

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
 Data File : BM034294.D
 Acq On : 21 Mar 2022 18:53
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 22 04:10:23 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	7.943	152	162795	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	646854	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	438142	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	940041	20.000	ng	0.00
76) Chrysene-d12	21.495	240	976897	20.000	ng	0.00
86) Perylene-d12	23.906	264	980496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	1044189	115.067	ng	0.00
7) Phenol-d6	7.101	99	1509236	116.160	ng	0.00
23) Nitrobenzene-d5	9.107	82	1169786	88.046	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	735236	124.498	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2751562	85.816	ng	0.00
79) Terphenyl-d14	19.942	244	4567255	81.238	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.355	88	16313	3.973	ng	95
3) Pyridine	3.772	79	32935m	2.964	ng	
4) n-Nitrosodimethylamine	3.672	42	17599	3.336	ng	# 90
6) Aniline	7.266	93	58152	3.917	ng	100
8) 2-Chlorophenol	7.501	128	37931	3.574	ng	92
9) Benzaldehyde	7.072	77	38744m	5.535	ng	
10) Phenol	7.125	94	46242	3.579	ng	91
11) bis(2-Chloroethyl)ether	7.360	93	40373	3.806	ng	98
12) 1,3-Dichlorobenzene	7.831	146	44599	3.704	ng	97
13) 1,4-Dichlorobenzene	7.978	146	44758	3.631	ng	98
14) 1,2-Dichlorobenzene	8.301	146	43678	3.635	ng	96
15) Benzyl Alcohol	8.184	79	31650	3.061	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.484	45	55343	3.802	ng	98
17) 2-Methylphenol	8.384	107	30683	3.390	ng	97
18) Hexachloroethane	9.031	117	16944	3.727	ng	94
19) n-Nitroso-di-n-propyla...	8.754	70	32563	3.465	ng	98
20) 3+4-Methylphenols	8.713	107	37861	3.025	ng	100
22) Acetophenone	8.766	105	62339	3.755	ng	95
24) Nitrobenzene	9.148	77	47127	3.799	ng	98
25) Isophorone	9.678	82	86300	3.882	ng	99
26) 2-Nitrophenol	9.866	139	16131	2.932	ng	98
27) 2,4-Dimethylphenol	9.925	122	33823	3.927	ng	95
28) bis(2-Chloroethoxy)met...	10.160	93	50915	3.577	ng	96
29) 2,4-Dichlorophenol	10.401	162	30343	3.032	ng	98
30) 1,2,4-Trichlorobenzene	10.619	180	42628	3.747	ng	96
31) Naphthalene	10.807	128	128675	3.818	ng	100
32) Benzoic acid	9.984	122	7646	1.073	ng	# 70
33) 4-Chloroaniline	10.919	127	41455	3.118	ng	99
34) Hexachlorobutadiene	11.101	225	25982	3.606	ng	95
35) Caprolactam	11.666	113	11074m	3.183	ng	
36) 4-Chloro-3-methylphenol	12.036	107	35246	3.073	ng	100
37) 2-Methylnaphthalene	12.419	142	88048	3.662	ng	99
38) 1-Methylnaphthalene	12.636	142	89414	3.801	ng	98
40) 1,2,4,5-Tetrachloroben...	12.783	216	49341	3.732	ng	98
41) Hexachlorocyclopentadiene	12.772	237	28238	3.688	ng	99
43) 2,4,6-Trichlorophenol	13.019	196	26525	2.906	ng	97

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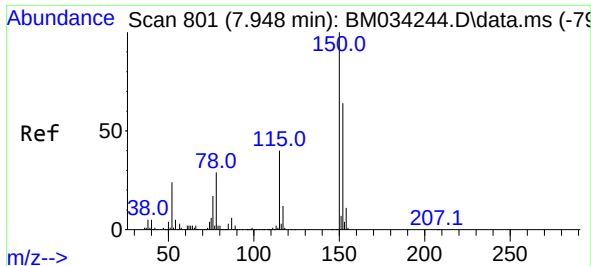
Manual Integrations
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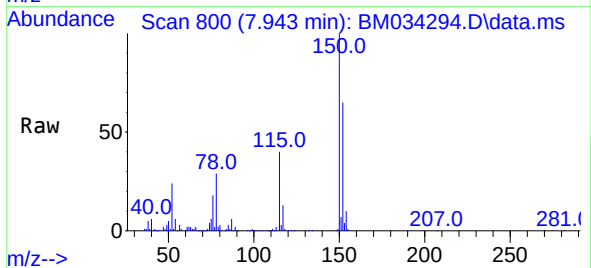
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	28459	2.904	ng	97
46) 1,1'-Biphenyl	13.419	154	127802	3.825	ng	99
47) 2-Chloronaphthalene	13.460	162	93222	3.635	ng	97
48) 2-Nitroaniline	13.660	65	21409	2.731	ng	97
49) Acenaphthylene	14.307	152	148745	3.722	ng	99
50) Dimethylphthalate	14.036	163	122953	3.687	ng	100
51) 2,6-Dinitrotoluene	14.148	165	23498	3.435	ng	94
52) Acenaphthene	14.648	154	95912	3.563	ng	97
53) 3-Nitroaniline	14.483	138	17331	2.526	ng	# 88
54) 2,4-Dinitrophenol	14.683	184	5795	1.512	ng	96
55) Dibenzofuran	14.977	168	148716	3.707	ng	100
56) 4-Nitrophenol	14.789	139	10318m	1.855	ng	
57) 2,4-Dinitrotoluene	14.936	165	28278	3.059	ng	97
58) Fluorene	15.624	166	120384	3.696	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.207	232	28763	3.255	ng	99
60) Diethylphthalate	15.395	149	126160	3.688	ng	99
61) 4-Chlorophenyl-phenyle...	15.619	204	59499	3.578	ng	95
62) 4-Nitroaniline	15.642	138	15645m	2.370	ng	
63) Azobenzene	15.913	77	114246	3.463	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	12153	1.988	ng	85
66) n-Nitrosodiphenylamine	15.830	169	100448	3.363	ng	98
67) 4-Bromophenyl-phenylether	16.513	248	36920	3.416	ng	98
68) Hexachlorobenzene	16.636	284	44638	3.703	ng	98
69) Atrazine	16.777	200	36516	3.710	ng	99
70) Pentachlorophenol	16.971	266	21205	2.751	ng	97
71) Phenanthrene	17.366	178	194185	3.689	ng	98
72) Anthracene	17.454	178	181351	3.539	ng	99
73) Carbazole	17.724	167	144286	3.019	ng	96
74) Di-n-butylphthalate	18.289	149	192879	3.247	ng	99
75) Fluoranthene	19.377	202	220750	3.741	ng	99
77) Benzidine	19.571	184	53518m	3.738	ng	
78) Pyrene	19.736	202	231483	3.363	ng	98
80) Butylbenzylphthalate	20.630	149	84987	2.920	ng	98
81) Benzo(a)anthracene	21.477	228	225522	3.658	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	60136	2.920	ng	97
83) Chrysene	21.530	228	221117	3.512	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	128902	2.999	ng	98
85) Di-n-octyl phthalate	22.336	149	214330	3.141	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	174220	2.762	ng	99
88) Benzo(b)fluoranthene	23.171	252	201554	3.438	ng	100
89) Benzo(k)fluoranthene	23.218	252	225648	3.633	ng	99
90) Benzo(a)pyrene	23.800	252	184857	3.719	ng	100
91) Dibenzo(a,h)anthracene	26.441	278	145554	2.846	ng	98
92) Benzo(g,h,i)perylene	27.194	276	169573	3.203	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 80
Delta R.T. -0.005 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

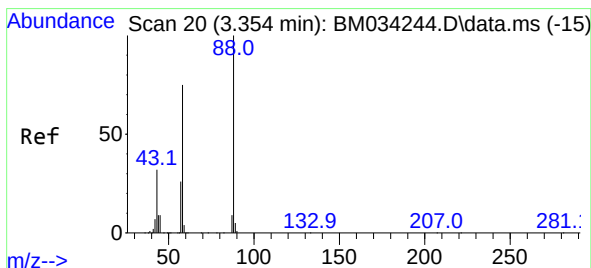
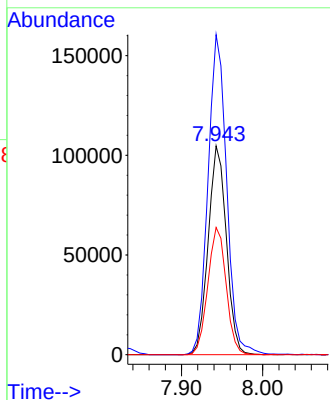
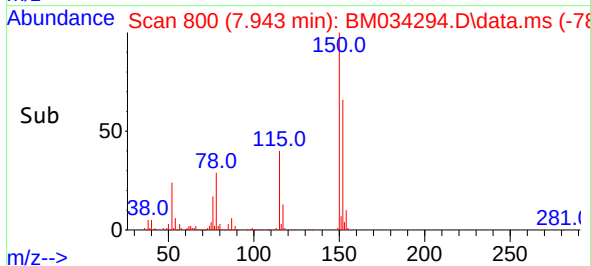
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:152 Resp: 16279
Ion Ratio Lower Upper
152 100
150 153.2 125.4 188.2
115 60.9 50.1 75.1

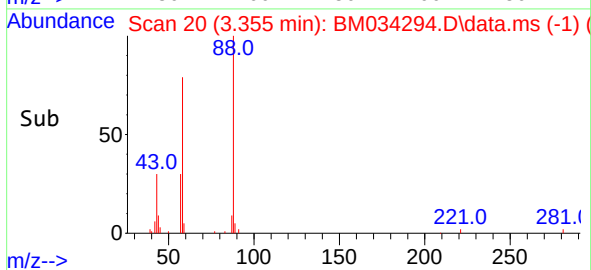
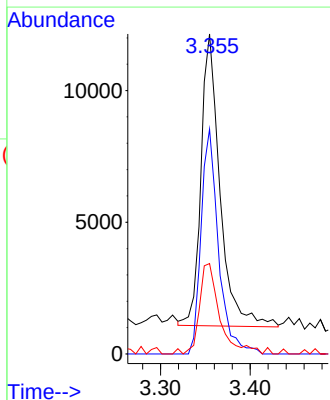
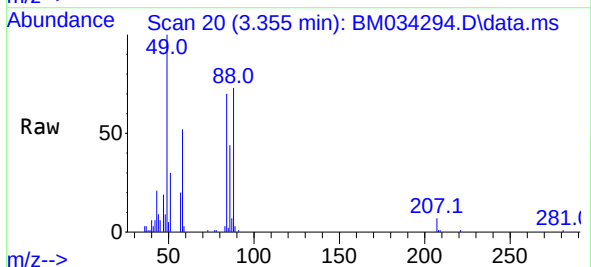
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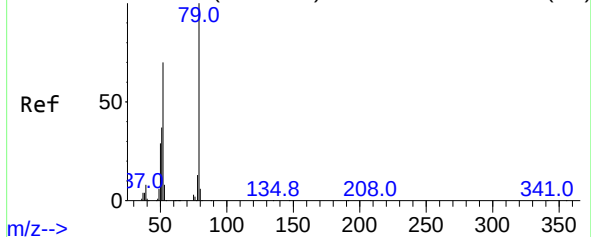


#2
1,4-Dioxane
Concen: 3.973 ng
RT: 3.355 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion: 88 Resp: 16313
Ion Ratio Lower Upper
88 100
58 70.5 60.4 90.6
43 33.5 25.4 38.0



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



#3

Pyridine

Concen: 2.964 ng m

RT: 3.772 min Scan# 90

Delta R.T. 0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:	79	Resp:	3293
Ion	Ratio	Lower	Upper
79	100		
52	73.9	56.1	84.1
51	56.3	30.4	45.6

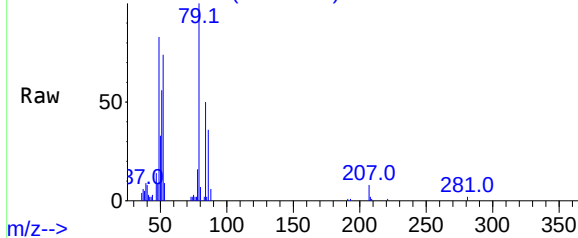
Manual Integrations

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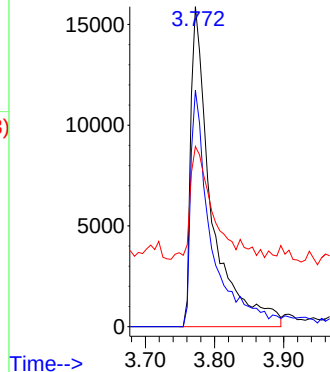
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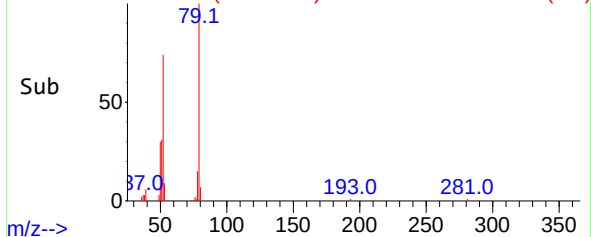
Abundance Scan 91 (3.772 min): BM034294.D\data.ms



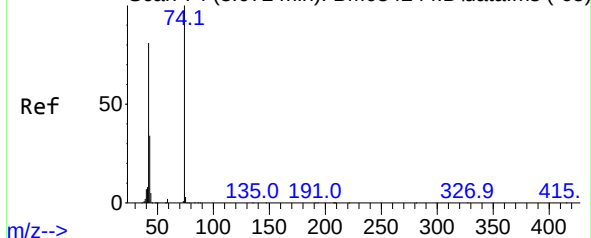
Abundance



Abundance Scan 91 (3.772 min): BM034294.D\data.ms (-73)



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



#4

n-Nitrosodimethylamine

Concen: 3.336 ng

RT: 3.672 min Scan# 74

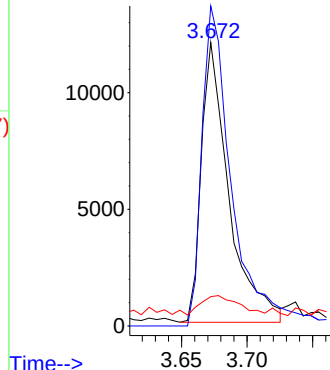
Delta R.T. 0.000 min

Lab File: BM034294.D

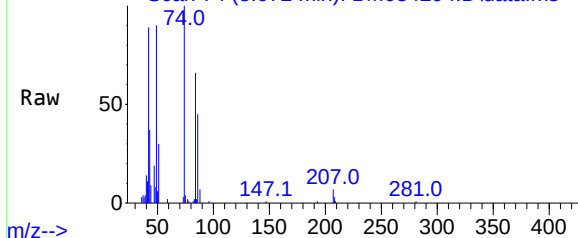
Acq: 21 Mar 2022 18:53

Tgt Ion:	42	Resp:	17599
Ion	Ratio	Lower	Upper
42	100		
74	112.9	99.3	148.9
44	10.3	5.0	7.6

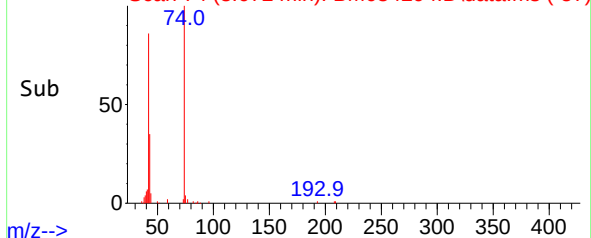
Abundance

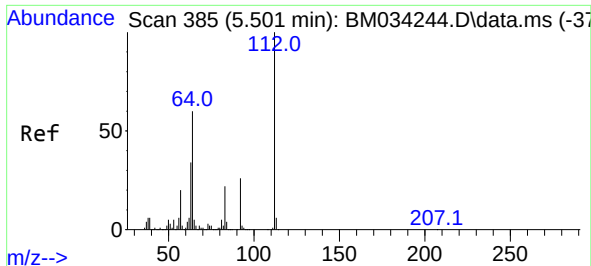


Abundance Scan 74 (3.672 min): BM034294.D\data.ms



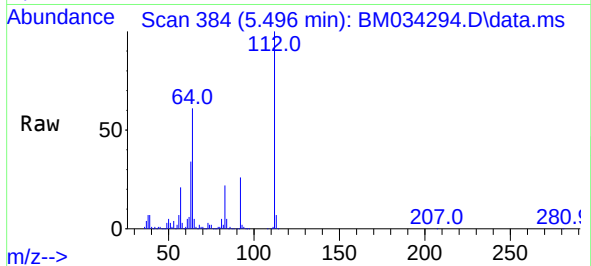
Abundance Scan 74 (3.672 min): BM034294.D\data.ms (-57)





#5
2-Fluorophenol
Concen: 115.067 ng
RT: 5.496 min Scan# 385
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

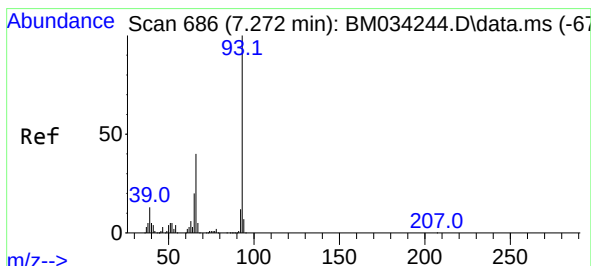
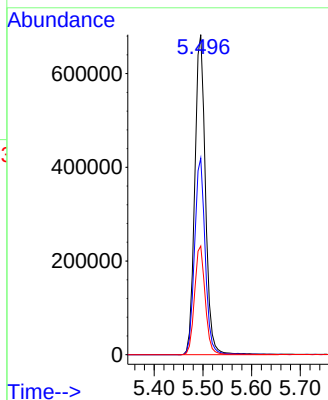
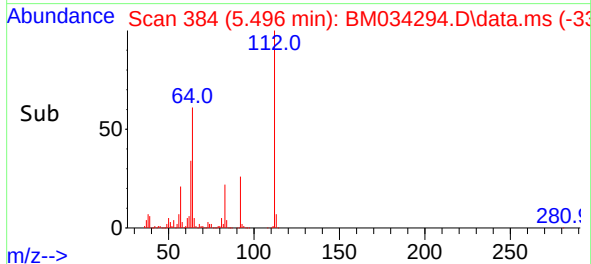
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 112 Resp: 1044189
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 33.9 27.1 40.7

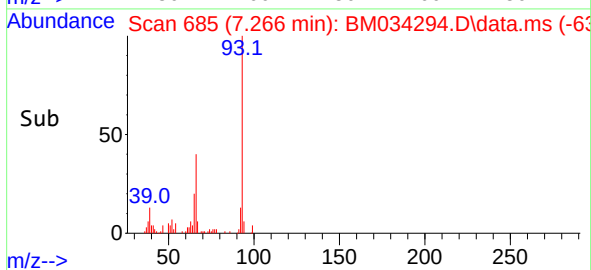
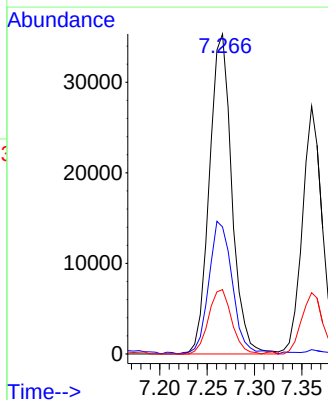
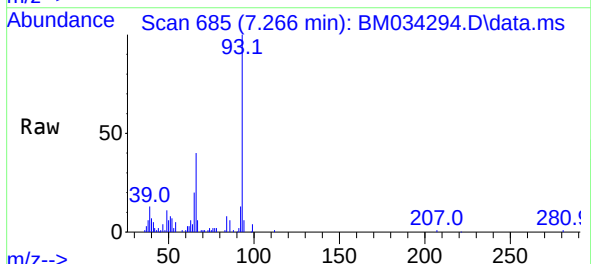
Manual Integrations
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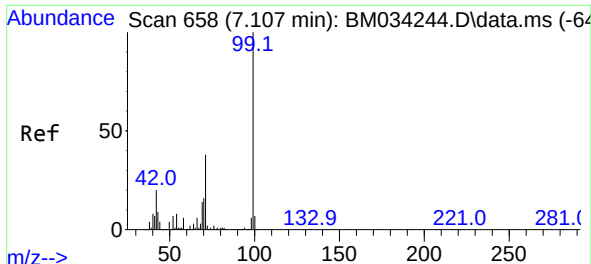
Reviewed By :Christian Giraldo 03/22/2022
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#6
Aniline
Concen: 3.917 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

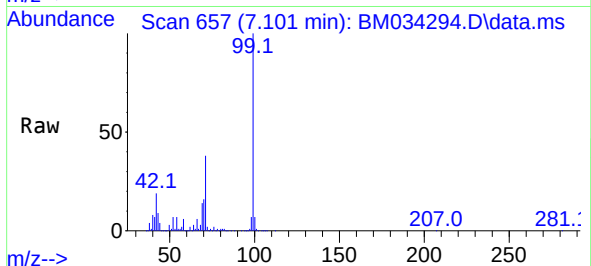
Tgt Ion: 93 Resp: 58152
Ion Ratio Lower Upper
93 100
66 39.7 31.9 47.9
65 20.1 16.2 24.4





#7
Phenol-d6
Concen: 116.160 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

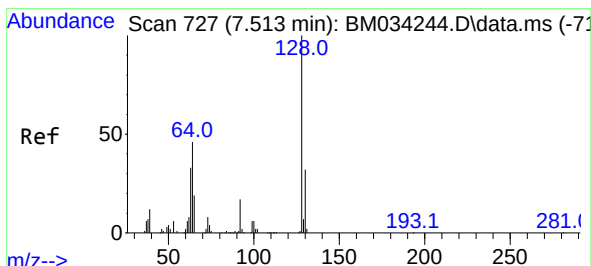
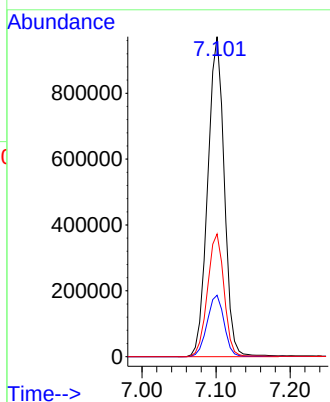
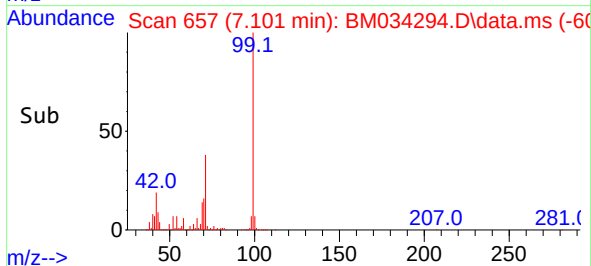
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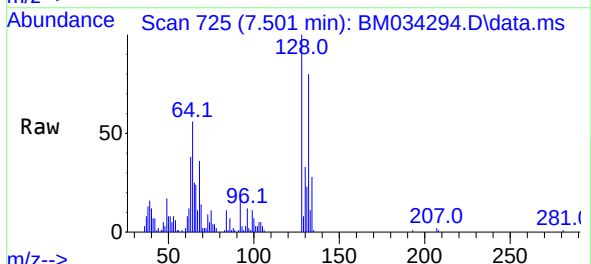
Tgt Ion: 99 Resp: 1509230
Ion Ratio Lower Upper
99 100
42 19.2 15.6 23.4
71 38.4 30.6 46.0

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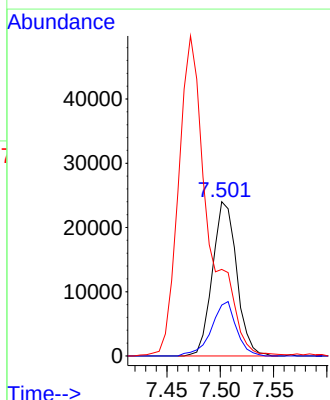
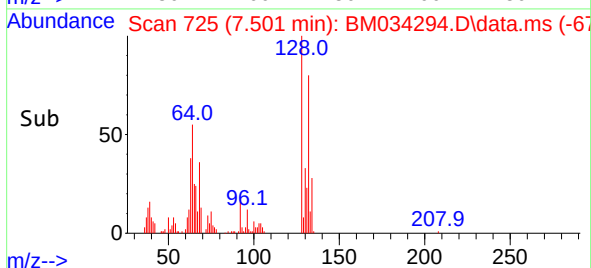
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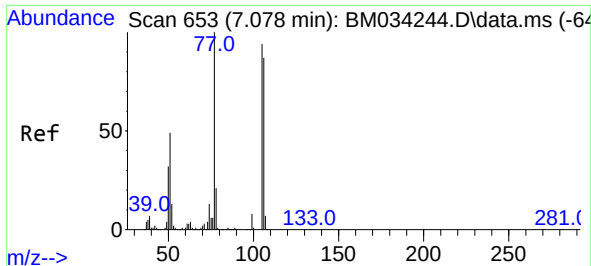


#8
2-Chlorophenol
Concen: 3.574 ng
RT: 7.501 min Scan# 725
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



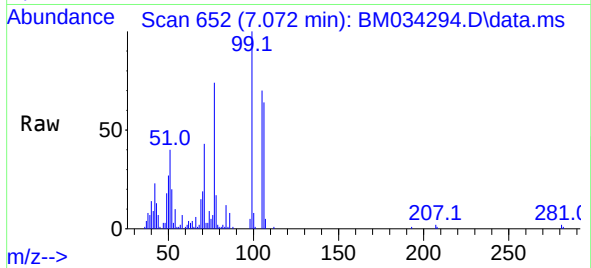
Tgt Ion:128 Resp: 37931
Ion Ratio Lower Upper
128 100
130 33.0 12.3 52.3
64 56.1 28.1 68.1





#9
Benzaldehyde
Concen: 5.535 ng m
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

