

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

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	30843	2.776 ng	# 86
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	40122	5.732 ng	99
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
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	10445	3.002 ng	92
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
44) 2,4,5-Trichlorophenol	13.089	196	28459	2.904 ng	97

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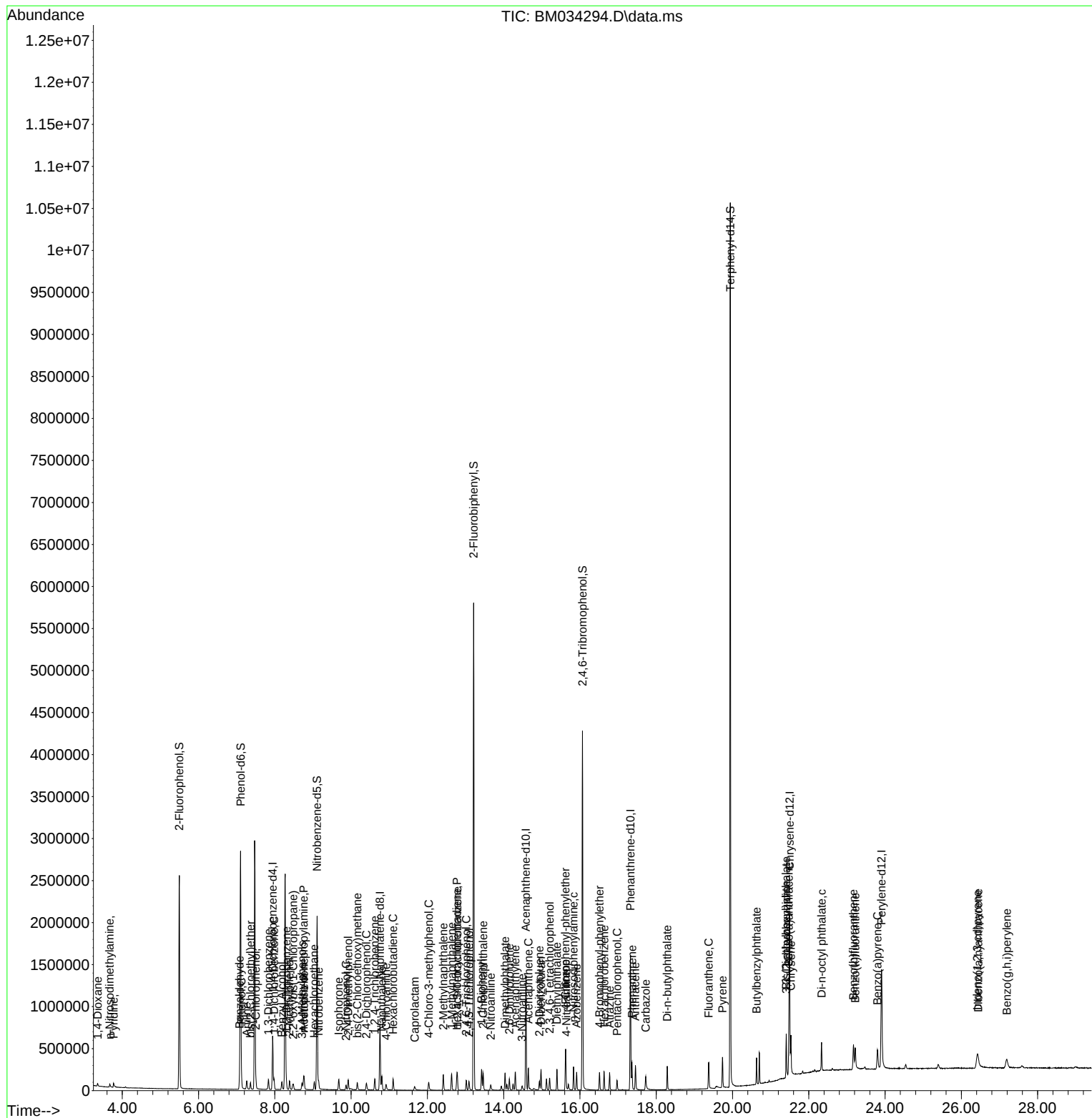
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.419	154	127802	3.825	ng	99
47) 2-Chloronaphthalene	13.460	162	93222	3.635	ng	97
48) 2-Nitroaniline	13.660	65	21409	2.731	ng	97
49) Acenaphthylene	14.307	152	148745	3.722	ng	99
50) Dimethylphthalate	14.036	163	122953	3.687	ng	100
51) 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
55) Dibenzofuran	14.977	168	148716	3.707	ng	100
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	13424	2.034	ng	87
63) Azobenzene	15.913	77	114246	3.463	ng	99
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
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

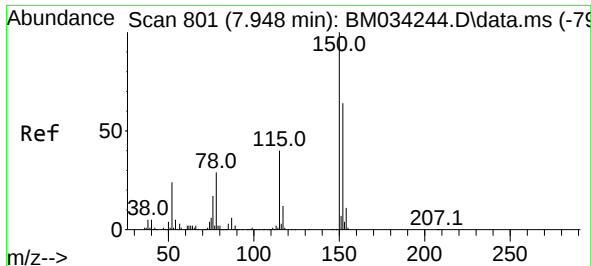
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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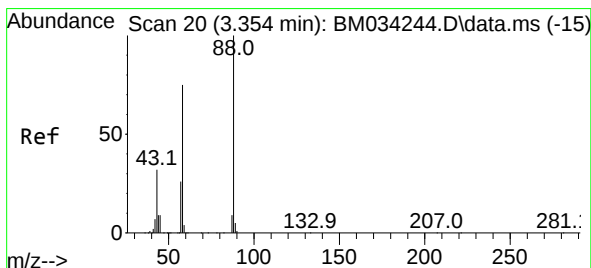
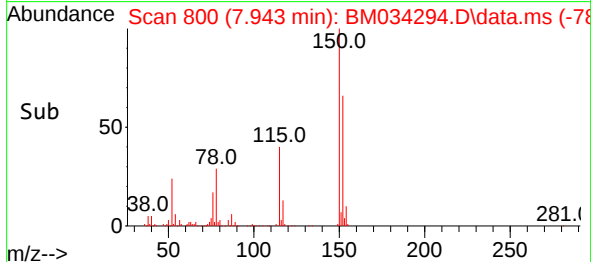
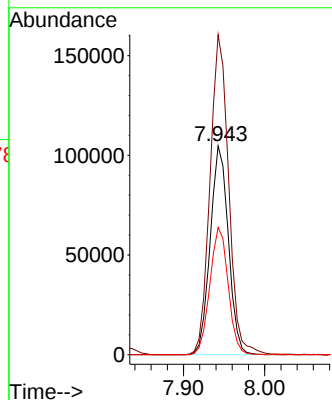
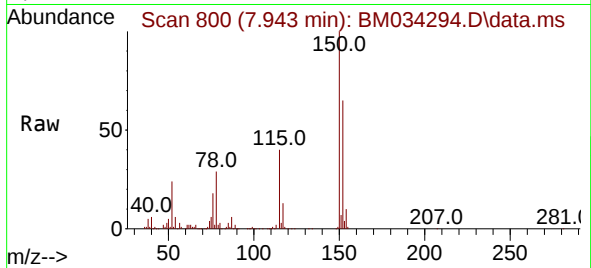




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 80
Delta R.T. -0.005 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

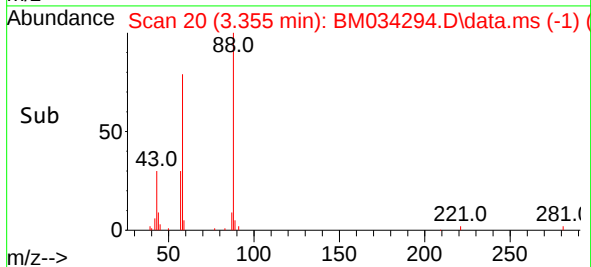
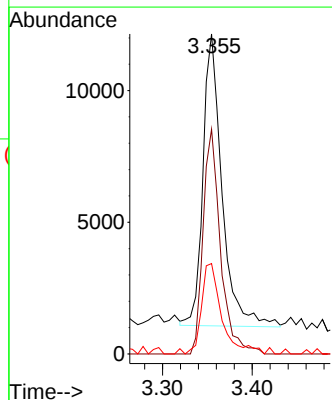
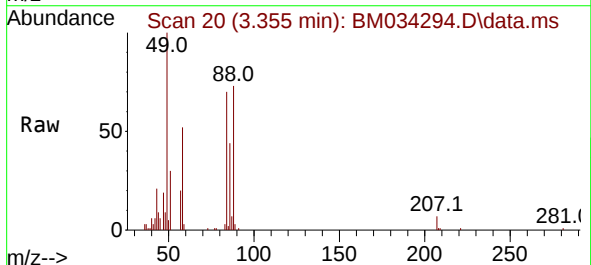
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BNA_M
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LOD-MDL-SOIL-01-QT4-2021

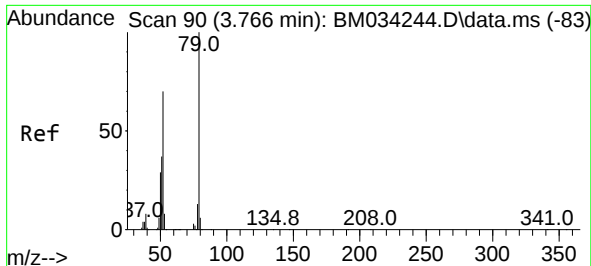
Tgt Ion:152 Resp: 162795
Ion Ratio Lower Upper
152 100
150 153.2 125.4 188.2
115 60.9 50.1 75.1



#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

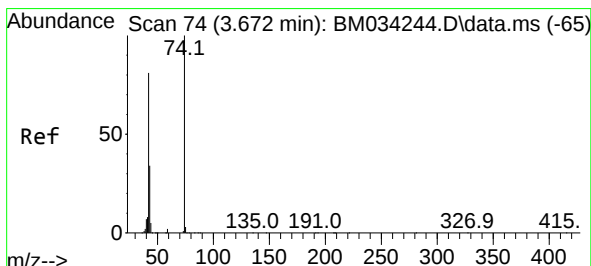
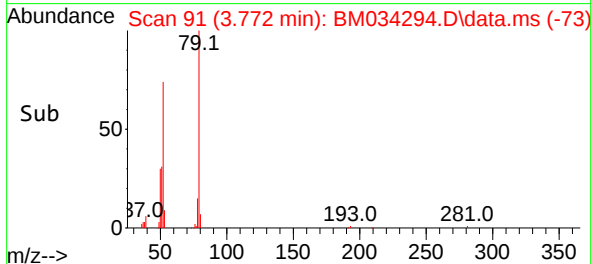
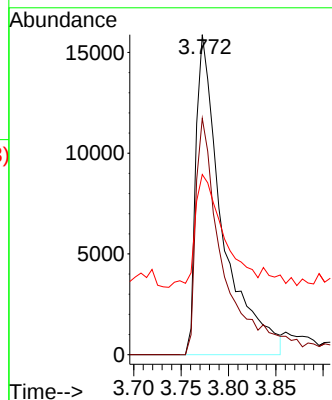
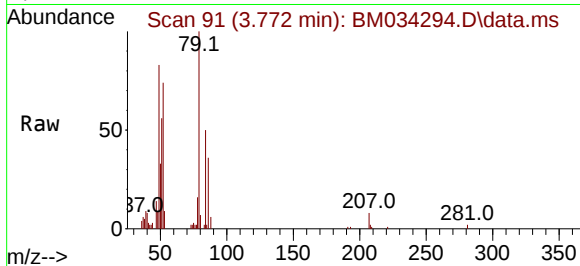




#3
 Pyridine
 Concen: 2.776 ng
 RT: 3.772 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: BM034294.D
 Acq: 21 Mar 2022 18:53

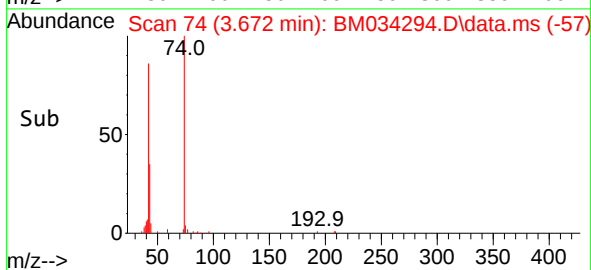
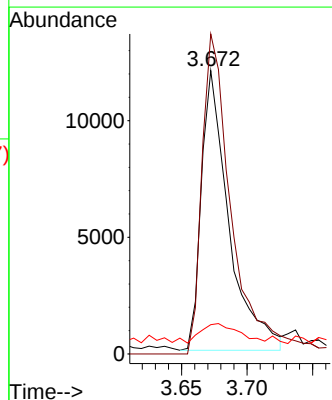
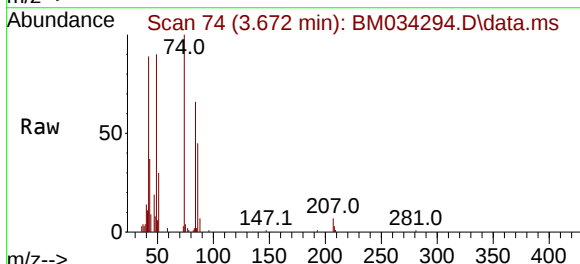
Instrument :
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 ClientSampleId :
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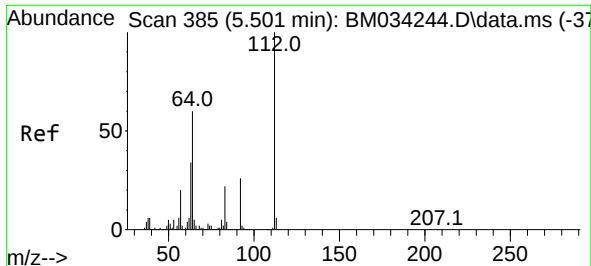
Tgt Ion: 79 Resp: 30843
 Ion Ratio Lower Upper
 79 100
 52 73.9 56.1 84.1
 51 56.3 30.4 45.6#



#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#

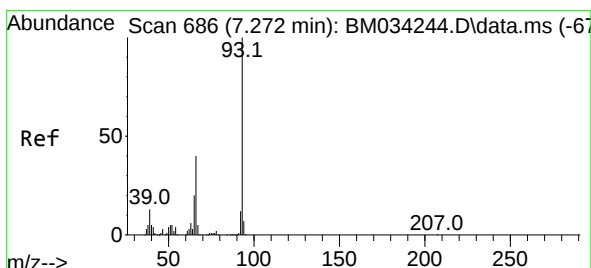
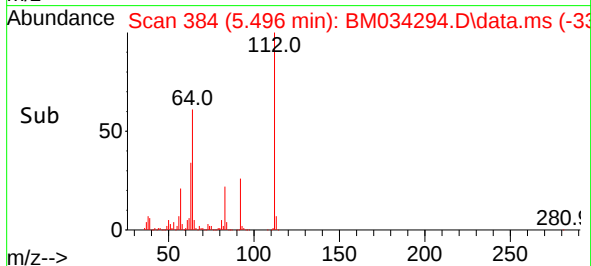
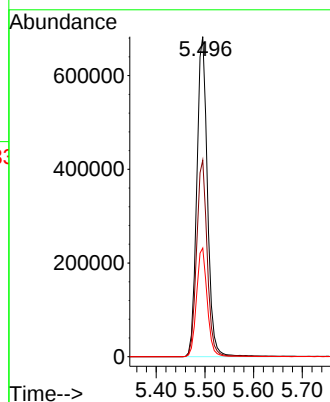
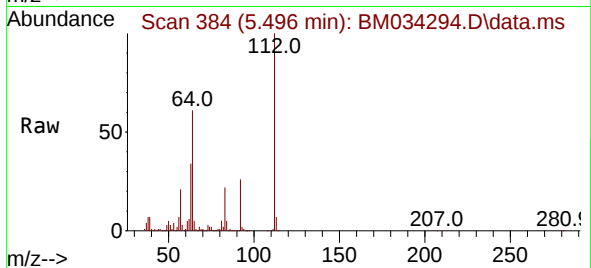




#5
2-Fluorophenol
Concen: 115.067 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

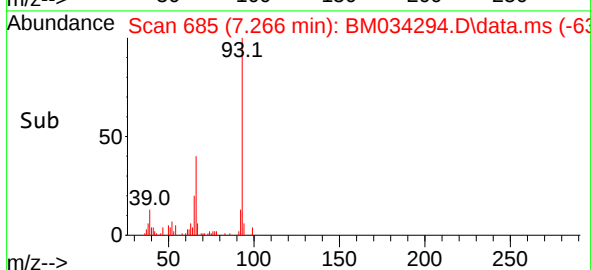
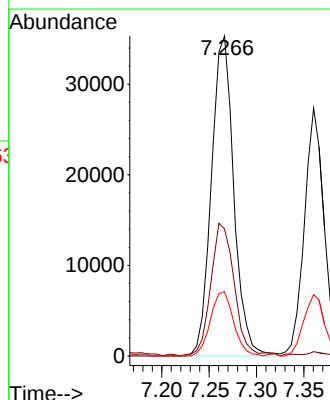
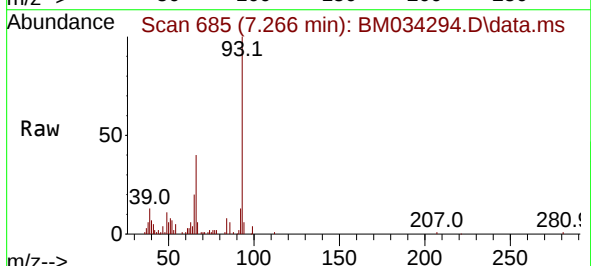
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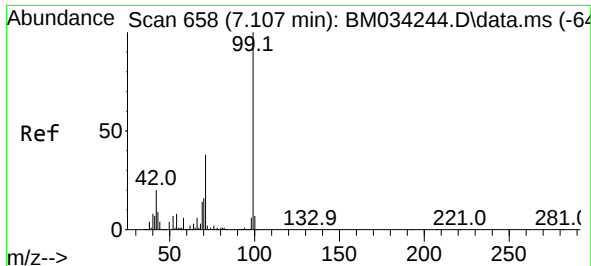
Tgt Ion:112 Resp: 1044189
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 33.9 27.1 40.7



#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

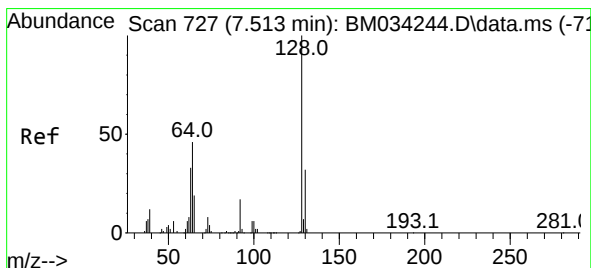
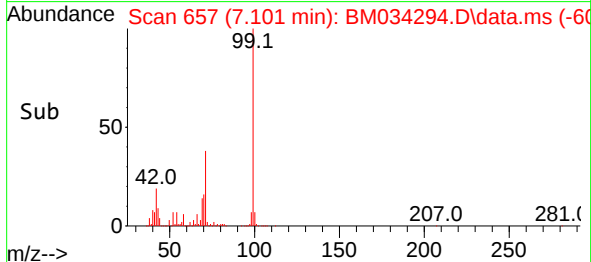
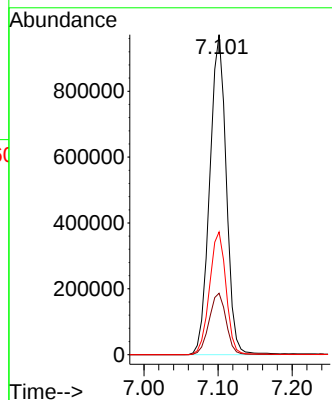
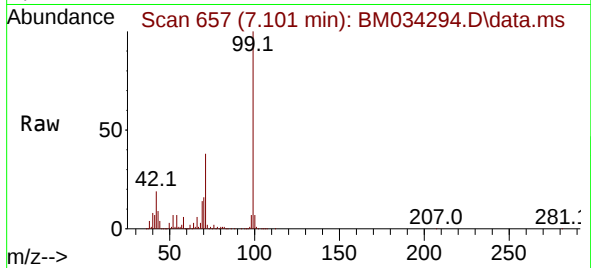




#7
Phenol-d6
Concen: 116.160 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

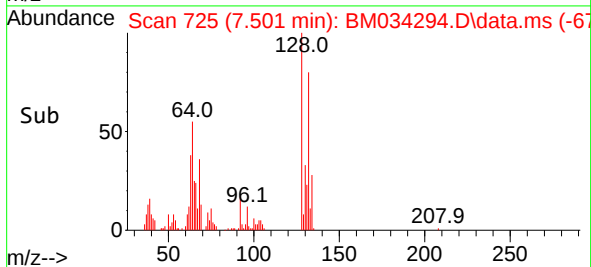
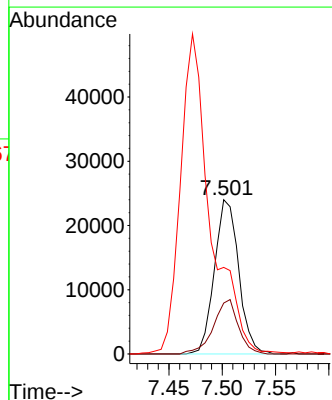
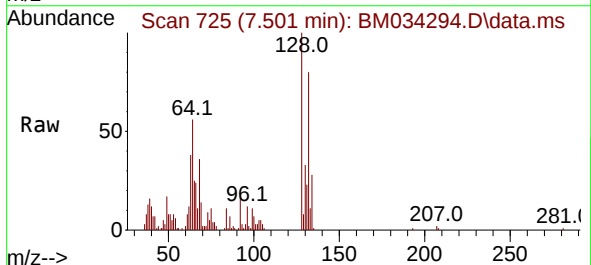
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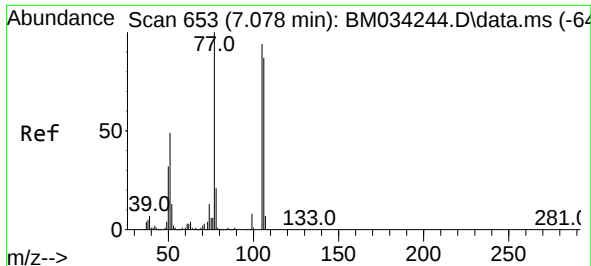
Tgt Ion: 99 Resp: 1509236
Ion Ratio Lower Upper
99 100
42 19.2 15.6 23.4
71 38.4 30.6 46.0



#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

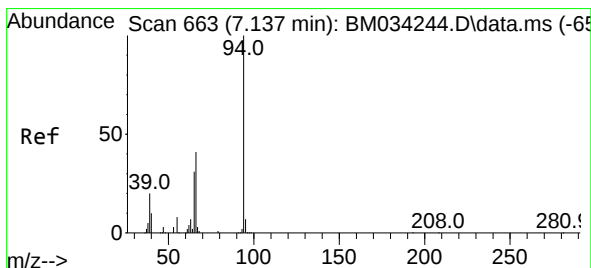
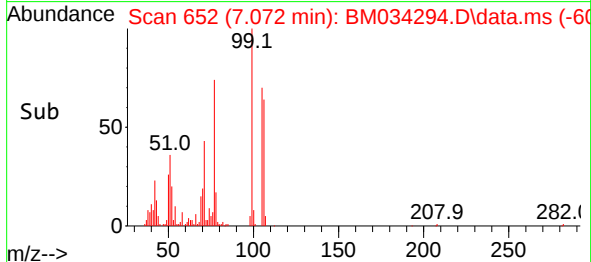
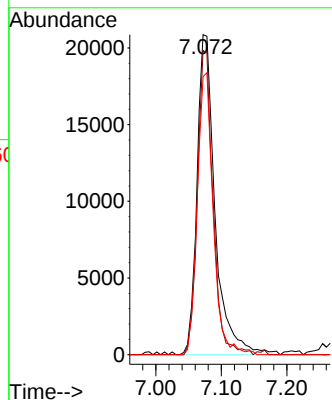
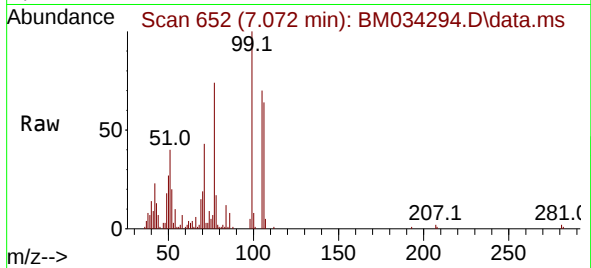




