

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034307.D
 Acq On : 22 Mar 2022 12:46
 Operator : CG/JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Mar 22 14:40:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 14:39:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	126572	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	530862	20.000	ng	-0.01
39) Acenaphthene-d10	14.577	164	364708	20.000	ng	-0.01
64) Phenanthrene-d10	17.318	188	770186	20.000	ng	-0.01
76) Chrysene-d12	21.489	240	839130	20.000	ng	-0.01
86) Perylene-d12	23.900	264	900956	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	790851	112.091	ng	-0.01
7) Phenol-d6	7.095	99	1174876	116.304	ng	-0.01
23) Nitrobenzene-d5	9.101	82	938070	86.033	ng	-0.01
42) 2,4,6-Tribromophenol	16.065	330	570293	116.012	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2191405	82.108	ng	0.00
79) Terphenyl-d14	19.936	244	3682322	76.251	ng	-0.01

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.349	88	11164	3.497	ng	# 90
3) Pyridine	3.772	79	22450	2.599	ng	# 84
4) n-Nitrosodimethylamine	3.672	42	15544	3.790	ng	# 90
6) Aniline	7.260	93	44942	3.893	ng	97
8) 2-Chlorophenol	7.501	128	29304	3.551	ng	95
9) Benzaldehyde	7.072	77	30579	5.619	ng	94
10) Phenol	7.125	94	35259	3.509	ng	95
11) bis(2-Chloroethyl)ether	7.360	93	30876	3.744	ng	98
12) 1,3-Dichlorobenzene	7.831	146	34300	3.664	ng	96
13) 1,4-Dichlorobenzene	7.978	146	34589	3.609	ng	99
14) 1,2-Dichlorobenzene	8.295	146	33027	3.535	ng	97
15) Benzyl Alcohol	8.178	79	25678	3.194	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.478	45	43898	3.879	ng	98
17) 2-Methylphenol	8.384	107	22748	3.233	ng	90
18) Hexachloroethane	9.031	117	12522	3.543	ng	97
19) n-Nitroso-di-n-propyla...	8.748	70	25943	3.550	ng	# 93
20) 3+4-Methylphenols	8.707	107	31003	3.186	ng	89
22) Acetophenone	8.766	105	48377	3.551	ng	# 96
24) Nitrobenzene	9.142	77	38789	3.810	ng	97
25) Isophorone	9.672	82	66673	3.654	ng	98
26) 2-Nitrophenol	9.860	139	12232	2.710	ng	97
27) 2,4-Dimethylphenol	9.919	122	25775	3.646	ng	98
28) bis(2-Chloroethoxy)met...	10.160	93	39879	3.414	ng	97
29) 2,4-Dichlorophenol	10.401	162	22778	2.773	ng	96
30) 1,2,4-Trichlorobenzene	10.619	180	32455	3.476	ng	97
31) Naphthalene	10.801	128	100879	3.648	ng	99
32) Benzoic acid	9.989	122	4423	0.757	ng	# 86
33) 4-Chloroaniline	10.913	127	33804	3.099	ng	97
34) Hexachlorobutadiene	11.101	225	21029	3.556	ng	98
35) Caprolactam	11.660	113	7618	2.668	ng	# 83
36) 4-Chloro-3-methylphenol	12.030	107	27679	2.941	ng	98
37) 2-Methylnaphthalene	12.413	142	69726	3.533	ng	99
38) 1-Methylnaphthalene	12.630	142	70081	3.630	ng	99
40) 1,2,4,5-Tetrachloroben...	12.783	216	38346	3.484	ng	98
41) Hexachlorocyclopentadiene	12.766	237	21842	3.427	ng	98
43) 2,4,6-Trichlorophenol	13.019	196	19950	2.625	ng	99

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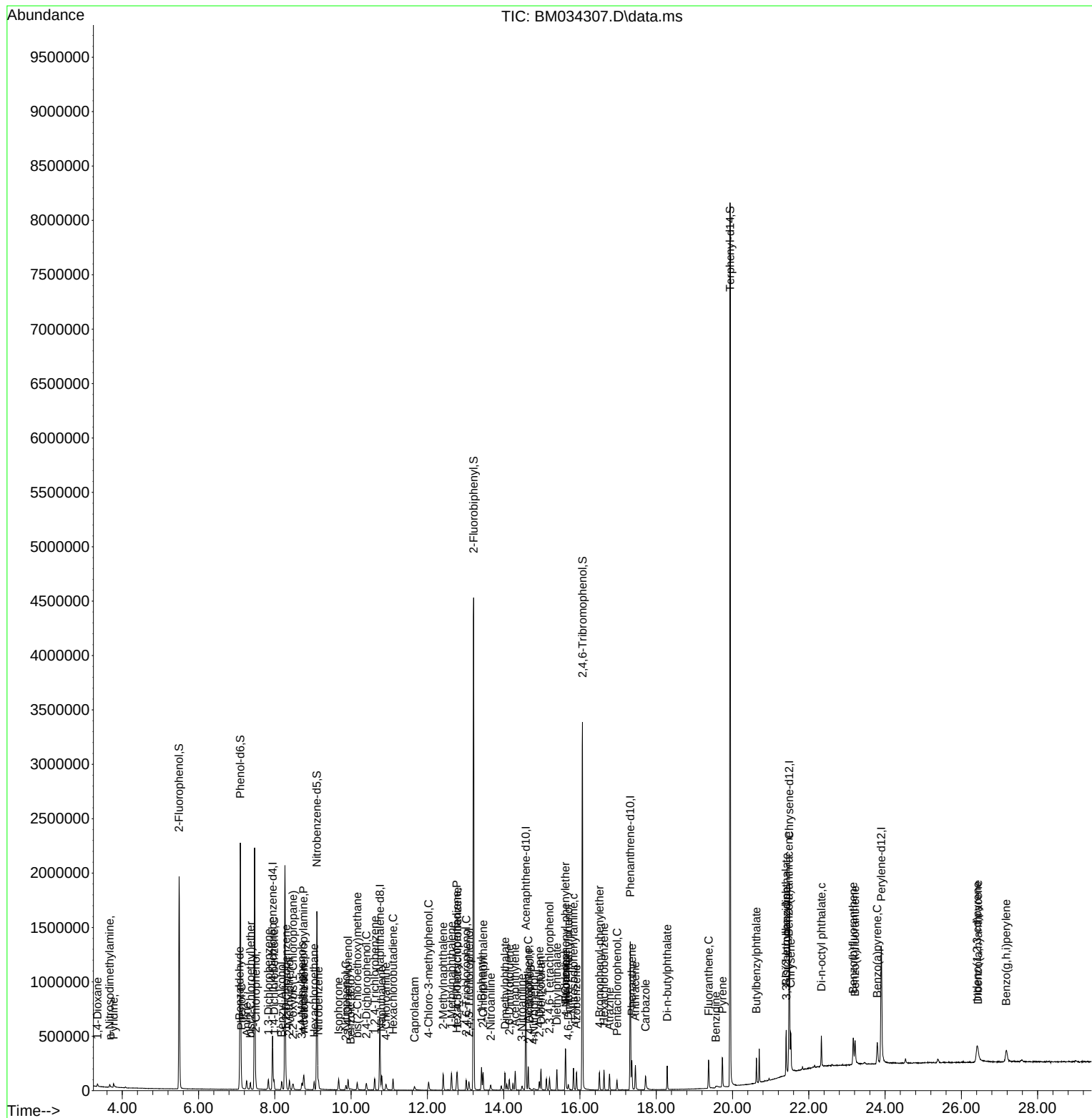
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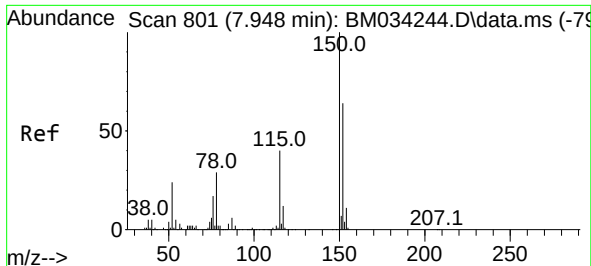
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	23940	2.935	ng	91
46) 1,1'-Biphenyl	13.419	154	100818	3.625	ng	99
47) 2-Chloronaphthalene	13.460	162	74053	3.469	ng	96
48) 2-Nitroaniline	13.660	65	16633	2.549	ng	90
49) Acenaphthylene	14.301	152	116107	3.490	ng	98
50) Dimethylphthalate	14.036	163	95096	3.426	ng	100
51) 2,6-Dinitrotoluene	14.148	165	16890	2.967	ng	91
52) Acenaphthene	14.642	154	75539	3.371	ng	95
53) 3-Nitroaniline	14.477	138	12555	2.198	ng #	91
54) 2,4-Dinitrophenol	14.683	184	4018	1.260	ng	87
55) Dibenzofuran	14.977	168	114226	3.420	ng	98
56) 4-Nitrophenol	14.795	139	7213	1.558	ng #	84
57) 2,4-Dinitrotoluene	14.936	165	21500	2.794	ng #	98
58) Fluorene	15.624	166	91724	3.383	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.201	232	21011	2.857	ng	95
60) Diethylphthalate	15.395	149	97730	3.432	ng	98
61) 4-Chlorophenyl-phenyle...	15.618	204	47543	3.435	ng	98
62) 4-Nitroaniline	15.630	138	9351	1.702	ng #	73
63) Azobenzene	15.907	77	91365	3.327	ng	98
65) 4,6-Dinitro-2-methylph...	15.695	198	9779	1.953	ng	94
66) n-Nitrosodiphenylamine	15.830	169	78989	3.228	ng	98
67) 4-Bromophenyl-phenylether	16.512	248	29081	3.285	ng	96
68) Hexachlorobenzene	16.630	284	35236	3.568	ng	99
69) Atrazine	16.777	200	27445	3.403	ng	98
70) Pentachlorophenol	16.971	266	15990	2.532	ng	93
71) Phenanthrene	17.359	178	153002	3.547	ng	99
72) Anthracene	17.454	178	147034	3.502	ng	99
73) Carbazole	17.718	167	115446	2.949	ng	99
74) Di-n-butylphthalate	18.289	149	149282	3.067	ng	99
75) Fluoranthene	19.371	202	171341	3.544	ng	98
77) Benzidine	19.565	184	10003	0.813	ng	99
78) Pyrene	19.736	202	183703	3.107	ng	99
80) Butylbenzylphthalate	20.624	149	63528	2.541	ng	99
81) Benzo(a)anthracene	21.477	228	179302	3.385	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	54201	3.064	ng	96
83) Chrysene	21.524	228	186611	3.450	ng	97
84) Bis(2-ethylhexyl)phtha...	21.406	149	97707	2.646	ng	99
85) Di-n-octyl phthalate	22.330	149	170318	2.906	ng	99
87) Indeno(1,2,3-cd)pyrene	26.412	276	161302	2.783	ng	99
88) Benzo(b)fluoranthene	23.165	252	175124	3.251	ng	99
89) Benzo(k)fluoranthene	23.212	252	195741	3.430	ng	99
90) Benzo(a)pyrene	23.794	252	162302	3.554	ng	100
91) Dibenzo(a,h)anthracene	26.435	278	130949	2.786	ng	98
92) Benzo(g,h,i)perylene	27.176	276	167204	3.437	ng	99

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

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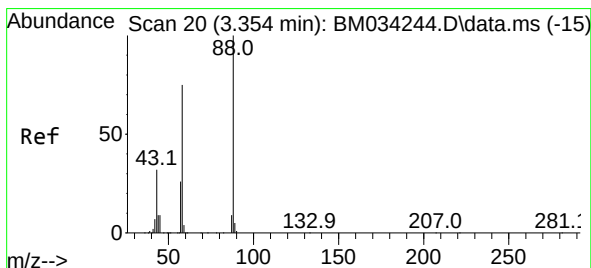
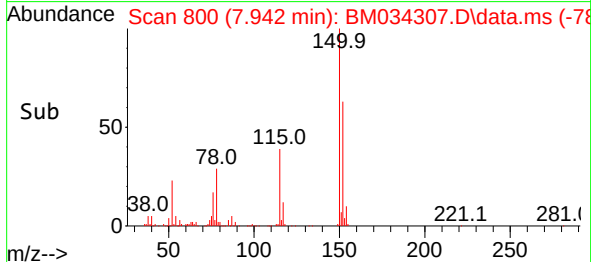
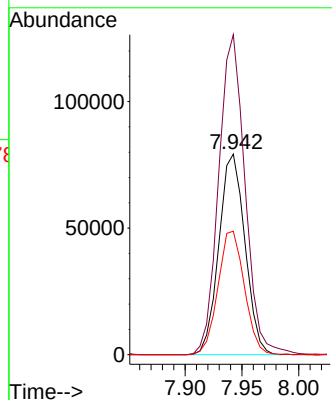
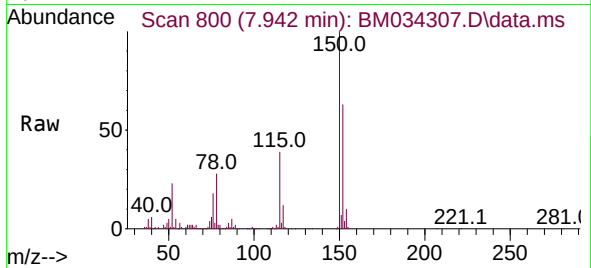




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.942 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

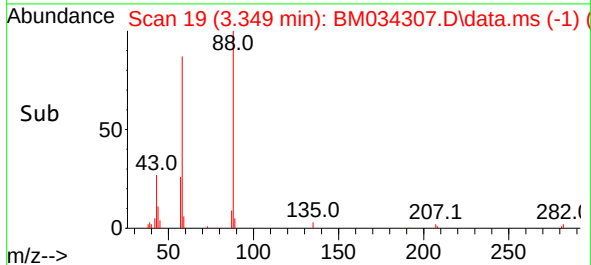
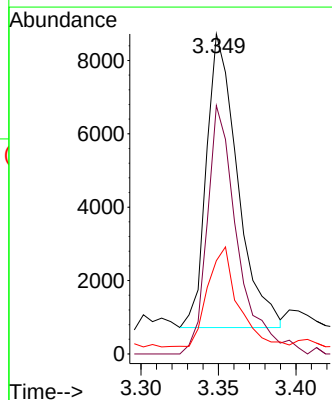
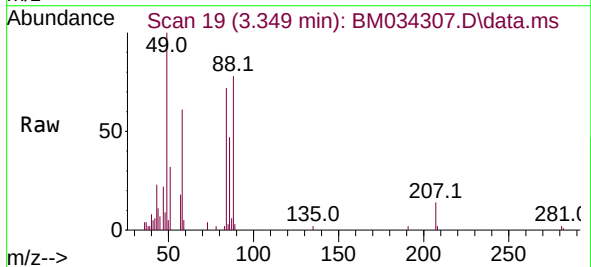
Instrument :
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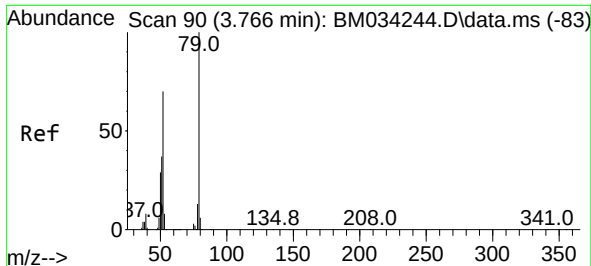
Tgt Ion:152 Resp: 126572
 Ion Ratio Lower Upper
 152 100
 150 159.5 125.4 188.2
 115 61.6 50.1 75.1



#2
 1,4-Dioxane
 Concen: 3.497 ng
 RT: 3.349 min Scan# 19
 Delta R.T. -0.006 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

Tgt Ion: 88 Resp: 11164
 Ion Ratio Lower Upper
 88 100
 58 83.3 60.4 90.6
 43 38.3 25.4 38.0#

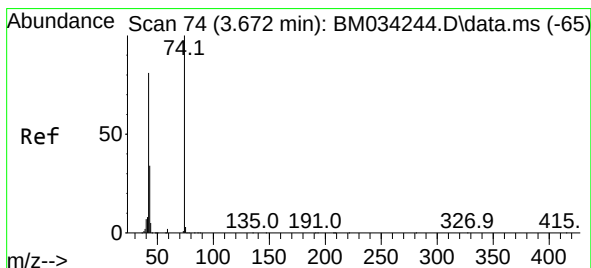
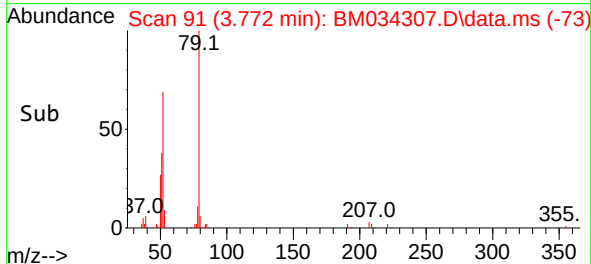
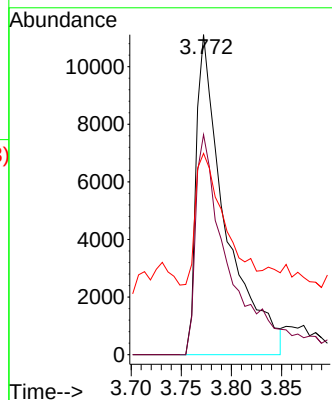
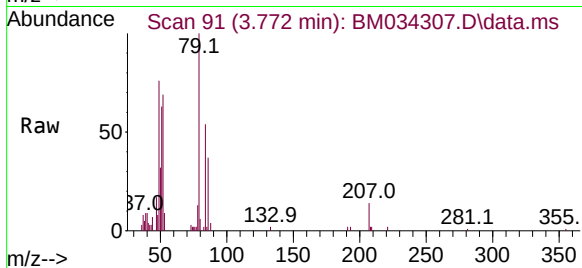




#3
 Pyridine
 Concen: 2.599 ng
 RT: 3.772 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

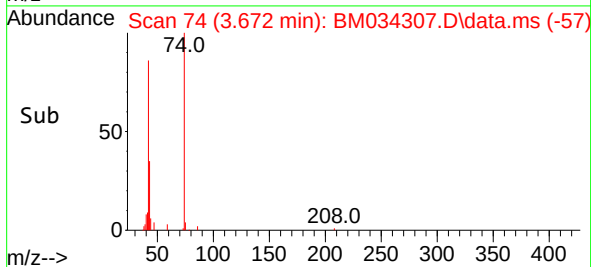
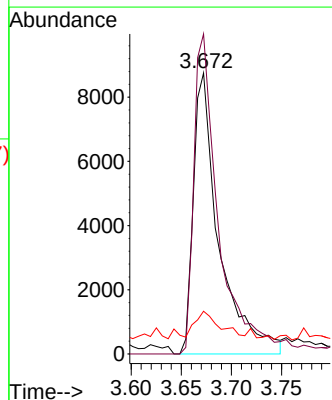
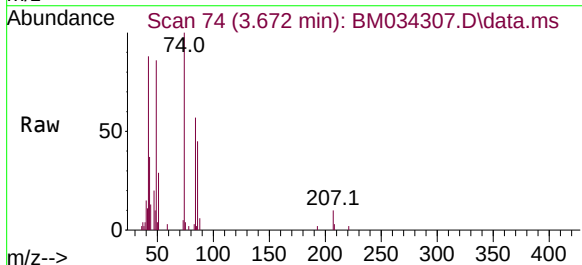
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 ClientSampleId :
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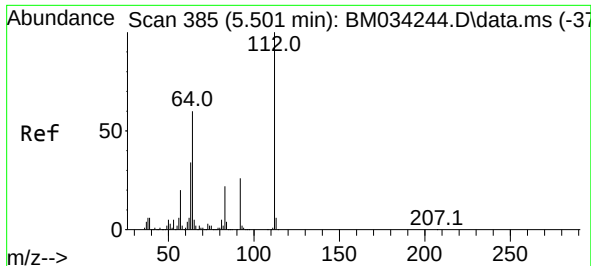
Tgt Ion: 79 Resp: 22450
 Ion Ratio Lower Upper
 79 100
 52 68.7 56.1 84.1
 51 62.9 30.4 45.6#



#4
 n-Nitrosodimethylamine
 Concen: 3.790 ng
 RT: 3.672 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

Tgt Ion: 42 Resp: 15544
 Ion Ratio Lower Upper
 42 100
 74 113.9 99.3 148.9
 44 15.2 5.0 7.6#

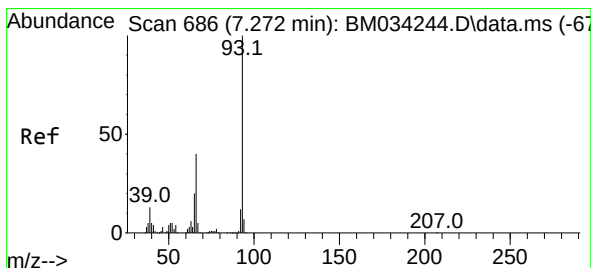
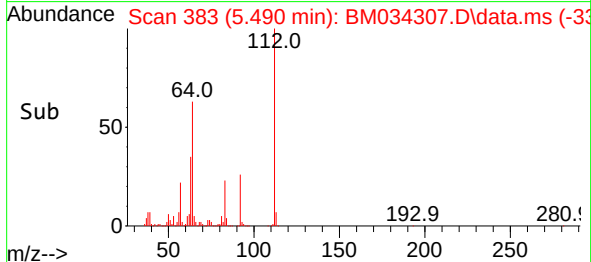
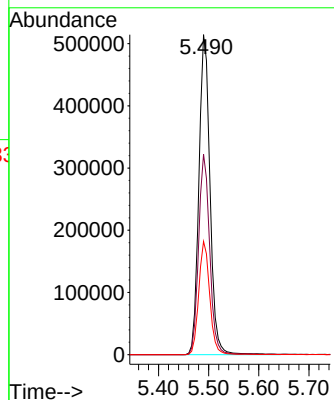
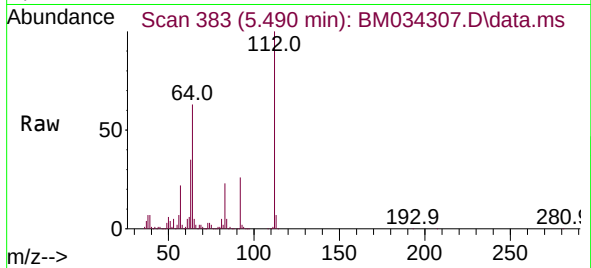




#5
2-Fluorophenol
Concen: 112.091 ng
RT: 5.490 min Scan# 385
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

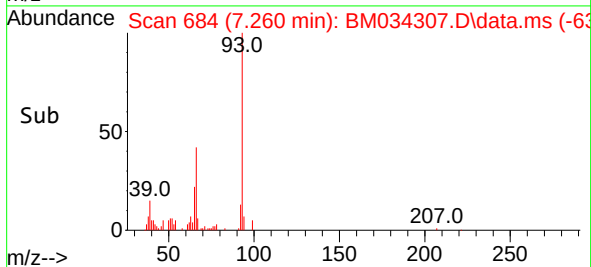
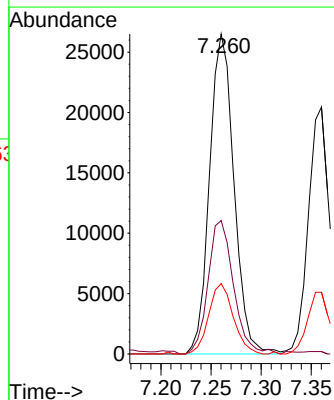
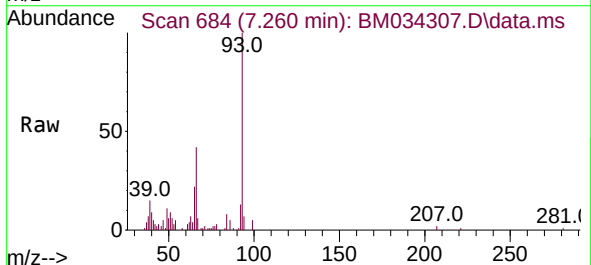
Instrument :
BNA_M
ClientSampleId :
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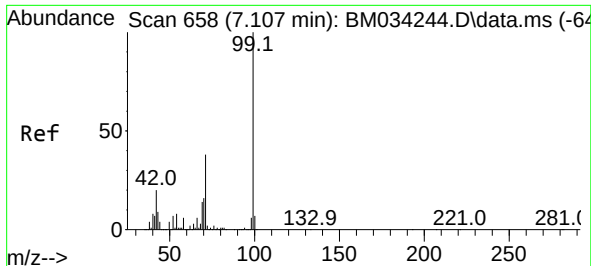
Tgt Ion:112 Resp: 790851
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 35.4 27.1 40.7



#6
Aniline
Concen: 3.893 ng
RT: 7.260 min Scan# 684
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 93 Resp: 44942
Ion Ratio Lower Upper
93 100
66 41.7 31.9 47.9
65 22.0 16.2 24.4

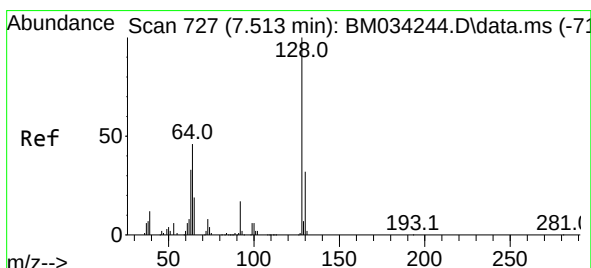
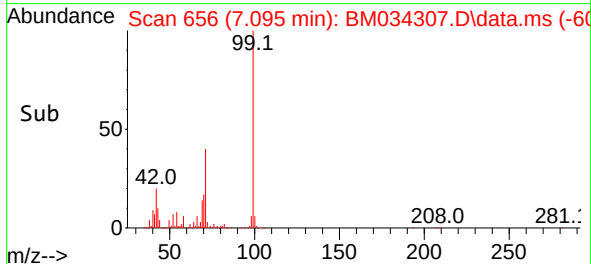
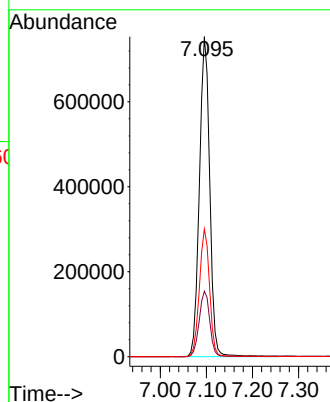
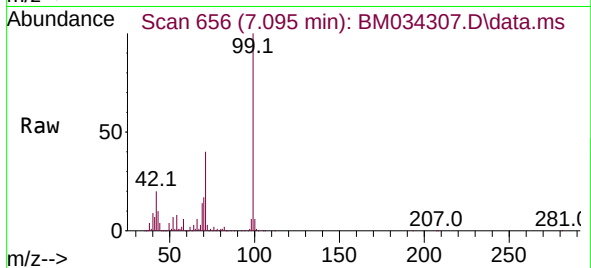




#7
Phenol-d6
Concen: 116.304 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

