

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
 Data File : BM034295.D
 Acq On : 21 Mar 2022 19:29
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Mar 22 04:10:35 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 03/22/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	179784	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	726698	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	499044	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1055061	20.000	ng	0.00
76) Chrysene-d12	21.494	240	1113850	20.000	ng	0.00
86) Perylene-d12	23.906	264	1046318	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	1099118	109.675	ng	0.00
7) Phenol-d6	7.101	99	1603405	111.746	ng	0.00
23) Nitrobenzene-d5	9.107	82	1217781	81.588	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	777996	115.662	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2895713	79.291	ng	0.00
79) Terphenyl-d14	19.942	244	4706423	73.420	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.354	88	33679	7.428	ng	98
3) Pyridine	3.766	79	76048	6.198	ng	# 93
4) n-Nitrosodimethylamine	3.672	42	39116	6.714	ng	# 96
6) Aniline	7.266	93	123830	7.552	ng	99
8) 2-Chlorophenol	7.501	128	80549	6.872	ng	98
9) Benzaldehyde	7.072	77	77628m	10.042	ng	
10) Phenol	7.125	94	99487	6.971	ng	93
11) bis(2-Chloroethyl)ether	7.360	93	82043	7.004	ng	99
12) 1,3-Dichlorobenzene	7.831	146	94337	7.095	ng	98
13) 1,4-Dichlorobenzene	7.978	146	96011	7.053	ng	99
14) 1,2-Dichlorobenzene	8.301	146	89762	6.765	ng	98
15) Benzyl Alcohol	8.184	79	72161	6.319	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.472	45	115552	7.189	ng	98
17) 2-Methylphenol	8.384	107	64457	6.449	ng	97
18) Hexachloroethane	9.036	117	34880	6.948	ng	95
19) n-Nitroso-di-n-propyla...	8.754	70	71544	6.893	ng	97
20) 3+4-Methylphenols	8.713	107	85130	6.159	ng	98
22) Acetophenone	8.766	105	131622	7.058	ng	97
24) Nitrobenzene	9.148	77	105598	7.578	ng	97
25) Isophorone	9.678	82	190263	7.618	ng	96
26) 2-Nitrophenol	9.866	139	38143	6.172	ng	95
27) 2,4-Dimethylphenol	9.925	122	74620	7.711	ng	99
28) bis(2-Chloroethoxy)met...	10.160	93	113546	7.101	ng	99
29) 2,4-Dichlorophenol	10.401	162	70484	6.269	ng	98
30) 1,2,4-Trichlorobenzene	10.619	180	90190	7.057	ng	96
31) Naphthalene	10.807	128	272161	7.189	ng	99
32) Benzoic acid	9.989	122	25434m	3.178	ng	
33) 4-Chloroaniline	10.913	127	95426	6.390	ng	97
34) Hexachlorobutadiene	11.101	225	55575	6.865	ng	95
35) Caprolactam	11.666	113	24894	6.369	ng	98
36) 4-Chloro-3-methylphenol	12.030	107	85654	6.648	ng	95
37) 2-Methylnaphthalene	12.419	142	192228	7.116	ng	99
38) 1-Methylnaphthalene	12.636	142	189979	7.189	ng	99
40) 1,2,4,5-Tetrachloroben...	12.783	216	104068	6.910	ng	99
41) Hexachlorocyclopentadiene	12.771	237	65911	7.559	ng	99
43) 2,4,6-Trichlorophenol	13.019	196	62556	6.016	ng	98

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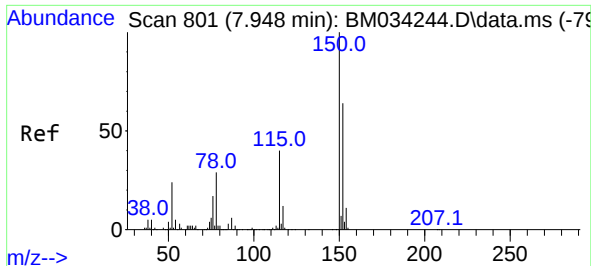
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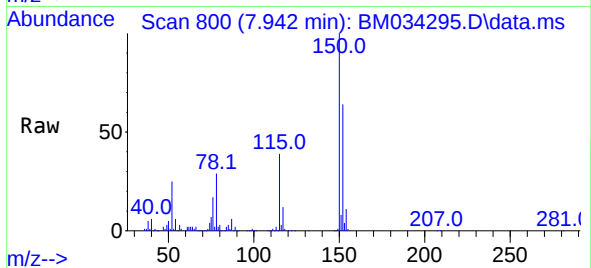
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	66892	5.994	ng	96
46) 1,1'-Biphenyl	13.418	154	268236	7.049	ng	99
47) 2-Chloronaphthalene	13.460	162	199035	6.814	ng	96
48) 2-Nitroaniline	13.660	65	52820	5.915	ng	94
49) Acenaphthylene	14.307	152	329051	7.228	ng	99
50) Dimethylphthalate	14.036	163	264075	6.953	ng	99
51) 2,6-Dinitrotoluene	14.148	165	54046	6.937	ng	94
52) Acenaphthene	14.648	154	206959	6.749	ng	97
53) 3-Nitroaniline	14.477	138	44685	5.717	ng	94
54) 2,4-Dinitrophenol	14.683	184	17318	3.968	ng	99
55) Dibenzofuran	14.977	168	316871	6.934	ng	100
56) 4-Nitrophenol	14.783	139	30201	4.766	ng	93
57) 2,4-Dinitrotoluene	14.936	165	70819	6.725	ng	95
58) Fluorene	15.624	166	257497	6.941	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.207	232	62636	6.224	ng	96
60) Diethylphthalate	15.395	149	271328	6.963	ng	99
61) 4-Chlorophenyl-phenyle...	15.618	204	130959	6.914	ng	98
62) 4-Nitroaniline	15.636	138	40838m	5.431	ng	
63) Azobenzene	15.912	77	259940	6.918	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	34453	5.022	ng	95
66) n-Nitrosodiphenylamine	15.830	169	223628	6.672	ng	99
67) 4-Bromophenyl-phenylether	16.512	248	80270	6.618	ng	99
68) Hexachlorobenzene	16.630	284	92812	6.861	ng	96
69) Atrazine	16.777	200	80296	7.268	ng	99
70) Pentachlorophenol	16.971	266	51200	5.918	ng	96
71) Phenanthrene	17.365	178	413249	6.994	ng	99
72) Anthracene	17.453	178	407939	7.093	ng	100
73) Carbazole	17.718	167	333859	6.225	ng	99
74) Di-n-butylphthalate	18.289	149	443520	6.652	ng	100
75) Fluoranthene	19.377	202	477981	7.216	ng	99
77) Benzidine	19.559	184	138478m	8.484	ng	
78) Pyrene	19.736	202	505495	6.441	ng	98
80) Butylbenzylphthalate	20.630	149	192980	5.815	ng	98
81) Benzo(a)anthracene	21.477	228	480851	6.840	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	153827	6.551	ng	96
83) Chrysene	21.530	228	480915	6.699	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	293315	5.985	ng	98
85) Di-n-octyl phthalate	22.336	149	476085	6.120	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	370613	5.506	ng	98
88) Benzo(b)fluoranthene	23.171	252	439696	7.028	ng	98
89) Benzo(k)fluoranthene	23.218	252	482666	7.282	ng	99
90) Benzo(a)pyrene	23.800	252	401500	7.570	ng	99
91) Dibenzo(a,h)anthracene	26.441	278	321490	5.891	ng	98
92) Benzo(g,h,i)perylene	27.182	276	344727	6.102	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

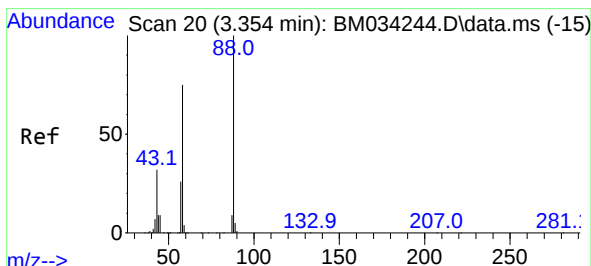
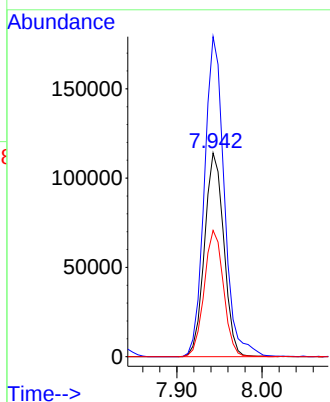
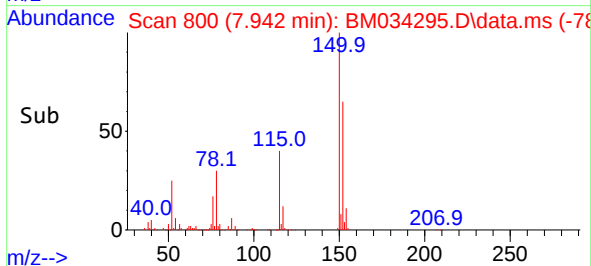
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:152 Resp: 179784
Ion Ratio Lower Upper
152 100
150 157.1 125.4 188.2
115 62.0 50.1 75.1

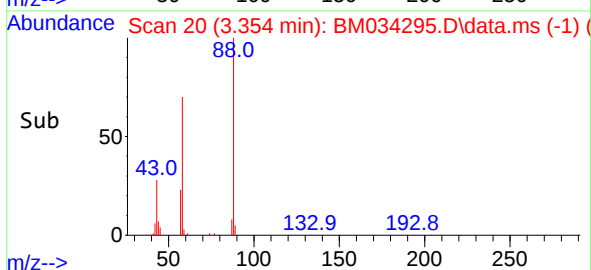
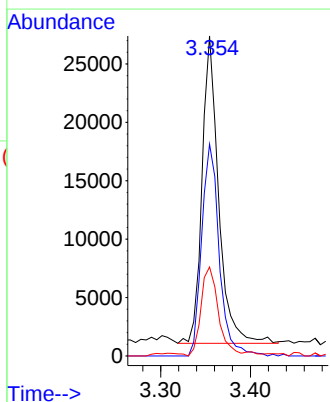
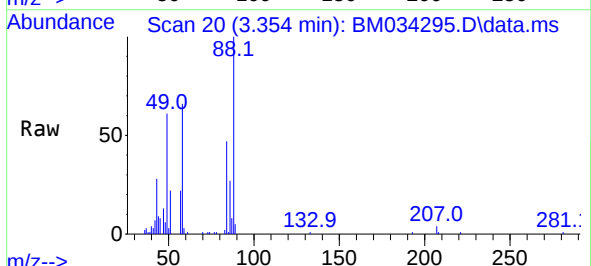
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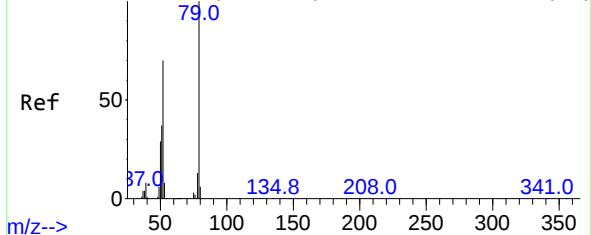


#2
1,4-Dioxane
Concen: 7.428 ng
RT: 3.354 min Scan# 20
Delta R.T. -0.000 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion: 88 Resp: 33679
Ion Ratio Lower Upper
88 100
58 72.9 60.4 90.6
43 31.4 25.4 38.0



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



#3

Pyridine

Concen: 6.198 ng

RT: 3.766 min Scan# 90

Delta R.T. -0.000 min

Lab File: BM034295.D

Acq: 21 Mar 2022 19:29

Instrument :

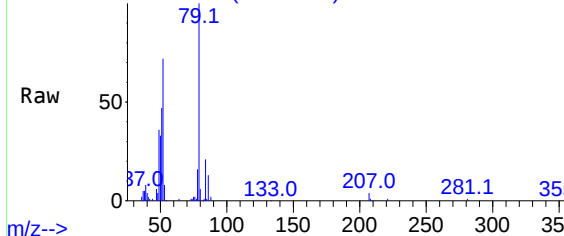
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ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

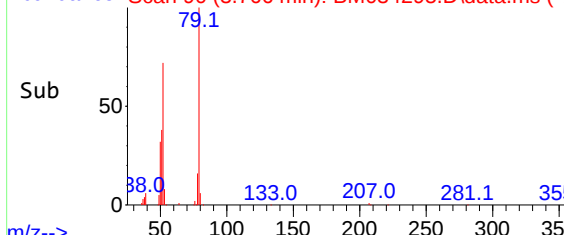
m/z-->

Abundance Scan 90 (3.766 min): BM034295.D\data.ms



m/z-->

Abundance Scan 90 (3.766 min): BM034295.D\data.ms (-73)



m/z-->

Tgt Ion: 79 Resp: 7604

Ion Ratio Lower Upper

79 100

52 72.2 56.1 84.1

51 47.2 30.4 45.6

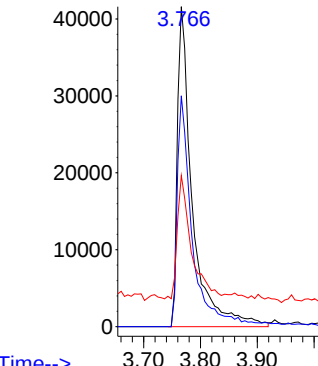
Manual Integrations

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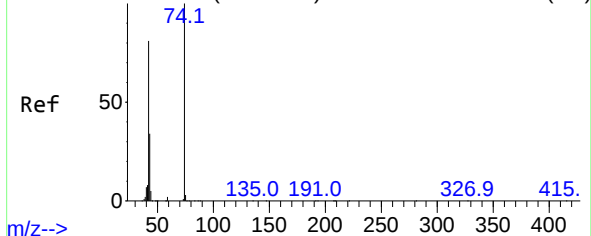
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Abundance

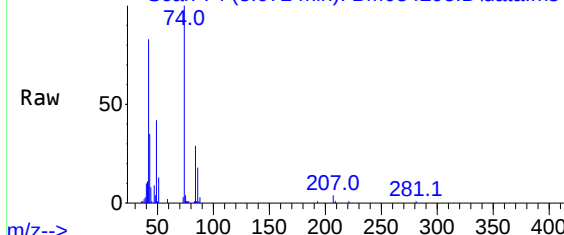


Abundance Scan 74 (3.672 min): BM034244.D\data.ms (-65)



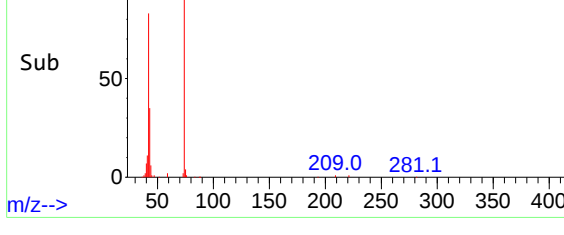
m/z-->

Abundance Scan 74 (3.672 min): BM034295.D\data.ms



m/z-->

Abundance Scan 74 (3.672 min): BM034295.D\data.ms (-57)



m/z-->

#4

n-Nitrosodimethylamine

Concen: 6.714 ng

RT: 3.672 min Scan# 74

Delta R.T. -0.000 min

Lab File: BM034295.D

Acq: 21 Mar 2022 19:29

Tgt Ion: 42 Resp: 39116

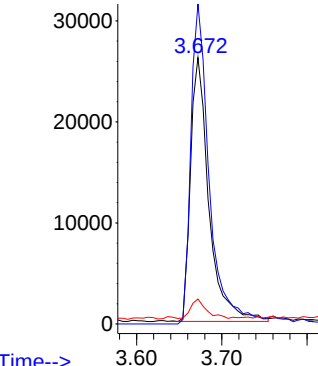
Ion Ratio Lower Upper

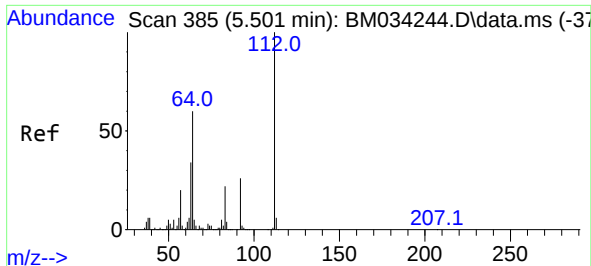
42 100

74 120.1 99.3 148.9

44 9.4 5.0 7.6

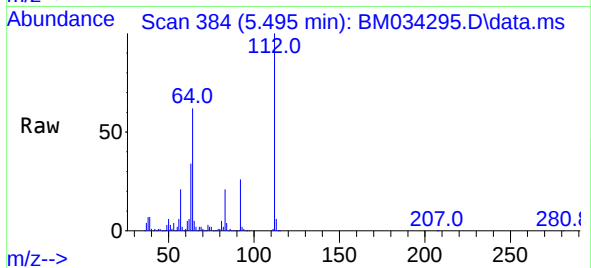
Abundance





#5
2-Fluorophenol
Concen: 109.675 ng
RT: 5.495 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

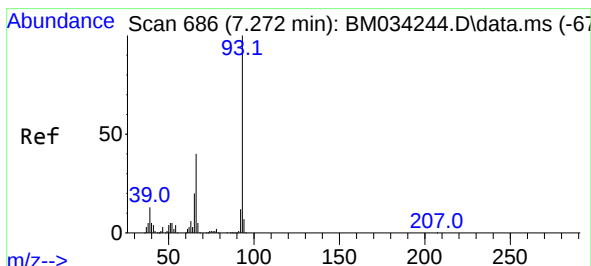
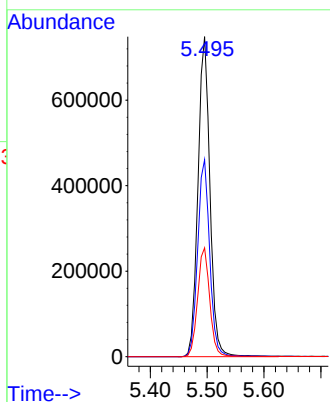
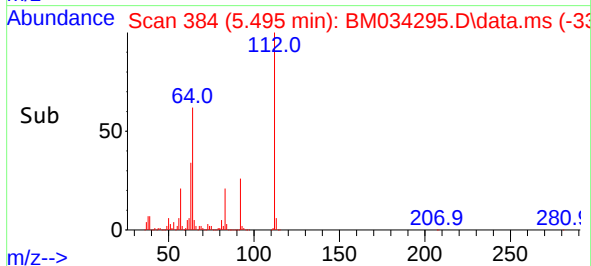
Instrument :
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Tgt Ion:112 Resp: 1099118
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 34.0 27.1 40.7

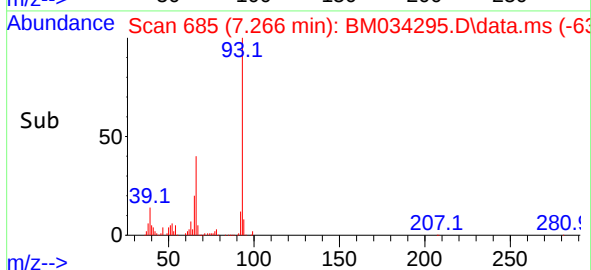
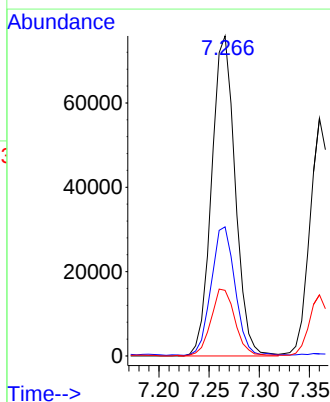
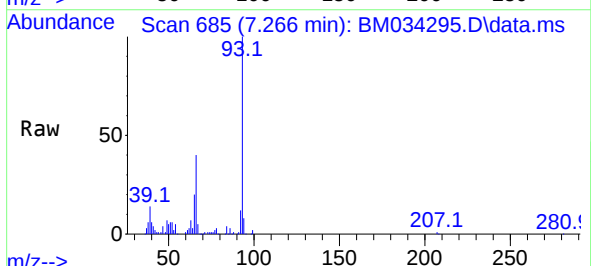
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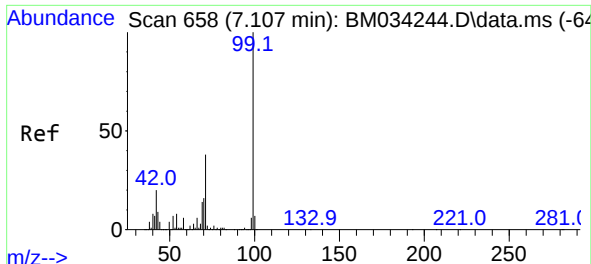
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#6
Aniline
Concen: 7.552 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

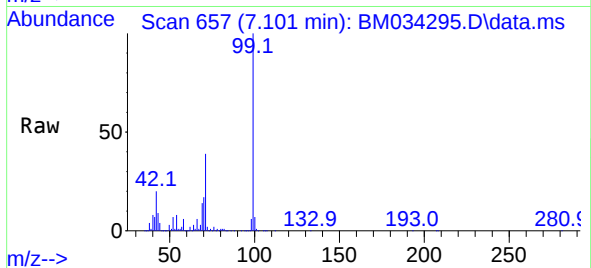
Tgt Ion: 93 Resp: 123830
Ion Ratio Lower Upper
93 100
66 40.4 31.9 47.9
65 20.5 16.2 24.4





#7
Phenol-d6
Concen: 111.746 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

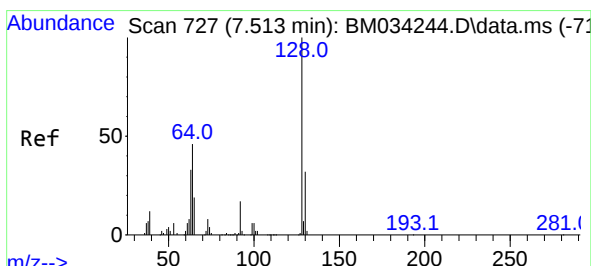
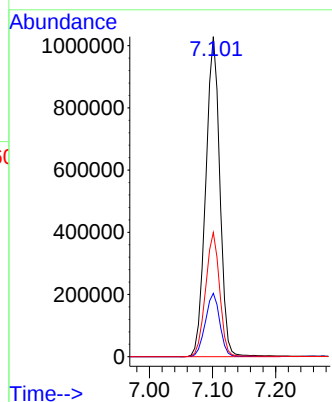
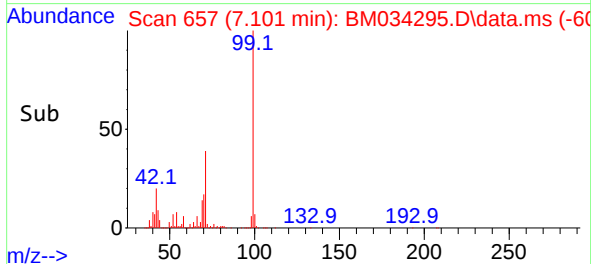
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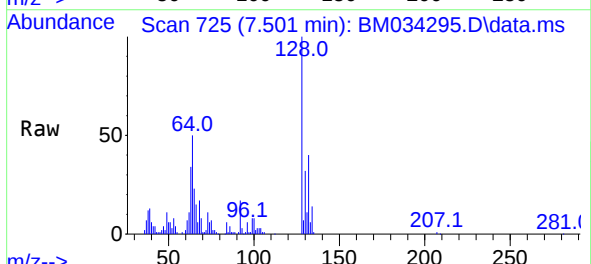
Tgt Ion: 99 Resp: 160340
Ion Ratio Lower Upper
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42 19.8 15.6 23.4
71 38.8 30.6 46.0

Manual Integrations
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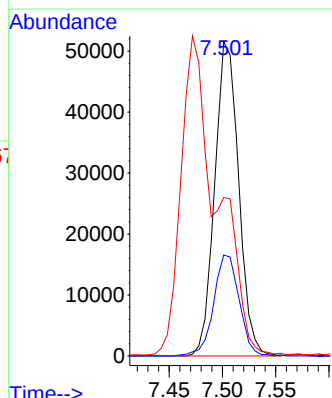
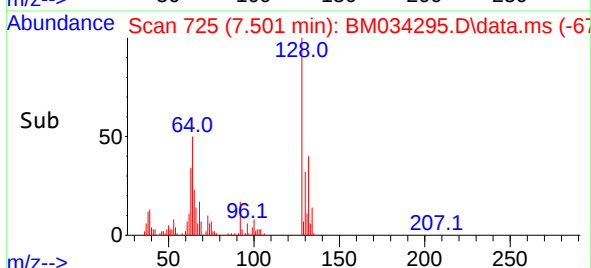
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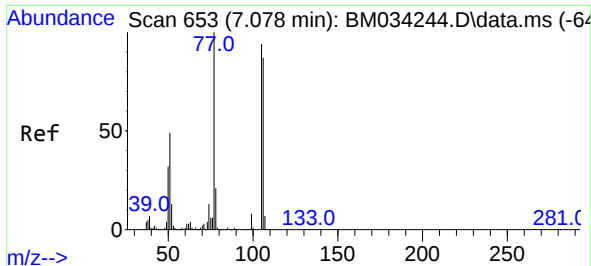


#8
2-Chlorophenol
Concen: 6.872 ng
RT: 7.501 min Scan# 725
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



Tgt Ion:128 Resp: 80549
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 50.4 28.1 68.1





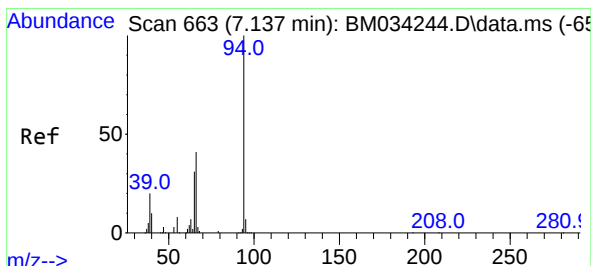
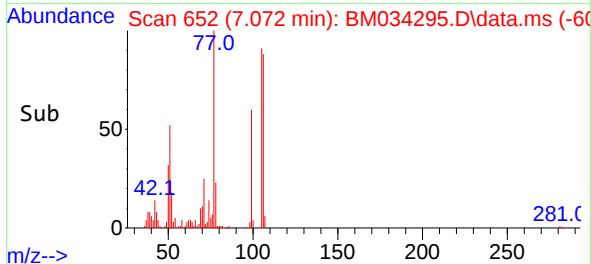
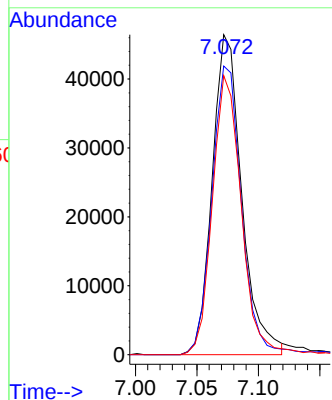
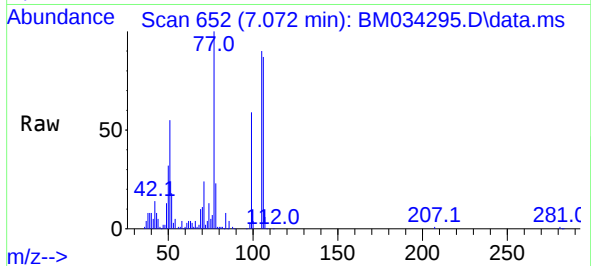
#9
Benzaldehyde
Concen: 10.042 ng m
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 77 Resp: 77628
Ion Ratio Lower Upper
77 100
105 90.2 73.9 113.9
106 87.2 67.2 107.2

