

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034305.D
 Acq On : 22 Mar 2022 11:33
 Operator : CG/JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 22 14:39:31 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	145563	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	606446	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	419587	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	879271	20.000	ng	-0.01
76) Chrysene-d12	21.494	240	938273	20.000	ng	0.00
86) Perylene-d12	23.906	264	980677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	947177	116.733	ng	-0.01
7) Phenol-d6	7.095	99	1401584	120.645	ng	-0.01
23) Nitrobenzene-d5	9.101	82	1083499	86.986	ng	-0.01
42) 2,4,6-Tribromophenol	16.065	330	683314	120.823	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2558185	83.314	ng	0.00
79) Terphenyl-d14	19.942	244	4178593	77.384	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	28587	7.787	ng	97
3) Pyridine	3.766	79	67530	6.798	ng	92
4) n-Nitrosodimethylamine	3.666	42	33295	7.059	ng	# 98
6) Aniline	7.260	93	110473	8.321	ng	99
8) 2-Chlorophenol	7.501	128	70254	7.403	ng	99
9) Benzaldehyde	7.072	77	69949	11.176	ng	99
10) Phenol	7.125	94	86037	7.446	ng	99
11) bis(2-Chloroethyl)ether	7.360	93	73292	7.728	ng	99
12) 1,3-Dichlorobenzene	7.831	146	80135	7.444	ng	95
13) 1,4-Dichlorobenzene	7.978	146	83267	7.555	ng	98
14) 1,2-Dichlorobenzene	8.295	146	78685	7.324	ng	99
15) Benzyl Alcohol	8.178	79	61780	6.682	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.472	45	101448	7.795	ng	98
17) 2-Methylphenol	8.383	107	58467	7.225	ng	99
18) Hexachloroethane	9.030	117	29632	7.290	ng	98
19) n-Nitroso-di-n-propyla...	8.748	70	62599	7.449	ng	98
20) 3+4-Methylphenols	8.713	107	76312	6.819	ng	97
22) Acetophenone	8.766	105	115714	7.435	ng	# 97
24) Nitrobenzene	9.142	77	94008	8.084	ng	98
25) Isophorone	9.672	82	166232	7.975	ng	98
26) 2-Nitrophenol	9.860	139	34506	6.691	ng	99
27) 2,4-Dimethylphenol	9.919	122	66213	8.199	ng	95
28) bis(2-Chloroethoxy)met...	10.160	93	99200	7.434	ng	98
29) 2,4-Dichlorophenol	10.395	162	63006	6.715	ng	99
30) 1,2,4-Trichlorobenzene	10.619	180	78394	7.350	ng	94
31) Naphthalene	10.801	128	242993	7.691	ng	99
32) Benzoic acid	9.983	122	21548	3.227	ng	87
33) 4-Chloroaniline	10.913	127	87681	7.035	ng	98
34) Hexachlorobutadiene	11.101	225	48506	7.180	ng	97
35) Caprolactam	11.660	113	21701	6.653	ng	99
36) 4-Chloro-3-methylphenol	12.030	107	74803	6.957	ng	97
37) 2-Methylnaphthalene	12.413	142	171788	7.620	ng	99
38) 1-Methylnaphthalene	12.630	142	167746	7.606	ng	98
40) 1,2,4,5-Tetrachloroben...	12.783	216	91407	7.219	ng	99
41) Hexachlorocyclopentadiene	12.766	237	55277	7.539	ng	99
43) 2,4,6-Trichlorophenol	13.018	196	54253	6.206	ng	100