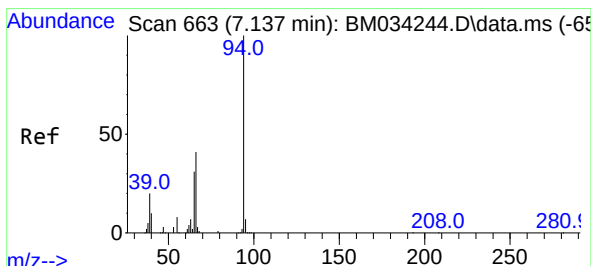
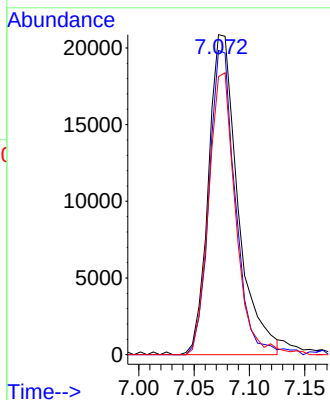
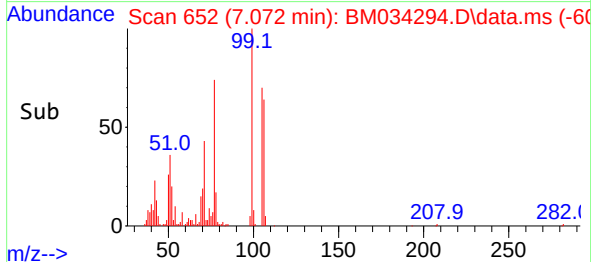
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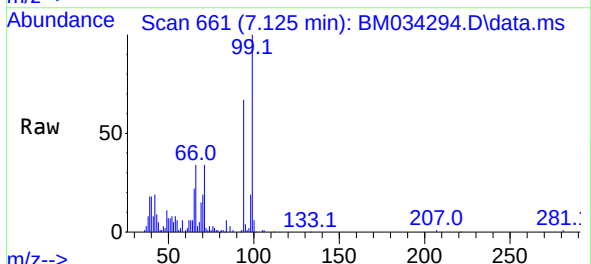
Tgt Ion: 77 Resp: 38744
Ion Ratio Lower Upper
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106 86.9 67.2 107.2

Manual Integrations
APPROVED

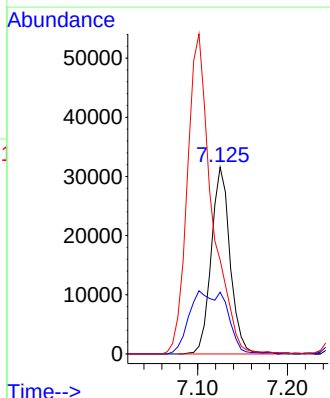
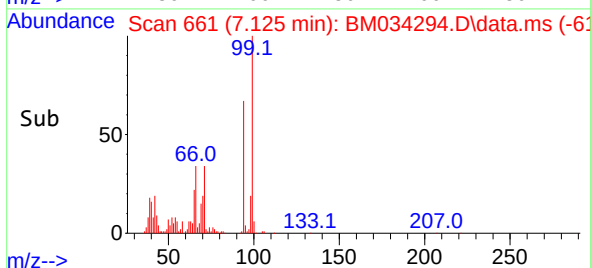
Reviewed By :Christian Giraldo 03/22/2022
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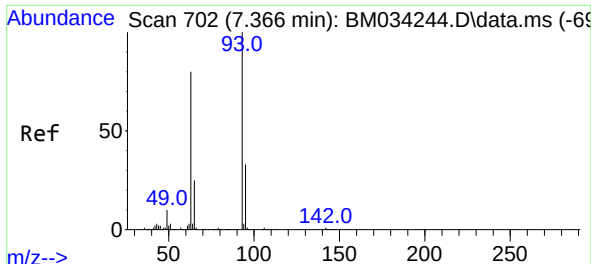


#10
Phenol
Concen: 3.579 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



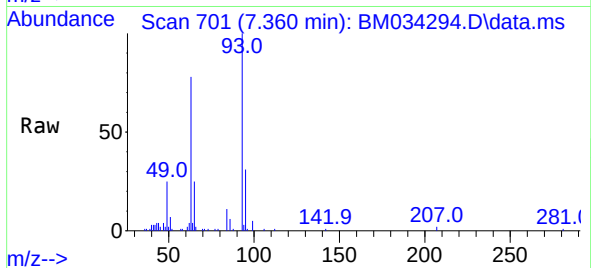
Tgt Ion: 94 Resp: 46242
Ion Ratio Lower Upper
94 100
65 33.1 10.9 50.9
66 50.4 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 3.806 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

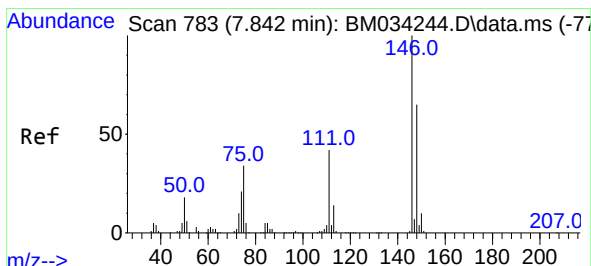
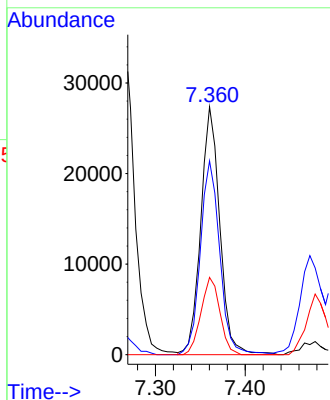
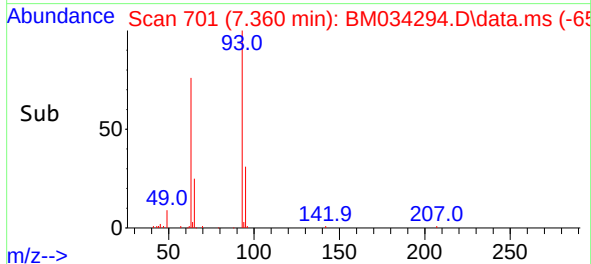
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



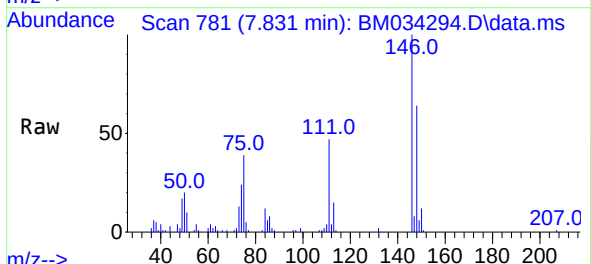
Tgt Ion: 93 Resp: 4037
Ion Ratio Lower Upper
93 100
63 78.2 59.6 99.6
95 31.2 12.6 52.6

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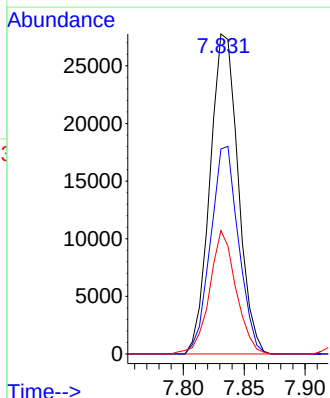
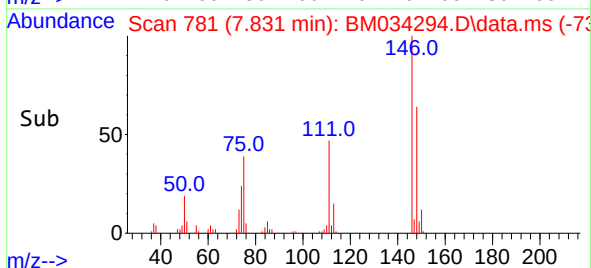
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

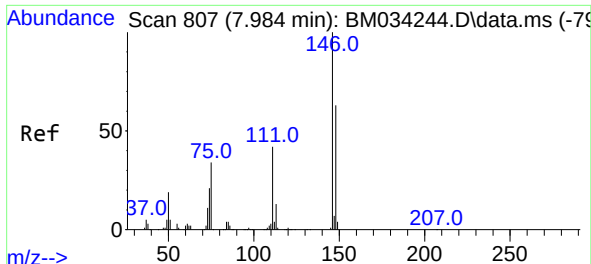


#12
1,3-Dichlorobenzene
Concen: 3.704 ng
RT: 7.831 min Scan# 781
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



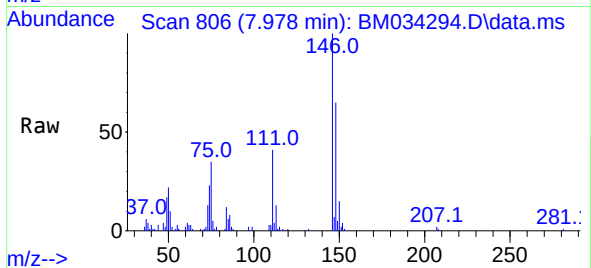
Tgt Ion:146 Resp: 44599
Ion Ratio Lower Upper
146 100
148 64.1 51.8 77.8
75 38.6 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 3.631 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

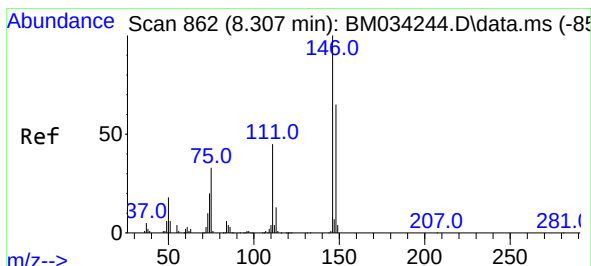
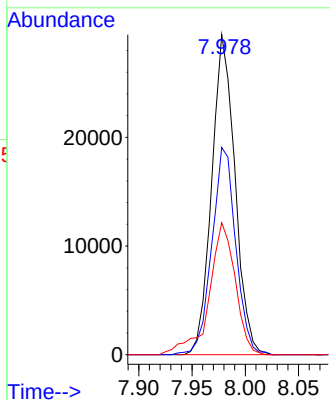
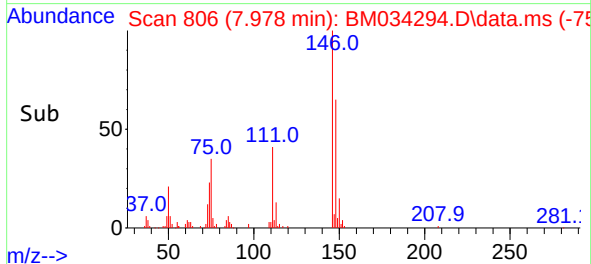
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



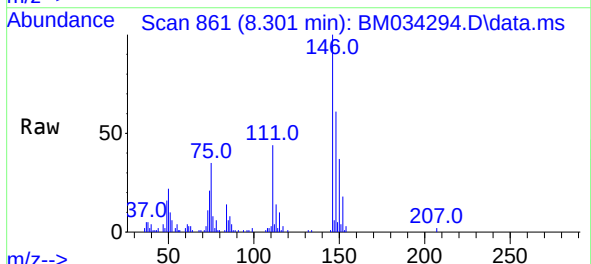
Tgt Ion:146 Resp: 44758
Ion Ratio Lower Upper
146 100
148 64.8 50.6 76.0
111 41.3 34.0 51.0

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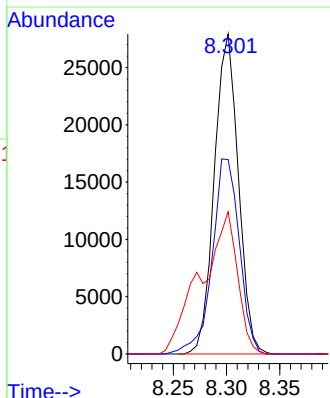
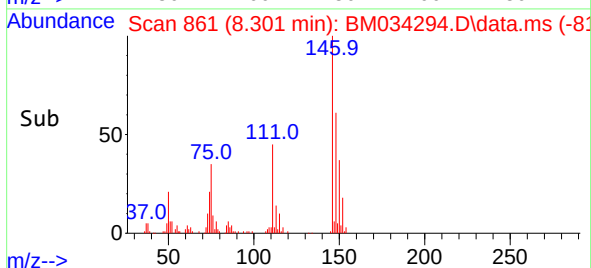
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

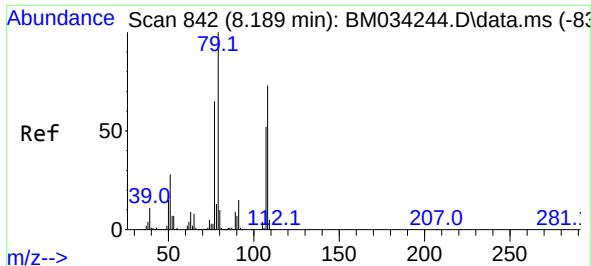


#14
1,2-Dichlorobenzene
Concen: 3.635 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



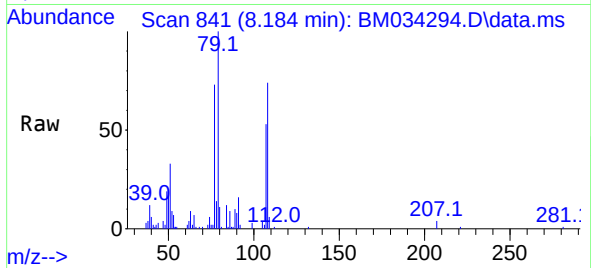
Tgt Ion:146 Resp: 43678
Ion Ratio Lower Upper
146 100
148 60.7 52.2 78.4
111 44.5 35.8 53.8





#15
Benzyl Alcohol
Concen: 3.061 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

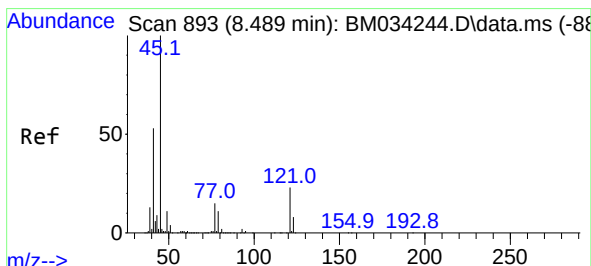
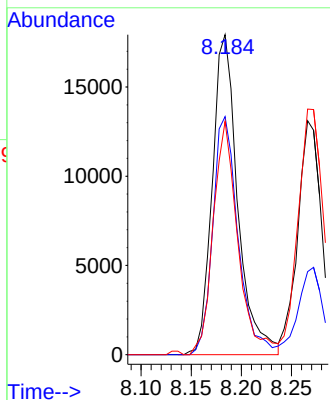
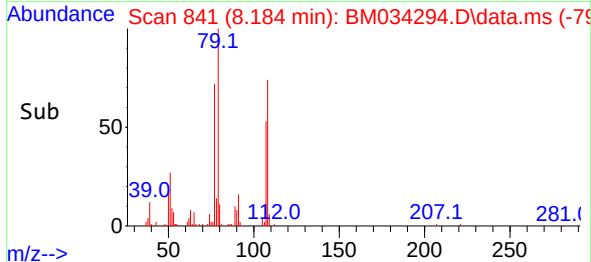
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 79 Resp: 31650
Ion Ratio Lower Upper
79 100
108 74.4 58.1 87.1
77 72.9 51.8 77.6

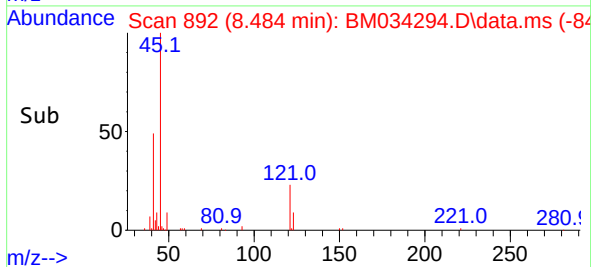
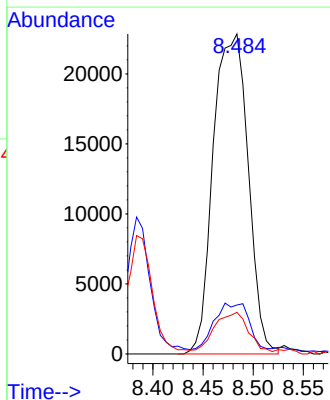
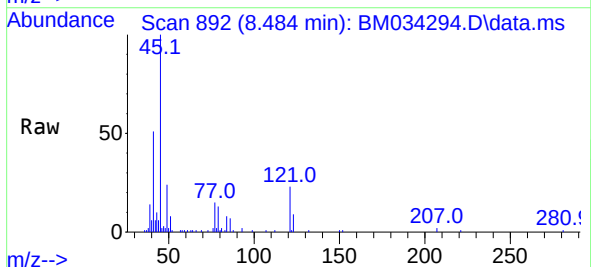
Manual Integrations
APPROVED

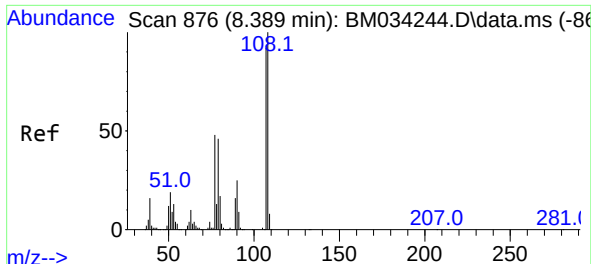
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.802 ng
RT: 8.484 min Scan# 892
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

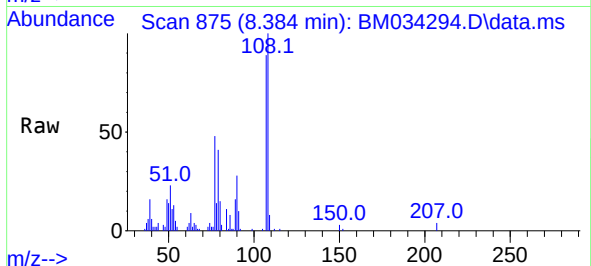
Tgt Ion: 45 Resp: 55343
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.7
79 13.0 0.0 31.7





#17
2-Methylphenol
Concen: 3.390 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

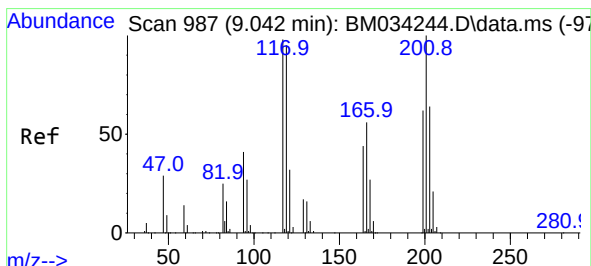
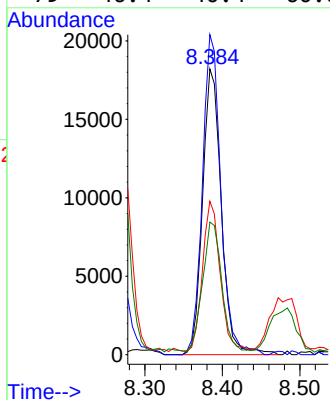
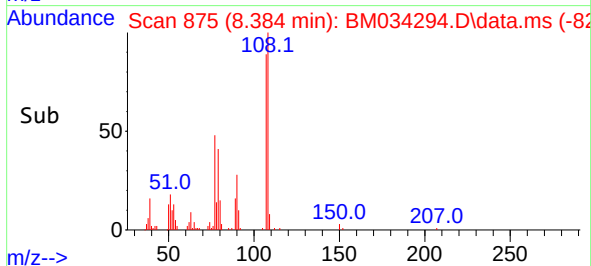
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:107 Resp: 3068
Ion Ratio Lower Upper
107 100
108 112.0 87.3 130.9
77 53.7 41.6 62.4
79 46.4 40.4 60.6

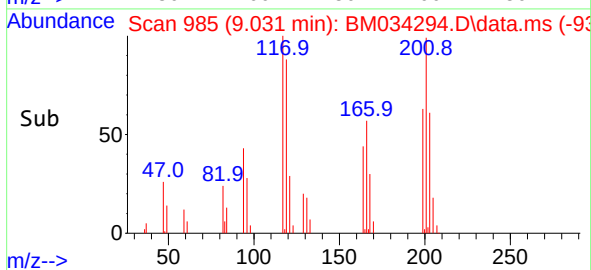
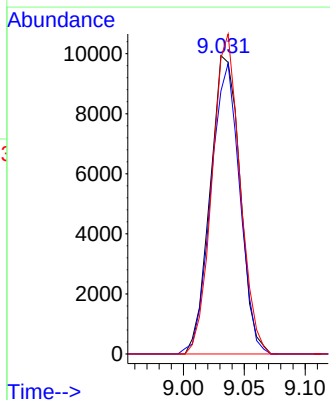
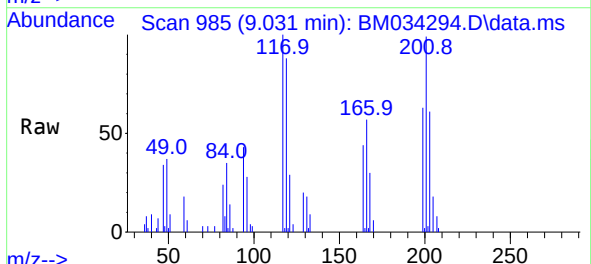
Manual Integrations
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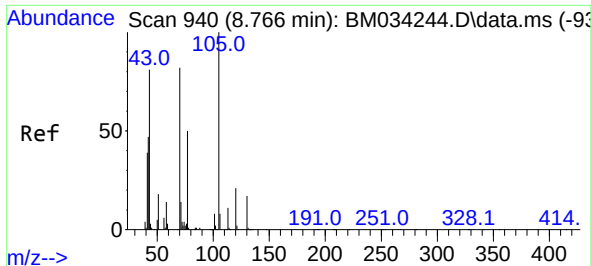
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#18
Hexachloroethane
Concen: 3.727 ng
RT: 9.031 min Scan# 985
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

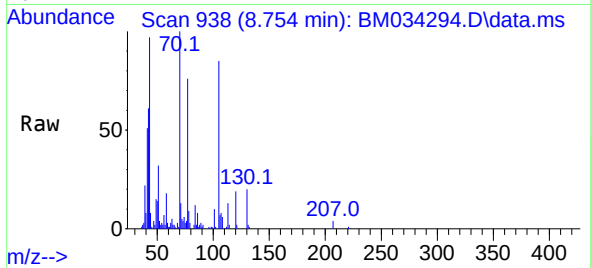
Tgt Ion:117 Resp: 16944
Ion Ratio Lower Upper
117 100
119 88.1 77.4 116.0
201 99.1 81.6 122.4





#19
n-Nitroso-di-n-propylamine
Concen: 3.465 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

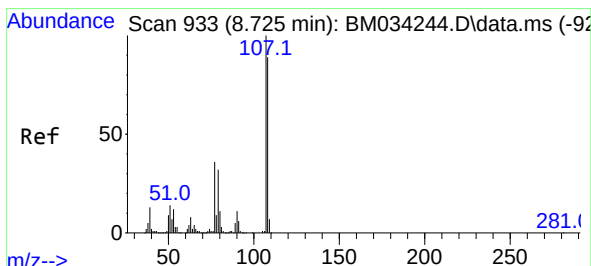
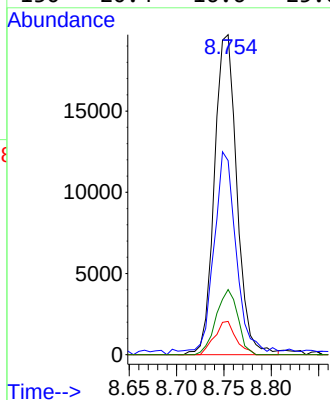
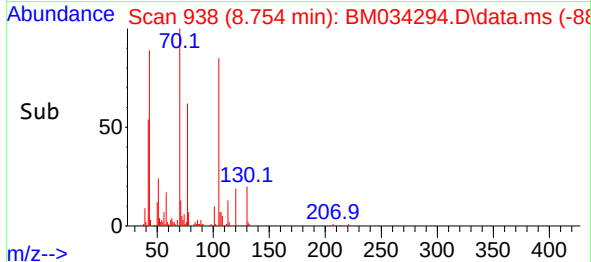
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



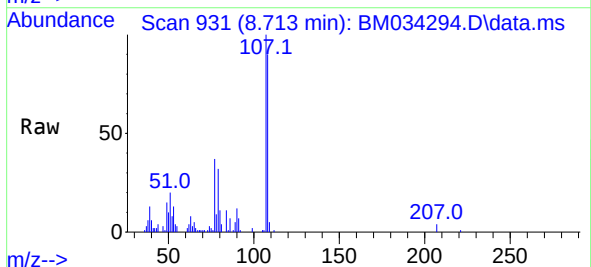
Tgt Ion: 70 Resp: 3256
Ion Ratio Lower Upper
70 100
42 60.7 46.7 70.1
101 10.4 7.8 11.6
130 20.4 16.6 25.0

Manual Integrations
APPROVED

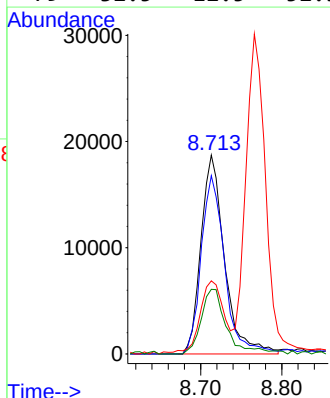
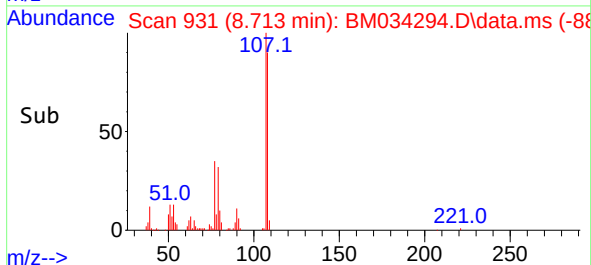
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

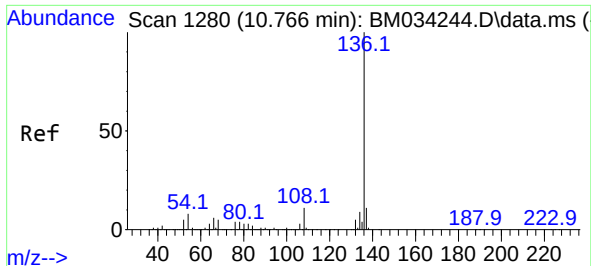


#20
3+4-Methylphenols
Concen: 3.025 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



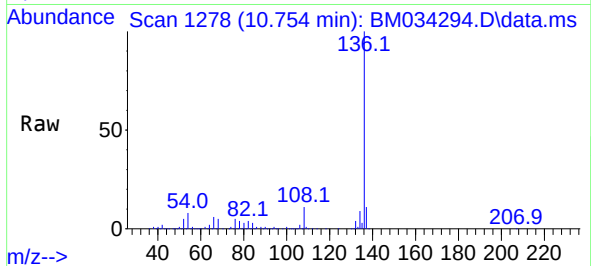
Tgt Ion:107 Resp: 37861
Ion Ratio Lower Upper
107 100
108 89.6 69.2 109.2
77 36.8 16.5 56.5
79 32.5 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