#9
Benzaldehyde
Concen: 5.732 ng
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034294.D
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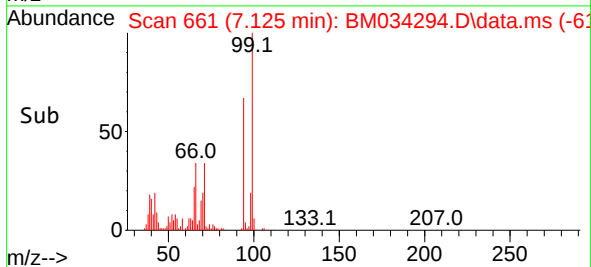
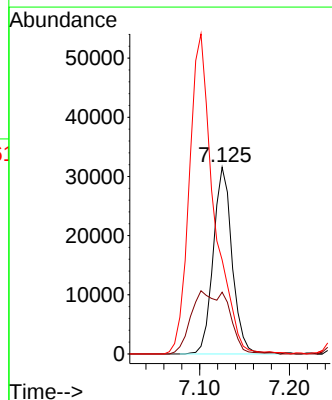
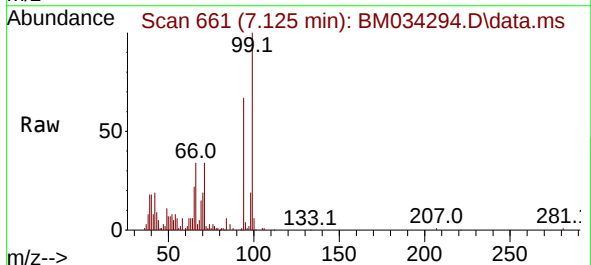
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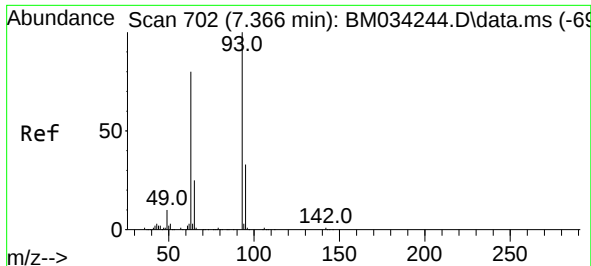
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Ion Ratio Lower Upper
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105 95.1 73.9 113.9
106 86.9 67.2 107.2



#10
Phenol
Concen: 3.579 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034294.D
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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

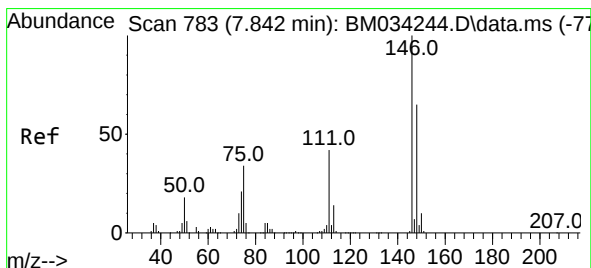
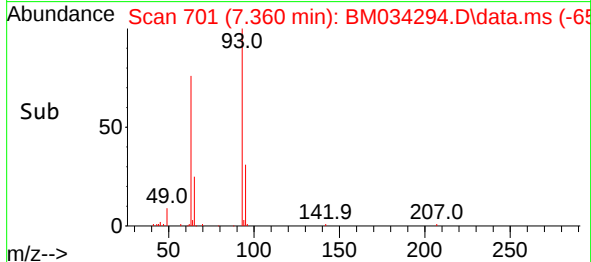
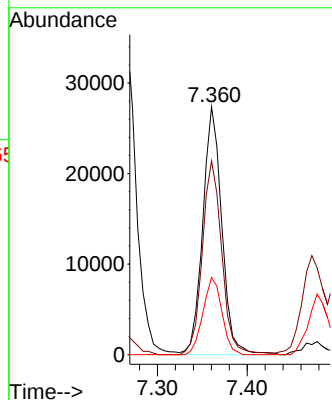
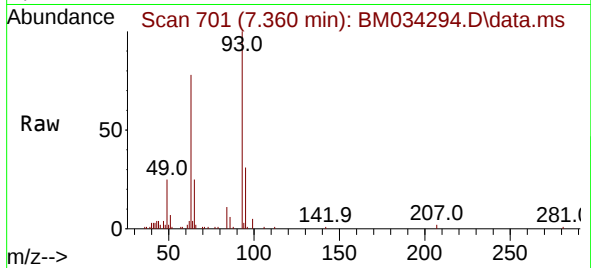




#11
bis(2-Chloroethyl)ether
Concen: 3.806 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

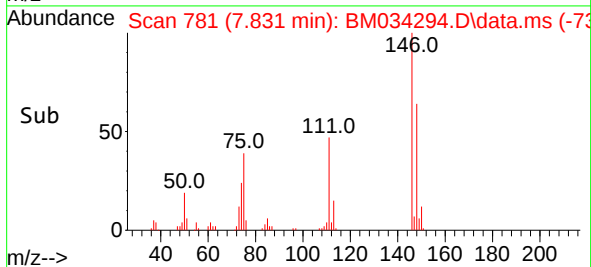
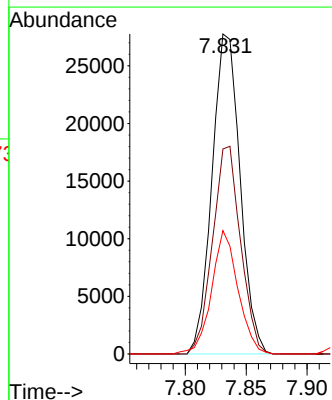
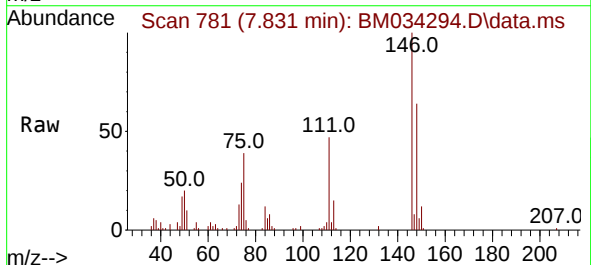
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

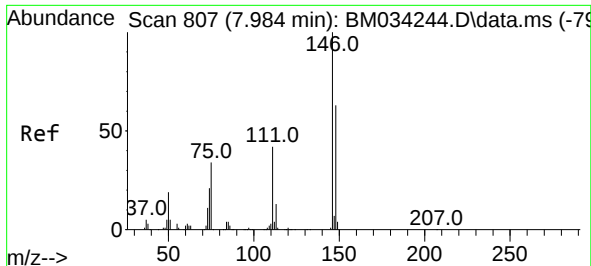
Tgt Ion: 93 Resp: 40373
Ion Ratio Lower Upper
93 100
63 78.2 59.6 99.6
95 31.2 12.6 52.6



#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

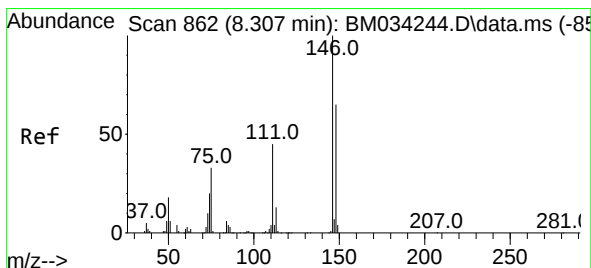
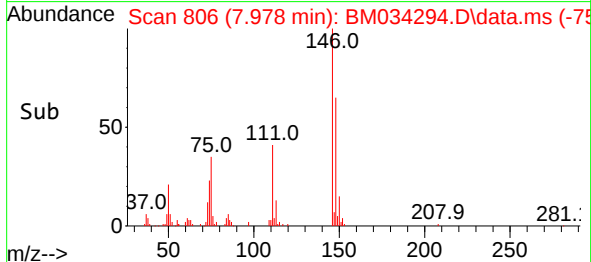
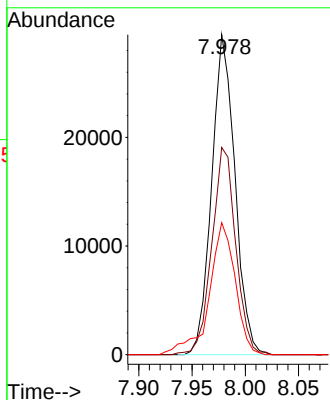
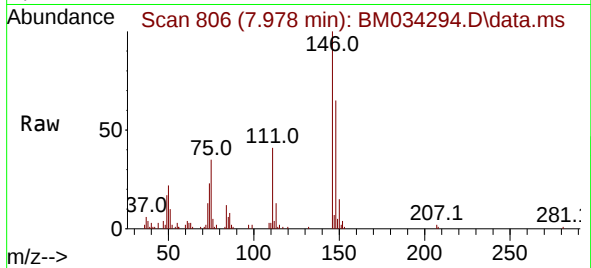




#13
1,4-Dichlorobenzene
Concen: 3.631 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

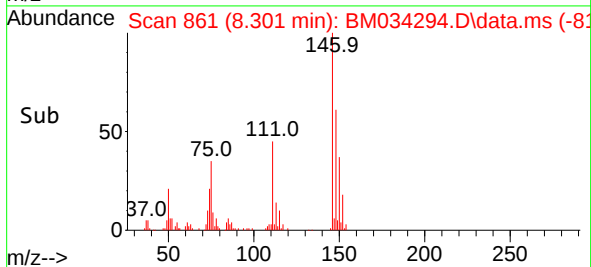
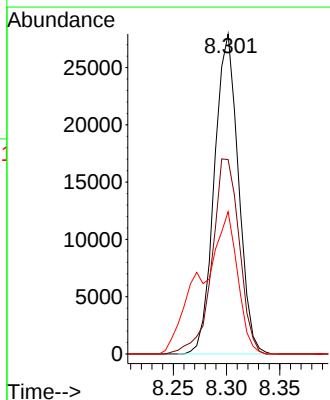
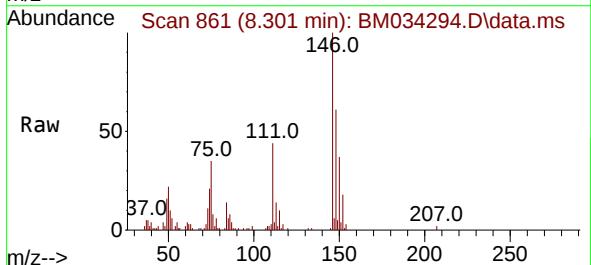
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

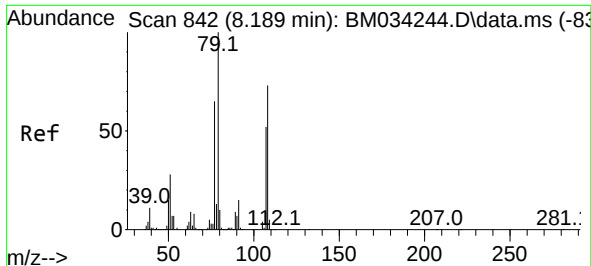
Tgt Ion:146 Resp: 44758
Ion Ratio Lower Upper
146 100
148 64.8 50.6 76.0
111 41.3 34.0 51.0



#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

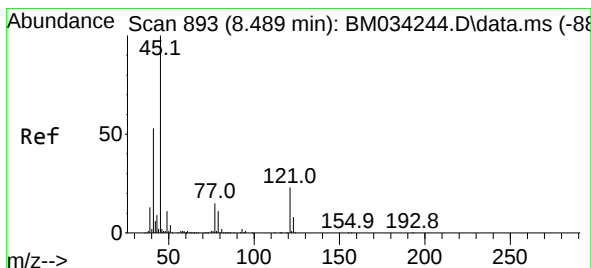
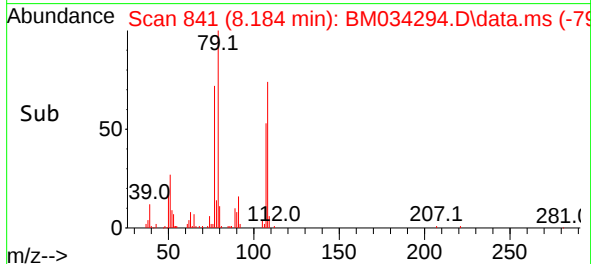
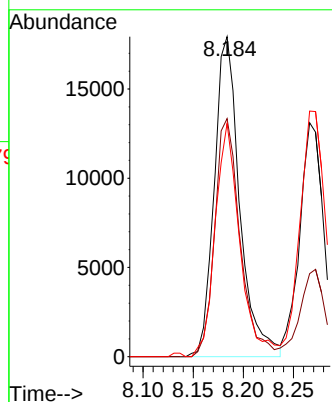
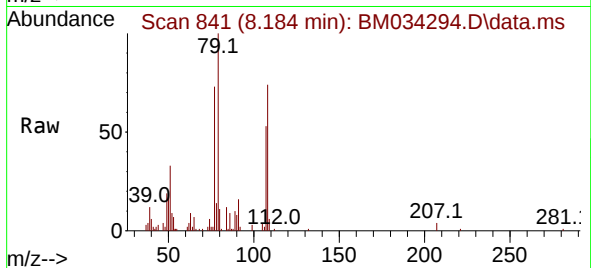




#15
Benzyl Alcohol
Concen: 3.061 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

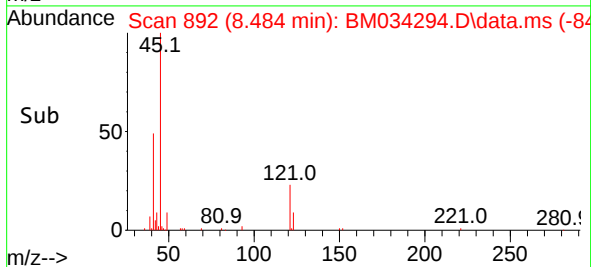
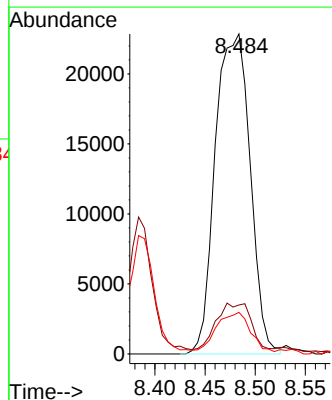
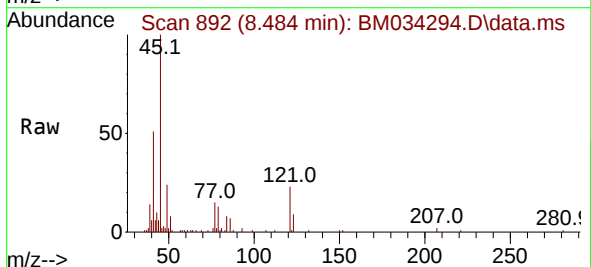
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

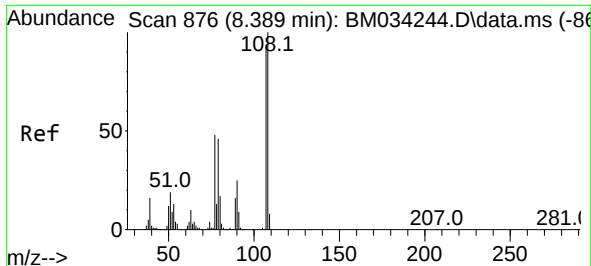
Tgt Ion: 79 Resp: 31650
Ion Ratio Lower Upper
79 100
108 74.4 58.1 87.1
77 72.9 51.8 77.6



#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

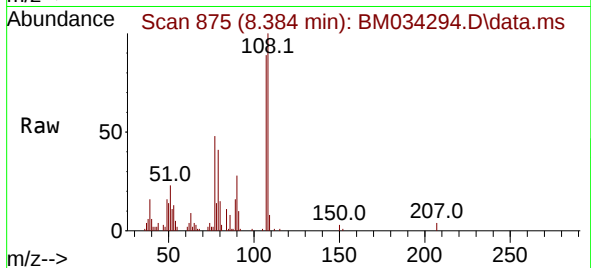
Tgt Ion: 45 Resp: 55343
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.7
79 13.0 0.0 31.7



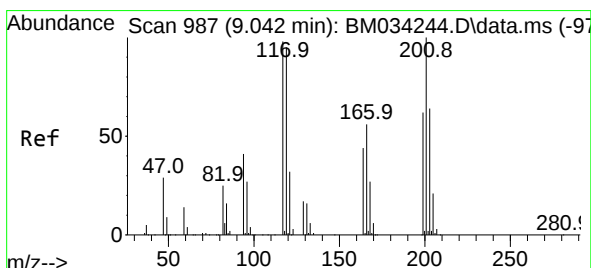
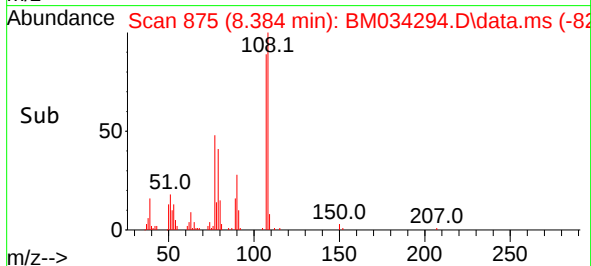
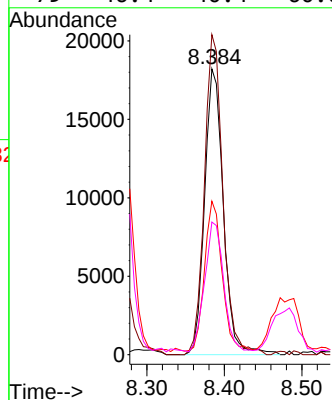


#17
2-Methylphenol
Concen: 3.390 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

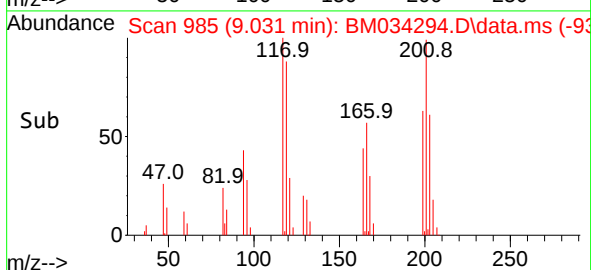
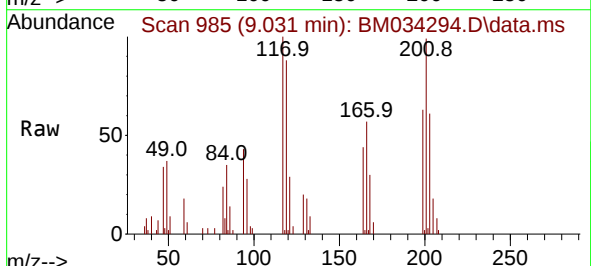
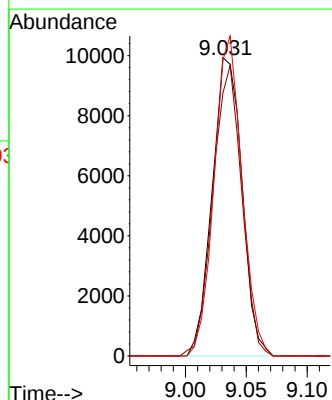


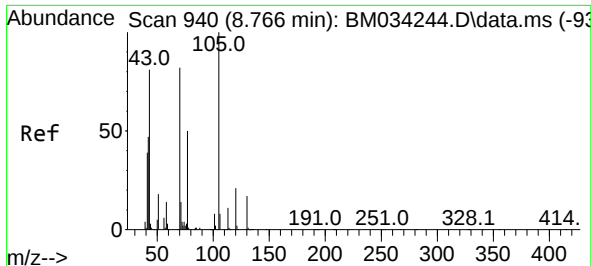
Tgt Ion:	107	Resp:	30683
Ion	Ratio	Lower	Upper
107	100		
108	112.0	87.3	130.9
77	53.7	41.6	62.4
79	46.4	40.4	60.6



#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

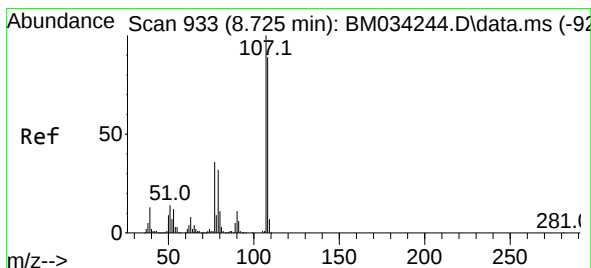
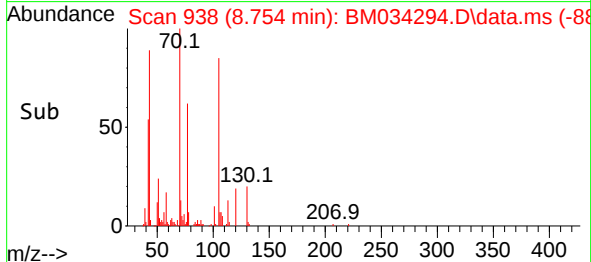
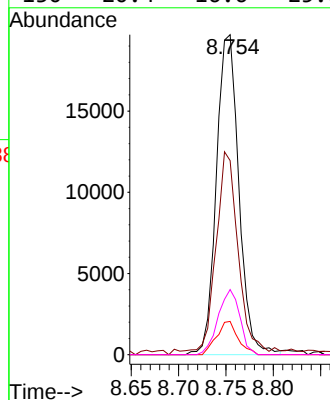
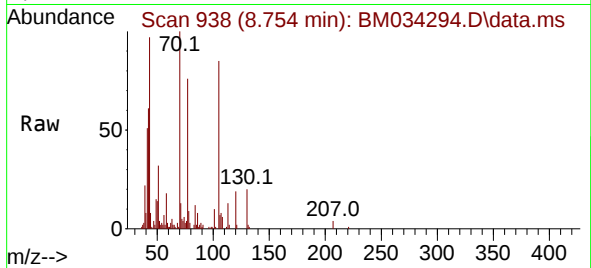




#19
n-Nitroso-di-n-propylamine
Concen: 3.465 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

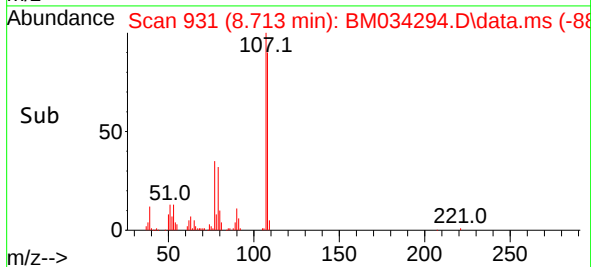
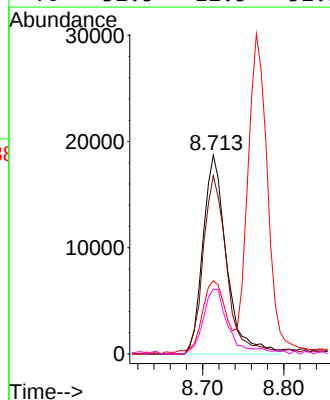
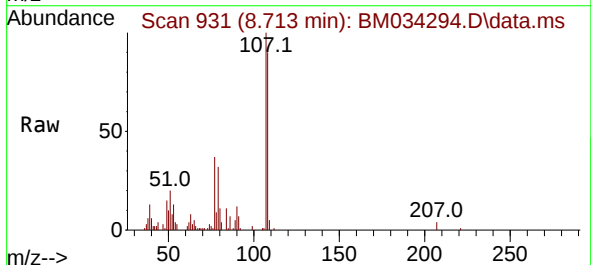
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

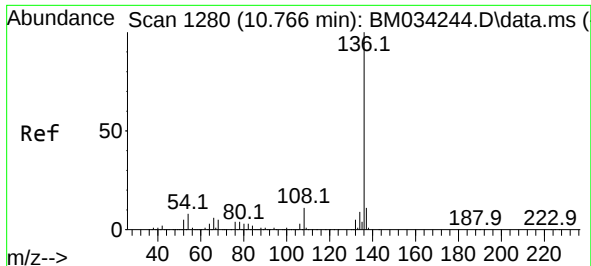
Tgt Ion:	70	Resp:	32563
Ion	Ratio	Lower	Upper
70	100		
42	60.7	46.7	70.1
101	10.4	7.8	11.6
130	20.4	16.6	25.0