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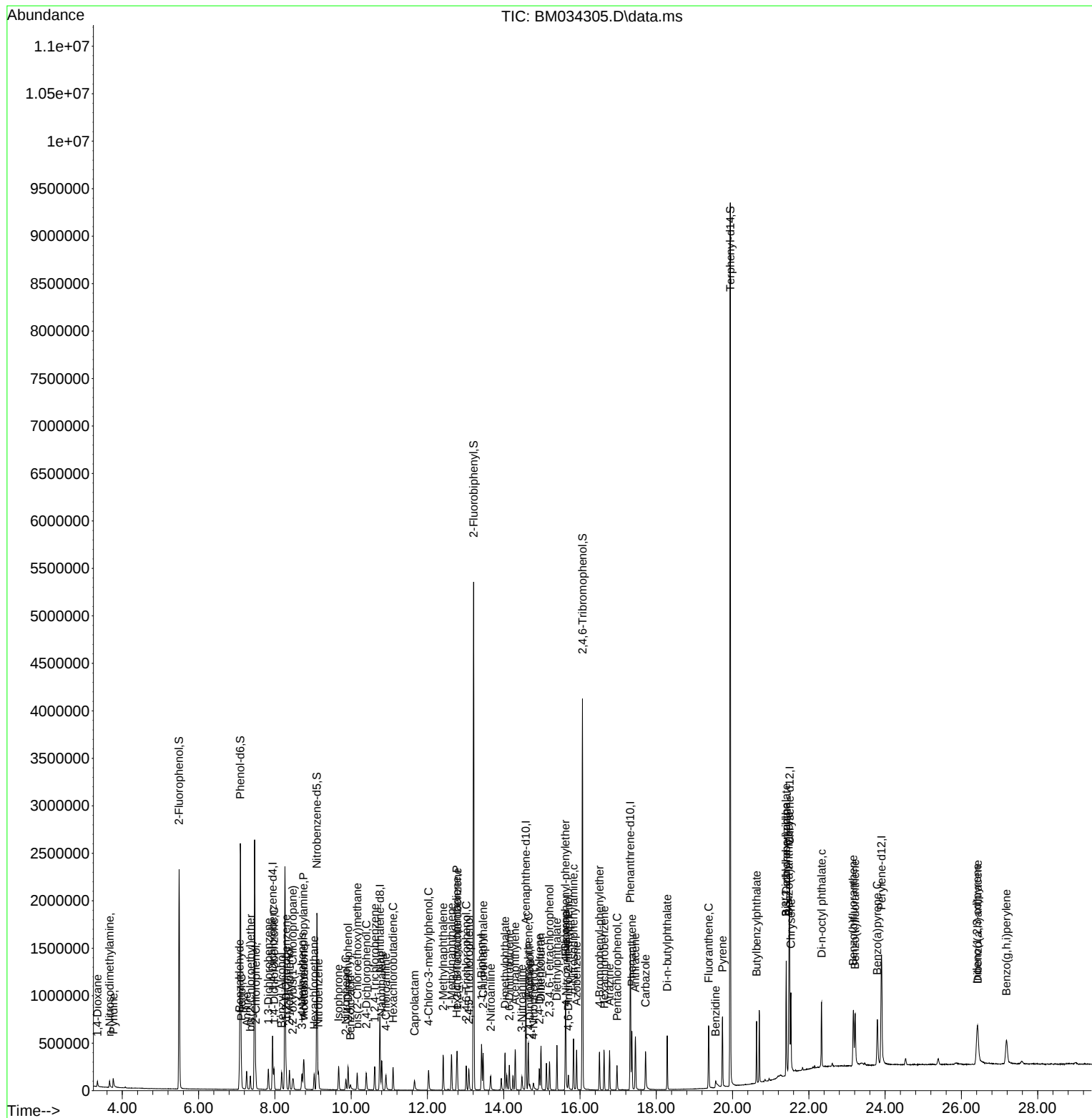
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.083	196	57558	6.134	ng	97
46) 1,1'-Biphenyl	13.418	154	240753	7.525	ng	98
47) 2-Chloronaphthalene	13.460	162	174719	7.115	ng	98
48) 2-Nitroaniline	13.660	65	46819	6.236	ng	99
49) Acenaphthylene	14.301	152	293478	7.668	ng	99
50) Dimethylphthalate	14.036	163	234437	7.341	ng	99
51) 2,6-Dinitrotoluene	14.148	165	47439	7.242	ng	97
52) Acenaphthene	14.648	154	182287	7.071	ng	99
53) 3-Nitroaniline	14.477	138	39660	6.035	ng	100
54) 2,4-Dinitrophenol	14.683	184	14782	4.028	ng	99
55) Dibenzofuran	14.977	168	282287	7.347	ng	98
56) 4-Nitrophenol	14.783	139	23075	4.331	ng	90
57) 2,4-Dinitrotoluene	14.936	165	60065	6.784	ng	98
58) Fluorene	15.624	166	226869	7.274	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.201	232	54457	6.436	ng	97
60) Diethylphthalate	15.395	149	239244	7.302	ng	98
61) 4-Chlorophenyl-phenyle...	15.618	204	115227	7.236	ng	98
62) 4-Nitroaniline	15.636	138	29453	4.659	ng	92
63) Azobenzene	15.912	77	227069	7.187	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	28323	4.954	ng	93
66) n-Nitrosodiphenylamine	15.830	169	197149	7.058	ng	98
67) 4-Bromophenyl-phenylether	16.512	248	71592	7.083	ng	95
68) Hexachlorobenzene	16.636	284	83047	7.366	ng	96
69) Atrazine	16.777	200	70423	7.648	ng	98
70) Pentachlorophenol	16.971	266	43768	6.071	ng	95
71) Phenanthrene	17.359	178	365052	7.414	ng	100
72) Anthracene	17.453	178	360740	7.527	ng	99
73) Carbazole	17.718	167	303275	6.785	ng	100
74) Di-n-butylphthalate	18.289	149	380505	6.848	ng	99
75) Fluoranthene	19.377	202	422659	7.657	ng	99
77) Benzidine	19.559	184	101115	7.354	ng	97
78) Pyrene	19.736	202	448455	6.784	ng	99
80) Butylbenzylphthalate	20.630	149	168915	6.042	ng	98
81) Benzo(a)anthracene	21.477	228	435948	7.361	ng	98
82) 3,3'-Dichlorobenzidine	21.406	252	130240	6.585	ng	99
83) Chrysene	21.530	228	440944	7.291	ng	100
84) Bis(2-ethylhexyl)phtha...	21.406	149	266007	6.443	ng	99
85) Di-n-octyl phthalate	22.335	149	447301	6.826	ng	99
87) Indeno(1,2,3-cd)pyrene	26.412	276	402817	6.385	ng	97
88) Benzo(b)fluoranthene	23.165	252	411288	7.013	ng	99
89) Benzo(k)fluoranthene	23.212	252	461973	7.437	ng	98
90) Benzo(a)pyrene	23.794	252	399671	8.040	ng	99
91) Dibenzo(a,h)anthracene	26.429	278	332567	6.501	ng	98
92) Benzo(g,h,i)perylene	27.182	276	378039	7.140	ng	98