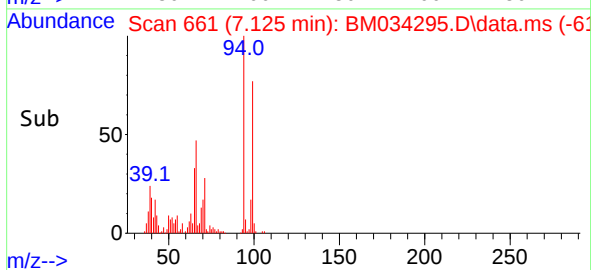
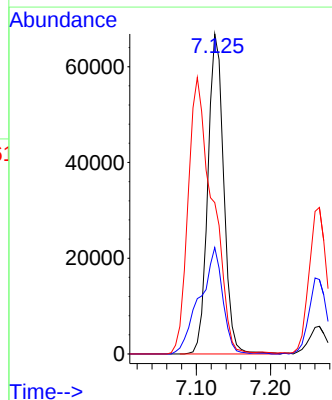
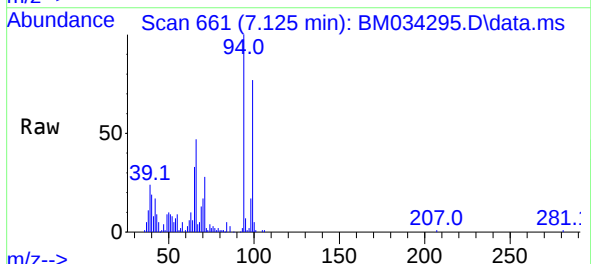
Manual Integrations
APPROVED

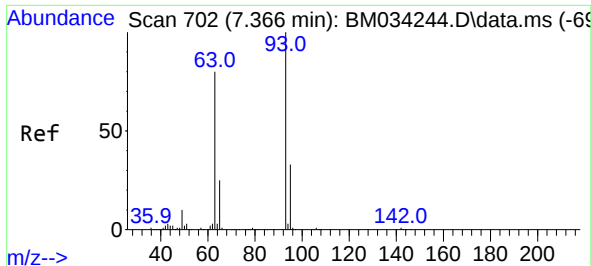
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#10
Phenol
Concen: 6.971 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion: 94 Resp: 99487
Ion Ratio Lower Upper
94 100
65 33.3 10.9 50.9
66 47.3 22.0 62.0





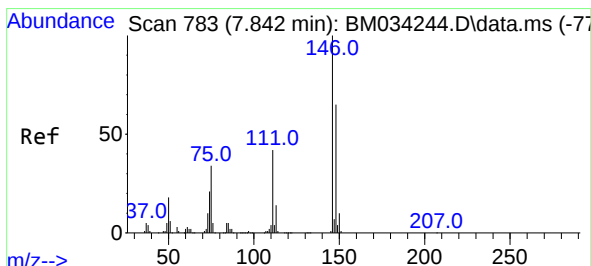
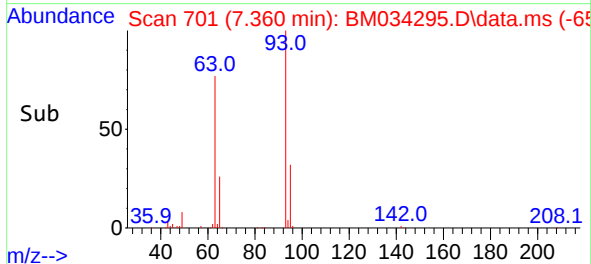
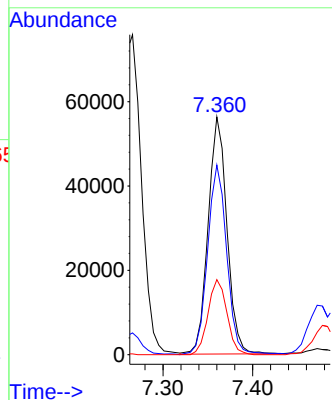
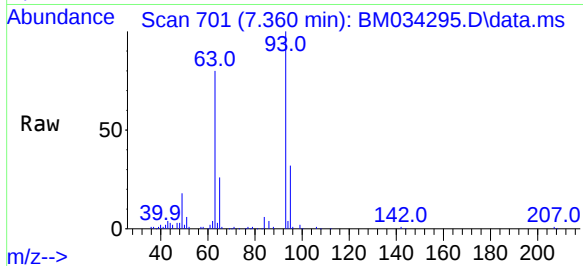
#11
bis(2-Chloroethyl)ether
Concen: 7.004 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 93 Resp: 8204
Ion Ratio Lower Upper
93 100
63 79.8 59.6 99.6
95 31.5 12.6 52.6

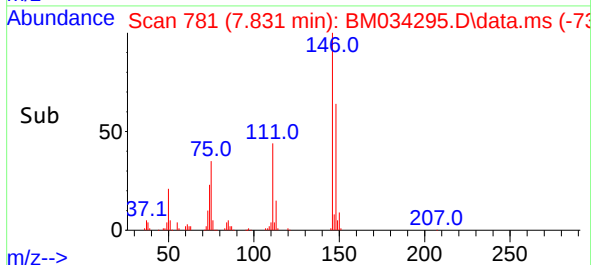
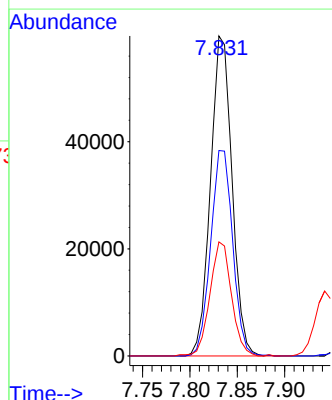
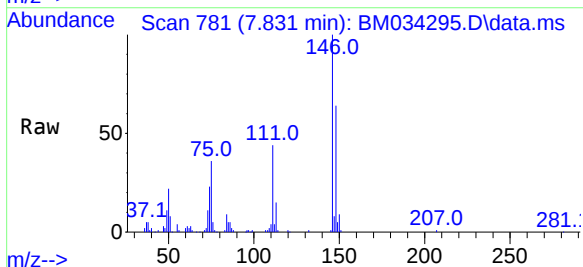
Manual Integrations
APPROVED

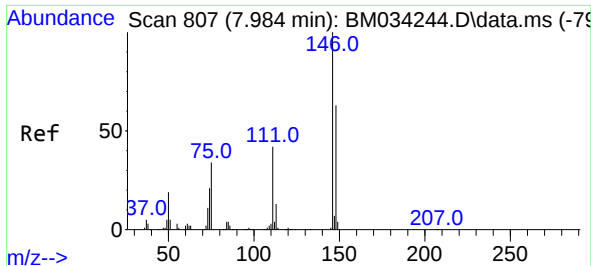
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#12
1,3-Dichlorobenzene
Concen: 7.095 ng
RT: 7.831 min Scan# 781
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

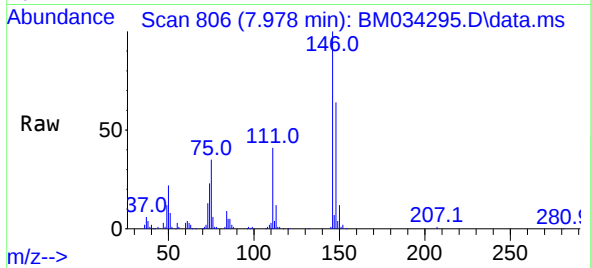
Tgt Ion:146 Resp: 94337
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.8
75 35.7 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 7.053 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

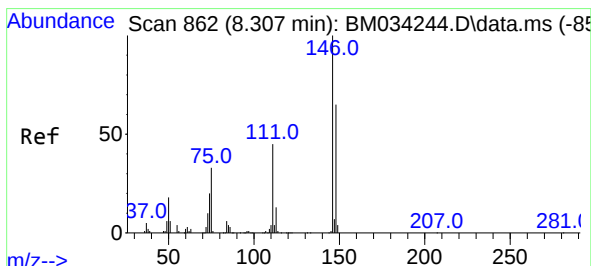
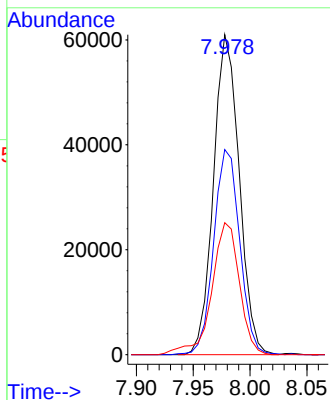
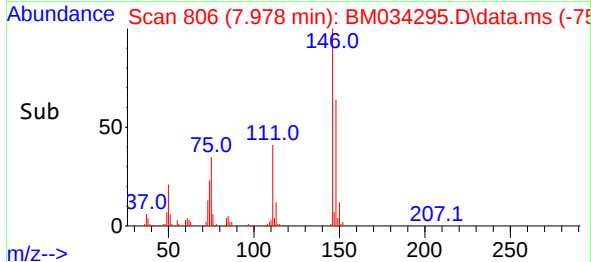
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



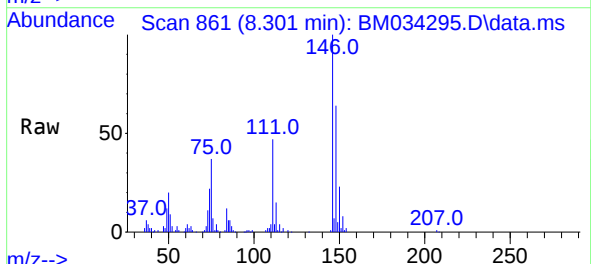
Tgt Ion:146 Resp: 9601
Ion Ratio Lower Upper
146 100
148 64.1 50.6 76.0
111 41.2 34.0 51.0

Manual Integrations
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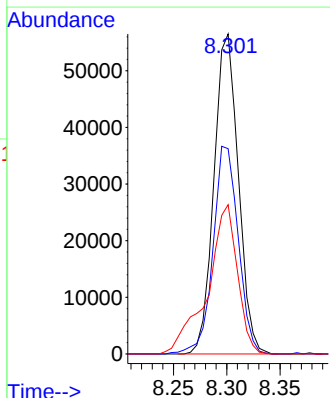
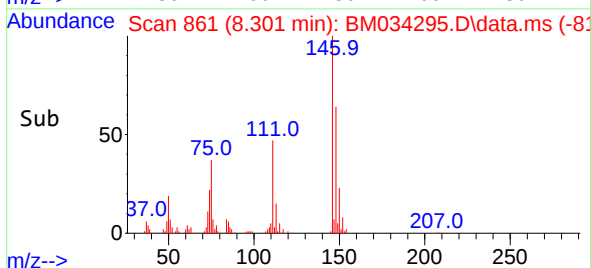
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

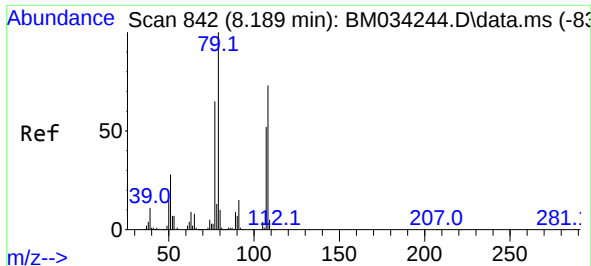


#14
1,2-Dichlorobenzene
Concen: 6.765 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



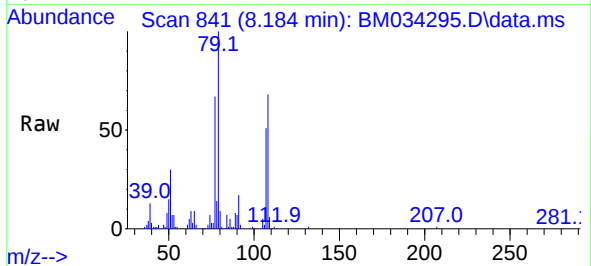
Tgt Ion:146 Resp: 89762
Ion Ratio Lower Upper
146 100
148 64.2 52.2 78.4
111 46.6 35.8 53.8





#15
Benzyl Alcohol
Concen: 6.319 ng
RT: 8.184 min Scan# 84
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

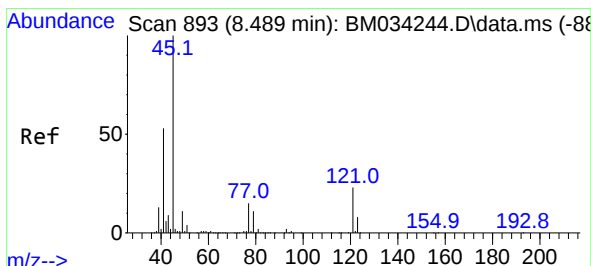
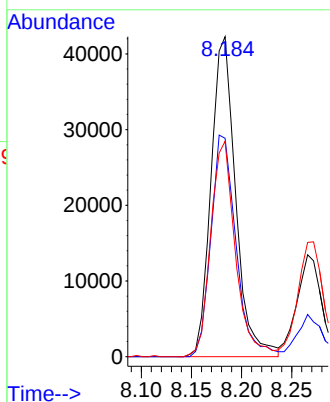
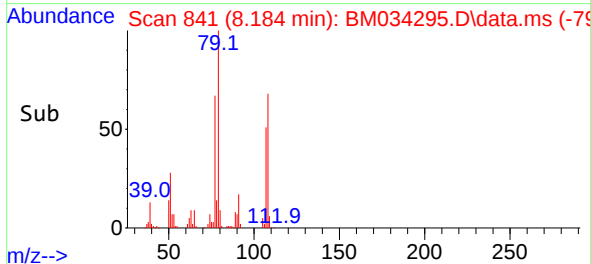
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



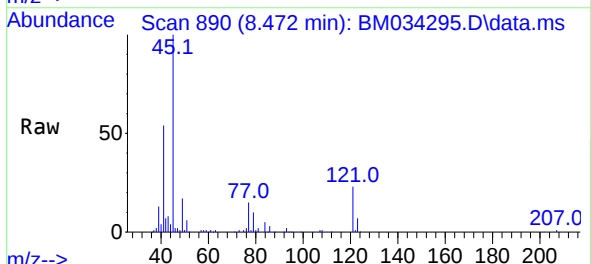
Tgt Ion: 79 Resp: 7216
Ion Ratio Lower Upper
79 100
108 68.2 58.1 87.1
77 67.3 51.8 77.6

Manual Integrations
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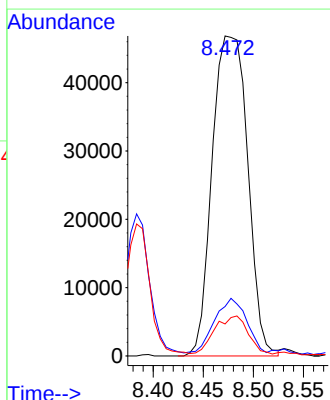
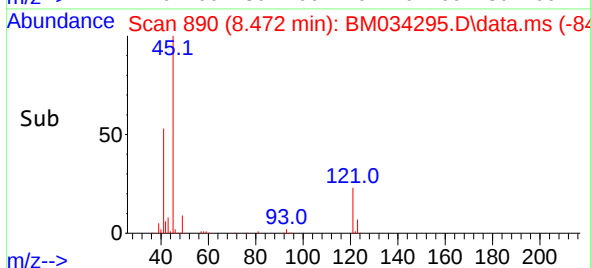
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

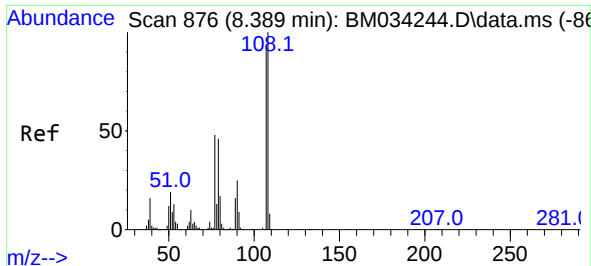


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.189 ng
RT: 8.472 min Scan# 890
Delta R.T. -0.018 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



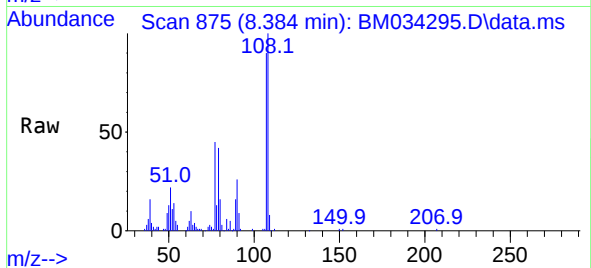
Tgt Ion: 45 Resp: 115552
Ion Ratio Lower Upper
45 100
77 15.4 0.0 35.7
79 10.0 0.0 31.7





#17
2-Methylphenol
Concen: 6.449 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

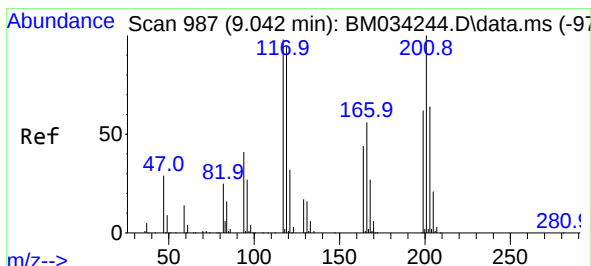
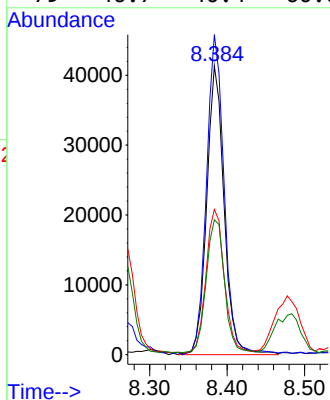
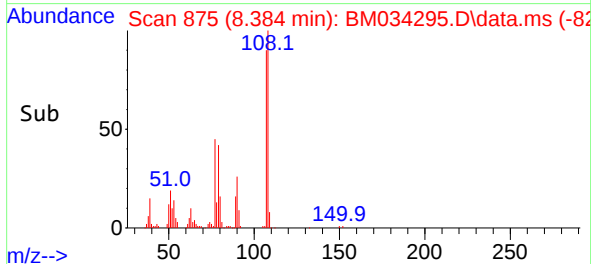


Tgt Ion:107 Resp: 6445

Ion	Ratio	Lower	Upper
107	100		
108	110.8	87.3	130.9
77	50.3	41.6	62.4
79	46.7	40.4	60.6

Manual Integrations
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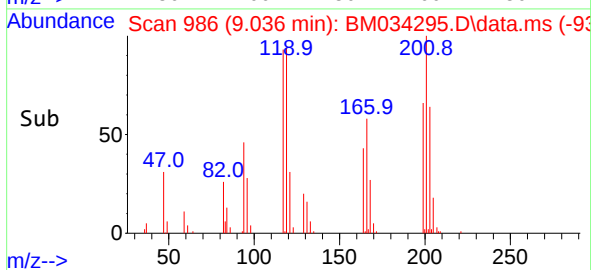
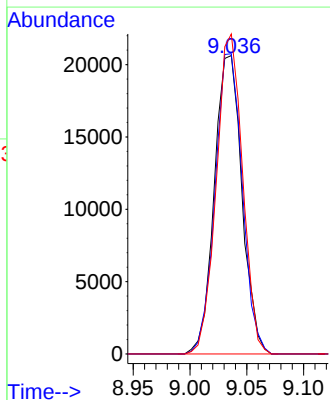
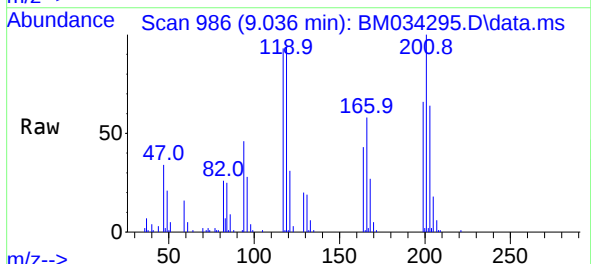
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

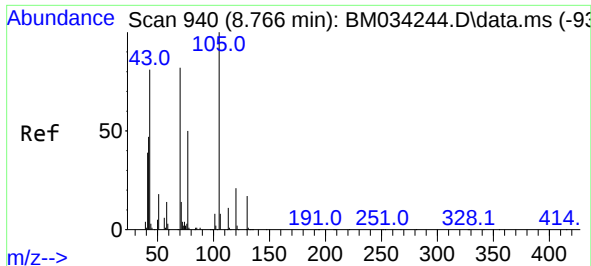


#18
Hexachloroethane
Concen: 6.948 ng
RT: 9.036 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion:117 Resp: 34880

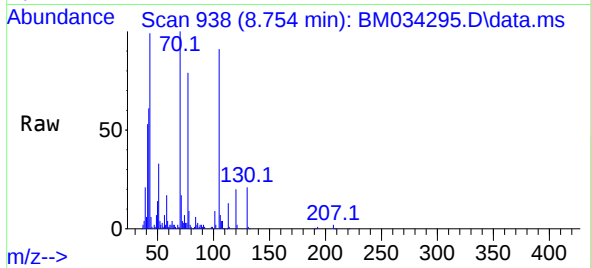
Ion	Ratio	Lower	Upper
117	100		
119	100.5	77.4	116.0
201	107.2	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 6.893 ng
RT: 8.754 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

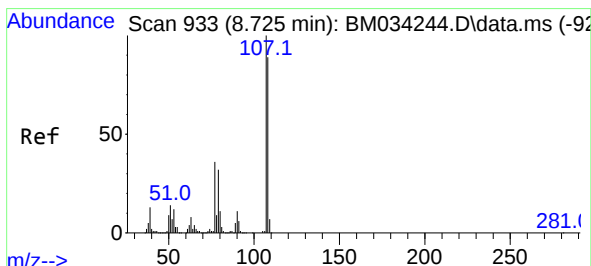
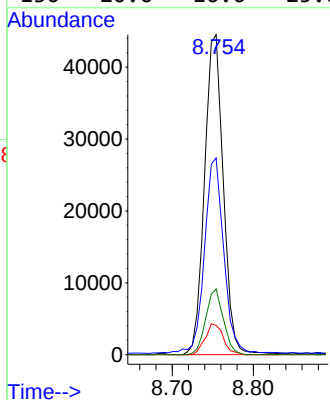
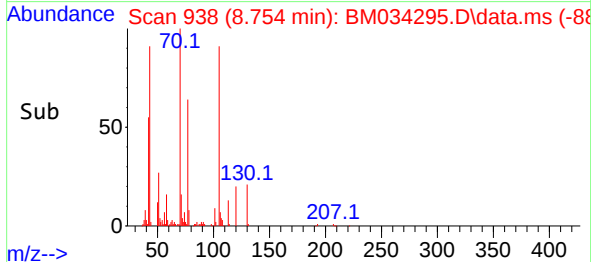
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



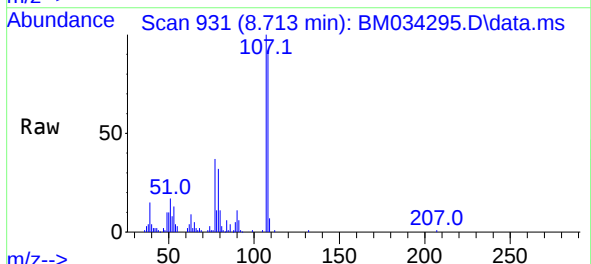
Tgt Ion: 70 Resp: 71544
Ion Ratio Lower Upper
70 100
42 61.4 46.7 70.1
101 9.2 7.8 11.6
130 20.6 16.6 25.0

Manual Integrations
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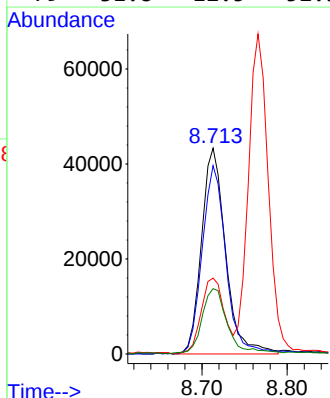
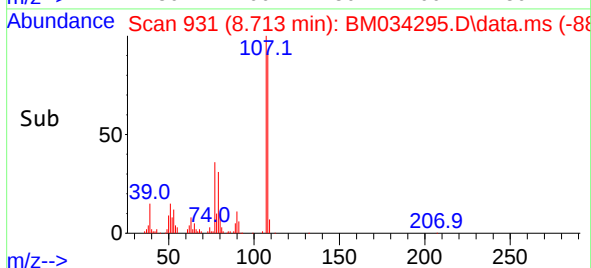
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

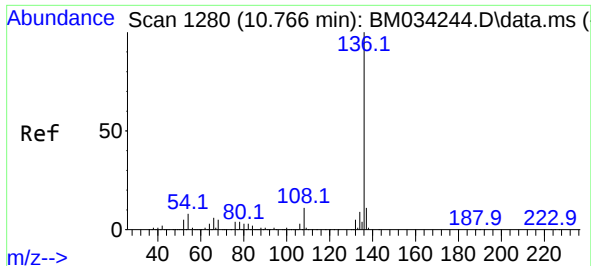


#20
3+4-Methylphenols
Concen: 6.159 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



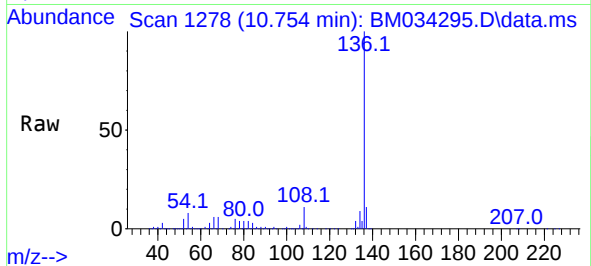
Tgt Ion:107 Resp: 85130
Ion Ratio Lower Upper
107 100
108 91.5 69.2 109.2
77 36.9 16.5 56.5
79 31.8 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