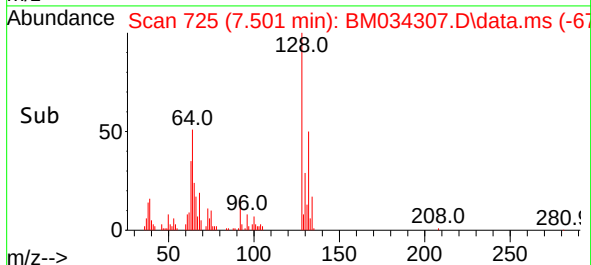
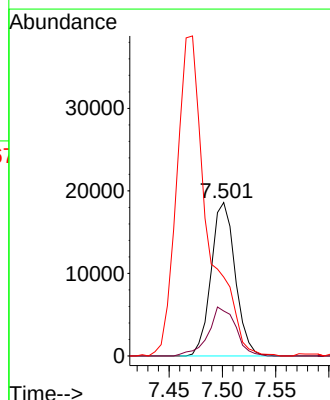
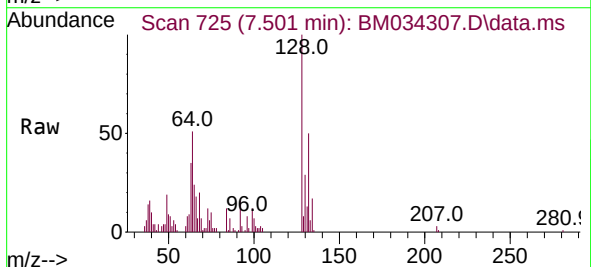
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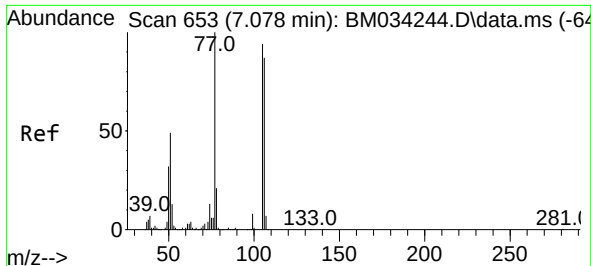
Tgt Ion: 99 Resp: 1174876
Ion Ratio Lower Upper
99 100
42 20.5 15.6 23.4
71 39.9 30.6 46.0



#8
2-Chlorophenol
Concen: 3.551 ng
RT: 7.501 min Scan# 725
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 128 Resp: 29304
Ion Ratio Lower Upper
128 100
130 29.3 12.3 52.3
64 51.4 28.1 68.1

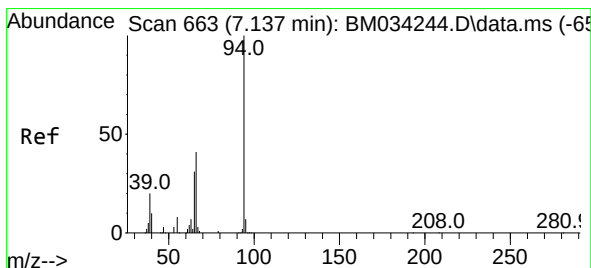
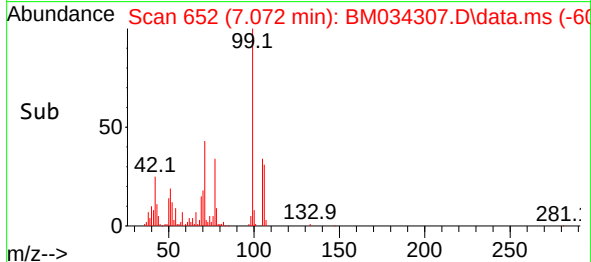
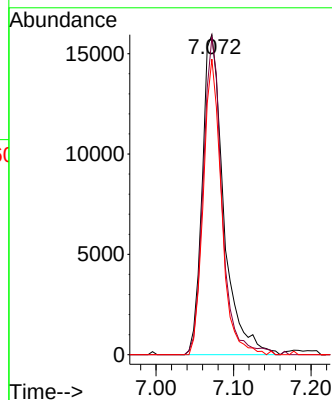
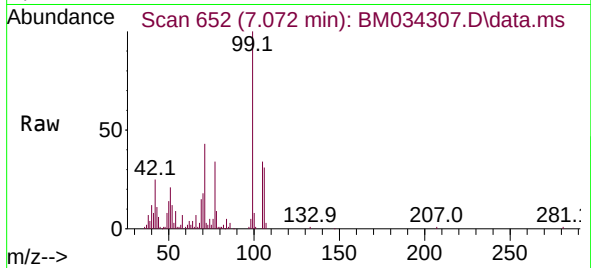




#9
Benzaldehyde
Concen: 5.619 ng
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

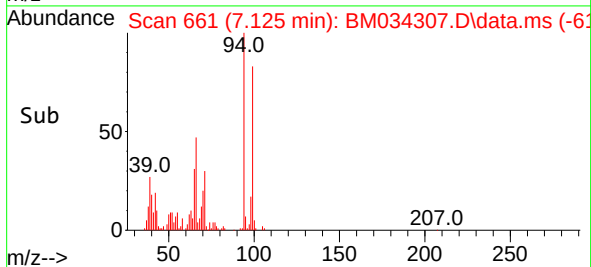
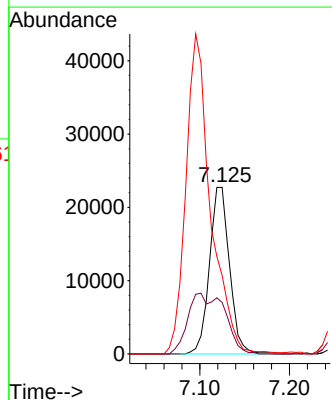
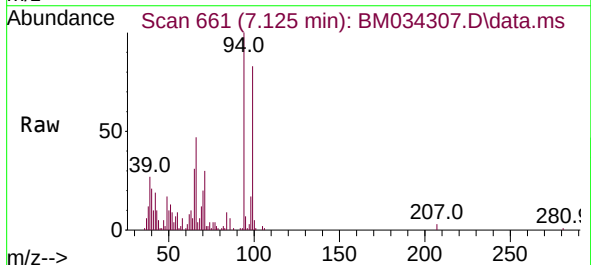
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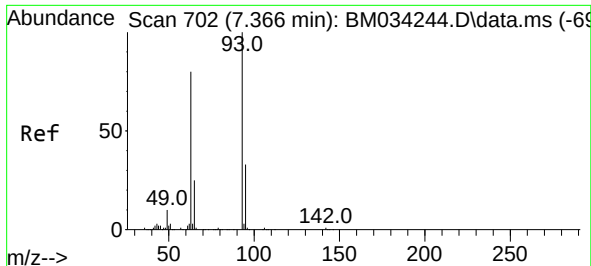
Tgt Ion: 77 Resp: 30579
Ion Ratio Lower Upper
77 100
105 99.2 73.9 113.9
106 92.3 67.2 107.2



#10
Phenol
Concen: 3.509 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 94 Resp: 35259
Ion Ratio Lower Upper
94 100
65 30.9 10.9 50.9
66 47.2 22.0 62.0

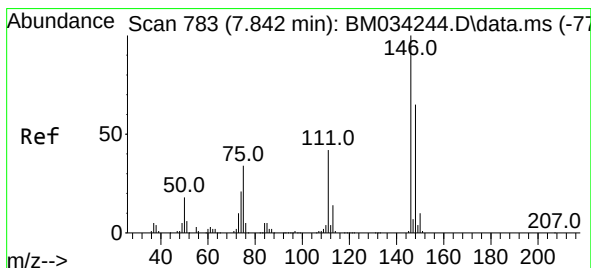
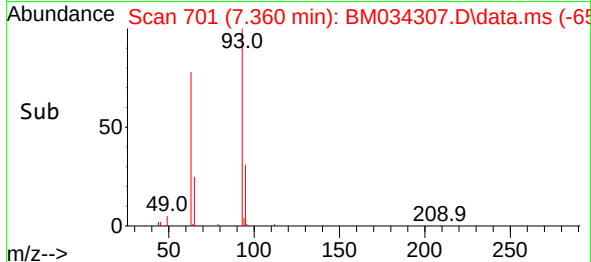
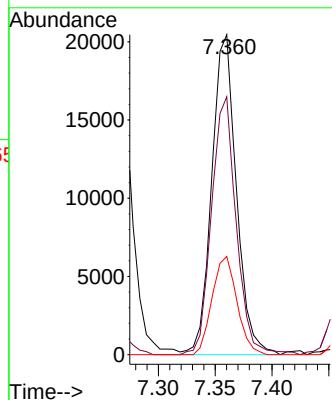
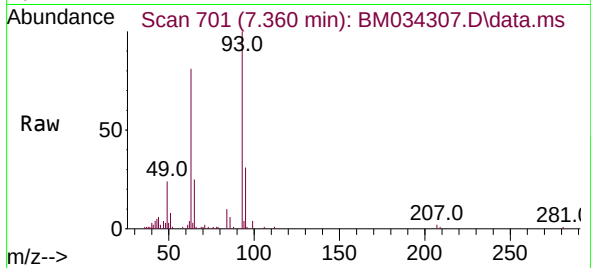




#11
bis(2-Chloroethyl)ether
Concen: 3.744 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

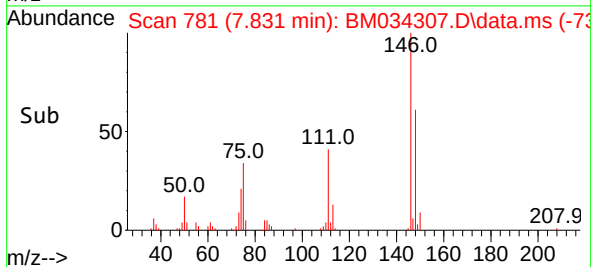
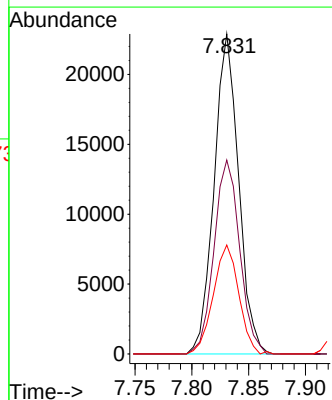
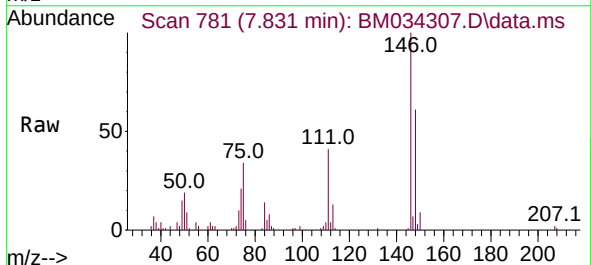
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

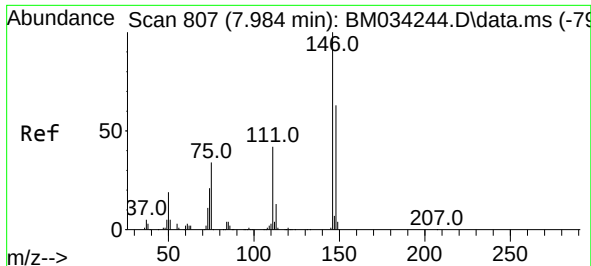
Tgt Ion: 93 Resp: 30876
Ion Ratio Lower Upper
93 100
63 80.6 59.6 99.6
95 30.7 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 3.664 ng
RT: 7.831 min Scan# 781
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 146 Resp: 34300
Ion Ratio Lower Upper
146 100
148 60.6 51.8 77.8
75 34.0 27.1 40.7

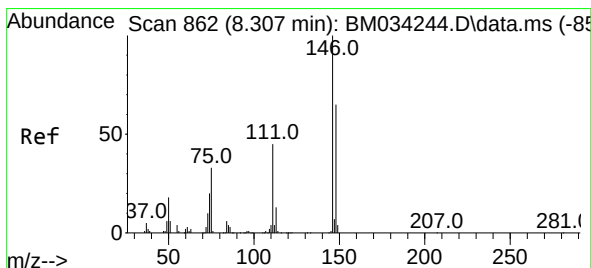
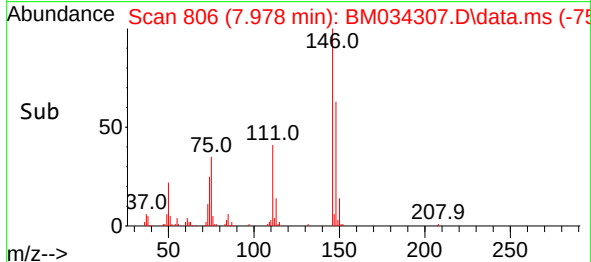
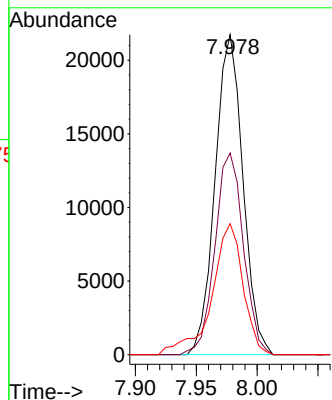
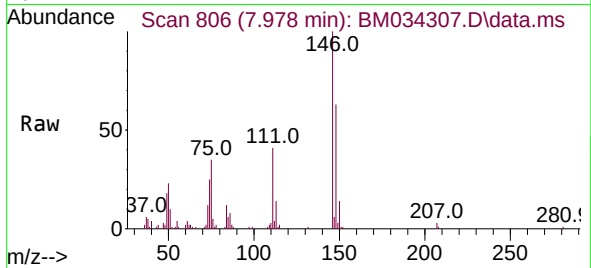




#13
1,4-Dichlorobenzene
Concen: 3.609 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

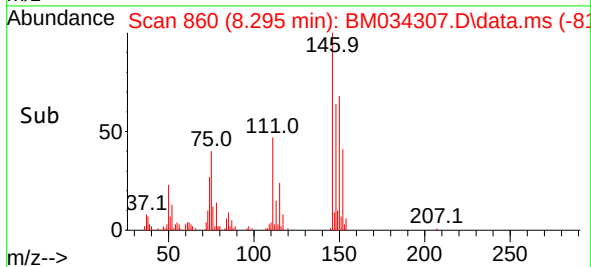
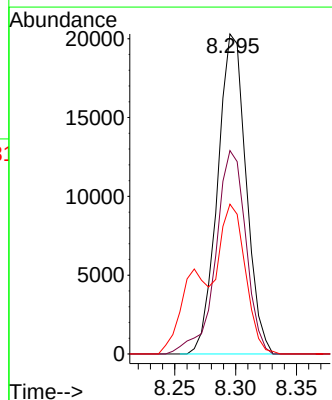
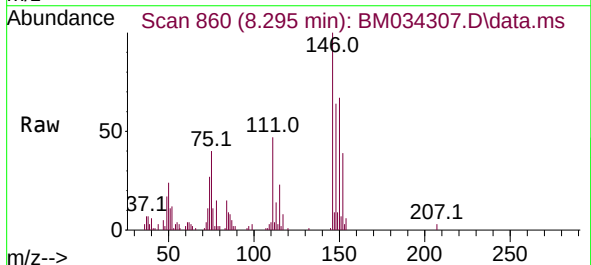
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

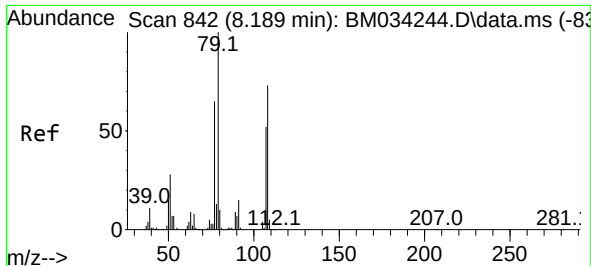
Tgt Ion:146 Resp: 34589
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
111 41.0 34.0 51.0



#14
1,2-Dichlorobenzene
Concen: 3.535 ng
RT: 8.295 min Scan# 860
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:146 Resp: 33027
Ion Ratio Lower Upper
146 100
148 63.6 52.2 78.4
111 46.8 35.8 53.8

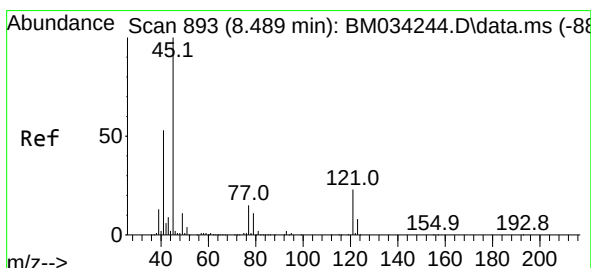
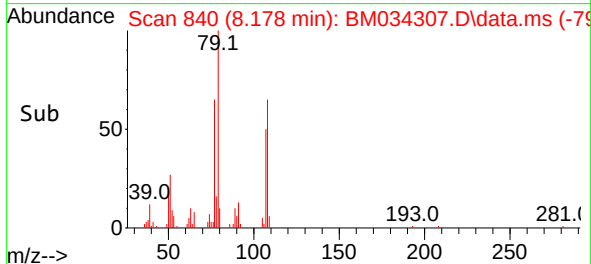
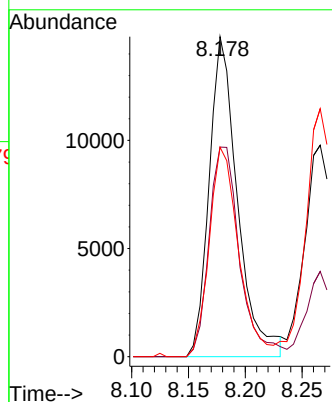
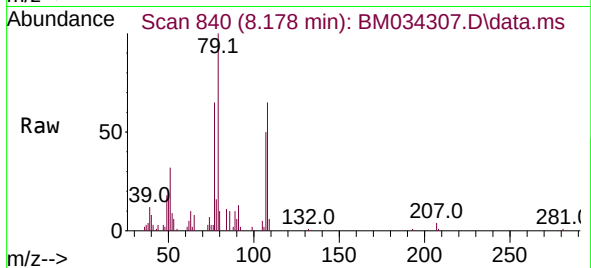




#15
Benzyl Alcohol
Concen: 3.194 ng
RT: 8.178 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

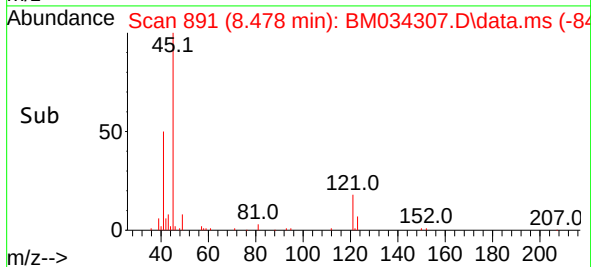
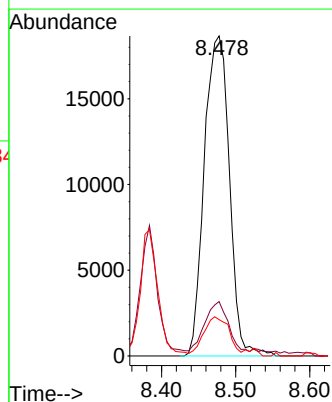
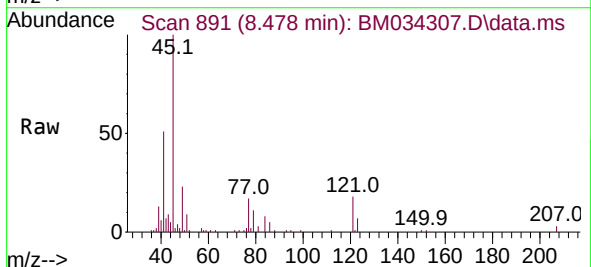
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

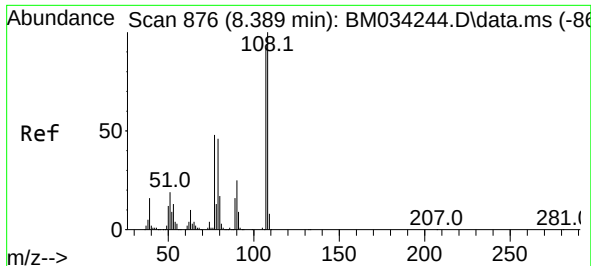
Tgt Ion: 79 Resp: 25678
Ion Ratio Lower Upper
79 100
108 65.5 58.1 87.1
77 65.5 51.8 77.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.879 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 45 Resp: 43898
Ion Ratio Lower Upper
45 100
77 17.0 0.0 35.7
79 11.3 0.0 31.7

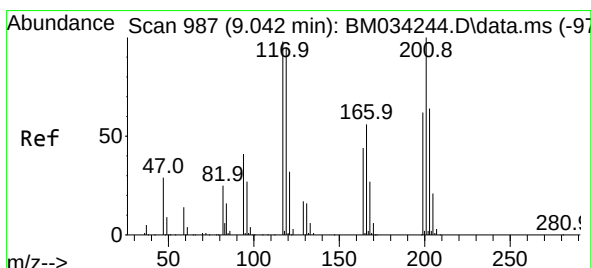
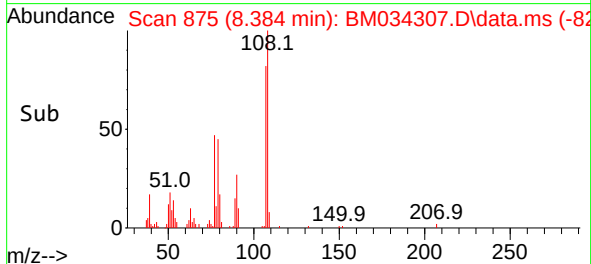
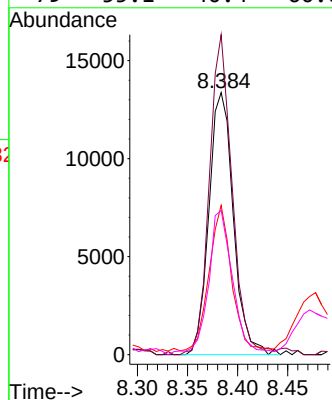
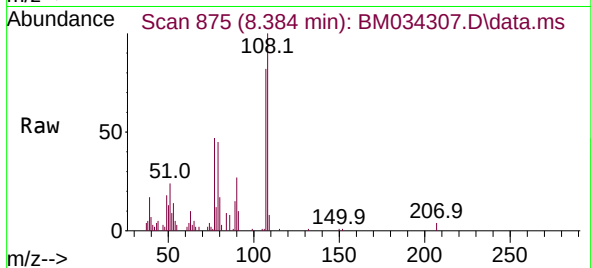




#17
2-Methylphenol
Concen: 3.233 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

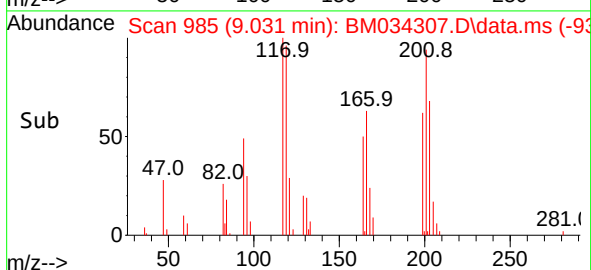
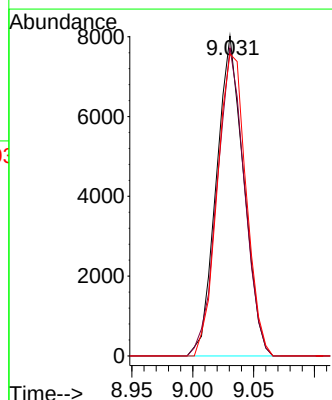
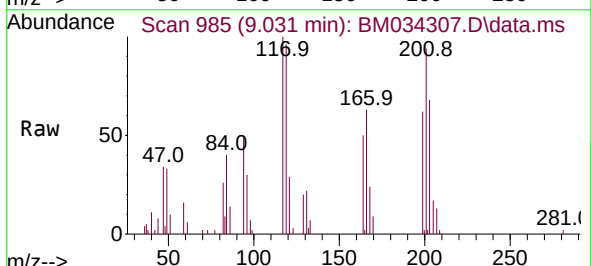
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

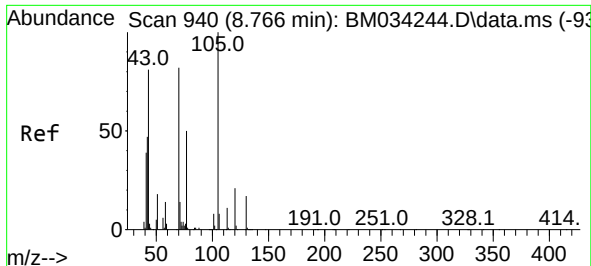
Tgt Ion:	107	Resp:	22748
Ion	Ratio	Lower	Upper
107	100		
108	122.1	87.3	130.9
77	56.9	41.6	62.4
79	55.1	40.4	60.6



#18
Hexachloroethane
Concen: 3.543 ng
RT: 9.031 min Scan# 985
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:	117	Resp:	12522
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
201	96.9	81.6	122.4

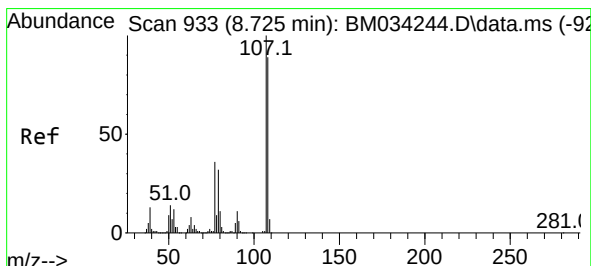
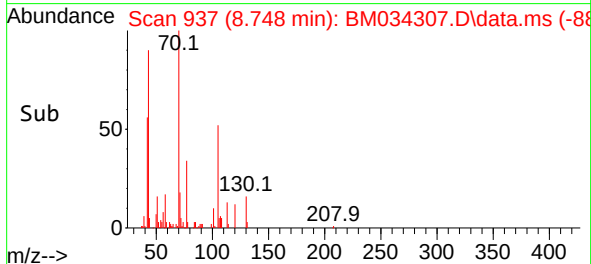
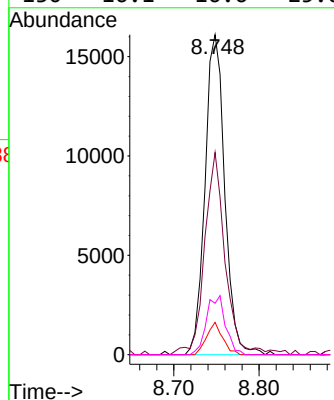
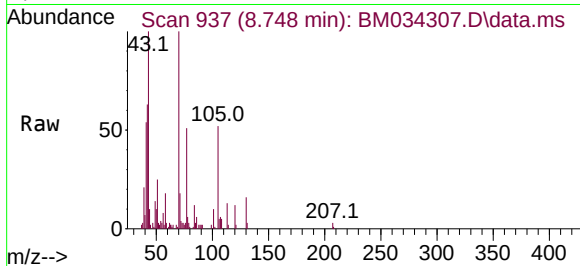