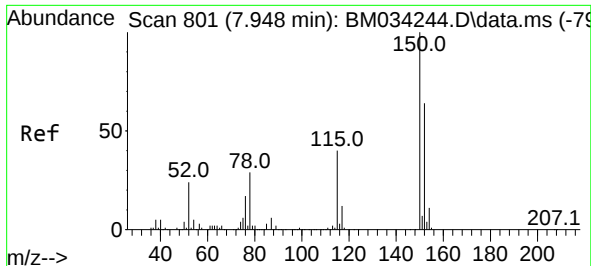
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ClientSampleId :
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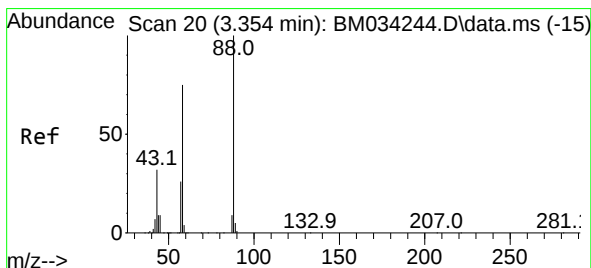
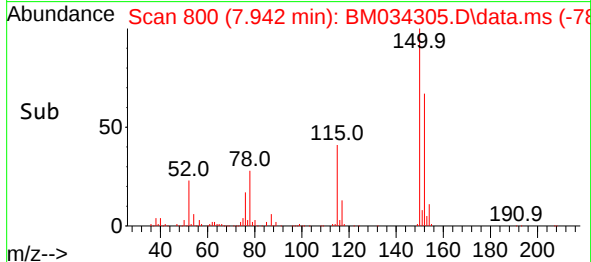
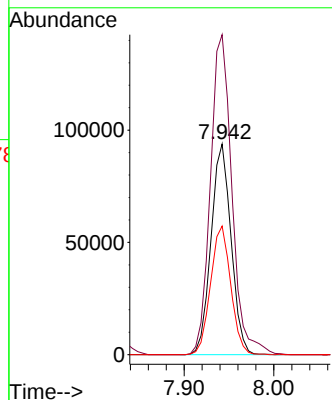
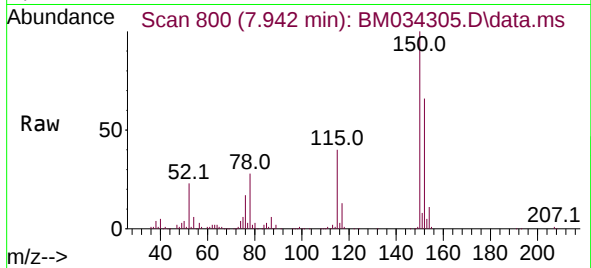