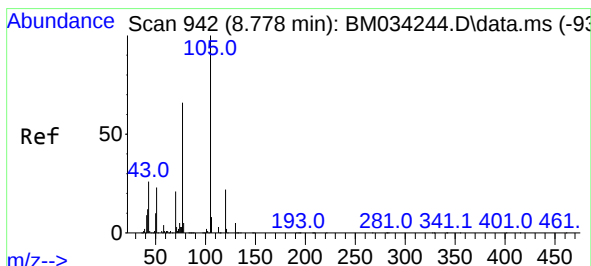
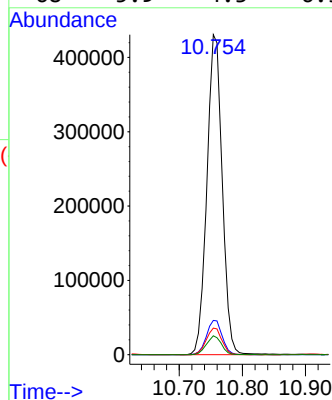
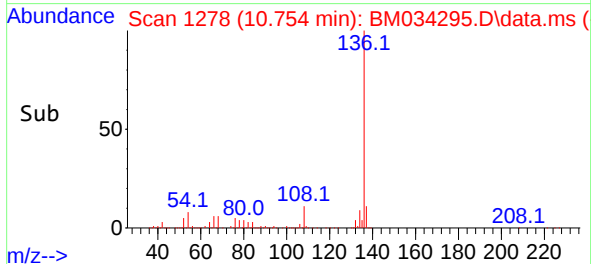
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



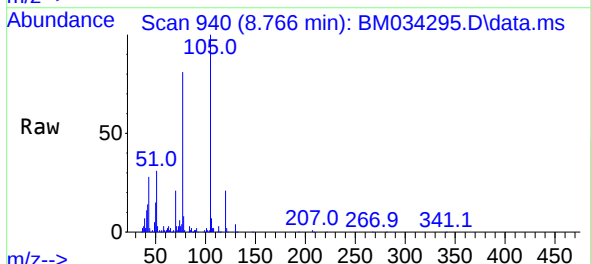
Tgt Ion:136 Resp: 726698
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 6.2 9.4
68 5.9 4.3 6.5

Manual Integrations
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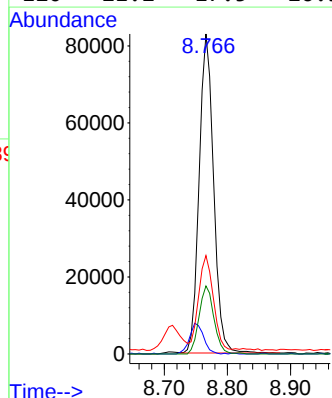
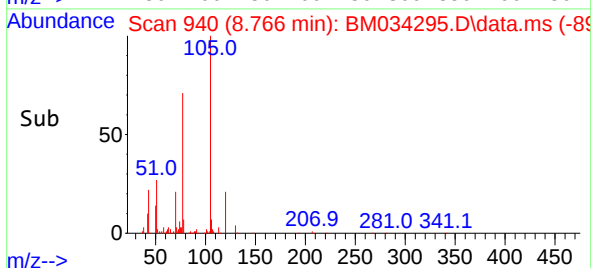
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

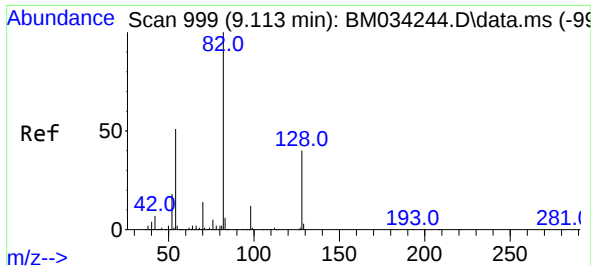


#22
Acetophenone
Concen: 7.058 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



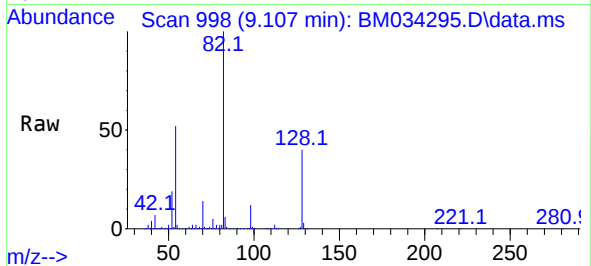
Tgt Ion:105 Resp: 131622
Ion Ratio Lower Upper
105 100
71 3.4 3.0 4.4
51 30.7 22.6 33.8
120 21.2 17.5 26.3





#23
Nitrobenzene-d5
Concen: 81.588 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

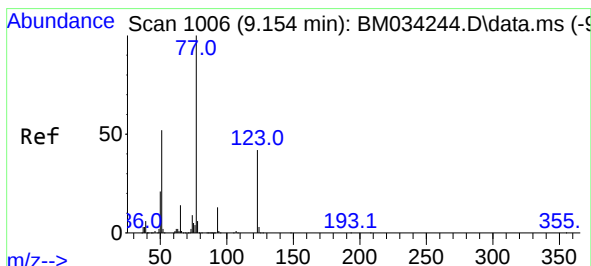
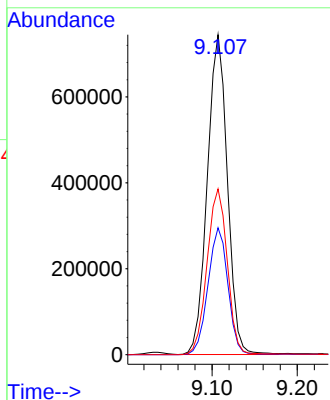
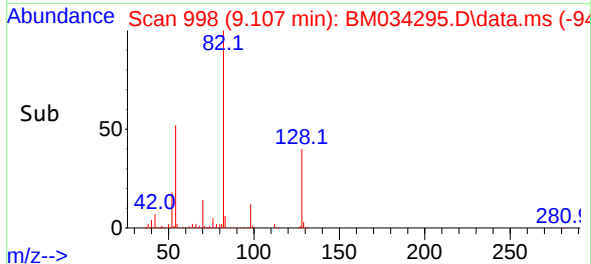
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



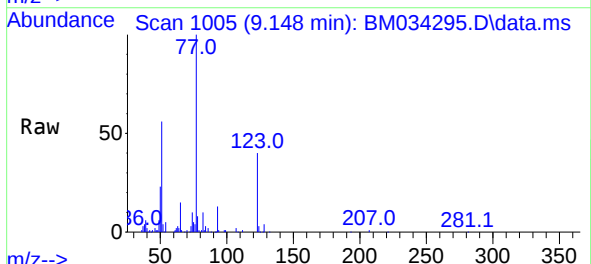
Tgt Ion: 82 Resp: 121778
Ion Ratio Lower Upper
82 100
128 39.6 31.9 47.9
54 51.8 40.6 61.0

Manual Integrations
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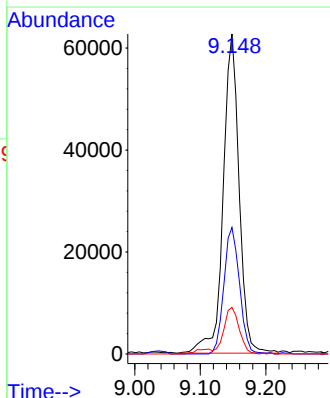
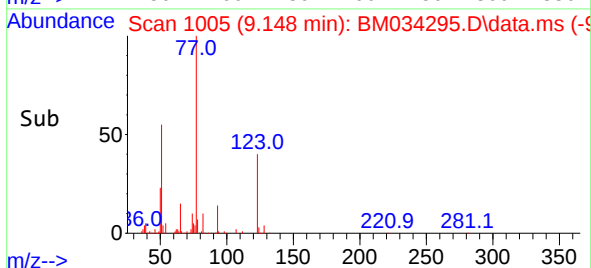
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

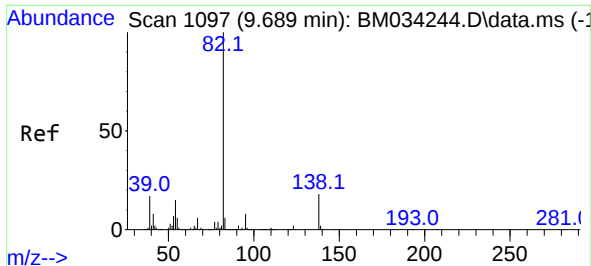


#24
Nitrobenzene
Concen: 7.578 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



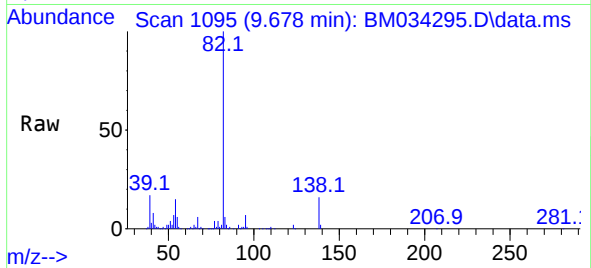
Tgt Ion: 77 Resp: 105598
Ion Ratio Lower Upper
77 100
123 39.5 33.3 49.9
65 14.5 11.0 16.4





#25
Isophorone
Concen: 7.618 ng
RT: 9.678 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

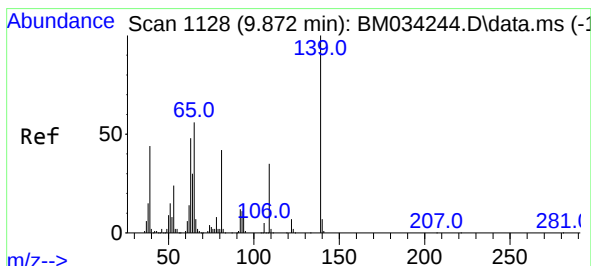
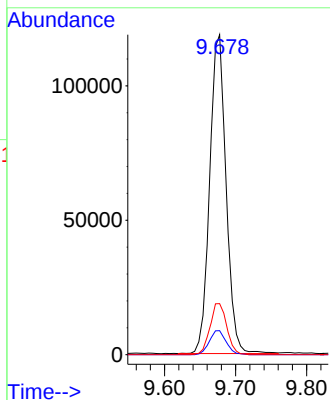
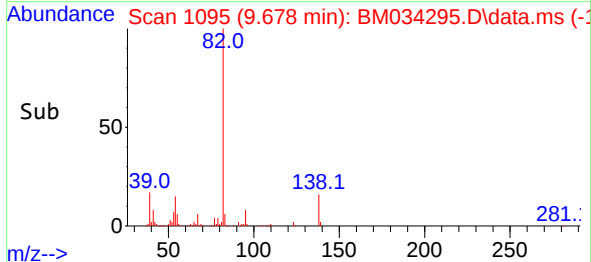
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



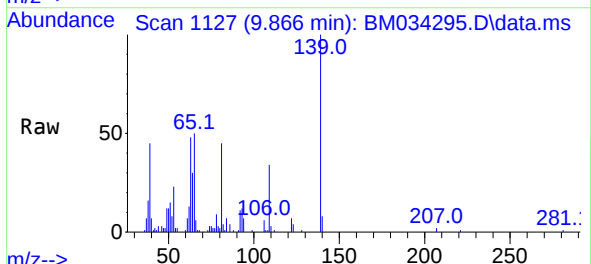
Tgt Ion: 82 Resp: 19026
Ion Ratio Lower Upper
82 100
95 7.5 6.6 9.8
138 15.9 14.4 21.6

Manual Integrations
APPROVED

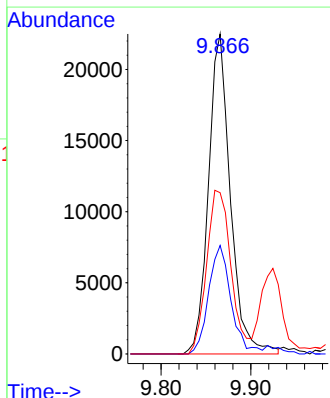
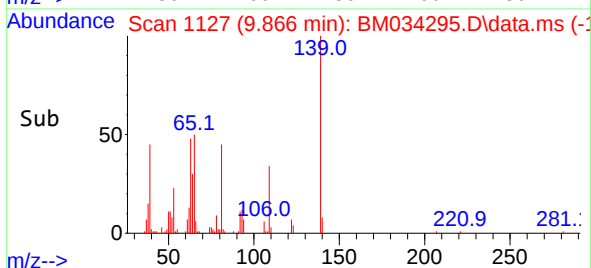
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

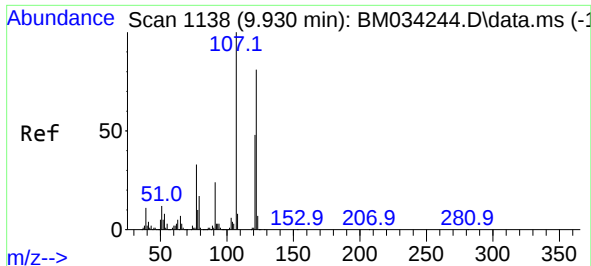


#26
2-Nitrophenol
Concen: 6.172 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



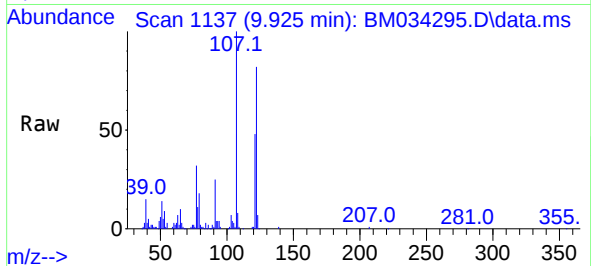
Tgt Ion:139 Resp: 38143
Ion Ratio Lower Upper
139 100
109 33.9 28.1 42.1
65 50.4 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 7.711 ng
RT: 9.925 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

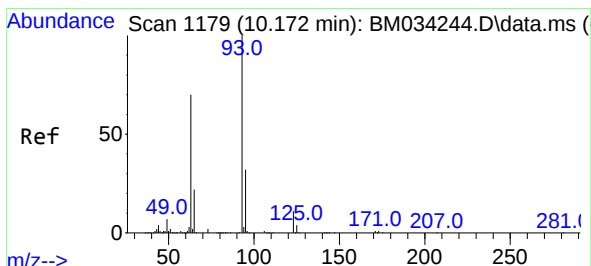
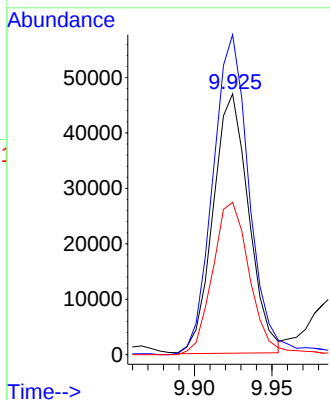
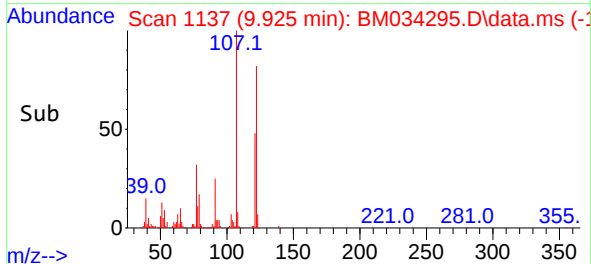
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



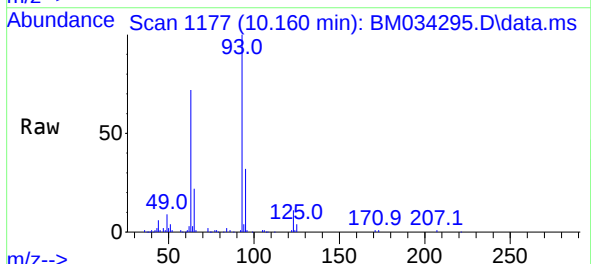
Tgt Ion:122 Resp: 74620
Ion Ratio Lower Upper
122 100
107 122.7 99.0 148.6
121 58.4 47.7 71.5

Manual Integrations
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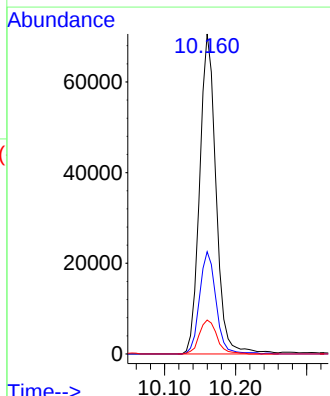
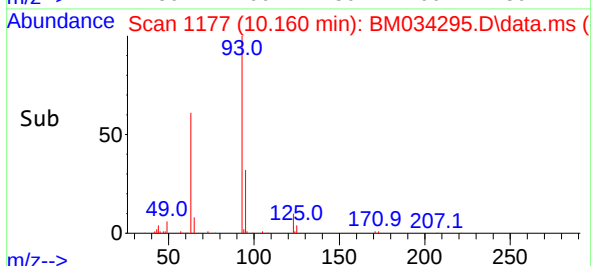
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

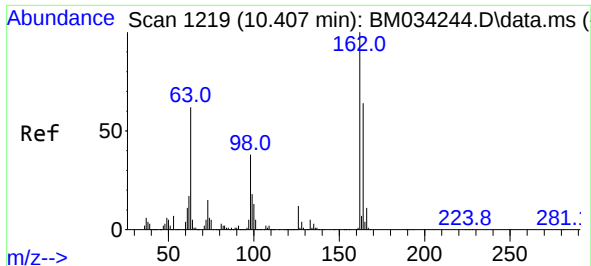


#28
bis(2-Chloroethoxy)methane
Concen: 7.101 ng
RT: 10.160 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



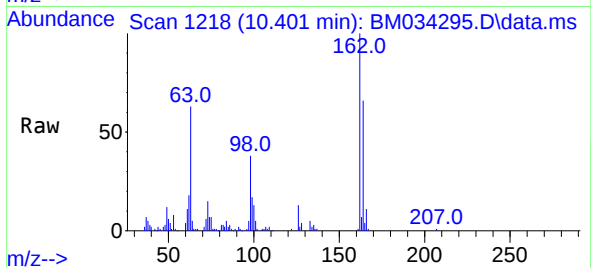
Tgt Ion: 93 Resp: 113546
Ion Ratio Lower Upper
93 100
95 31.9 26.0 39.0
123 10.6 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 6.269 ng
RT: 10.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

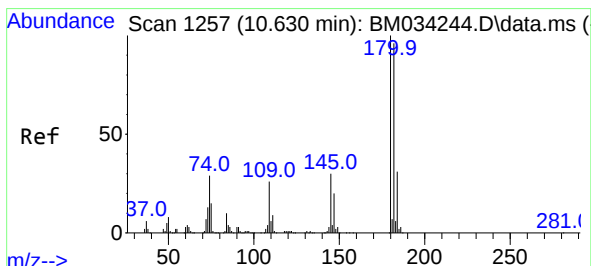
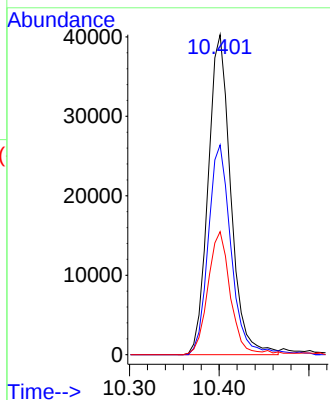
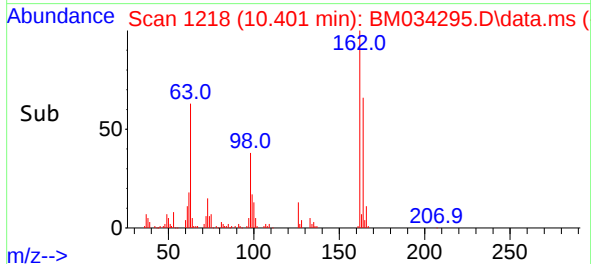
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:162 Resp: 70484
Ion Ratio Lower Upper
162 100
164 65.5 43.9 83.9
98 38.5 17.6 57.6

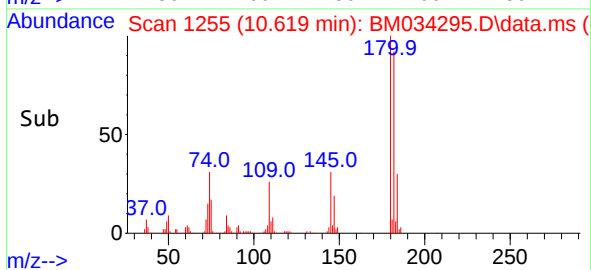
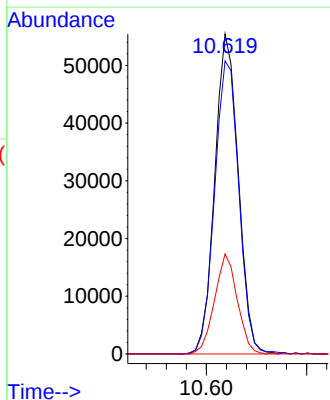
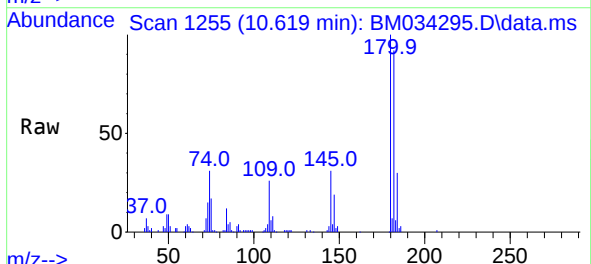
Manual Integrations
APPROVED

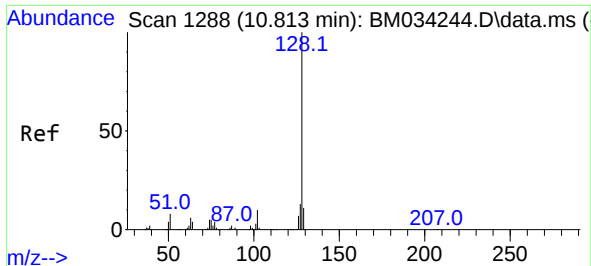
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#30
1,2,4-Trichlorobenzene
Concen: 7.057 ng
RT: 10.619 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

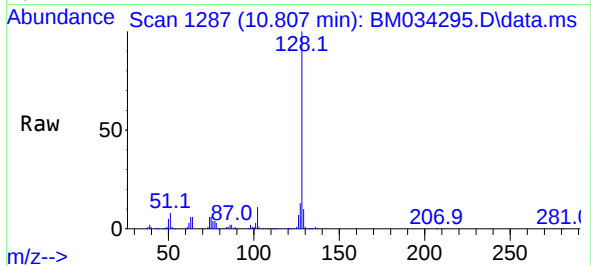
Tgt Ion:180 Resp: 90190
Ion Ratio Lower Upper
180 100
182 91.6 77.0 115.4
145 31.3 23.7 35.5





#31
Naphthalene
Concen: 7.189 ng
RT: 10.807 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

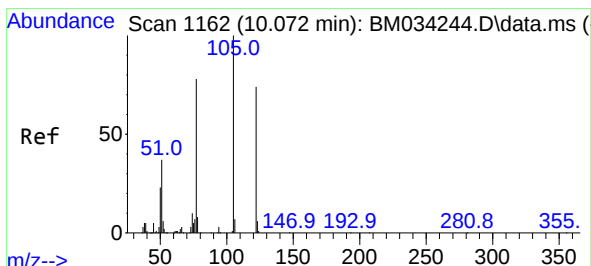
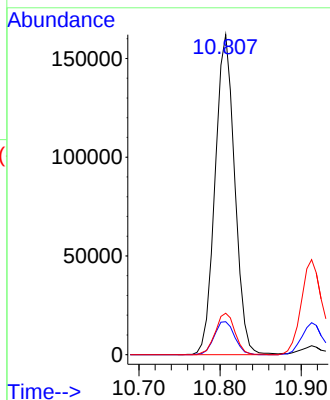
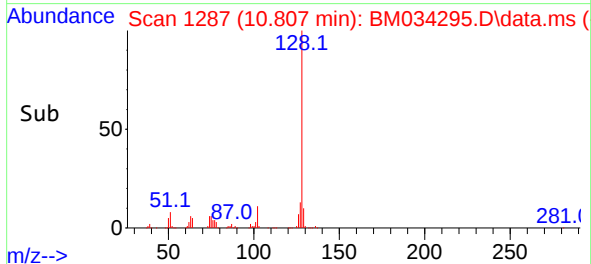
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:128 Resp: 27216
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 13.0 10.2 15.4

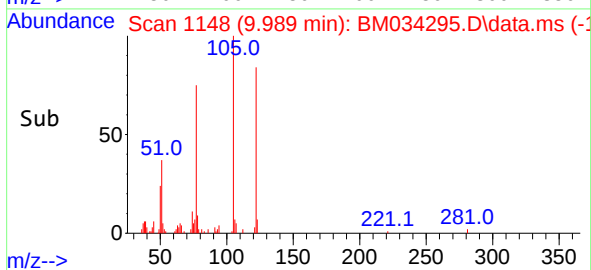
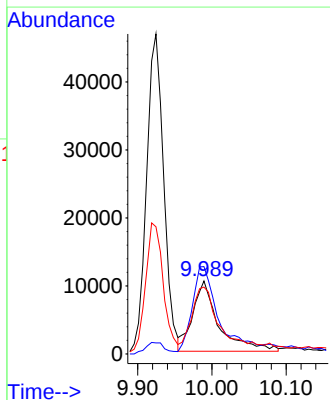
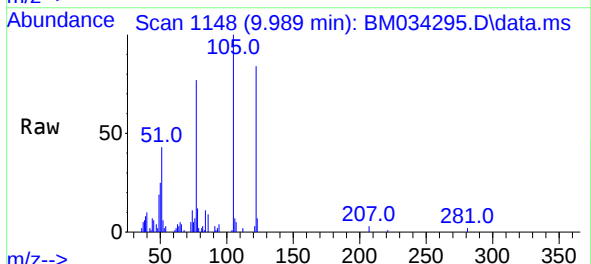
Manual Integrations
APPROVED

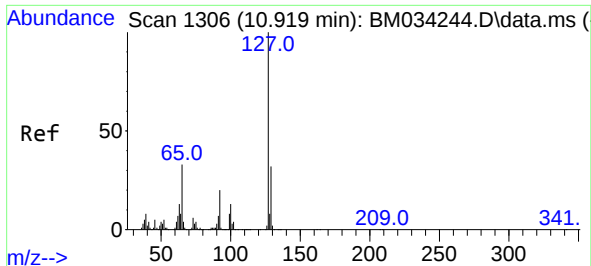
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#32
Benzoic acid
Concen: 3.178 ng m
RT: 9.989 min Scan# 1148
Delta R.T. -0.083 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

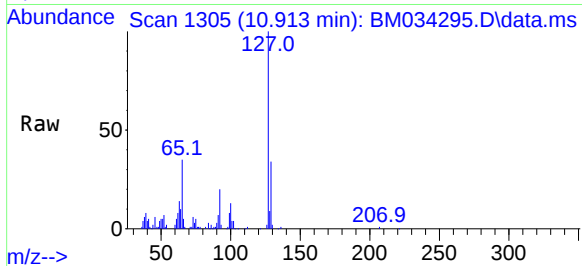
Tgt Ion:122 Resp: 25434
Ion Ratio Lower Upper
122 100
105 119.6 109.6 149.6
77 91.6 83.1 123.1