#19
n-Nitroso-di-n-propylamine
Concen: 3.550 ng
RT: 8.748 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

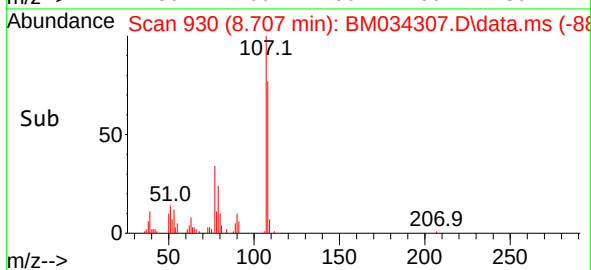
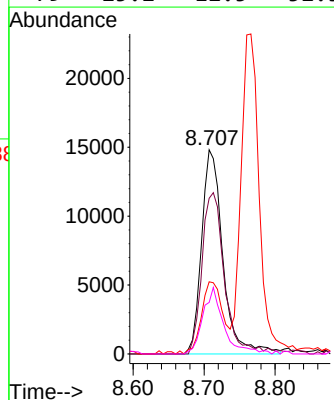
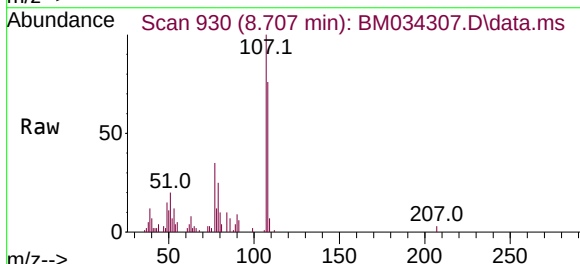
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

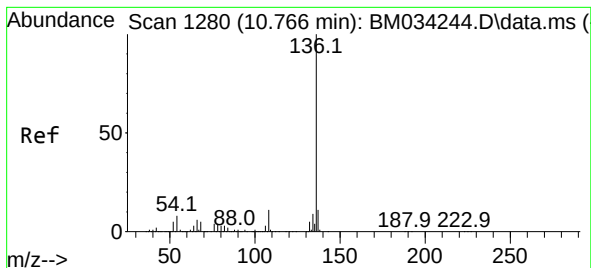
Tgt Ion: 70 Resp: 25943
Ion Ratio Lower Upper
70 100
42 63.2 46.7 70.1
101 10.1 7.8 11.6
130 16.1 16.6 25.0#



#20
3+4-Methylphenols
Concen: 3.186 ng
RT: 8.707 min Scan# 930
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 107 Resp: 31003
Ion Ratio Lower Upper
107 100
108 76.2 69.2 109.2
77 35.4 16.5 56.5
79 25.2 12.5 52.5

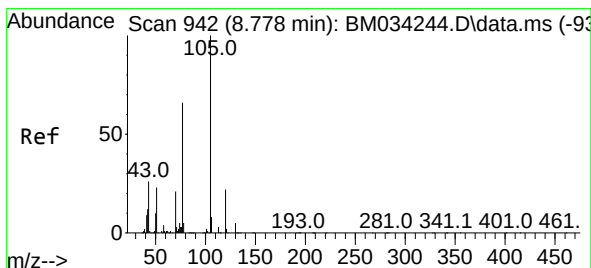
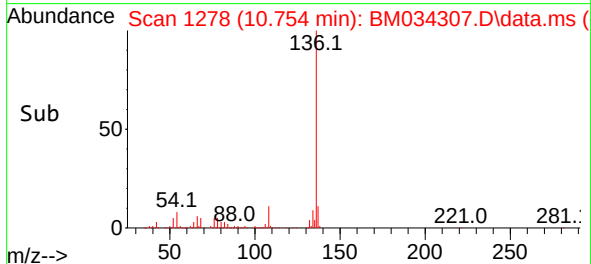
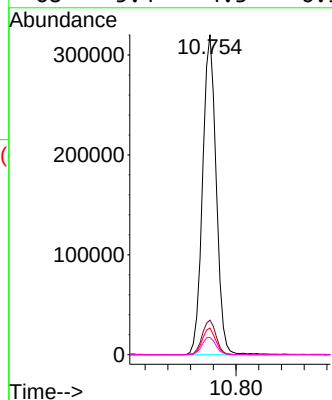
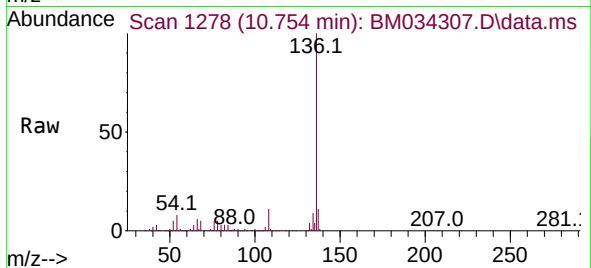




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

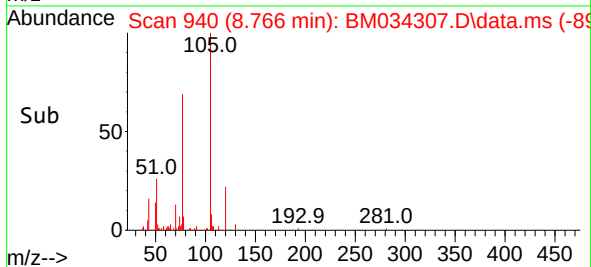
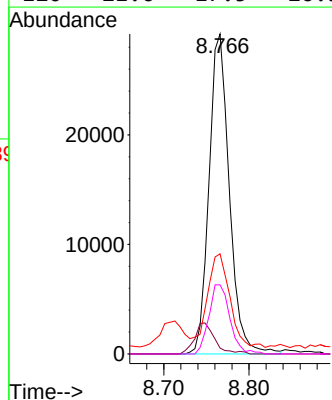
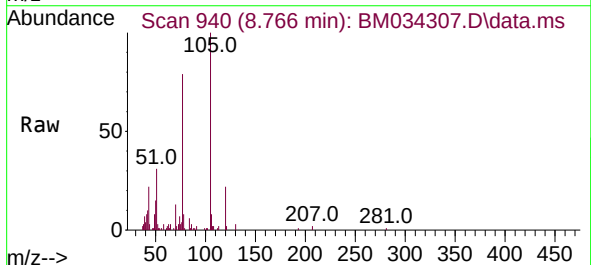
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

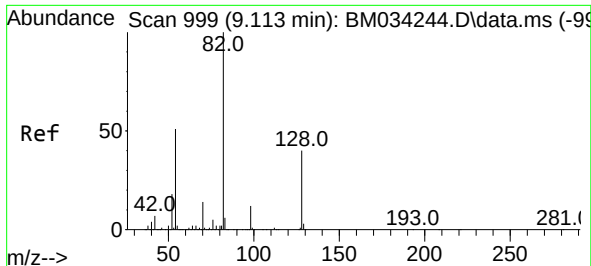
Tgt Ion:	136	Resp:	530862
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.2	9.4
68	5.4	4.3	6.5



#22
Acetophenone
Concen: 3.551 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:	105	Resp:	48377
Ion	Ratio	Lower	Upper
105	100		
71	1.8	3.0	4.4#
51	31.3	22.6	33.8
120	21.6	17.5	26.3





#23

Nitrobenzene-d5

Concen: 86.033 ng

RT: 9.101 min Scan# 999

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

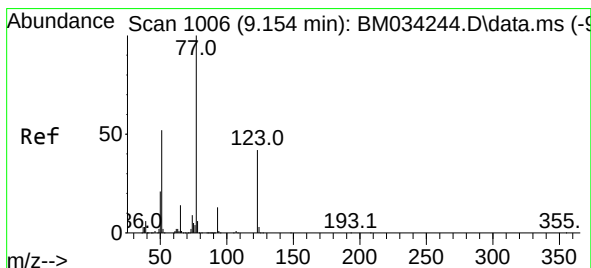
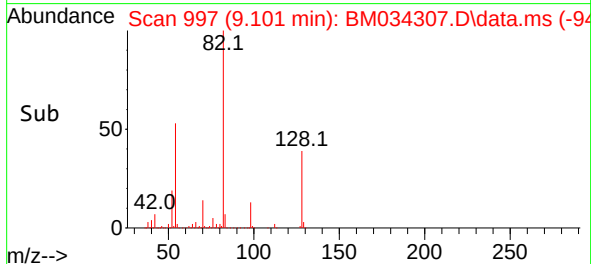
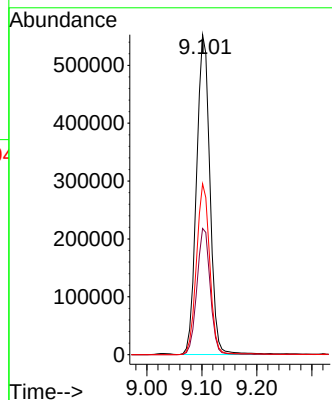
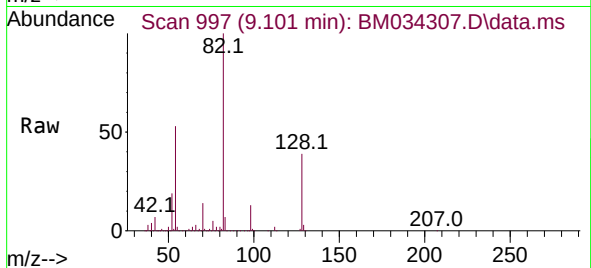
Tgt Ion: 82 Resp: 938070

Ion Ratio Lower Upper

82 100

128 39.4 31.9 47.9

54 53.4 40.6 61.0



#24

Nitrobenzene

Concen: 3.810 ng

RT: 9.142 min Scan# 1004

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

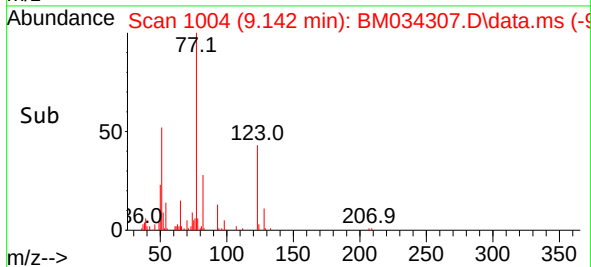
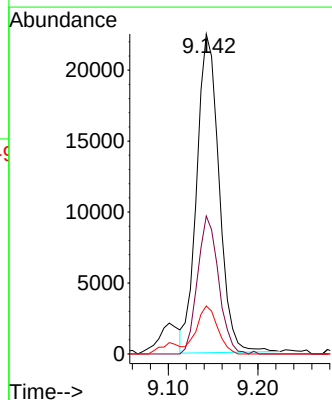
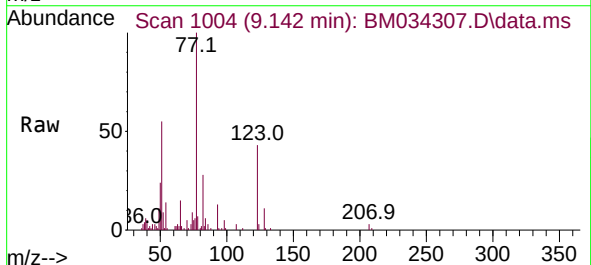
Tgt Ion: 77 Resp: 38789

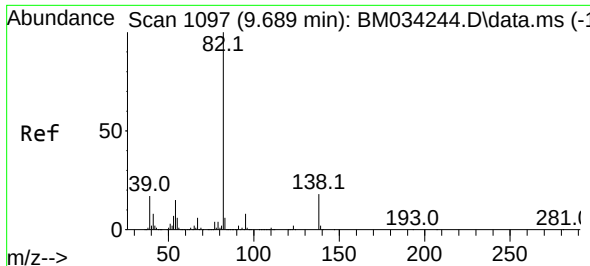
Ion Ratio Lower Upper

77 100

123 43.1 33.3 49.9

65 15.0 11.0 16.4

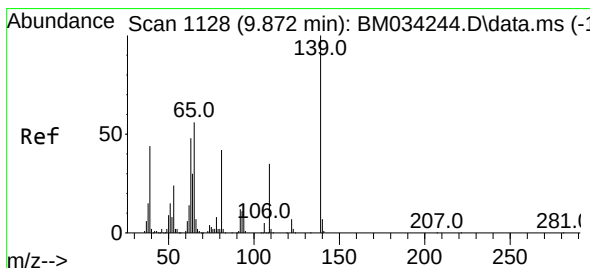
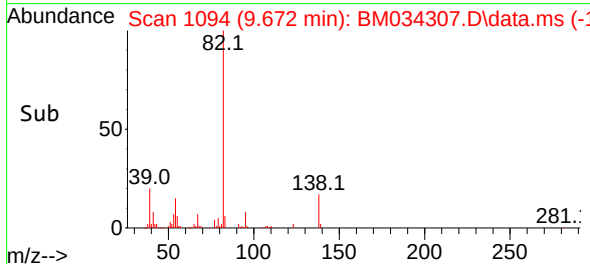
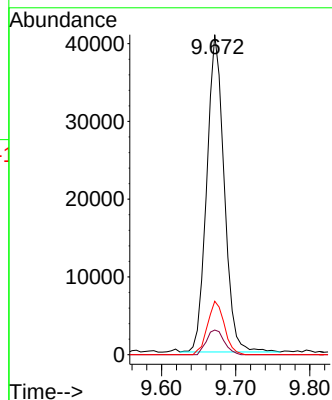
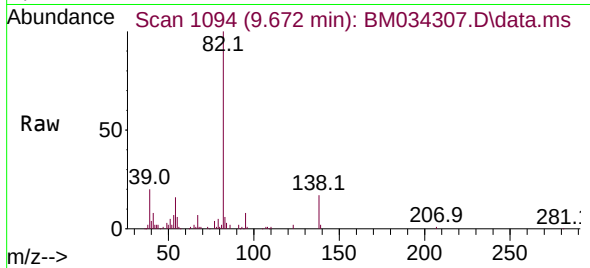




#25
Isophorone
Concen: 3.654 ng
RT: 9.672 min Scan# 1094
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

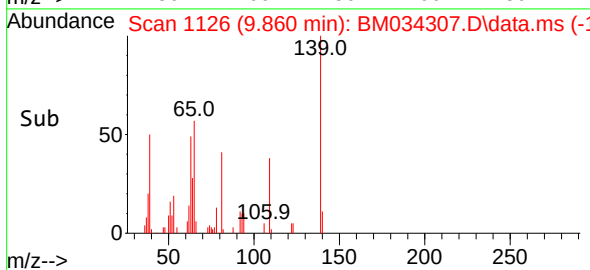
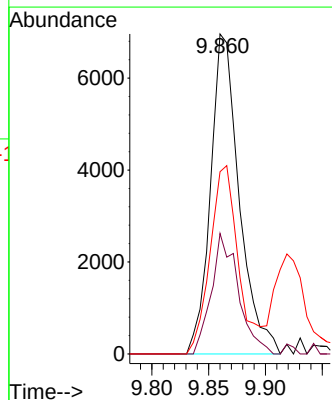
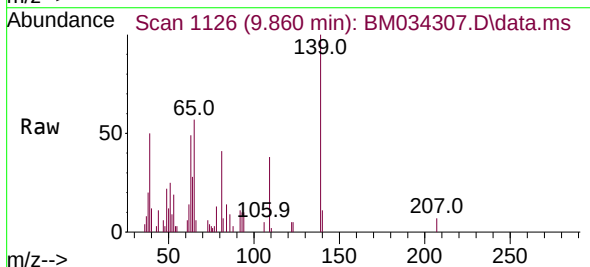
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

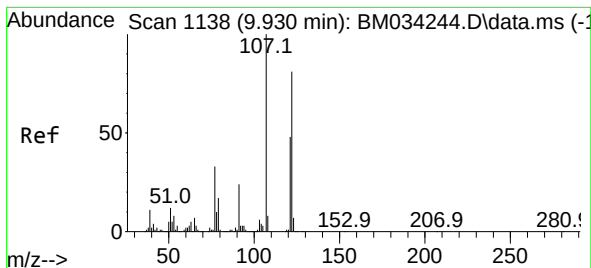
Tgt Ion: 82 Resp: 66673
Ion Ratio Lower Upper
82 100
95 7.7 6.6 9.8
138 16.7 14.4 21.6



#26
2-Nitrophenol
Concen: 2.710 ng
RT: 9.860 min Scan# 1126
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 139 Resp: 12232
Ion Ratio Lower Upper
139 100
109 37.7 28.1 42.1
65 56.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 3.646 ng

RT: 9.919 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BM034307.D

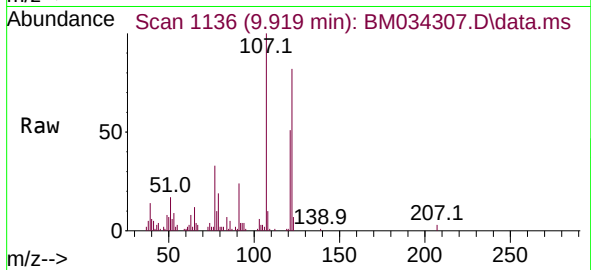
Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



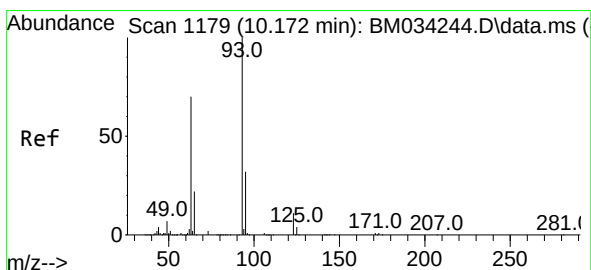
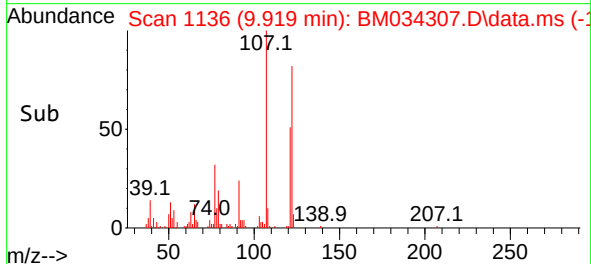
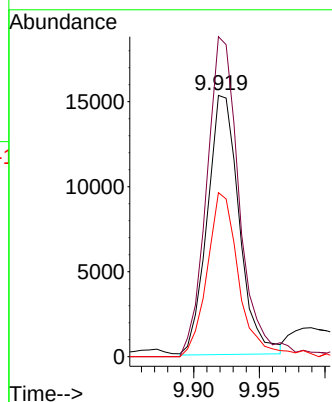
Tgt Ion:122 Resp: 25775

Ion Ratio Lower Upper

122 100

107 122.4 99.0 148.6

121 62.7 47.7 71.5



#28

bis(2-Chloroethoxy)methane

Concen: 3.414 ng

RT: 10.160 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

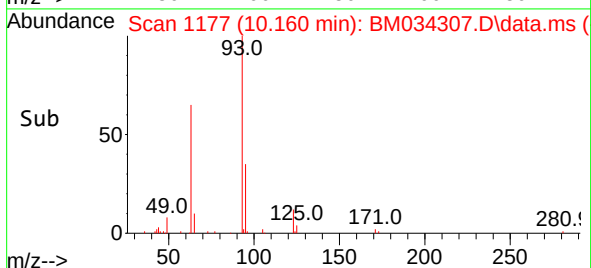
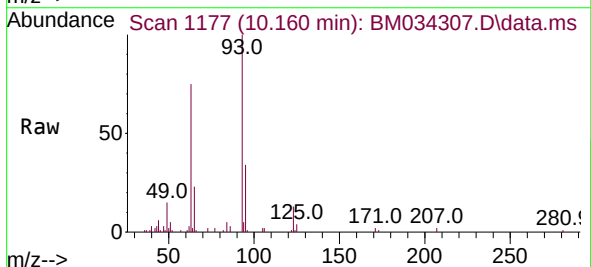
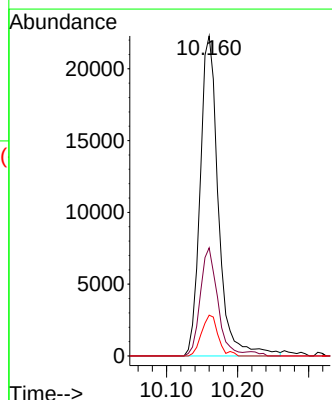
Tgt Ion: 93 Resp: 39879

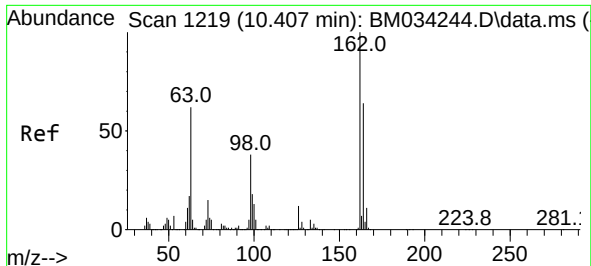
Ion Ratio Lower Upper

93 100

95 33.8 26.0 39.0

123 12.7 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 2.773 ng

RT: 10.401 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

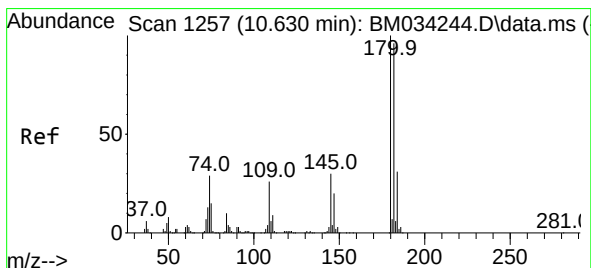
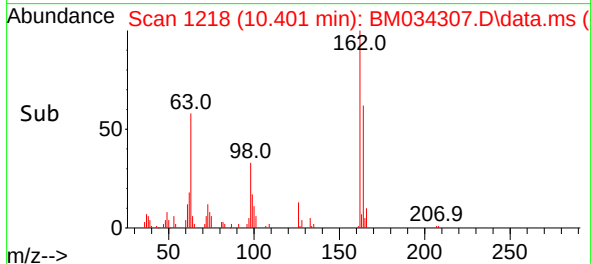
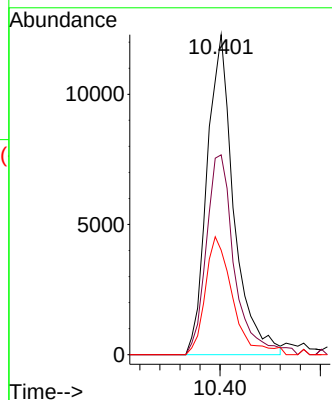
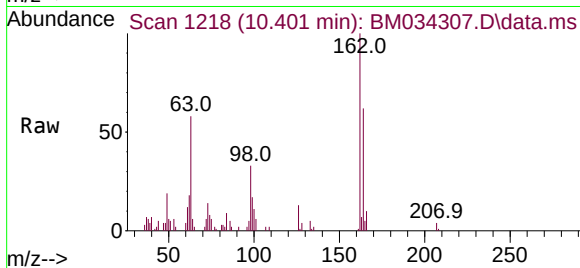
Tgt Ion:162 Resp: 22778

Ion Ratio Lower Upper

162 100

164 62.5 43.9 83.9

98 32.7 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 3.476 ng

RT: 10.619 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

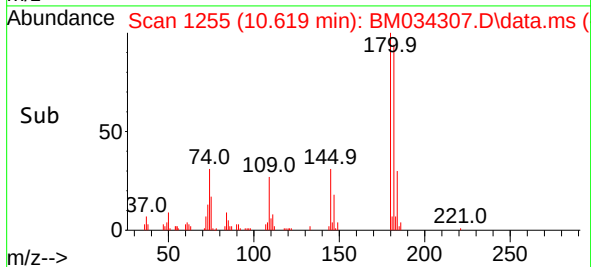
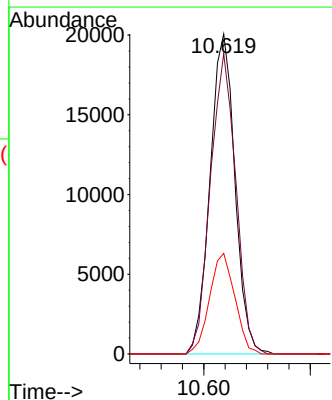
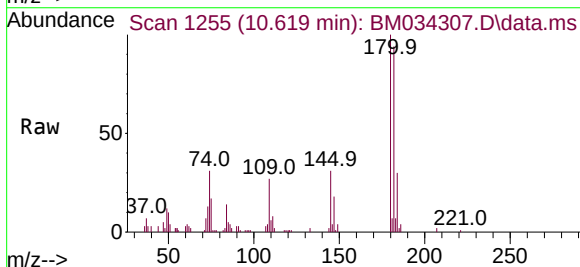
Tgt Ion:180 Resp: 32455

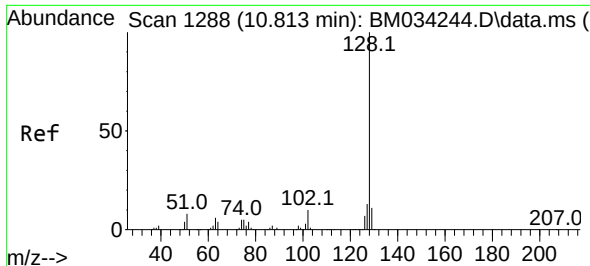
Ion Ratio Lower Upper

180 100

182 93.9 77.0 115.4

145 31.4 23.7 35.5

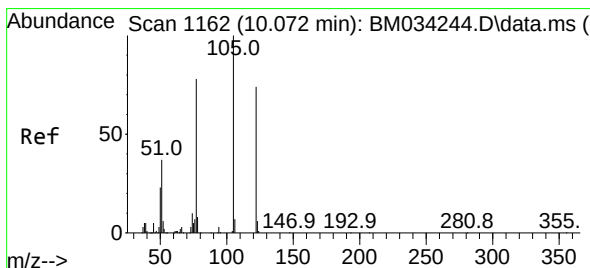
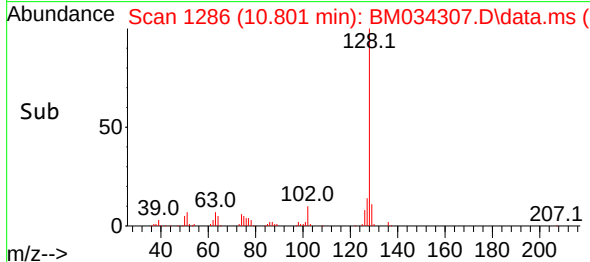
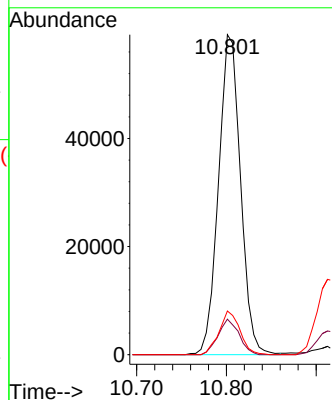
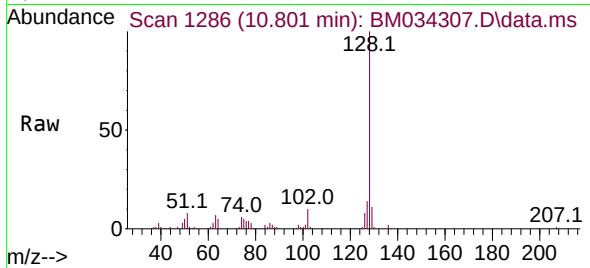