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

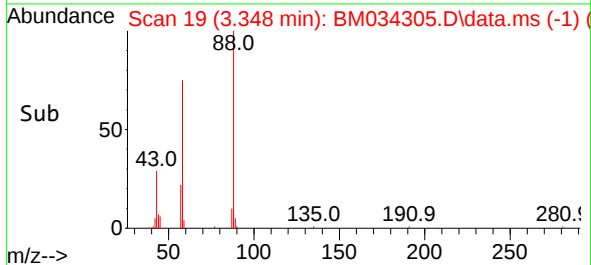
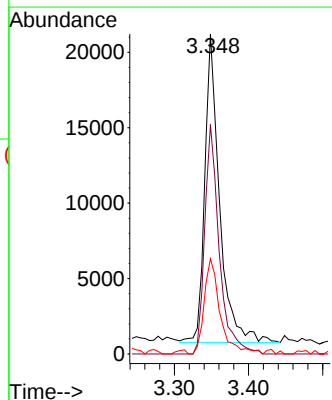
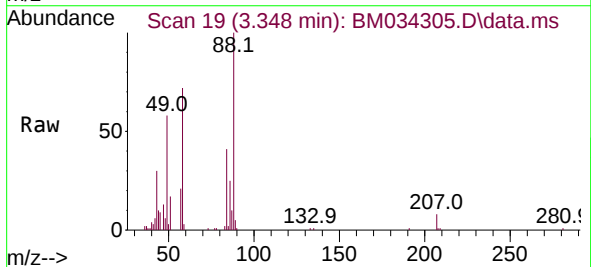
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

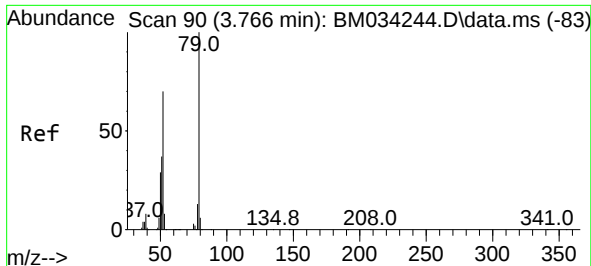
Tgt Ion:152 Resp: 145563
Ion Ratio Lower Upper
152 100
150 151.8 125.4 188.2
115 61.0 50.1 75.1



#2
1,4-Dioxane
Concen: 7.787 ng
RT: 3.348 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 88 Resp: 28587
Ion Ratio Lower Upper
88 100
58 72.6 60.4 90.6
43 33.1 25.4 38.0

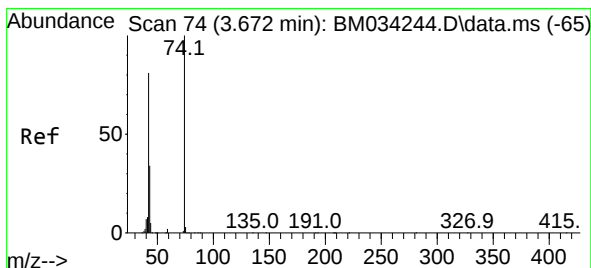
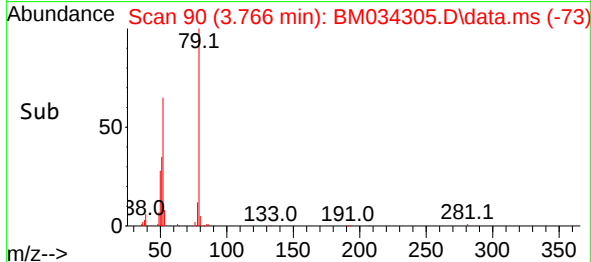
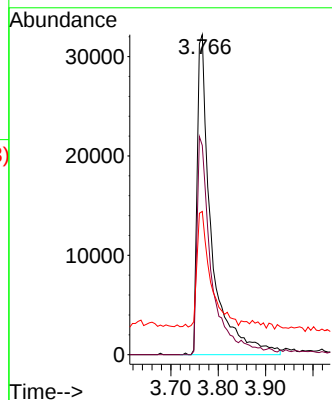
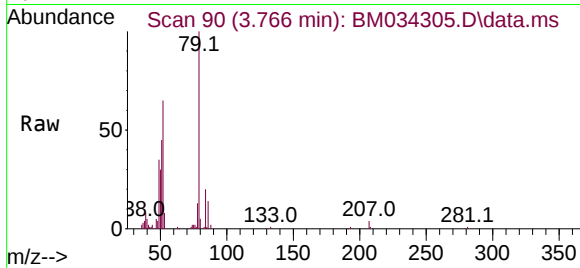