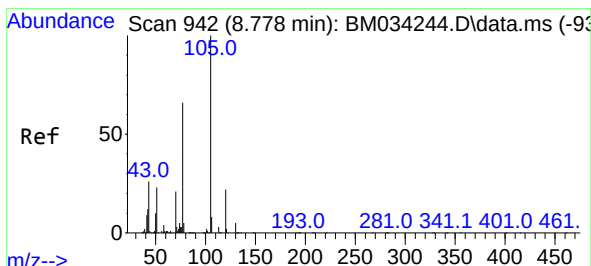
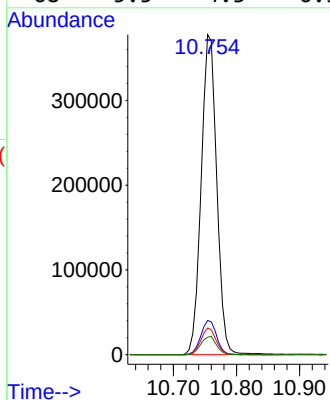
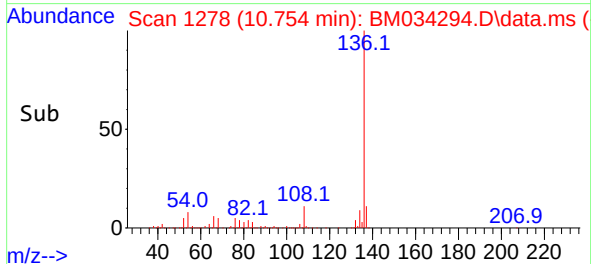


Tgt Ion:136 Resp: 646854

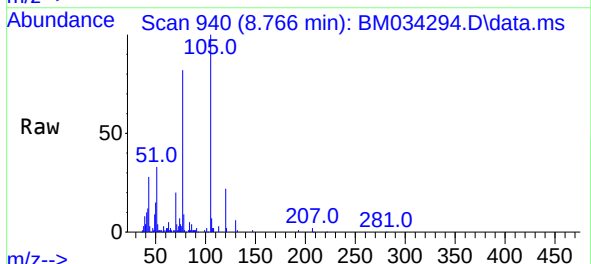
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.3	6.2	9.4
68	5.5	4.3	6.5

Manual Integrations
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Supervised By :Jagrut Upadhyay 03/22/2022

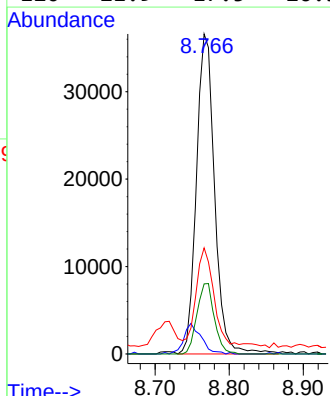
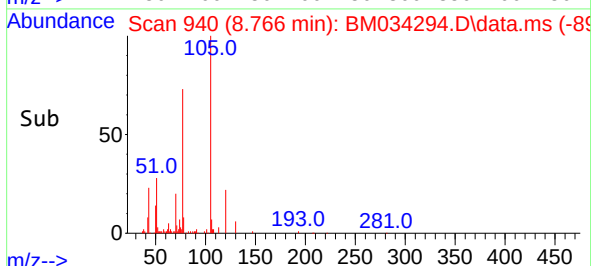


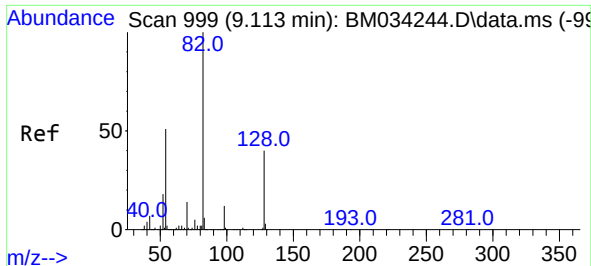
#22
Acetophenone
Concen: 3.755 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



Tgt Ion:105 Resp: 62339

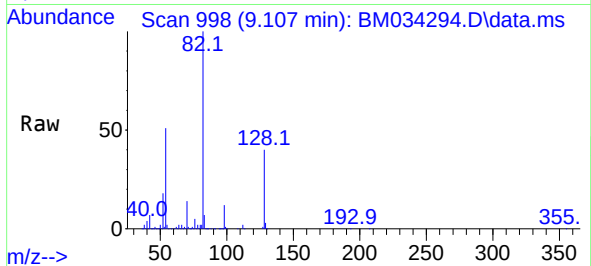
Ion	Ratio	Lower	Upper
105	100		
71	4.1	3.0	4.4
51	33.2	22.6	33.8
120	21.9	17.5	26.3





#23
Nitrobenzene-d5
Concen: 88.046 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

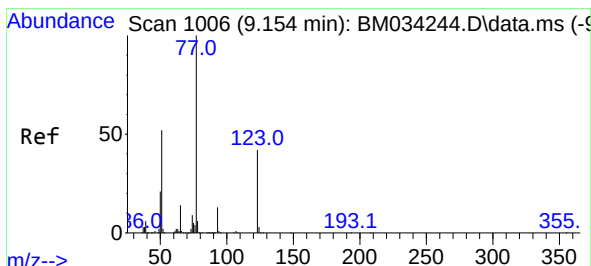
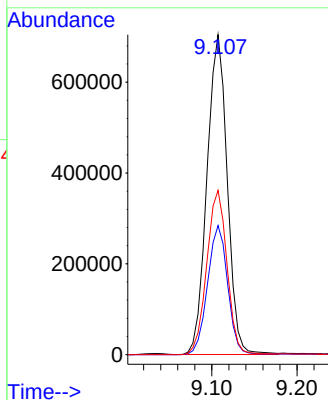
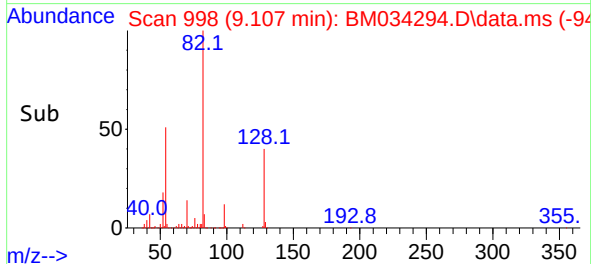
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 82 Resp: 1169780
Ion Ratio Lower Upper
82 100
128 40.3 31.9 47.9
54 51.3 40.6 61.0

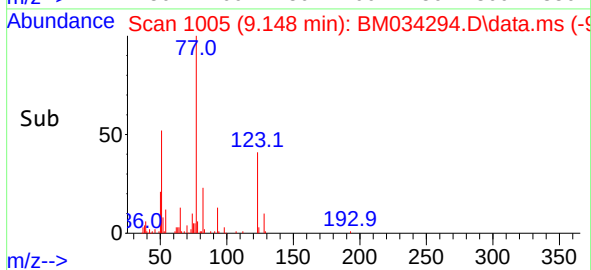
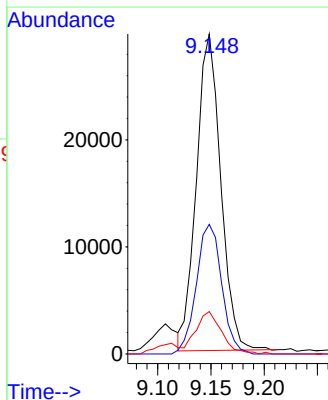
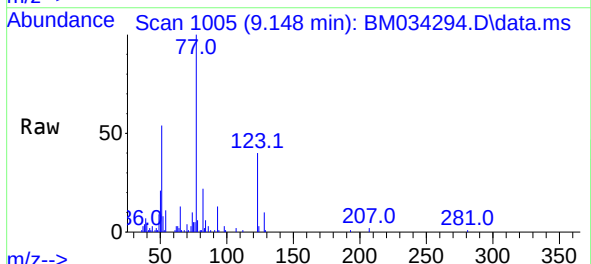
Manual Integrations
APPROVED

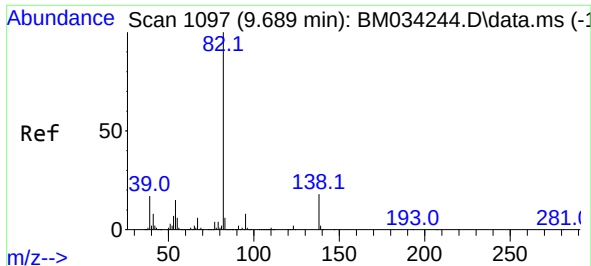
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#24
Nitrobenzene
Concen: 3.799 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

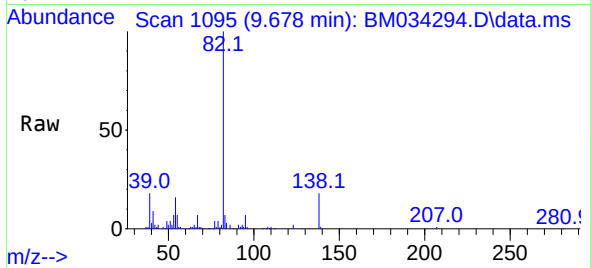
Tgt Ion: 77 Resp: 47127
Ion Ratio Lower Upper
77 100
123 40.5 33.3 49.9
65 13.2 11.0 16.4





#25
Isophorone
Concen: 3.882 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

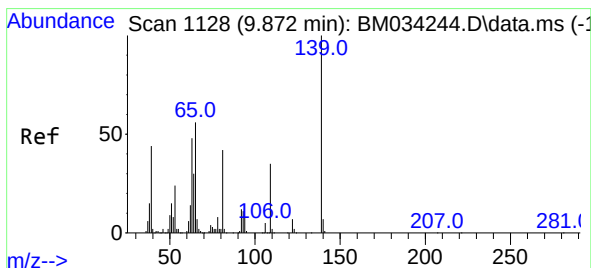
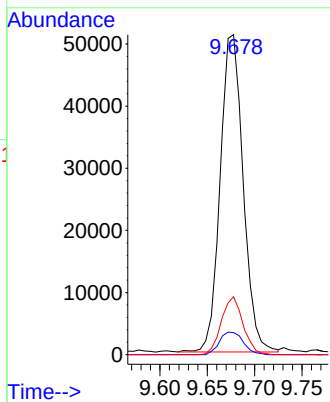
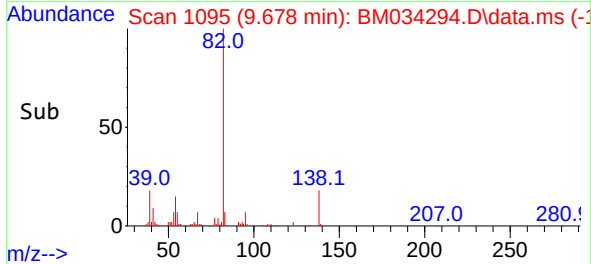
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 82 Resp: 86300
Ion Ratio Lower Upper
82 100
95 6.9 6.6 9.8
138 18.1 14.4 21.6

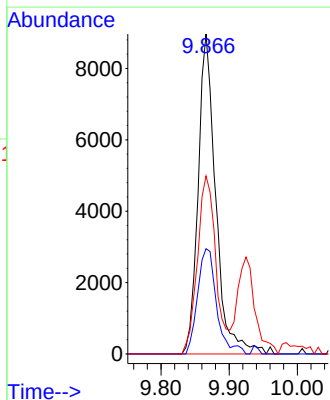
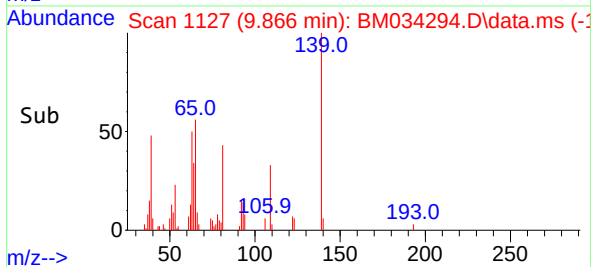
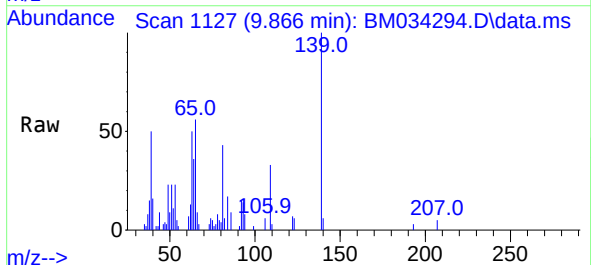
Manual Integrations
APPROVED

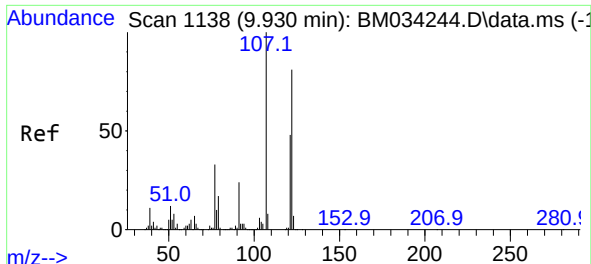
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#26
2-Nitrophenol
Concen: 2.932 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

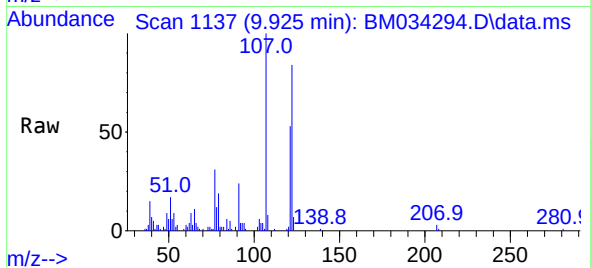
Tgt Ion:139 Resp: 16131
Ion Ratio Lower Upper
139 100
109 32.9 28.1 42.1
65 55.6 44.6 67.0





#27
2,4-Dimethylphenol
Concen: 3.927 ng
RT: 9.925 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

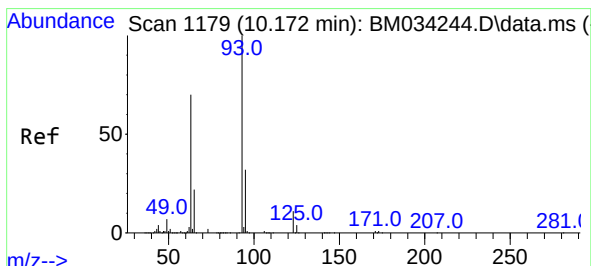
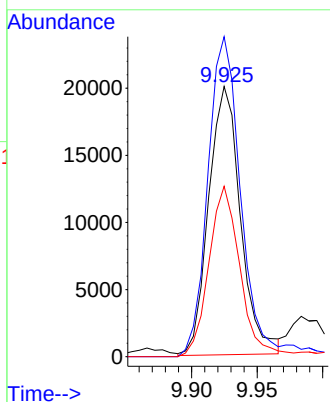
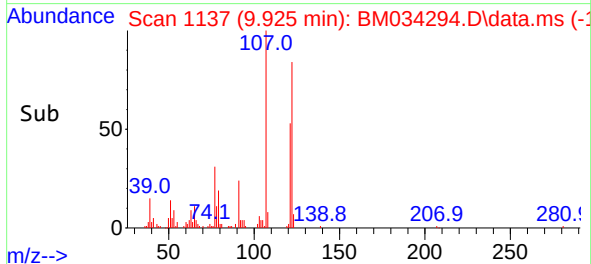
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



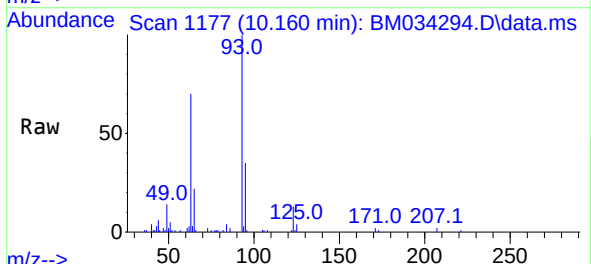
Tgt Ion:122 Resp: 3382
Ion Ratio Lower Upper
122 100
107 118.4 99.0 148.6
121 63.1 47.7 71.5

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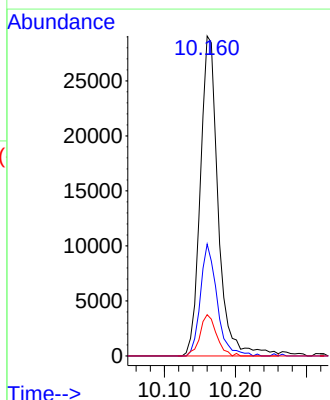
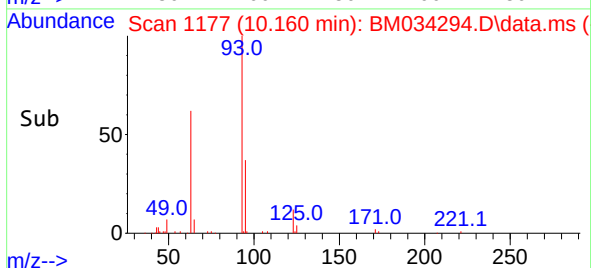
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

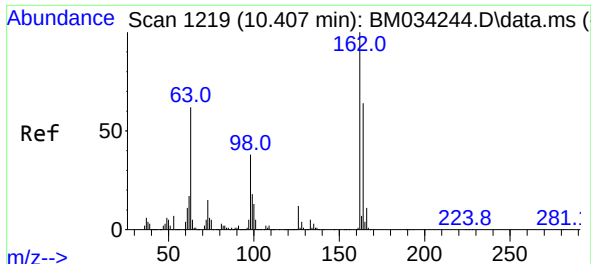


#28
bis(2-Chloroethoxy)methane
Concen: 3.577 ng
RT: 10.160 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



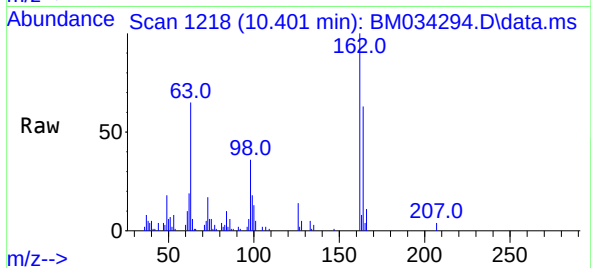
Tgt Ion: 93 Resp: 50915
Ion Ratio Lower Upper
93 100
95 35.0 26.0 39.0
123 12.9 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 3.032 ng
RT: 10.401 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

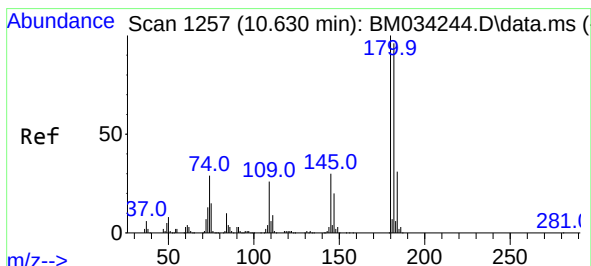
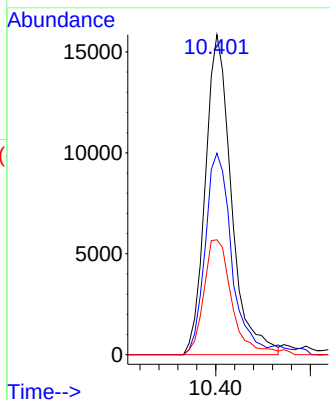
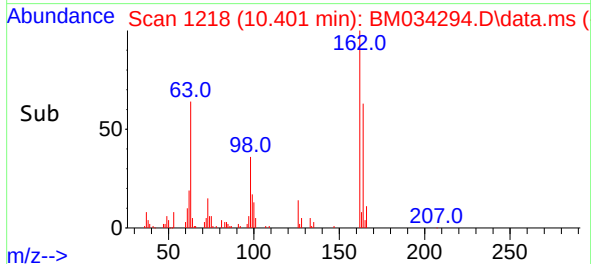
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



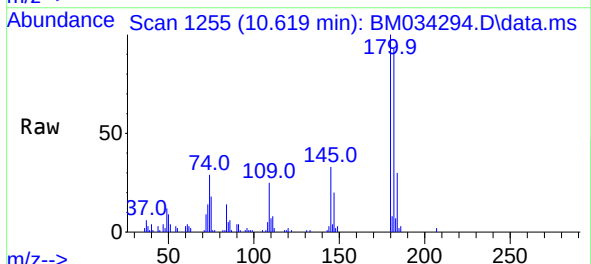
Tgt Ion:162 Resp: 3034
Ion Ratio Lower Upper
162 100
164 62.9 43.9 83.9
98 35.9 17.6 57.6

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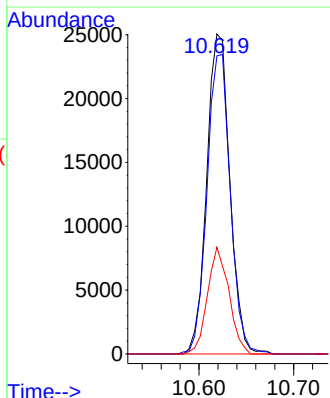
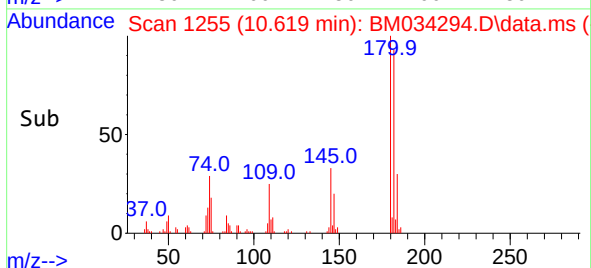
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

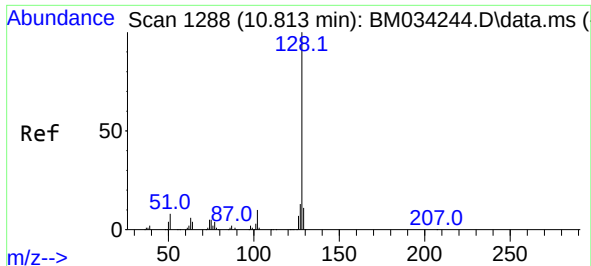


#30
1,2,4-Trichlorobenzene
Concen: 3.747 ng
RT: 10.619 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



Tgt Ion:180 Resp: 42628
Ion Ratio Lower Upper
180 100
182 93.2 77.0 115.4
145 33.3 23.7 35.5





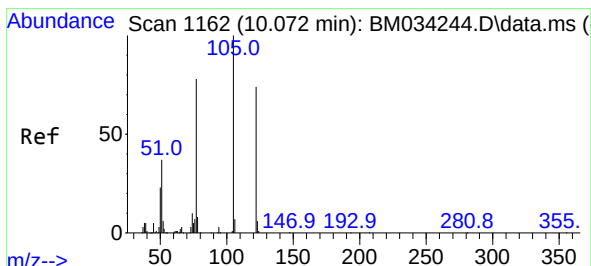
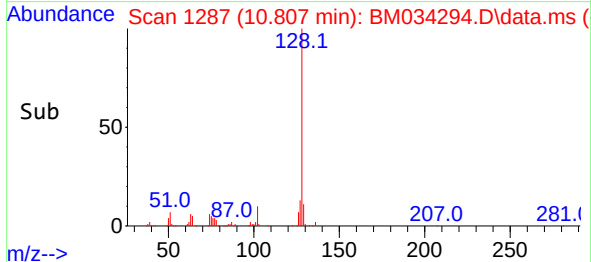
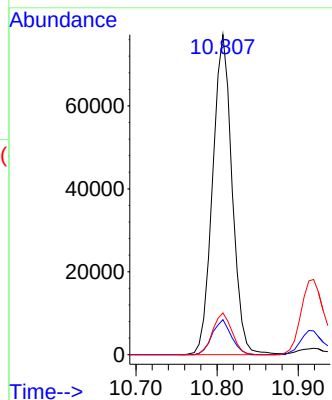
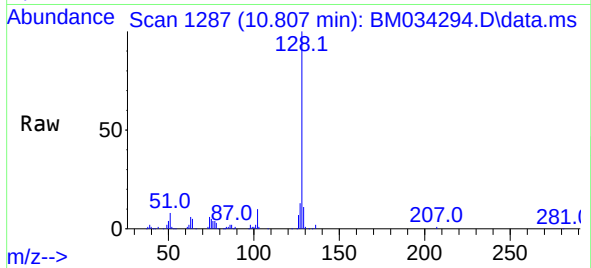
#31
Naphthalene
Concen: 3.818 ng
RT: 10.807 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

Tgt Ion:128 Resp: 12867
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.2 15.4

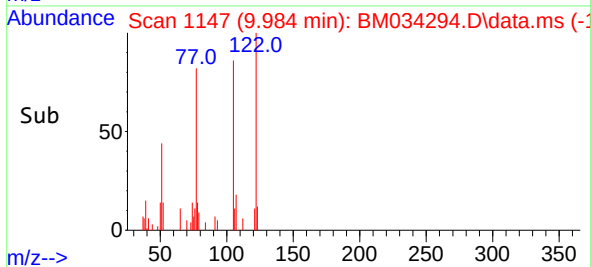
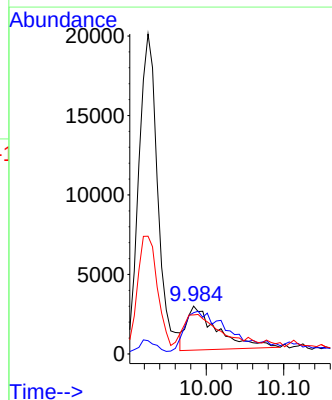
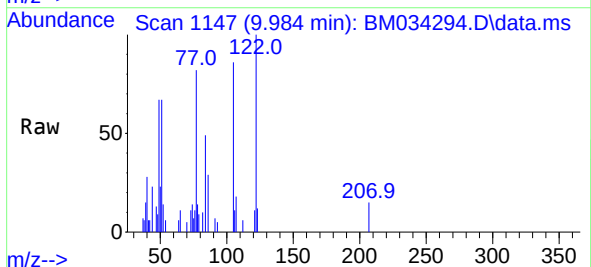
Manual Integrations
APPROVED

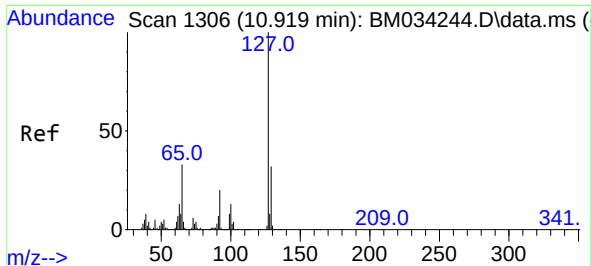
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#32
Benzoic acid
Concen: 1.073 ng
RT: 9.984 min Scan# 1147
Delta R.T. -0.088 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