#31
Naphthalene
Concen: 3.648 ng
RT: 10.801 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

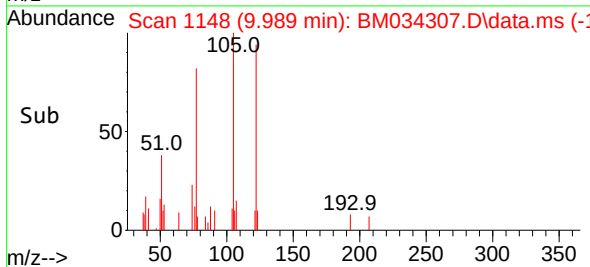
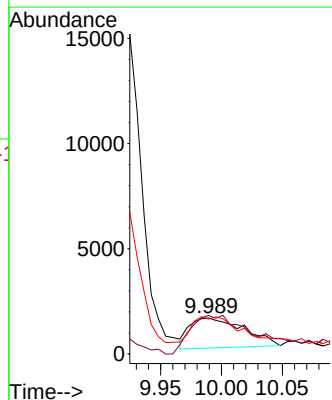
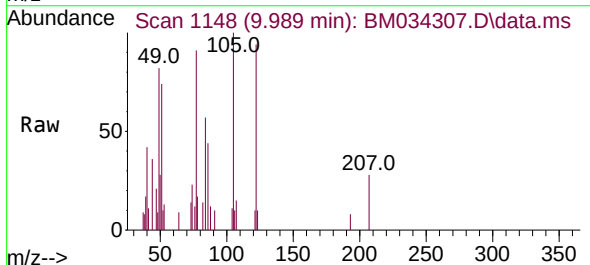
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

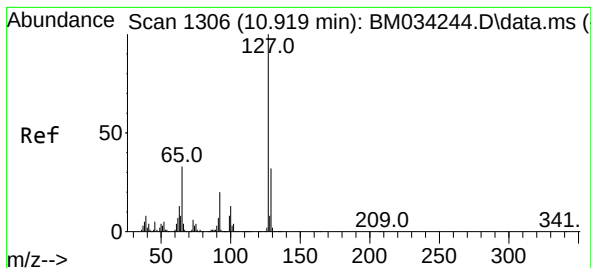
Tgt Ion:128 Resp: 100879
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.7 10.2 15.4



#32
Benzoic acid
Concen: 0.757 ng
RT: 9.989 min Scan# 1148
Delta R.T. -0.083 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:122 Resp: 4423
Ion Ratio Lower Upper
122 100
105 106.8 109.6 149.6#
77 97.1 83.1 123.1





#33

4-Chloroaniline

Concen: 3.099 ng

RT: 10.913 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:127 Resp: 33804

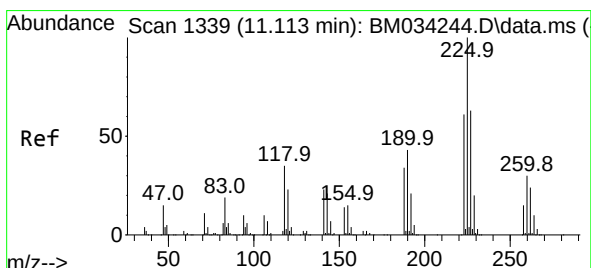
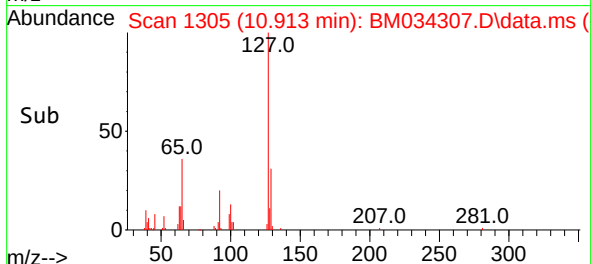
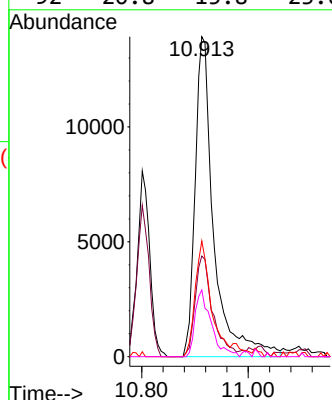
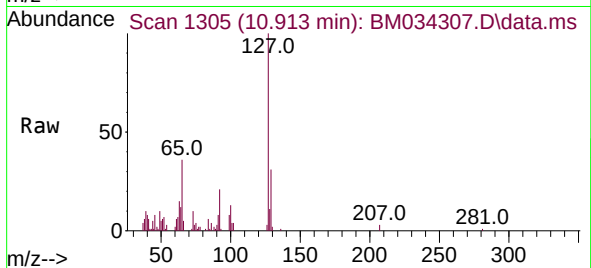
Ion Ratio Lower Upper

127 100

129 31.4 25.4 38.2

65 36.2 26.2 39.2

92 20.8 15.8 23.6



#34

Hexachlorobutadiene

Concen: 3.556 ng

RT: 11.101 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

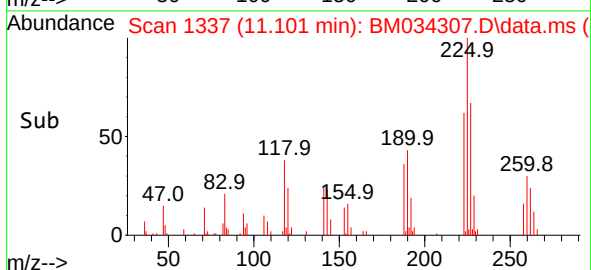
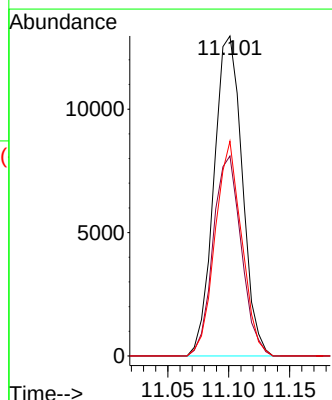
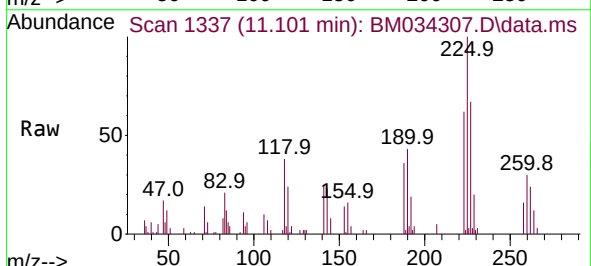
Tgt Ion:225 Resp: 21029

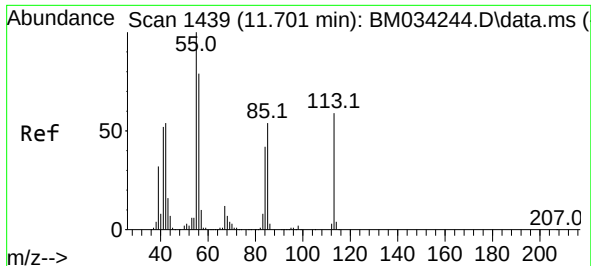
Ion Ratio Lower Upper

225 100

223 60.4 49.0 73.4

227 64.9 50.2 75.2

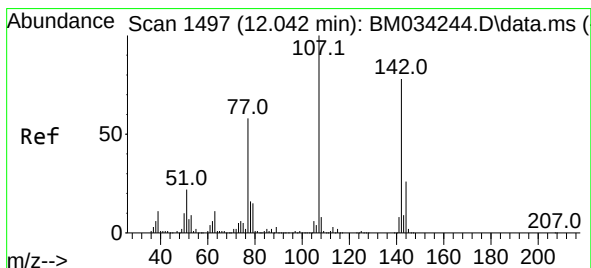
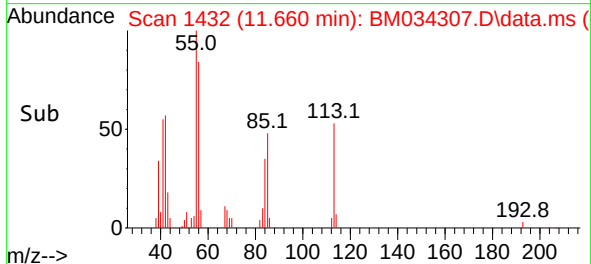
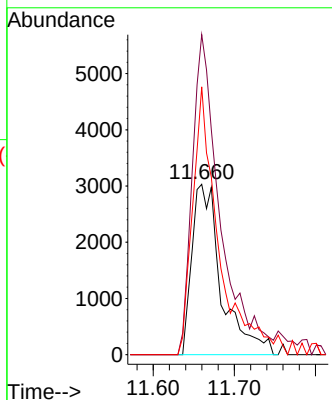
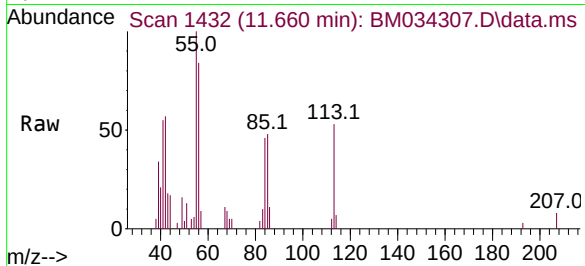




#35
Caprolactam
Concen: 2.668 ng
RT: 11.660 min Scan# 1432
Delta R.T. -0.041 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

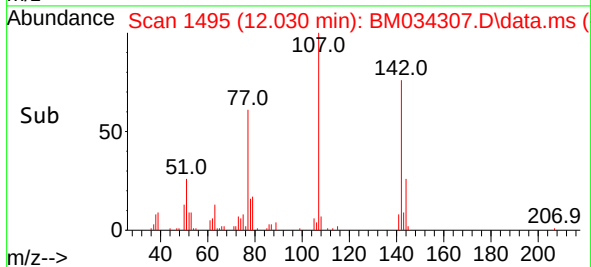
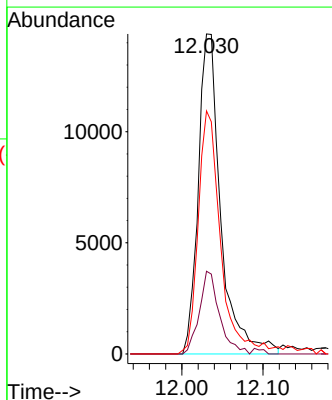
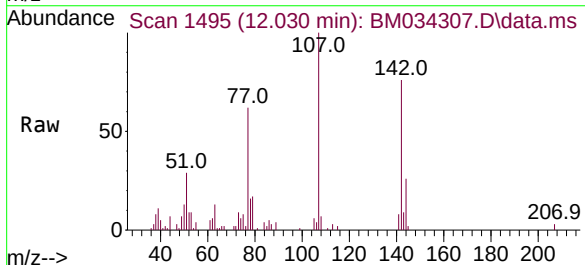
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

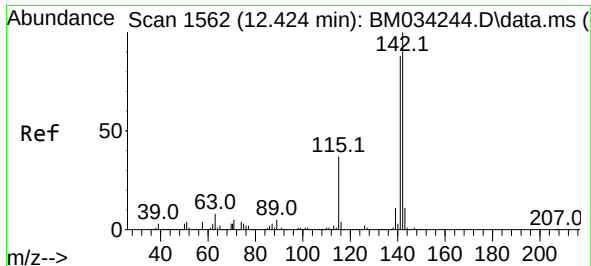
Tgt Ion:113 Resp: 7618
Ion Ratio Lower Upper
113 100
55 187.8 148.9 188.9
56 157.2 113.3 153.3#



#36
4-Chloro-3-methylphenol
Concen: 2.941 ng
RT: 12.030 min Scan# 1495
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:107 Resp: 27679
Ion Ratio Lower Upper
107 100
144 25.8 20.8 31.2
142 75.9 62.7 94.1

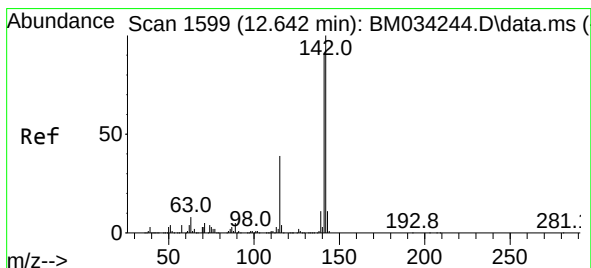
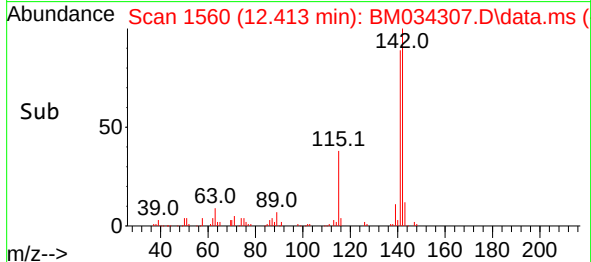
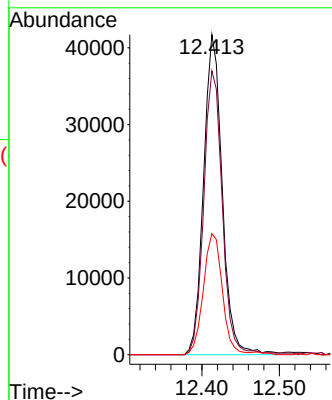
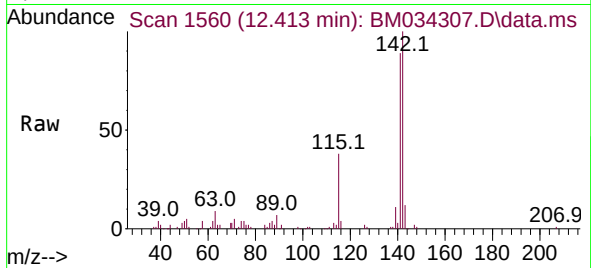




#37
2-Methylnaphthalene
Concen: 3.533 ng
RT: 12.413 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

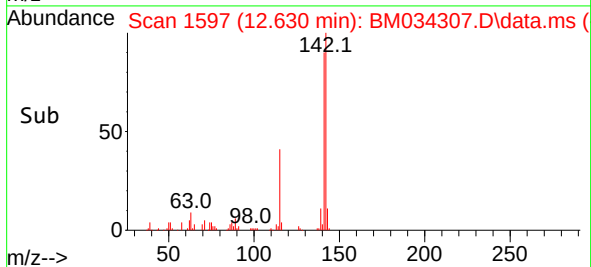
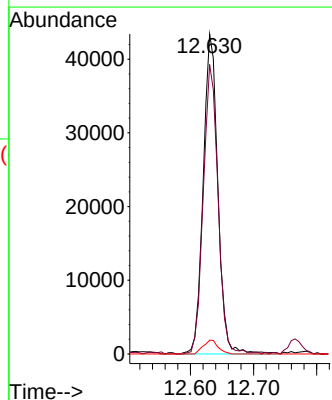
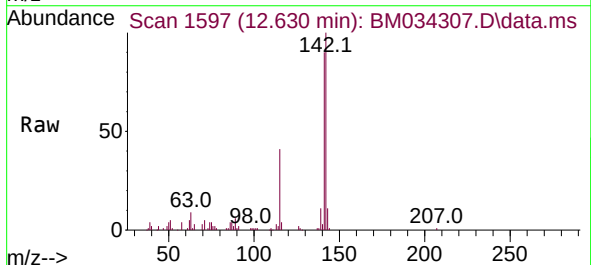
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

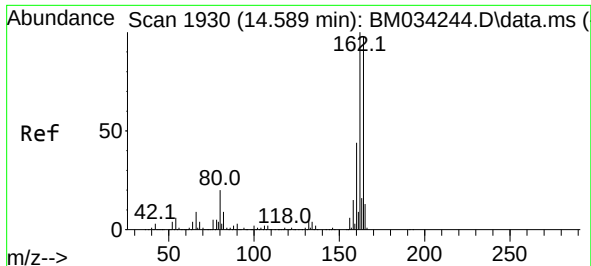
Tgt Ion:142 Resp: 69726
Ion Ratio Lower Upper
142 100
141 88.7 70.1 105.1
115 37.9 29.9 44.9



#38
1-Methylnaphthalene
Concen: 3.630 ng
RT: 12.630 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:142 Resp: 70081
Ion Ratio Lower Upper
142 100
141 90.5 73.0 109.6
116 4.3 3.2 4.8

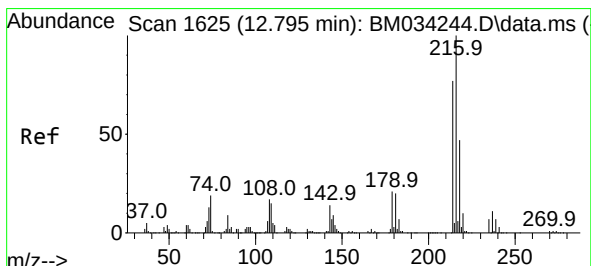
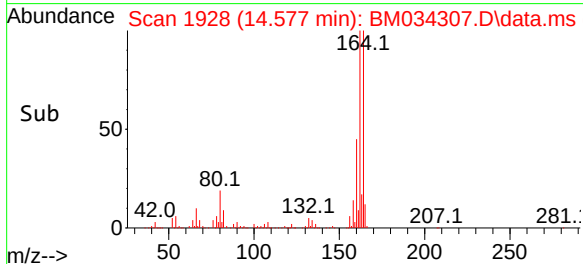
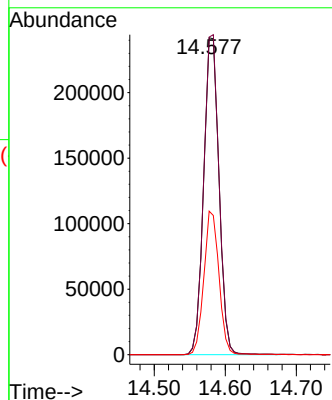
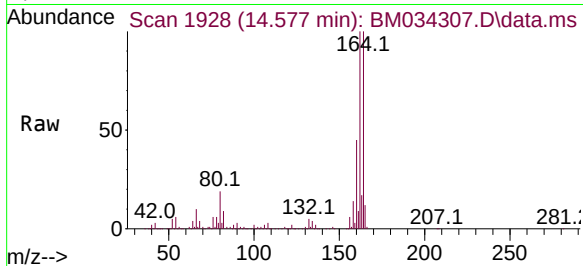




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

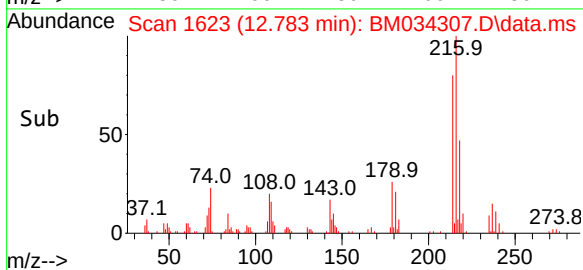
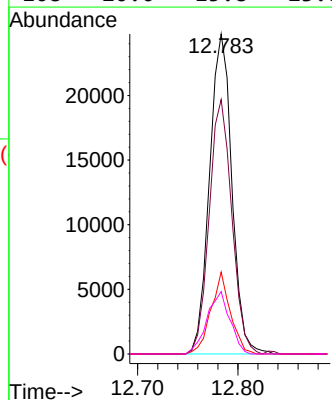
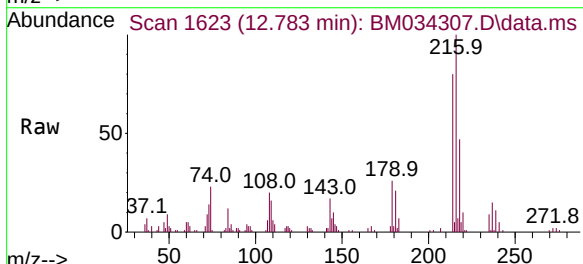
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

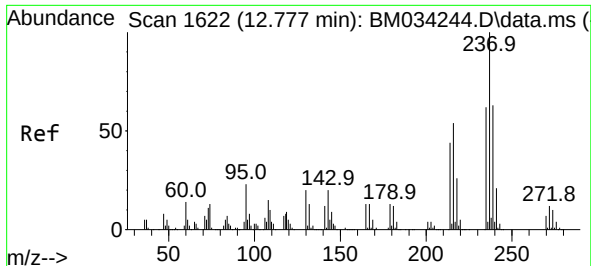
Tgt Ion:164 Resp: 364708
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 45.3 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.484 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:216 Resp: 38346
Ion Ratio Lower Upper
216 100
214 80.2 62.7 94.1
179 22.4 17.2 25.8
108 20.0 15.8 23.8

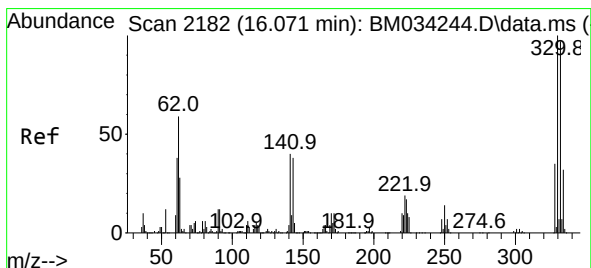
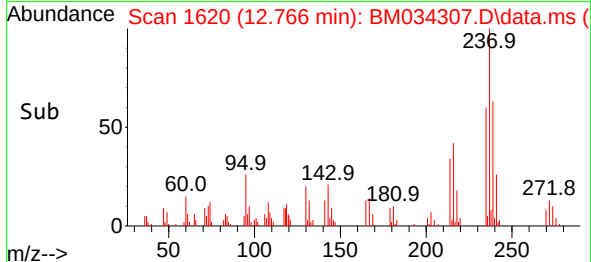
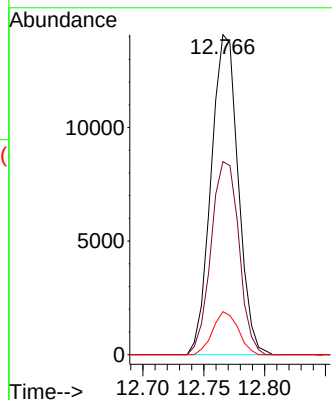
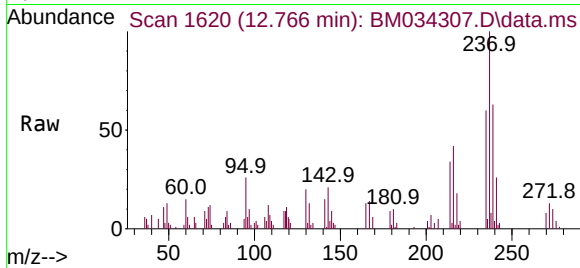




#41
Hexachlorocyclopentadiene
Concen: 3.427 ng
RT: 12.766 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

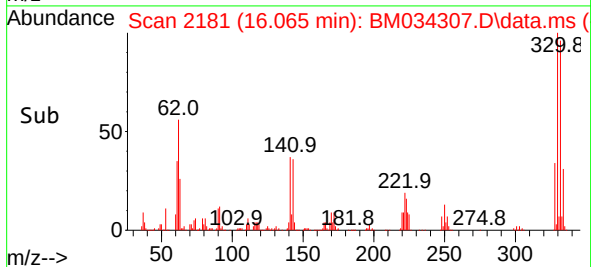
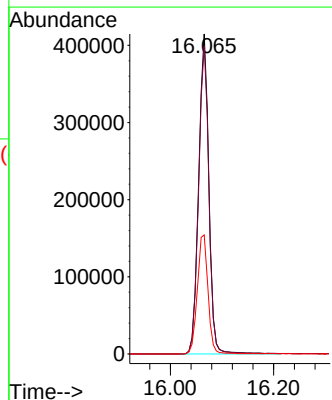
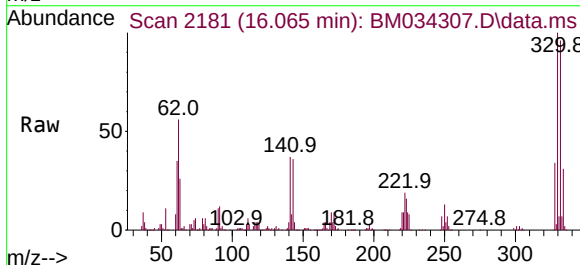
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

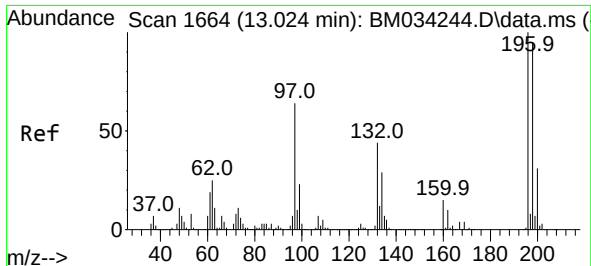
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.3	42.1	82.1
272	13.4	0.0	32.3



#42
2,4,6-Tribromophenol
Concen: 116.012 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.4
141	38.9	30.6	45.8

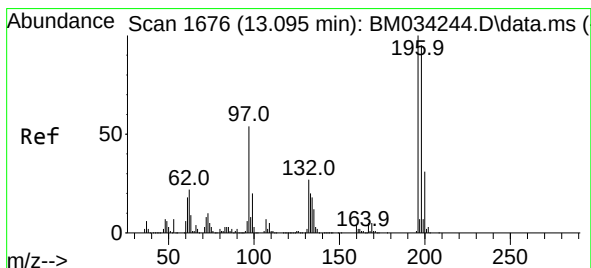
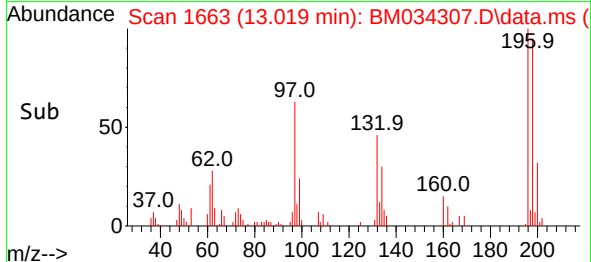
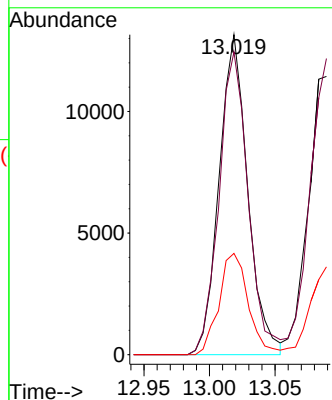
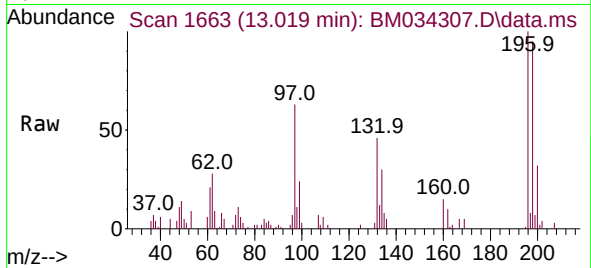