#3
 Pyridine
 Concen: 6.798 ng
 RT: 3.766 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

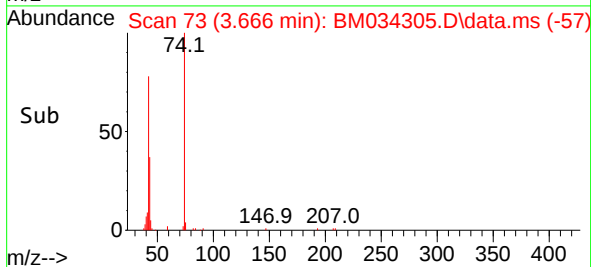
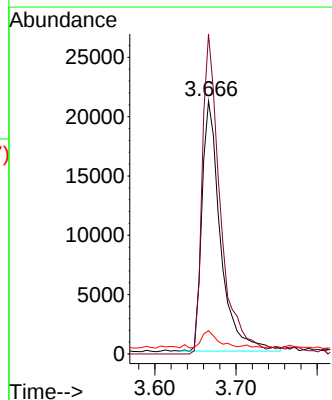
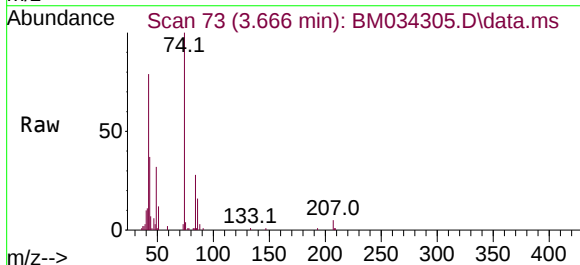
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

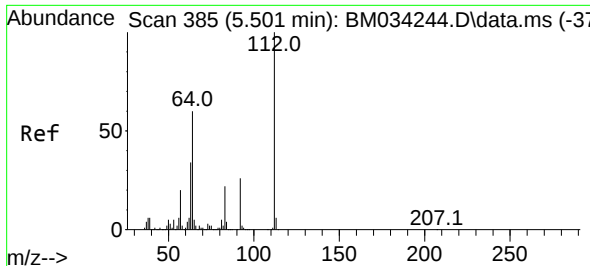
Tgt Ion: 79 Resp: 67530
 Ion Ratio Lower Upper
 79 100
 52 65.4 56.1 84.1
 51 44.7 30.4 45.6



#4
 n-Nitrosodimethylamine
 Concen: 7.059 ng
 RT: 3.666 min Scan# 73
 Delta R.T. -0.006 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

Tgt Ion: 42 Resp: 33295
 Ion Ratio Lower Upper
 42 100
 74 126.6 99.3 148.9
 44 9.2 5.0 7.6

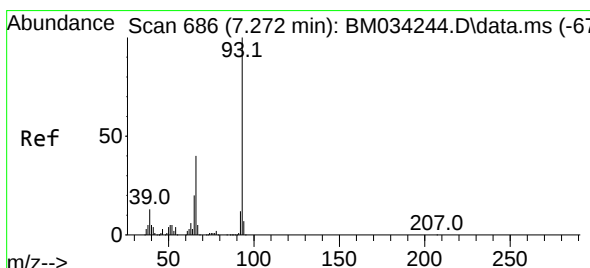
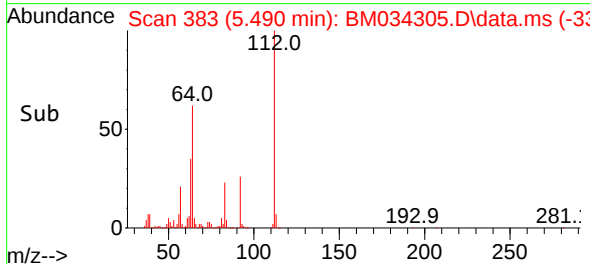
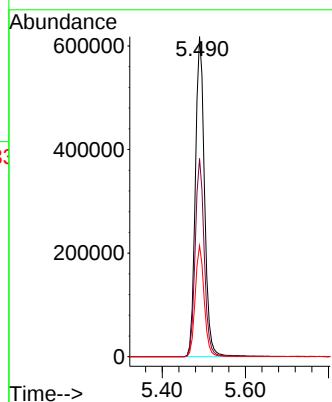
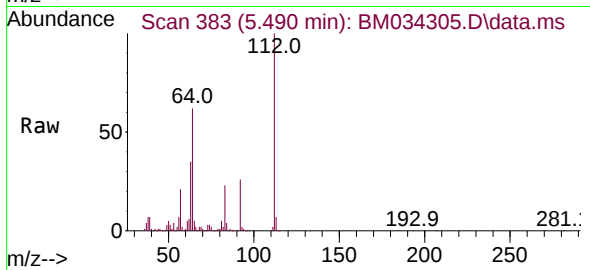