#33
4-Chloroaniline
Concen: 6.390 ng
RT: 10.913 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

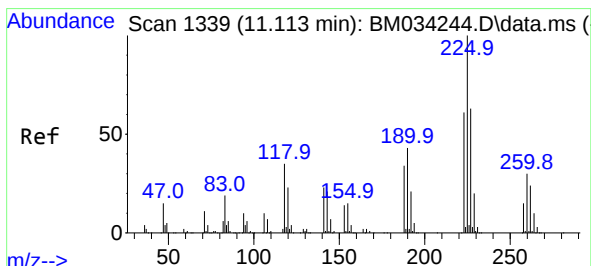
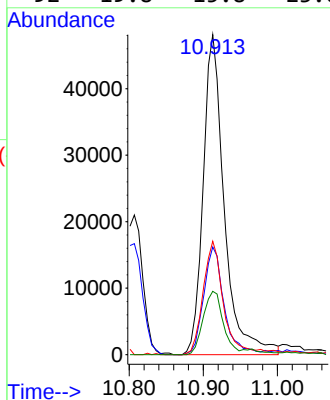
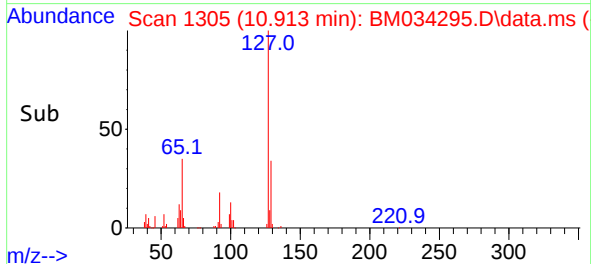
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:127 Resp: 95420
Ion Ratio Lower Upper
127 100
129 33.7 25.4 38.2
65 35.5 26.2 39.2
92 19.8 15.8 23.6

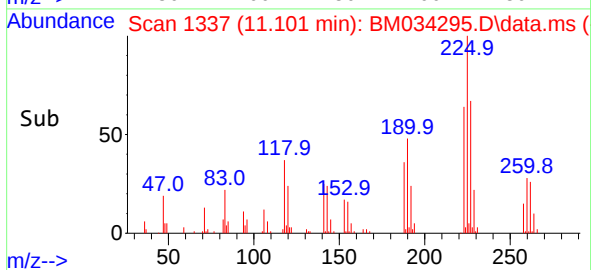
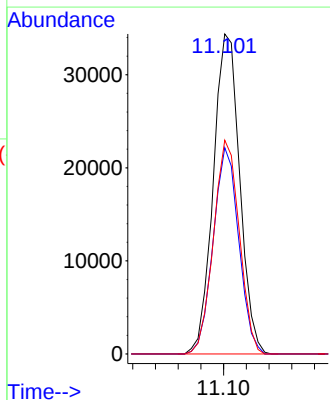
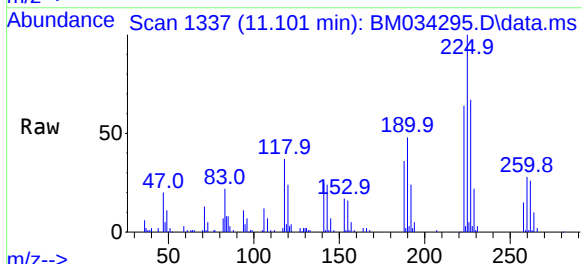
Manual Integrations
APPROVED

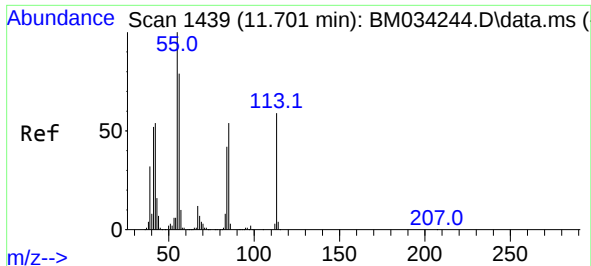
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#34
Hexachlorobutadiene
Concen: 6.865 ng
RT: 11.101 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

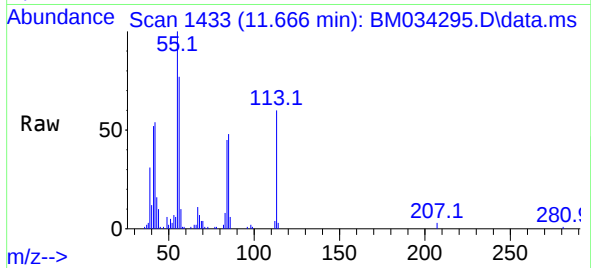
Tgt Ion:225 Resp: 55575
Ion Ratio Lower Upper
225 100
223 64.5 49.0 73.4
227 66.8 50.2 75.2





#35
Caprolactam
Concen: 6.369 ng
RT: 11.666 min Scan# 1433
Delta R.T. -0.035 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

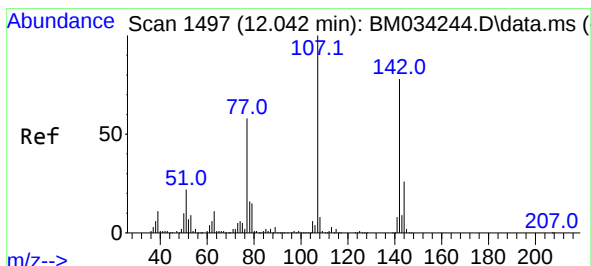
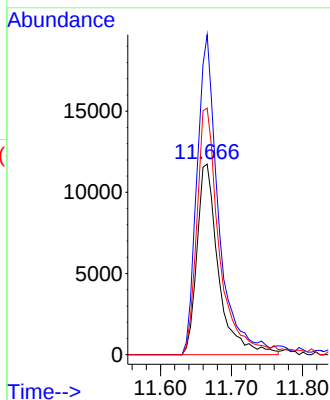
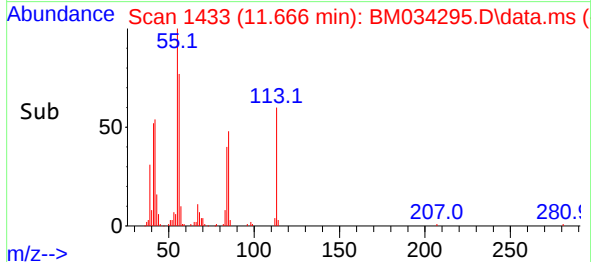
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



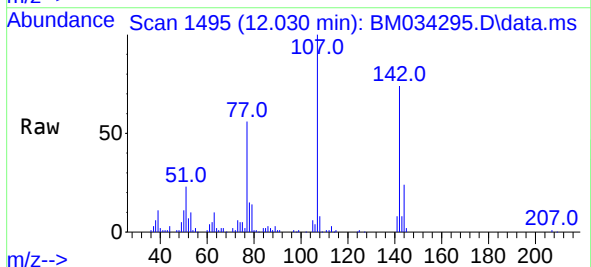
Tgt Ion:113 Resp: 24894
Ion Ratio Lower Upper
113 100
55 167.9 148.9 188.9
56 129.3 113.3 153.3

Manual Integrations
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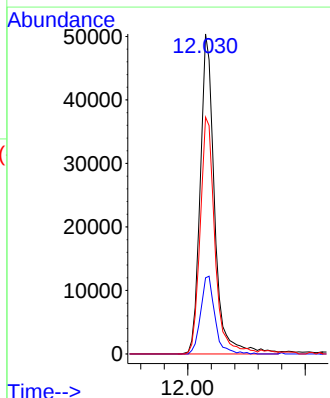
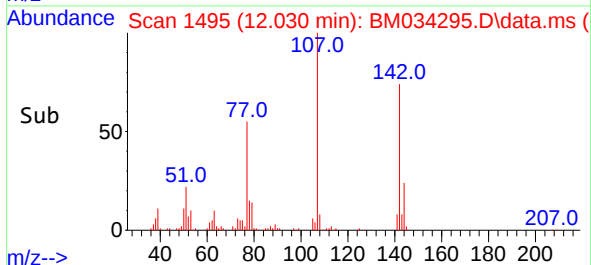
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

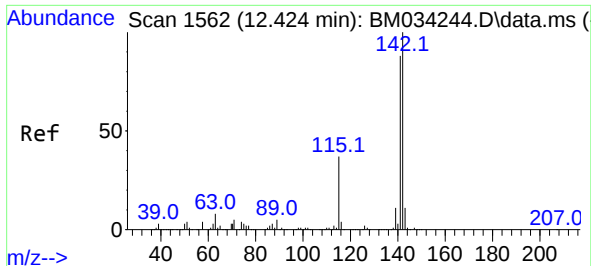


#36
4-Chloro-3-methylphenol
Concen: 6.648 ng
RT: 12.030 min Scan# 1495
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



Tgt Ion:107 Resp: 85654
Ion Ratio Lower Upper
107 100
144 23.8 20.8 31.2
142 74.0 62.7 94.1





#37

2-Methylnaphthalene

Concen: 7.116 ng

RT: 12.419 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BM034295.D

Acq: 21 Mar 2022 19:29

Instrument :

BNA_M

ClientSampleId :

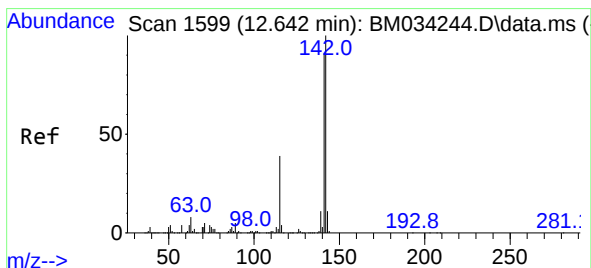
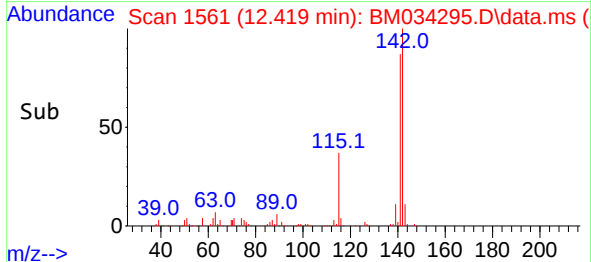
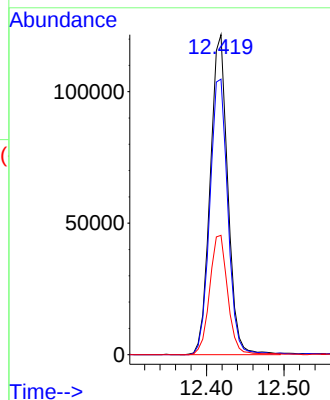
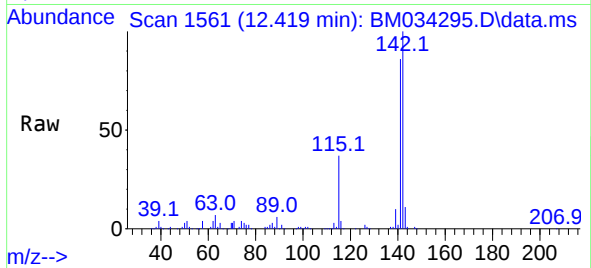
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:142	Resp: 192228
Ion Ratio	Lower Upper
142	100
141	86.1 70.1 105.1
115	37.3 29.9 44.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#38

1-Methylnaphthalene

Concen: 7.189 ng

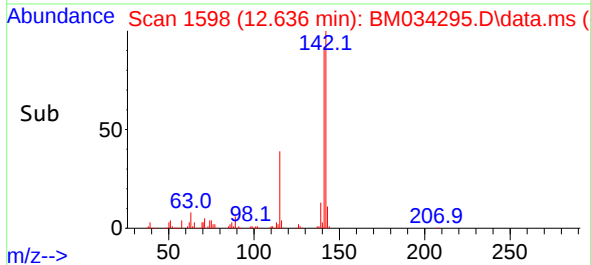
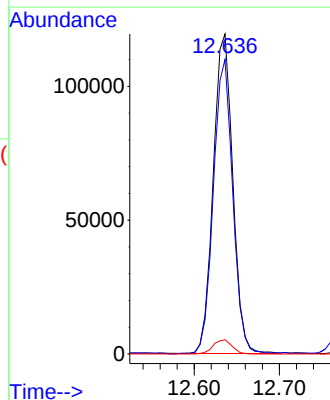
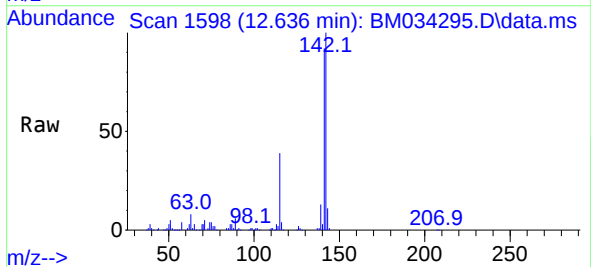
RT: 12.636 min Scan# 1598

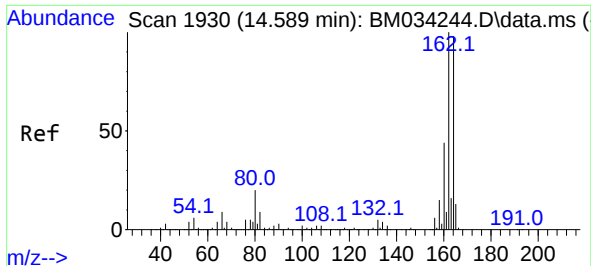
Delta R.T. -0.006 min

Lab File: BM034295.D

Acq: 21 Mar 2022 19:29

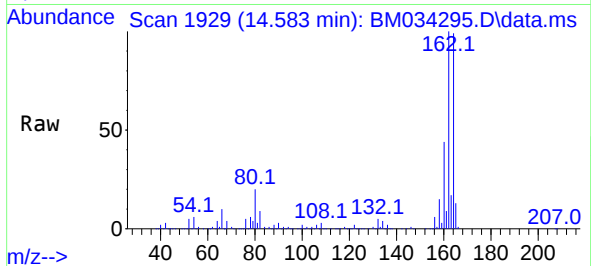
Tgt Ion:142	Resp: 189979
Ion Ratio	Lower Upper
142	100
141	92.1 73.0 109.6
116	4.5 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

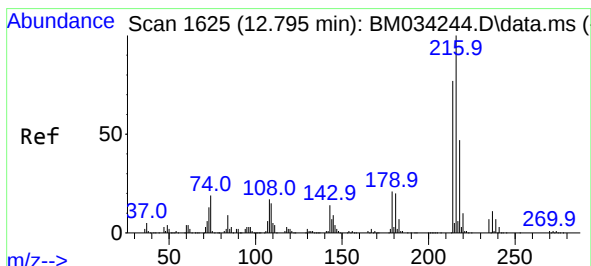
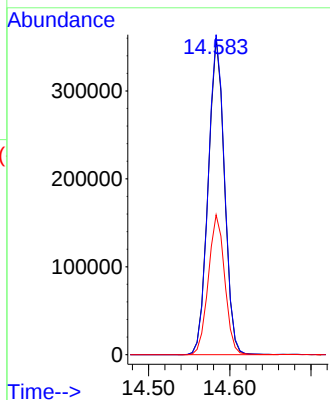
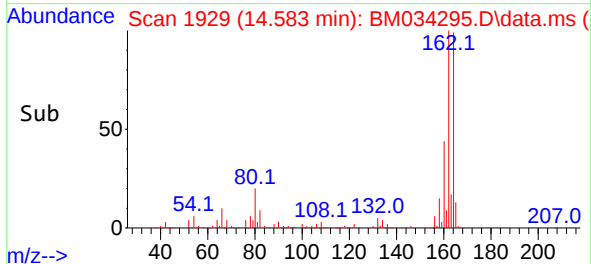
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



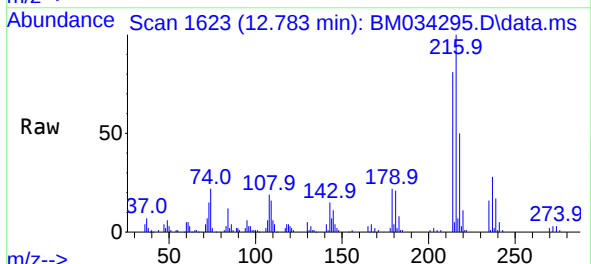
Tgt Ion:164 Resp: 499044
Ion Ratio Lower Upper
164 100
162 101.1 81.6 122.4
160 44.2 35.6 53.4

Manual Integrations
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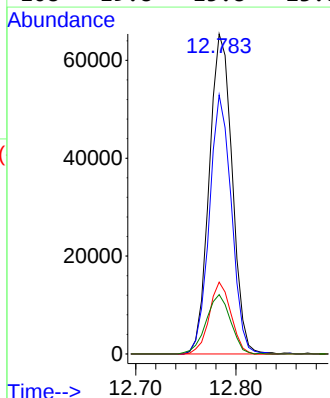
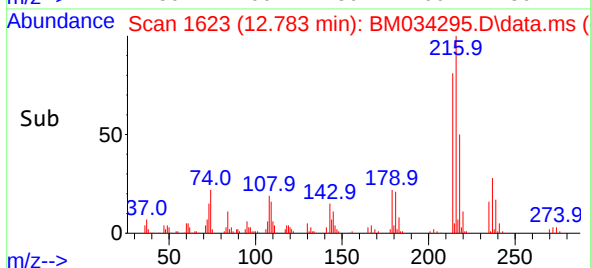
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

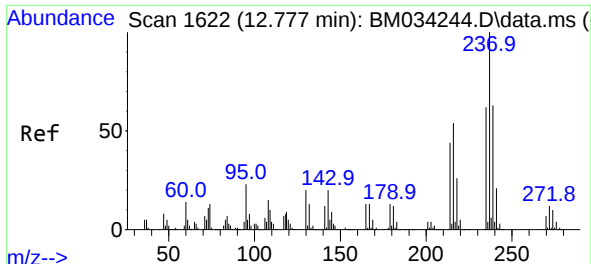


#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.910 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



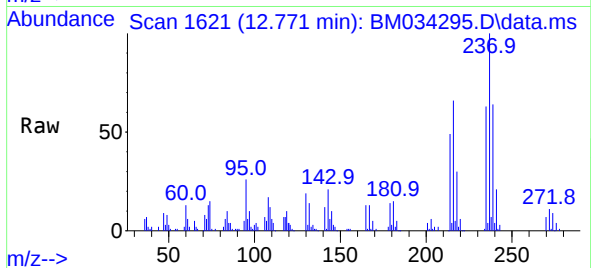
Tgt Ion:216 Resp: 104068
Ion Ratio Lower Upper
216 100
214 77.7 62.7 94.1
179 21.2 17.2 25.8
108 19.8 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 7.559 ng
RT: 12.771 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

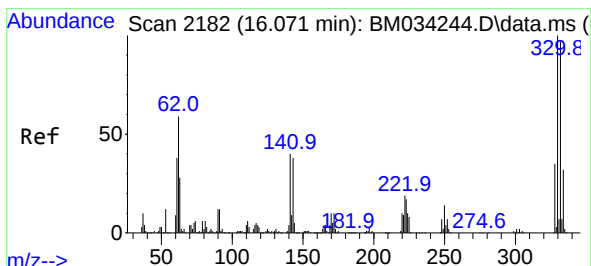
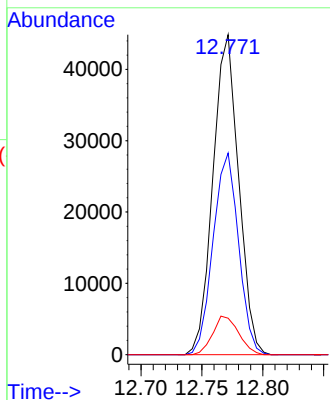
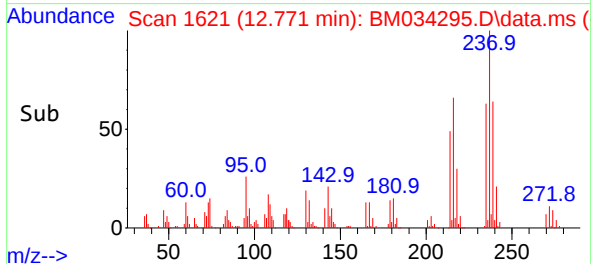
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



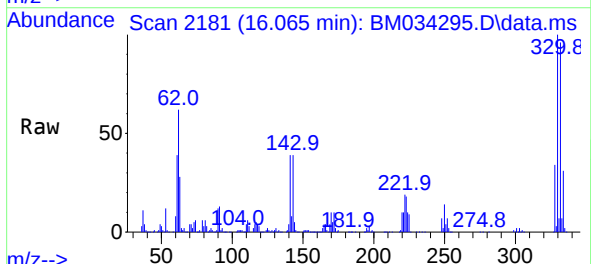
Tgt Ion:237 Resp: 6591
Ion Ratio Lower Upper
237 100
235 63.0 42.1 82.1
272 11.4 0.0 32.3

Manual Integrations
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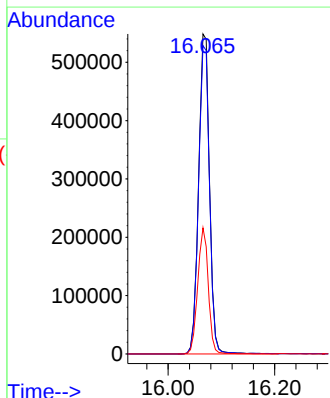
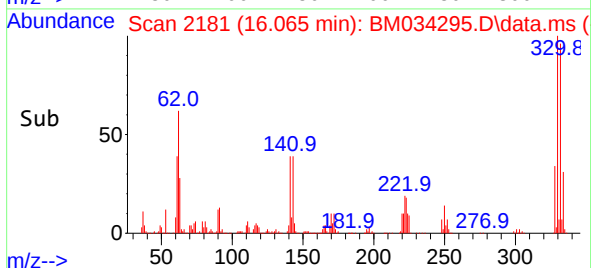
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

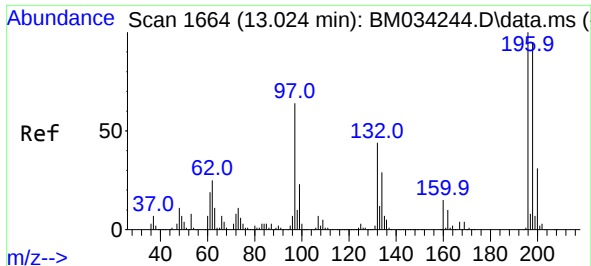


#42
2,4,6-Tribromophenol
Concen: 115.662 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



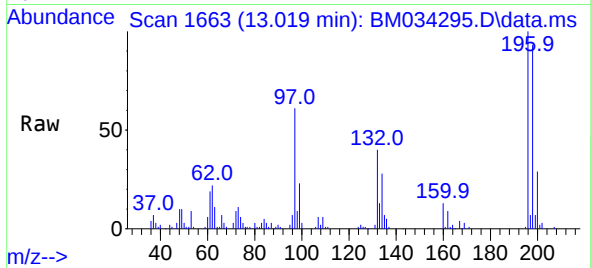
Tgt Ion:330 Resp: 777996
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.4
141 38.3 30.6 45.8





#43
2,4,6-Trichlorophenol
Concen: 6.016 ng
RT: 13.019 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

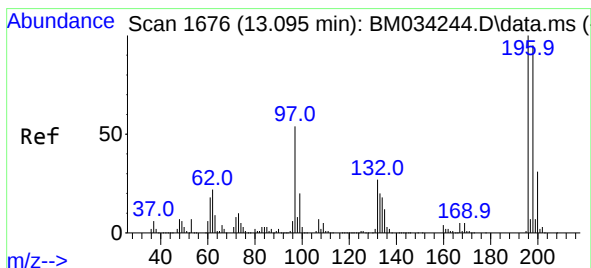
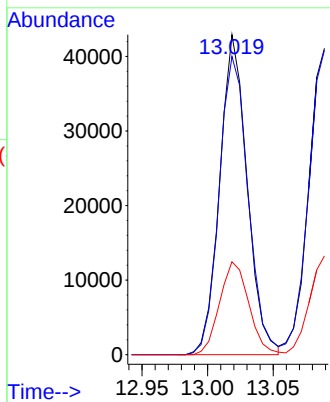
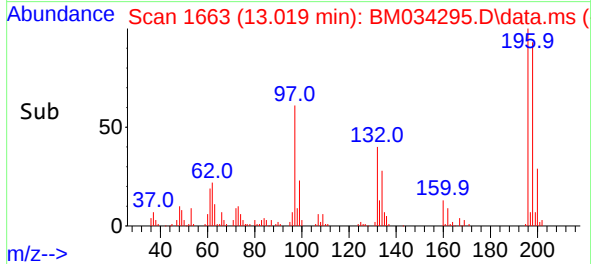
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



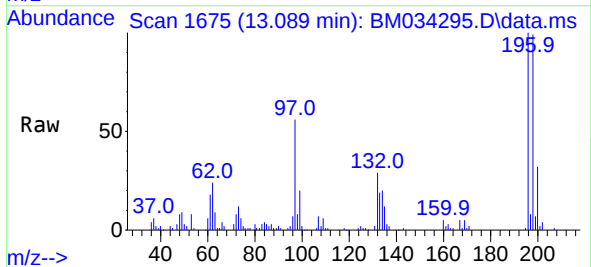
Tgt Ion:196 Resp: 62550
Ion Ratio Lower Upper
196 100
198 93.2 76.1 114.1
200 29.0 24.9 37.3

Manual Integrations
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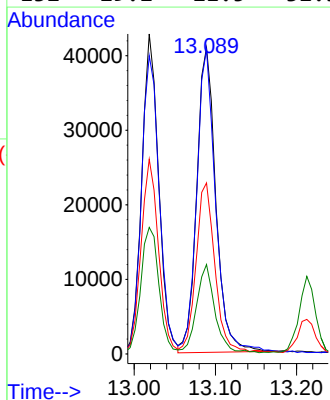
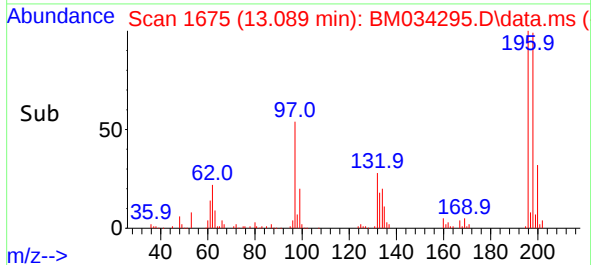
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