#43
2,4,6-Trichlorophenol
Concen: 2.625 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

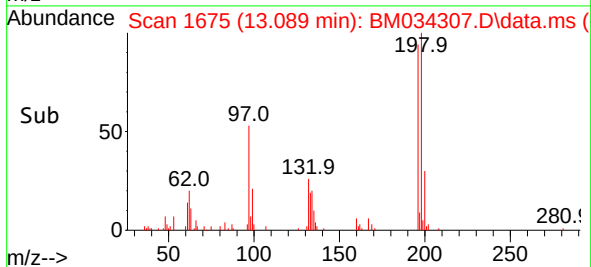
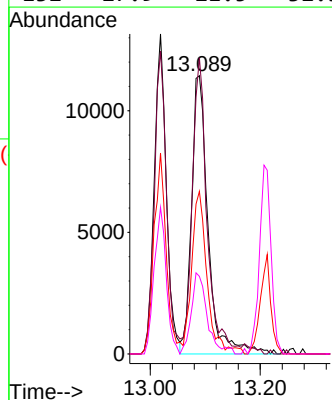
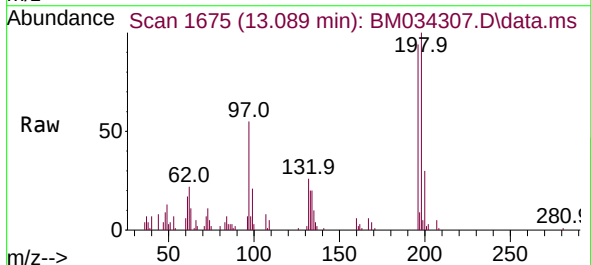
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

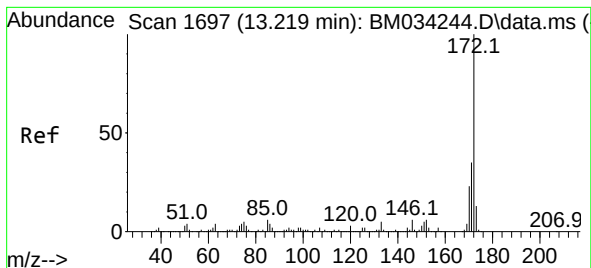
Tgt Ion:196 Resp: 19950
Ion Ratio Lower Upper
196 100
198 94.6 76.1 114.1
200 31.6 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 2.935 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:196 Resp: 23940
Ion Ratio Lower Upper
196 100
198 106.4 75.9 113.9
97 58.4 43.2 64.8
132 27.9 21.5 32.3





#45

2-Fluorobiphenyl

Concen: 82.108 ng

RT: 13.213 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

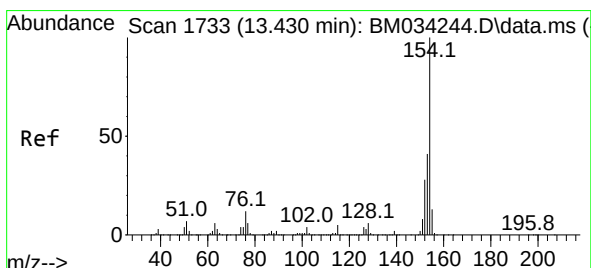
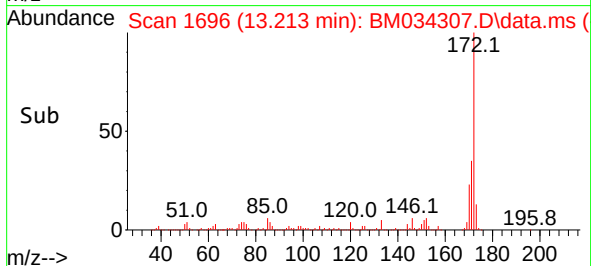
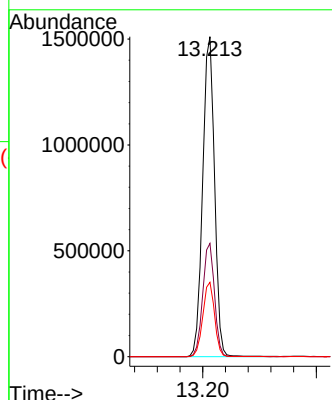
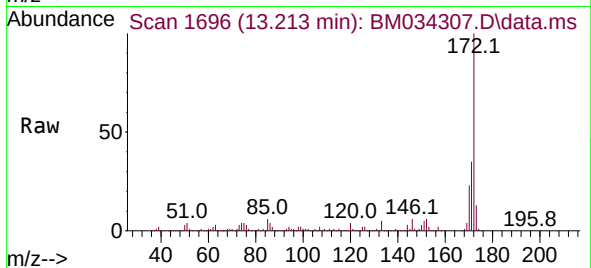
Tgt Ion:172 Resp: 2191405

Ion Ratio Lower Upper

172 100

171 35.4 28.0 42.0

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 3.625 ng

RT: 13.419 min Scan# 1731

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

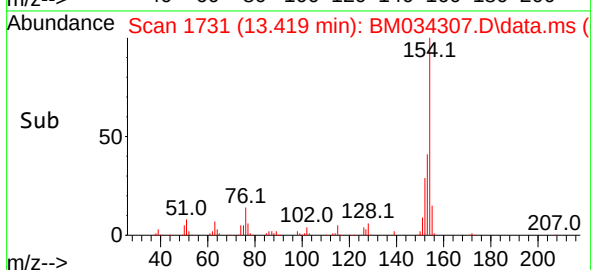
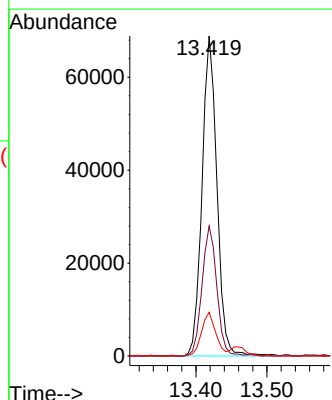
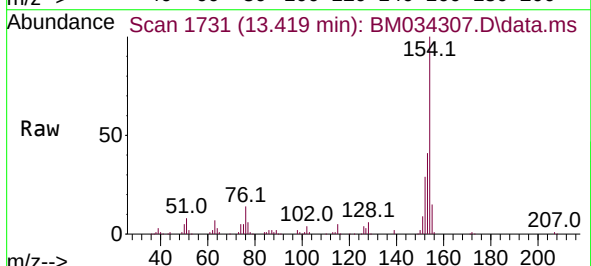
Tgt Ion:154 Resp: 100818

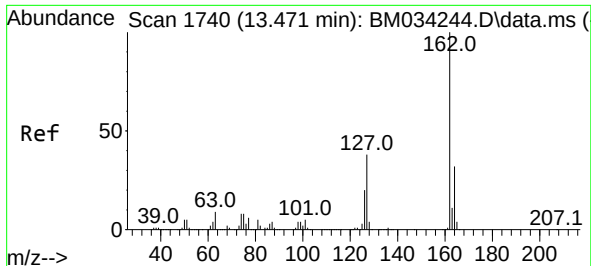
Ion Ratio Lower Upper

154 100

153 40.7 21.0 61.0

76 13.7 0.0 32.1

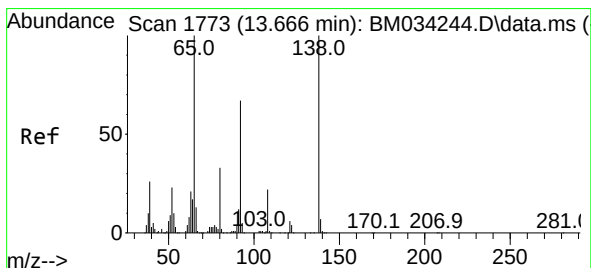
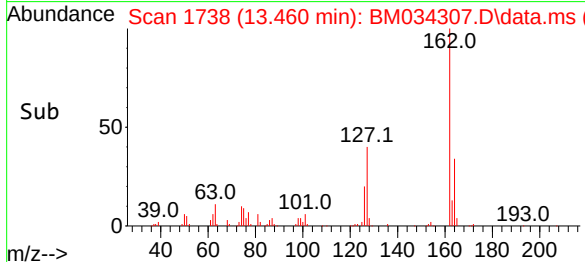
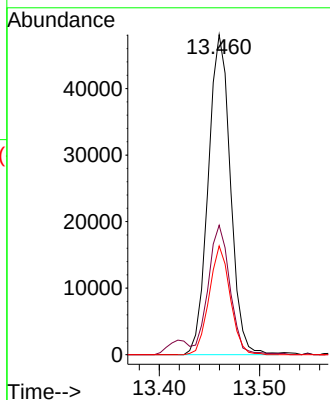
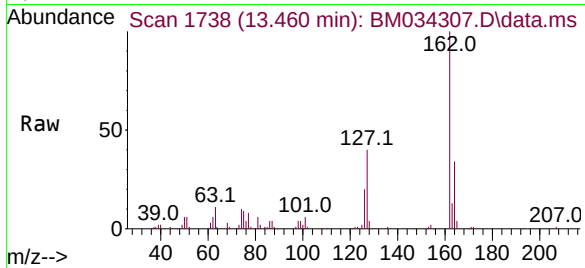




#47
2-Chloronaphthalene
Concen: 3.469 ng
RT: 13.460 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

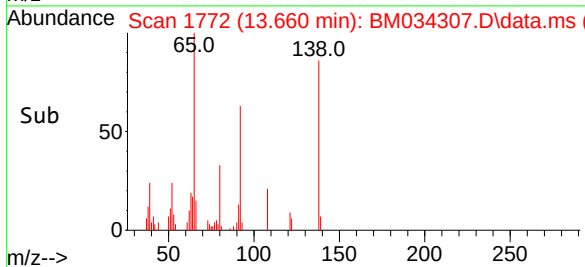
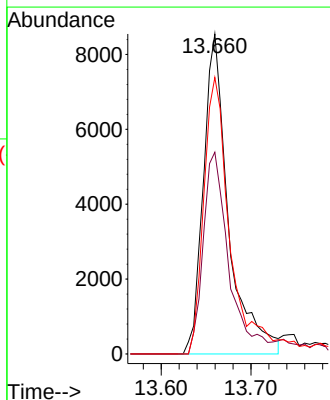
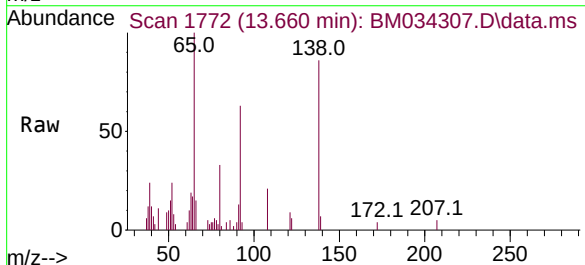
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

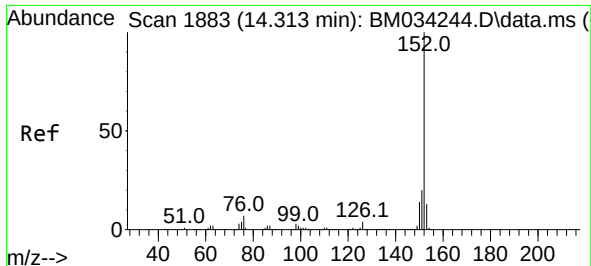
Tgt Ion:162 Resp: 74053
Ion Ratio Lower Upper
162 100
127 40.5 30.4 45.6
164 34.0 25.8 38.8



#48
2-Nitroaniline
Concen: 2.549 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 65 Resp: 16633
Ion Ratio Lower Upper
65 100
92 63.1 53.8 80.8
138 86.4 79.9 119.9

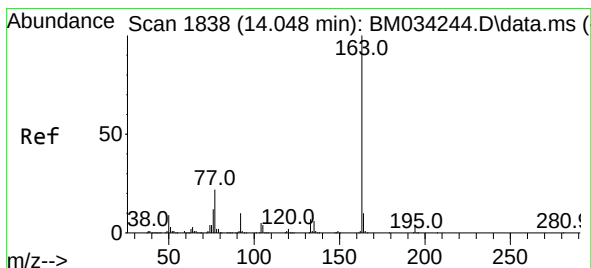
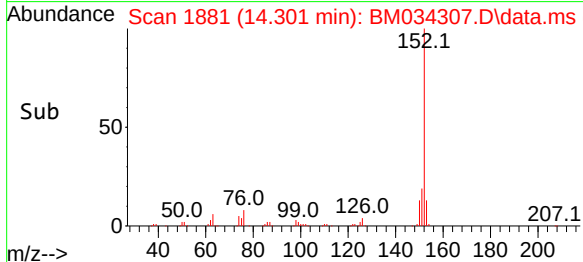
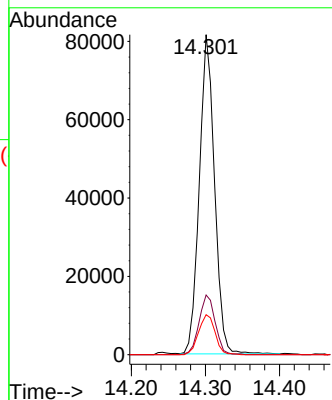
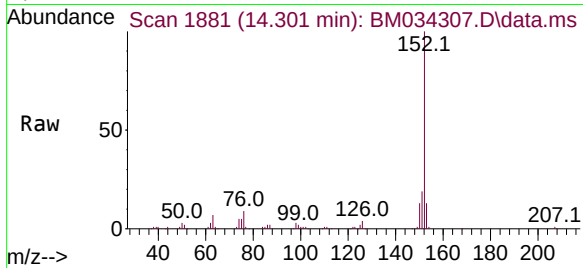




#49
Acenaphthylene
Concen: 3.490 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

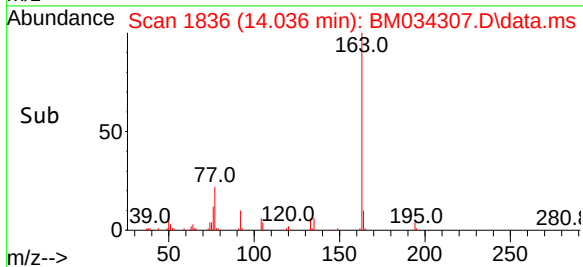
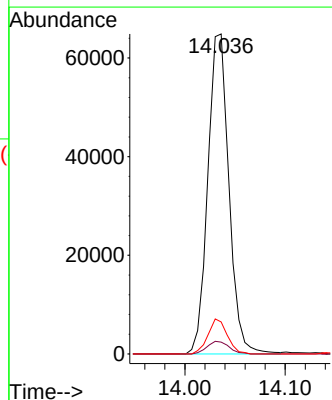
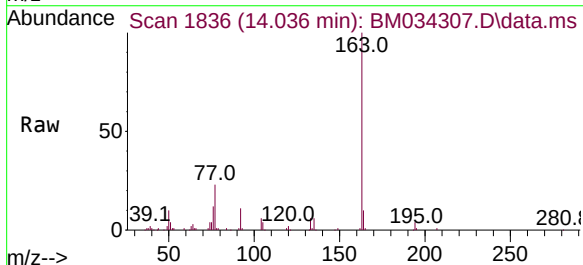
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

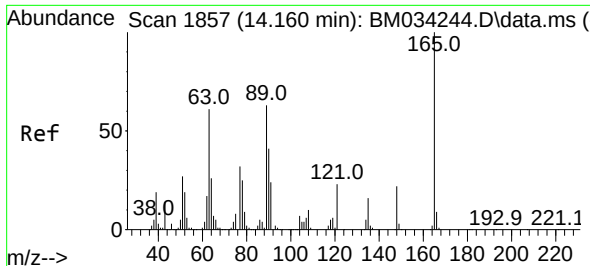
Tgt Ion:152 Resp: 116107
Ion Ratio Lower Upper
152 100
151 18.6 15.9 23.9
153 12.5 10.6 16.0



#50
Dimethylphthalate
Concen: 3.426 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:163 Resp: 95096
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.1 12.1

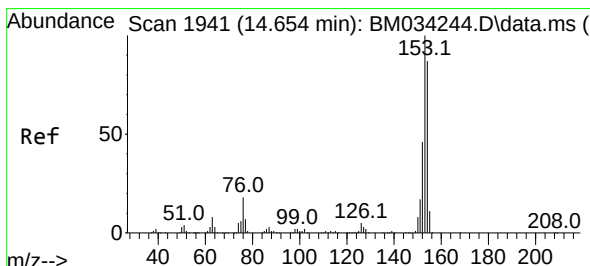
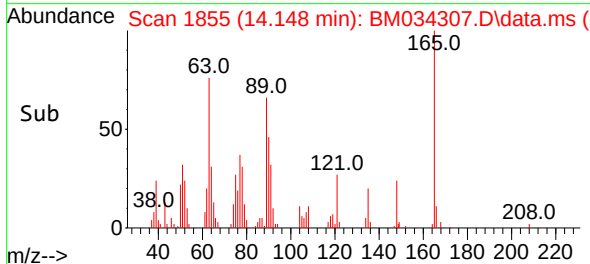
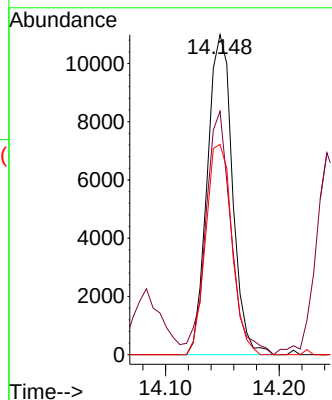
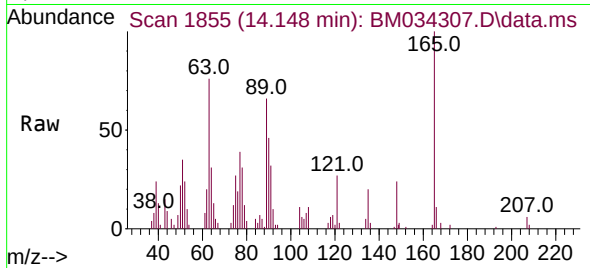




#51
2,6-Dinitrotoluene
Concen: 2.967 ng
RT: 14.148 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

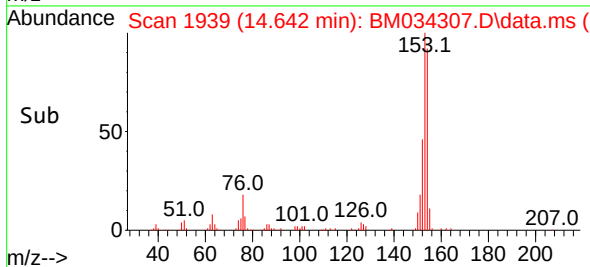
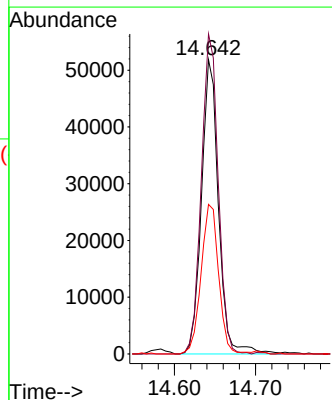
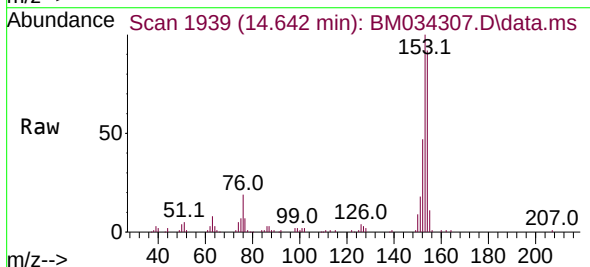
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

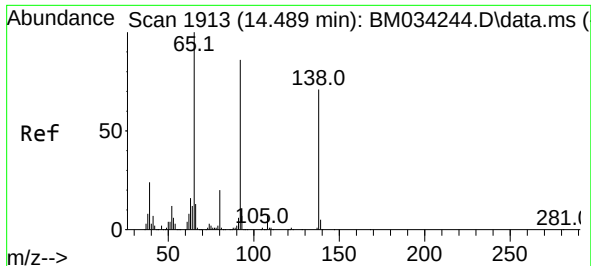
Tgt Ion:165 Resp: 16890
Ion Ratio Lower Upper
165 100
63 76.1 51.9 77.9
89 65.7 50.6 76.0



#52
Acenaphthene
Concen: 3.371 ng
RT: 14.642 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:154 Resp: 75539
Ion Ratio Lower Upper
154 100
153 108.7 91.8 137.8
152 50.9 42.6 64.0

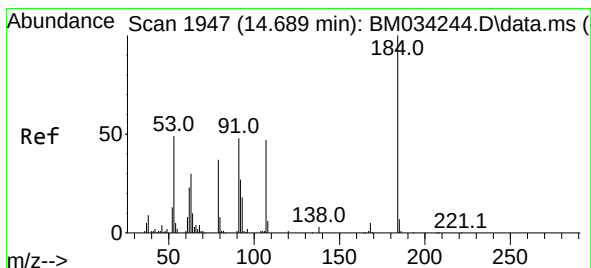
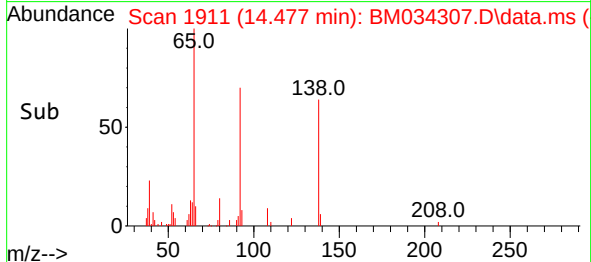
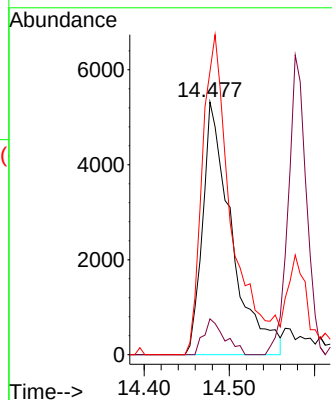
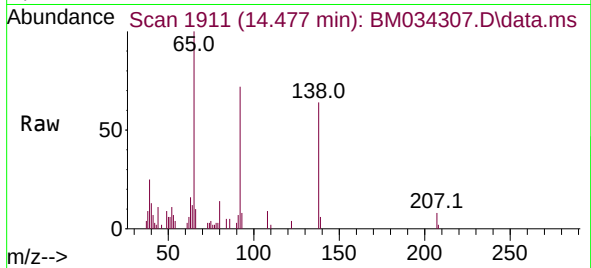




#53
3-Nitroaniline
Concen: 2.198 ng
RT: 14.477 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

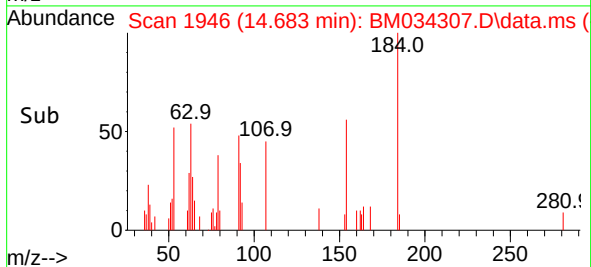
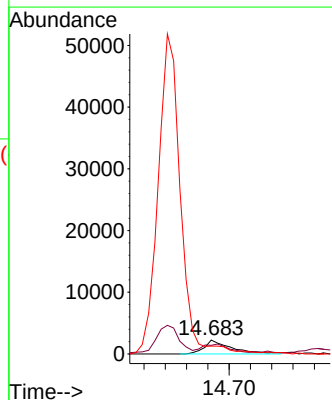
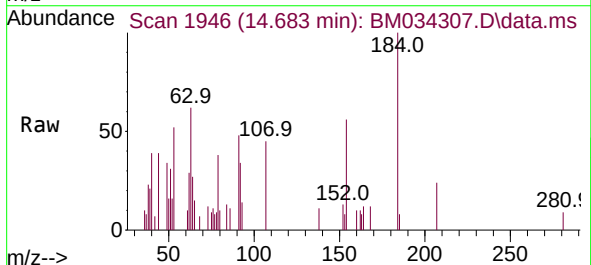
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

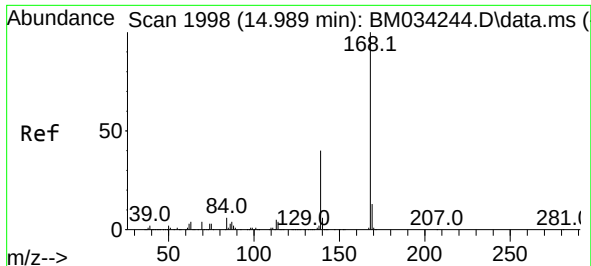
Tgt Ion:138 Resp: 12555
Ion Ratio Lower Upper
138 100
108 14.2 8.3 12.5#
92 112.1 97.6 146.4



#54
2,4-Dinitrophenol
Concen: 1.260 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:184 Resp: 4018
Ion Ratio Lower Upper
184 100
63 62.0 58.3 87.5
154 55.8 52.6 78.8

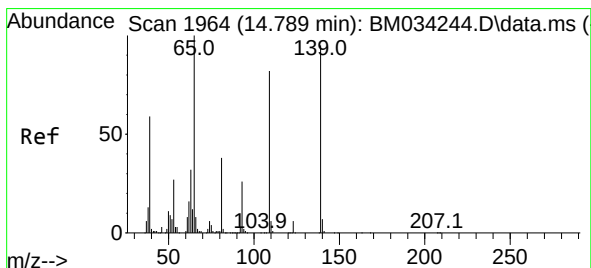
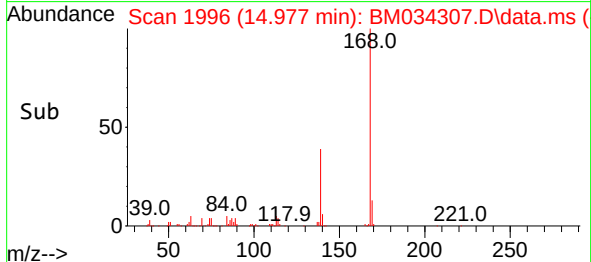
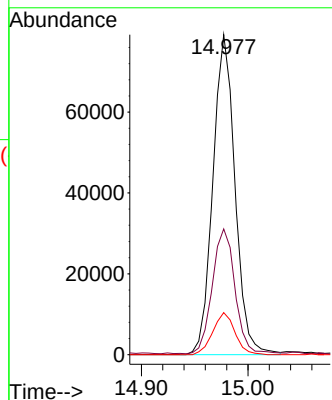
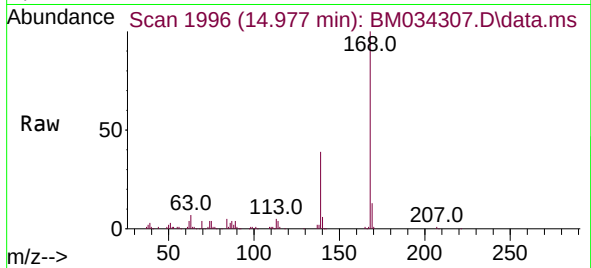