#5
2-Fluorophenol
Concen: 116.733 ng
RT: 5.490 min Scan# 385
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

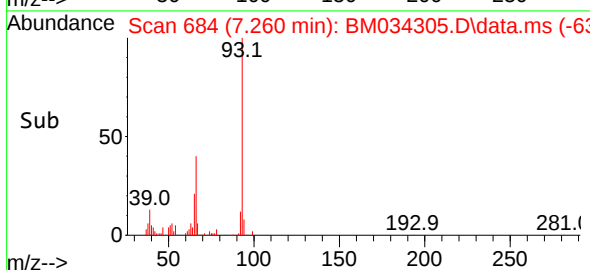
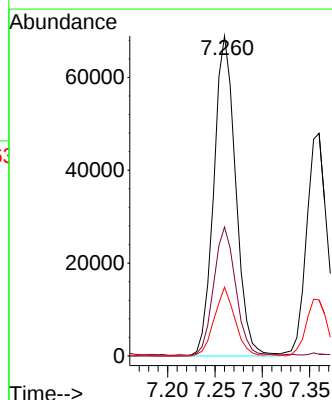
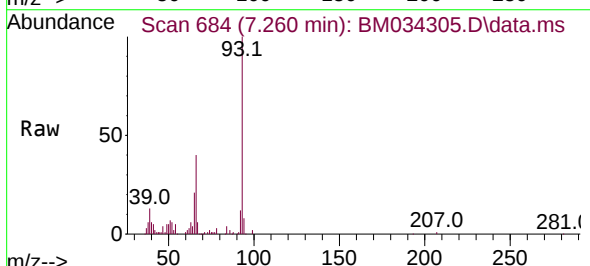
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

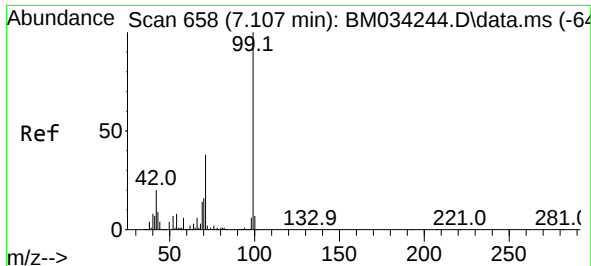
Tgt Ion:112 Resp: 947177
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 34.7 27.1 40.7



#6
Aniline
Concen: 8.321 ng
RT: 7.260 min Scan# 684
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 93 Resp: 110473
Ion Ratio Lower Upper
93 100
66 40.3 31.9 47.9
65 21.5 16.2 24.4