#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

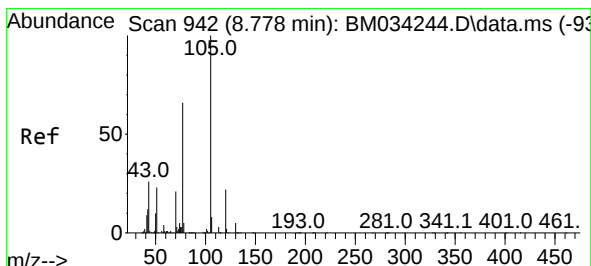
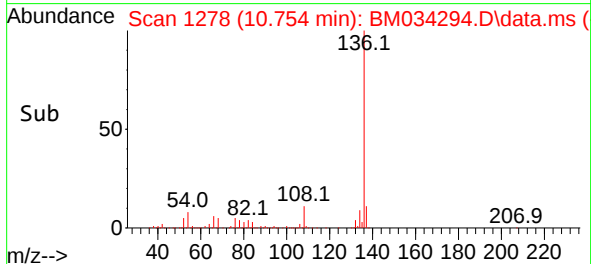
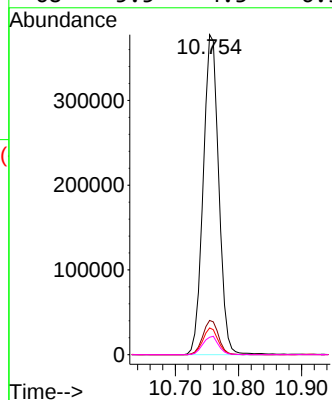
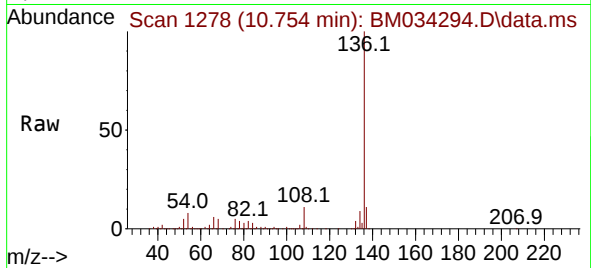




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

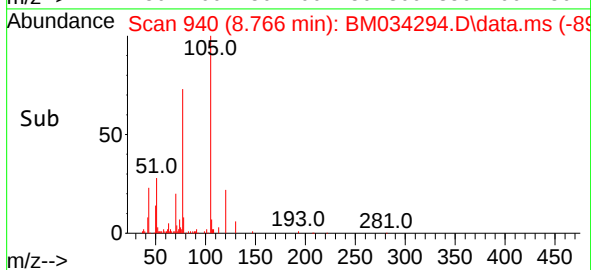
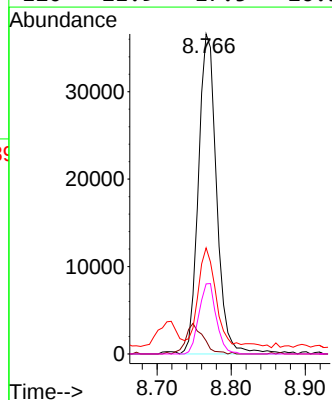
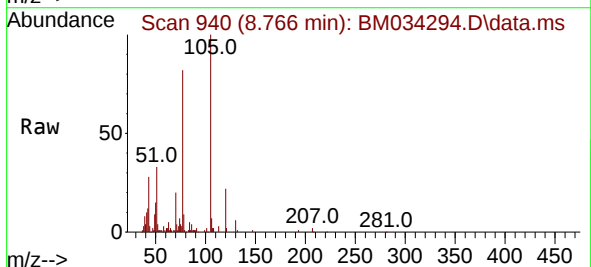
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

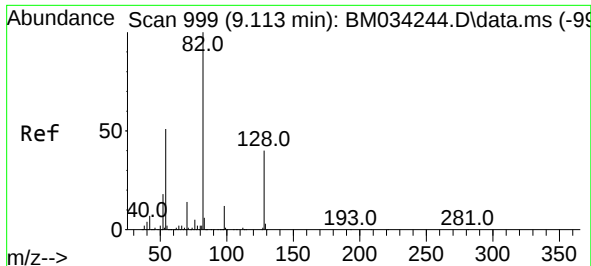
Tgt Ion:	136	Resp:	646854
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	8.3	6.2	9.4
68	5.5	4.3	6.5



#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

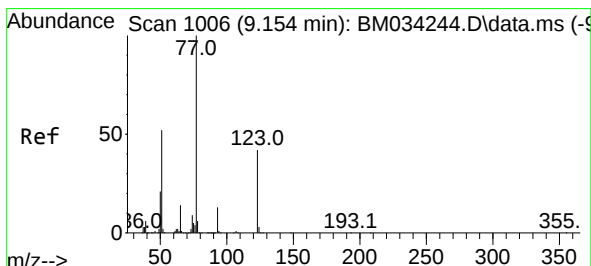
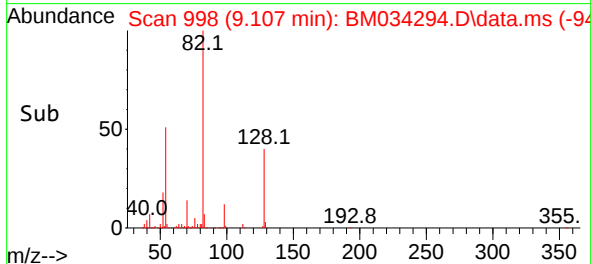
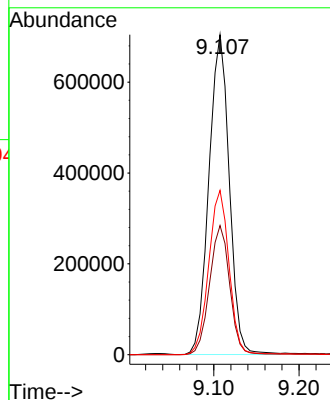
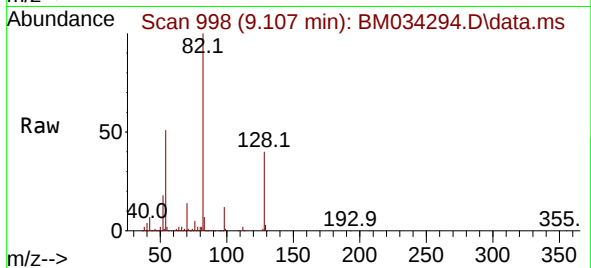




#23
Nitrobenzene-d5
Concen: 88.046 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

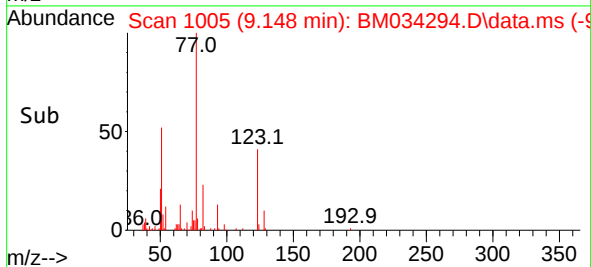
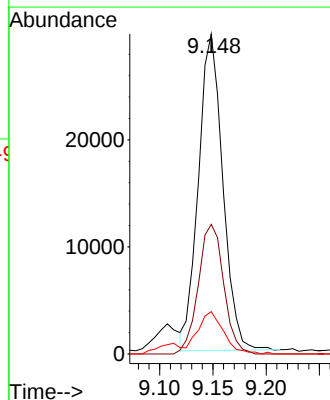
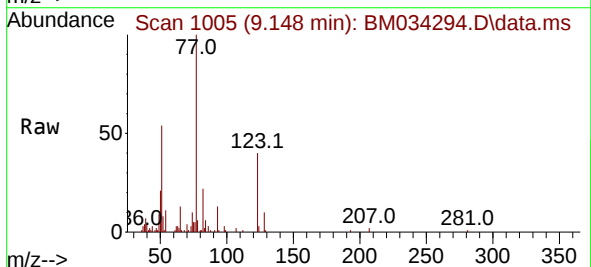
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

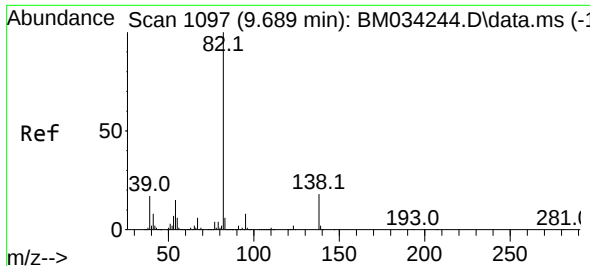
Tgt Ion: 82 Resp: 1169786
Ion Ratio Lower Upper
82 100
128 40.3 31.9 47.9
54 51.3 40.6 61.0



#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

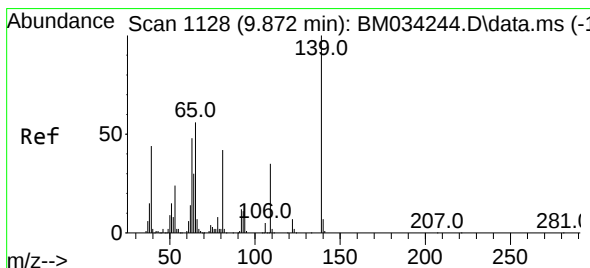
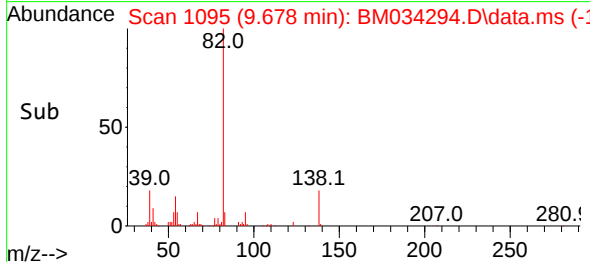
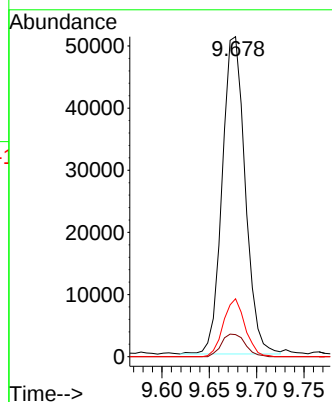
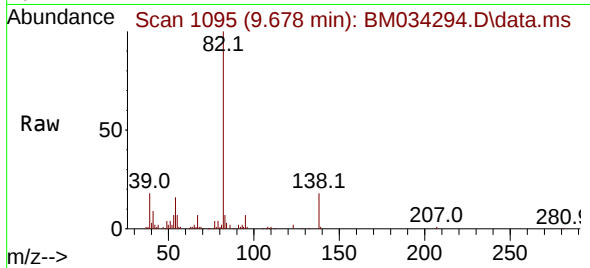




#25
Isophorone
Concen: 3.882 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

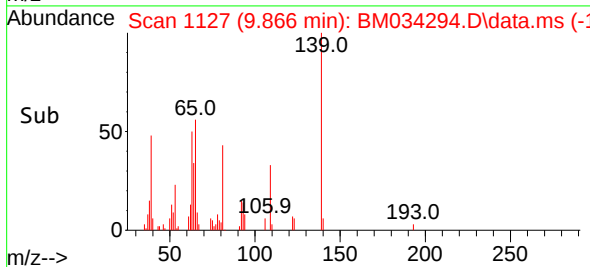
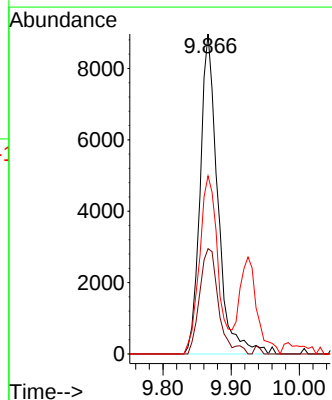
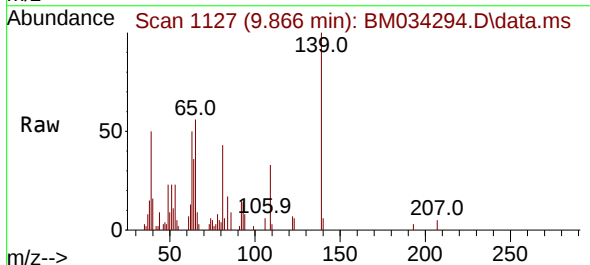
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

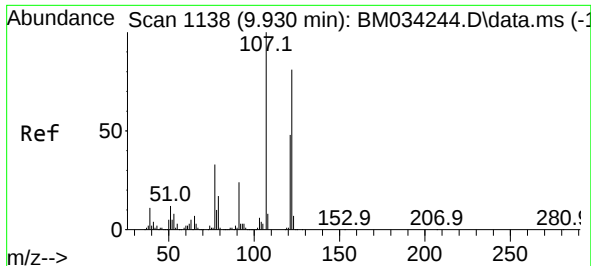
Tgt Ion: 82 Resp: 86300
Ion Ratio Lower Upper
82 100
95 6.9 6.6 9.8
138 18.1 14.4 21.6



#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# 1137

Delta R.T. -0.006 min

Lab File: BM034294.D

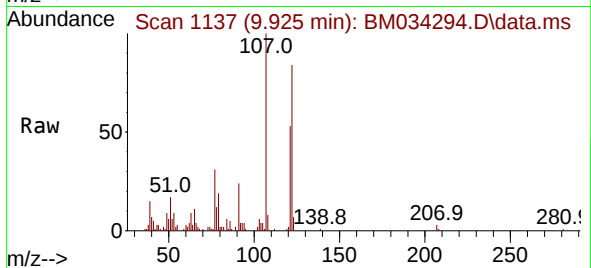
Acq: 21 Mar 2022 18:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



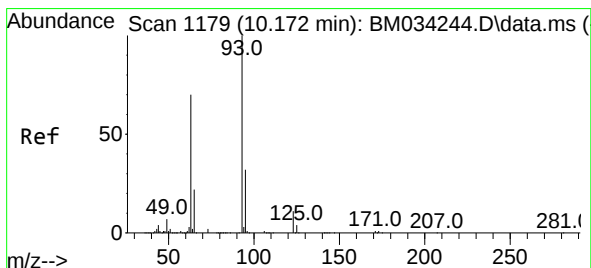
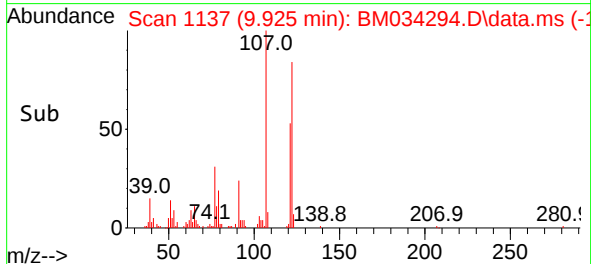
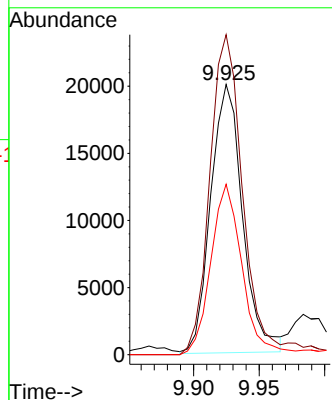
Tgt Ion:122 Resp: 33823

Ion Ratio Lower Upper

122 100

107 118.4 99.0 148.6

121 63.1 47.7 71.5



#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

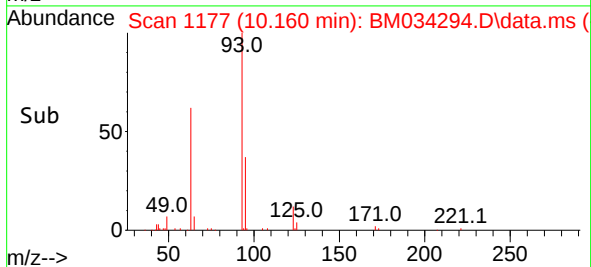
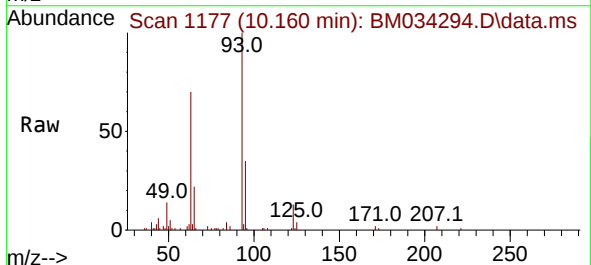
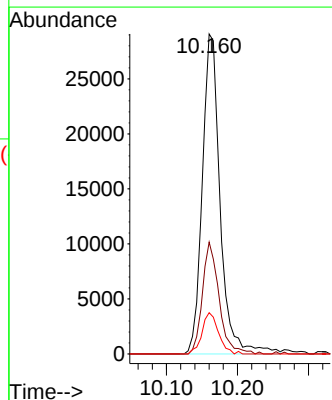
Tgt Ion: 93 Resp: 50915

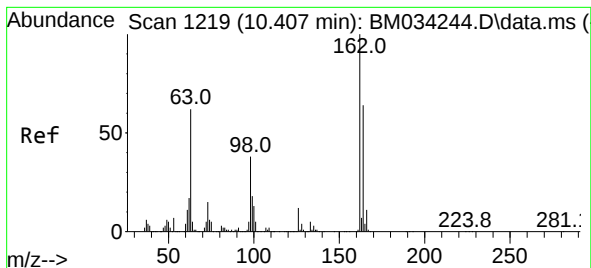
Ion Ratio Lower Upper

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# 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

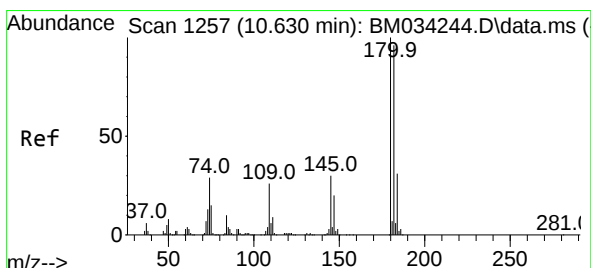
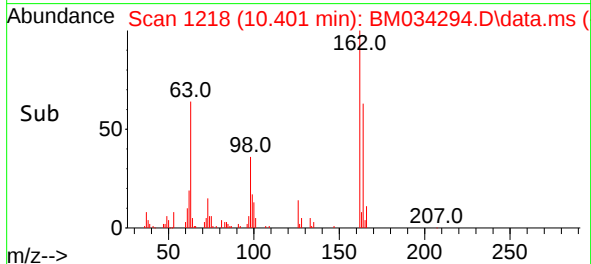
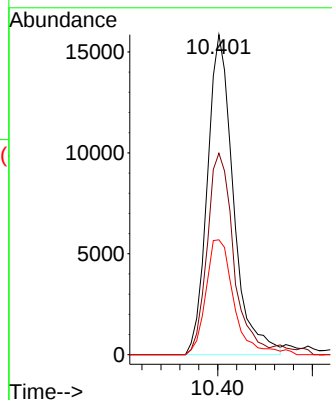
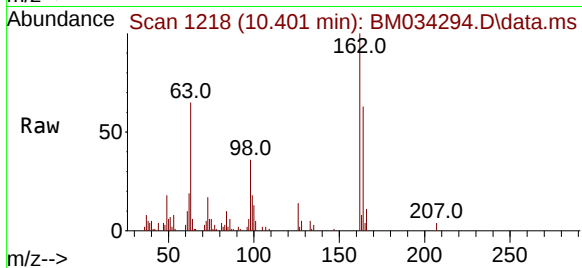
Tgt Ion:162 Resp: 30343

Ion Ratio Lower Upper

162 100

164 62.9 43.9 83.9

98 35.9 17.6 57.6



#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

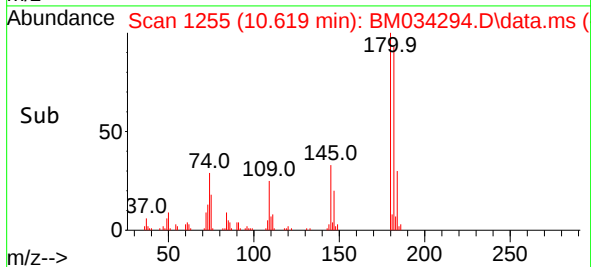
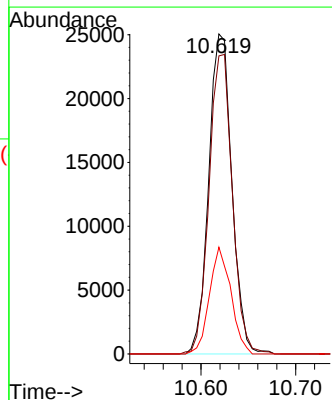
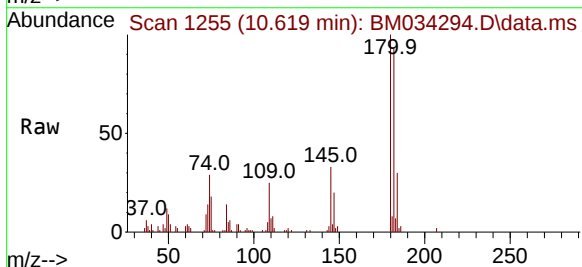
Tgt Ion:180 Resp: 42628

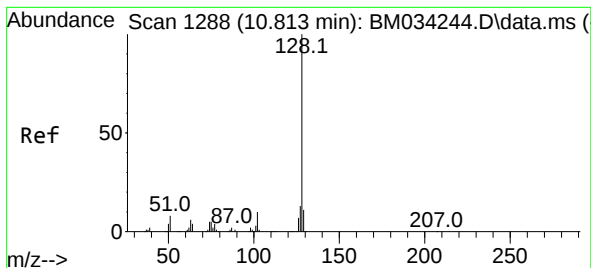
Ion Ratio Lower Upper

180 100

182 93.2 77.0 115.4

145 33.3 23.7 35.5

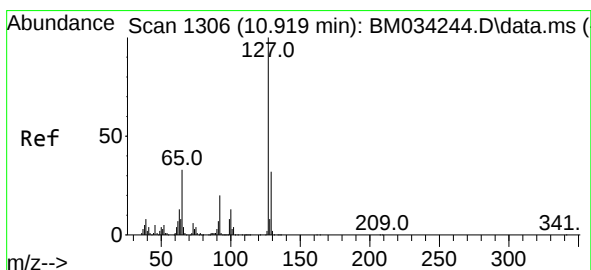
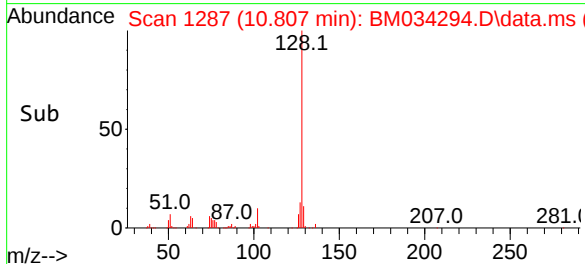
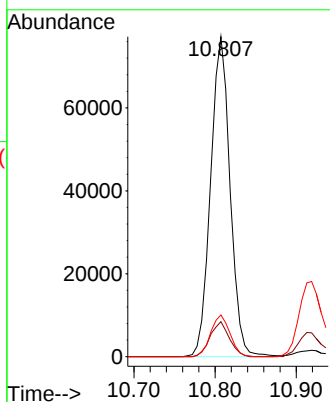
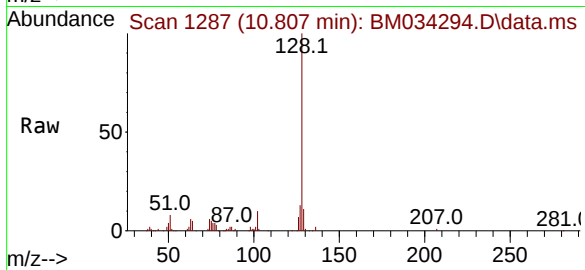




#31
Naphthalene
Concen: 3.818 ng
RT: 10.807 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