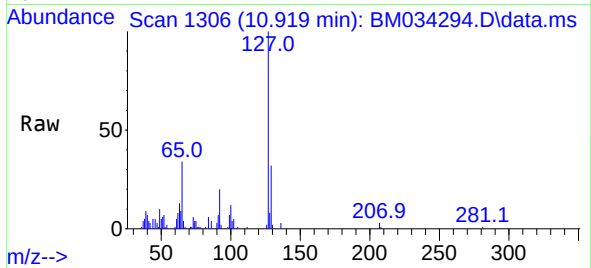
Tgt Ion:122 Resp: 7646
Ion Ratio Lower Upper
122 100
105 86.2 109.6 149.6#
77 81.8 83.1 123.1#





#33
4-Chloroaniline
Concen: 3.118 ng
RT: 10.919 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

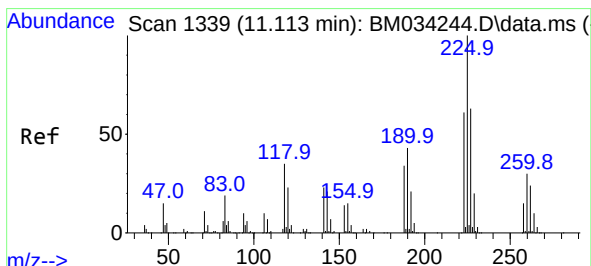
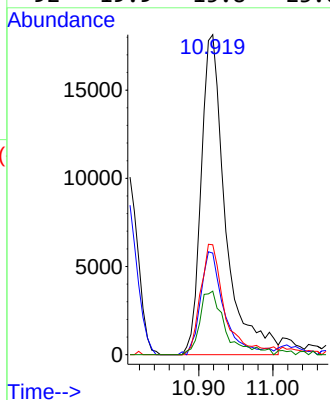
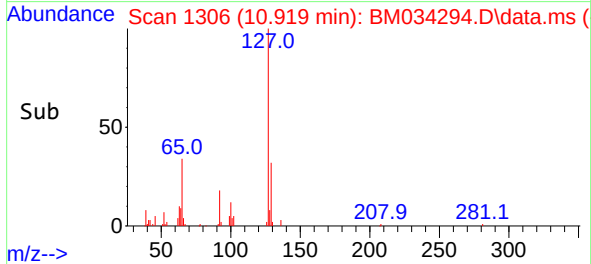


Tgt Ion:127 Resp: 4145

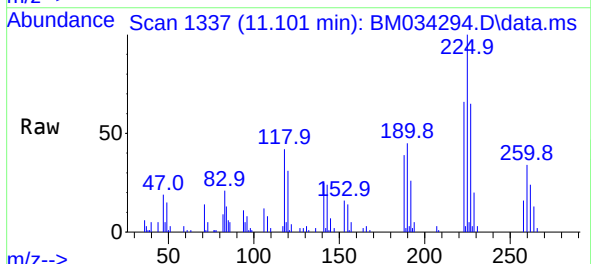
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	34.4	26.2	39.2
92	19.9	15.8	23.6

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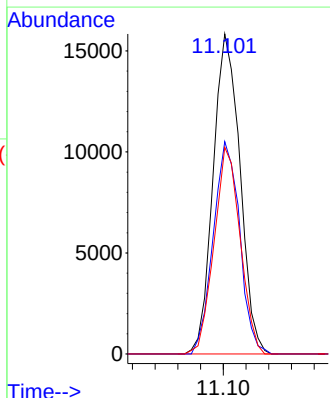
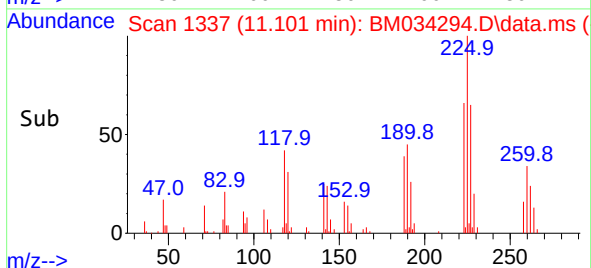


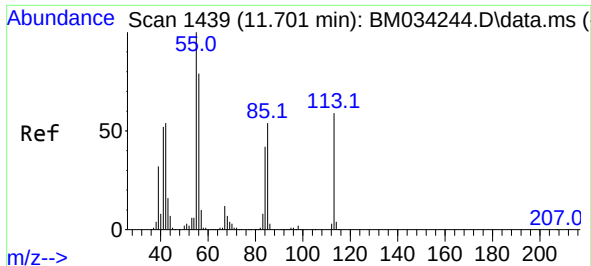
#34
Hexachlorobutadiene
Concen: 3.606 ng
RT: 11.101 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



Tgt Ion:225 Resp: 25982

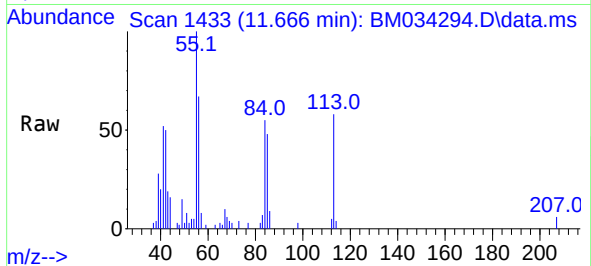
Ion	Ratio	Lower	Upper
225	100		
223	66.4	49.0	73.4
227	64.6	50.2	75.2





#35
Caprolactam
Concen: 3.183 ng m
RT: 11.666 min Scan# 1433
Delta R.T. -0.035 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

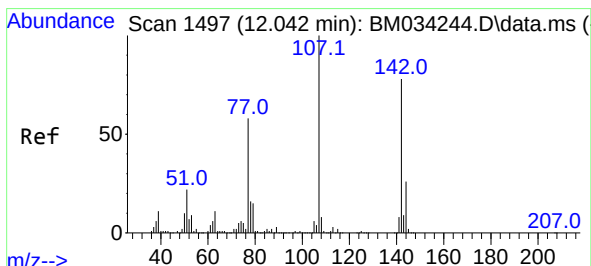
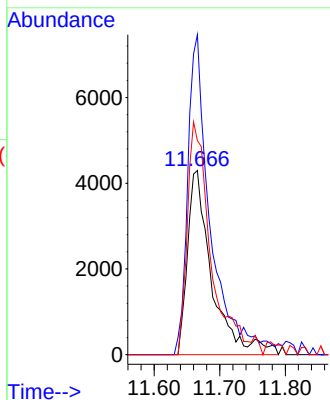
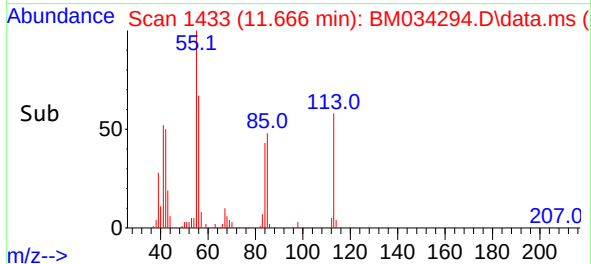
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



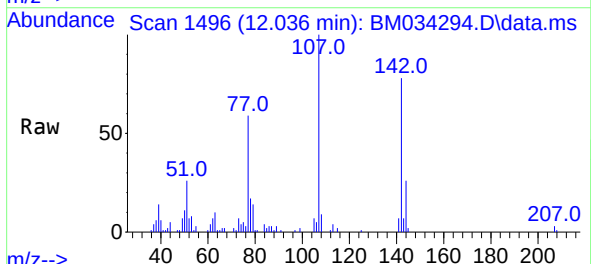
Tgt Ion:113 Resp: 11074
Ion Ratio Lower Upper
113 100
55 173.7 148.9 188.9
56 116.2 113.3 153.3

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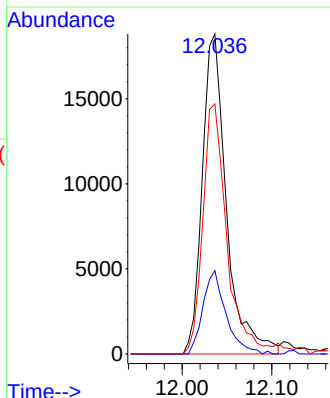
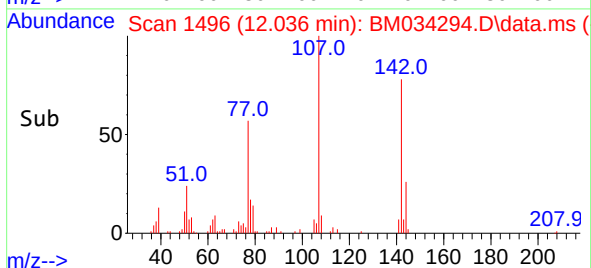
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

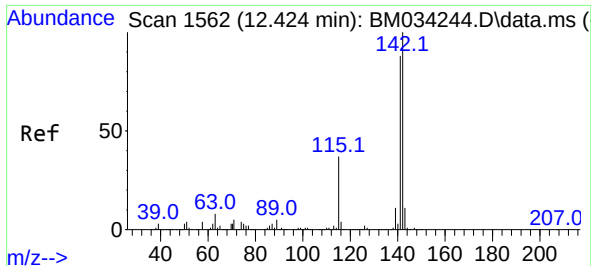


#36
4-Chloro-3-methylphenol
Concen: 3.073 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



Tgt Ion:107 Resp: 35246
Ion Ratio Lower Upper
107 100
144 26.0 20.8 31.2
142 78.1 62.7 94.1





#37

2-Methylnaphthalene

Concen: 3.662 ng

RT: 12.419 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

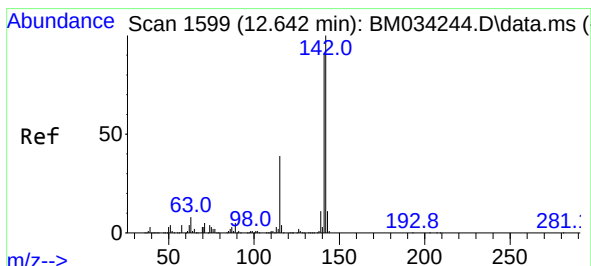
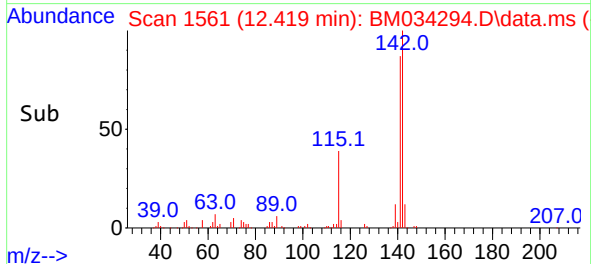
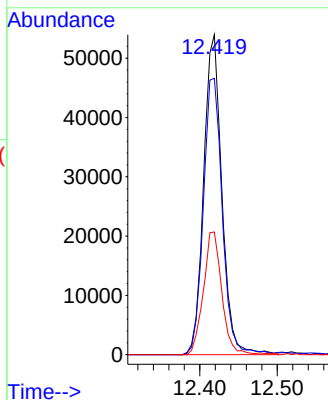
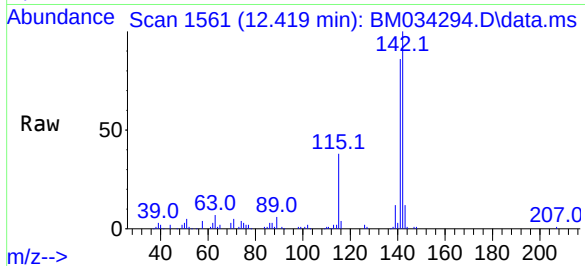
Tgt Ion:142	Resp:	8804
Ion Ratio	Lower	Upper
142	100	
141	86.3	70.1 105.1
115	38.4	29.9 44.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/22/2022

Supervised By :Jagrut Upadhyay 03/22/2022



#38

1-Methylnaphthalene

Concen: 3.801 ng

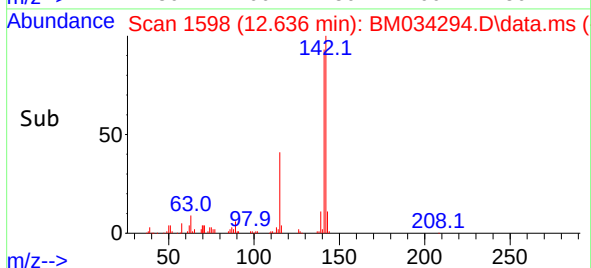
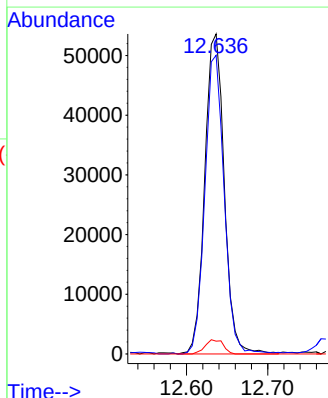
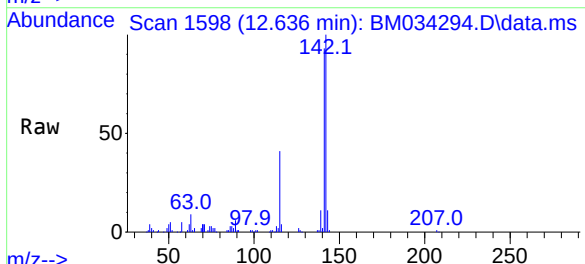
RT: 12.636 min Scan# 1598

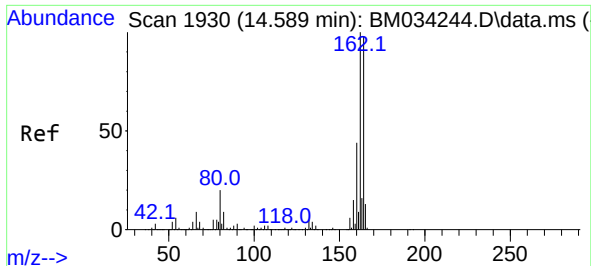
Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

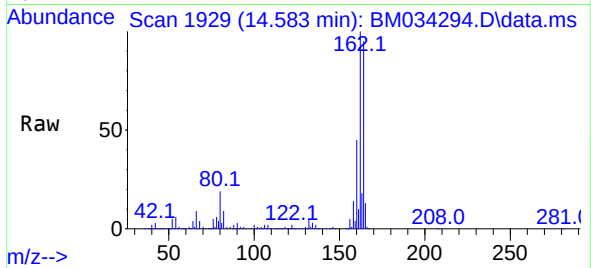
Tgt Ion:142	Resp:	89414
Ion Ratio	Lower	Upper
142	100	
141	93.3	73.0 109.6
116	4.0	3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

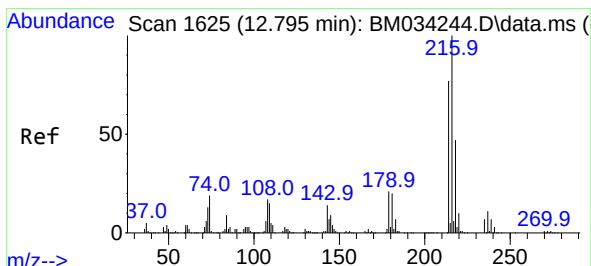
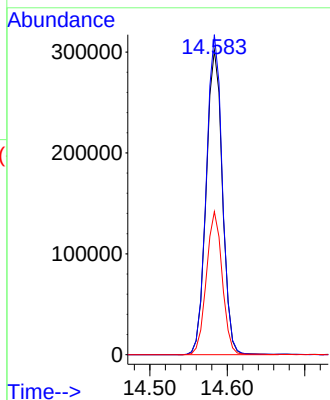
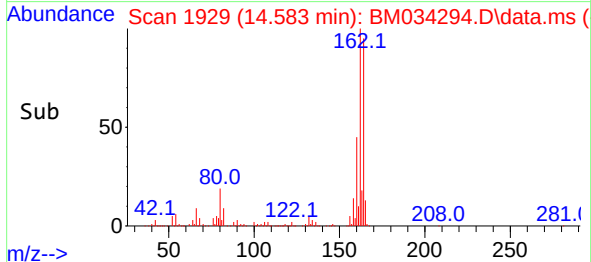
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



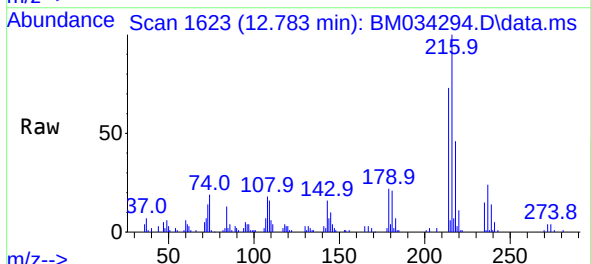
Tgt Ion:164 Resp: 43814
Ion Ratio Lower Upper
164 100
162 105.1 81.6 122.4
160 47.0 35.6 53.4

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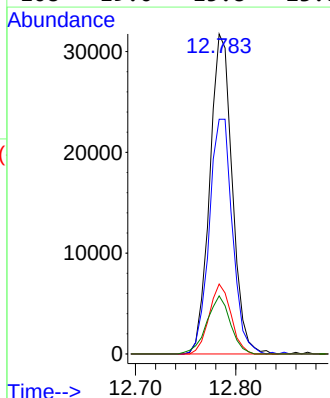
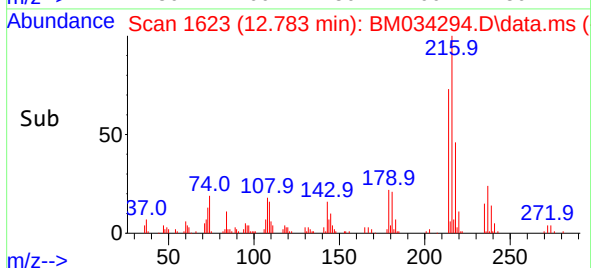
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

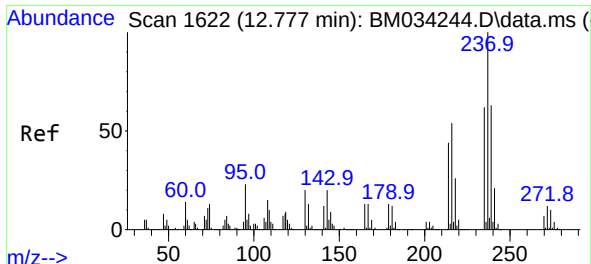


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.732 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



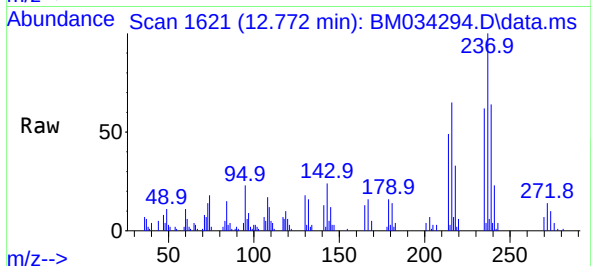
Tgt Ion:216 Resp: 49341
Ion Ratio Lower Upper
216 100
214 76.1 62.7 94.1
179 21.3 17.2 25.8
108 19.0 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 3.688 ng
RT: 12.772 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

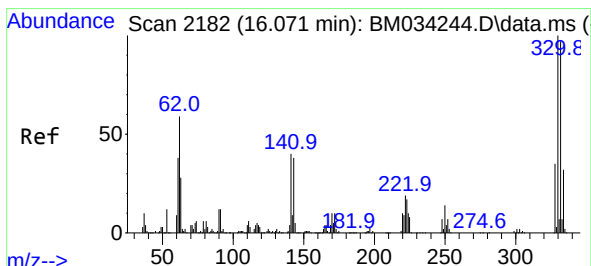
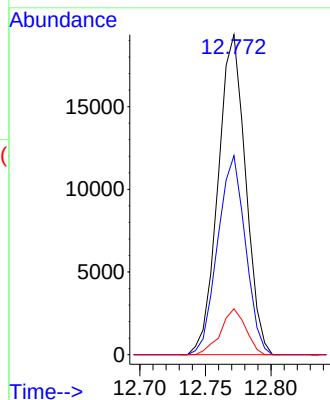
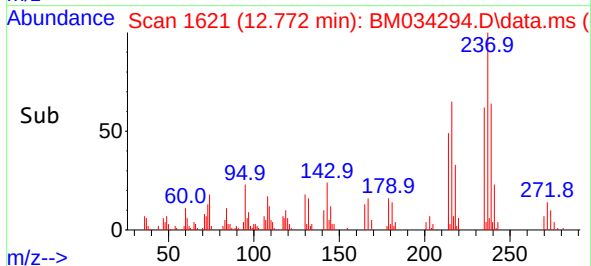
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



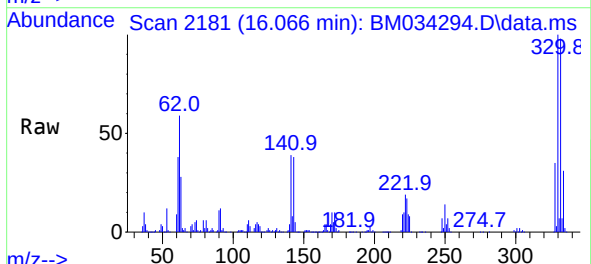
Tgt Ion:237 Resp: 28238
Ion Ratio Lower Upper
237 100
235 62.2 42.1 82.1
272 14.4 0.0 32.3

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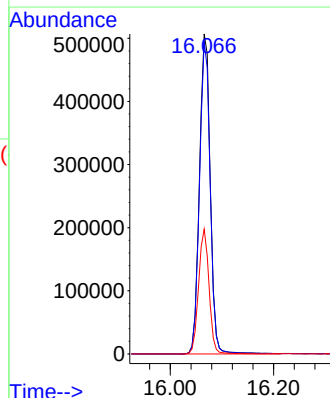
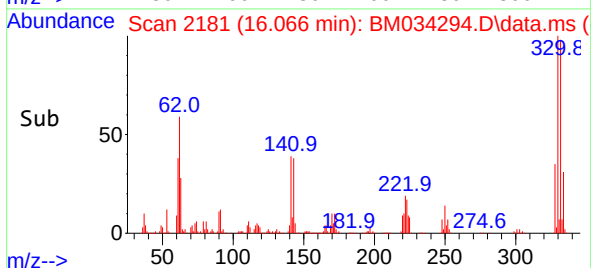
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

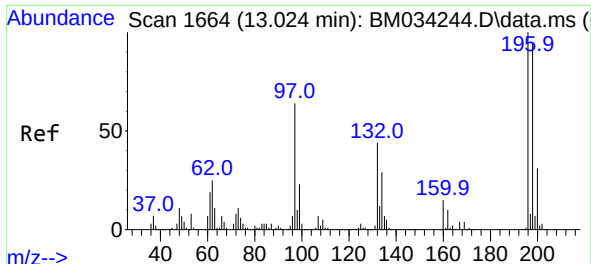


#42
2,4,6-Tribromophenol
Concen: 124.498 ng
RT: 16.066 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



Tgt Ion:330 Resp: 735236
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 37.7 30.6 45.8





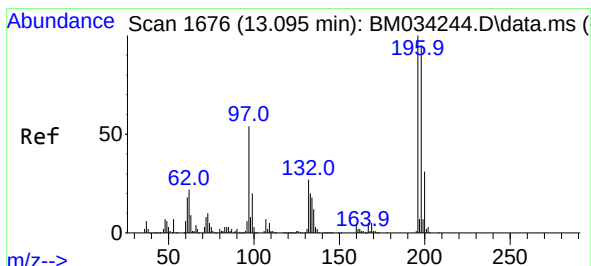
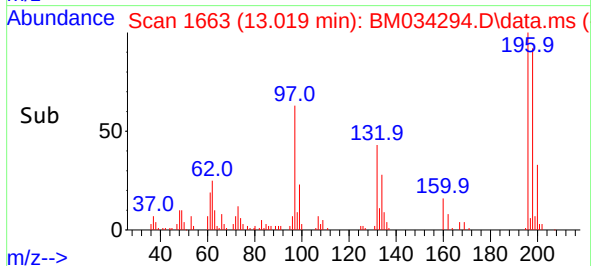
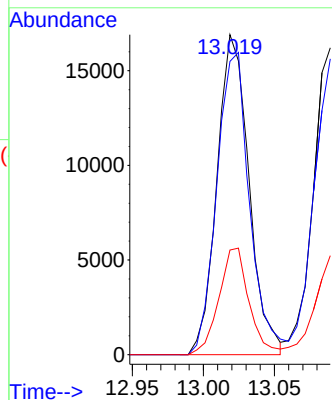
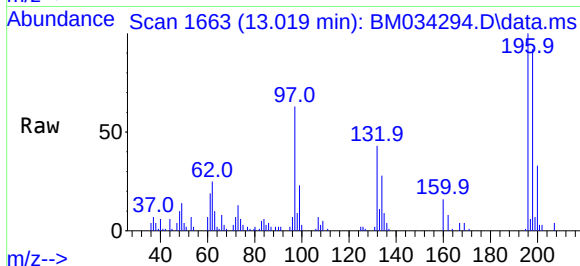
#43
2,4,6-Trichlorophenol
Concen: 2.906 ng
RT: 13.019 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

Tgt Ion:196 Resp: 2652
Ion Ratio Lower Upper
196 100
198 91.7 76.1 114.1
200 32.7 24.9 37.3

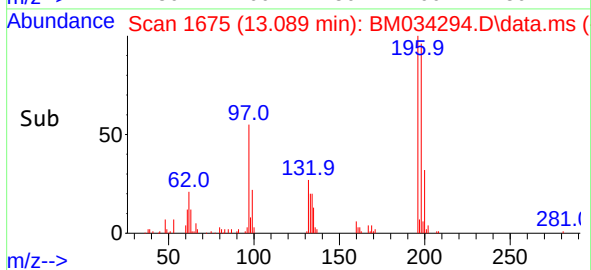
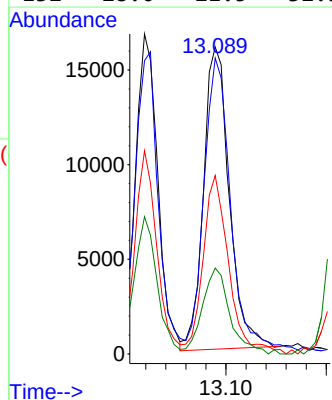
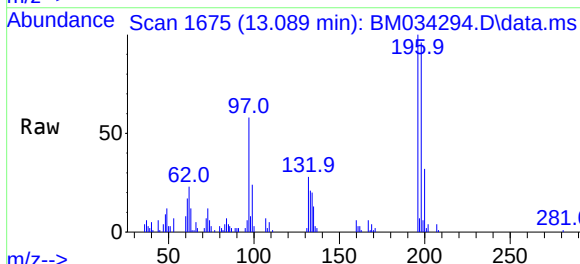
Manual Integrations
APPROVED