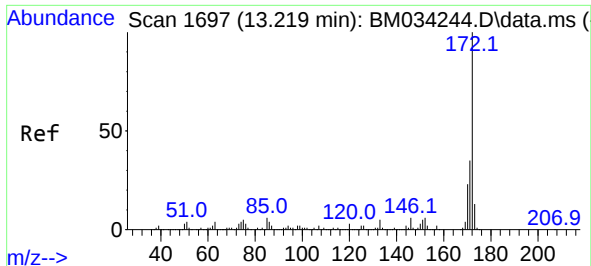


#44
2,4,5-Trichlorophenol
Concen: 5.994 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



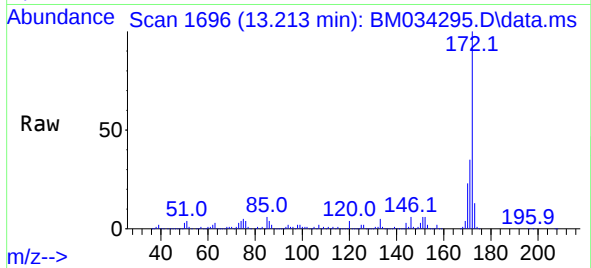
Tgt Ion:196 Resp: 66892
Ion Ratio Lower Upper
196 100
198 99.4 75.9 113.9
97 55.8 43.2 64.8
132 29.2 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 79.291 ng
RT: 13.213 min Scan# 1697
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

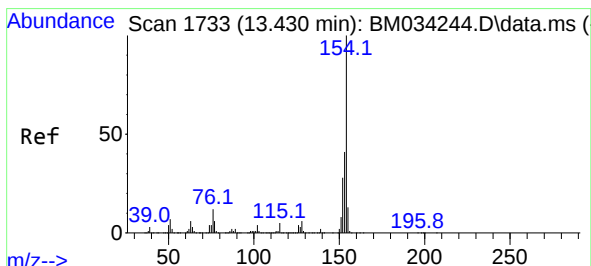
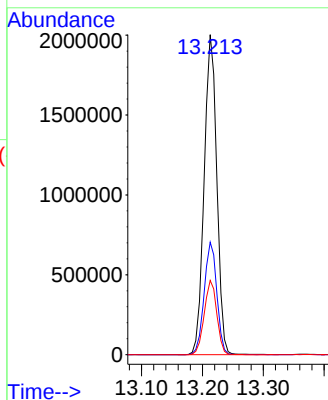
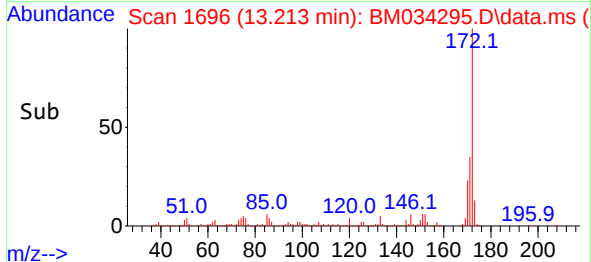
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



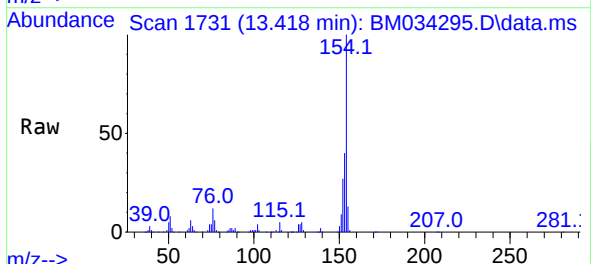
Tgt Ion:172 Resp: 289571
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.2 18.6 28.0

Manual Integrations
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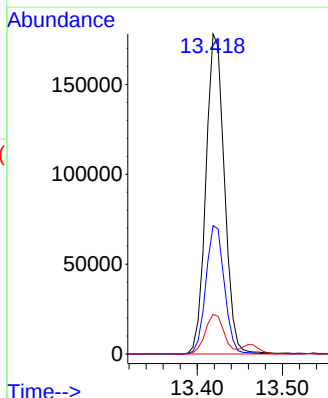
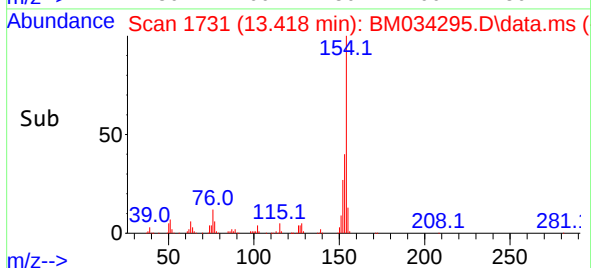
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

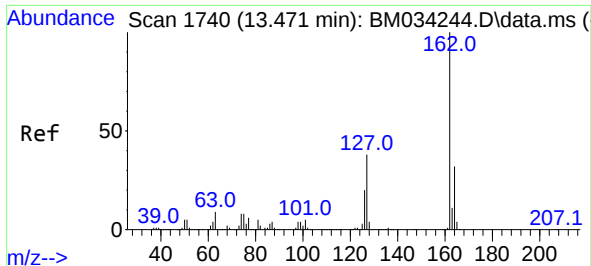


#46
1,1'-Biphenyl
Concen: 7.049 ng
RT: 13.418 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



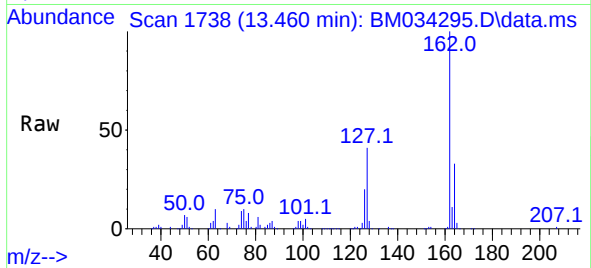
Tgt Ion:154 Resp: 268236
Ion Ratio Lower Upper
154 100
153 40.1 21.0 61.0
76 12.3 0.0 32.1





#47
2-Chloronaphthalene
Concen: 6.814 ng
RT: 13.460 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

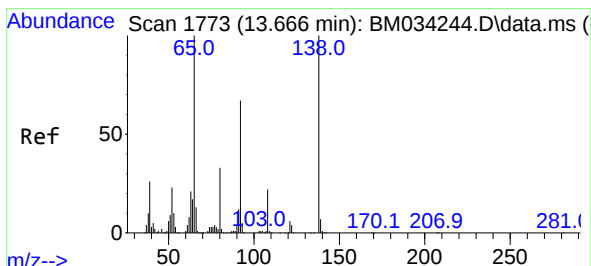
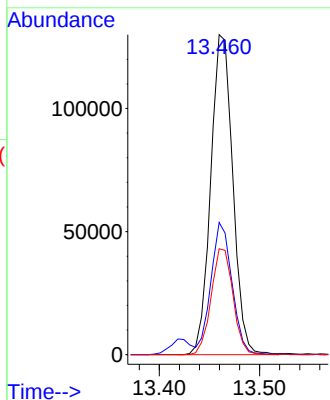
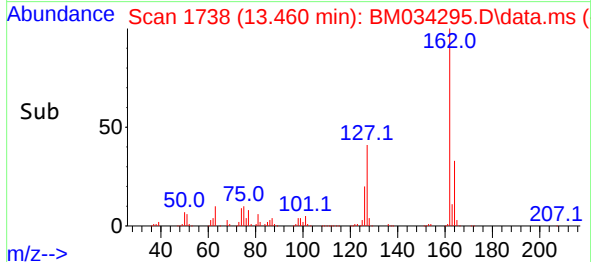
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:162 Resp: 19903
Ion Ratio Lower Upper
162 100
127 41.3 30.4 45.6
164 33.1 25.8 38.8

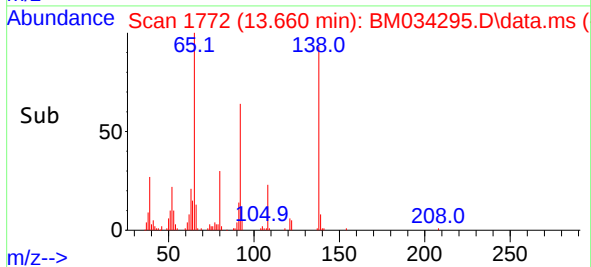
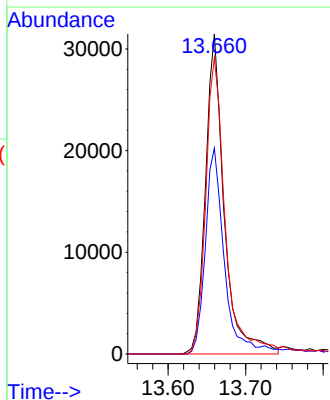
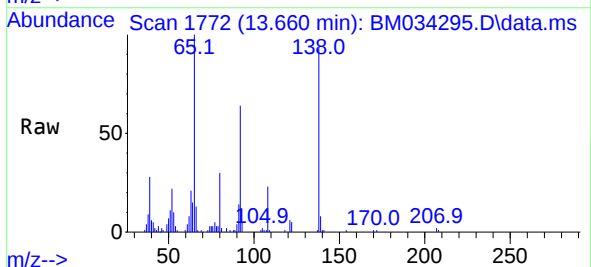
Manual Integrations
APPROVED

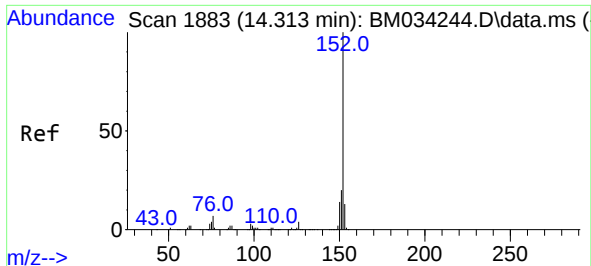
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#48
2-Nitroaniline
Concen: 5.915 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

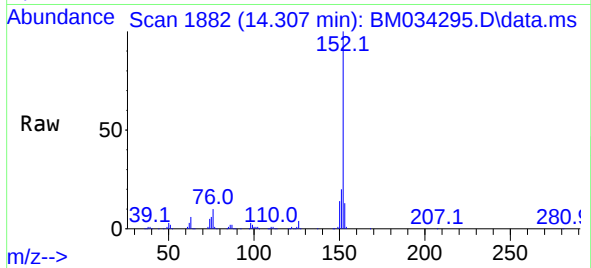
Tgt Ion: 65 Resp: 52820
Ion Ratio Lower Upper
65 100
92 64.3 53.8 80.8
138 92.6 79.9 119.9





#49
Acenaphthylene
Concen: 7.228 ng
RT: 14.307 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

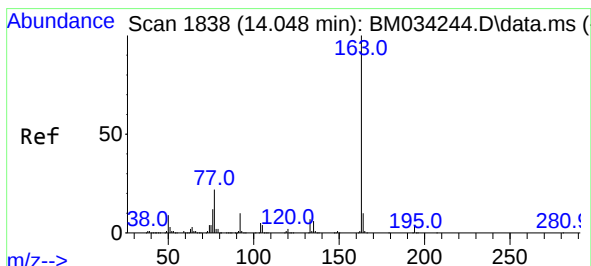
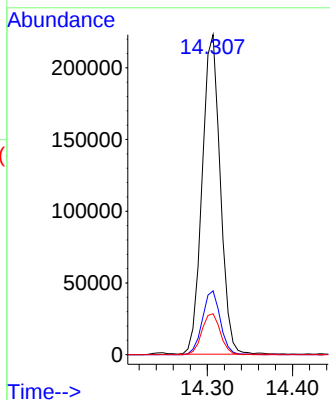
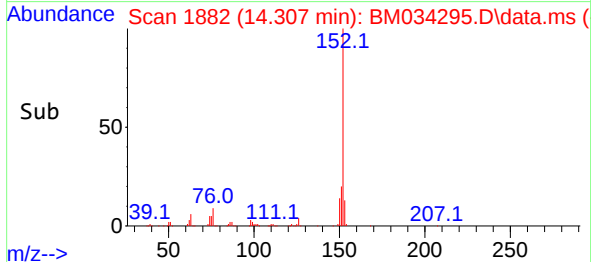
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



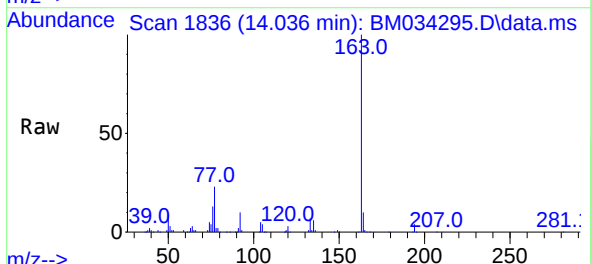
Tgt Ion:152 Resp: 32905
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 12.8 10.6 16.0

Manual Integrations
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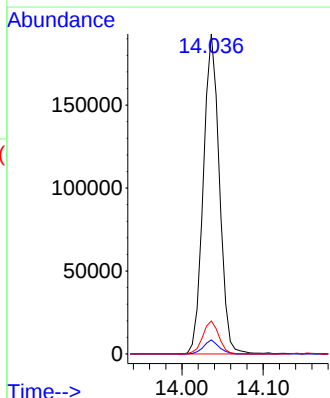
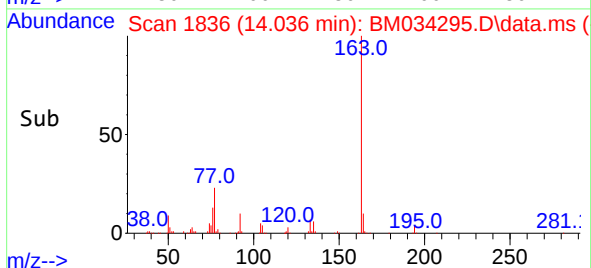
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

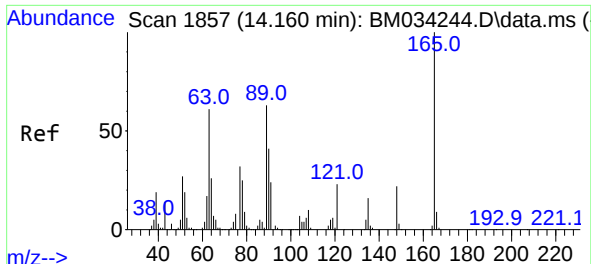


#50
Dimethylphthalate
Concen: 6.953 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



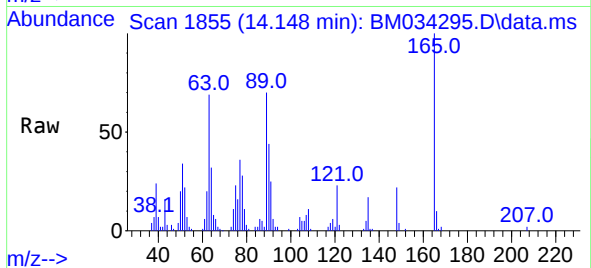
Tgt Ion:163 Resp: 264075
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.3 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 6.937 ng
RT: 14.148 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

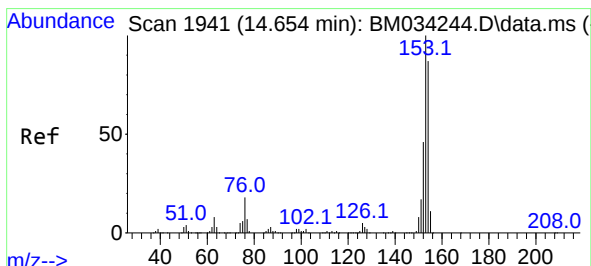
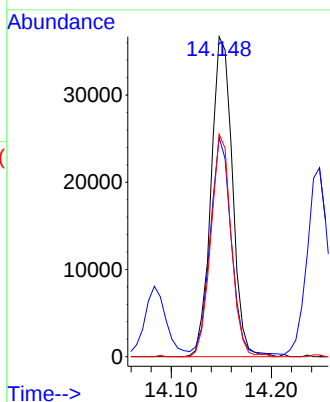
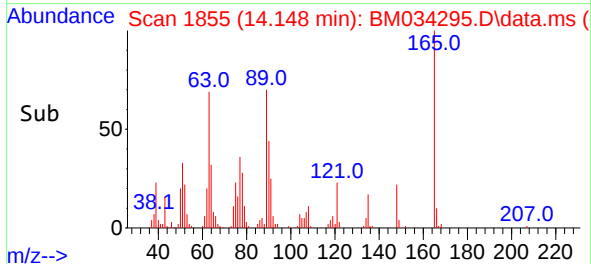
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



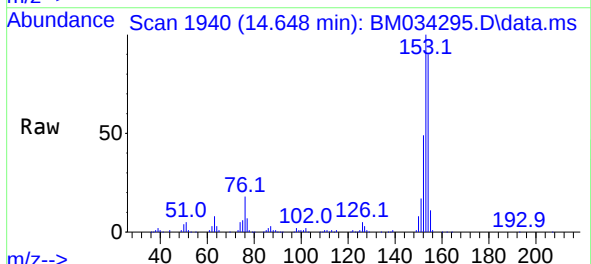
Tgt Ion:165 Resp: 54040
Ion Ratio Lower Upper
165 100
63 68.5 51.9 77.9
89 69.6 50.6 76.0

Manual Integrations
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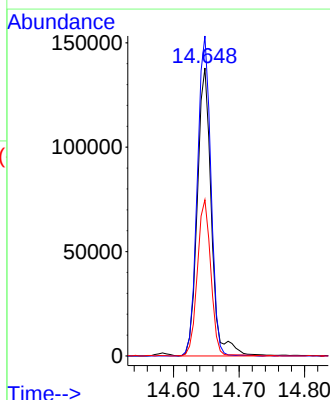
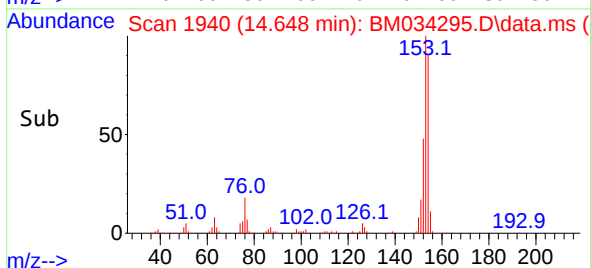
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

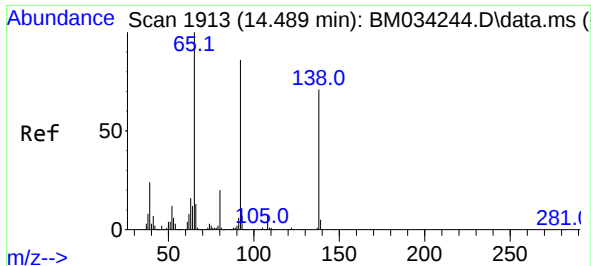


#52
Acenaphthene
Concen: 6.749 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



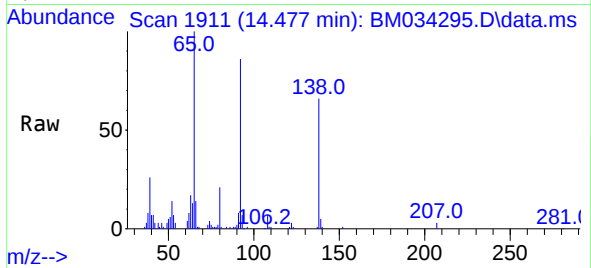
Tgt Ion:154 Resp: 206959
Ion Ratio Lower Upper
154 100
153 111.1 91.8 137.8
152 54.2 42.6 64.0





#53
3-Nitroaniline
Concen: 5.717 ng
RT: 14.477 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

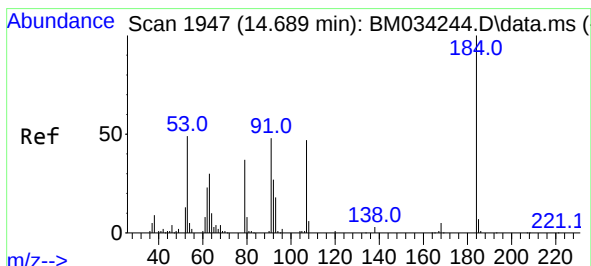
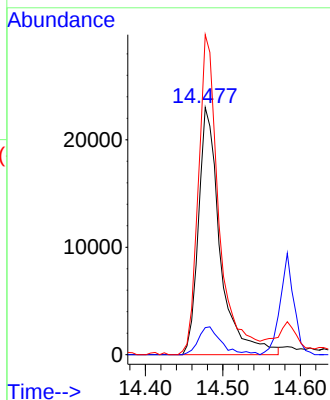
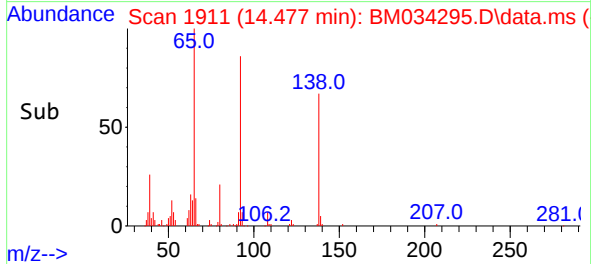
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:138 Resp: 4468
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 129.5 97.6 146.4

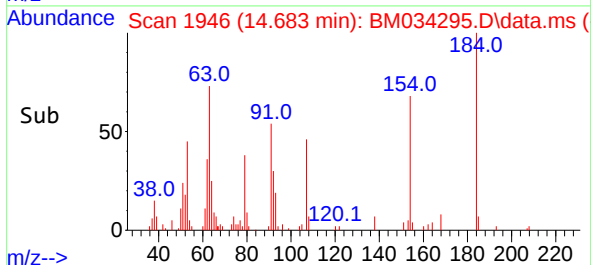
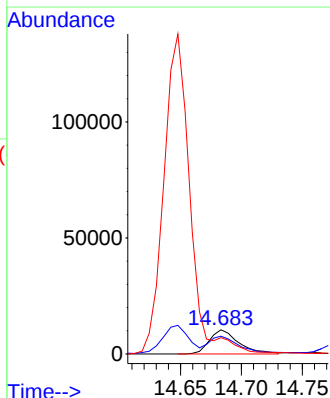
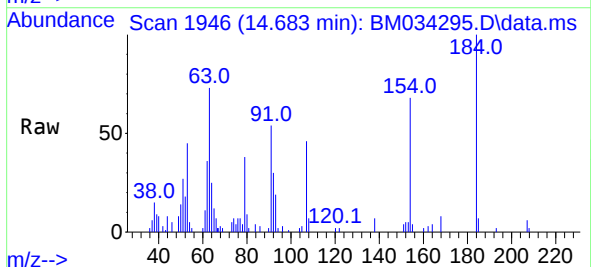
Manual Integrations
APPROVED

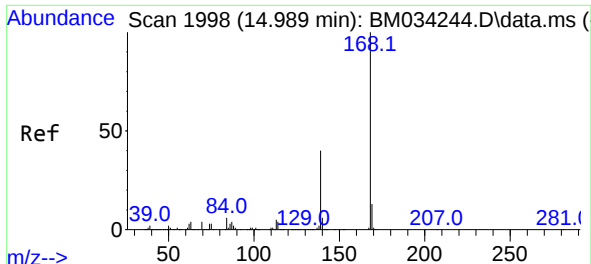
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#54
2,4-Dinitrophenol
Concen: 3.968 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

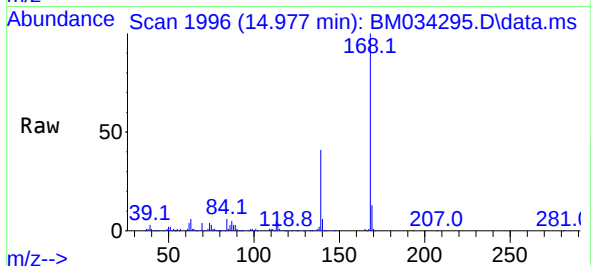
Tgt Ion:184 Resp: 17318
Ion Ratio Lower Upper
184 100
63 73.0 58.3 87.5
154 67.7 52.6 78.8





#55
Dibenzenofuran
Concen: 6.934 ng
RT: 14.977 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

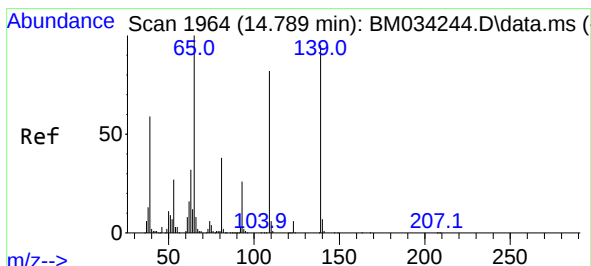
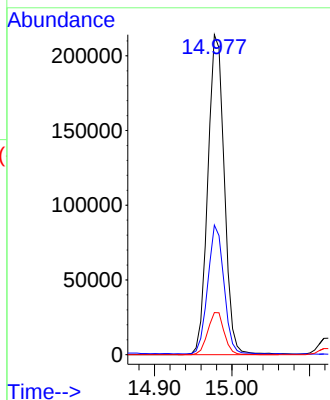
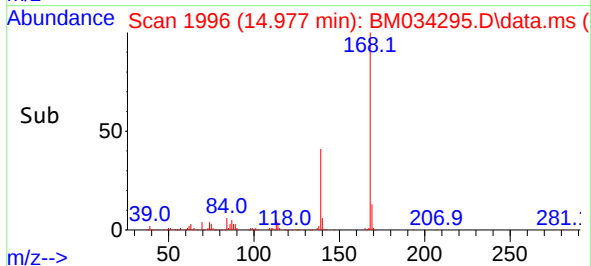
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:168 Resp: 31687
Ion Ratio Lower Upper
168 100
139 40.5 32.4 48.6
169 13.1 10.8 16.2

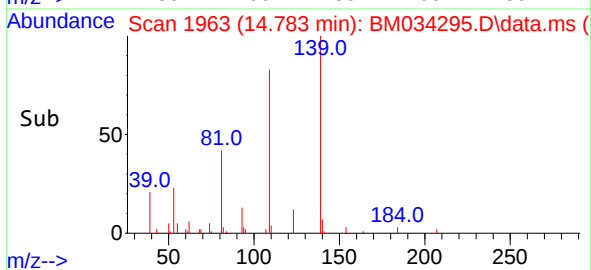
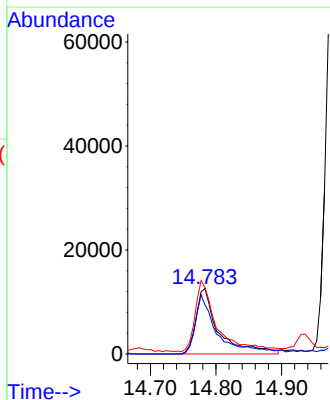
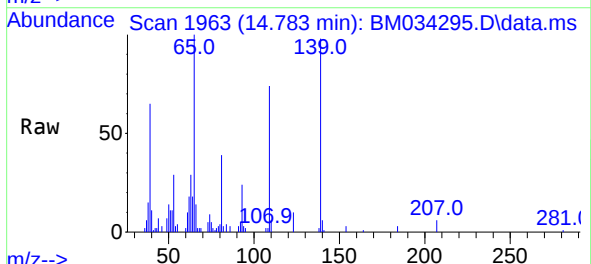
Manual Integrations
APPROVED