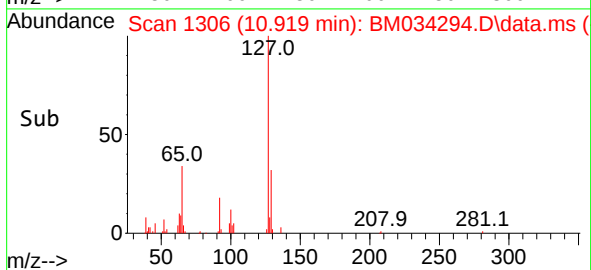
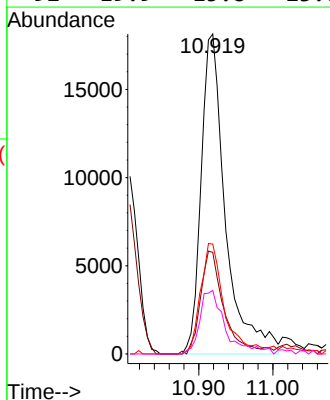
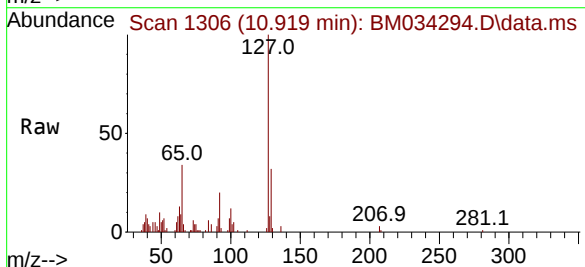
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

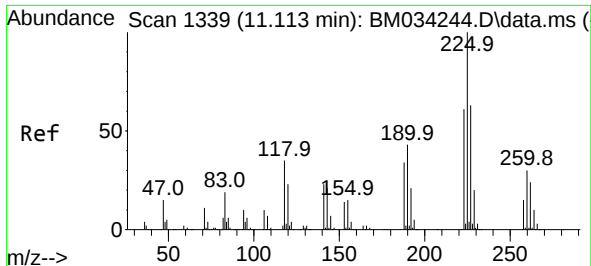
Tgt Ion:128 Resp: 128675
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.2 15.4



#33
4-Chloroaniline
Concen: 3.118 ng
RT: 10.919 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:127 Resp: 41455
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

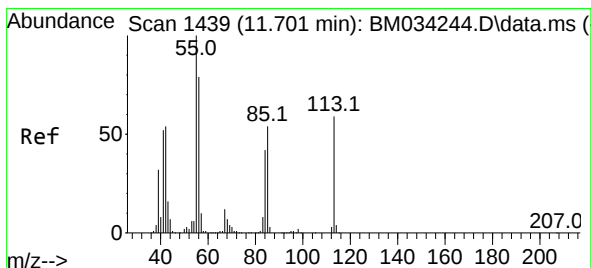
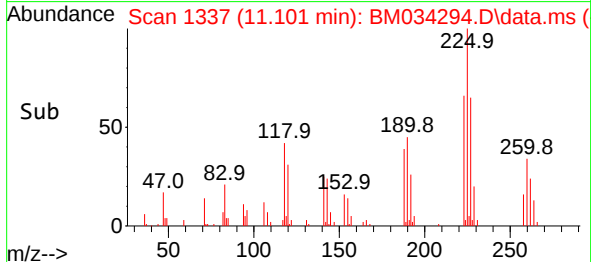
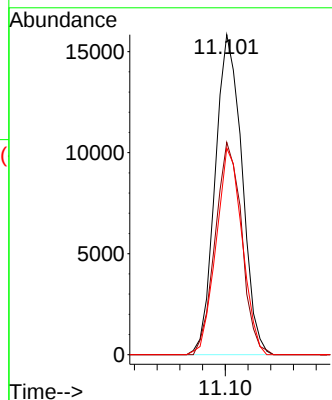
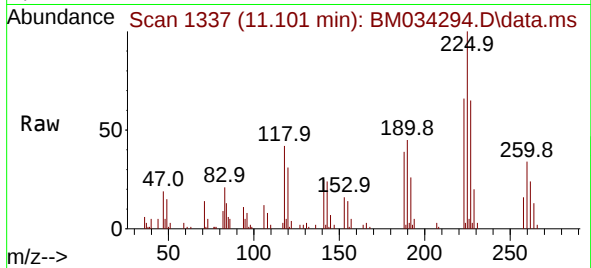




#34
Hexachlorobutadiene
Concen: 3.606 ng
RT: 11.101 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

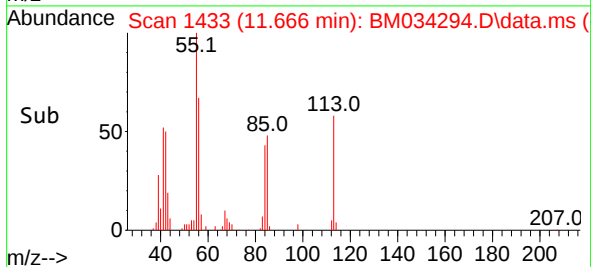
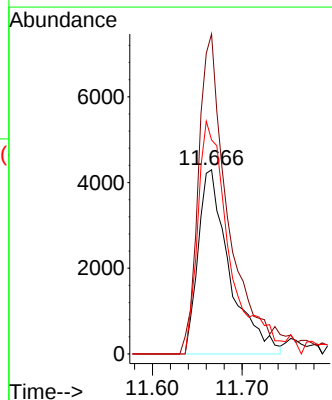
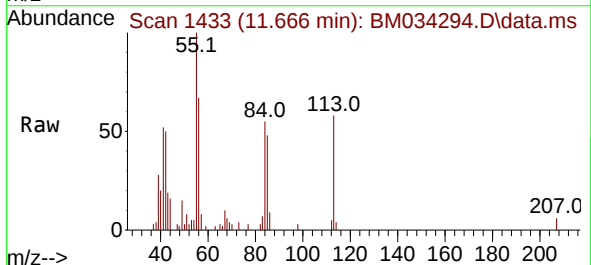
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

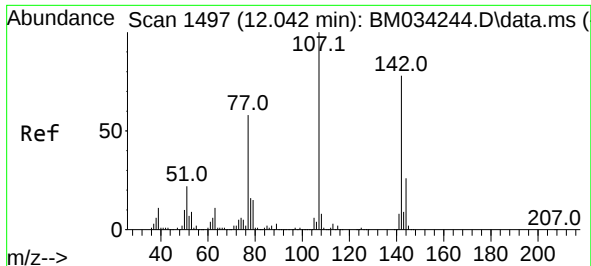
Tgt Ion:225 Resp: 25982
Ion Ratio Lower Upper
225 100
223 66.4 49.0 73.4
227 64.6 50.2 75.2



#35
Caprolactam
Concen: 3.002 ng
RT: 11.666 min Scan# 1433
Delta R.T. -0.035 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:113 Resp: 10445
Ion Ratio Lower Upper
113 100
55 173.7 148.9 188.9
56 116.2 113.3 153.3

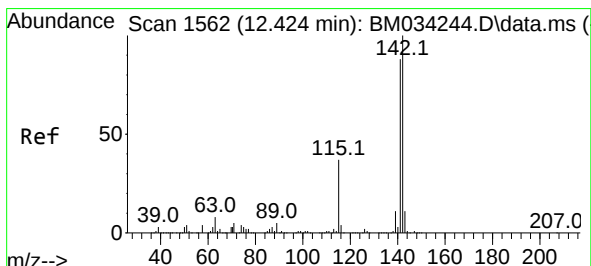
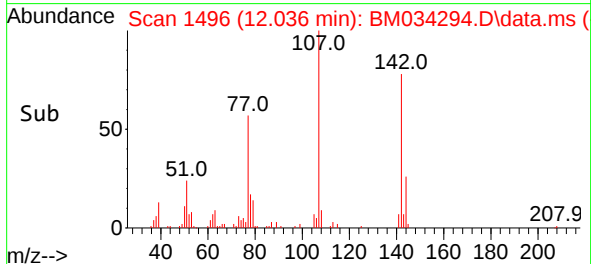
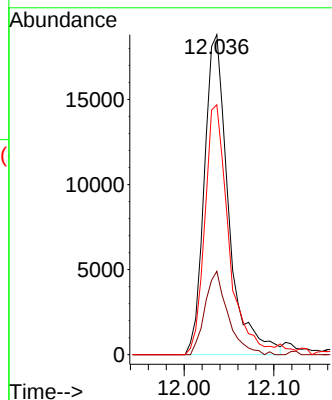
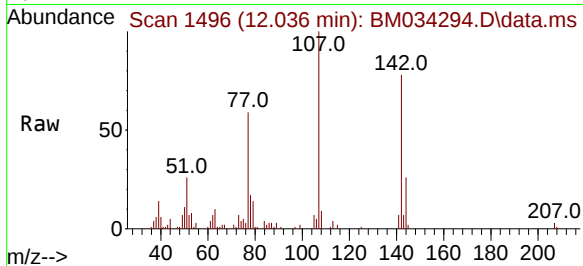




#36
 4-Chloro-3-methylphenol
 Concen: 3.073 ng
 RT: 12.036 min Scan# 1496
 Delta R.T. -0.006 min
 Lab File: BM034294.D
 Acq: 21 Mar 2022 18:53

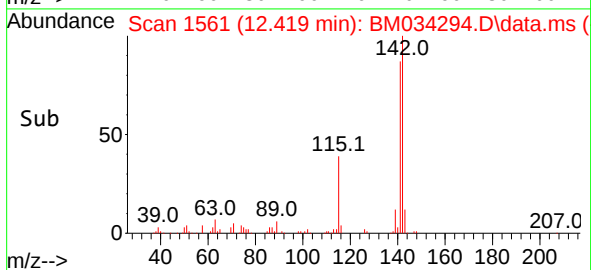
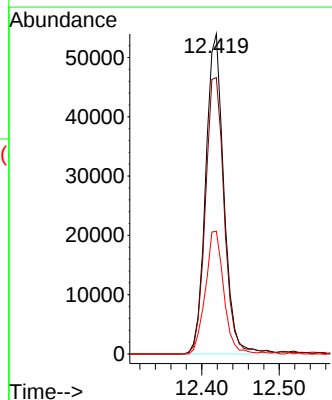
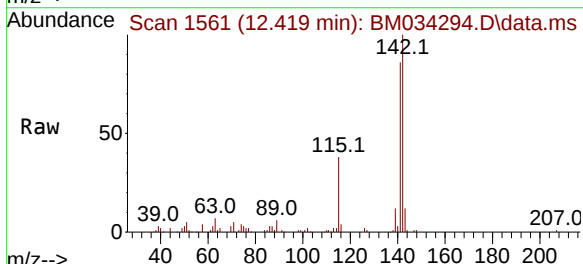
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

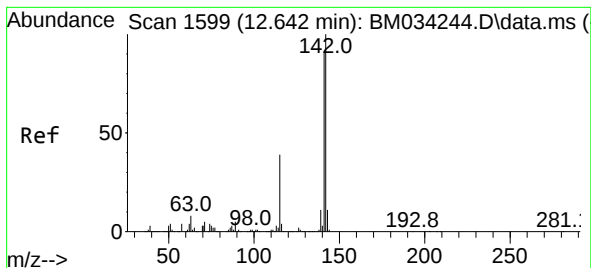
Tgt Ion:107 Resp: 35246
 Ion Ratio Lower Upper
 107 100
 144 26.0 20.8 31.2
 142 78.1 62.7 94.1



#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

Tgt Ion:142 Resp: 88048
 Ion Ratio Lower Upper
 142 100
 141 86.3 70.1 105.1
 115 38.4 29.9 44.9





#38

1-Methylnaphthalene

Concen: 3.801 ng

RT: 12.636 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034294.D

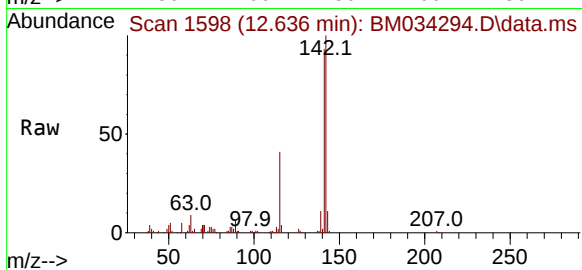
Acq: 21 Mar 2022 18:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



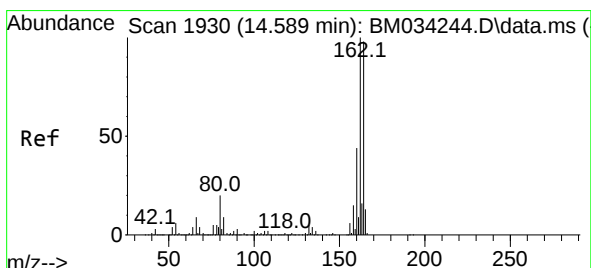
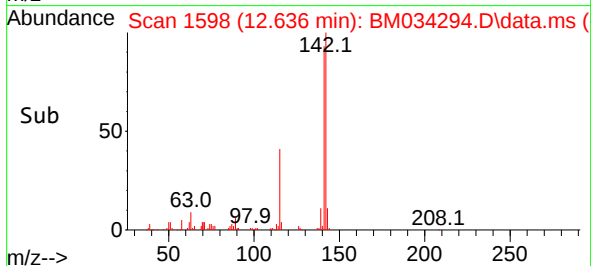
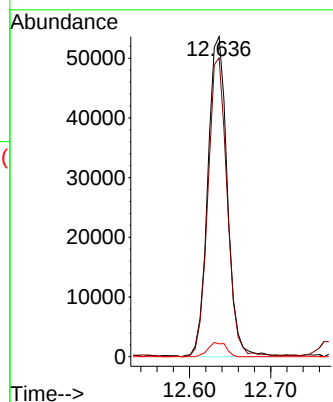
Tgt Ion:142 Resp: 89414

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# 1929

Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

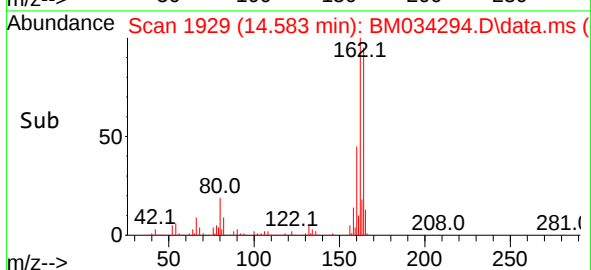
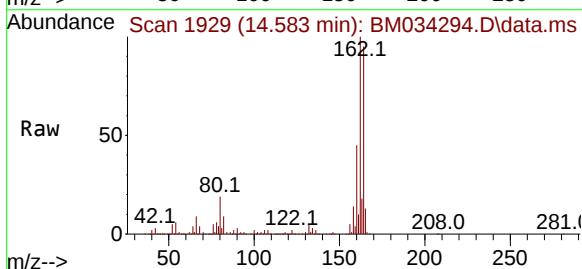
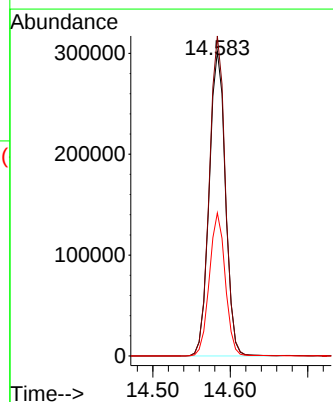
Tgt Ion:164 Resp: 438142

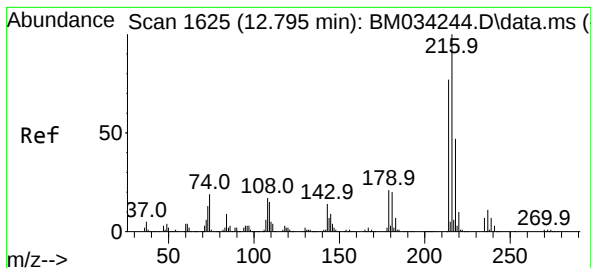
Ion Ratio Lower Upper

164 100

162 105.1 81.6 122.4

160 47.0 35.6 53.4

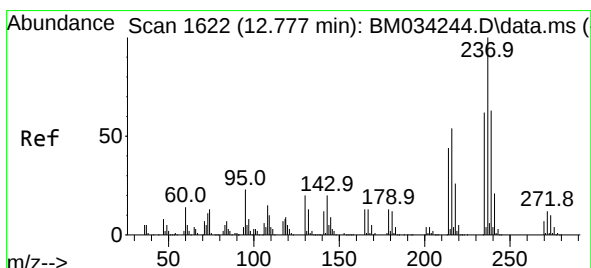
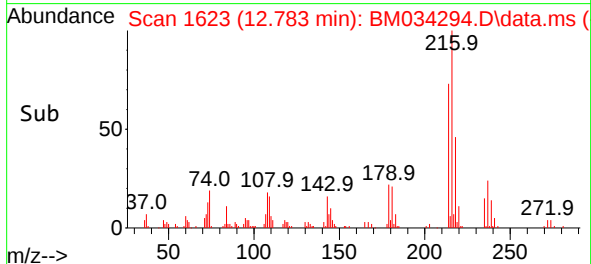
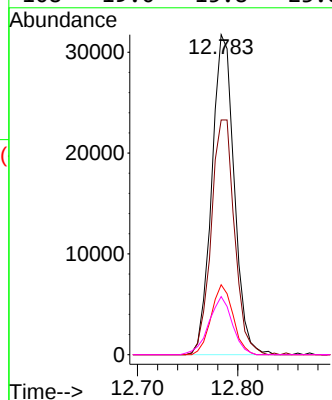
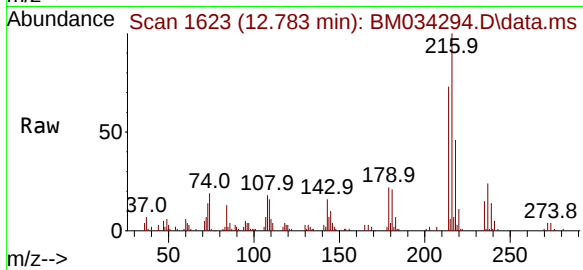




#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.732 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

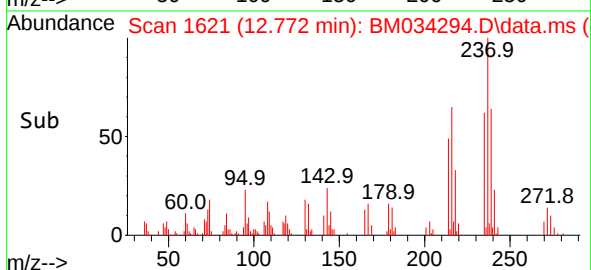
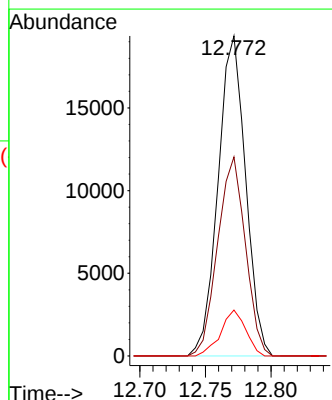
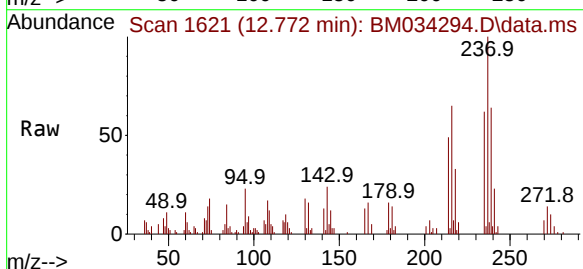
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

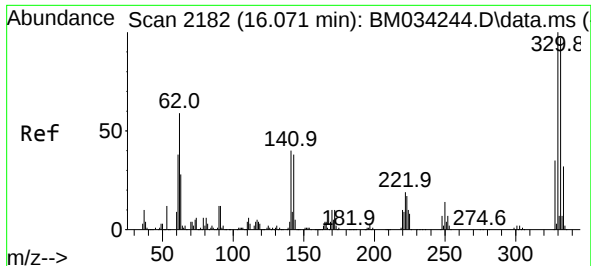
Tgt Ion:216	Resp:	49341
Ion Ratio	Lower	Upper
216	100	
214	76.1	62.7 94.1
179	21.3	17.2 25.8
108	19.0	15.8 23.8



#41
Hexachlorocyclopentadiene
Concen: 3.688 ng
RT: 12.772 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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

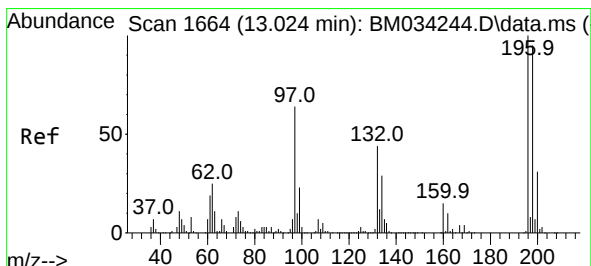
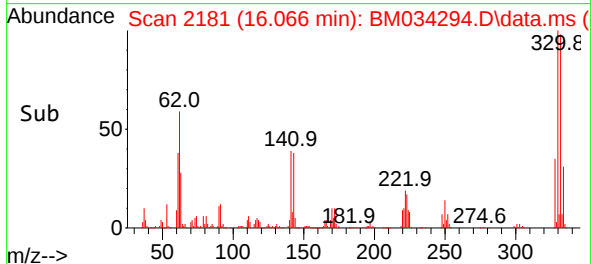
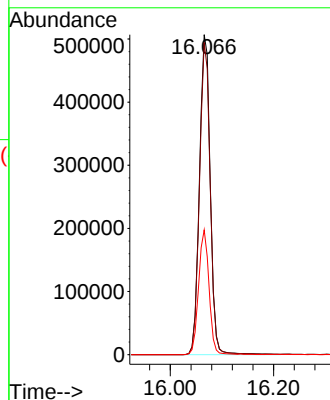
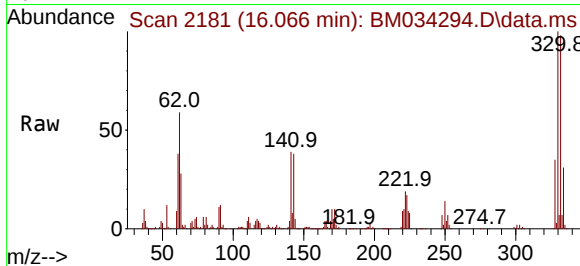




#42
2,4,6-Tribromophenol
Concen: 124.498 ng
RT: 16.066 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

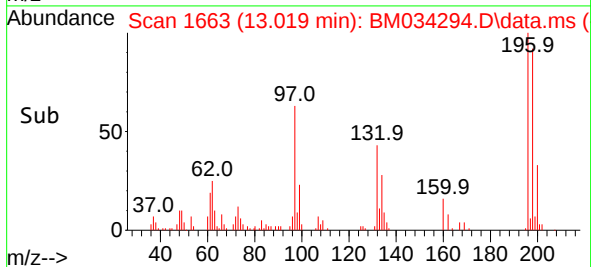
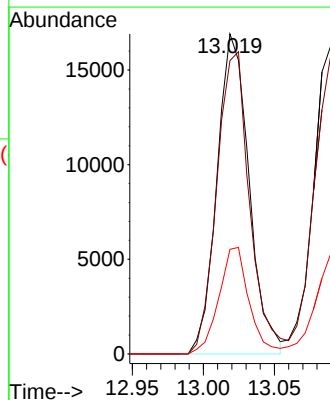
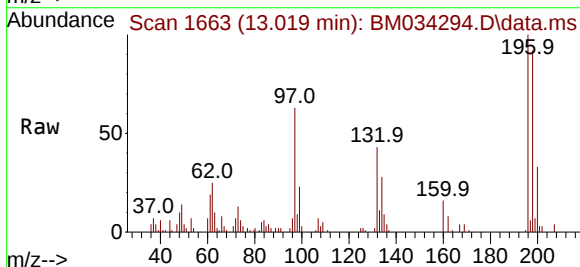
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

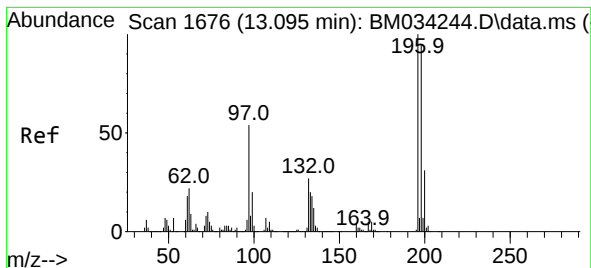
Tgt Ion:330 Resp: 735236
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 37.7 30.6 45.8