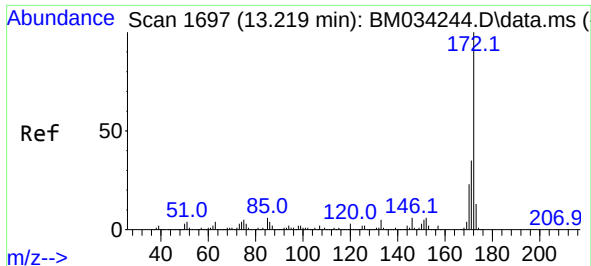
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#44
2,4,5-Trichlorophenol
Concen: 2.904 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

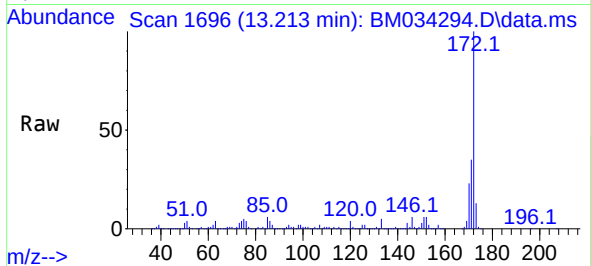
Tgt Ion:196 Resp: 28459
Ion Ratio Lower Upper
196 100
198 96.4 75.9 113.9
97 58.1 43.2 64.8
132 28.0 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 85.816 ng
RT: 13.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

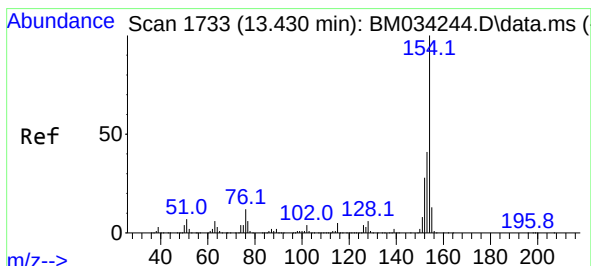
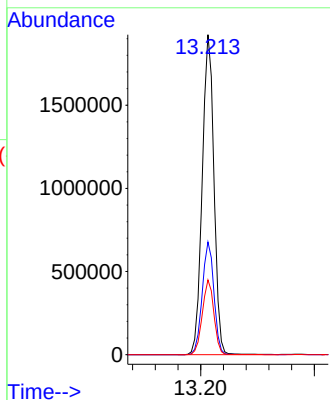
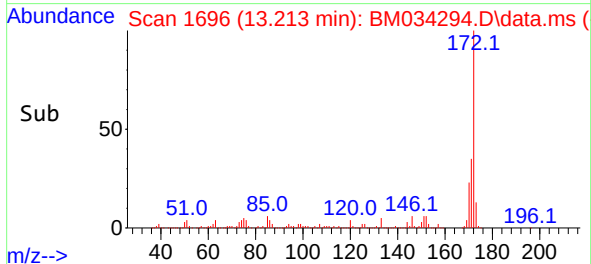
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



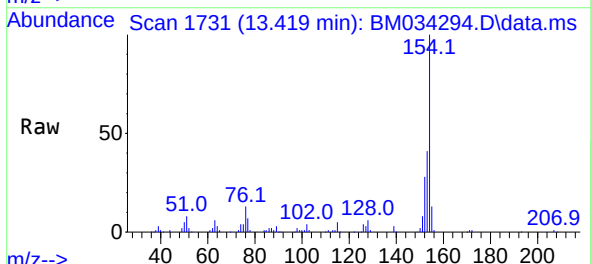
Tgt Ion:172 Resp: 275156
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.4 18.6 28.0

Manual Integrations
APPROVED

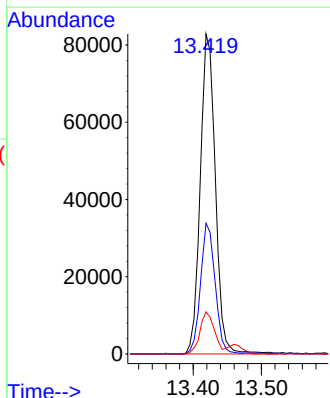
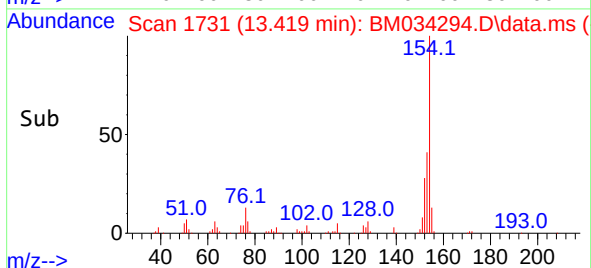
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

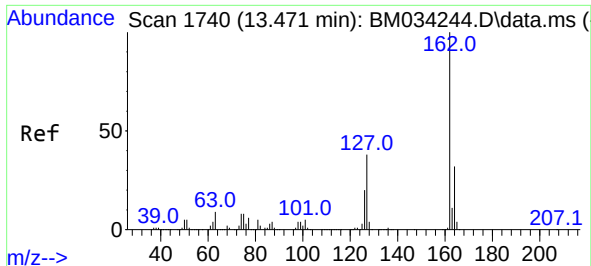


#46
1,1'-Biphenyl
Concen: 3.825 ng
RT: 13.419 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



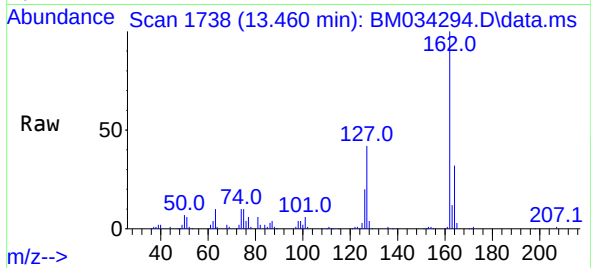
Tgt Ion:154 Resp: 127802
Ion Ratio Lower Upper
154 100
153 40.8 21.0 61.0
76 13.2 0.0 32.1





#47
2-Chloronaphthalene
Concen: 3.635 ng
RT: 13.460 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

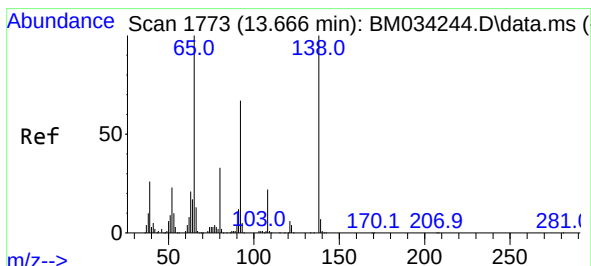
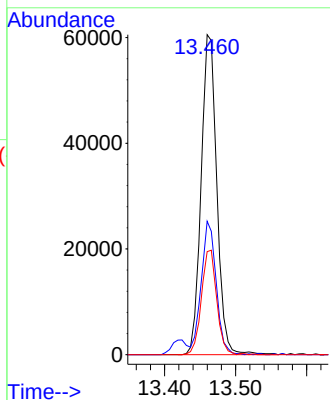
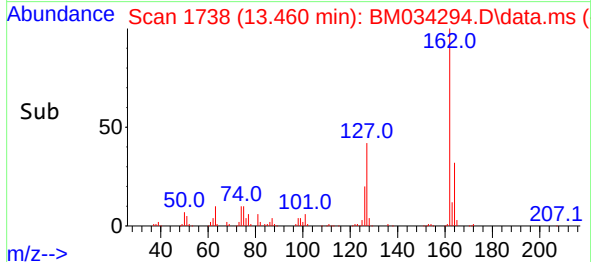
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



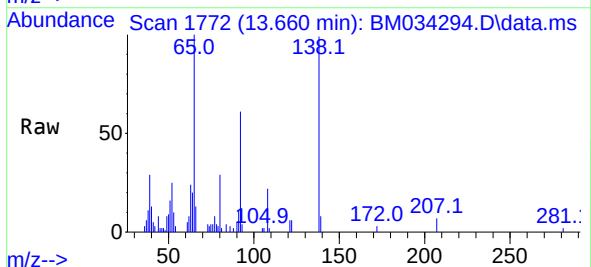
Tgt Ion:162 Resp: 9322
Ion Ratio Lower Upper
162 100
127 41.7 30.4 45.6
164 32.2 25.8 38.8

Manual Integrations
APPROVED

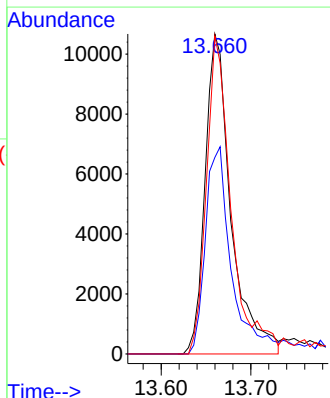
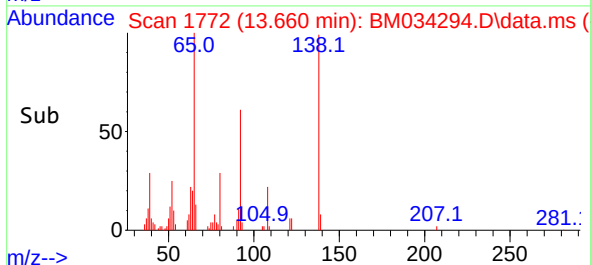
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

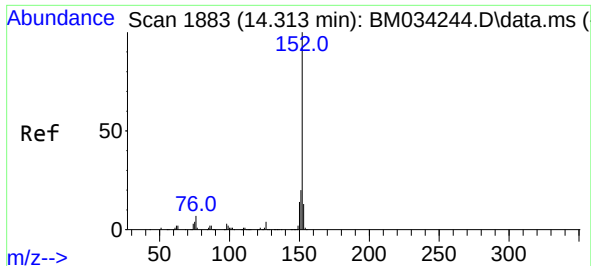


#48
2-Nitroaniline
Concen: 2.731 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



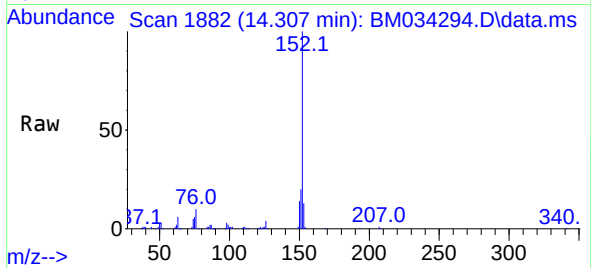
Tgt Ion: 65 Resp: 21409
Ion Ratio Lower Upper
65 100
92 61.4 53.8 80.8
138 99.4 79.9 119.9





#49
Acenaphthylene
Concen: 3.722 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

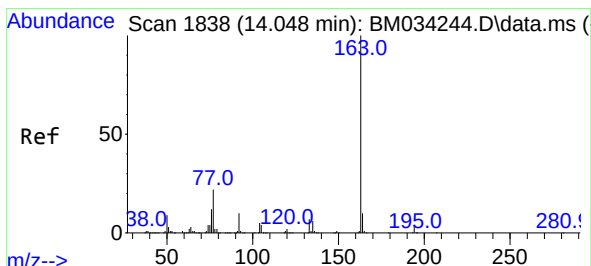
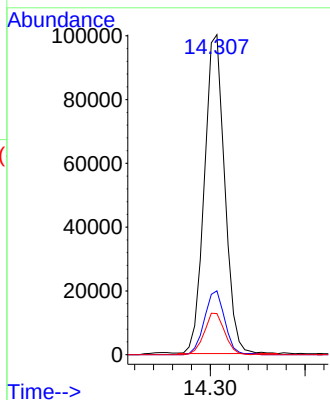
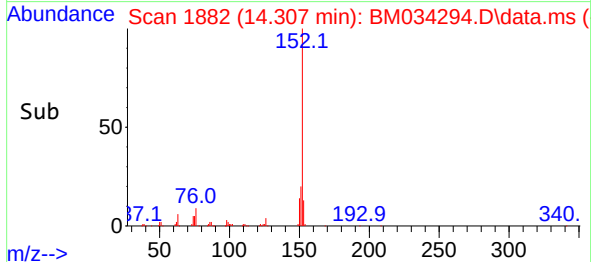
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



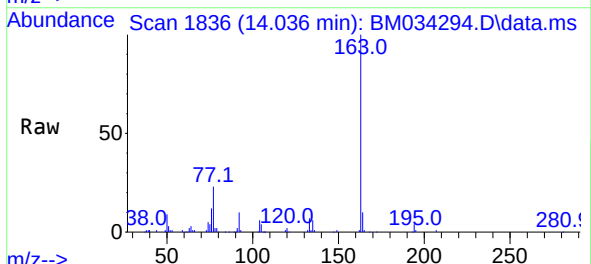
Tgt Ion:152 Resp: 148745
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 12.9 10.6 16.0

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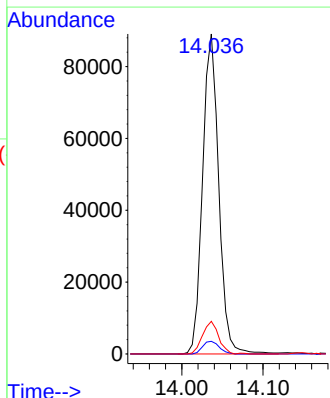
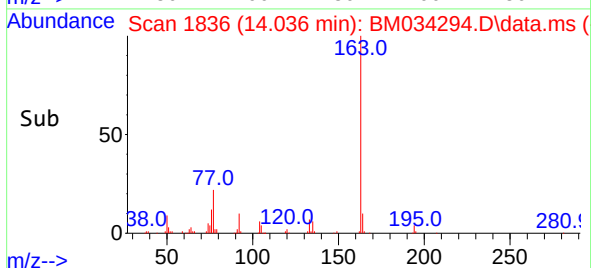
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

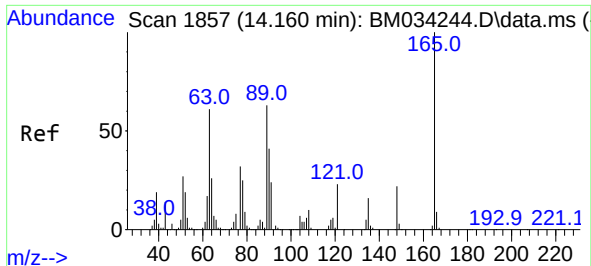


#50
Dimethylphthalate
Concen: 3.687 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



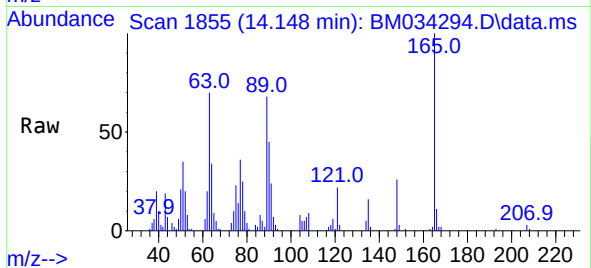
Tgt Ion:163 Resp: 122953
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 3.435 ng
RT: 14.148 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

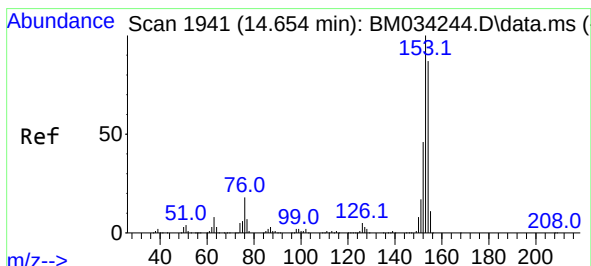
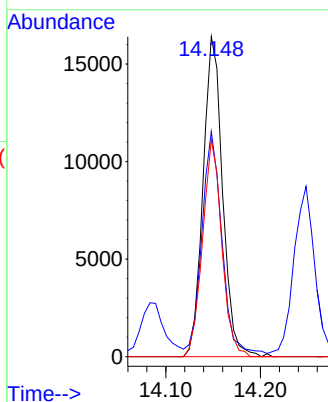
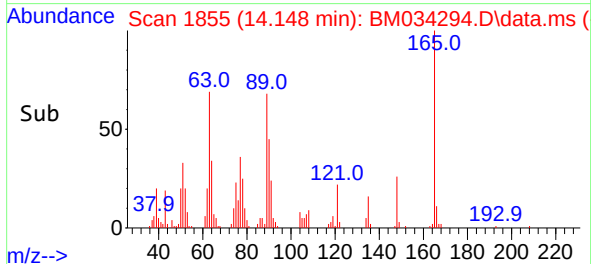
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



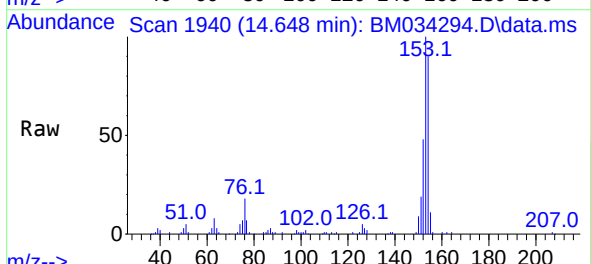
Tgt Ion:165 Resp: 23498
Ion Ratio Lower Upper
165 100
63 70.4 51.9 77.9
89 67.8 50.6 76.0

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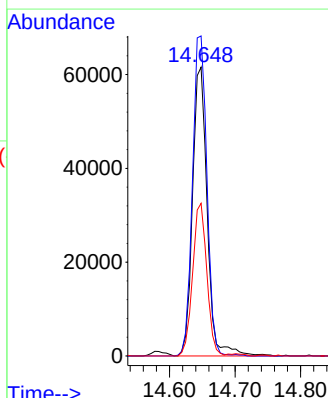
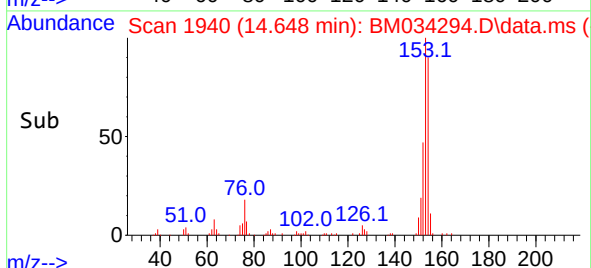
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

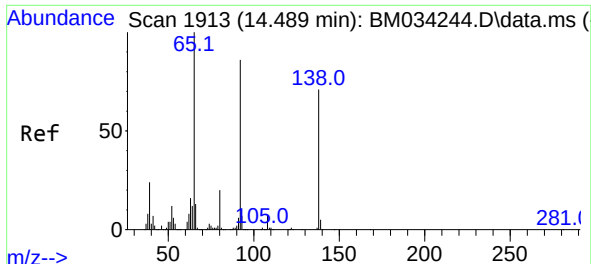


#52
Acenaphthene
Concen: 3.563 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



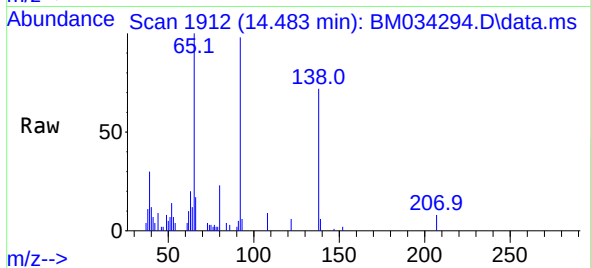
Tgt Ion:154 Resp: 95912
Ion Ratio Lower Upper
154 100
153 110.8 91.8 137.8
152 52.8 42.6 64.0





#53
3-Nitroaniline
Concen: 2.526 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

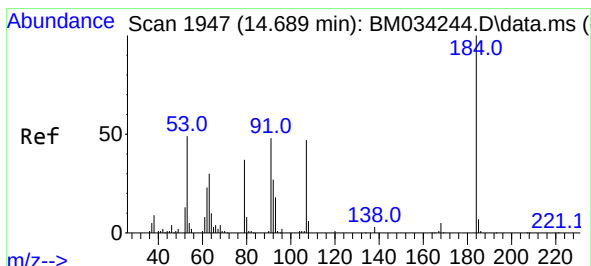
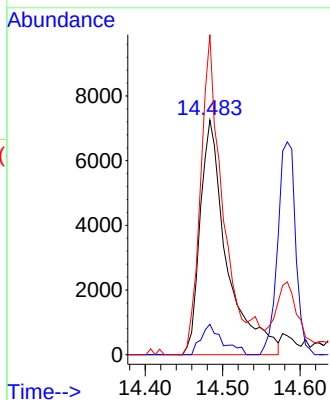
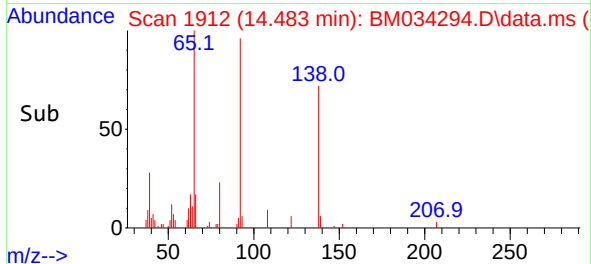
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:138 Resp: 1733
Ion Ratio Lower Upper
138 100
108 12.9 8.3 12.5
92 136.4 97.6 146.4

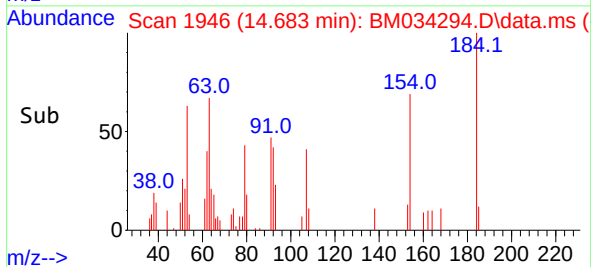
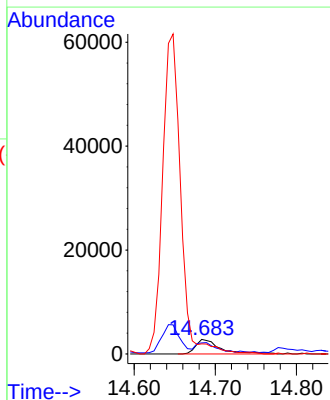
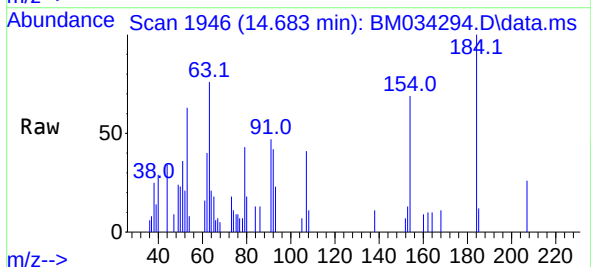
Manual Integrations
APPROVED

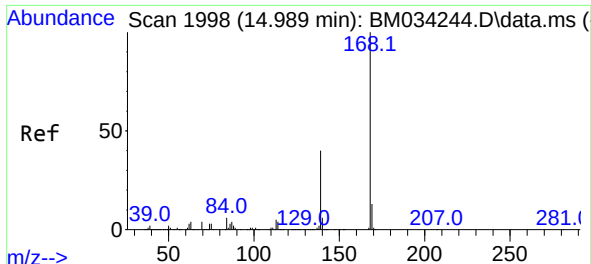
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#54
2,4-Dinitrophenol
Concen: 1.512 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

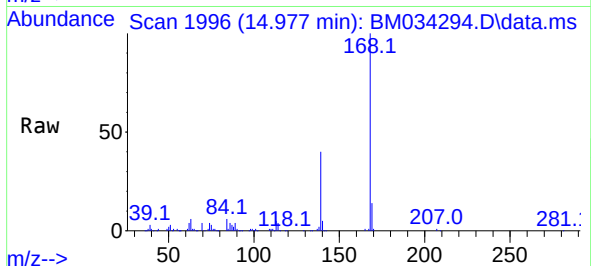
Tgt Ion:184 Resp: 5795
Ion Ratio Lower Upper
184 100
63 75.8 58.3 87.5
154 69.3 52.6 78.8





#55
Dibenzenofuran
Concen: 3.707 ng
RT: 14.977 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

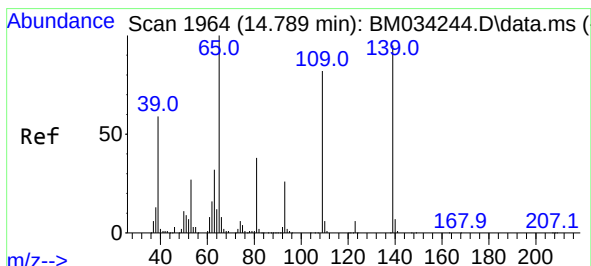
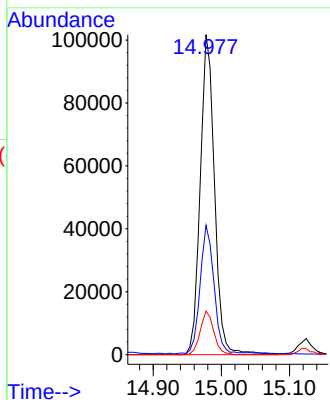
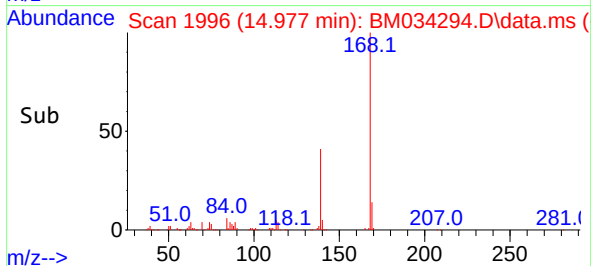
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



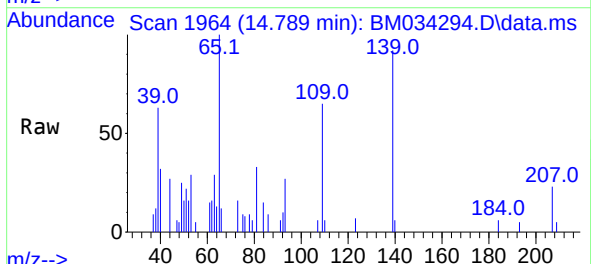
Tgt Ion:168 Resp: 148710
Ion Ratio Lower Upper
168 100
139 40.4 32.4 48.6
169 13.6 10.8 16.2

Manual Integrations
APPROVED

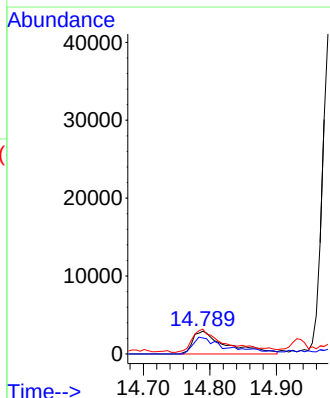
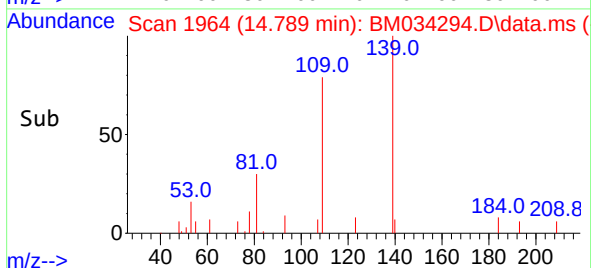
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