#55
Dibenzofuran
Concen: 3.420 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

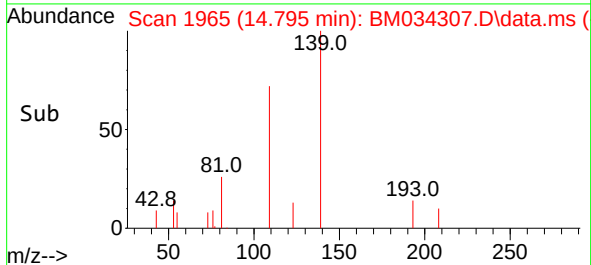
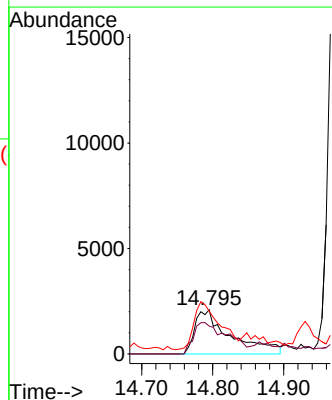
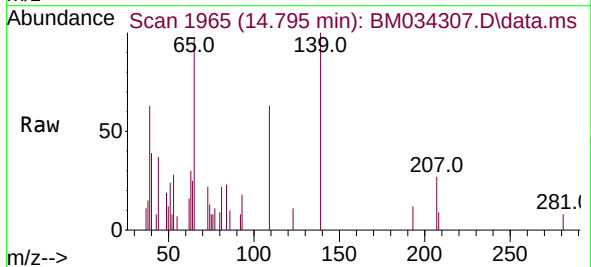
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

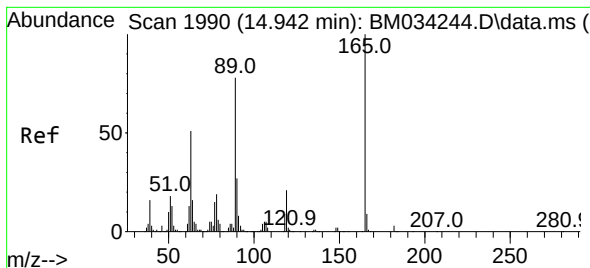
Tgt Ion:168 Resp: 114226
Ion Ratio Lower Upper
168 100
139 39.3 32.4 48.6
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 1.558 ng
RT: 14.795 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:139 Resp: 7213
Ion Ratio Lower Upper
139 100
109 63.0 66.3 106.3#
65 97.2 85.5 125.5





#57

2,4-Dinitrotoluene

Concen: 2.794 ng

RT: 14.936 min Scan# 1990

Delta R.T. -0.006 min

Lab File: BM034307.D

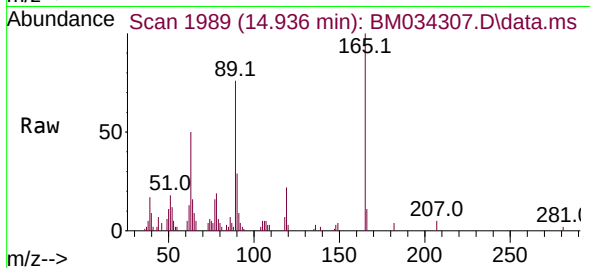
Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:165 Resp: 21500

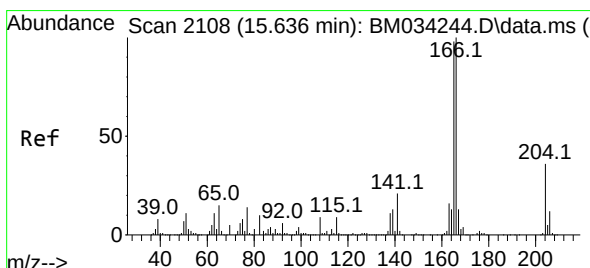
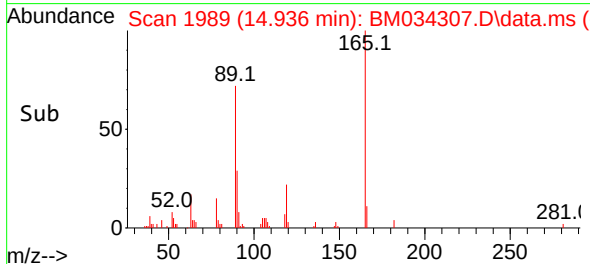
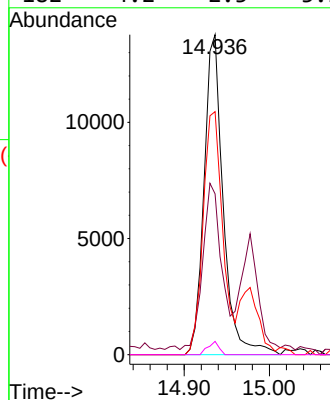
Ion Ratio Lower Upper

165 100

63 50.2 40.6 61.0

89 76.0 62.7 94.1

182 4.2 2.3 3.5#



#58

Fluorene

Concen: 3.383 ng

RT: 15.624 min Scan# 2106

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

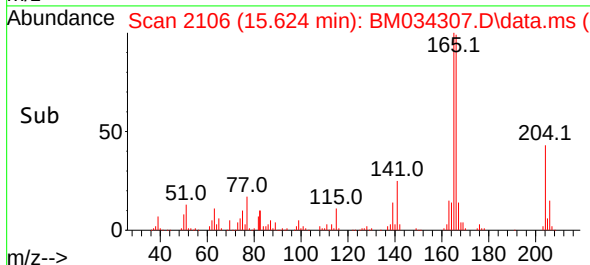
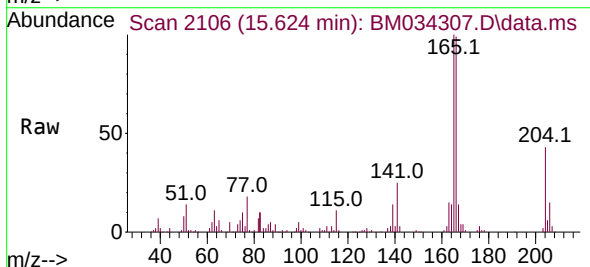
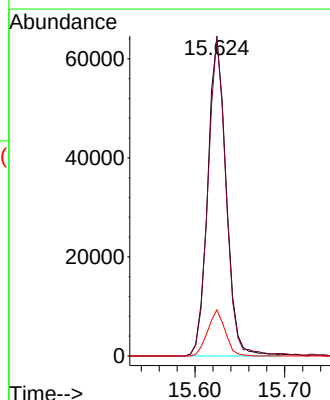
Tgt Ion:166 Resp: 91724

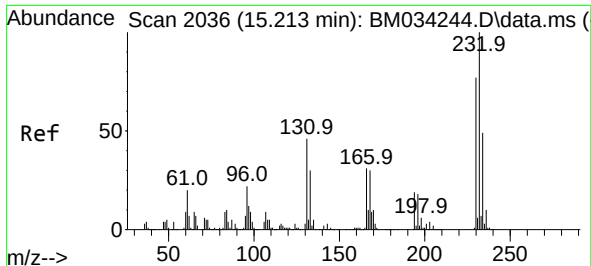
Ion Ratio Lower Upper

166 100

165 101.0 78.0 117.0

167 14.5 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 2.857 ng

RT: 15.201 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:232 Resp: 21011

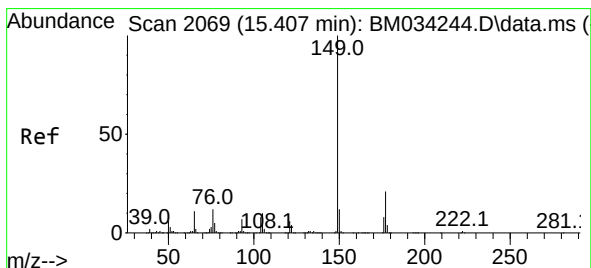
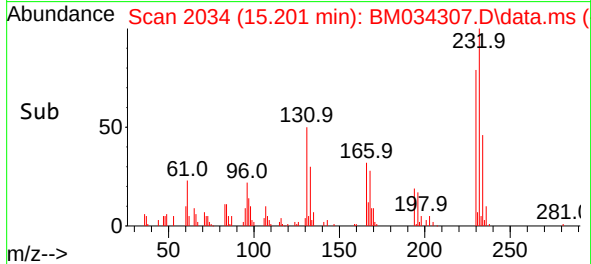
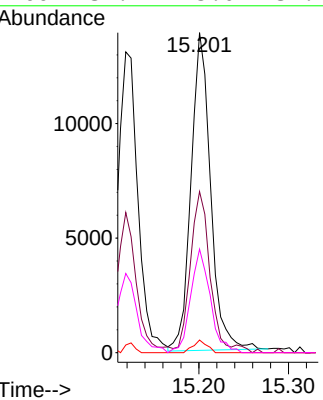
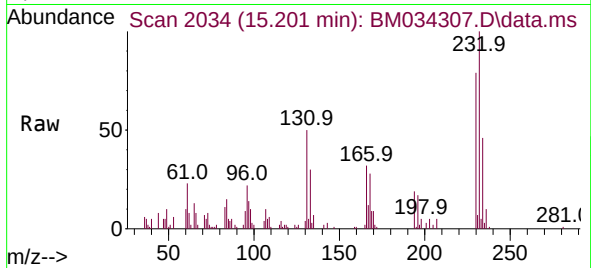
Ion Ratio Lower Upper

232 100

131 51.6 38.0 57.0

130 2.8 2.2 3.2

166 32.7 25.0 37.4



#60

Diethylphthalate

Concen: 3.432 ng

RT: 15.395 min Scan# 2067

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

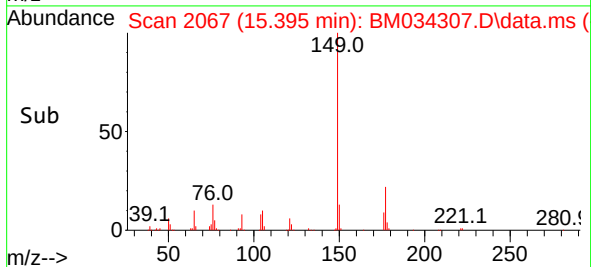
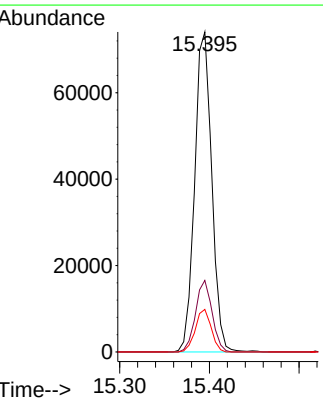
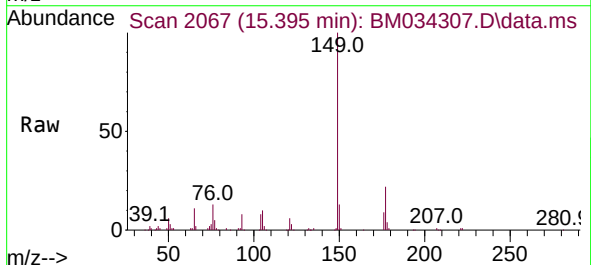
Tgt Ion:149 Resp: 97730

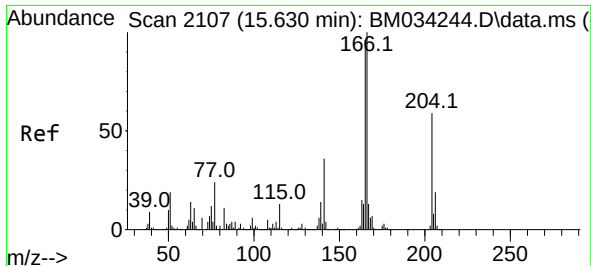
Ion Ratio Lower Upper

149 100

177 22.4 17.1 25.7

150 13.3 9.9 14.9

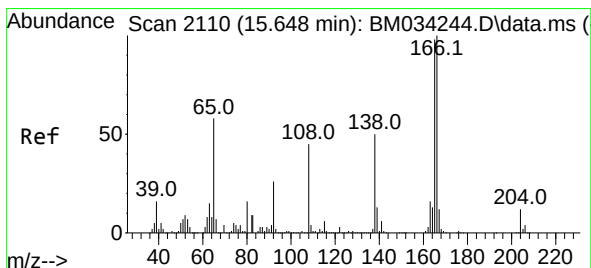
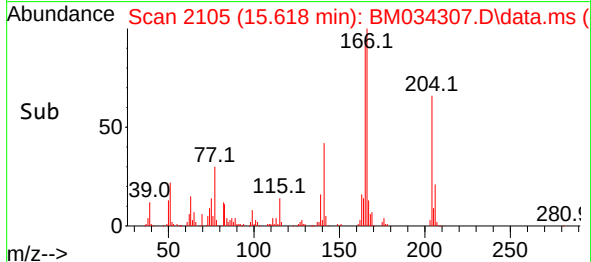
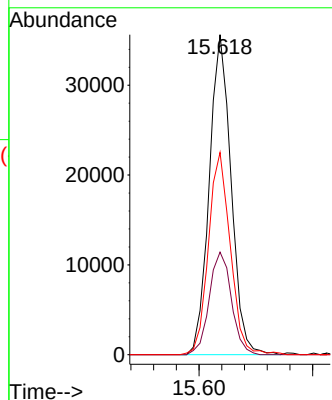
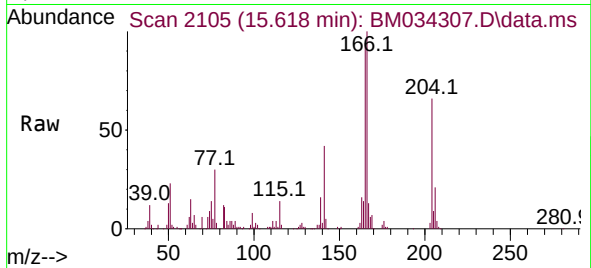




#61
4-Chlorophenyl-phenylether
Concen: 3.435 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

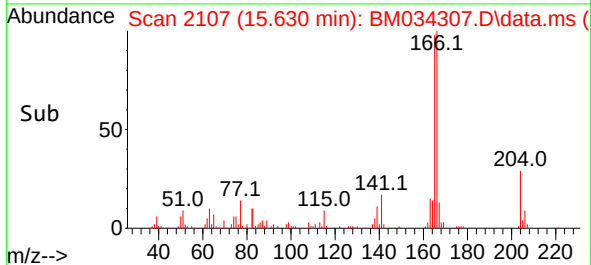
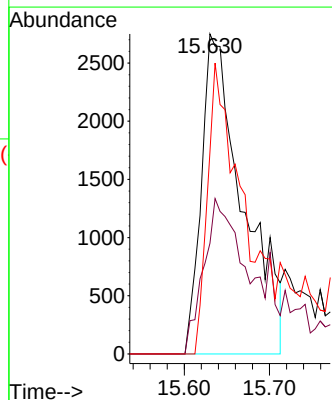
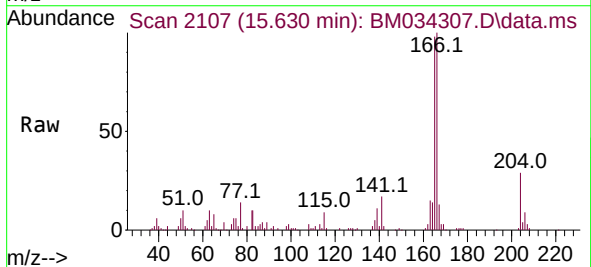
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

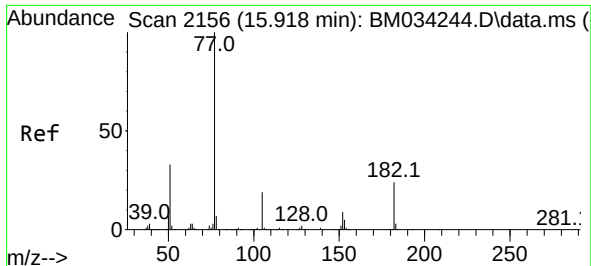
Tgt Ion:204 Resp: 47543
Ion Ratio Lower Upper
204 100
206 32.1 26.4 39.6
141 63.2 49.4 74.2



#62
4-Nitroaniline
Concen: 1.702 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:138 Resp: 9351
Ion Ratio Lower Upper
138 100
92 34.6 32.6 72.6
108 63.2 69.8 109.8#

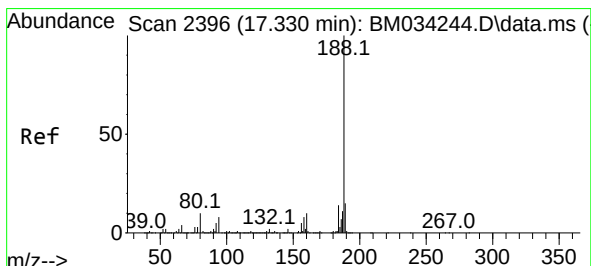
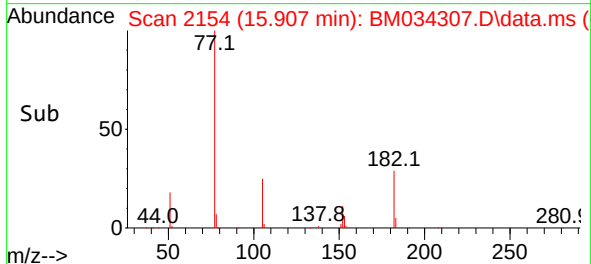
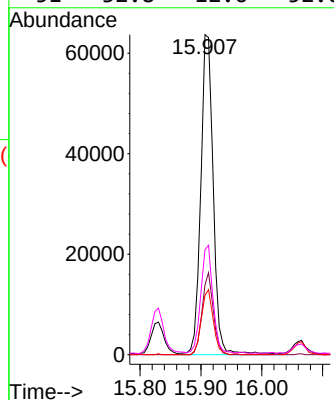
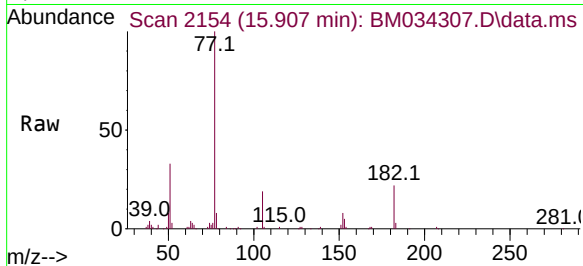




#63
Azobenzene
Concen: 3.327 ng
RT: 15.907 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

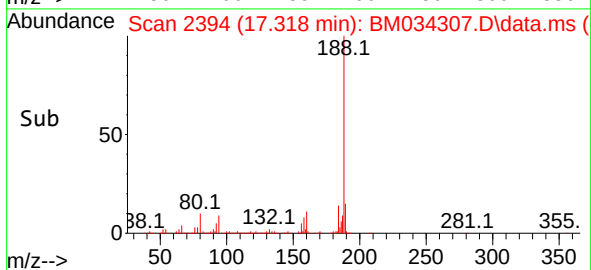
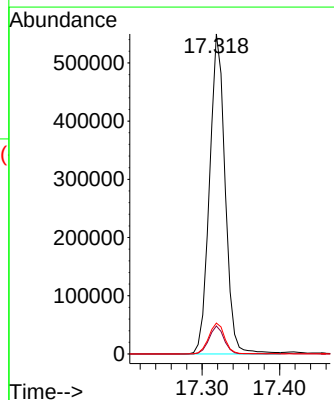
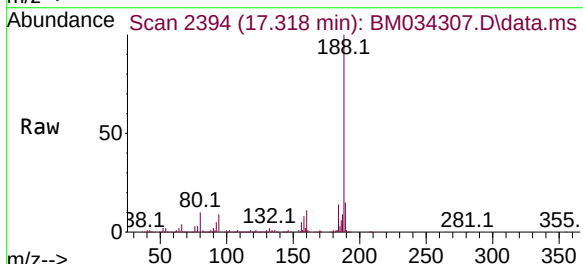
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

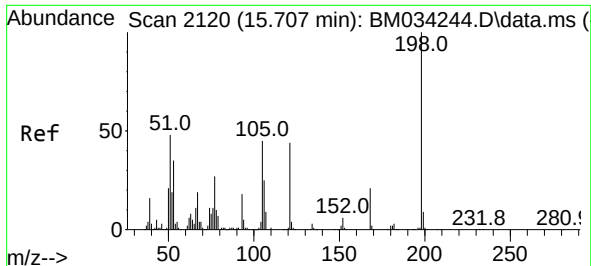
Tgt Ion: 77	Resp: 91365
Ion Ratio	Lower Upper
77 100	
182 21.8	4.4 44.4
105 18.6	0.0 38.7
51 32.8	12.6 52.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 188	Resp: 770186
Ion Ratio	Lower Upper
188 100	
94 8.8	6.6 9.8
80 9.7	7.8 11.8

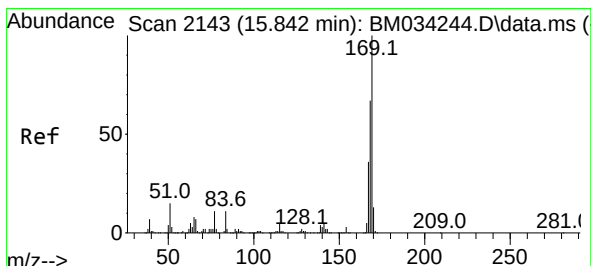
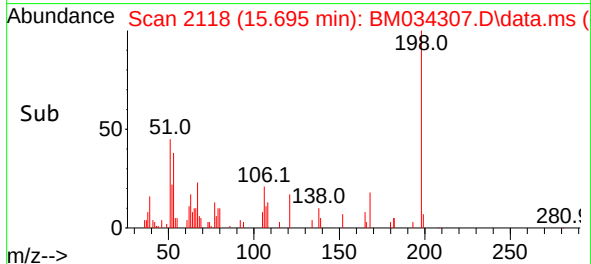
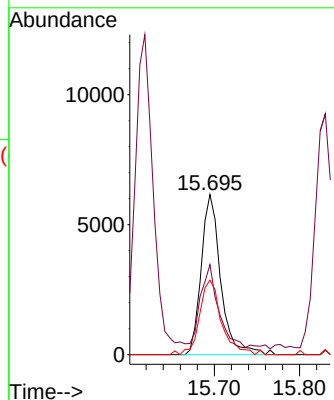
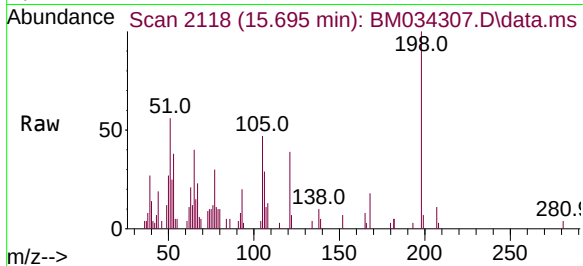




#65
4,6-Dinitro-2-methylphenol
Concen: 1.953 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

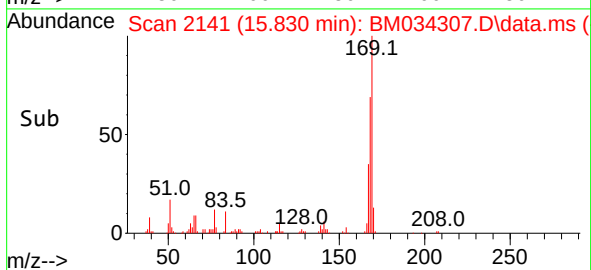
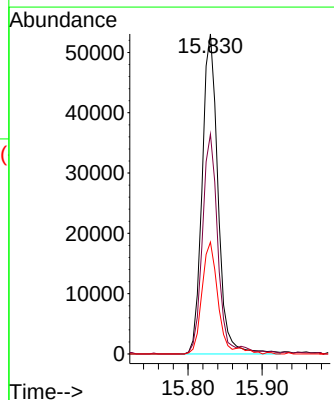
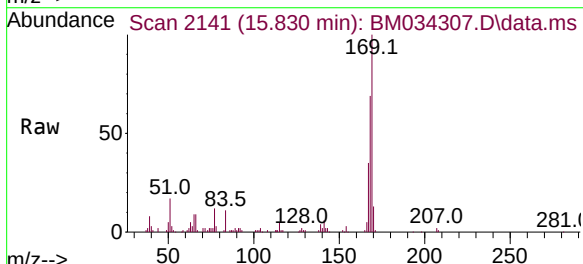
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

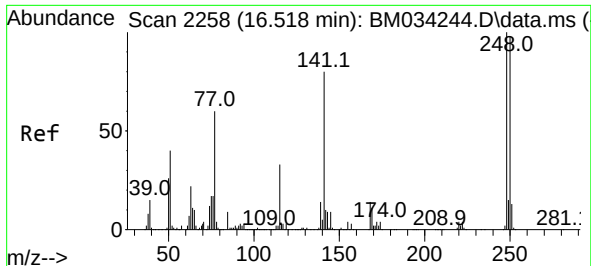
Tgt Ion:	198	Resp:	9779
Ion	Ratio	Lower	Upper
198	100		
51	56.3	29.0	69.0
105	46.6	25.3	65.3



#66
n-Nitrosodiphenylamine
Concen: 3.228 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:	169	Resp:	78989
Ion	Ratio	Lower	Upper
169	100		
168	68.7	53.9	80.9
167	34.9	29.0	43.4

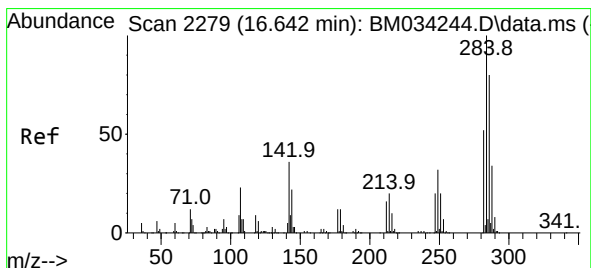
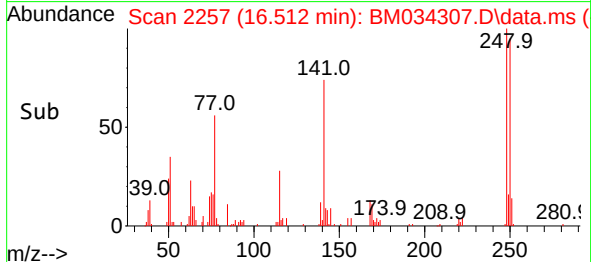
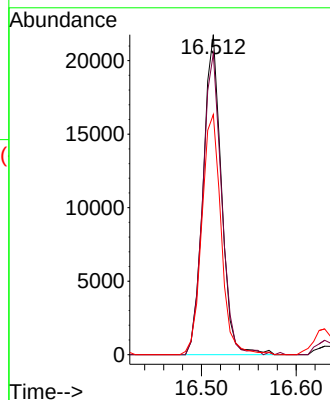
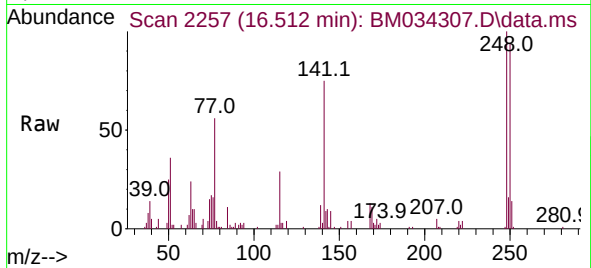