#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

Tgt Ion:196 Resp: 26525
Ion Ratio Lower Upper
196 100
198 91.7 76.1 114.1
200 32.7 24.9 37.3





#44

2,4,5-Trichlorophenol

Concen: 2.904 ng

RT: 13.089 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034294.D

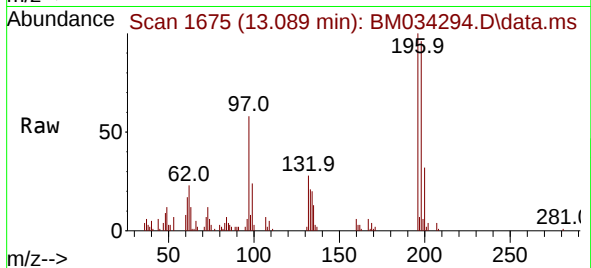
Acq: 21 Mar 2022 18:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:196 Resp: 28459

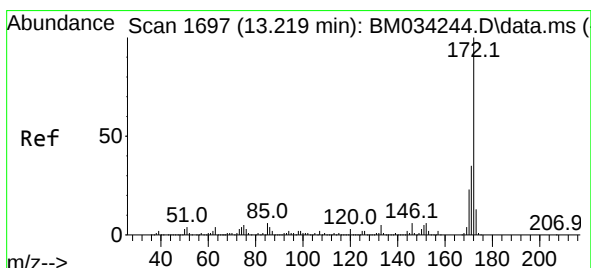
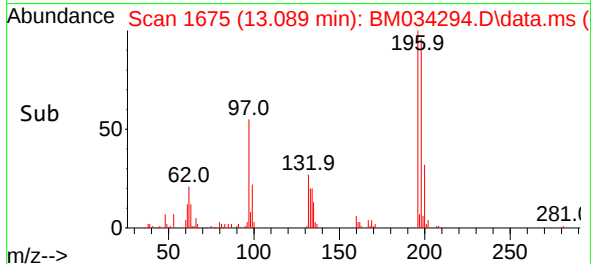
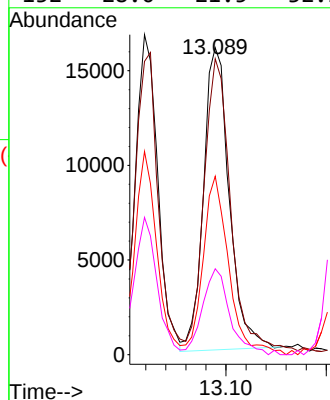
Ion Ratio Lower Upper

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# 1696

Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

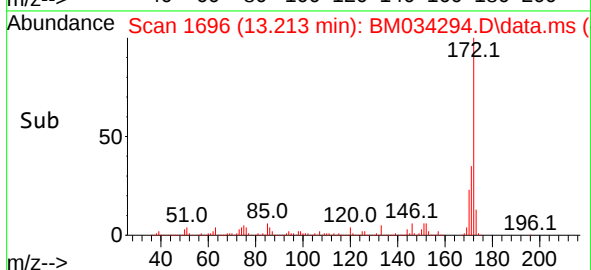
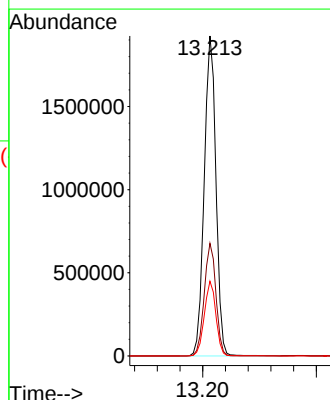
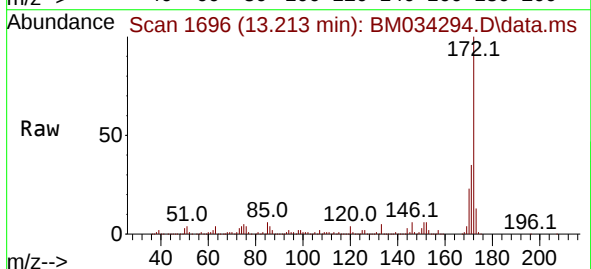
Tgt Ion:172 Resp: 2751562

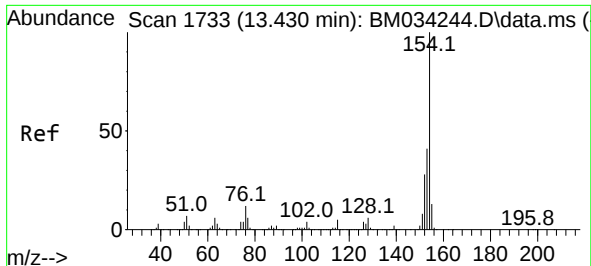
Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 23.4 18.6 28.0

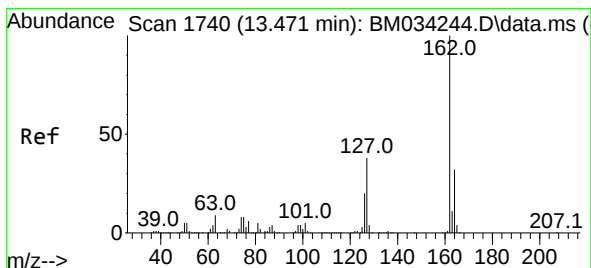
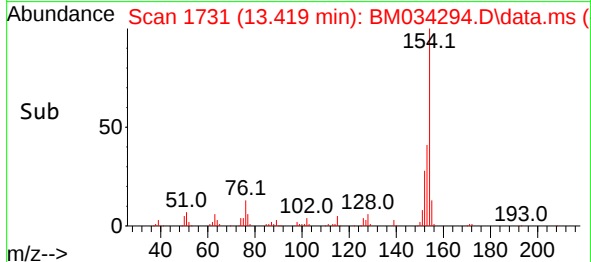
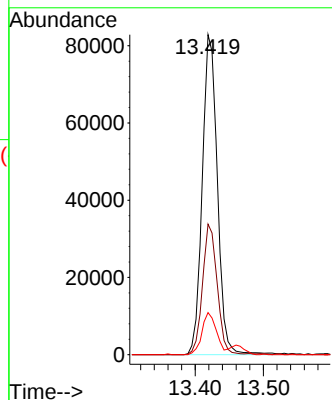
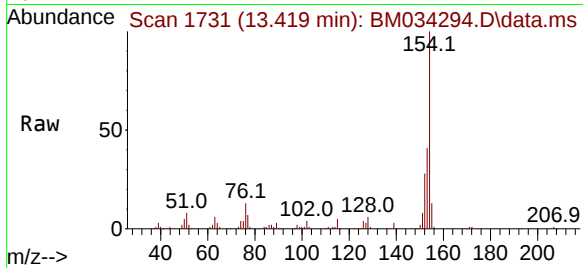




#46
1,1'-Biphenyl
Concen: 3.825 ng
RT: 13.419 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

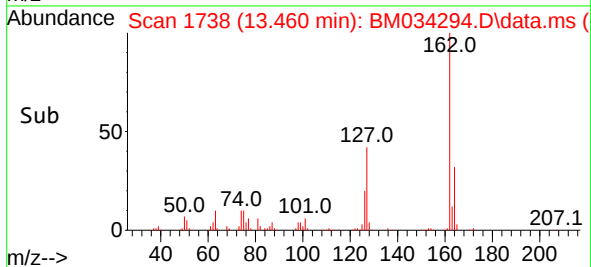
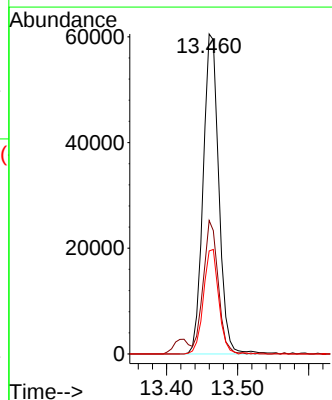
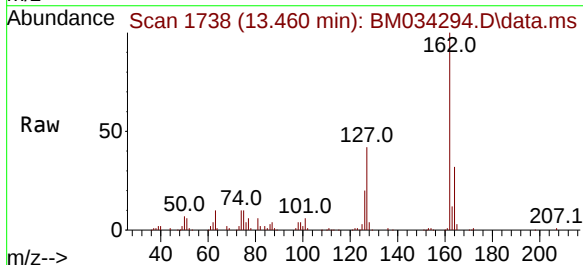
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

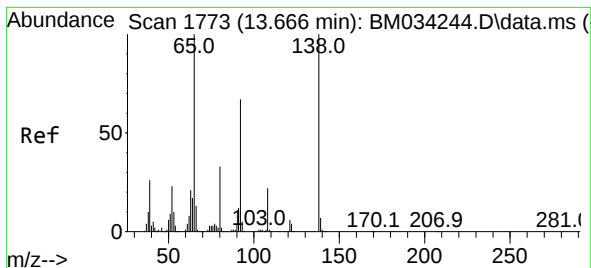
Tgt Ion:154 Resp: 127802
Ion Ratio Lower Upper
154 100
153 40.8 21.0 61.0
76 13.2 0.0 32.1



#47
2-Chloronaphthalene
Concen: 3.635 ng
RT: 13.460 min Scan# 1738
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:162 Resp: 93222
Ion Ratio Lower Upper
162 100
127 41.7 30.4 45.6
164 32.2 25.8 38.8





#48

2-Nitroaniline

Concen: 2.731 ng

RT: 13.660 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

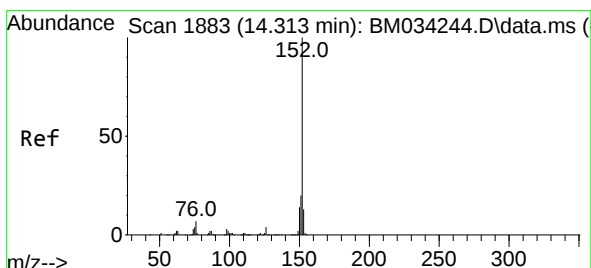
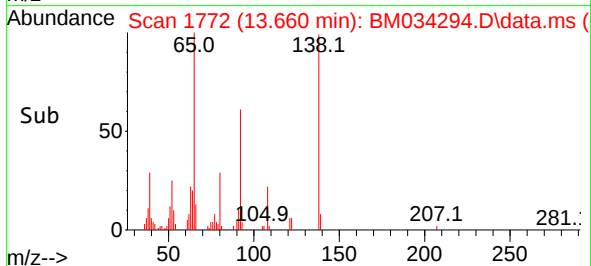
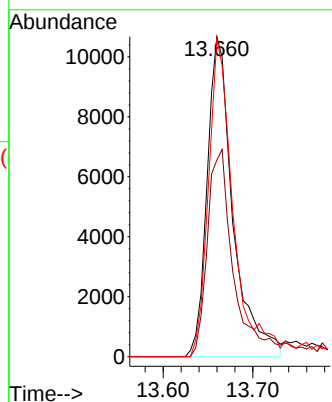
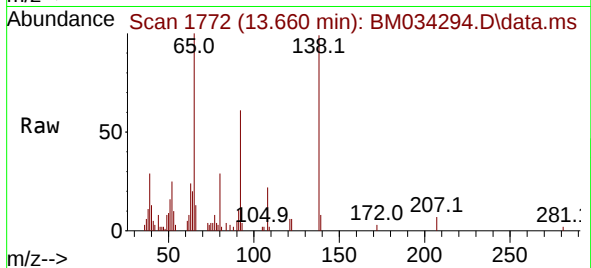
Tgt Ion: 65 Resp: 21409

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

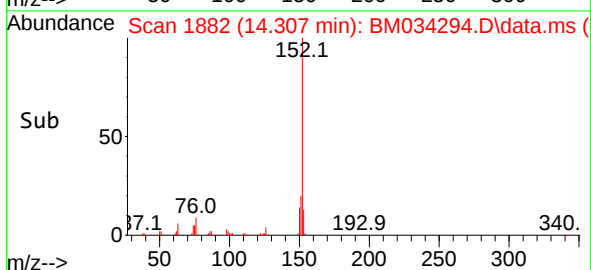
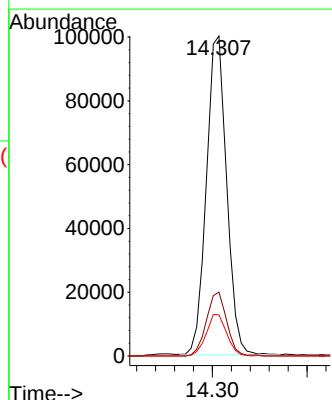
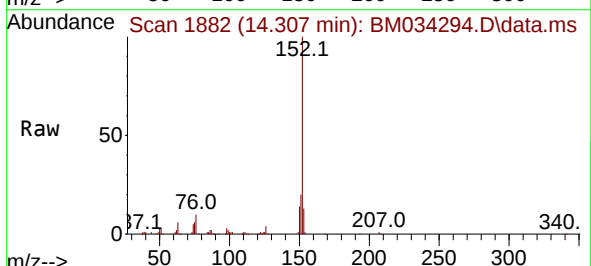
Tgt Ion:152 Resp: 148745

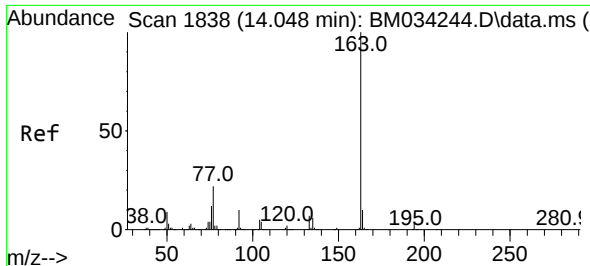
Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 12.9 10.6 16.0

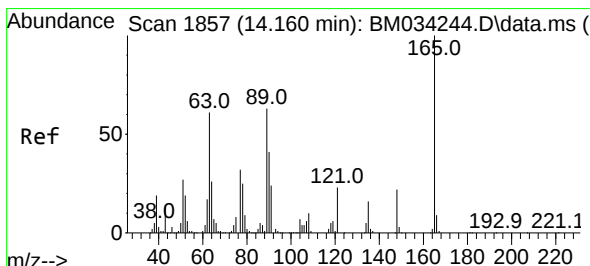
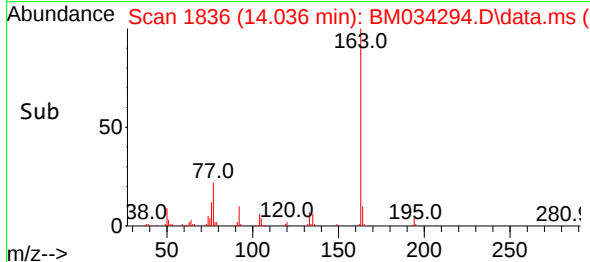
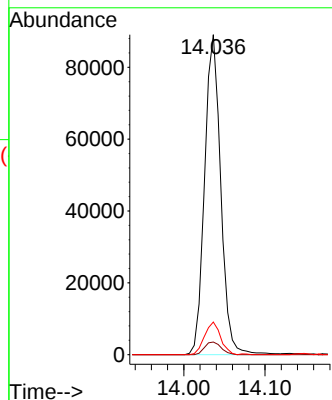
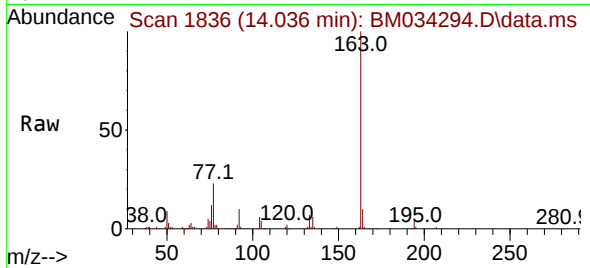




#50
Dimethylphthalate
Concen: 3.687 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

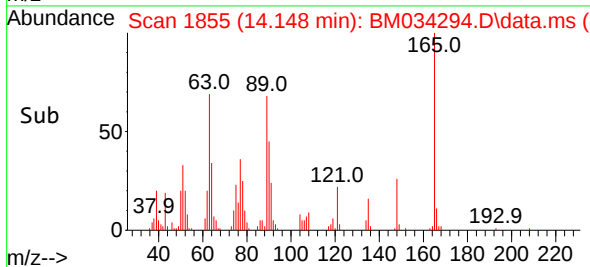
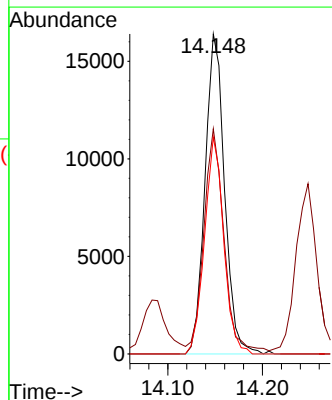
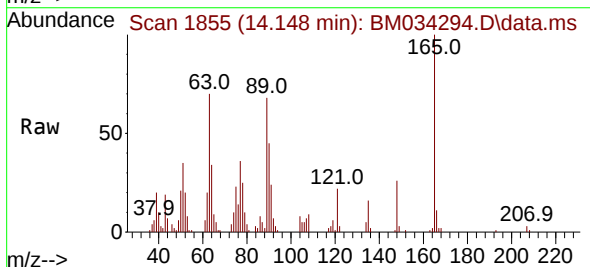
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

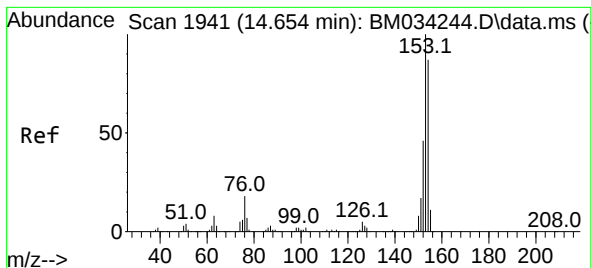
Tgt Ion:163 Resp: 122953
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.2 8.1 12.1



#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

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





#52

Acenaphthene

Concen: 3.563 ng

RT: 14.648 min Scan# 1941

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

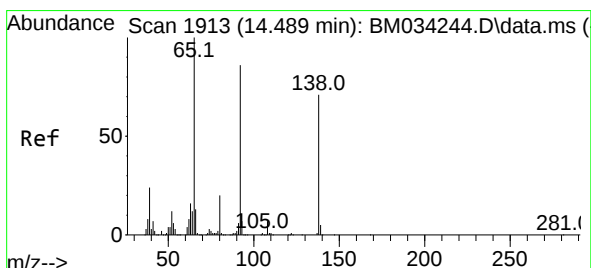
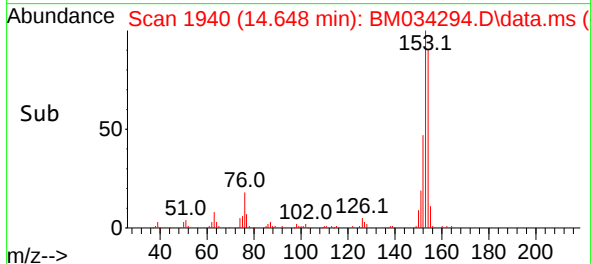
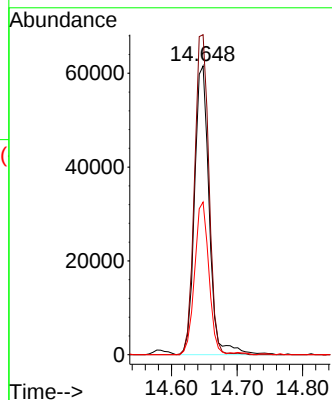
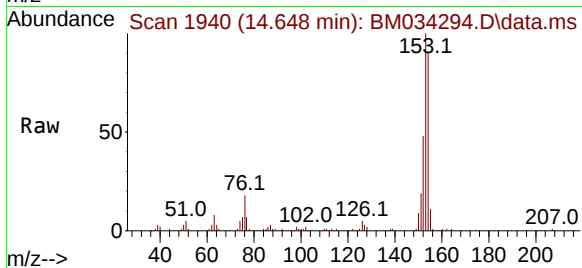
Tgt Ion:154 Resp: 95912

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# 1912

Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

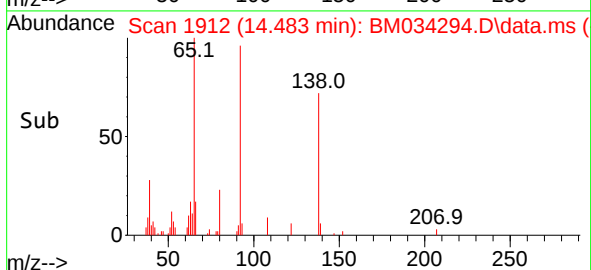
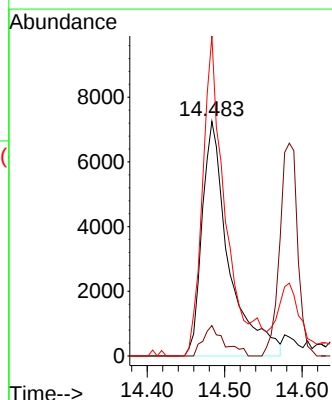
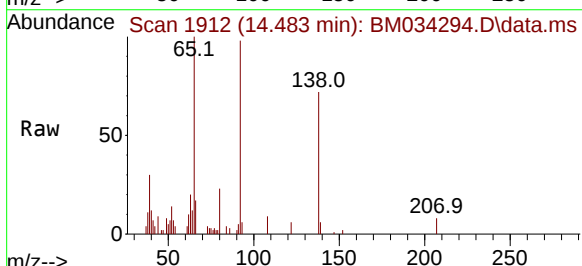
Tgt Ion:138 Resp: 17331

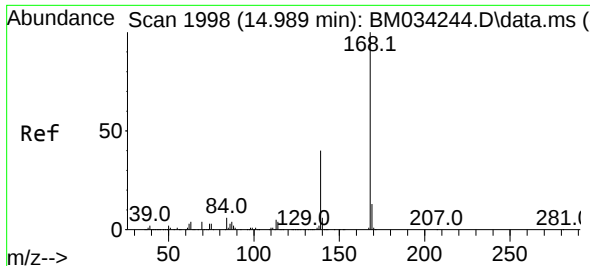
Ion Ratio Lower Upper

138 100

108 12.9 8.3 12.5#

92 136.4 97.6 146.4

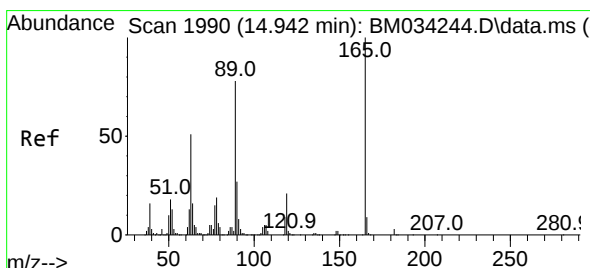
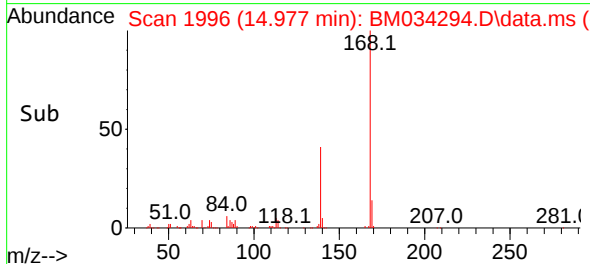
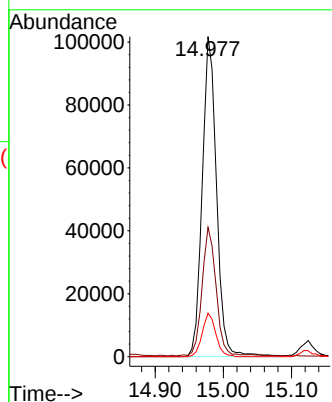
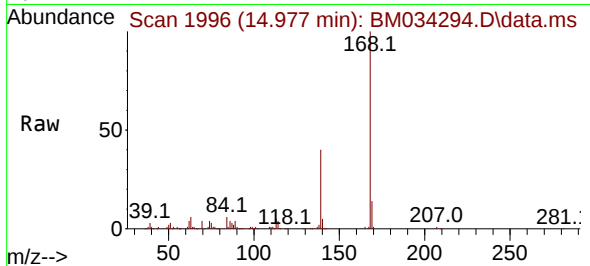