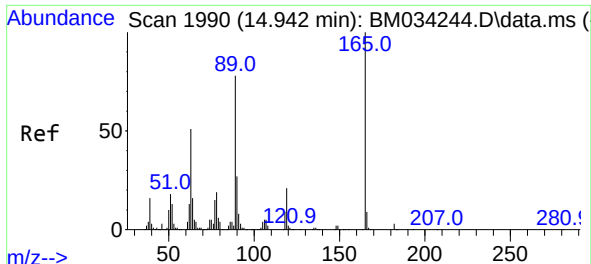


#56
4-Nitrophenol
Concen: 1.855 ng m
RT: 14.789 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



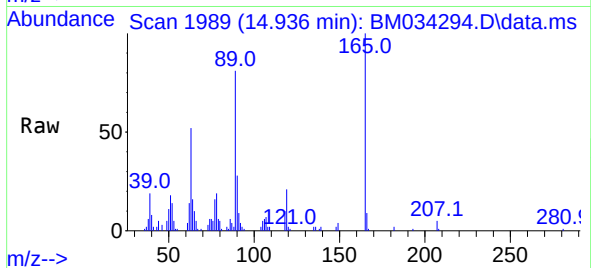
Tgt Ion:139 Resp: 10318
Ion Ratio Lower Upper
139 100
109 70.5 66.3 106.3
65 108.9 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 3.059 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

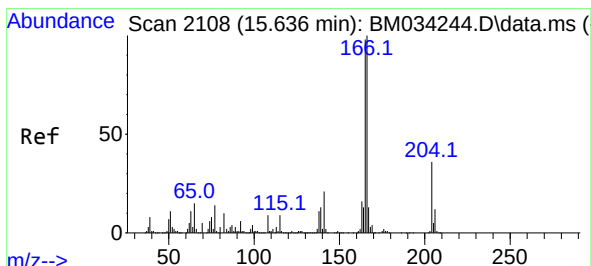
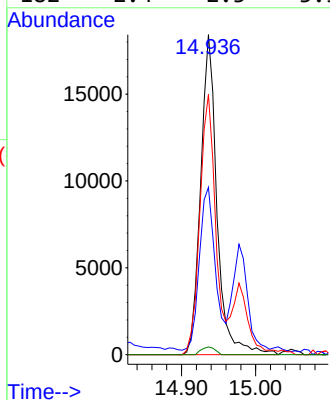
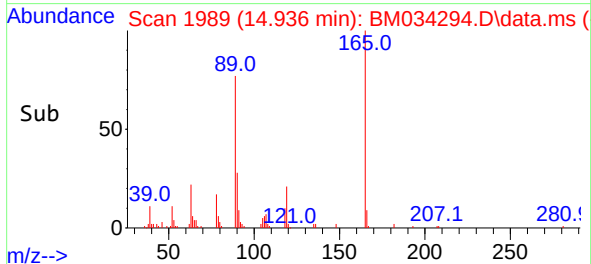
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:165 Resp: 28278
Ion Ratio Lower Upper
165 100
63 52.3 40.6 61.0
89 81.3 62.7 94.1
182 2.4 2.3 3.5

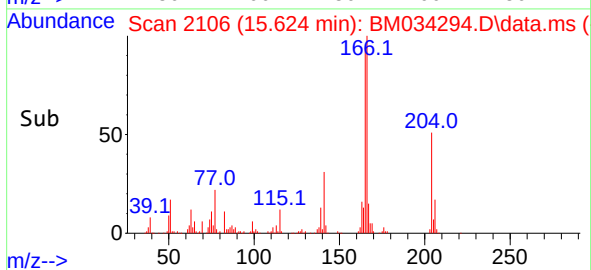
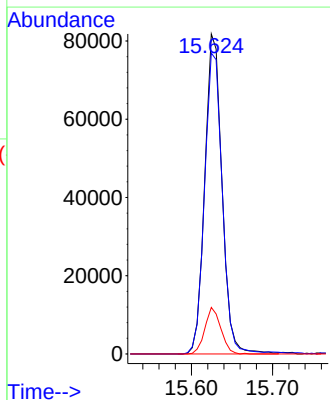
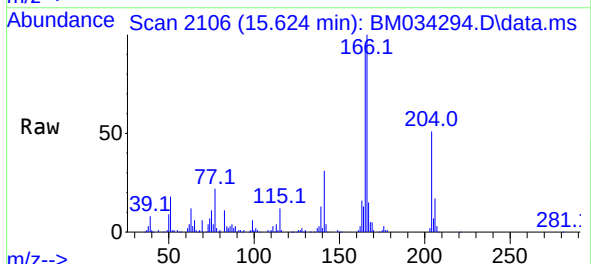
Manual Integrations
APPROVED

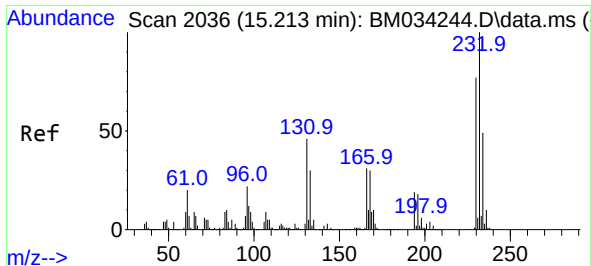
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#58
Fluorene
Concen: 3.696 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

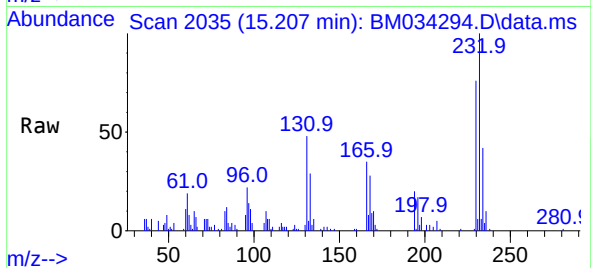
Tgt Ion:166 Resp: 120384
Ion Ratio Lower Upper
166 100
165 94.1 78.0 117.0
167 14.6 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.255 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

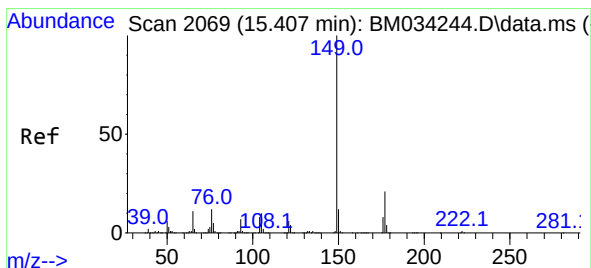
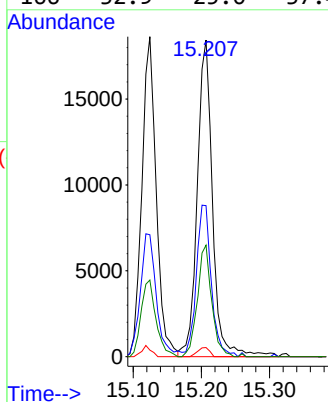
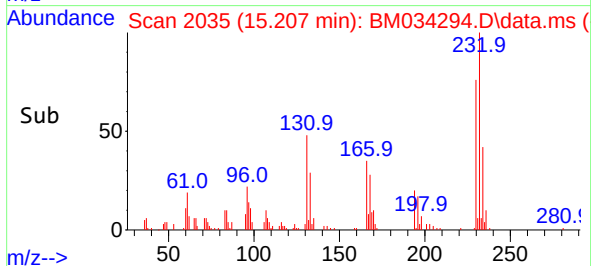
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



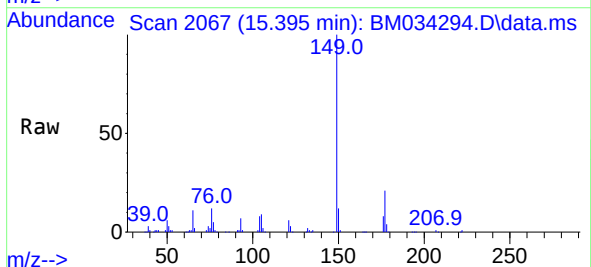
Tgt Ion:232 Resp: 2876
Ion Ratio Lower Upper
232 100
131 47.2 38.0 57.0
130 2.2 2.2 3.2
166 32.9 25.0 37.4

Manual Integrations
APPROVED

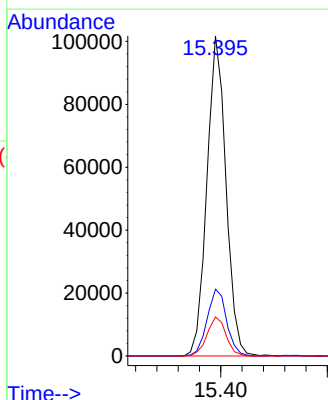
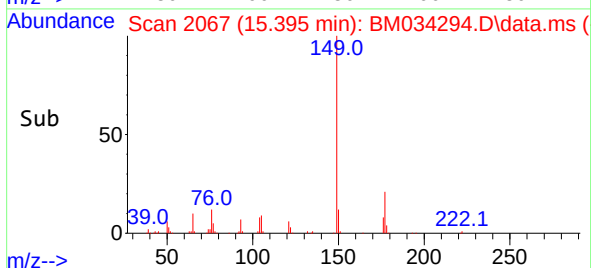
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

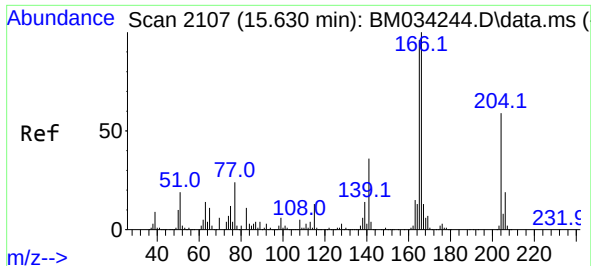


#60
Diethylphthalate
Concen: 3.688 ng
RT: 15.395 min Scan# 2067
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



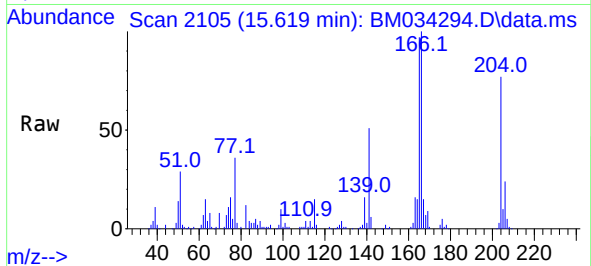
Tgt Ion:149 Resp: 126160
Ion Ratio Lower Upper
149 100
177 20.9 17.1 25.7
150 12.2 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 3.578 ng
RT: 15.619 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

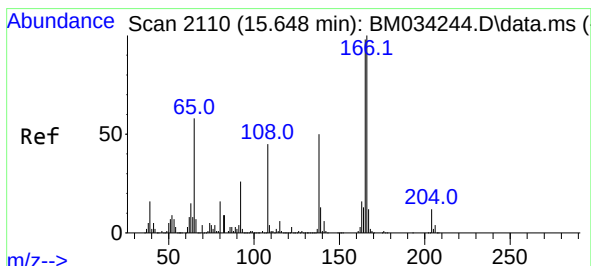
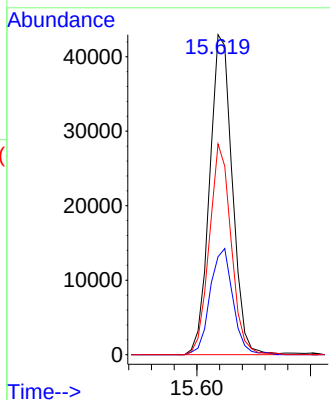
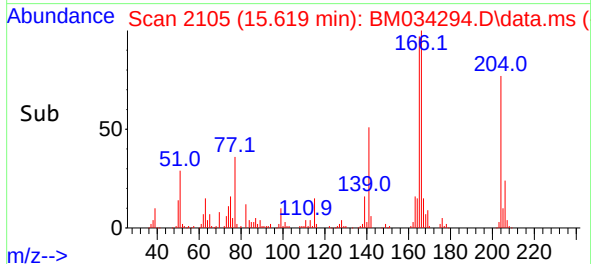
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



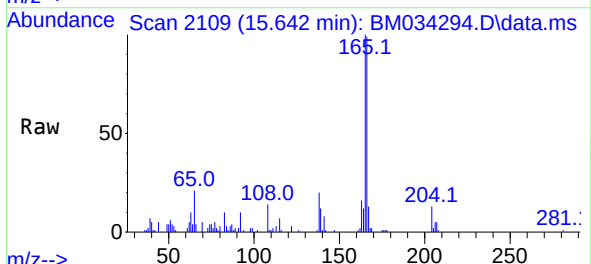
Tgt Ion:204 Resp: 59499
Ion Ratio Lower Upper
204 100
206 30.6 26.4 39.6
141 65.9 49.4 74.2

Manual Integrations
APPROVED

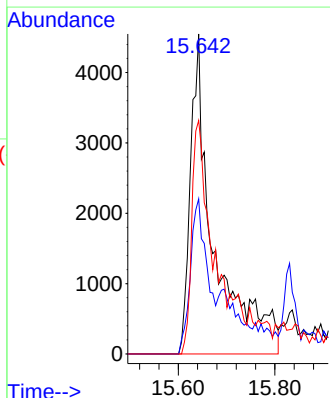
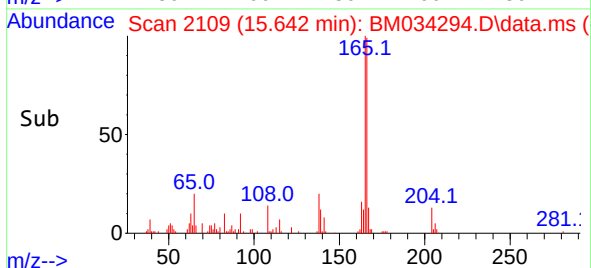
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

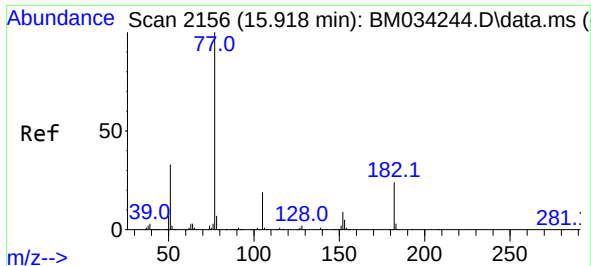


#62
4-Nitroaniline
Concen: 2.370 ng m
RT: 15.642 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



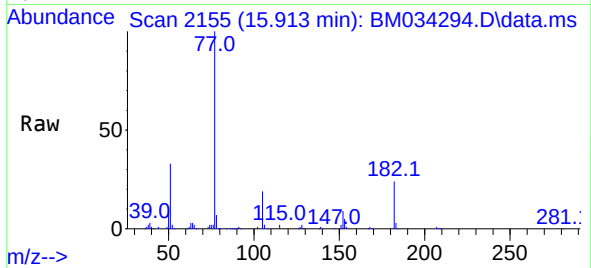
Tgt Ion:138 Resp: 15645
Ion Ratio Lower Upper
138 100
92 48.5 32.6 72.6
108 73.0 69.8 109.8





#63
Azobenzene
Concen: 3.463 ng
RT: 15.913 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

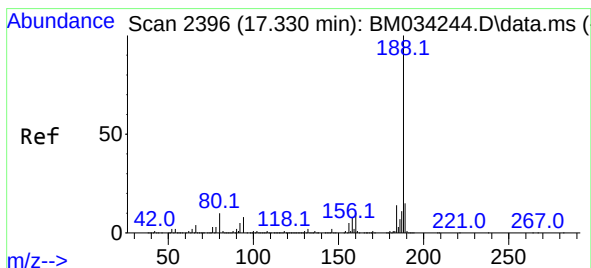
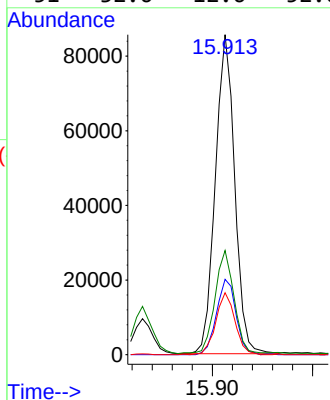
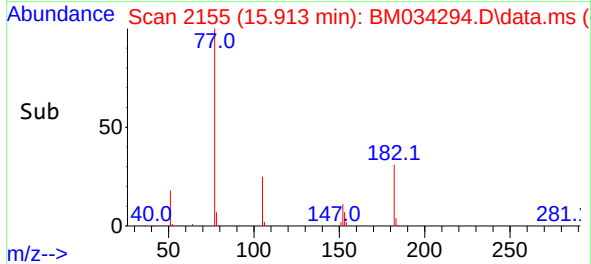
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



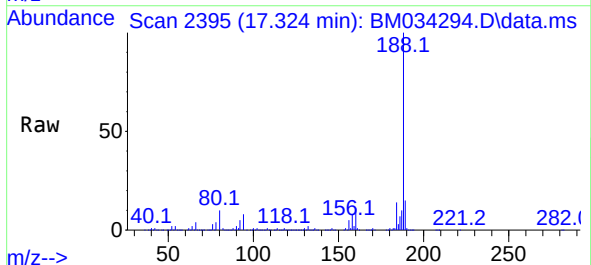
Tgt Ion: 77 Resp: 114240
Ion Ratio Lower Upper
77 100
182 23.6 4.4 44.4
105 19.4 0.0 38.7
51 32.6 12.6 52.6

Manual Integrations
APPROVED

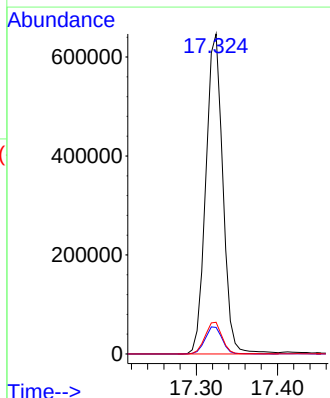
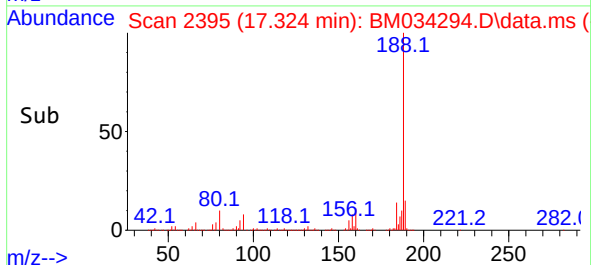
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

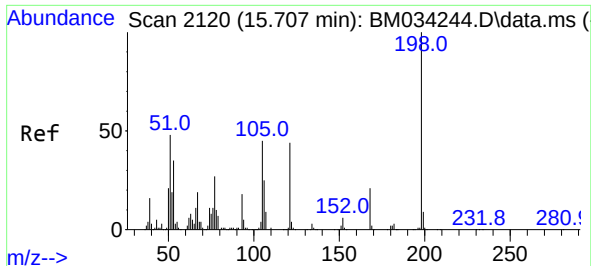


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



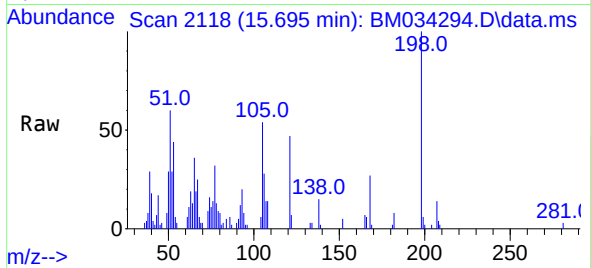
Tgt Ion:188 Resp: 940041
Ion Ratio Lower Upper
188 100
94 8.3 6.6 9.8
80 9.9 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 1.988 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

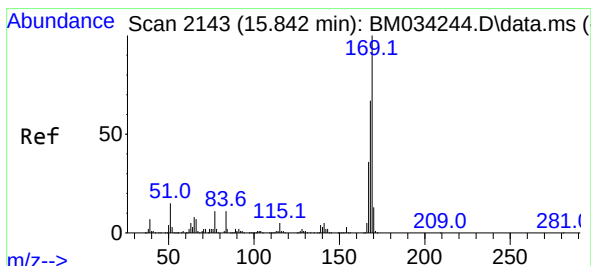
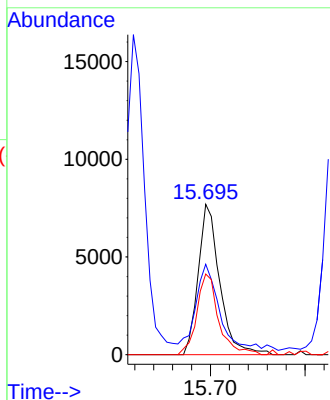
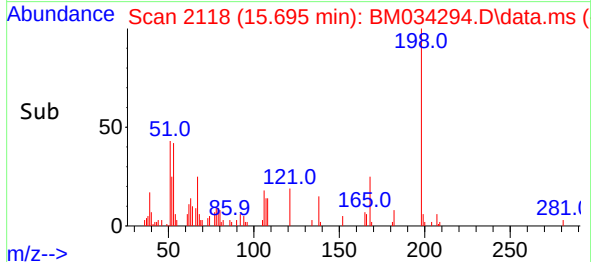
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



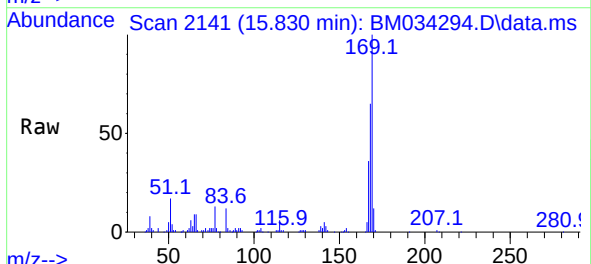
Tgt Ion:198 Resp: 1215
Ion Ratio Lower Upper
198 100
51 60.1 29.0 69.0
105 53.6 25.3 65.3

Manual Integrations
APPROVED

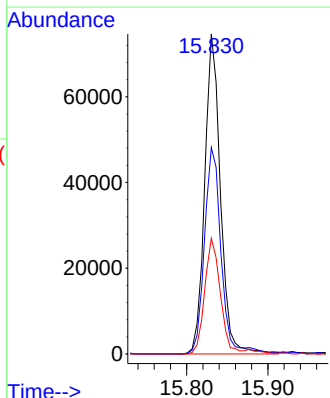
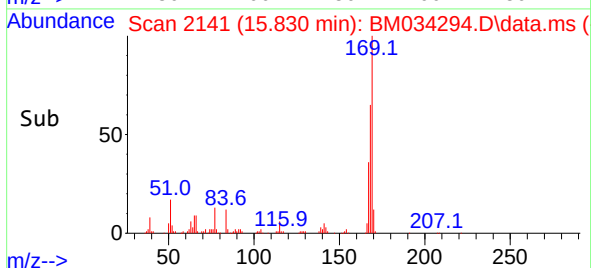
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

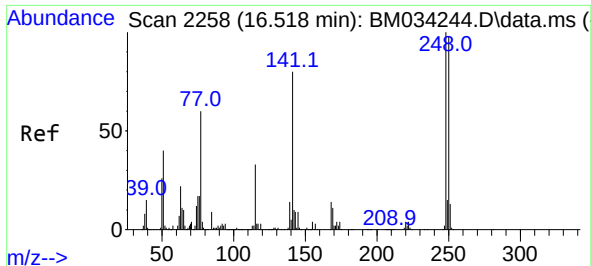


#66
n-Nitrosodiphenylamine
Concen: 3.363 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



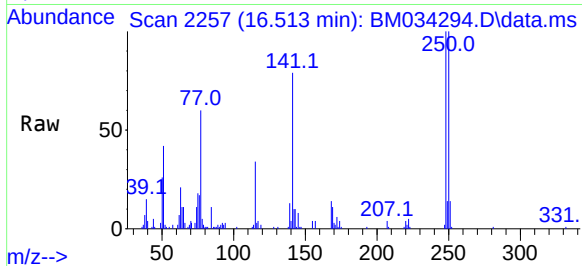
Tgt Ion:169 Resp: 100448
Ion Ratio Lower Upper
169 100
168 64.5 53.9 80.9
167 36.2 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 16.513 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

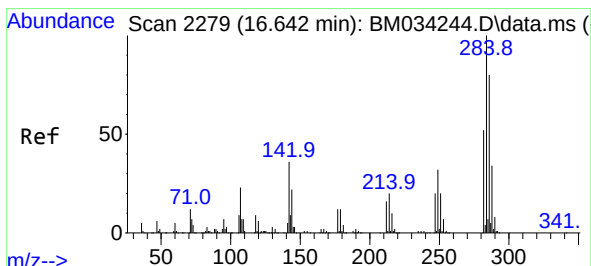
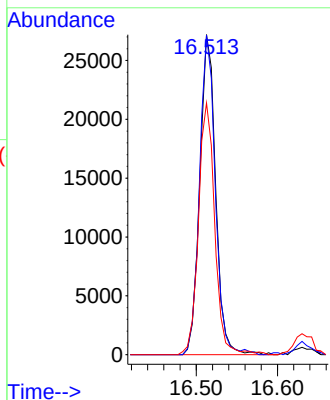
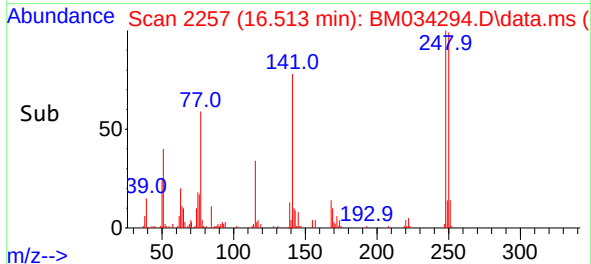
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



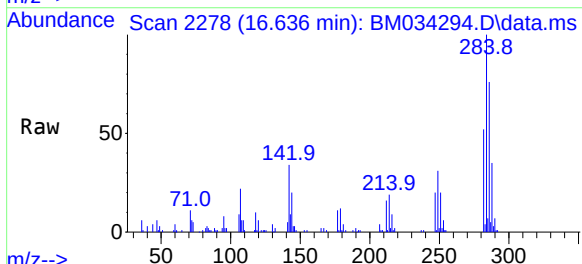
Tgt Ion:248 Resp: 36920
Ion Ratio Lower Upper
248 100
250 99.9 78.0 117.0
141 78.7 63.8 95.6