#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

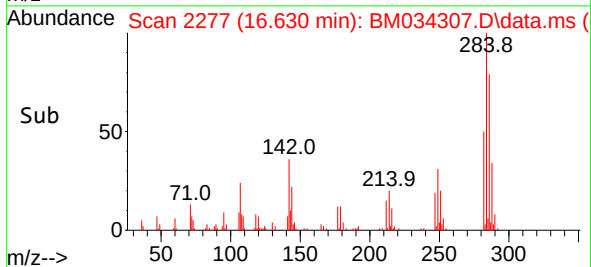
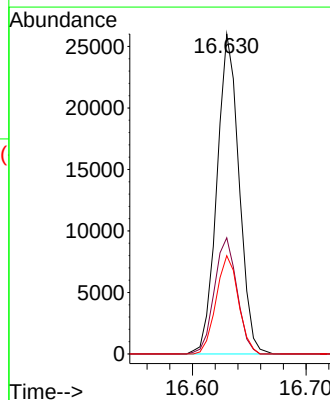
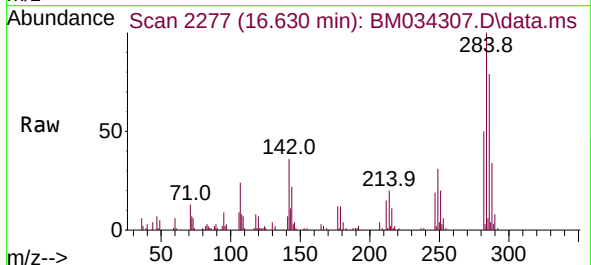
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

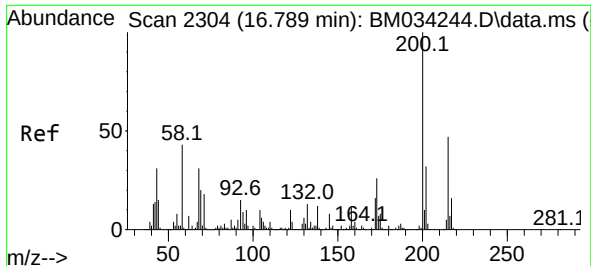
Tgt Ion:	248	Resp:	29081
Ion Ratio	Lower	Upper	
248	100		
250	94.1	78.0	117.0
141	75.0	63.8	95.6



#68
Hexachlorobenzene
Concen: 3.568 ng
RT: 16.630 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:	284	Resp:	35236
Ion Ratio	Lower	Upper	
284	100		
142	36.3	28.9	43.3
249	30.7	25.4	38.0

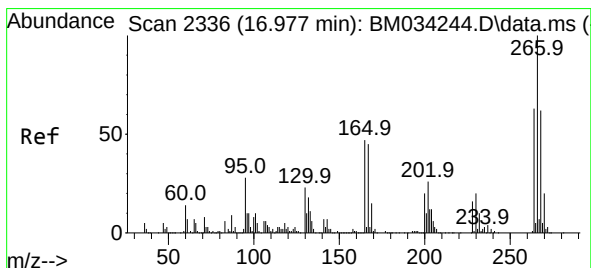
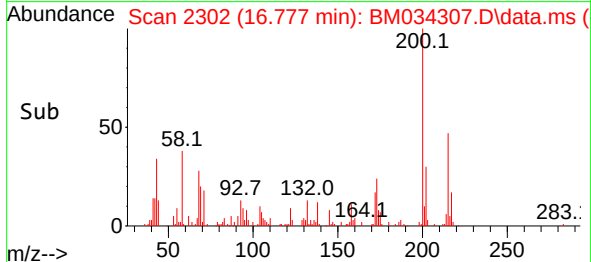
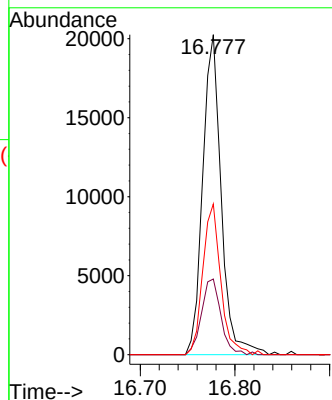
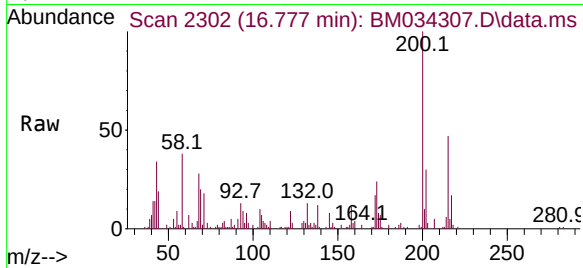




#69
 Atrazine
 Concen: 3.403 ng
 RT: 16.777 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

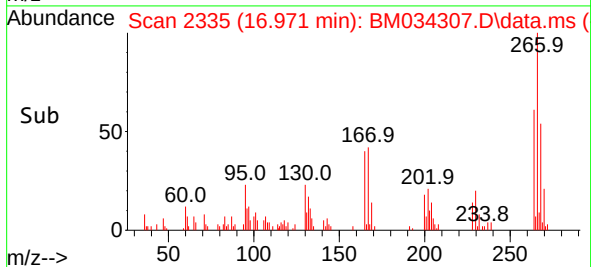
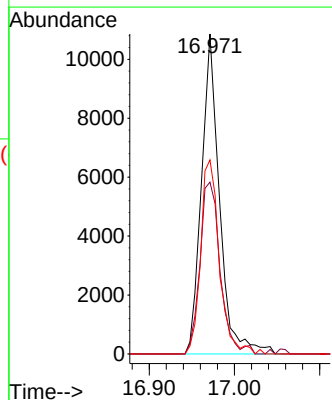
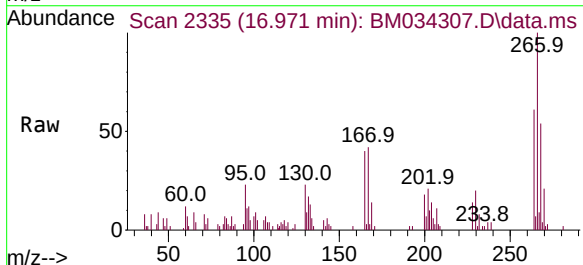
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

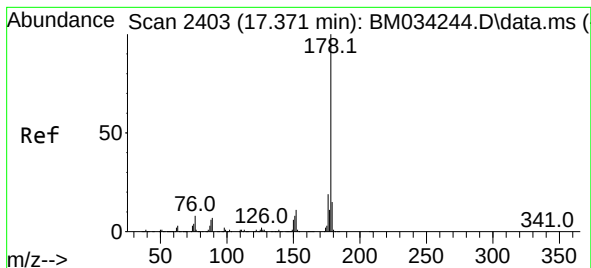
Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.7	6.1	46.1
215	47.1	27.4	67.4



#70
 Pentachlorophenol
 Concen: 2.532 ng
 RT: 16.971 min Scan# 2335
 Delta R.T. -0.006 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

Tgt Ion	Ratio	Lower	Upper
266	100		
268	53.7	49.8	74.8
264	60.7	50.3	75.5





#71

Phenanthrene

Concen: 3.547 ng

RT: 17.359 min Scan# 2401

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

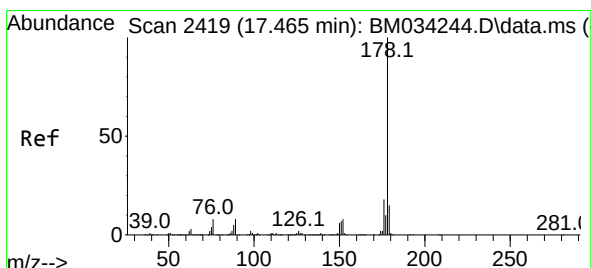
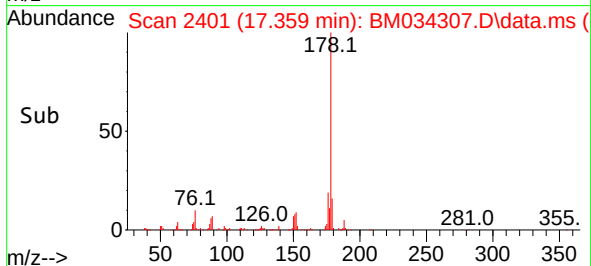
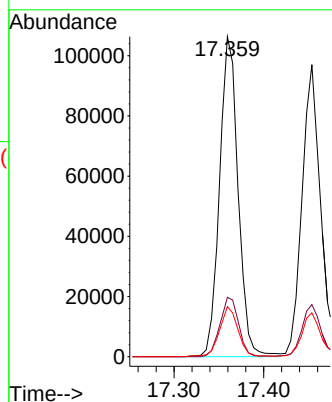
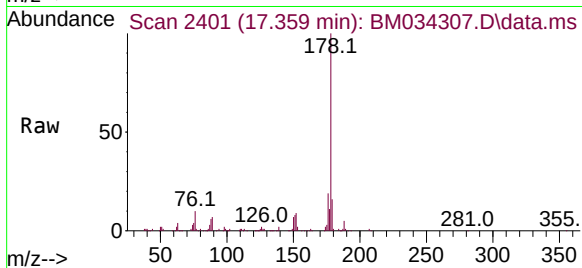
Tgt Ion:178 Resp: 153002

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 15.6 12.2 18.4



#72

Anthracene

Concen: 3.502 ng

RT: 17.454 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

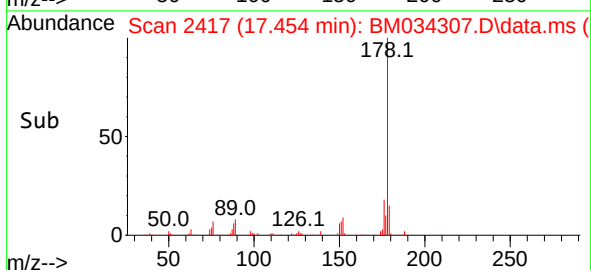
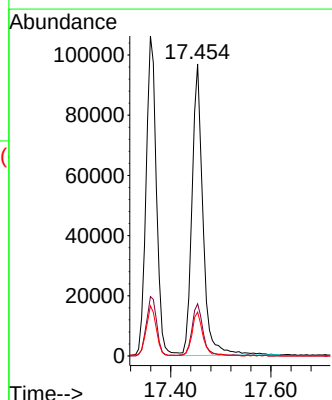
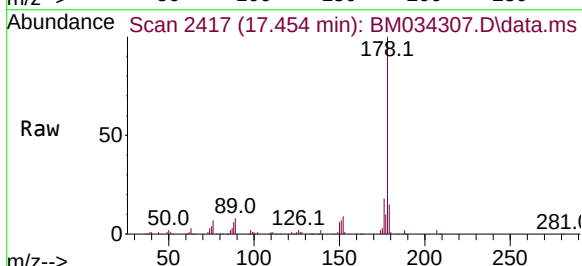
Tgt Ion:178 Resp: 147034

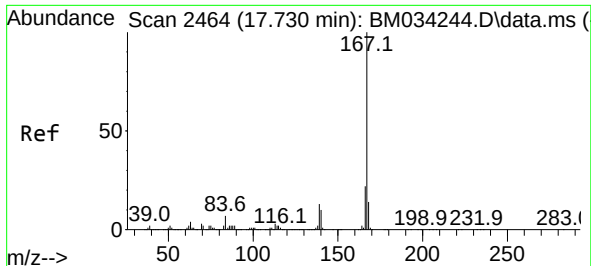
Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

179 15.0 12.2 18.2

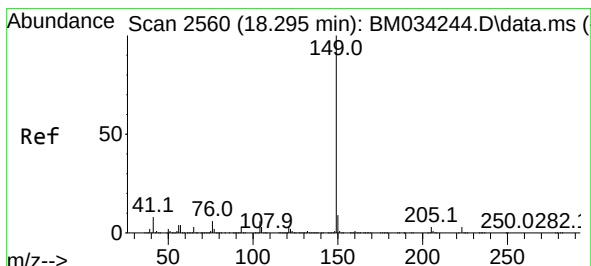
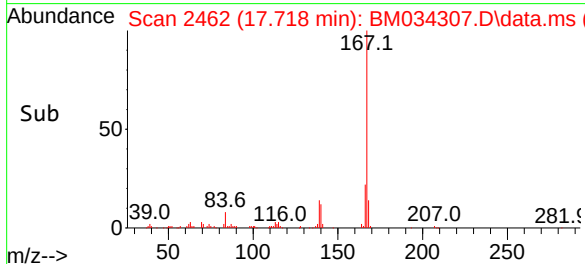
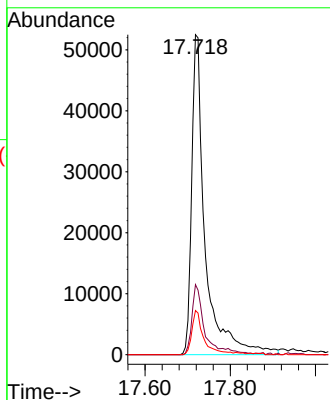
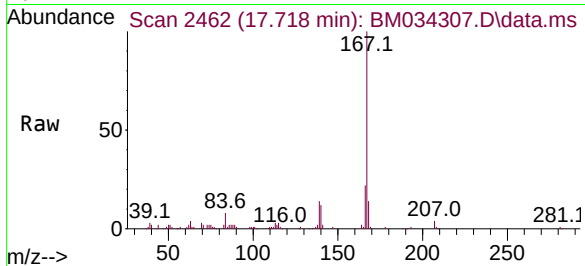




#73
 Carbazole
 Concen: 2.949 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

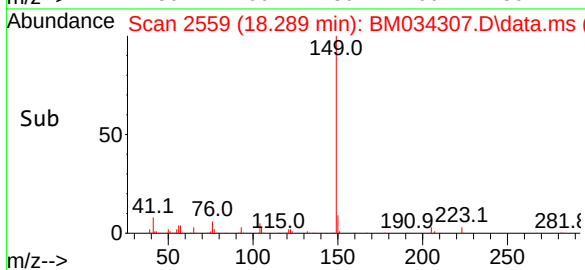
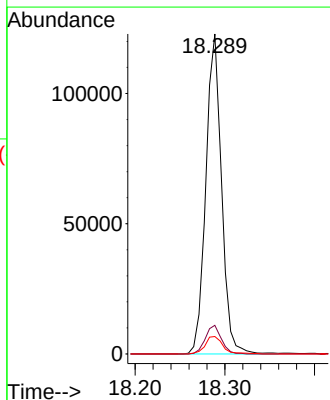
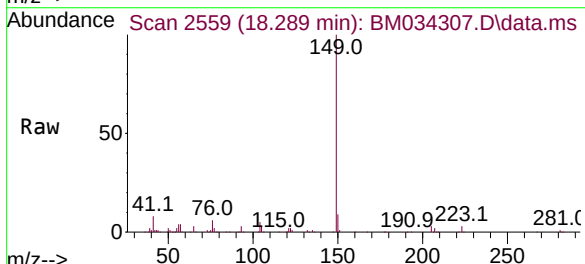
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

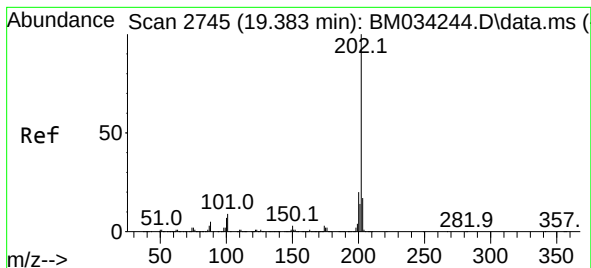
Tgt Ion:167 Resp: 115446
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.8 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 3.067 ng
 RT: 18.289 min Scan# 2559
 Delta R.T. -0.006 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

Tgt Ion:149 Resp: 149282
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.6 11.4
 104 5.5 4.7 7.1





#75

Fluoranthene

Concen: 3.544 ng

RT: 19.371 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

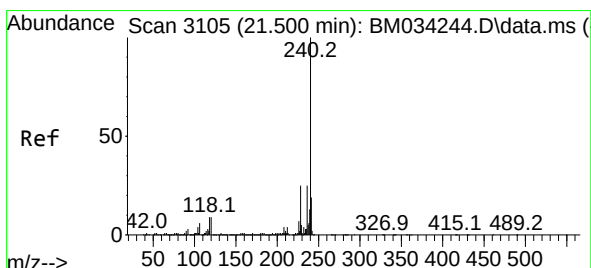
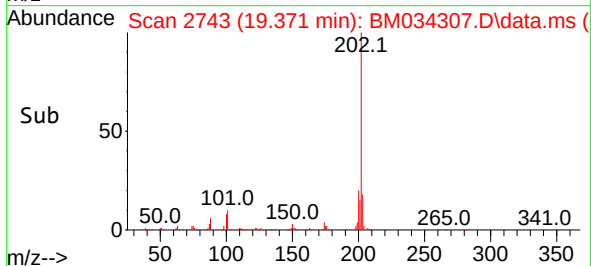
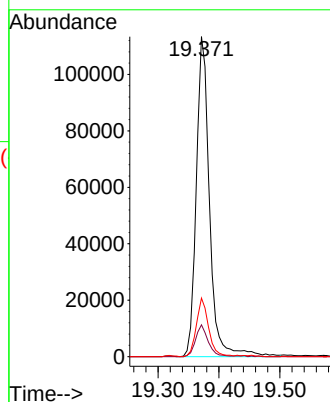
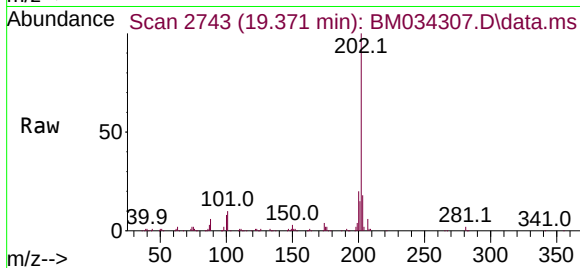
Tgt Ion:202 Resp: 171341

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.4

203 18.3 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3103

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

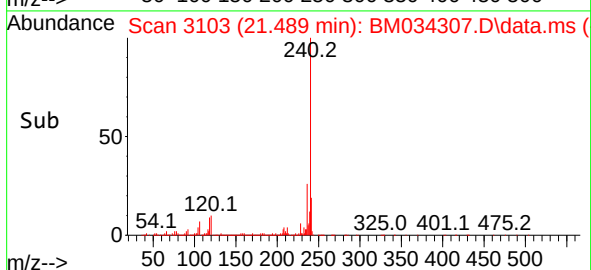
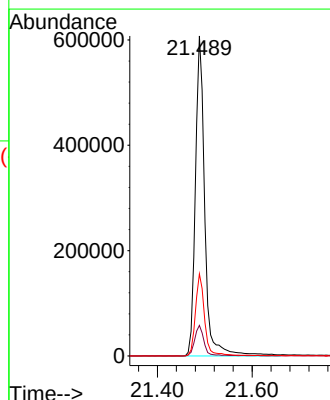
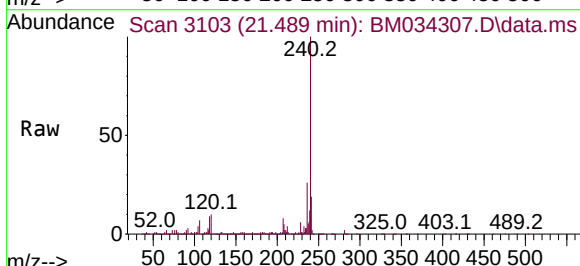
Tgt Ion:240 Resp: 839130

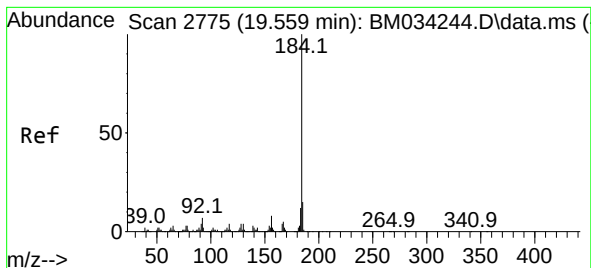
Ion Ratio Lower Upper

240 100

120 9.6 7.3 10.9

236 25.6 20.2 30.2





#77

Benzidine

Concen: 0.813 ng

RT: 19.565 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

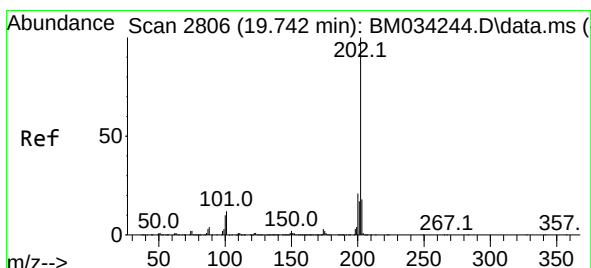
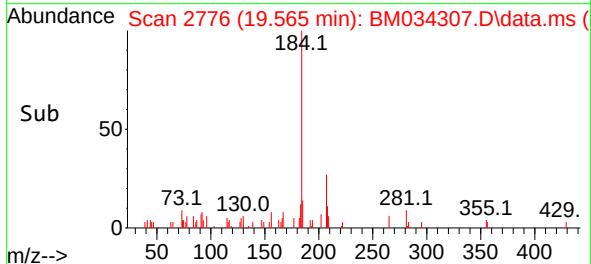
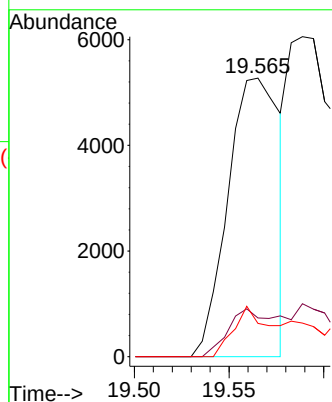
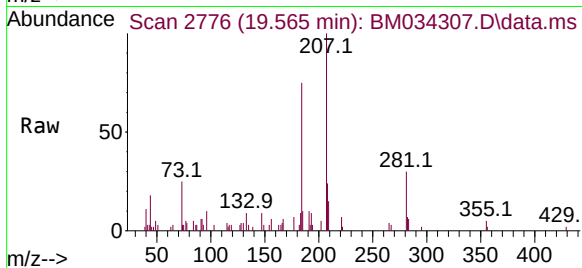
Tgt Ion:184 Resp: 10003

Ion Ratio Lower Upper

184 100

185 13.9 11.7 17.5

183 12.0 9.8 14.6



#78

Pyrene

Concen: 3.107 ng

RT: 19.736 min Scan# 2805

Delta R.T. -0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

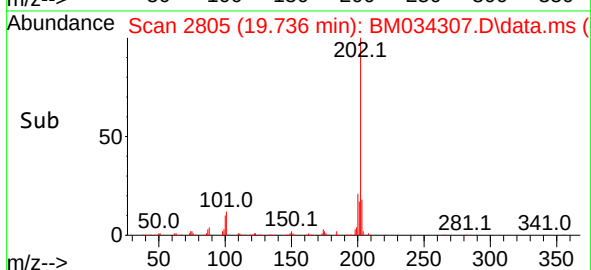
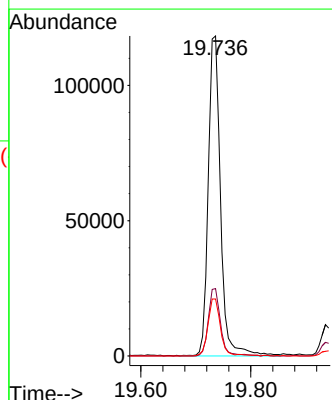
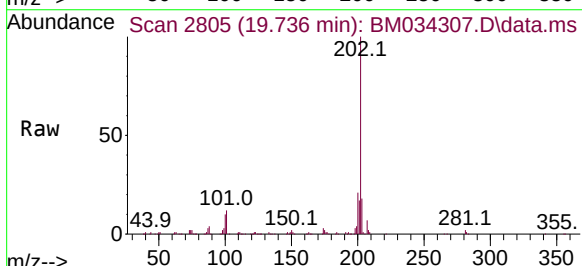
Tgt Ion:202 Resp: 183703

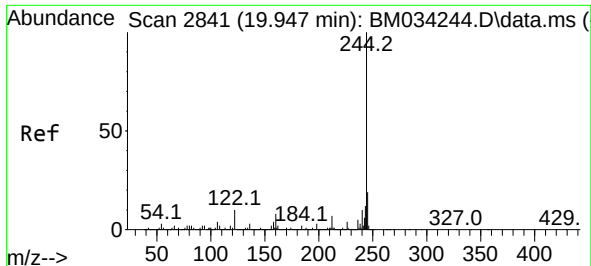
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 17.8 14.1 21.1

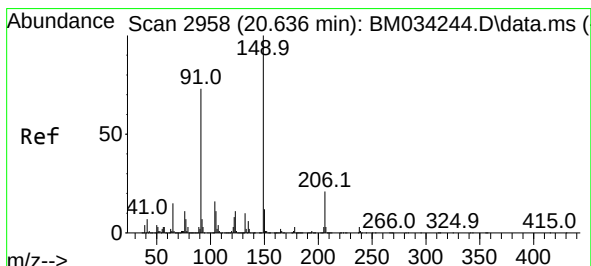
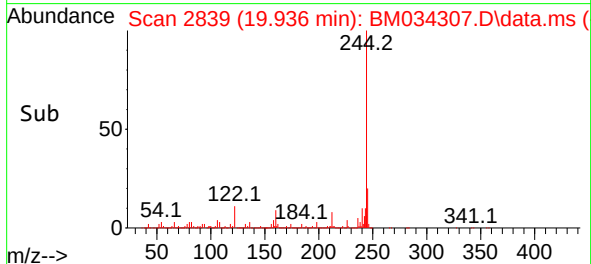
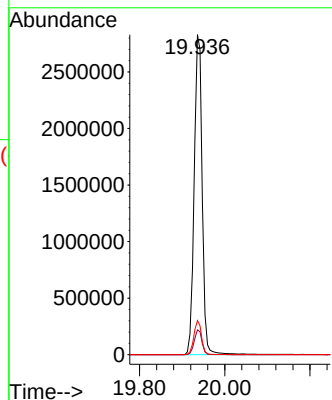
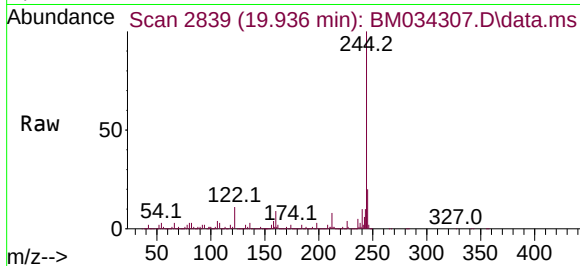