#55
Dibenzenofuran
Concen: 3.707 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

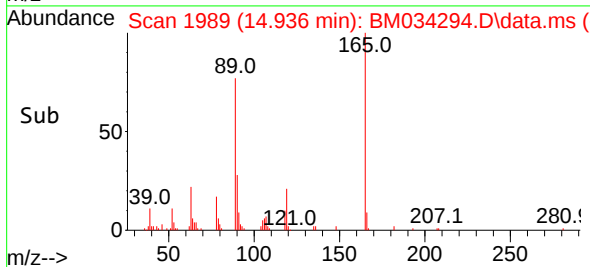
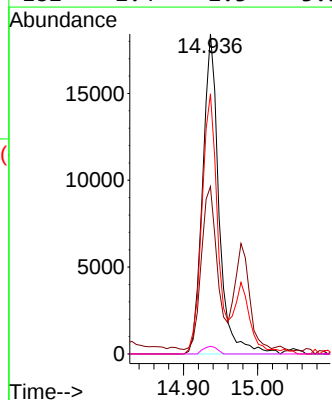
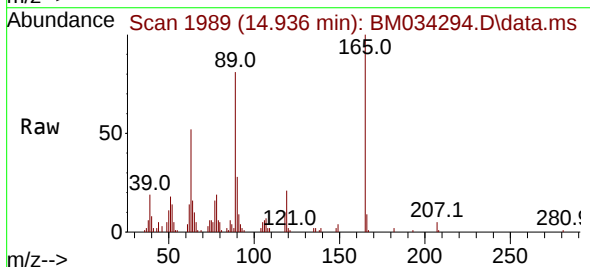
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

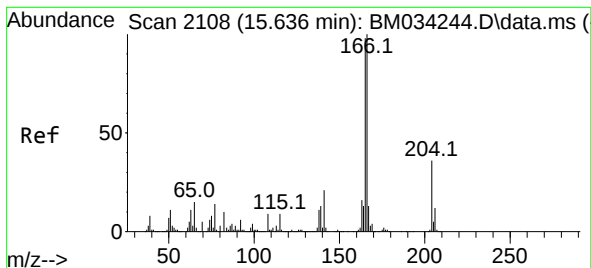
Tgt Ion:168 Resp: 148716
Ion Ratio Lower Upper
168 100
139 40.4 32.4 48.6
169 13.6 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 3.059 ng
RT: 14.936 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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





#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

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

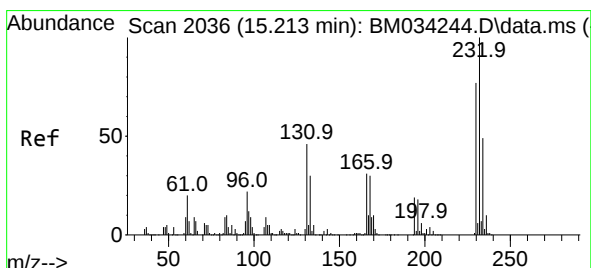
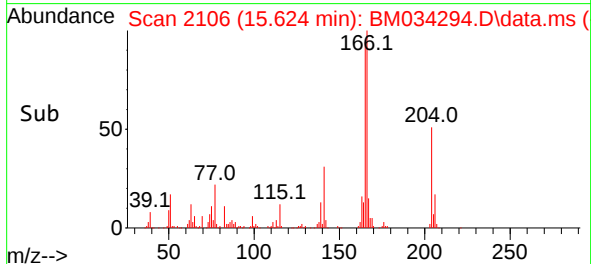
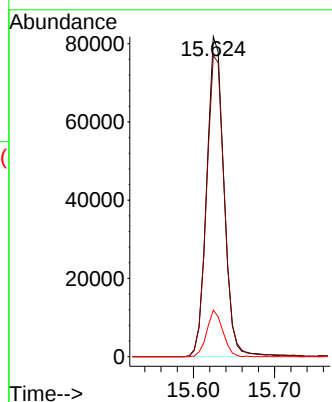
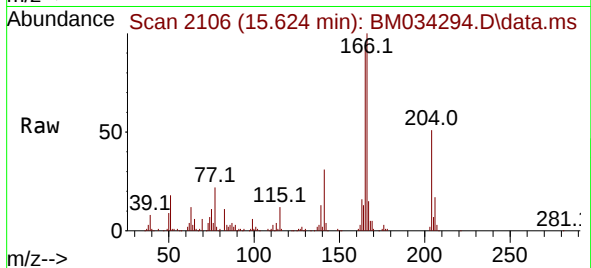
Tgt Ion:166 Resp: 120384

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

Tgt Ion:232 Resp: 28763

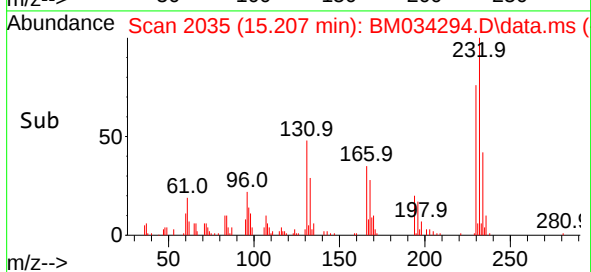
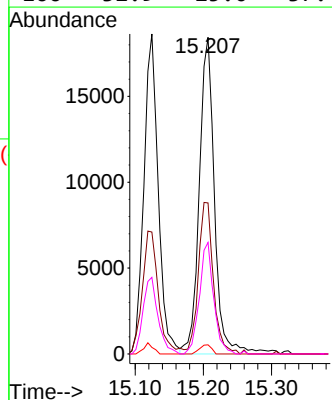
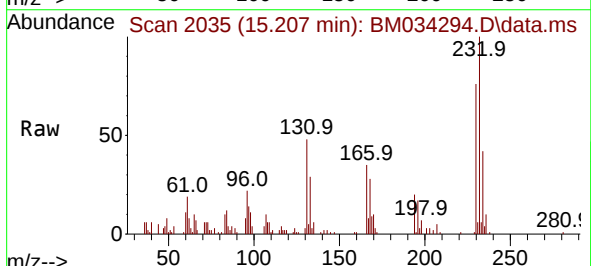
Ion Ratio Lower Upper

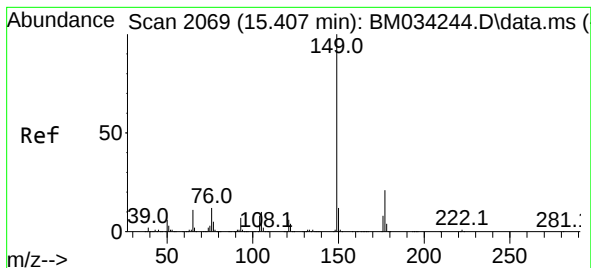
232 100

131 47.2 38.0 57.0

130 2.2 2.2 3.2

166 32.9 25.0 37.4





#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

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

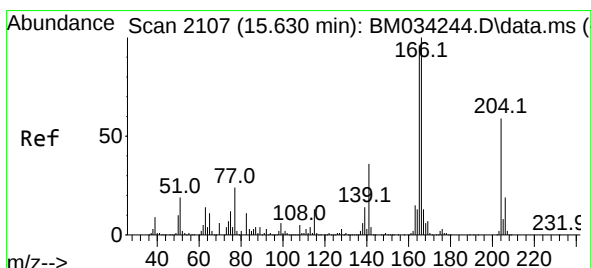
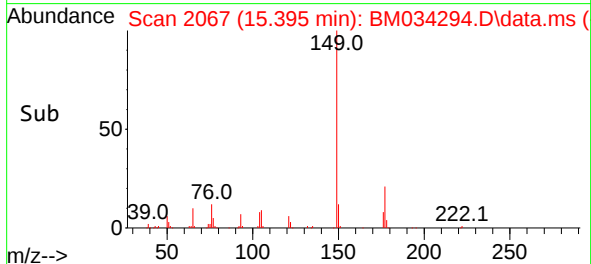
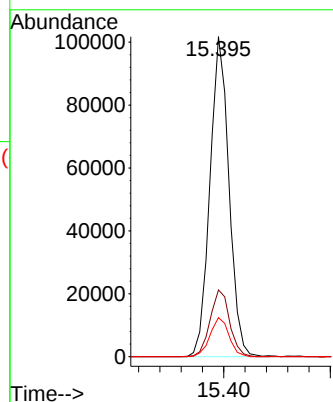
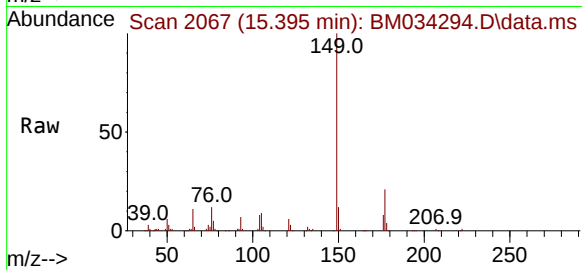
Tgt Ion:149 Resp: 126160

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

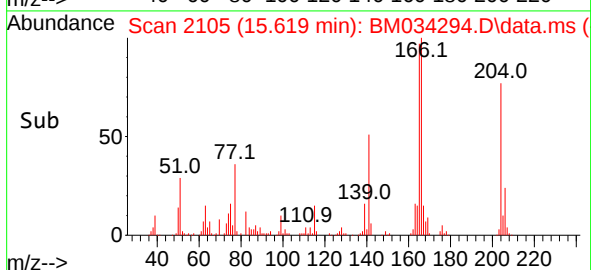
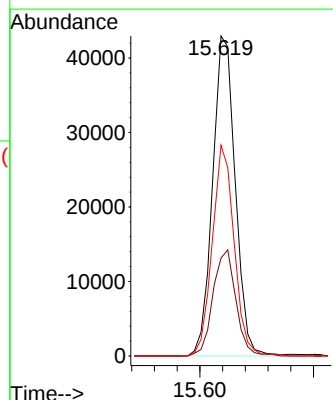
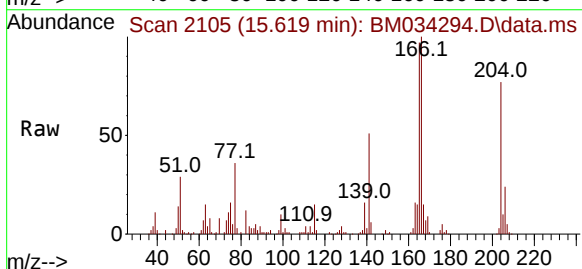
Tgt Ion:204 Resp: 59499

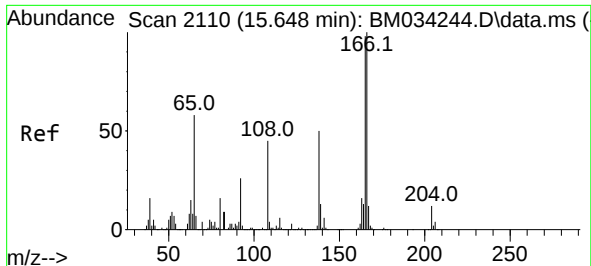
Ion Ratio Lower Upper

204 100

206 30.6 26.4 39.6

141 65.9 49.4 74.2

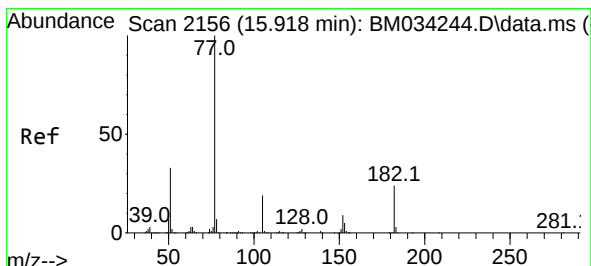
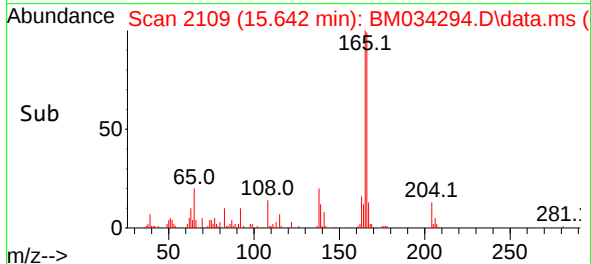
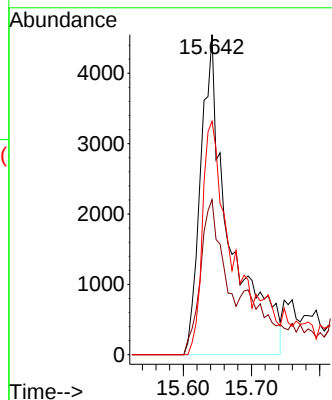
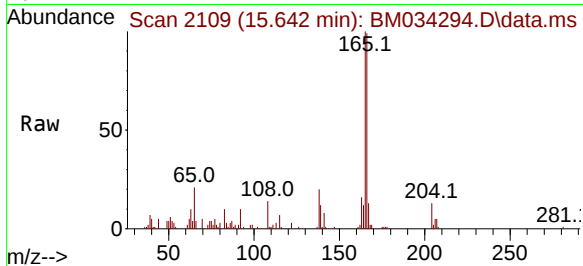




#62
4-Nitroaniline
Concen: 2.034 ng
RT: 15.642 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

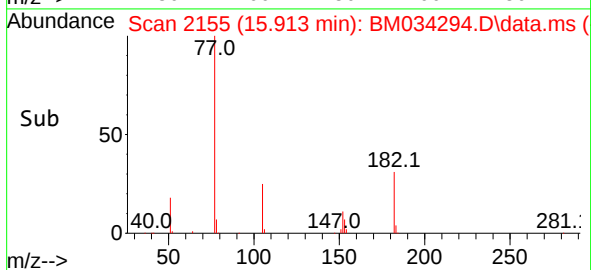
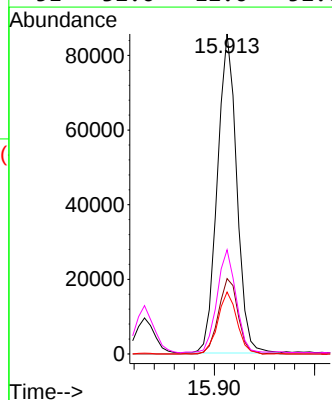
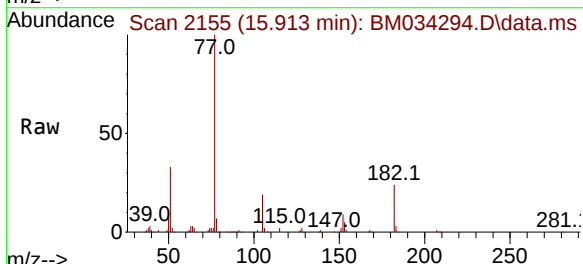
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

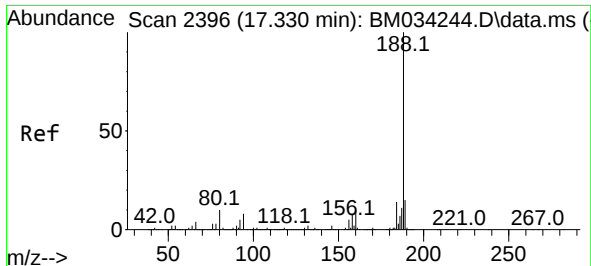
Tgt Ion:138	Resp:	13424
Ion Ratio	Lower	Upper
138	100	
92	48.5	32.6 72.6
108	73.0	69.8 109.8



#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

Tgt Ion: 77	Resp:	114246
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

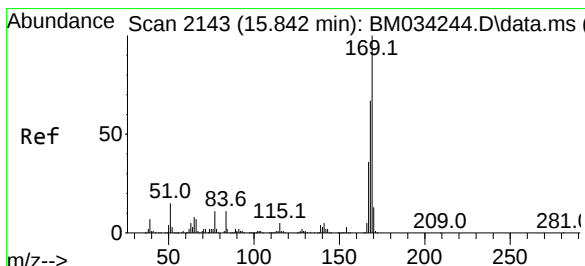
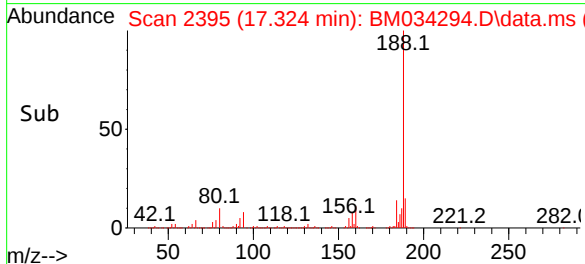
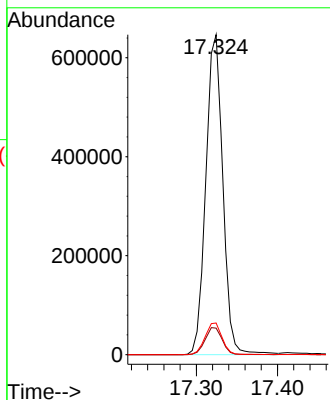
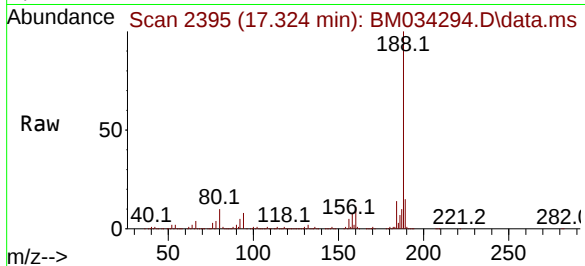




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

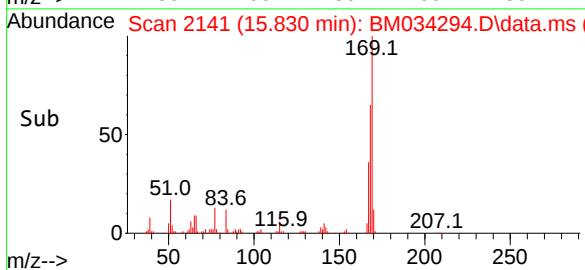
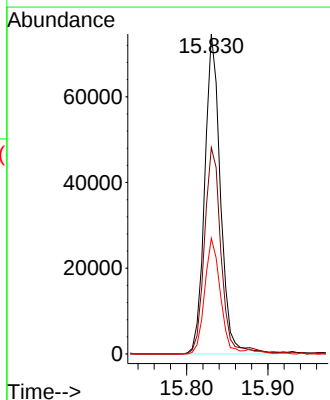
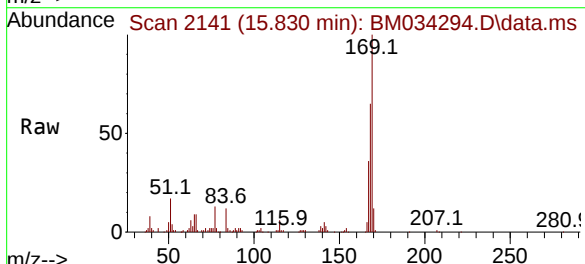
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

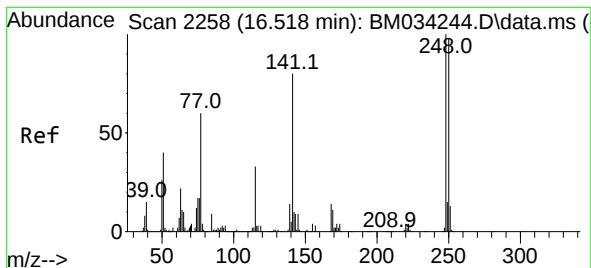
Tgt Ion:188 Resp: 940041
Ion Ratio Lower Upper
188 100
94 8.3 6.6 9.8
80 9.9 7.8 11.8



#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

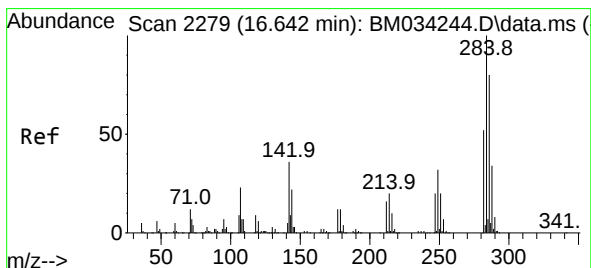
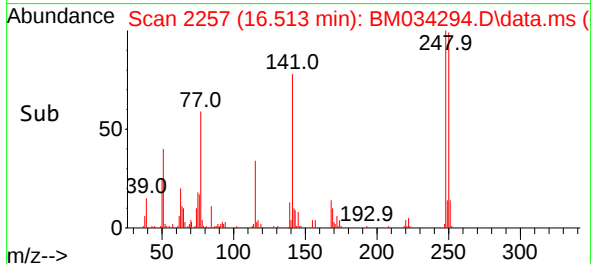
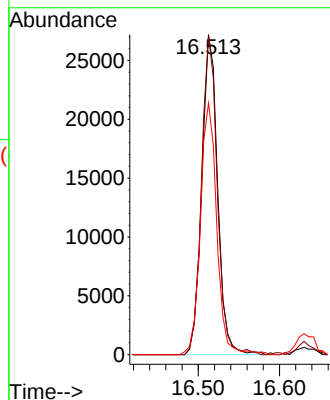
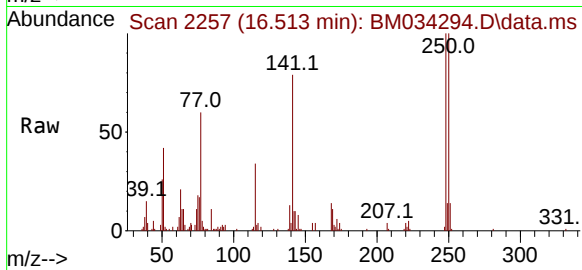




#67
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 16.513 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

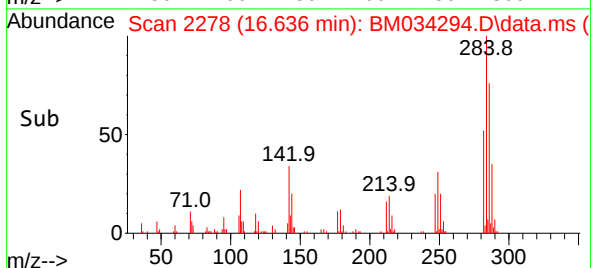
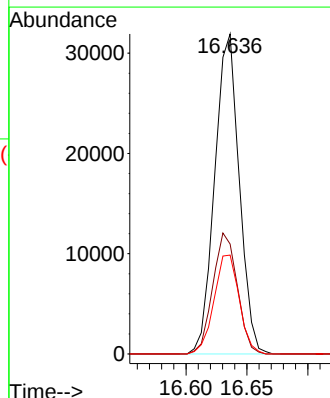
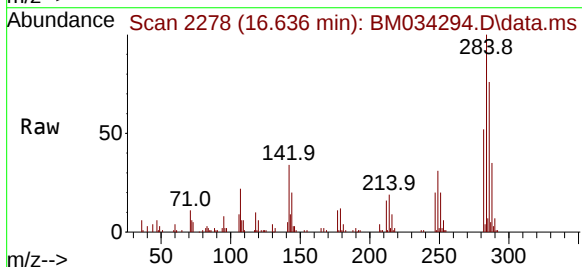
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

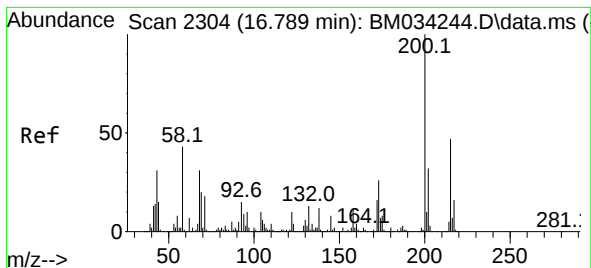
Tgt Ion:248 Resp: 36920
Ion Ratio Lower Upper
248 100
250 99.9 78.0 117.0
141 78.7 63.8 95.6