Manual Integrations
APPROVED

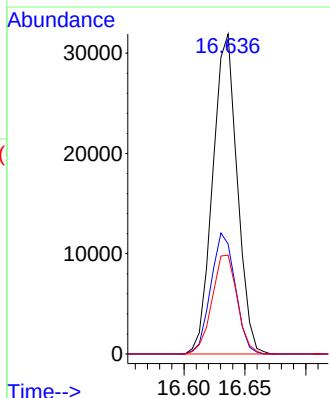
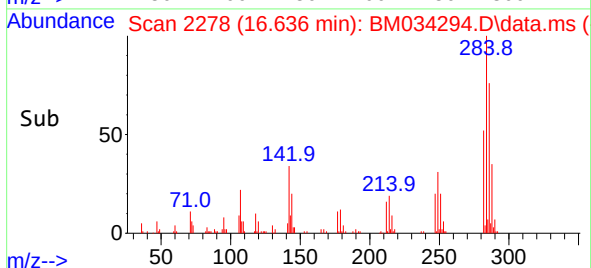
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

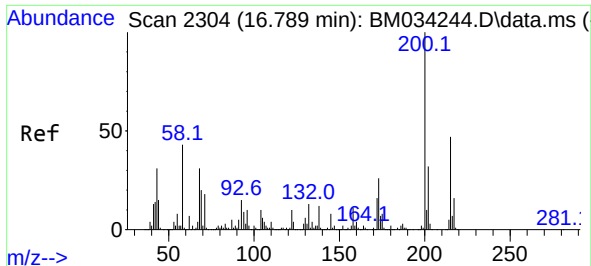


#68
Hexachlorobenzene
Concen: 3.703 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



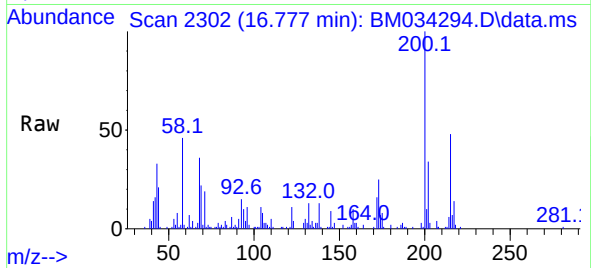
Tgt Ion:284 Resp: 44638
Ion Ratio Lower Upper
284 100
142 34.4 28.9 43.3
249 30.9 25.4 38.0





#69
Atrazine
Concen: 3.710 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

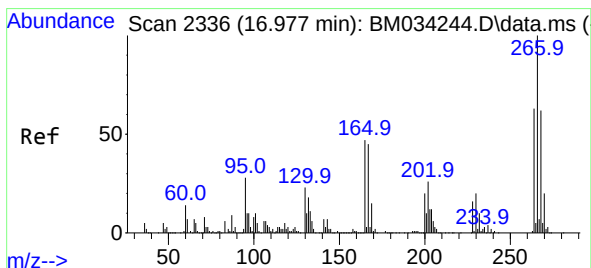
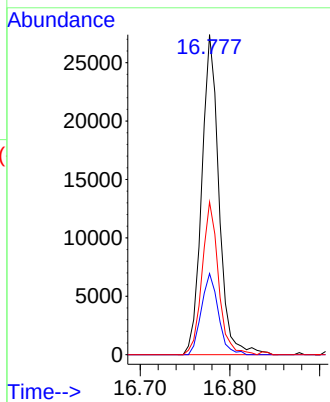
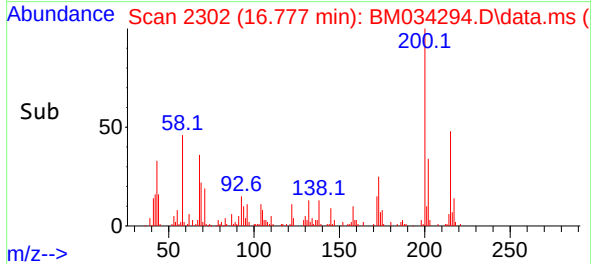
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



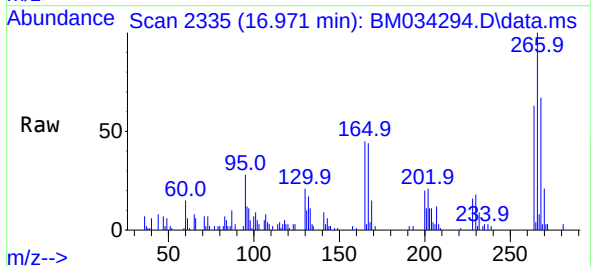
Tgt Ion:200 Resp: 36510
Ion Ratio Lower Upper
200 100
173 25.4 6.1 46.1
215 47.7 27.4 67.4

Manual Integrations
APPROVED

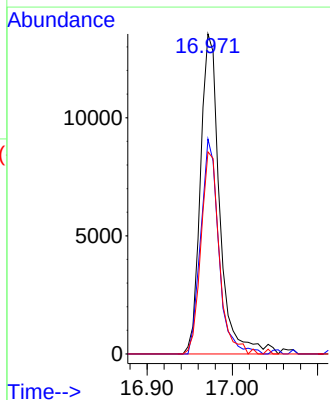
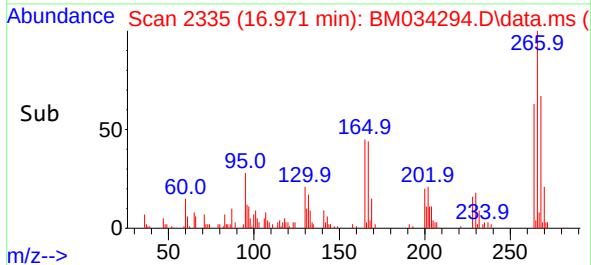
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

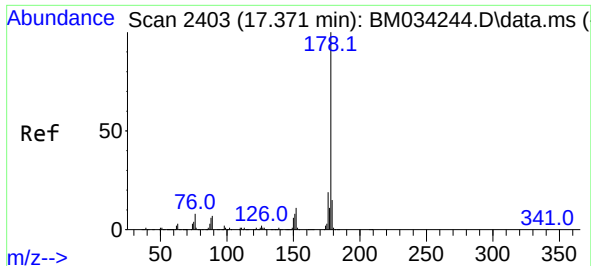


#70
Pentachlorophenol
Concen: 2.751 ng
RT: 16.971 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



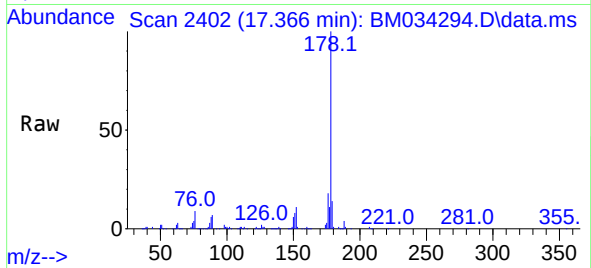
Tgt Ion:266 Resp: 21205
Ion Ratio Lower Upper
266 100
268 67.2 49.8 74.8
264 63.1 50.3 75.5





#71
Phenanthrene
Concen: 3.689 ng
RT: 17.366 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

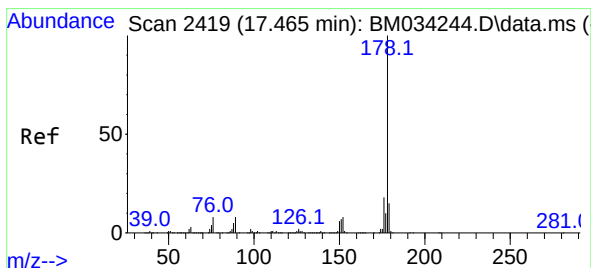
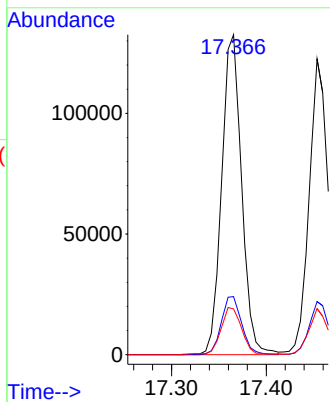
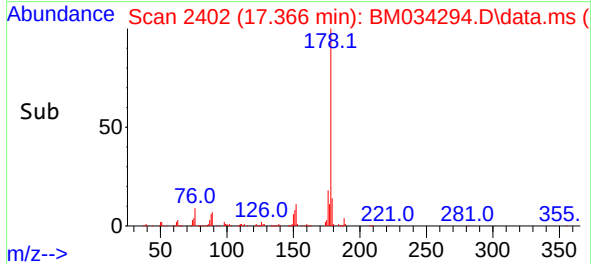
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



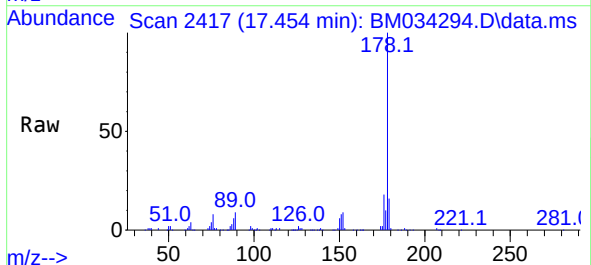
Tgt Ion:178 Resp: 19418
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.3 12.2 18.4

Manual Integrations
APPROVED

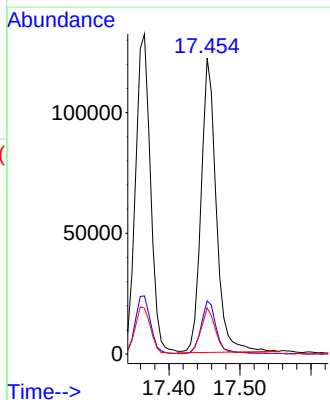
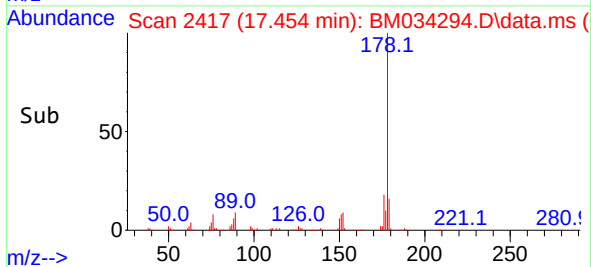
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

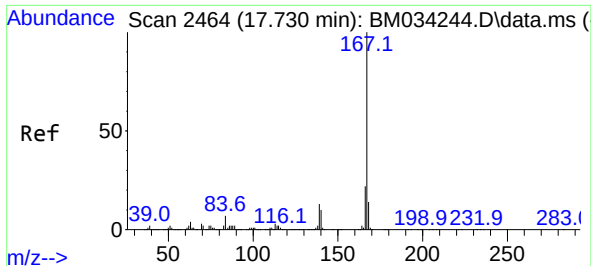


#72
Anthracene
Concen: 3.539 ng
RT: 17.454 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



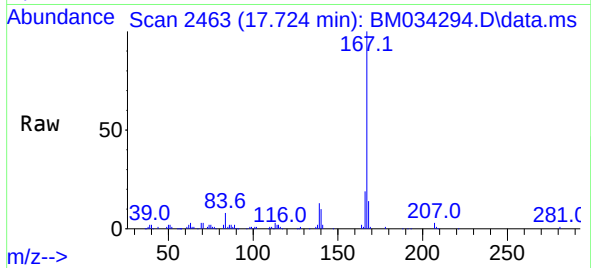
Tgt Ion:178 Resp: 181351
Ion Ratio Lower Upper
178 100
176 18.0 14.6 22.0
179 15.6 12.2 18.2





#73
Carbazole
Concen: 3.019 ng
RT: 17.724 min Scan# 2463
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

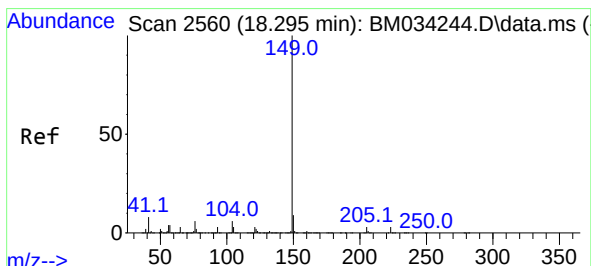
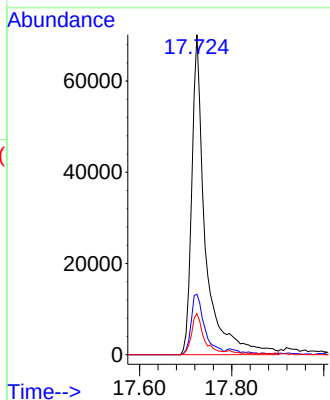
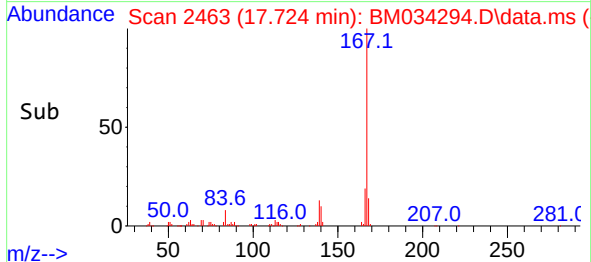
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



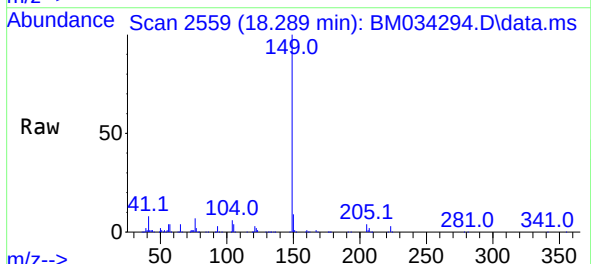
Tgt Ion:167 Resp: 144286
Ion Ratio Lower Upper
167 100
166 18.9 17.4 26.2
139 12.9 10.4 15.6

Manual Integrations
APPROVED

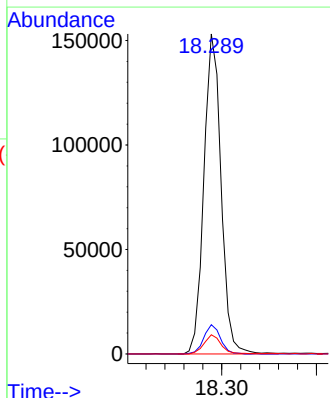
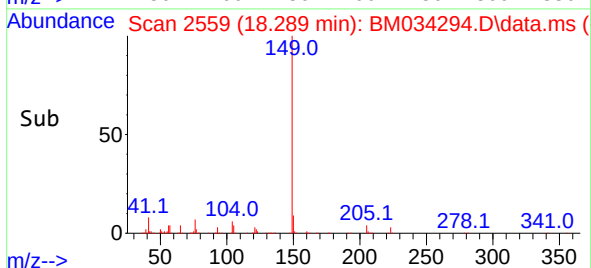
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

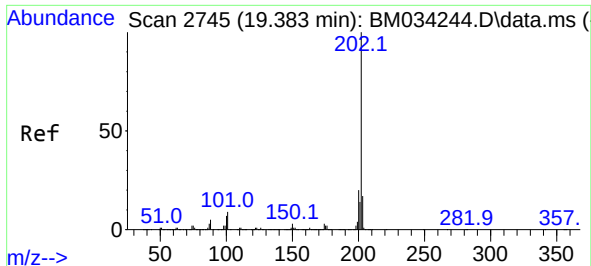


#74
Di-n-butylphthalate
Concen: 3.247 ng
RT: 18.289 min Scan# 2559
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



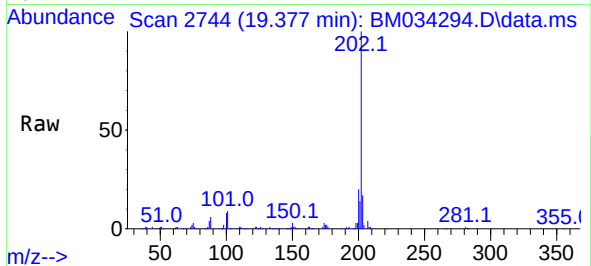
Tgt Ion:149 Resp: 192879
Ion Ratio Lower Upper
149 100
150 9.1 7.6 11.4
104 6.0 4.7 7.1





#75
Fluoranthene
Concen: 3.741 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

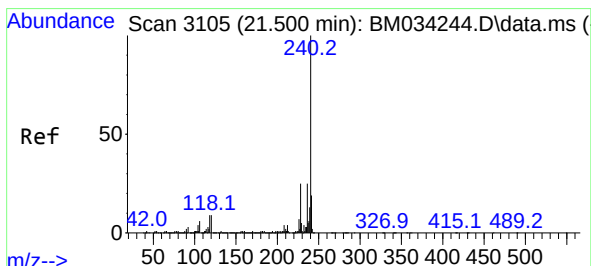
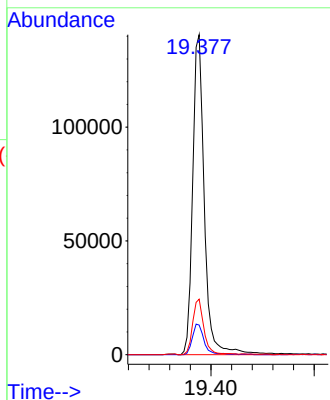
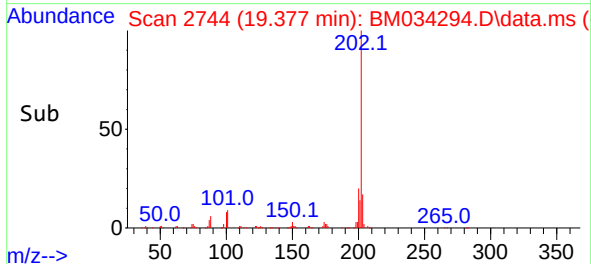
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



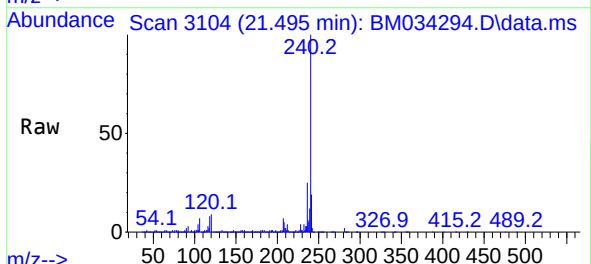
Tgt Ion:202 Resp: 220750
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.4
203 17.4 0.0 37.1

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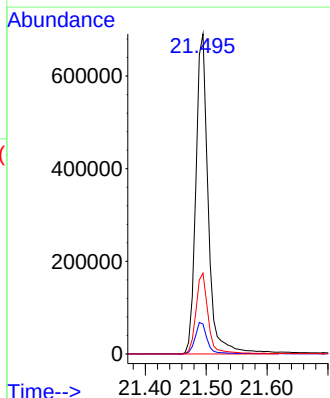
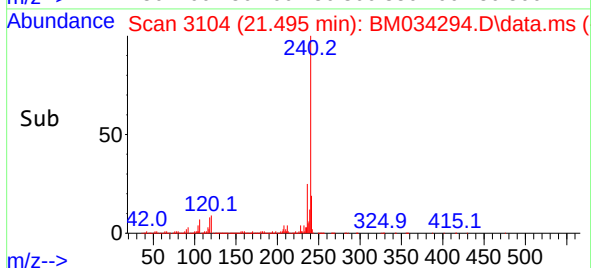
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

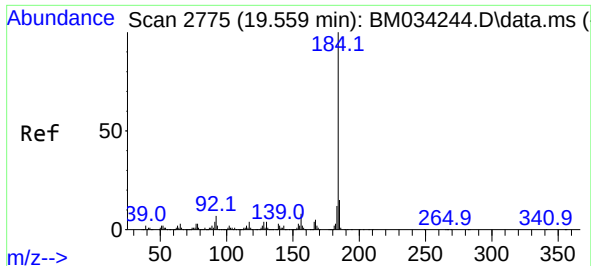


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



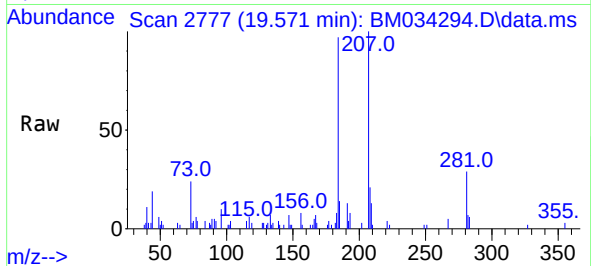
Tgt Ion:240 Resp: 976897
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 25.3 20.2 30.2





#77
Benzidine
Concen: 3.738 ng m
RT: 19.571 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

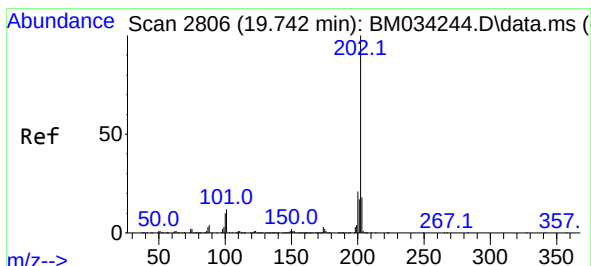
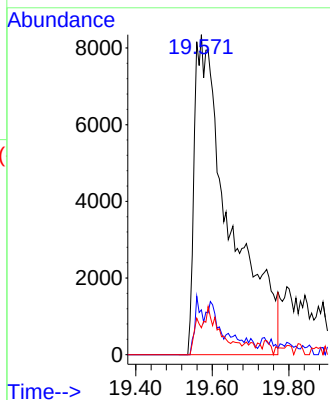
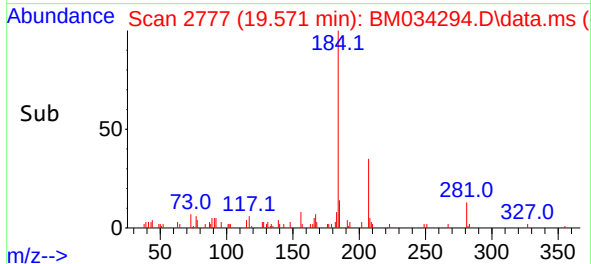
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



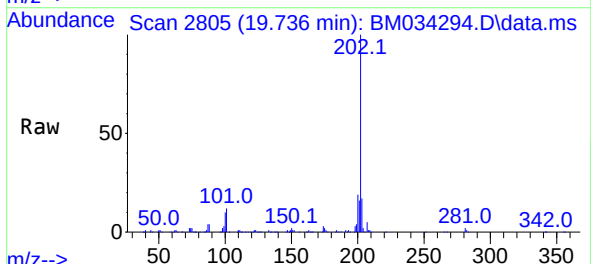
Tgt Ion:184 Resp: 53518
Ion Ratio Lower Upper
184 100
185 14.0 11.7 17.5
183 8.4 9.8 14.6

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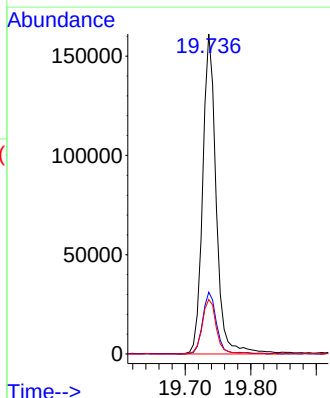
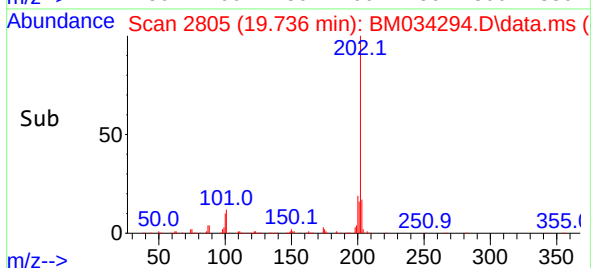
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

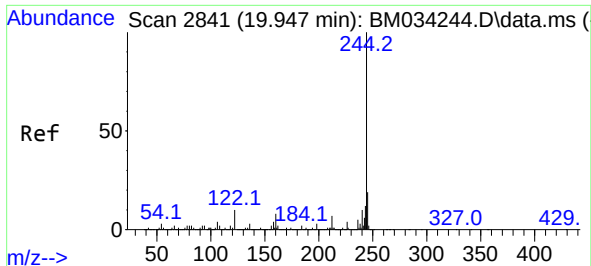


#78
Pyrene
Concen: 3.363 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



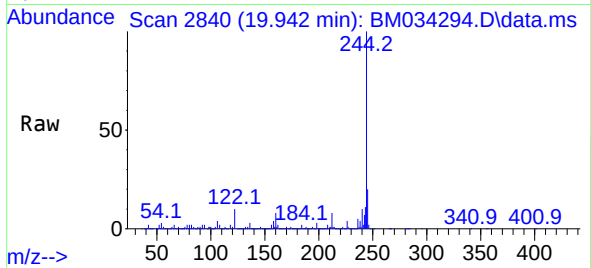
Tgt Ion:202 Resp: 231483
Ion Ratio Lower Upper
202 100
200 19.3 16.6 24.8
203 17.0 14.1 21.1





#79
Terphenyl-d14
Concen: 81.238 ng
RT: 19.942 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

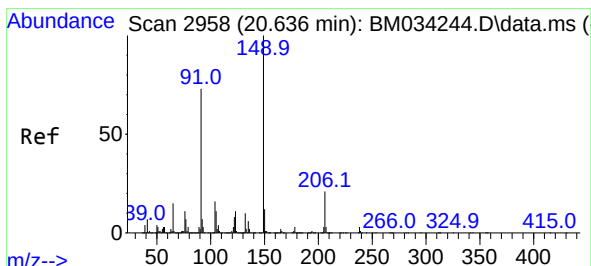
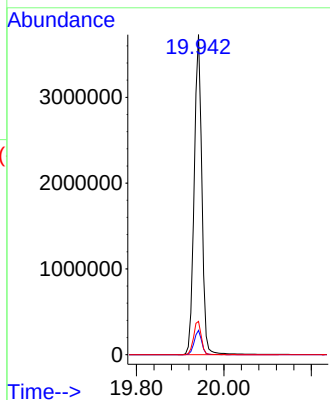
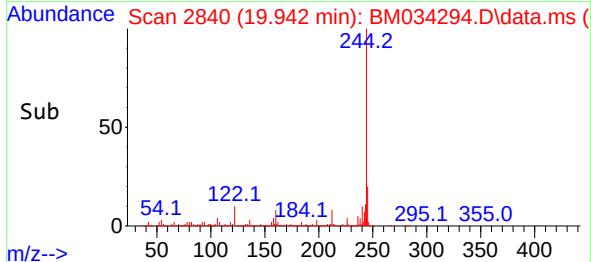
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:244 Resp: 456725
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 10.4 7.8 11.8

