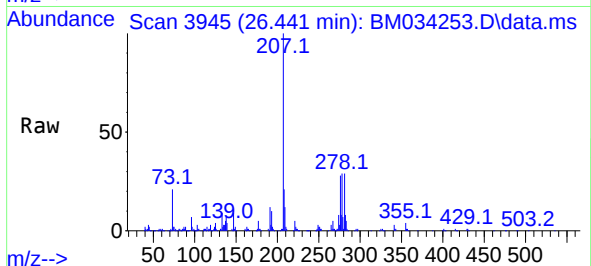
Tgt Ion:	252	Resp:	131159
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.5	26.3
125	10.5	7.8	11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.563 ng
RT: 26.441 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14

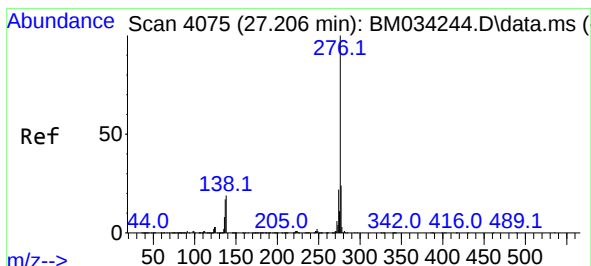
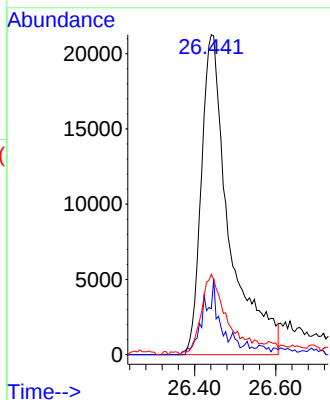
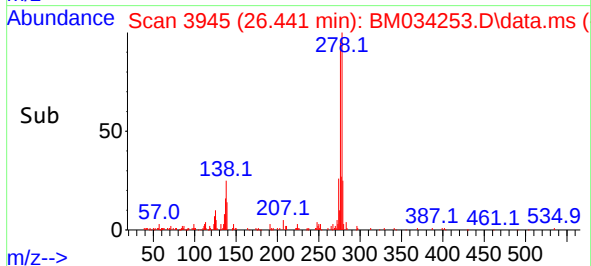
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



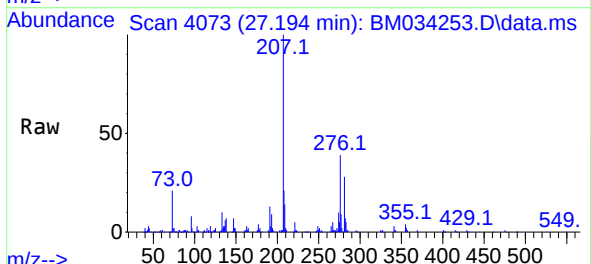
Tgt Ion:278 Resp: 10110
Ion Ratio Lower Upper
278 100
139 14.3 11.2 16.8
279 25.2 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#92
Benzo(g,h,i)perylene
Concen: 2.923 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.012 min
Lab File: BM034253.D
Acq: 16 Mar 2022 11:14



Tgt Ion:276 Resp: 119377
Ion Ratio Lower Upper
276 100
277 22.0 19.0 28.4
138 18.2 15.6 23.4