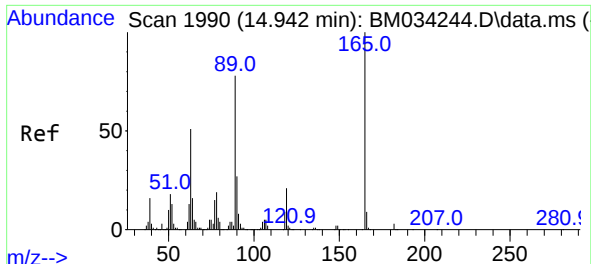
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#56
4-Nitrophenol
Concen: 4.766 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

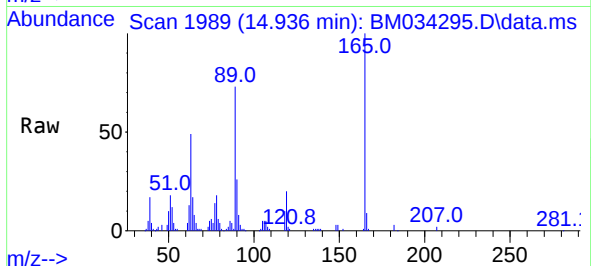
Tgt Ion:139 Resp: 30201
Ion Ratio Lower Upper
139 100
109 75.4 66.3 106.3
65 102.0 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 6.725 ng
RT: 14.936 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

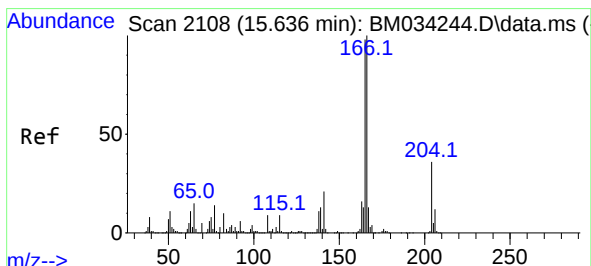
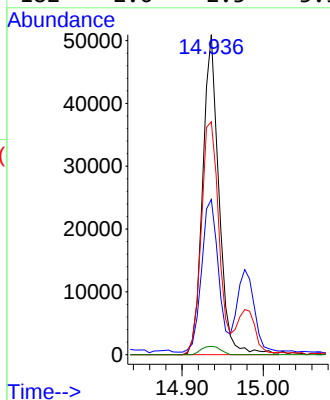
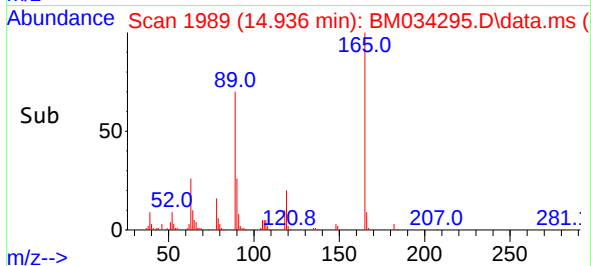
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



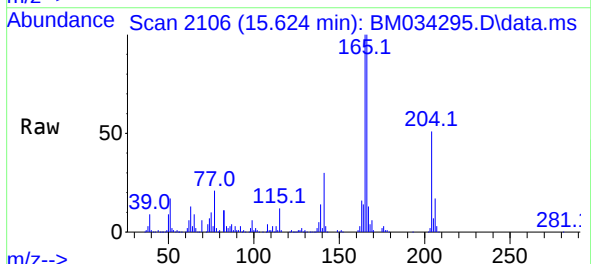
Tgt Ion:165 Resp: 70819
Ion Ratio Lower Upper
165 100
63 48.5 40.6 61.0
89 72.8 62.7 94.1
182 2.6 2.3 3.5

Manual Integrations
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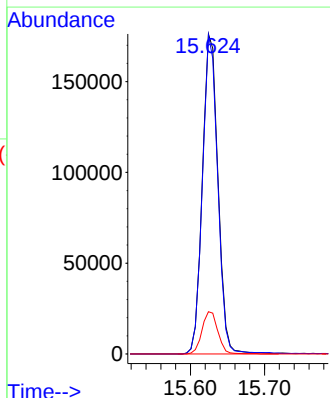
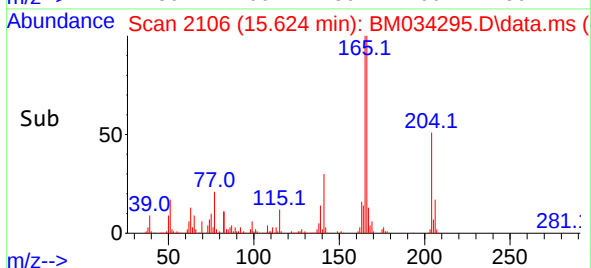
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

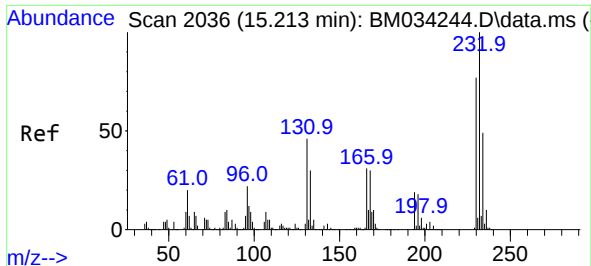


#58
Fluorene
Concen: 6.941 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



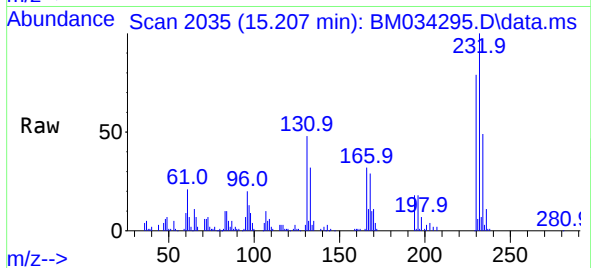
Tgt Ion:166 Resp: 257497
Ion Ratio Lower Upper
166 100
165 99.7 78.0 117.0
167 13.2 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.224 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

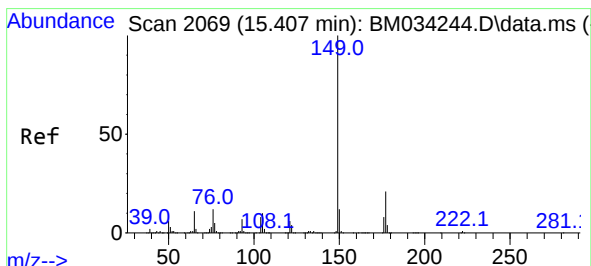
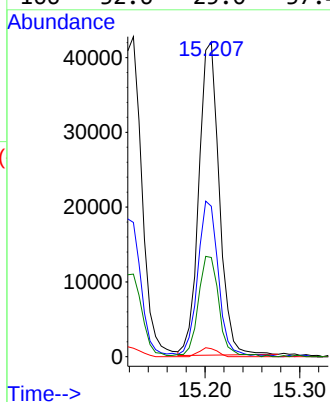
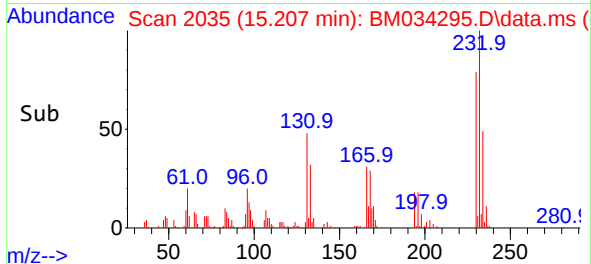
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



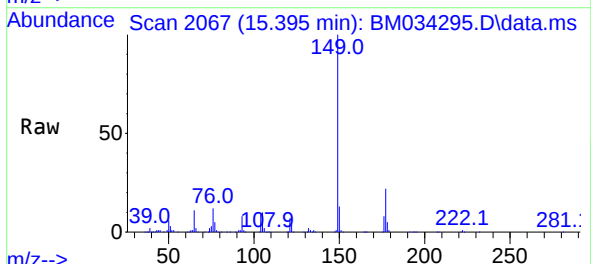
Tgt Ion:232 Resp: 62630
Ion Ratio Lower Upper
232 100
131 50.5 38.0 57.0
130 2.5 2.2 3.2
166 32.6 25.0 37.4

Manual Integrations
APPROVED

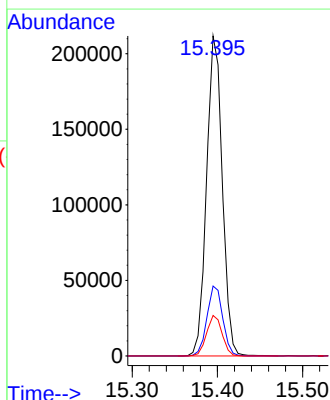
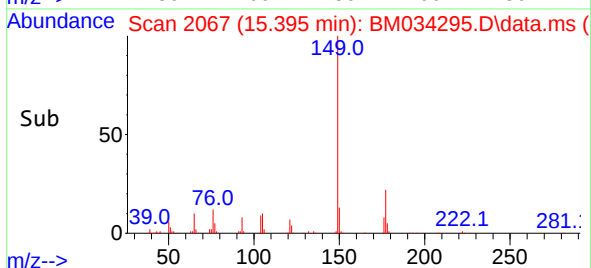
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

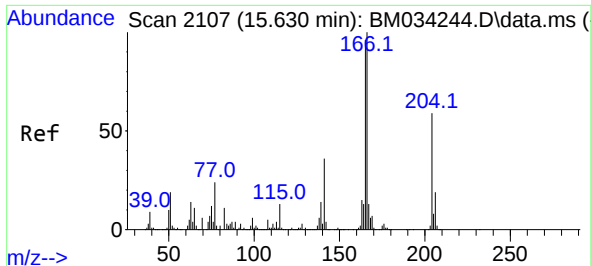


#60
Diethylphthalate
Concen: 6.963 ng
RT: 15.395 min Scan# 2067
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



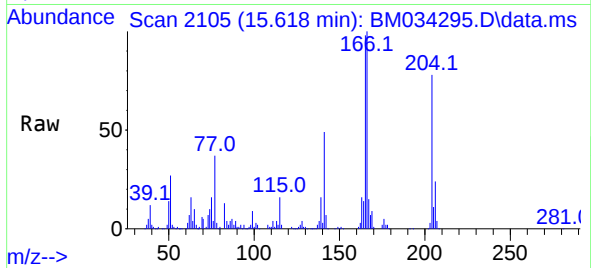
Tgt Ion:149 Resp: 271328
Ion Ratio Lower Upper
149 100
177 21.8 17.1 25.7
150 12.7 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 6.914 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

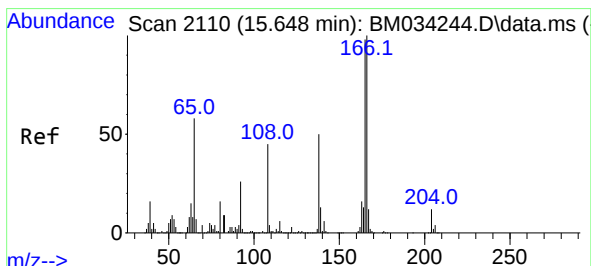
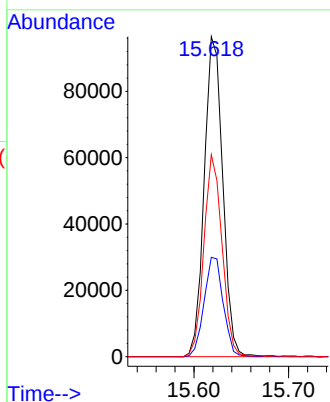
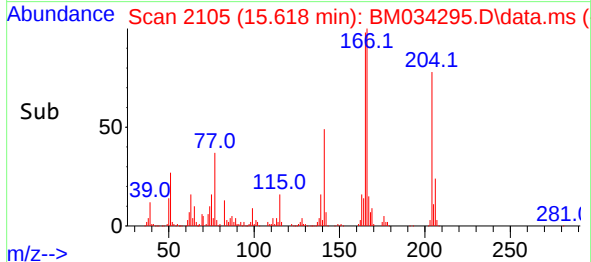
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:204 Resp: 13095
Ion Ratio Lower Upper
204 100
206 31.1 26.4 39.6
141 63.1 49.4 74.2

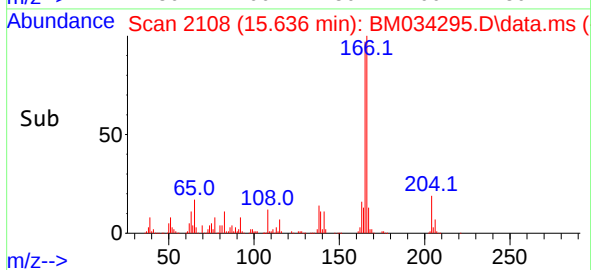
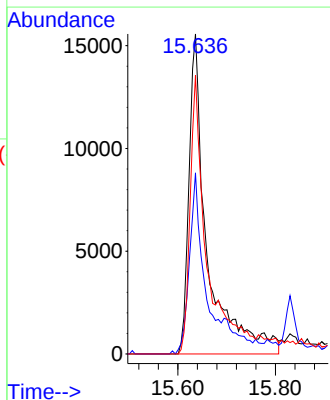
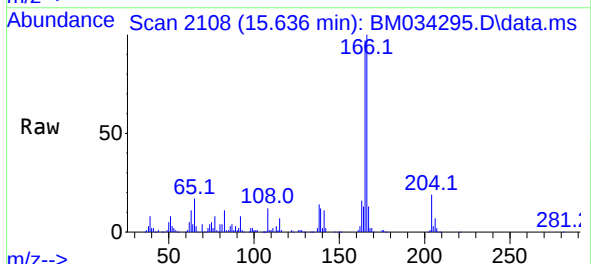
Manual Integrations
APPROVED

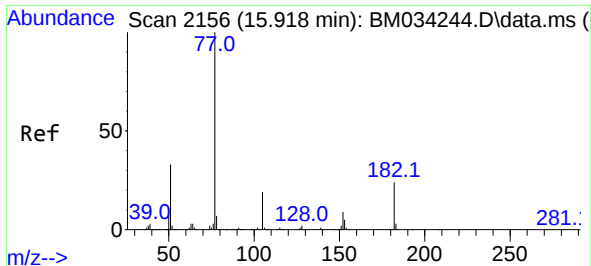
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#62
4-Nitroaniline
Concen: 5.431 ng m
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

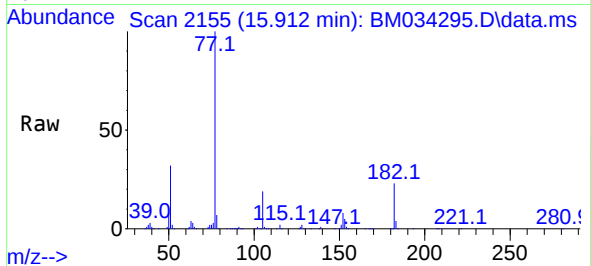
Tgt Ion:138 Resp: 40838
Ion Ratio Lower Upper
138 100
92 56.6 32.6 72.6
108 87.1 69.8 109.8





#63
Azobenzene
Concen: 6.918 ng
RT: 15.912 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

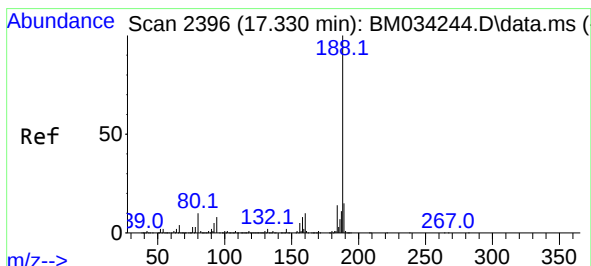
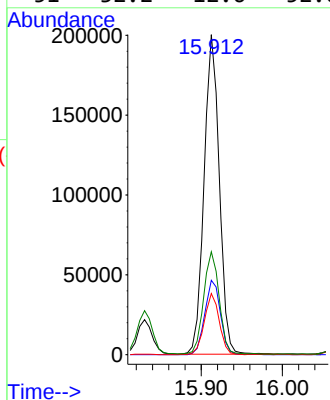
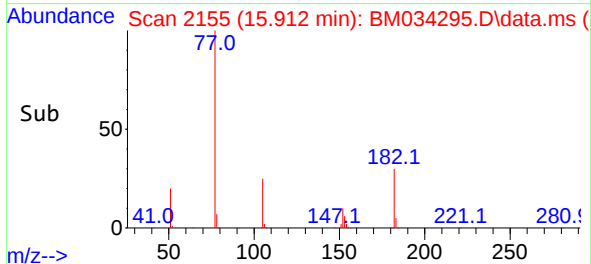
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 77 Resp: 259940
Ion Ratio Lower Upper
77 100
182 23.2 4.4 44.4
105 19.1 0.0 38.7
51 32.2 12.6 52.6

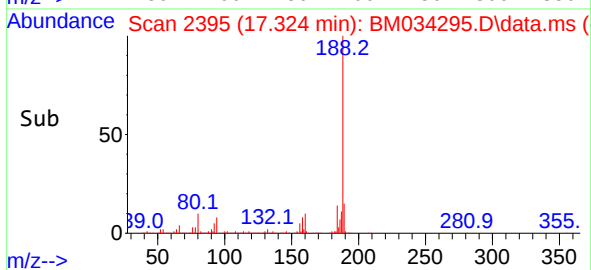
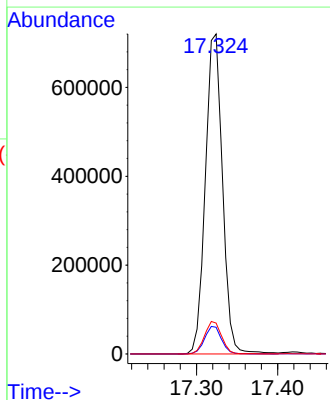
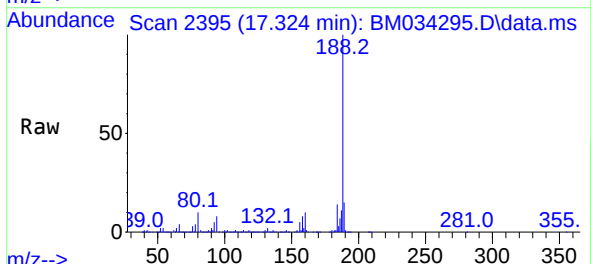
Manual Integrations
APPROVED

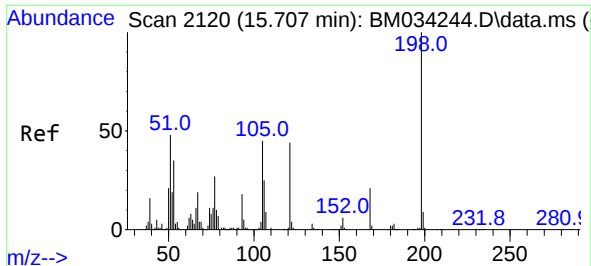
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

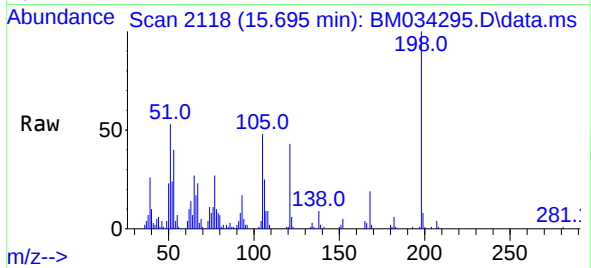
Tgt Ion:188 Resp: 1055061
Ion Ratio Lower Upper
188 100
94 8.3 6.6 9.8
80 9.7 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 5.022 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

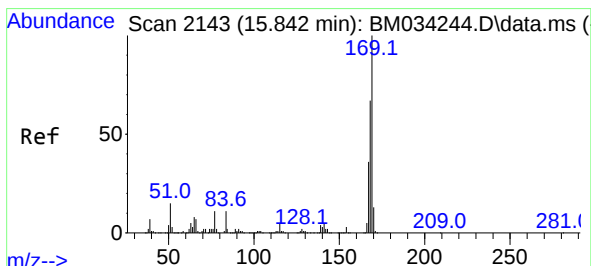
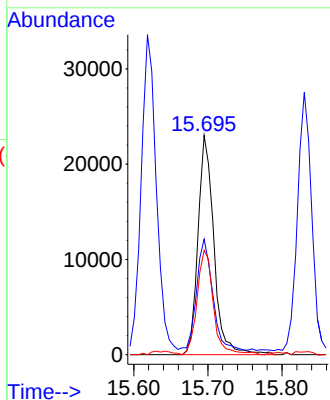
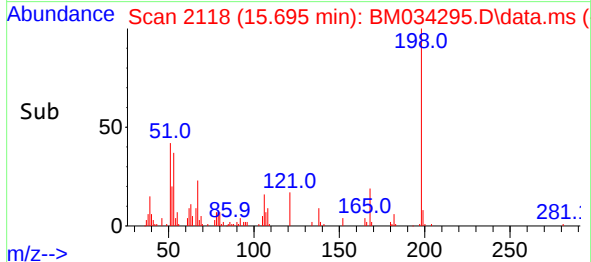
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



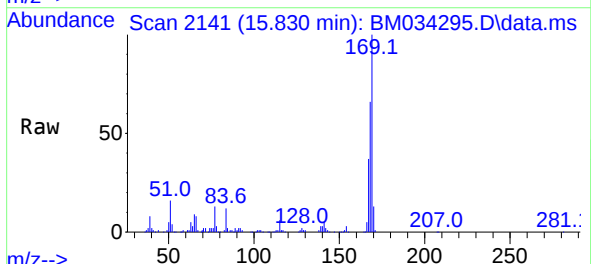
Tgt Ion:198 Resp: 3445
Ion Ratio Lower Upper
198 100
51 52.7 29.0 69.0
105 47.6 25.3 65.3

Manual Integrations
APPROVED

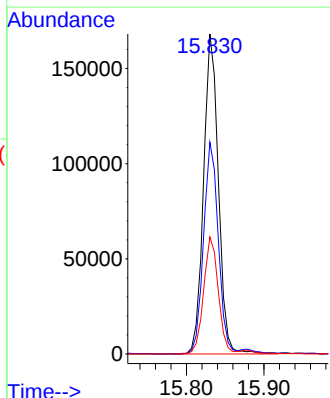
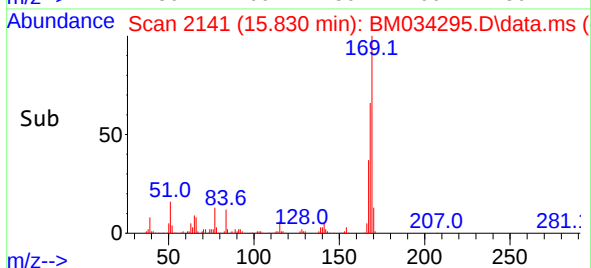
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

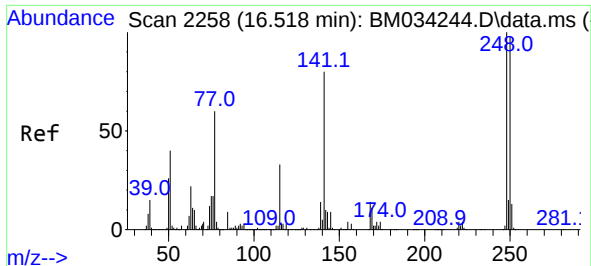


#66
n-Nitrosodiphenylamine
Concen: 6.672 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



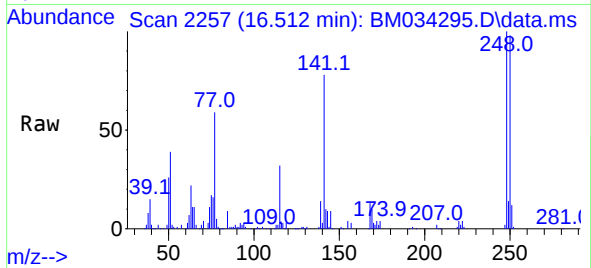
Tgt Ion:169 Resp: 223628
Ion Ratio Lower Upper
169 100
168 66.1 53.9 80.9
167 36.6 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 6.618 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

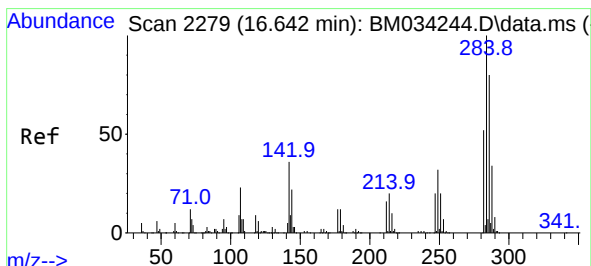
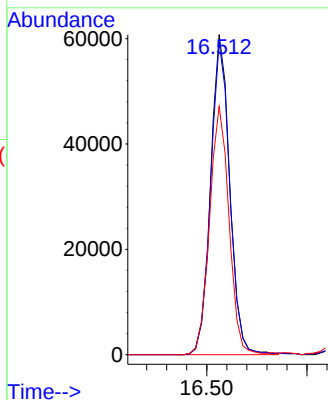
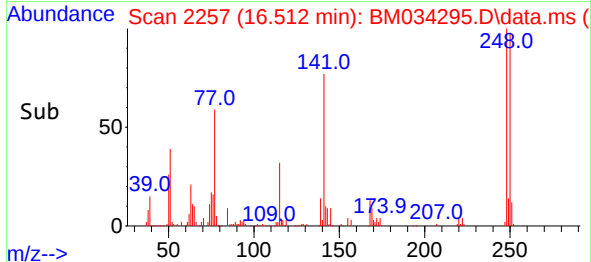
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



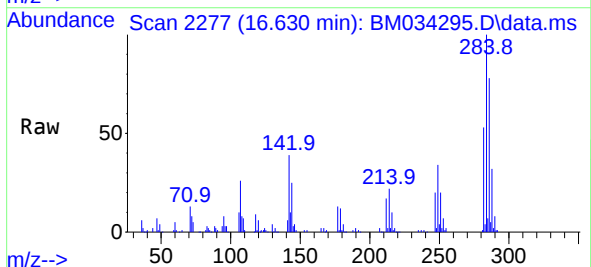
Tgt Ion:248 Resp: 80270
Ion Ratio Lower Upper
248 100
250 97.7 78.0 117.0
141 77.5 63.8 95.6