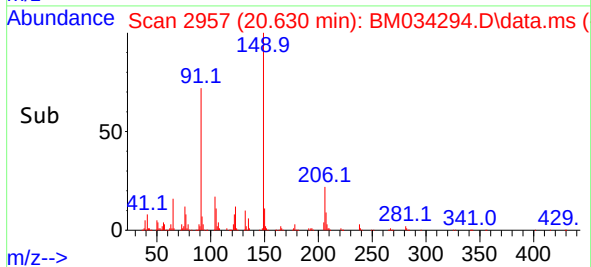
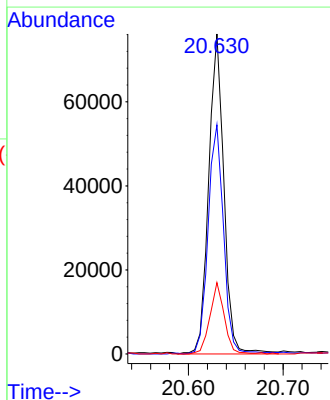
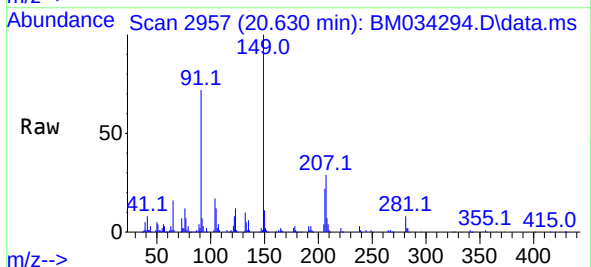
Manual Integrations
APPROVED

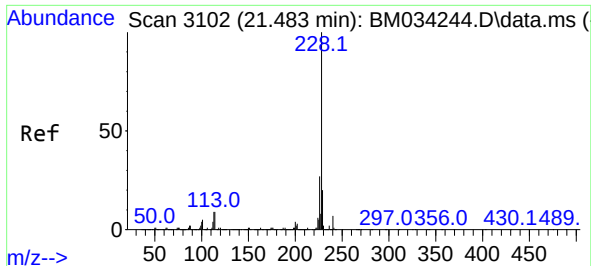
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#80
Butylbenzylphthalate
Concen: 2.920 ng
RT: 20.630 min Scan# 2957
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

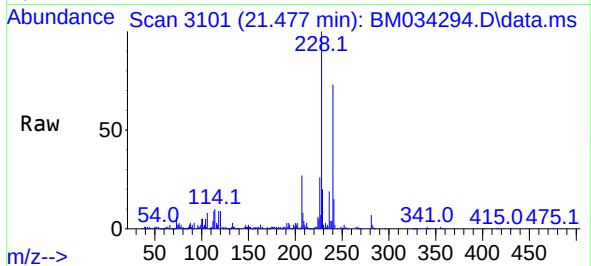
Tgt Ion:149 Resp: 84987
Ion Ratio Lower Upper
149 100
91 71.6 58.5 87.7
206 22.3 16.9 25.3





#81
Benzo(a)anthracene
Concen: 3.658 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

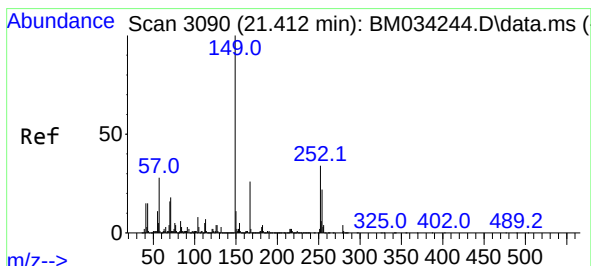
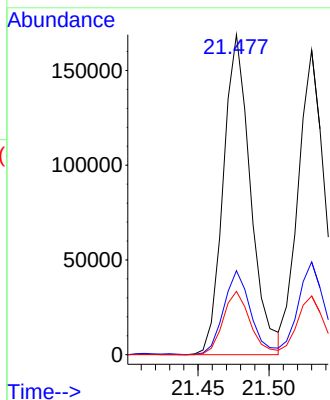
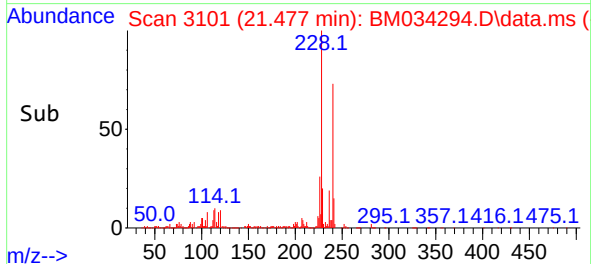
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



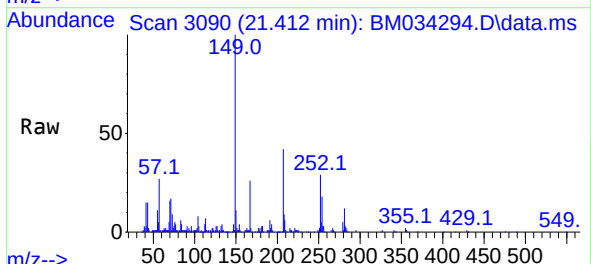
Tgt Ion:228 Resp: 22552
Ion Ratio Lower Upper
228 100
226 26.2 21.6 32.4
229 19.8 15.8 23.6

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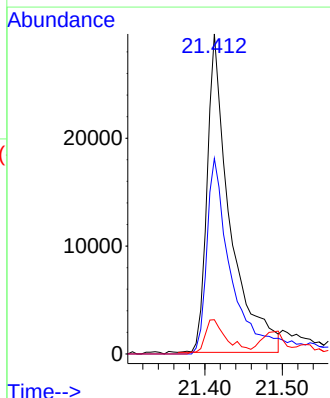
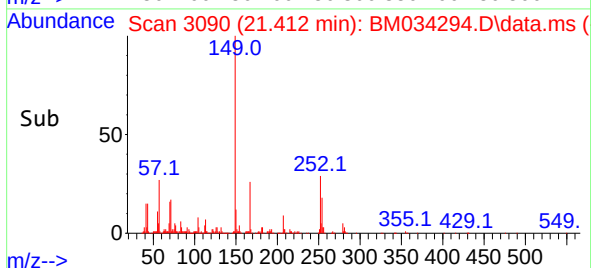
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

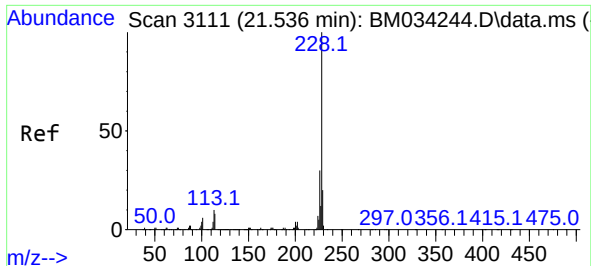


#82
3,3'-Dichlorobenzidine
Concen: 2.920 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



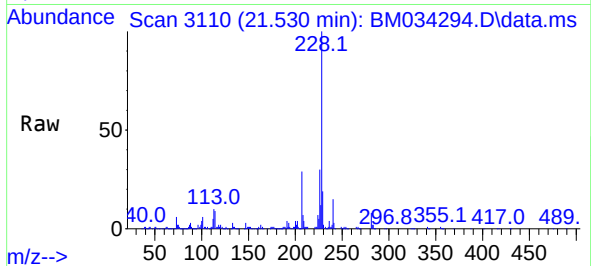
Tgt Ion:252 Resp: 60136
Ion Ratio Lower Upper
252 100
254 61.1 50.9 76.3
126 10.7 8.6 12.8





#83
Chrysene
Concen: 3.512 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

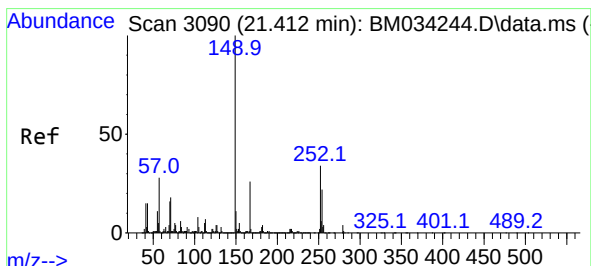
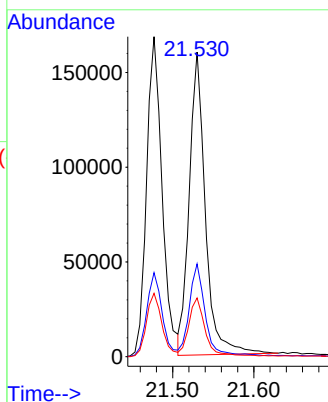
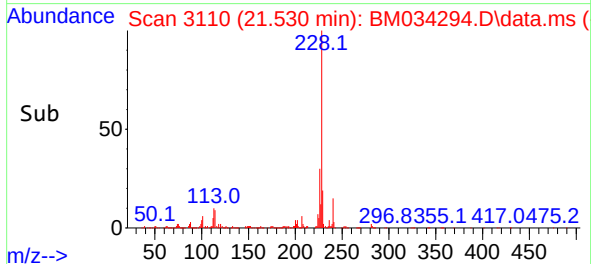
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



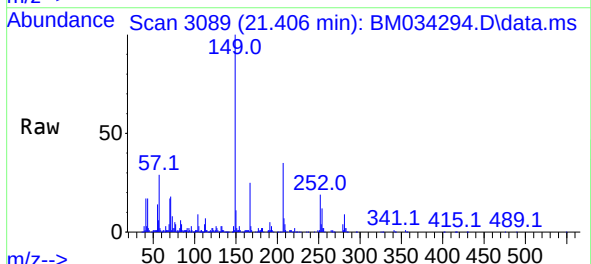
Tgt Ion:228 Resp: 221117
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 19.3 15.6 23.4

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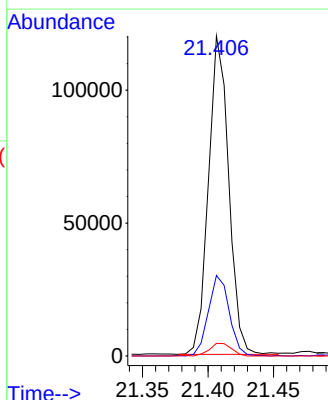
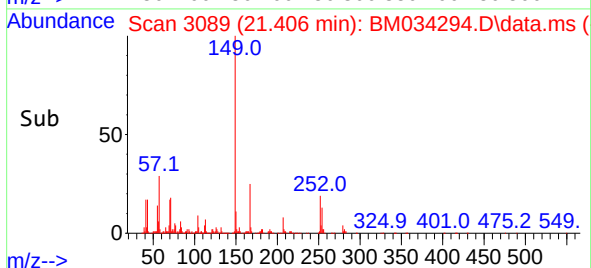
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

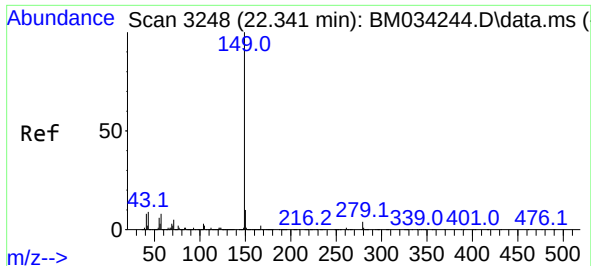


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.999 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



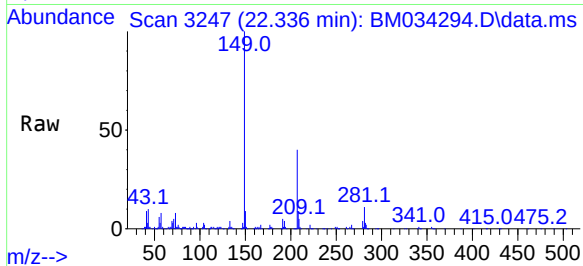
Tgt Ion:149 Resp: 128902
Ion Ratio Lower Upper
149 100
167 25.1 21.2 31.8
279 3.9 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 3.141 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

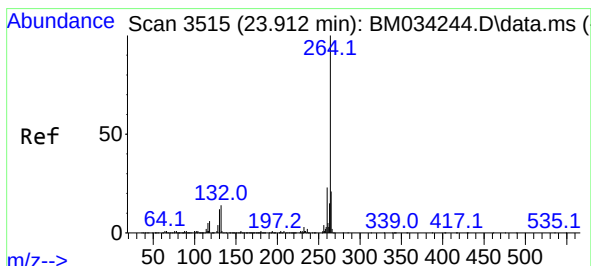
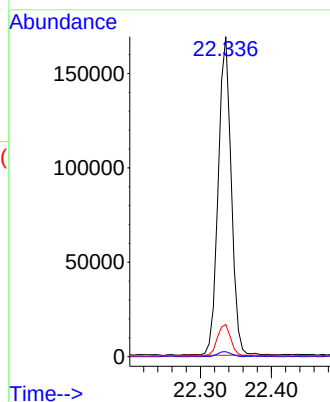
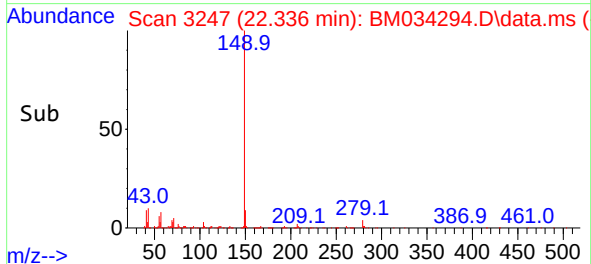
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



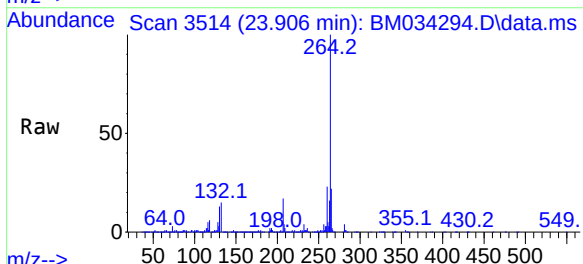
Tgt Ion:149 Resp: 214330
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.3 7.8 11.8

Manual Integrations
APPROVED

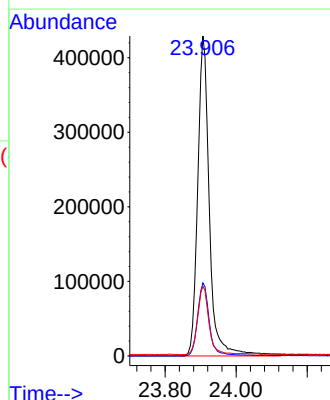
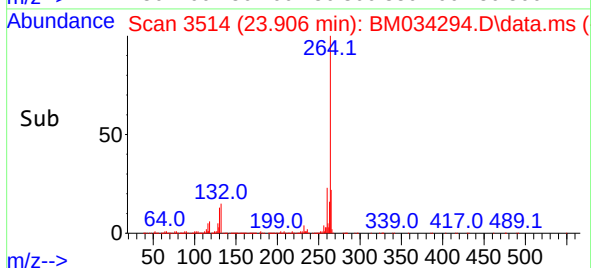
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

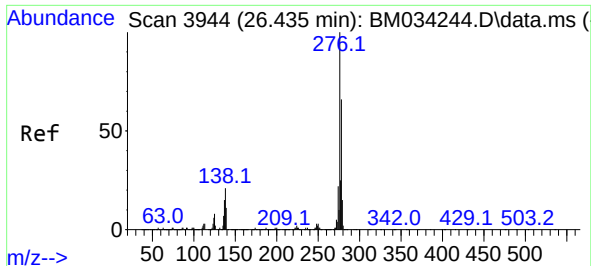


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



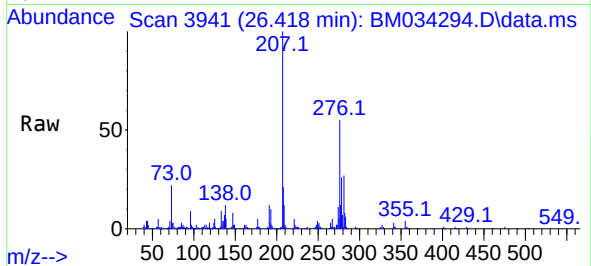
Tgt Ion:264 Resp: 980496
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 21.8 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.762 ng
RT: 26.418 min Scan# 3941
Delta R.T. -0.017 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

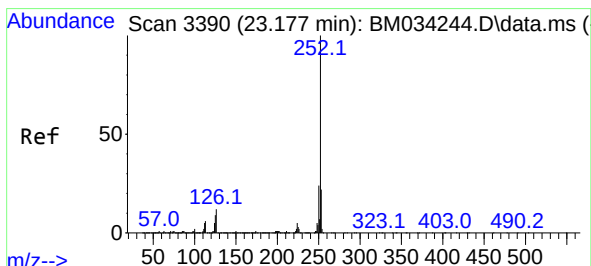
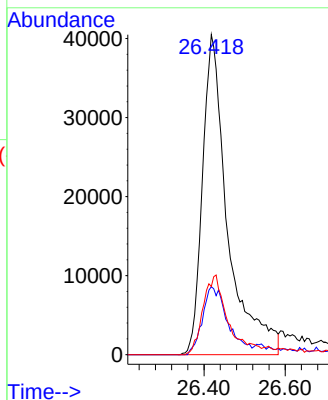
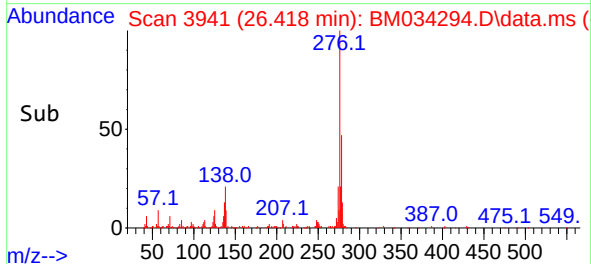
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



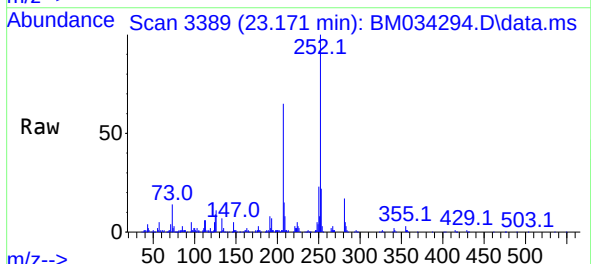
Tgt Ion:276 Resp: 174220
Ion Ratio Lower Upper
276 100
138 21.4 16.6 25.0
277 24.6 19.8 29.6

Manual Integrations
APPROVED

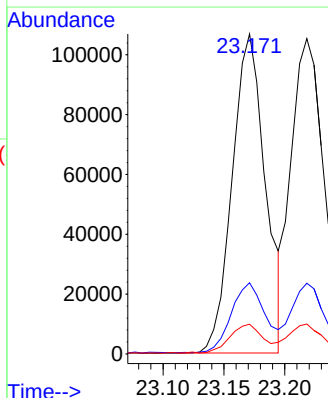
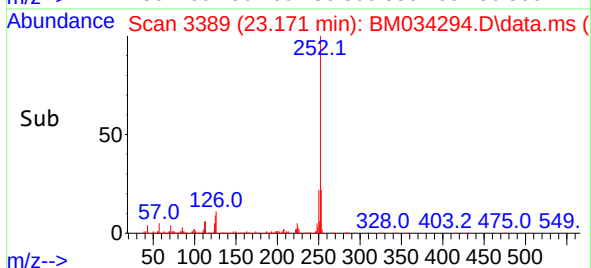
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

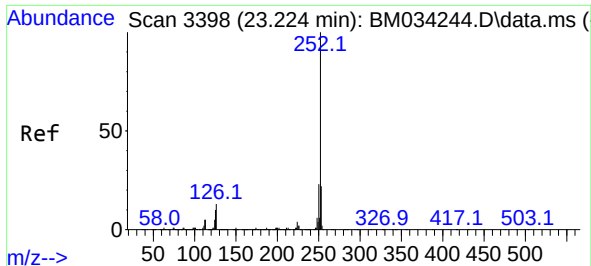


#88
Benzo(b)fluoranthene
Concen: 3.438 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53



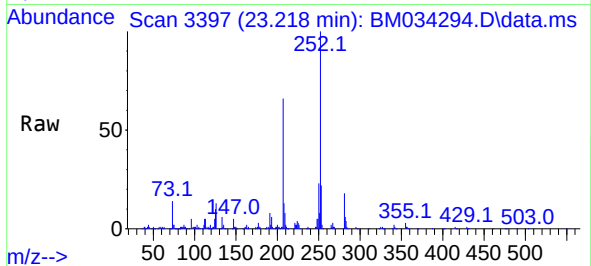
Tgt Ion:252 Resp: 201554
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.3 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 3.633 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

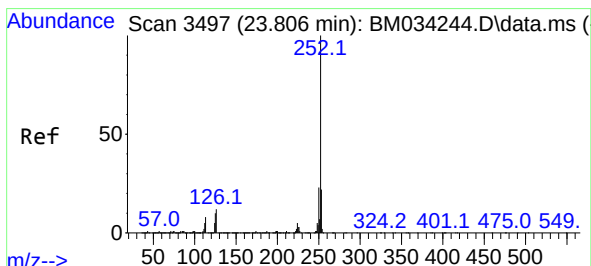
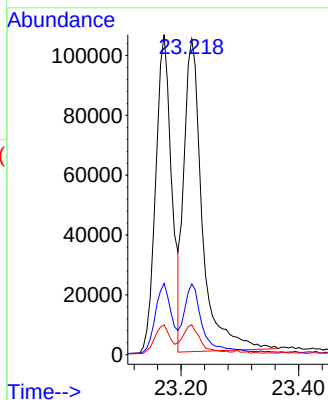
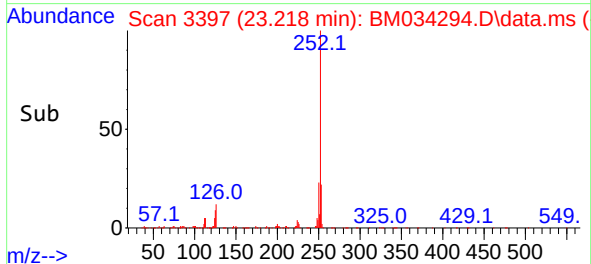
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:252 Resp: 22564
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.5 7.5 11.3

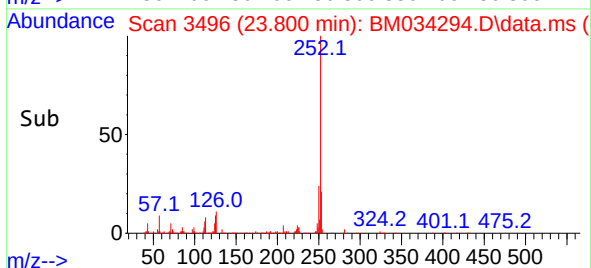
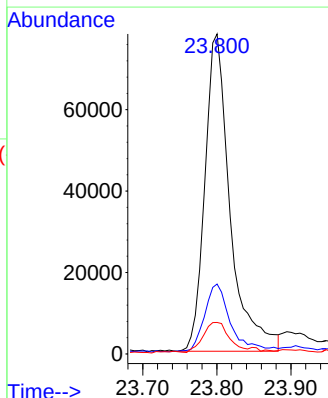
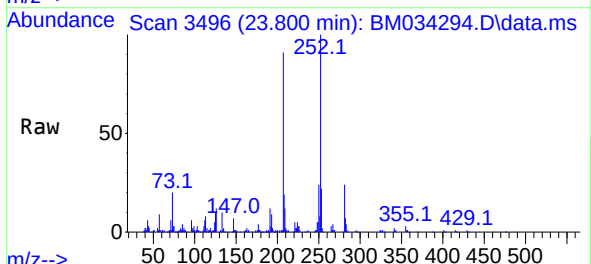
Manual Integrations
APPROVED

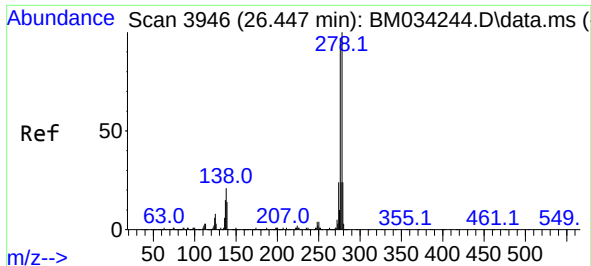
Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#90
Benzo(a)pyrene
Concen: 3.719 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:252 Resp: 184857
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.8 7.8 11.6





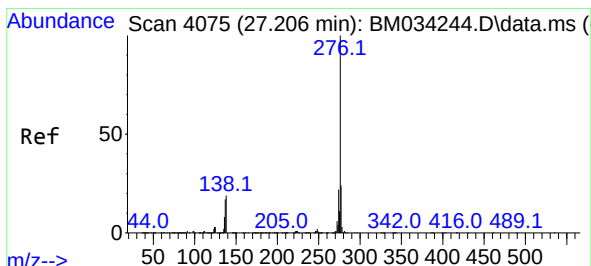
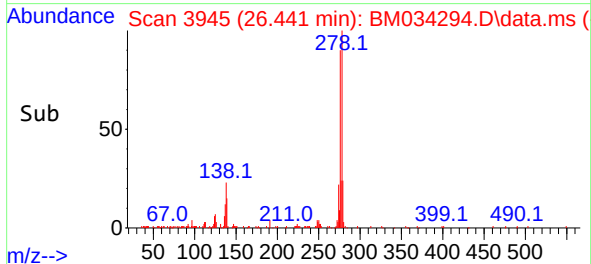
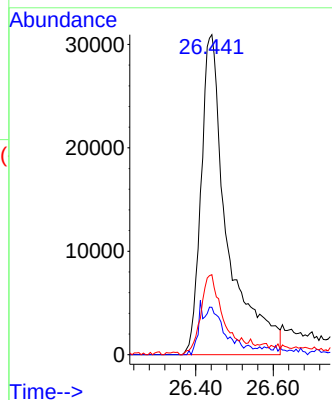
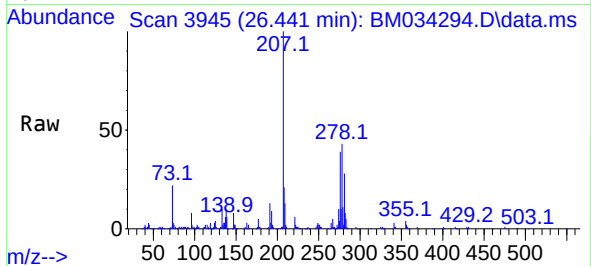
#91
Dibenzo(a,h)anthracene
Concen: 2.846 ng
RT: 26.441 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

Tgt Ion:278 Resp: 145554
Ion Ratio Lower Upper
278 100
139 14.8 11.2 16.8
279 25.0 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: 3.203 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:276 Resp: 169573
Ion Ratio Lower Upper
276 100
277 20.7 19.0 28.4
138 20.6 15.6 23.4