#79
 Terphenyl-d14
 Concen: 76.251 ng
 RT: 19.936 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

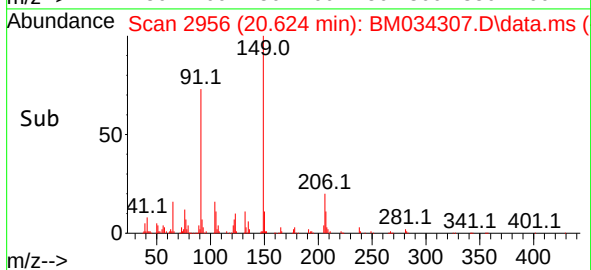
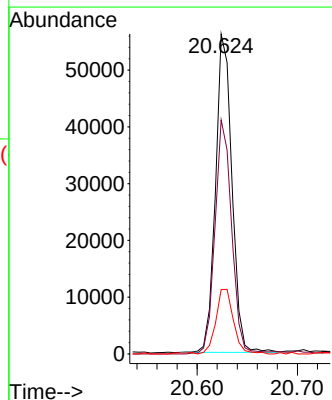
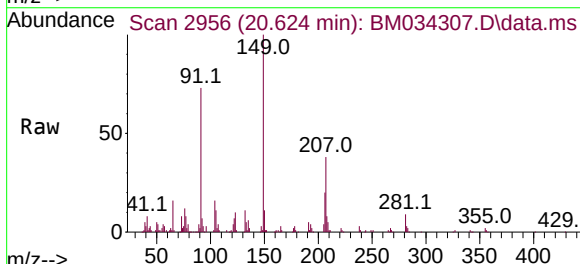
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

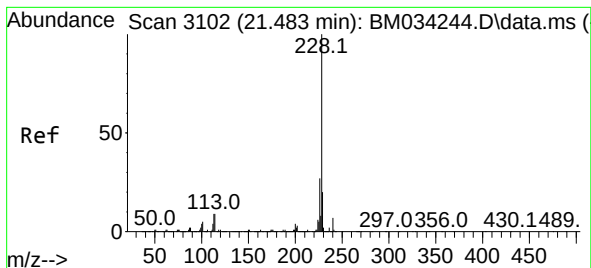
Tgt Ion:244 Resp: 3682322
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 10.7 7.8 11.8



#80
 Butylbenzylphthalate
 Concen: 2.541 ng
 RT: 20.624 min Scan# 2956
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

Tgt Ion:149 Resp: 63528
 Ion Ratio Lower Upper
 149 100
 91 73.2 58.5 87.7
 206 20.1 16.9 25.3





#81

Benzo(a)anthracene

Concen: 3.385 ng

RT: 21.477 min Scan# 3102

Delta R.T. -0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

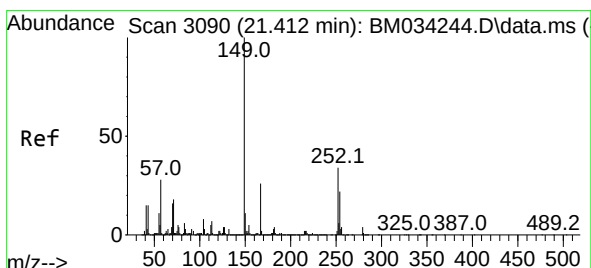
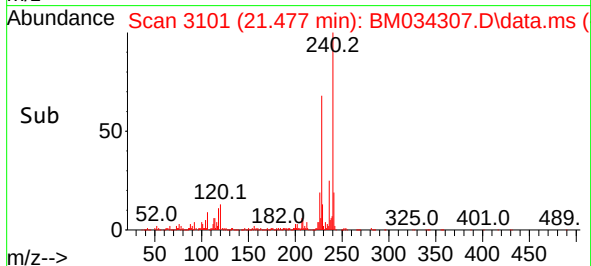
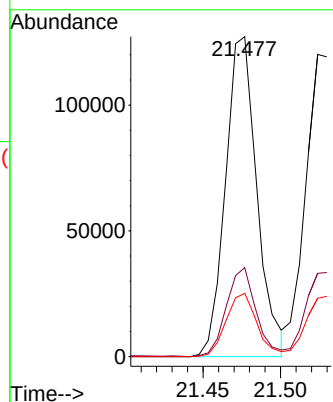
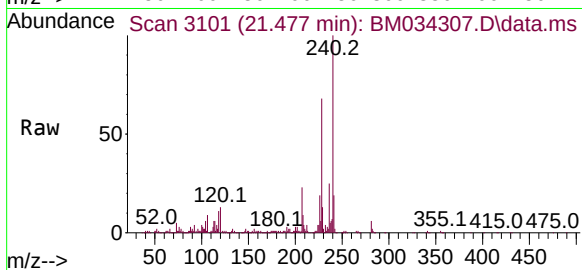
Tgt Ion:228 Resp: 179302

Ion Ratio Lower Upper

228 100

226 27.9 21.6 32.4

229 19.8 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 3.064 ng

RT: 21.412 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

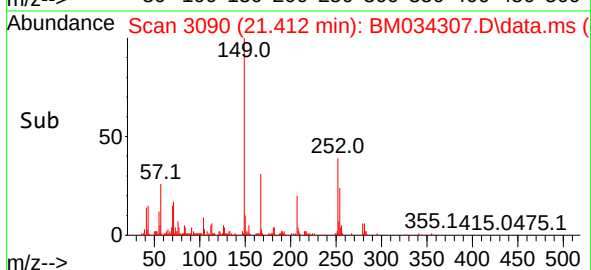
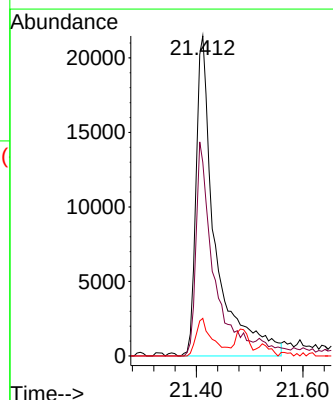
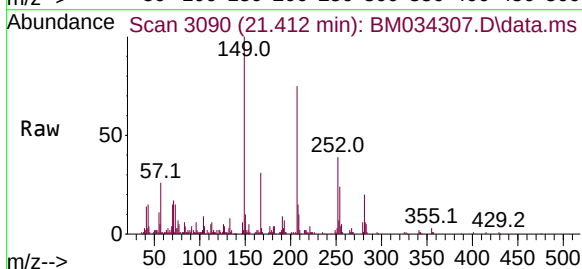
Tgt Ion:252 Resp: 54201

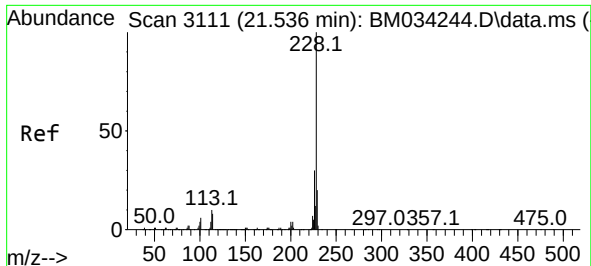
Ion Ratio Lower Upper

252 100

254 60.5 50.9 76.3

126 11.8 8.6 12.8

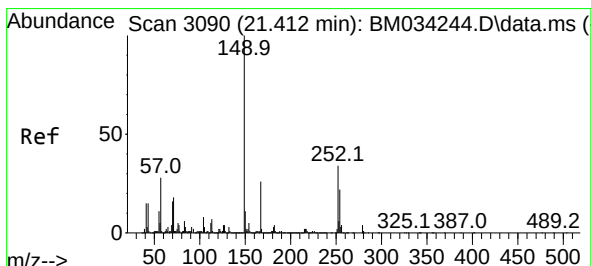
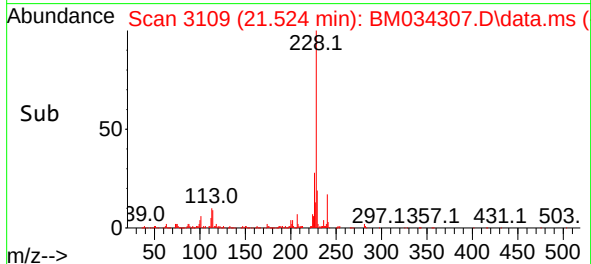
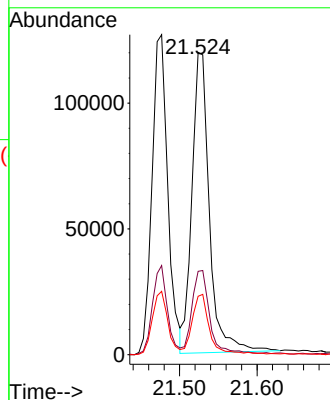
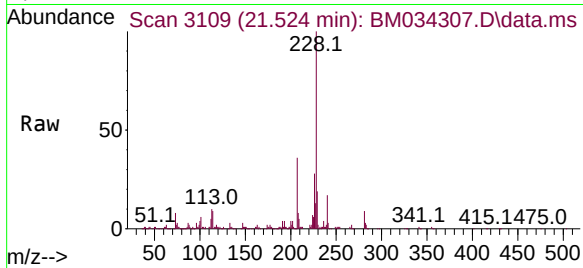




#83
Chrysene
Concen: 3.450 ng
RT: 21.524 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

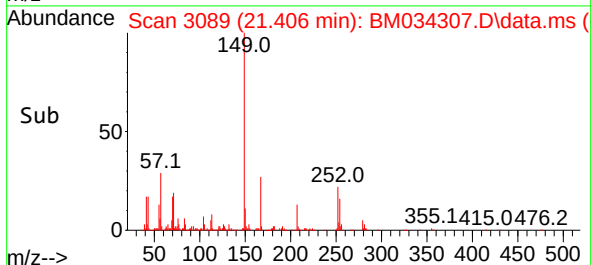
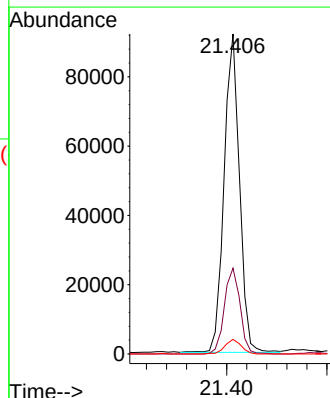
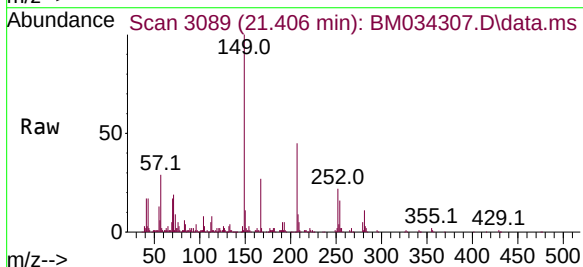
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

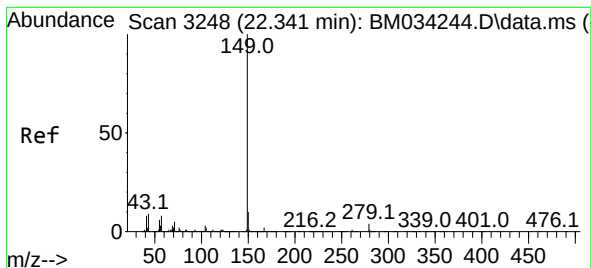
Tgt Ion:228 Resp: 186611
Ion Ratio Lower Upper
228 100
226 27.6 23.8 35.6
229 19.4 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.646 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:149 Resp: 97707
Ion Ratio Lower Upper
149 100
167 26.8 21.2 31.8
279 4.6 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 2.906 ng

RT: 22.330 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

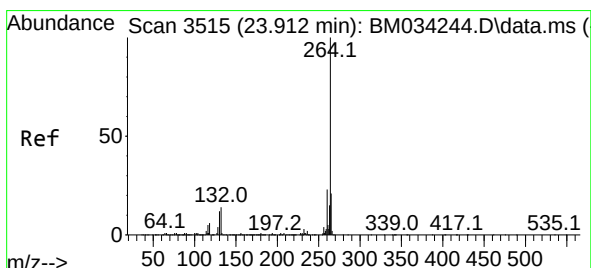
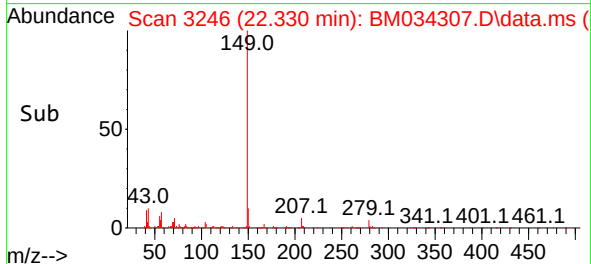
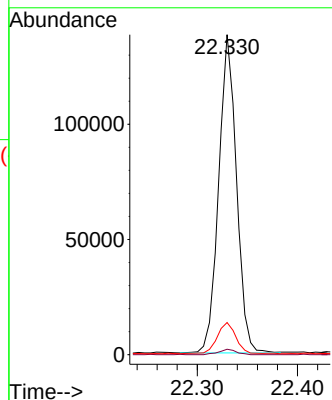
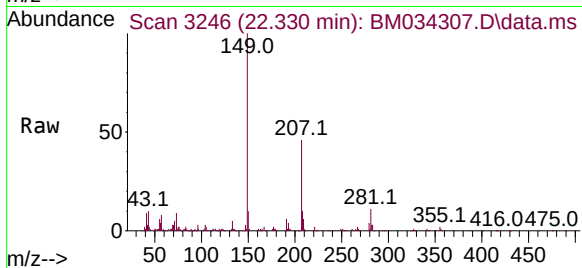
Tgt Ion:149 Resp: 170318

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 10.4 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.900 min Scan# 3513

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

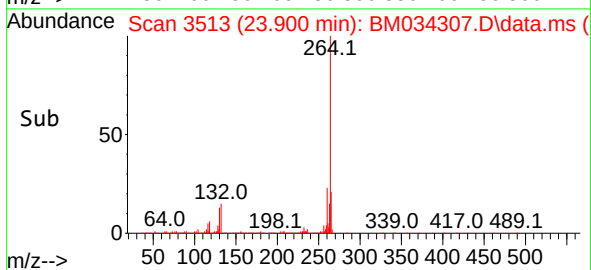
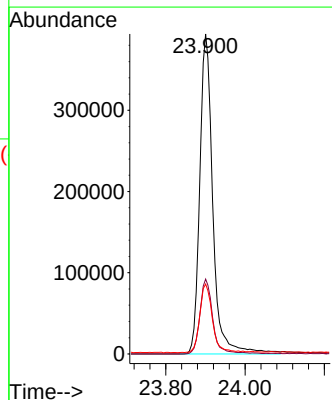
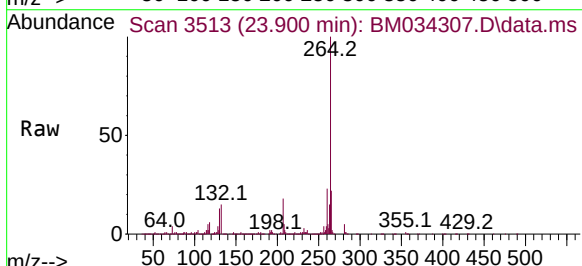
Tgt Ion:264 Resp: 900956

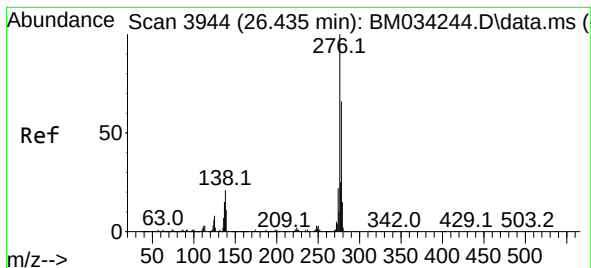
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.8 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.783 ng

RT: 26.412 min Scan# 3940

Delta R.T. -0.023 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

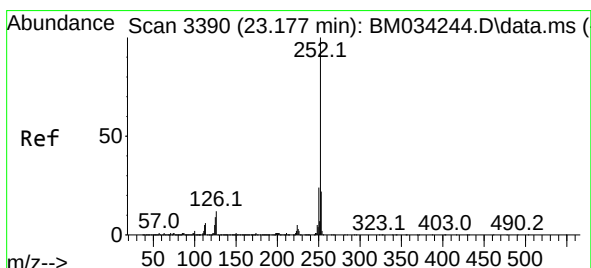
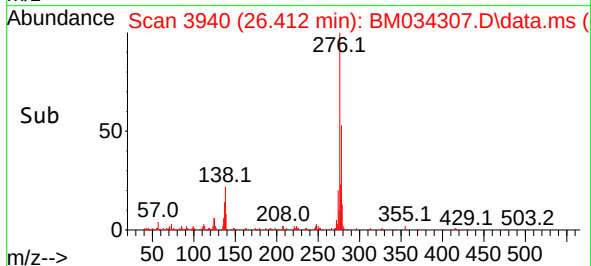
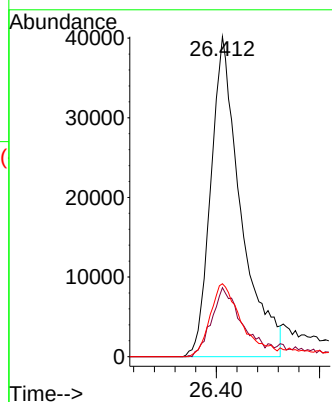
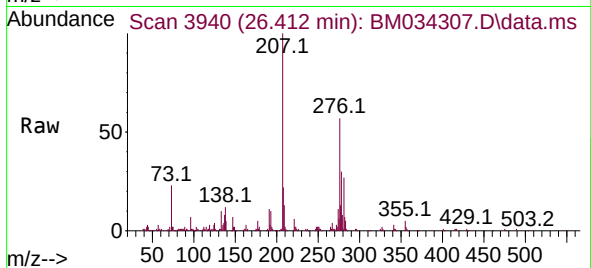
Tgt Ion:276 Resp: 161302

Ion Ratio Lower Upper

276 100

138 21.7 16.6 25.0

277 24.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 3.251 ng

RT: 23.165 min Scan# 3388

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

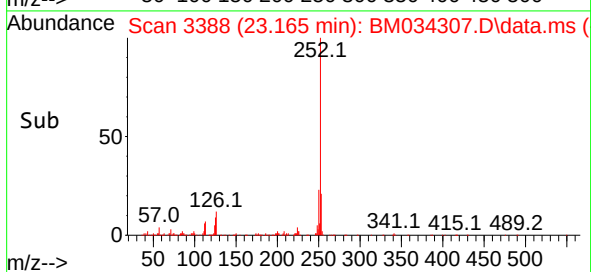
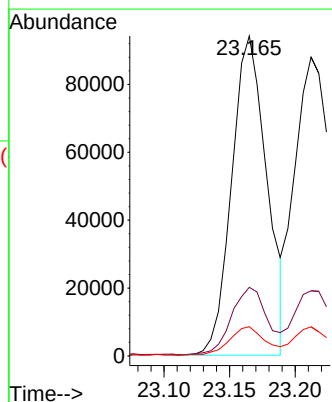
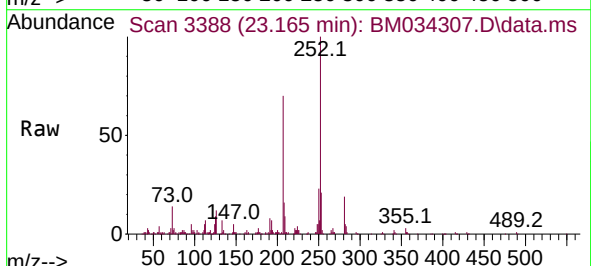
Tgt Ion:252 Resp: 175124

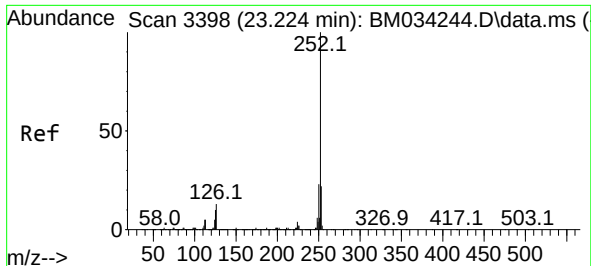
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 9.1 7.2 10.8

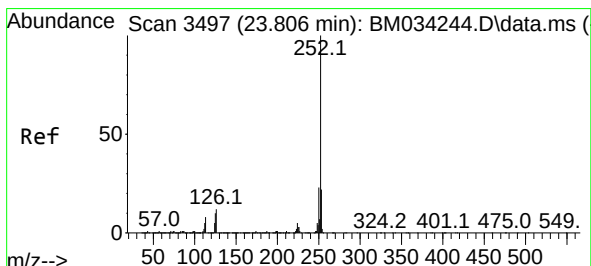
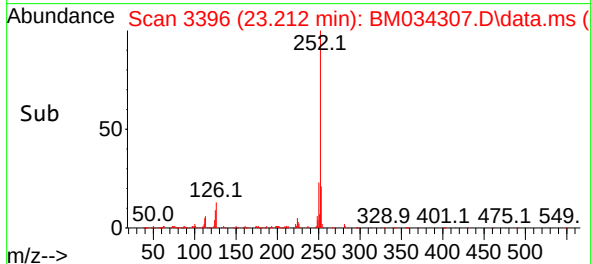
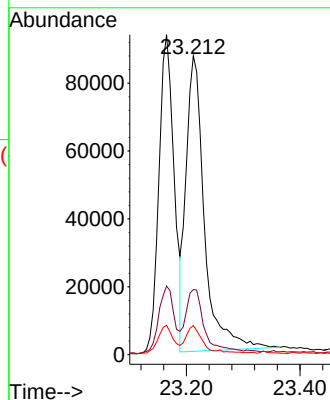
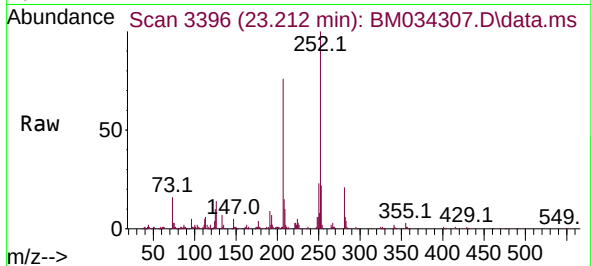




#89
Benzo(k)fluoranthene
Concen: 3.430 ng
RT: 23.212 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

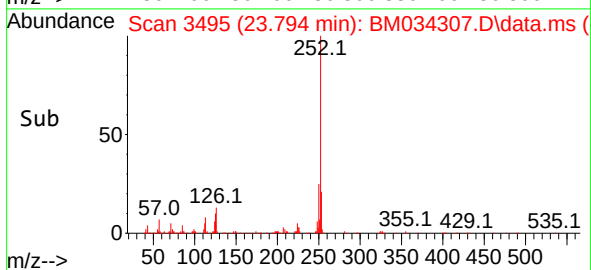
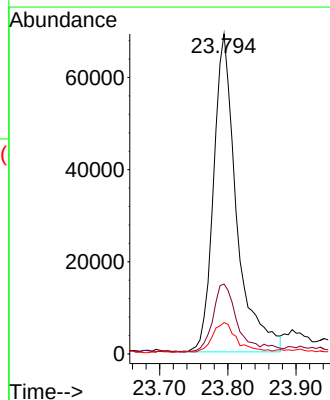
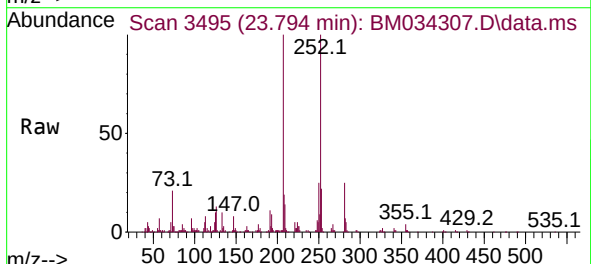
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

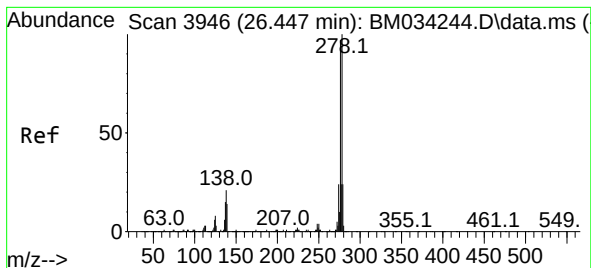
Tgt Ion:252 Resp: 195741
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 9.8 7.5 11.3



#90
Benzo(a)pyrene
Concen: 3.554 ng
RT: 23.794 min Scan# 3495
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:252 Resp: 162302
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: 2.786 ng

RT: 26.435 min Scan# 3946

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

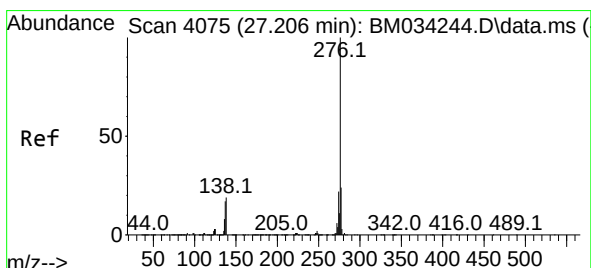
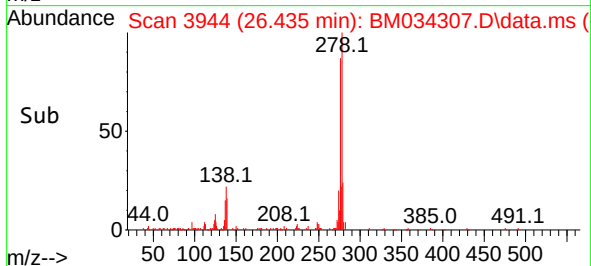
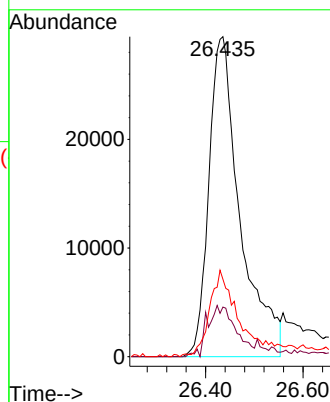
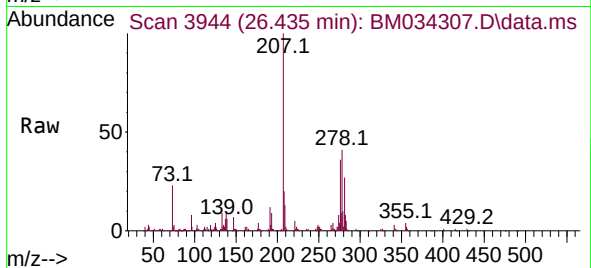
Tgt Ion:278 Resp: 130949

Ion Ratio Lower Upper

278 100

139 15.5 11.2 16.8

279 24.2 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.437 ng

RT: 27.176 min Scan# 4070

Delta R.T. -0.029 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Tgt Ion:276 Resp: 167204

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 18.9 15.6 23.4