Manual Integrations
APPROVED

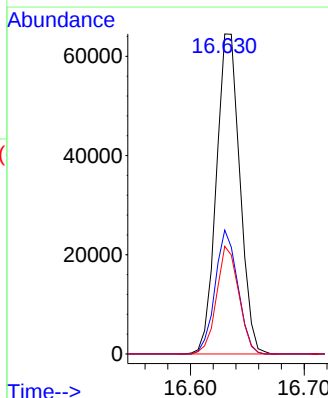
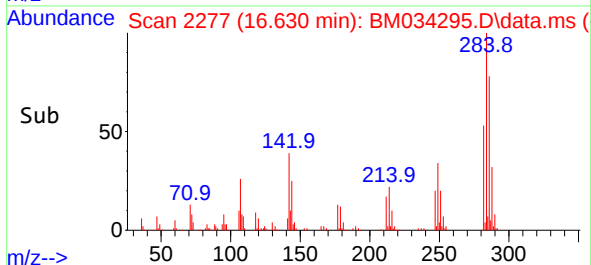
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

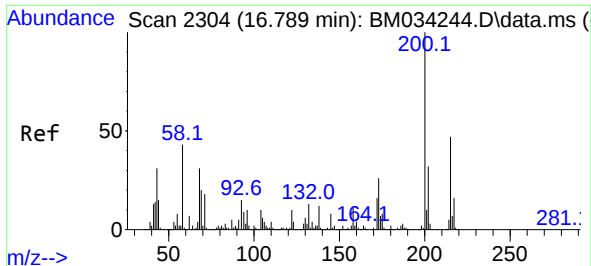


#68
Hexachlorobenzene
Concen: 6.861 ng
RT: 16.630 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



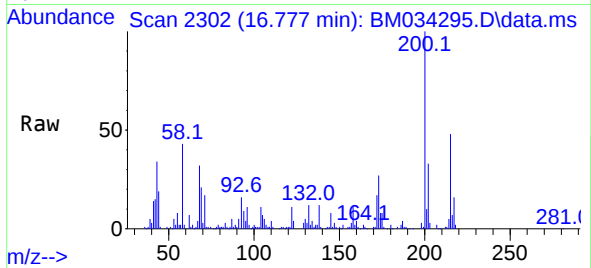
Tgt Ion:284 Resp: 92812
Ion Ratio Lower Upper
284 100
142 38.7 28.9 43.3
249 33.7 25.4 38.0





#69
Atrazine
Concen: 7.268 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

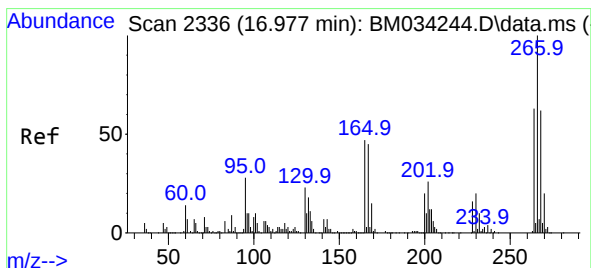
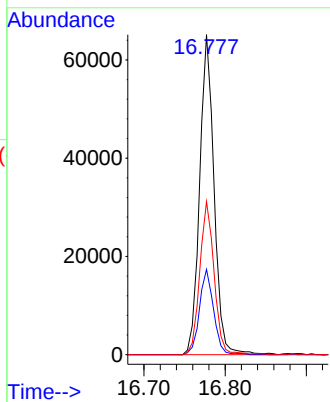
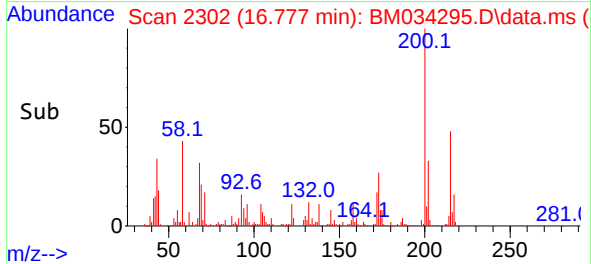
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



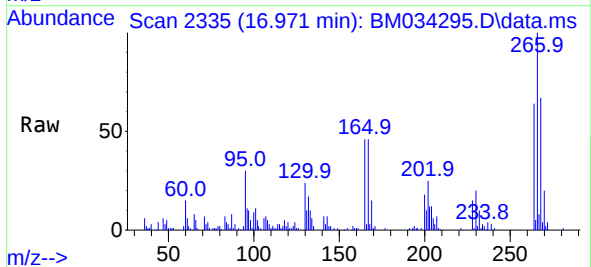
Tgt Ion:200 Resp: 80290
Ion Ratio Lower Upper
200 100
173 26.7 6.1 46.1
215 47.9 27.4 67.4

Manual Integrations
APPROVED

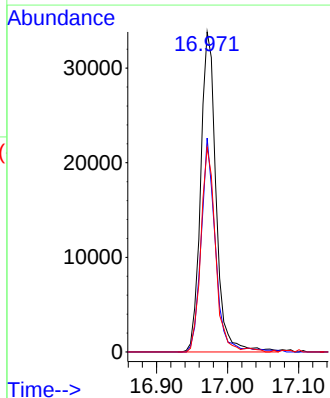
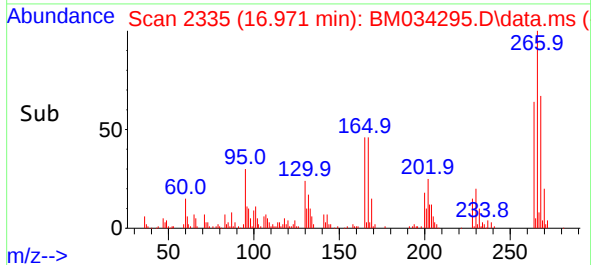
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

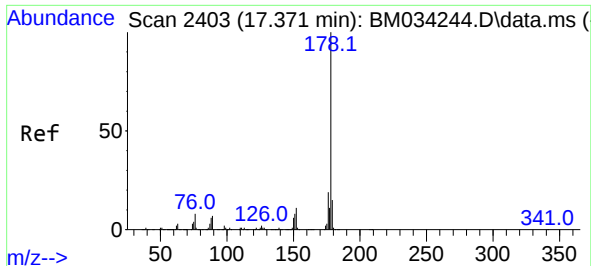


#70
Pentachlorophenol
Concen: 5.918 ng
RT: 16.971 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



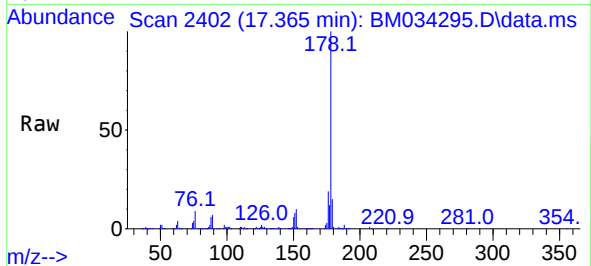
Tgt Ion:266 Resp: 51200
Ion Ratio Lower Upper
266 100
268 66.8 49.8 74.8
264 63.9 50.3 75.5





#71
Phenanthrene
Concen: 6.994 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

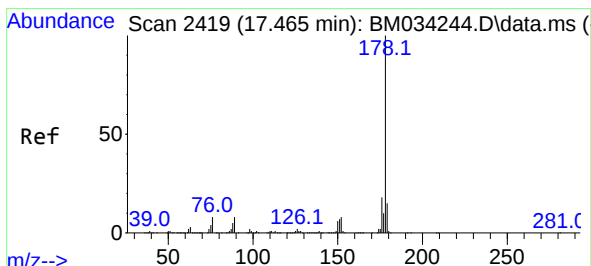
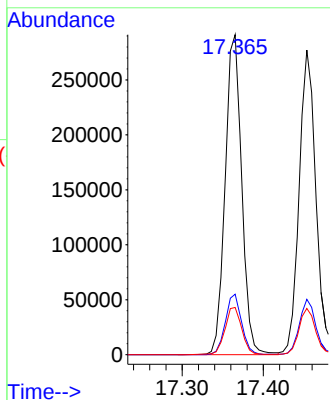
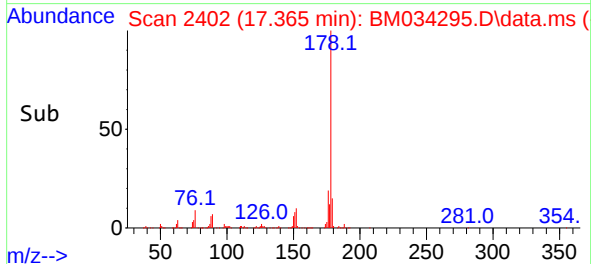
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



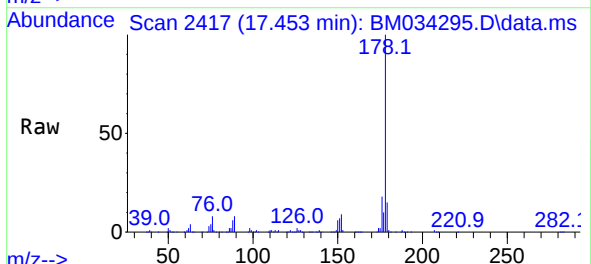
Tgt Ion:178 Resp: 413249
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 14.8 12.2 18.4

Manual Integrations
APPROVED

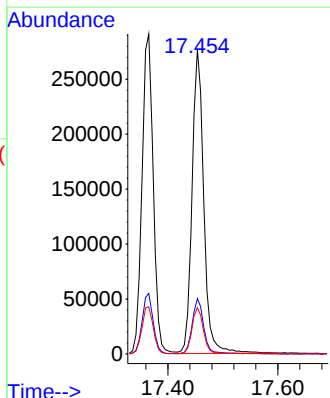
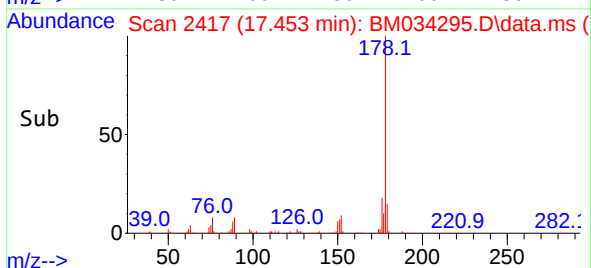
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

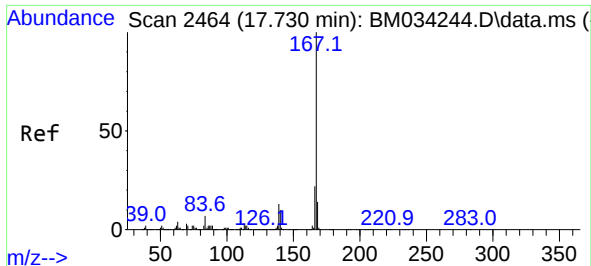


#72
Anthracene
Concen: 7.093 ng
RT: 17.453 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



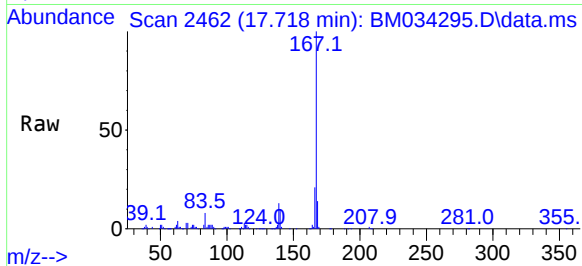
Tgt Ion:178 Resp: 407939
Ion Ratio Lower Upper
178 100
176 18.2 14.6 22.0
179 15.2 12.2 18.2





#73
Carbazole
Concen: 6.225 ng
RT: 17.718 min Scan# 2462
Delta R.T. -0.012 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

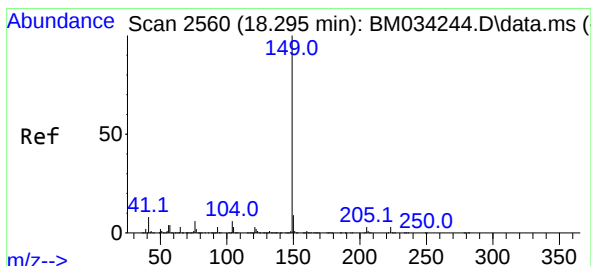
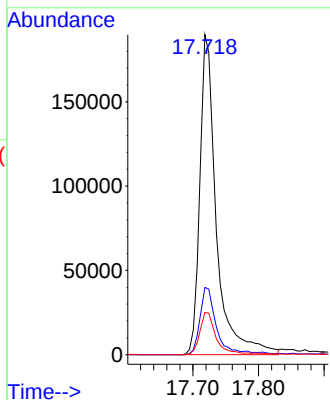
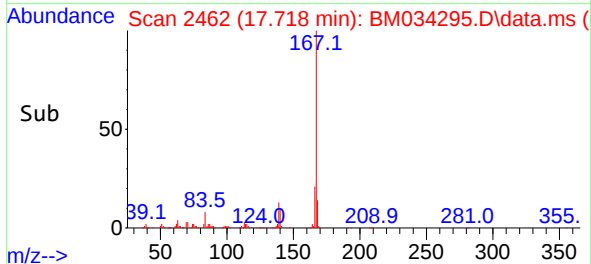
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



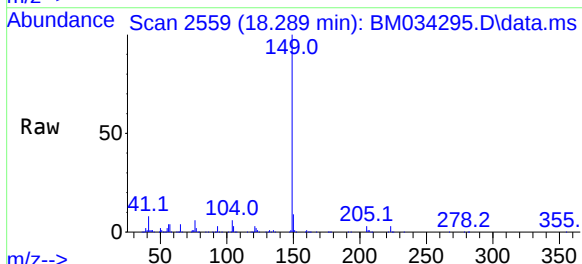
Tgt Ion:167 Resp: 333859
Ion Ratio Lower Upper
167 100
166 21.0 17.4 26.2
139 13.2 10.4 15.6

Manual Integrations
APPROVED

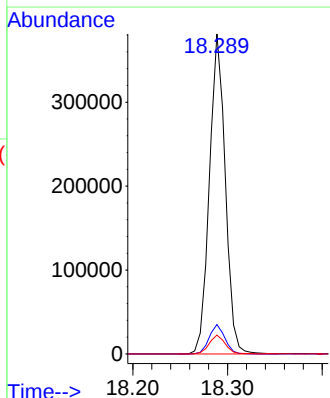
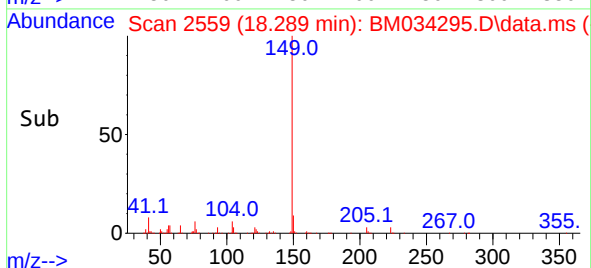
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

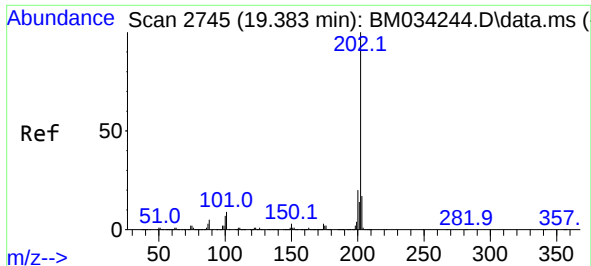


#74
Di-n-butylphthalate
Concen: 6.652 ng
RT: 18.289 min Scan# 2559
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



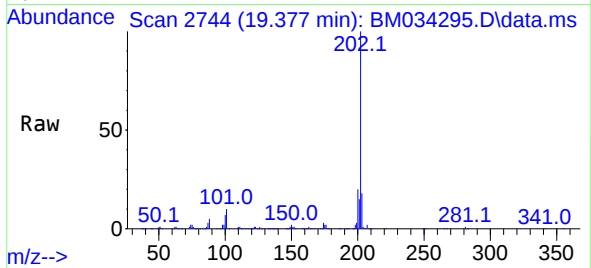
Tgt Ion:149 Resp: 443520
Ion Ratio Lower Upper
149 100
150 9.2 7.6 11.4
104 5.9 4.7 7.1





#75
Fluoranthene
Concen: 7.216 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

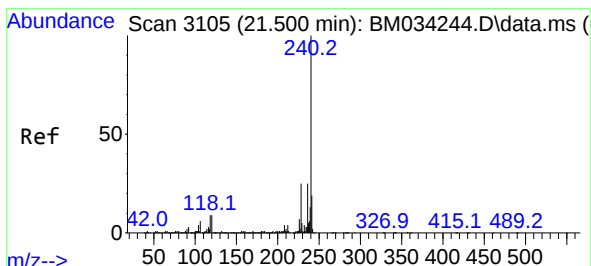
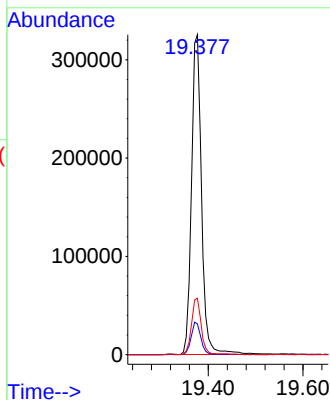
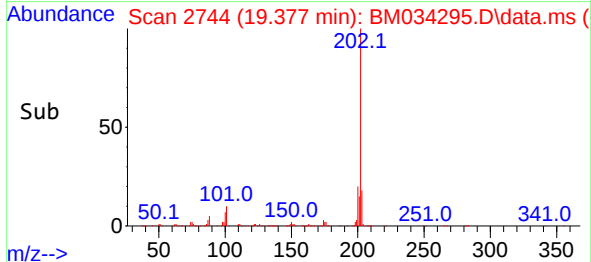
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



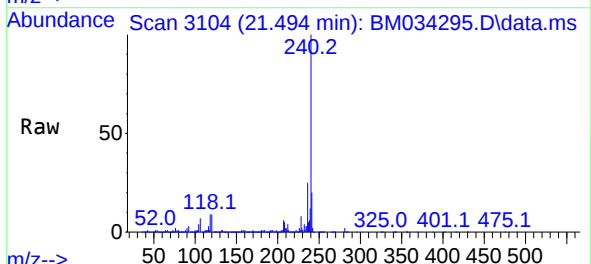
Tgt Ion:202 Resp: 47798
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.4
203 17.6 0.0 37.1

Manual Integrations
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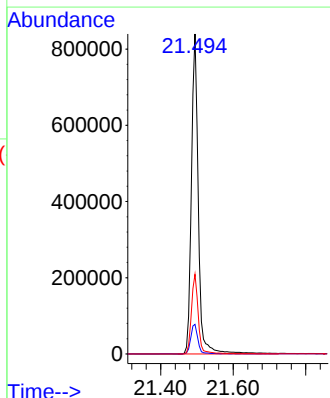
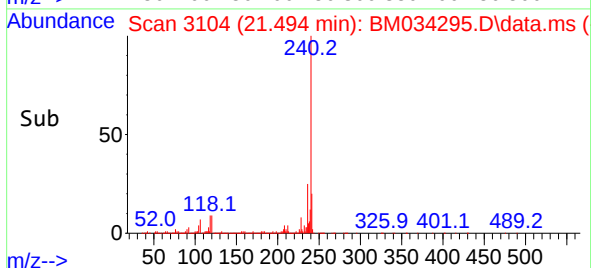
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

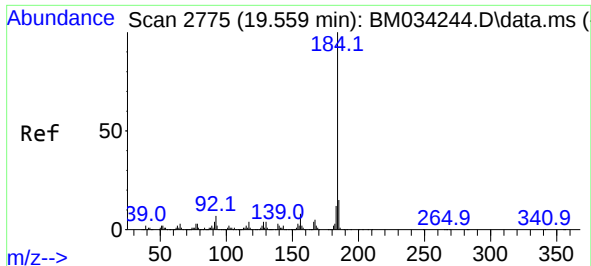


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



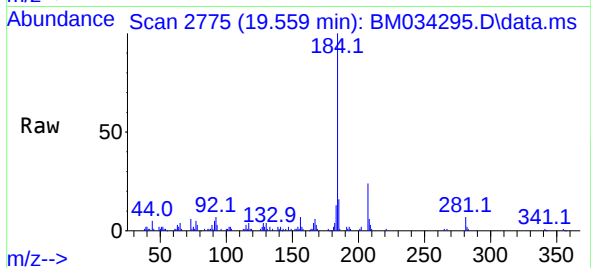
Tgt Ion:240 Resp: 1113850
Ion Ratio Lower Upper
240 100
120 9.3 7.3 10.9
236 24.9 20.2 30.2





#77
Benzidine
Concen: 8.484 ng m
RT: 19.559 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

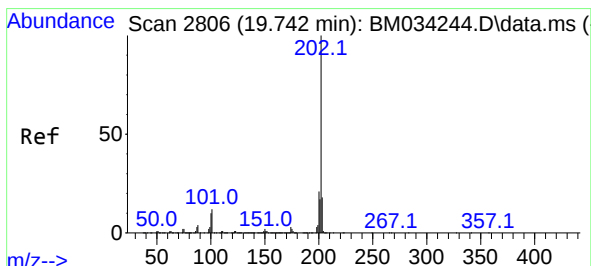
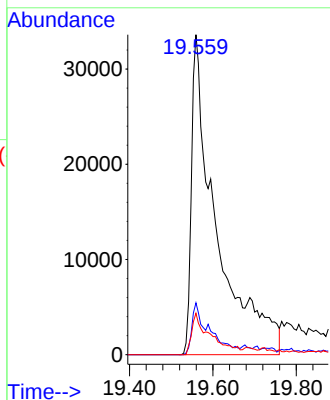
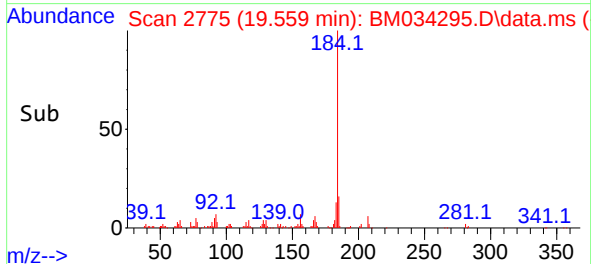
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



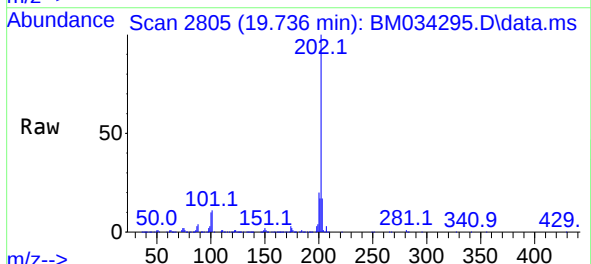
Tgt Ion:184 Resp: 138478
Ion Ratio Lower Upper
184 100
185 16.2 11.7 17.5
183 13.0 9.8 14.6

Manual Integrations
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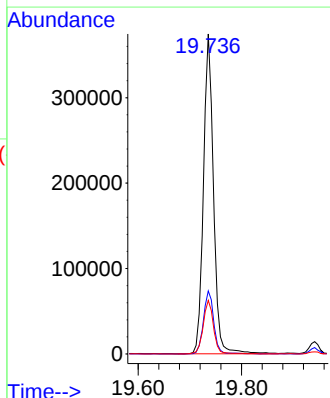
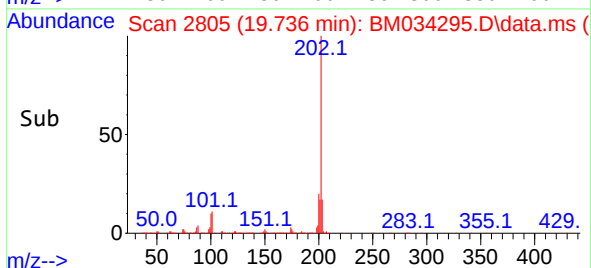
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

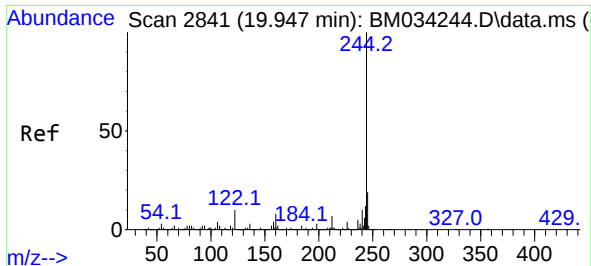


#78
Pyrene
Concen: 6.441 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



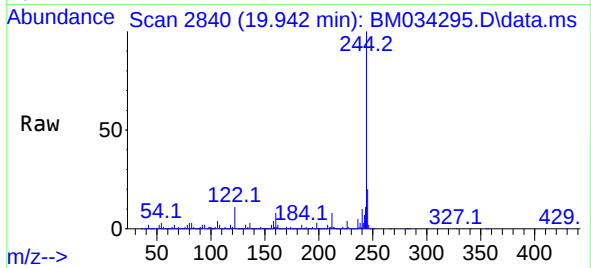
Tgt Ion:202 Resp: 505495
Ion Ratio Lower Upper
202 100
200 19.7 16.6 24.8
203 16.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 73.420 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034295.D
 Acq: 21 Mar 2022 19:29

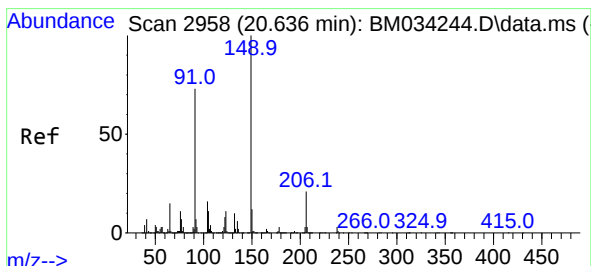
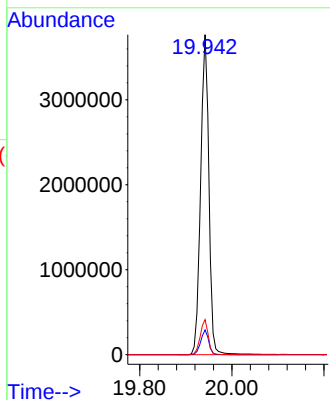
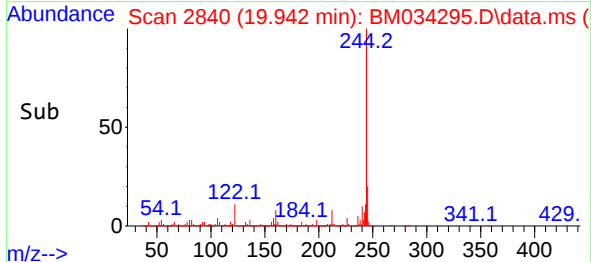
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



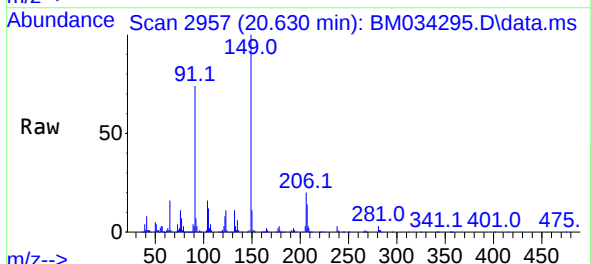
Tgt Ion:244 Resp: 470642
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 11.0 7.8 11.8