#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

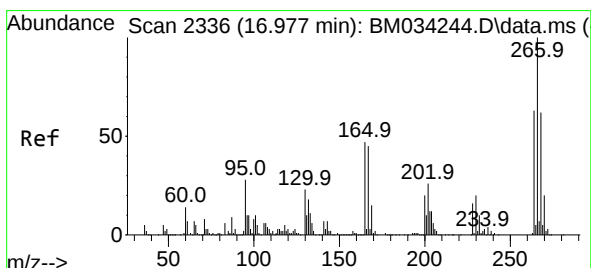
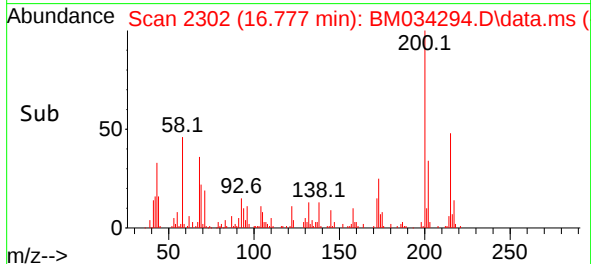
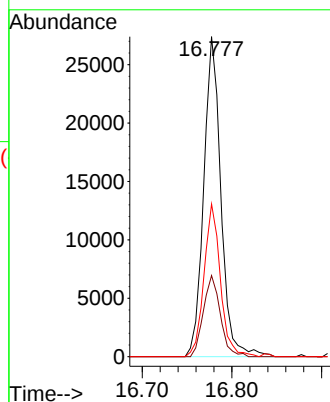
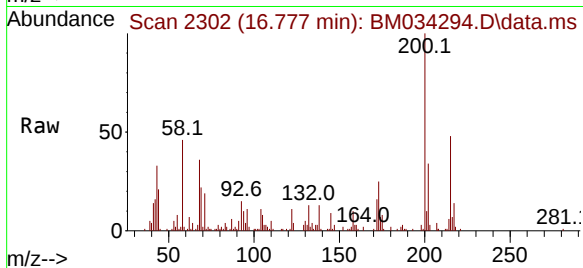
Tgt Ion:200 Resp: 36516

Ion Ratio Lower Upper

200 100

173 25.4 6.1 46.1

215 47.7 27.4 67.4



#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

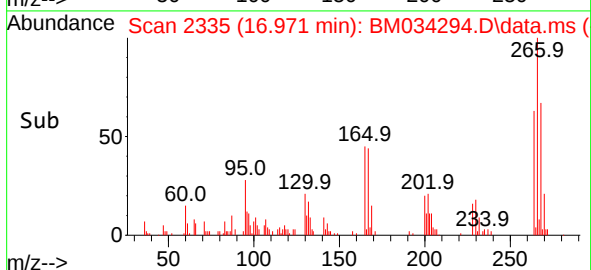
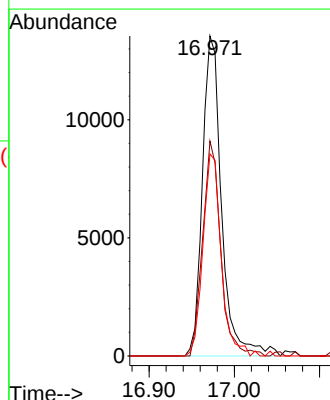
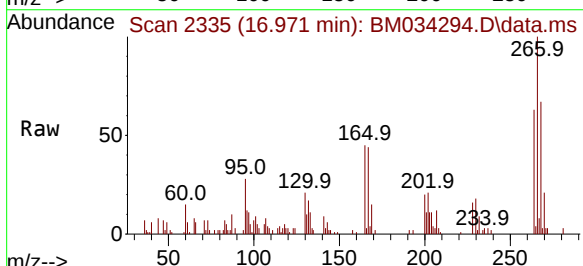
Tgt Ion:266 Resp: 21205

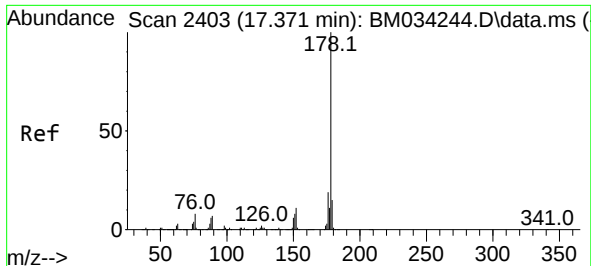
Ion Ratio Lower Upper

266 100

268 67.2 49.8 74.8

264 63.1 50.3 75.5

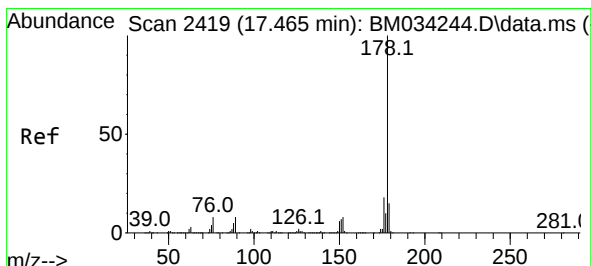
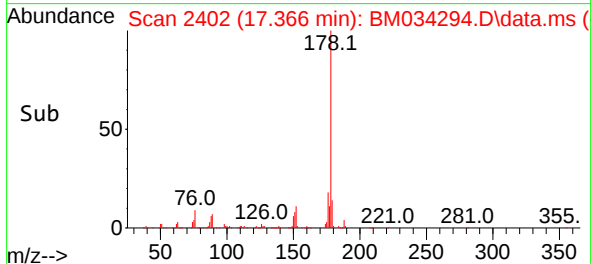
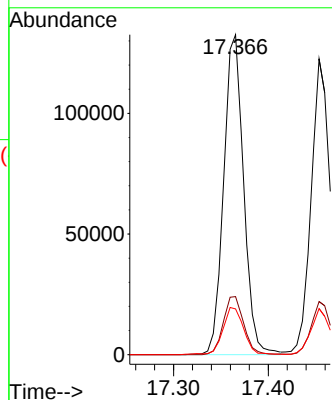
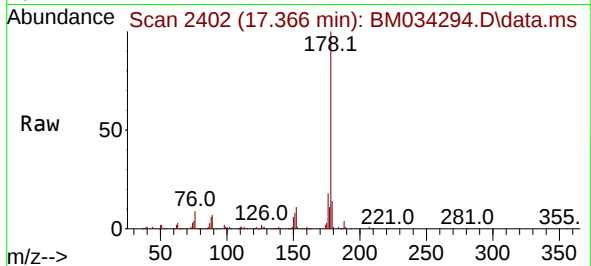




#71
Phenanthrene
Concen: 3.689 ng
RT: 17.366 min Scan# 241
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

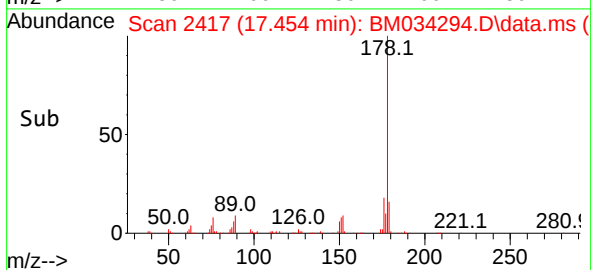
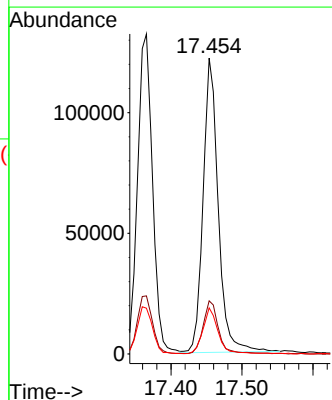
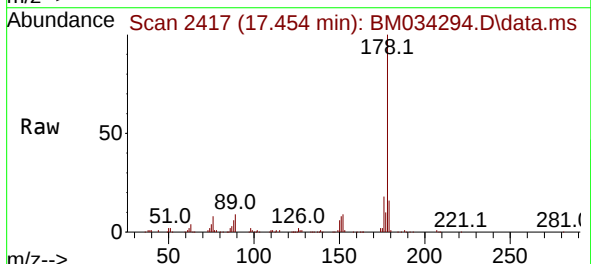
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

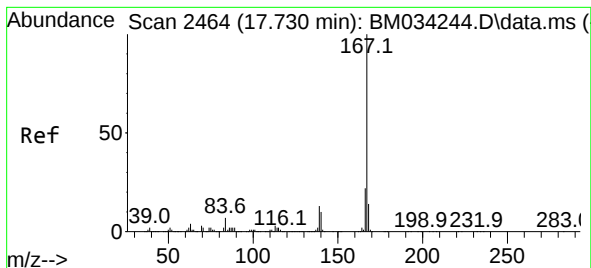
Tgt Ion:178 Resp: 194185
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 14.3 12.2 18.4



#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# 24

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

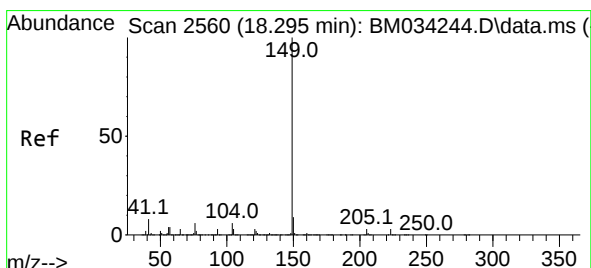
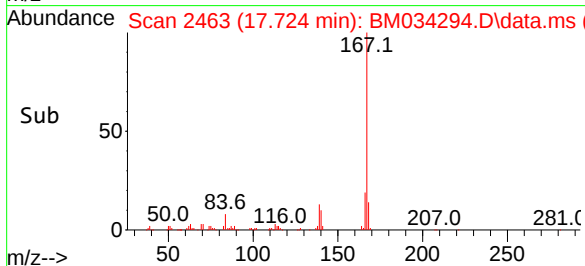
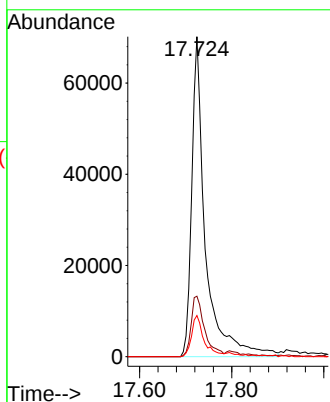
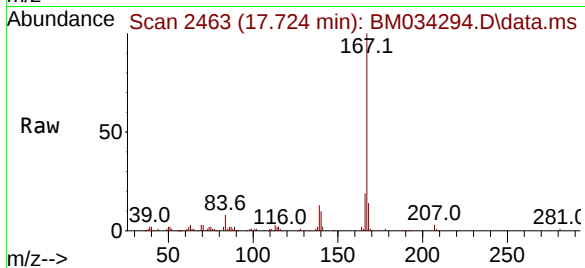
Tgt Ion:167 Resp: 144286

Ion Ratio Lower Upper

167 100

166 18.9 17.4 26.2

139 12.9 10.4 15.6



#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

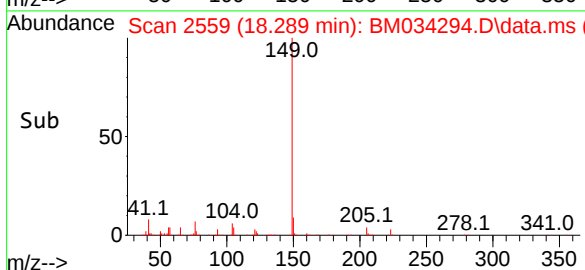
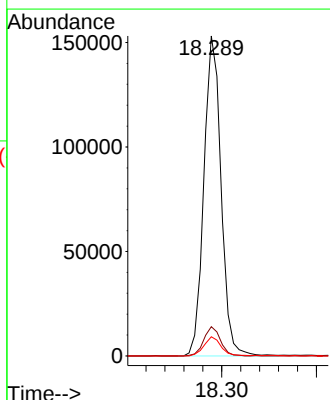
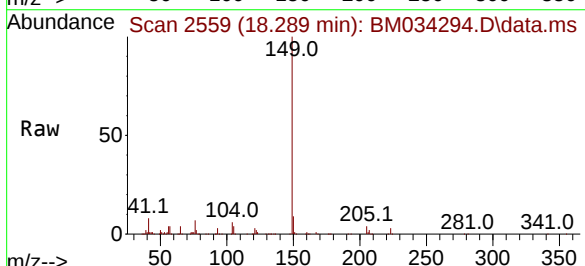
Tgt Ion:149 Resp: 192879

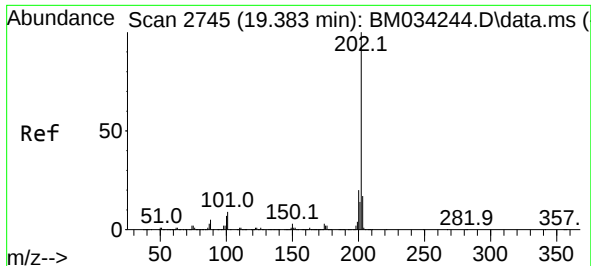
Ion Ratio Lower Upper

149 100

150 9.1 7.6 11.4

104 6.0 4.7 7.1

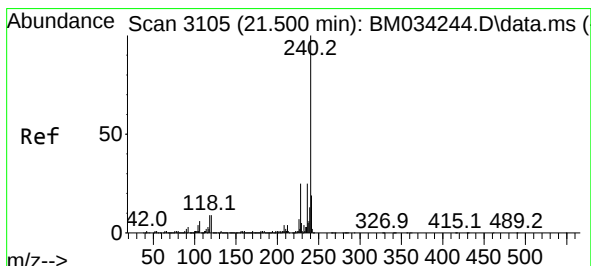
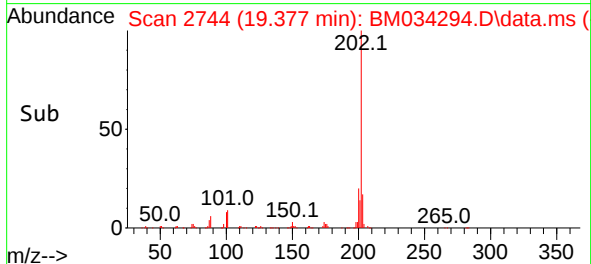
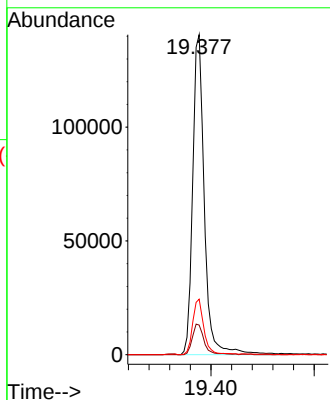
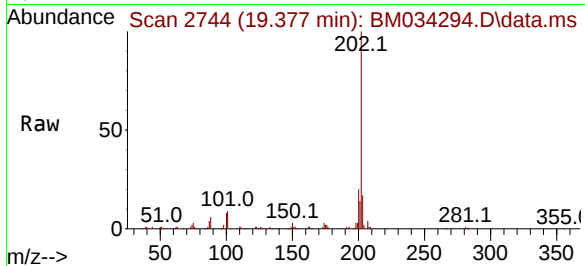




#75
Fluoranthene
Concen: 3.741 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

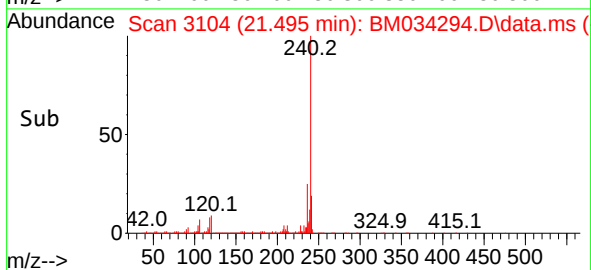
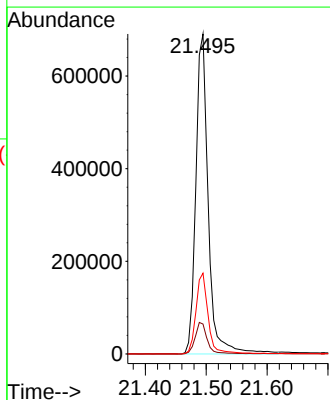
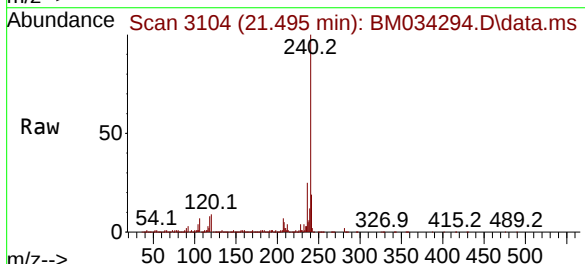
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

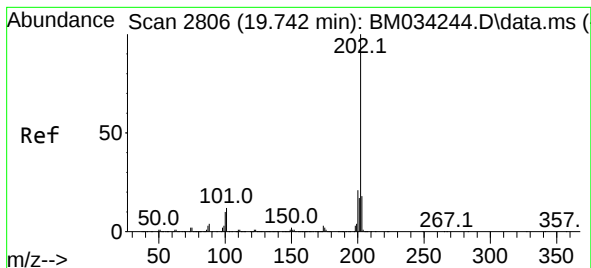
Tgt Ion:202 Resp: 220750
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.4
203 17.4 0.0 37.1



#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





#78

Pyrene

Concen: 3.363 ng

RT: 19.736 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

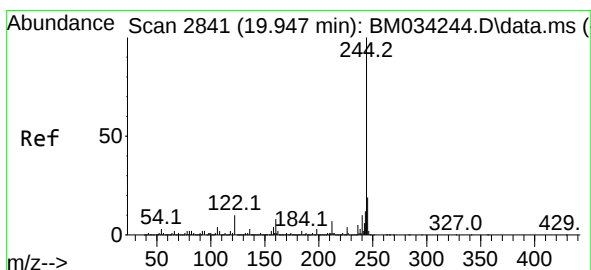
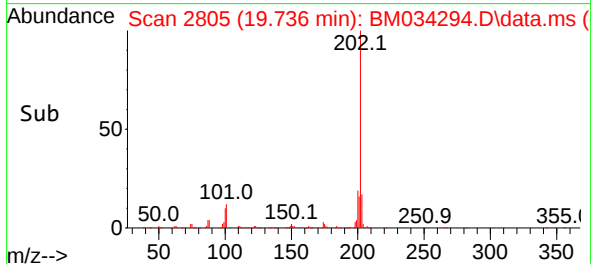
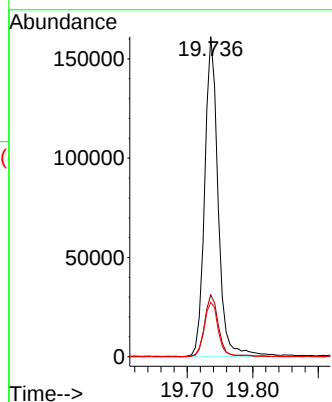
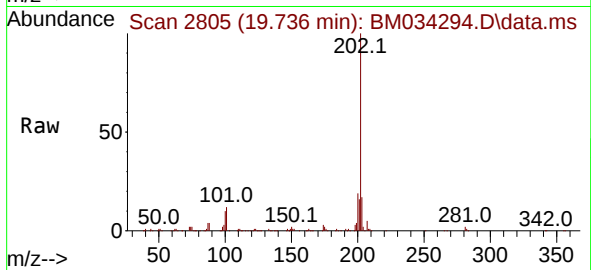
Tgt Ion:202 Resp: 231483

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# 2840

Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

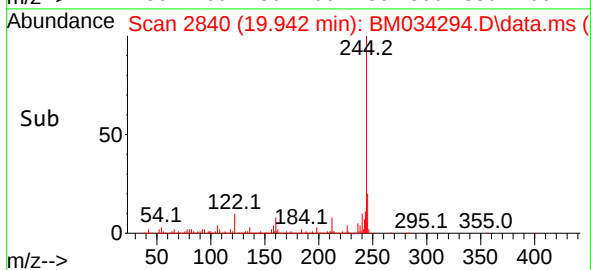
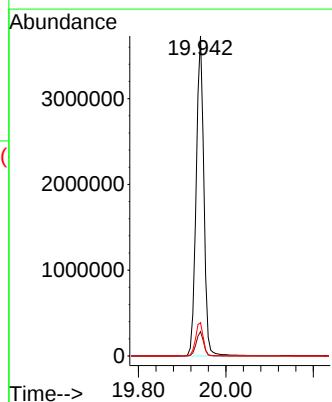
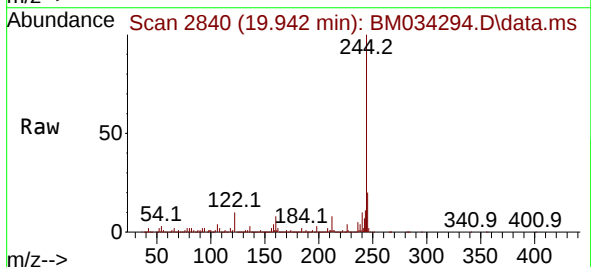
Tgt Ion:244 Resp: 4567255

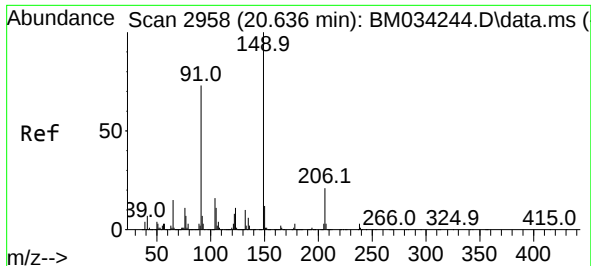
Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 10.4 7.8 11.8

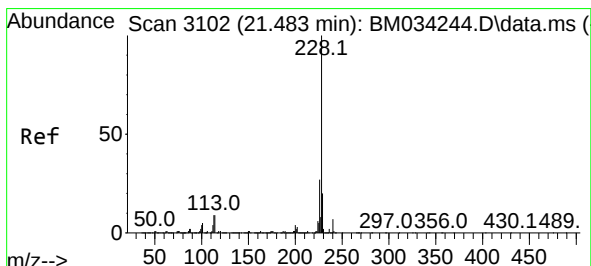
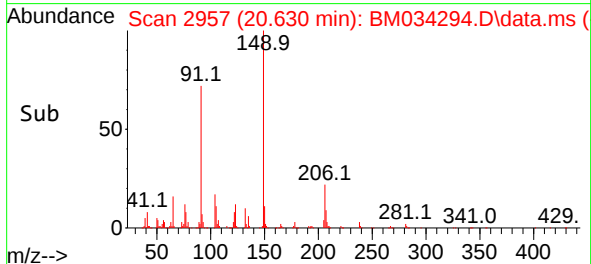
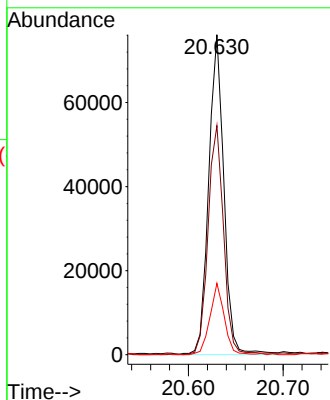
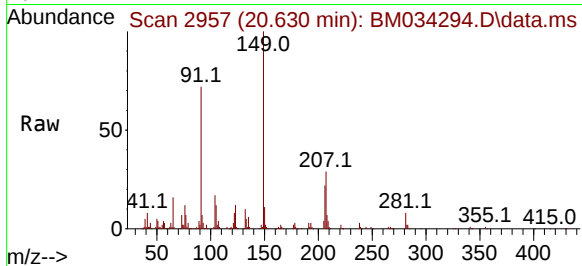




#80
Butylbenzylphthalate
Concen: 2.920 ng
RT: 20.630 min Scan# 2958
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

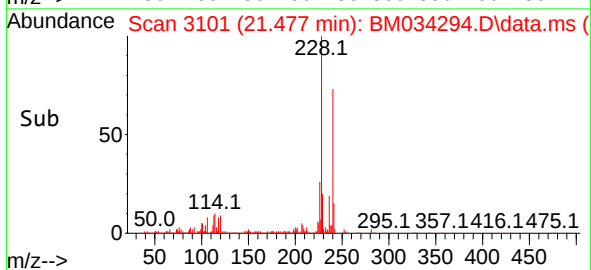
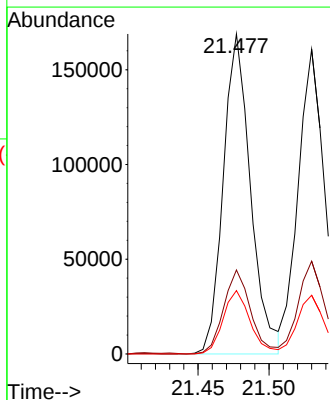
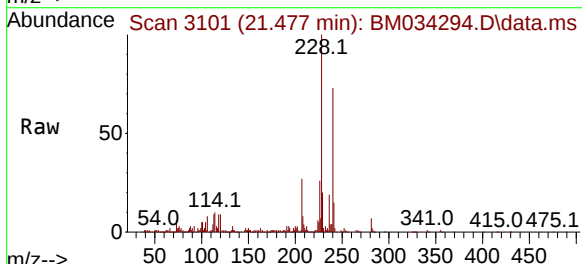
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

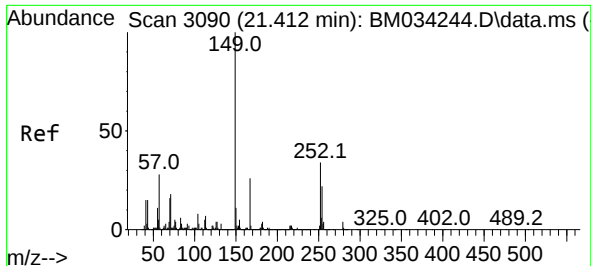
Tgt Ion:149 Resp: 84987
Ion Ratio Lower Upper
149 100
91 71.6 58.5 87.7
206 22.3 16.9 25.3



#81
Benzo(a)anthracene
Concen: 3.658 ng
RT: 21.477 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:228 Resp: 225522
Ion Ratio Lower Upper
228 100
226 26.2 21.6 32.4
229 19.8 15.8 23.6

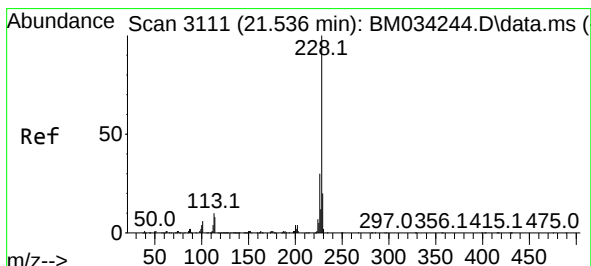
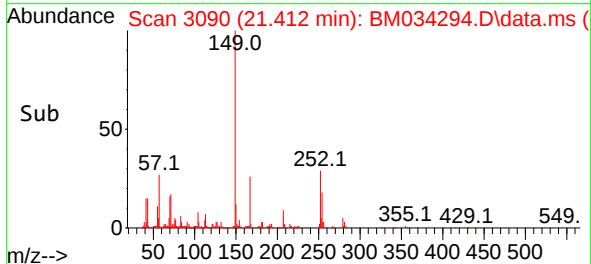
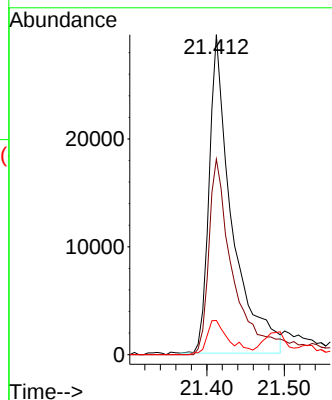
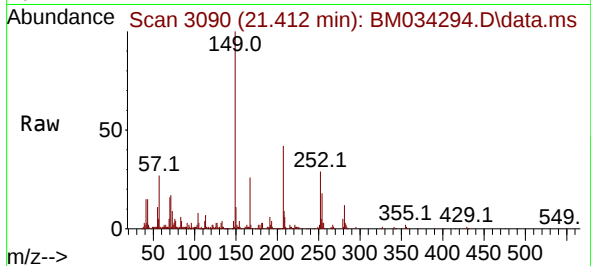




#82
3,3'-Dichlorobenzidine
Concen: 2.920 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

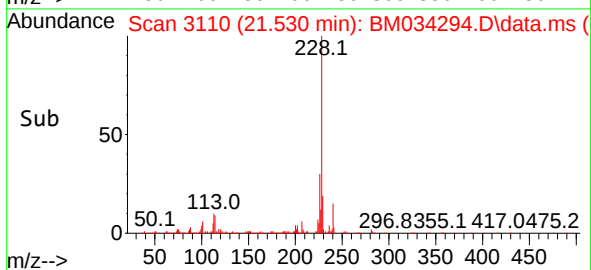
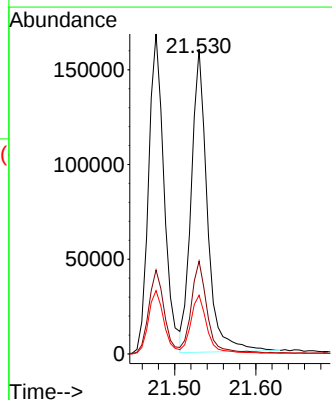
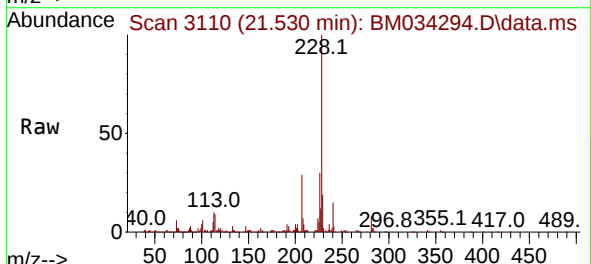
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

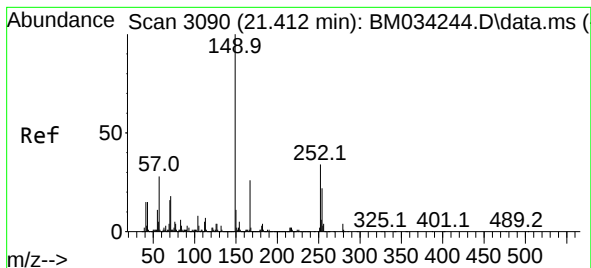
Tgt Ion:252 Resp: 60136
Ion Ratio Lower Upper
252 100
254 61.1 50.9 76.3
126 10.7 8.6 12.8



#83
Chrysene
Concen: 3.512 ng
RT: 21.530 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.999 ng

RT: 21.406 min Scan# 3090

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

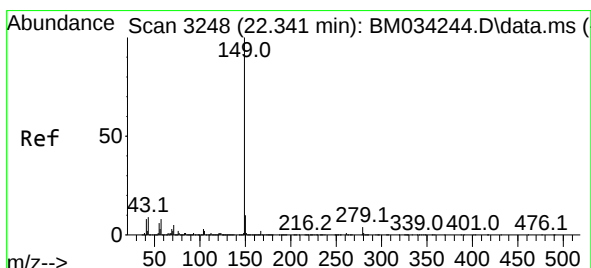
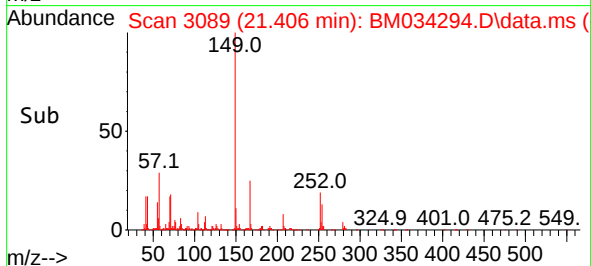
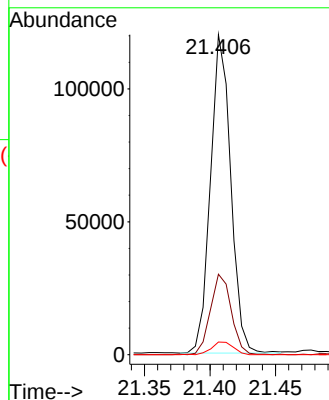
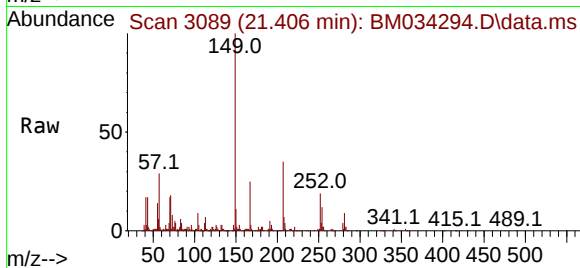
Tgt Ion:149 Resp: 128902

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# 3247

Delta R.T. -0.006 min

Lab File: BM034294.D

Acq: 21 Mar 2022 18:53

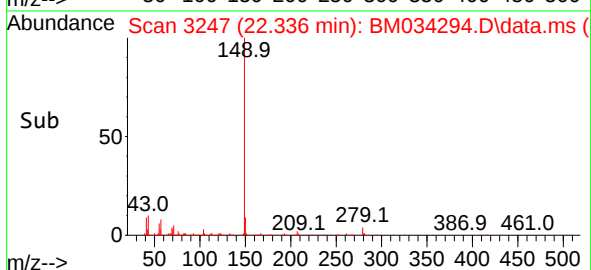
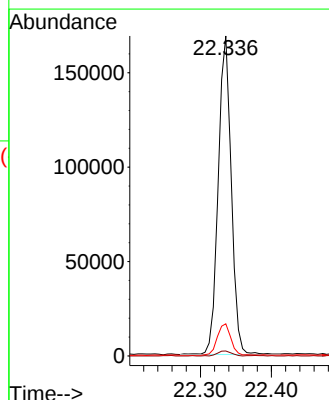
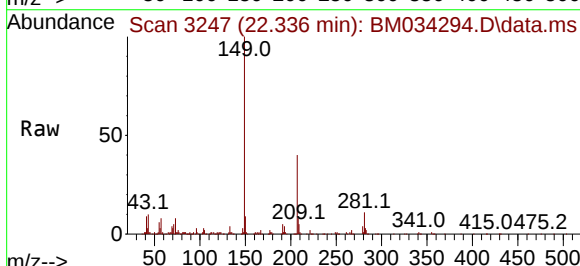
Tgt Ion:149 Resp: 214330

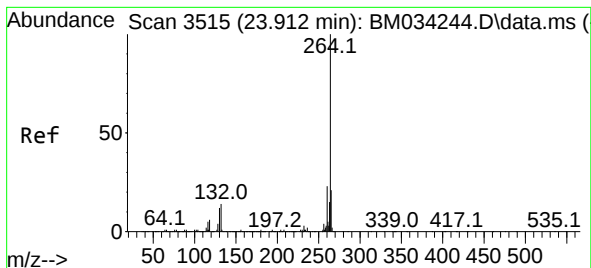
Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 10.3 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.906 min Scan# 3

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

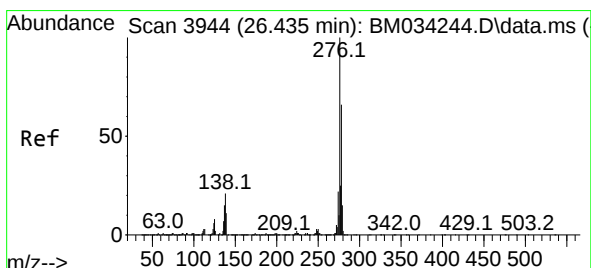
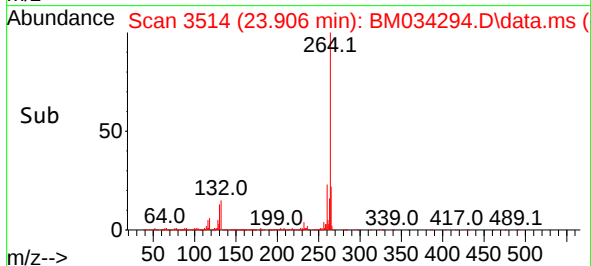
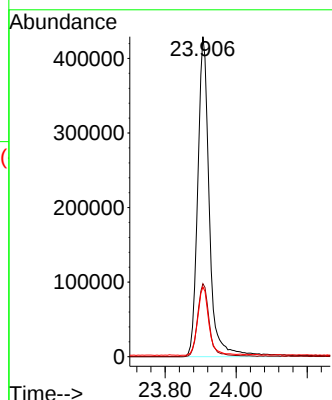
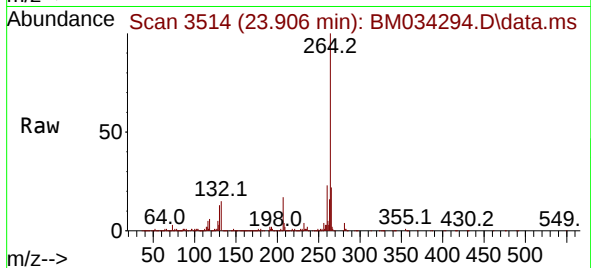
Tgt Ion:264 Resp: 980496

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

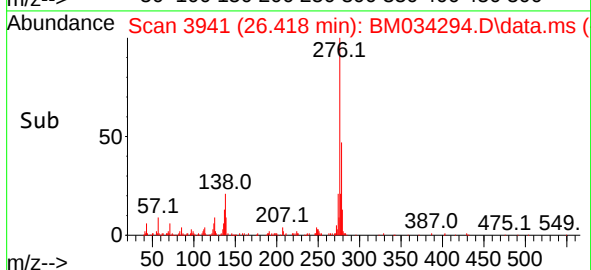
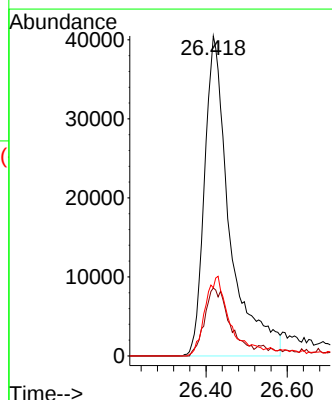
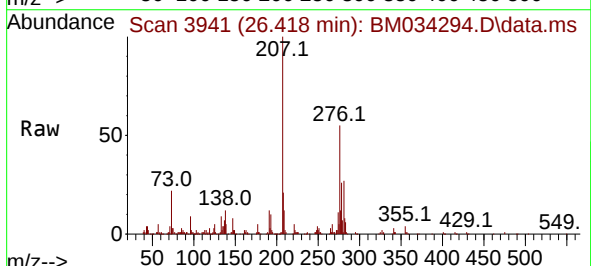
Tgt Ion:276 Resp: 174220

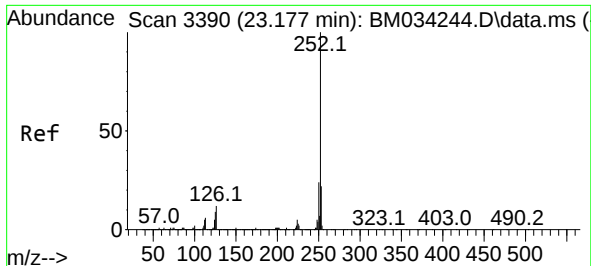
Ion Ratio Lower Upper

276 100

138 21.4 16.6 25.0

277 24.6 19.8 29.6

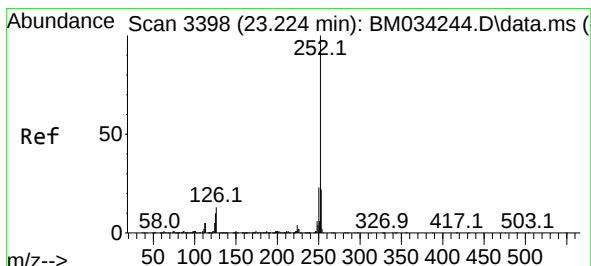
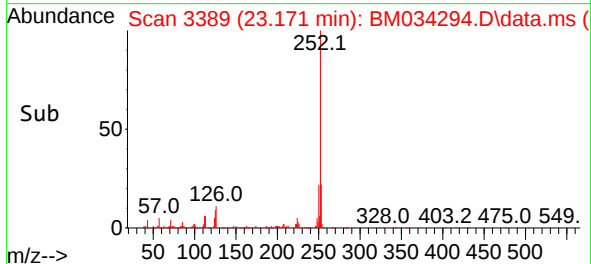
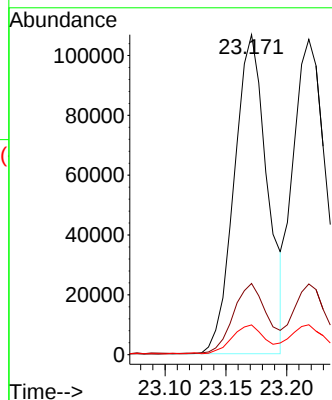
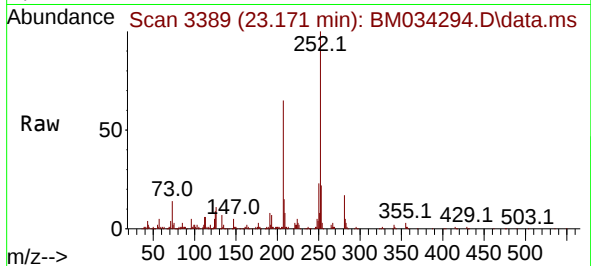




#88
Benzo(b)fluoranthene
Concen: 3.438 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

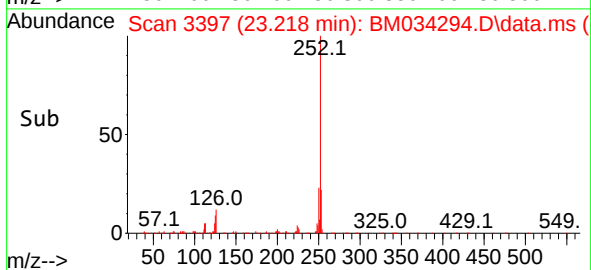
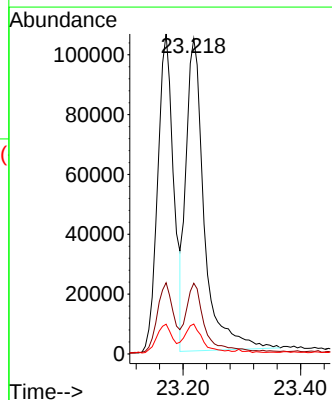
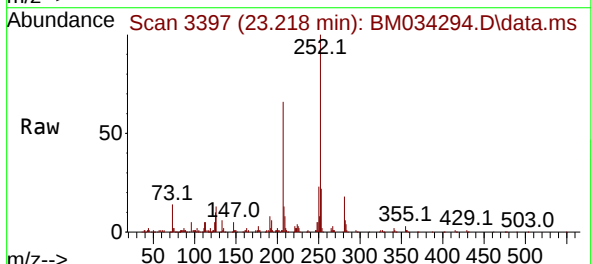
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

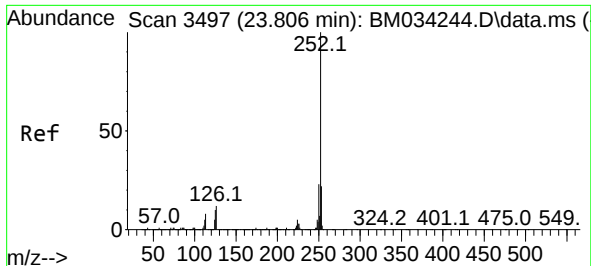
Tgt Ion:252 Resp: 201554
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.3 7.2 10.8



#89
Benzo(k)fluoranthene
Concen: 3.633 ng
RT: 23.218 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

Tgt Ion:252 Resp: 225648
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.5 7.5 11.3

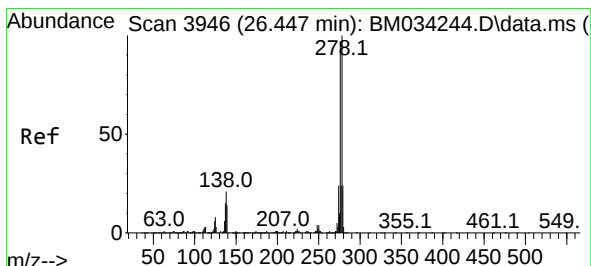
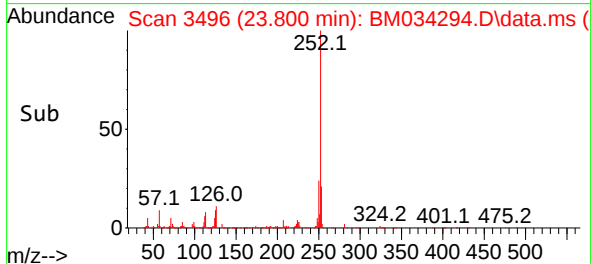
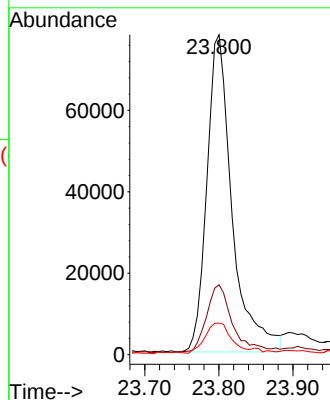
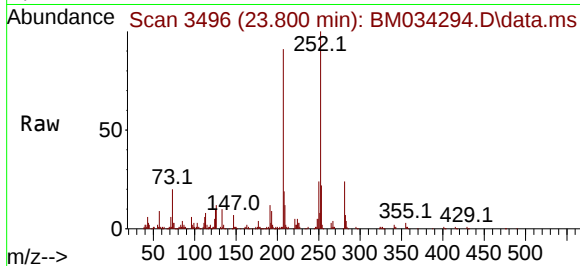




#90
Benzo(a)pyrene
Concen: 3.719 ng
RT: 23.800 min Scan# 3497
Delta R.T. -0.006 min
Lab File: BM034294.D
Acq: 21 Mar 2022 18:53

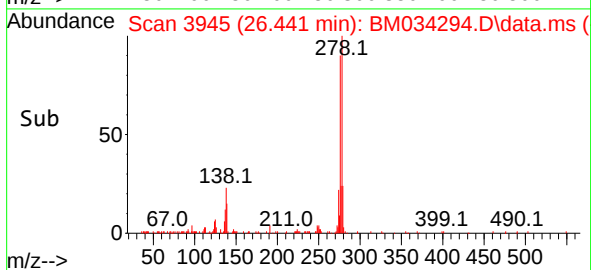
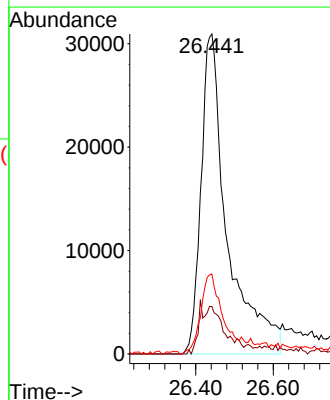
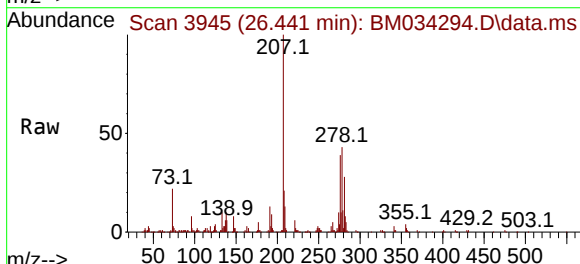
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

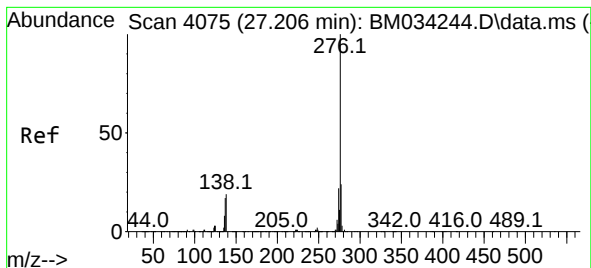
Tgt Ion:252 Resp: 184857
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.8 7.8 11.6



#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

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





#92

Benzo(g,h,i)perylene

Concen: 3.203 ng

RT: 27.194 min Scan# 40

Delta R.T. -0.012 min

Lab File: BM034294.D

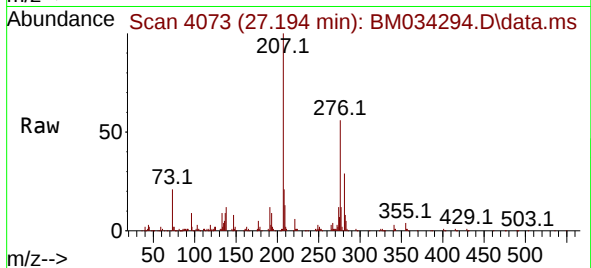
Acq: 21 Mar 2022 18:53

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:276 Resp: 169573

Ion Ratio Lower Upper

276 100

277 20.7 19.0 28.4

138 20.6 15.6 23.4