Manual Integrations
 APPROVED

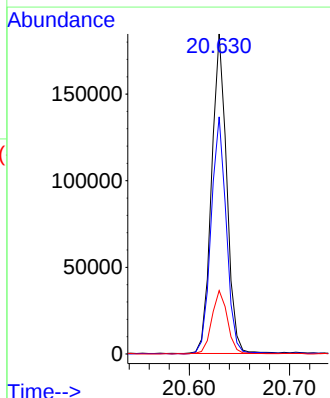
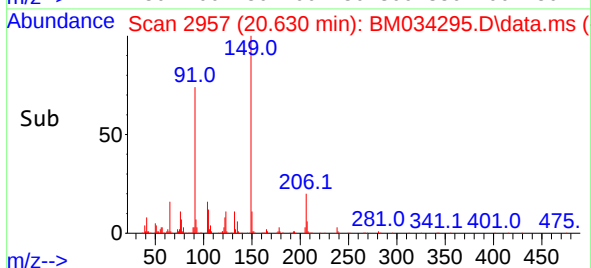
Reviewed By :Christian Giraldo 03/22/2022
 Supervised By :Jagrut Upadhyay 03/22/2022

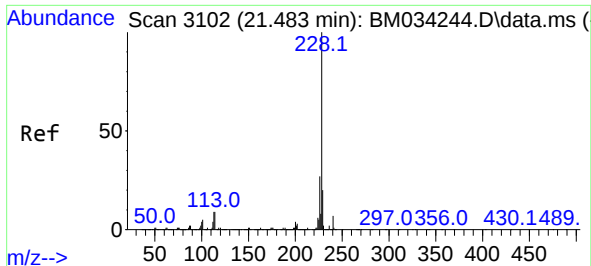


#80
 Butylbenzylphthalate
 Concen: 5.815 ng
 RT: 20.630 min Scan# 2957
 Delta R.T. -0.006 min
 Lab File: BM034295.D
 Acq: 21 Mar 2022 19:29



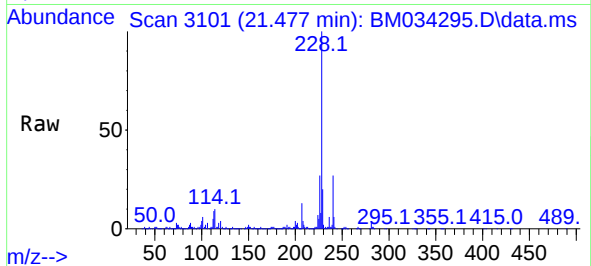
Tgt Ion:149 Resp: 192980
 Ion Ratio Lower Upper
 149 100
 91 74.1 58.5 87.7
 206 19.8 16.9 25.3





#81
Benzo(a)anthracene
Concen: 6.840 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

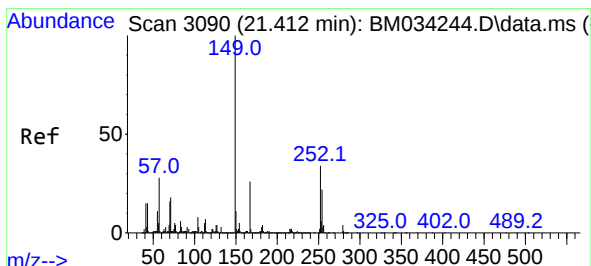
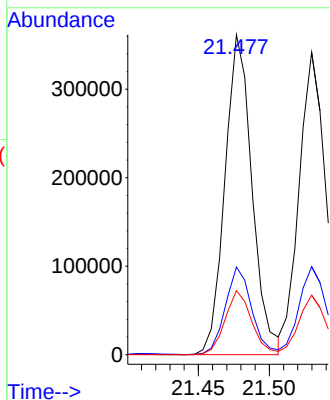
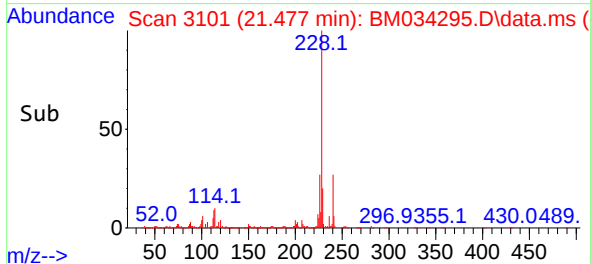
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



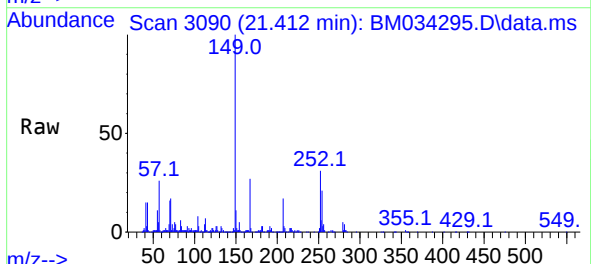
Tgt Ion:228 Resp: 48085
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 20.0 15.8 23.6

Manual Integrations
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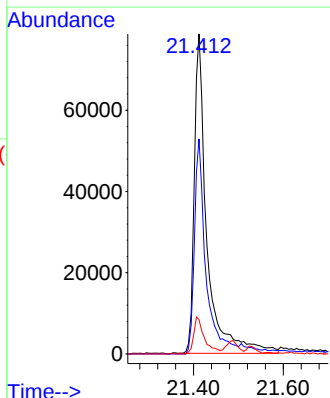
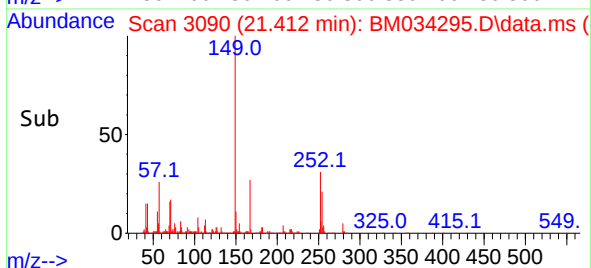
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

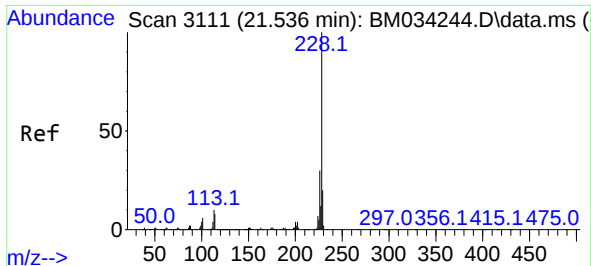


#82
3,3'-Dichlorobenzidine
Concen: 6.551 ng
RT: 21.412 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



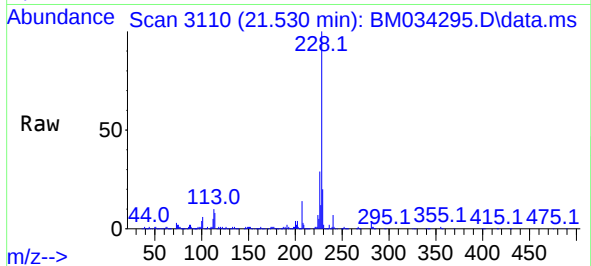
Tgt Ion:252 Resp: 153827
Ion Ratio Lower Upper
252 100
254 67.2 50.9 76.3
126 10.8 8.6 12.8





#83
Chrysene
Concen: 6.699 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

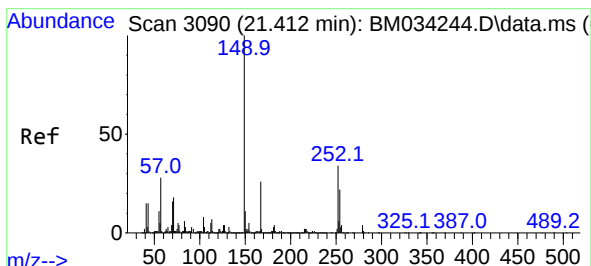
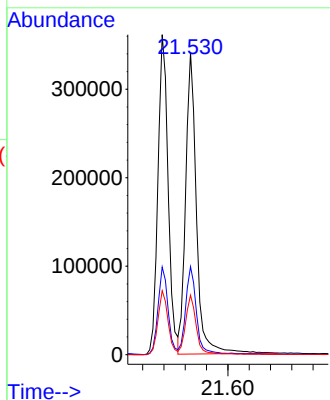
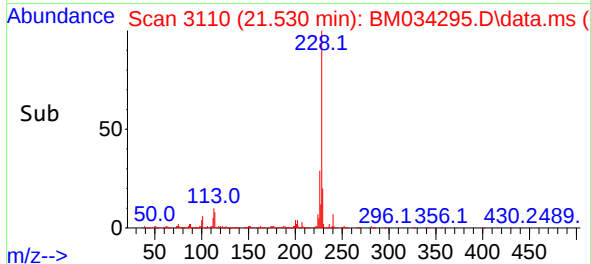
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



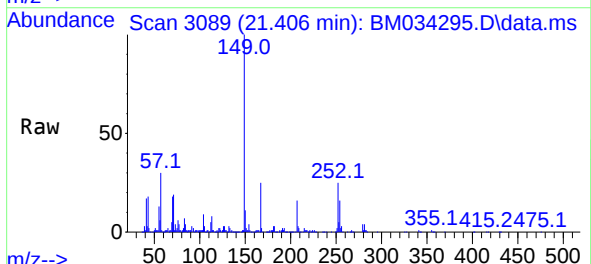
Tgt Ion:228 Resp: 480915
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.6
229 19.7 15.6 23.4

Manual Integrations
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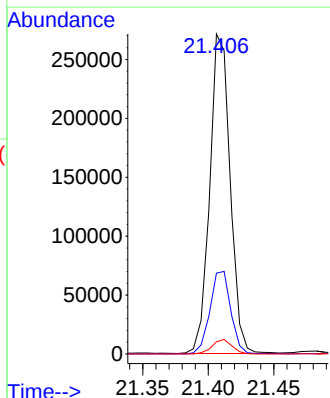
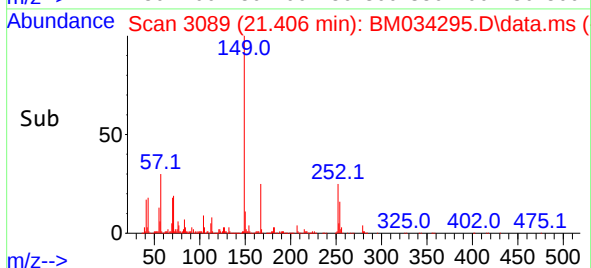
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

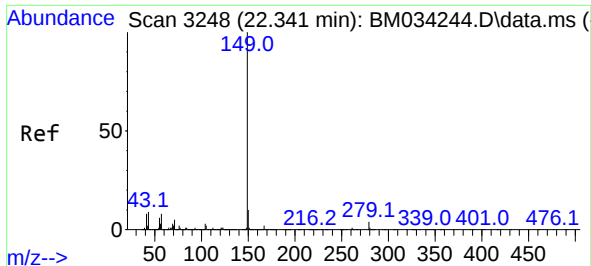


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.985 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29



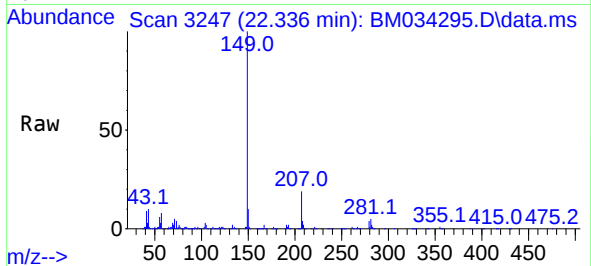
Tgt Ion:149 Resp: 293315
Ion Ratio Lower Upper
149 100
167 25.2 21.2 31.8
279 3.8 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 6.120 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

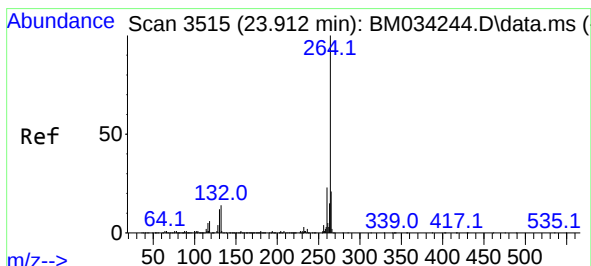
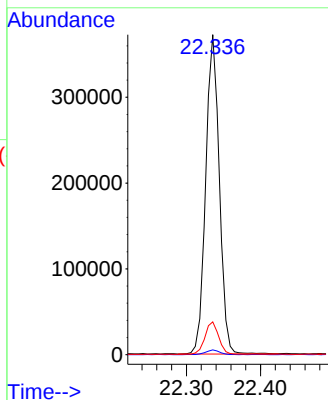
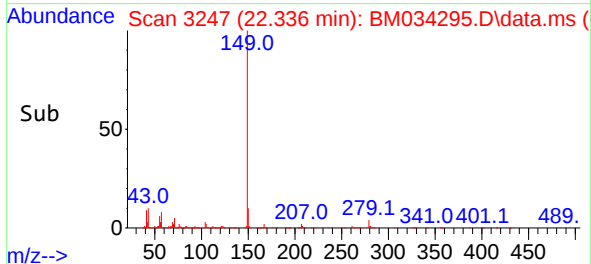
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:149 Resp: 476085
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.3 7.8 11.8

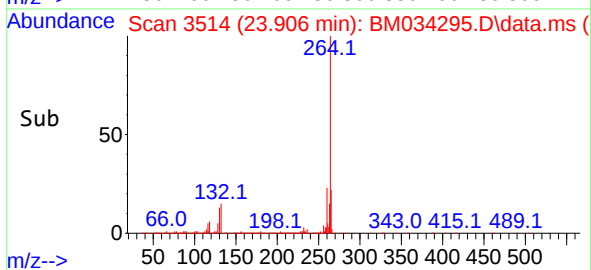
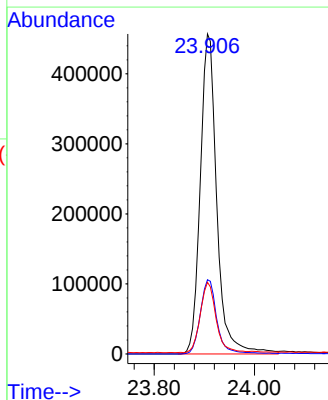
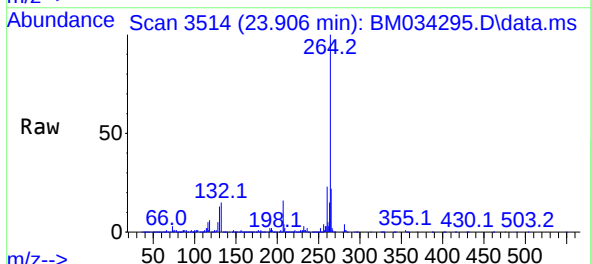
Manual Integrations
APPROVED

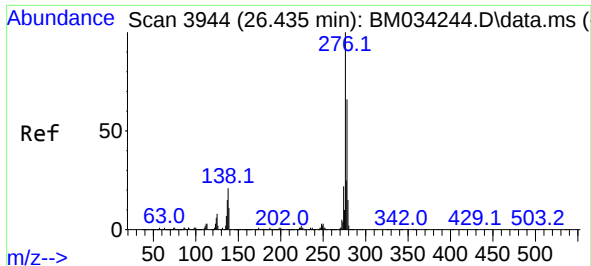
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion:264 Resp: 1046318
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.4 17.6 26.4





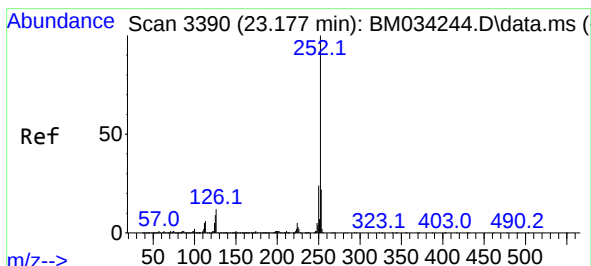
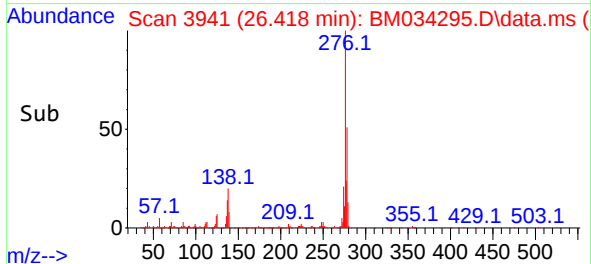
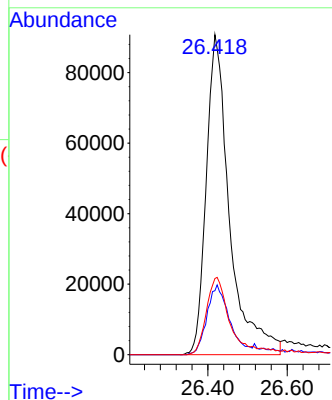
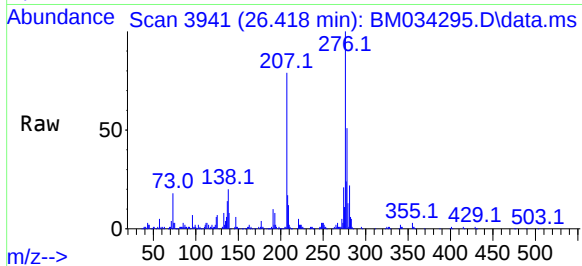
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.506 ng
RT: 26.418 min Scan# 3941
Delta R.T. -0.018 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:276 Resp: 37061
Ion Ratio Lower Upper
276 100
138 21.2 16.6 25.0
277 23.6 19.8 29.6

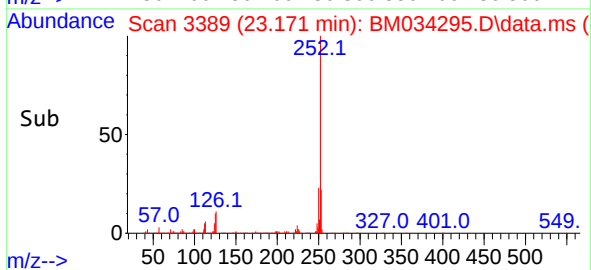
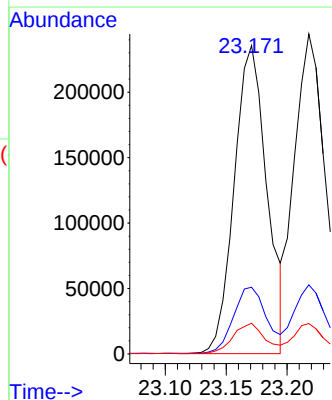
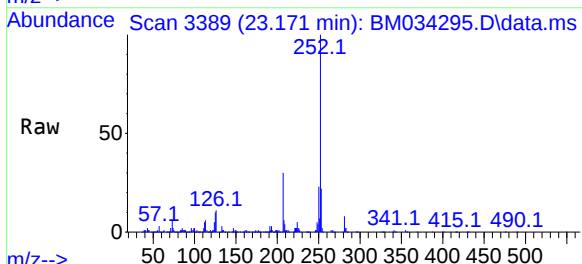
Manual Integrations
APPROVED

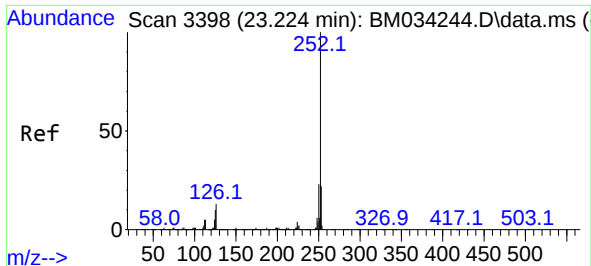
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#88
Benzo(b)fluoranthene
Concen: 7.028 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion:252 Resp: 439696
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 10.0 7.2 10.8





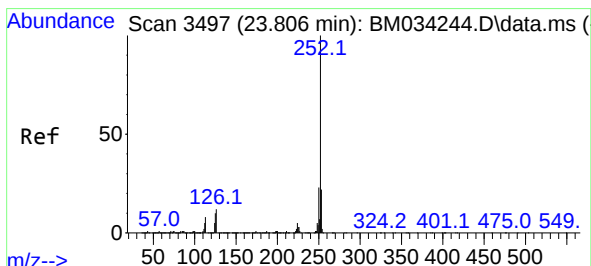
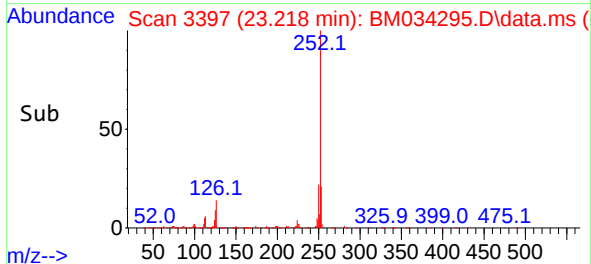
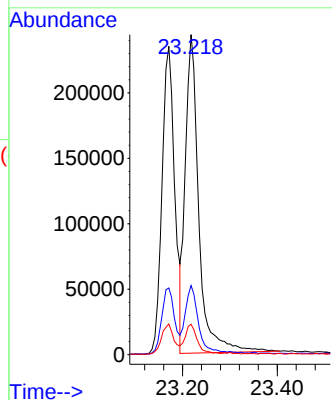
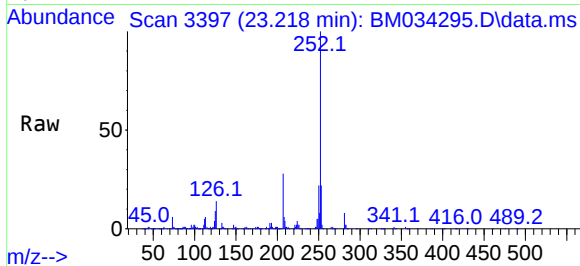
#89
Benzo(k)fluoranthene
Concen: 7.282 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:252 Resp: 482660
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 9.5 7.5 11.3

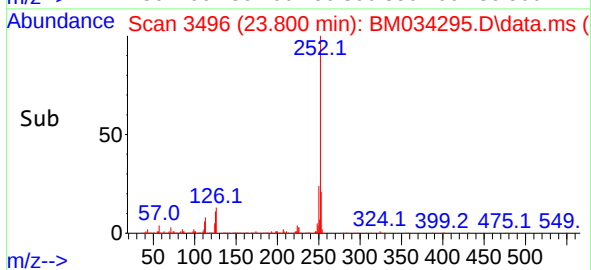
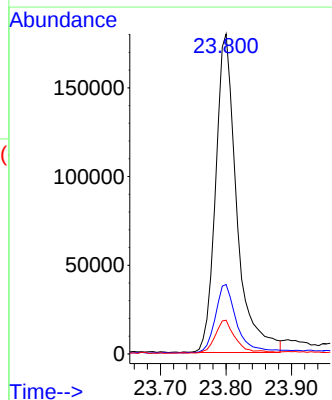
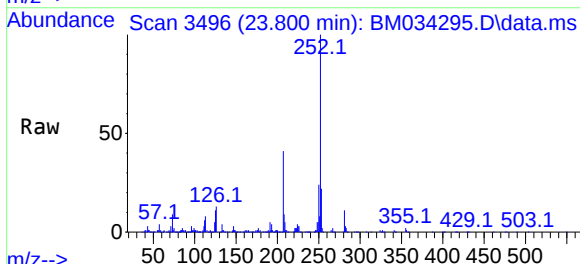
Manual Integrations
APPROVED

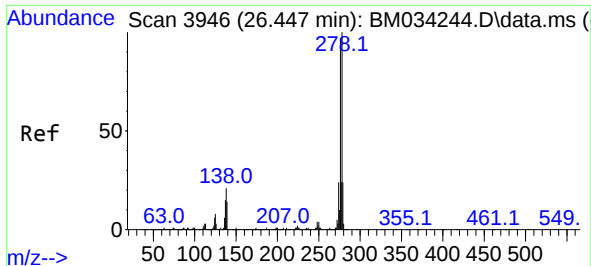
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#90
Benzo(a)pyrene
Concen: 7.570 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion:252 Resp: 401500
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.5 7.8 11.6





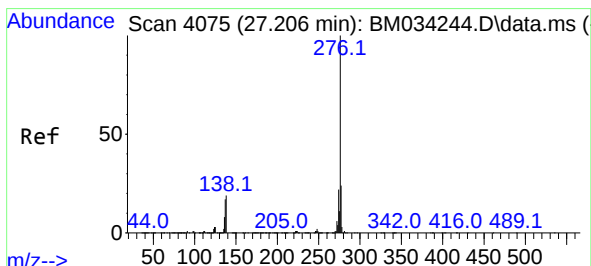
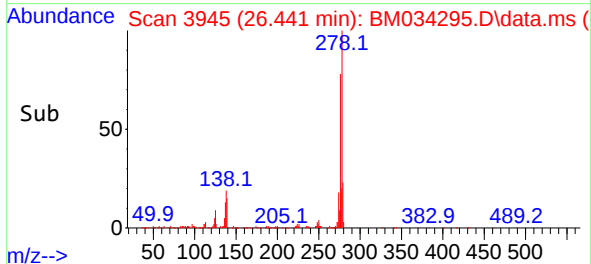
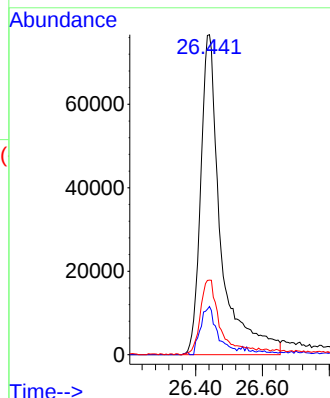
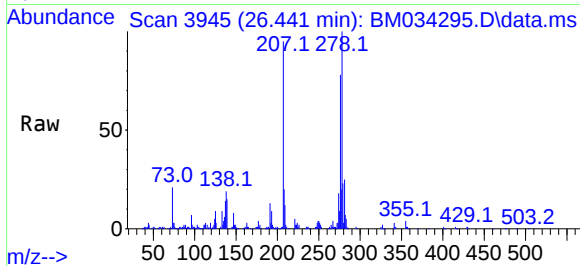
#91
Dibenzo(a,h)anthracene
Concen: 5.891 ng
RT: 26.441 min Scan# 3946
Delta R.T. -0.006 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:278 Resp: 321490
Ion Ratio Lower Upper
278 100
139 15.0 11.2 16.8
279 23.3 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#92
Benzo(g,h,i)perylene
Concen: 6.102 ng
RT: 27.182 min Scan# 4071
Delta R.T. -0.024 min
Lab File: BM034295.D
Acq: 21 Mar 2022 19:29

Tgt Ion:276 Resp: 344727
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 17.8 15.6 23.4