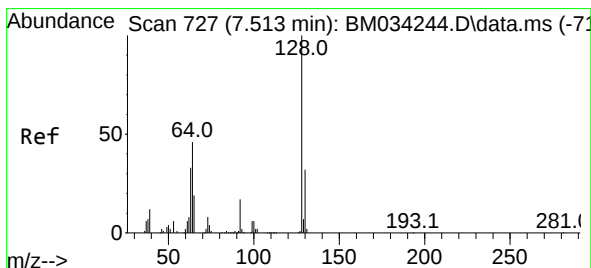
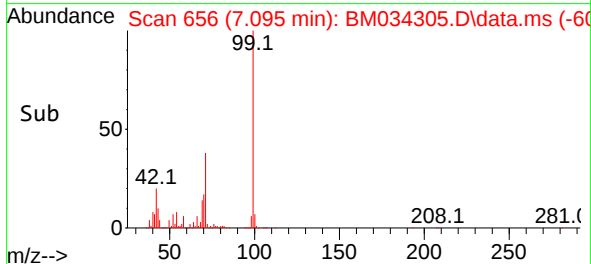
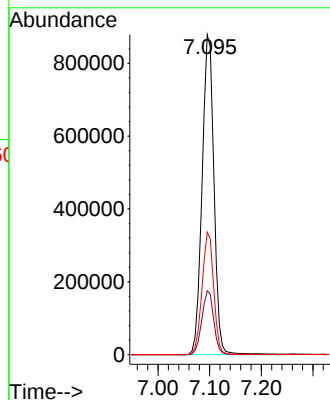
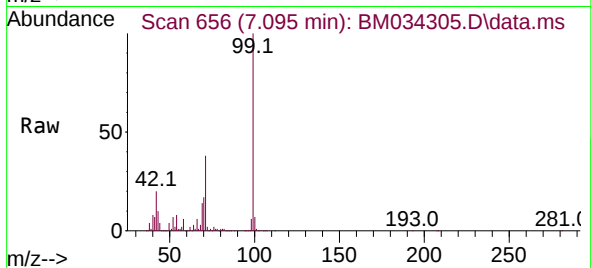


#7
Phenol-d6
Concen: 120.645 ng
RT: 7.095 min Scan# 611
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

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Tgt Ion: 99 Resp: 1401584

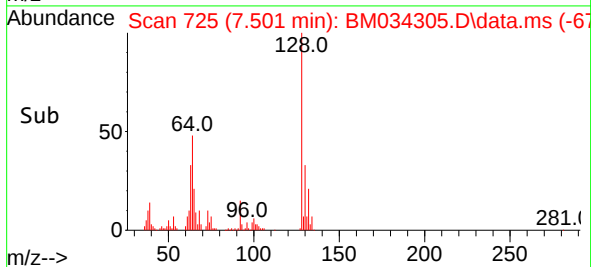
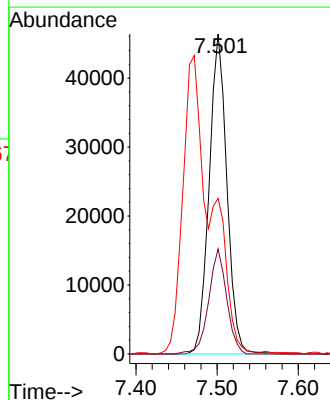
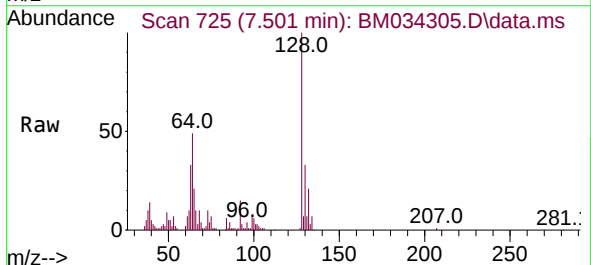
Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.6	23.4
71	38.3	30.6	46.0

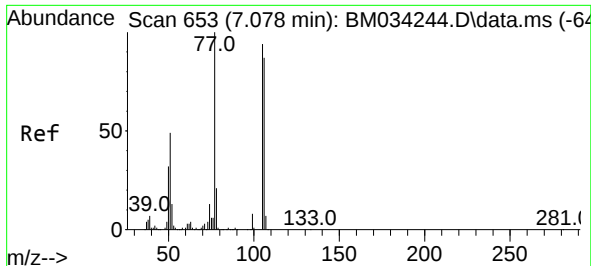


#8
2-Chlorophenol
Concen: 7.403 ng
RT: 7.501 min Scan# 725
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 128 Resp: 70254

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	48.6	28.1	68.1

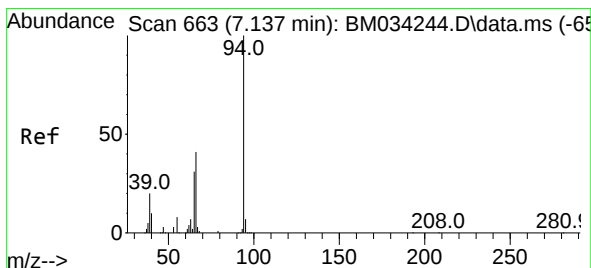
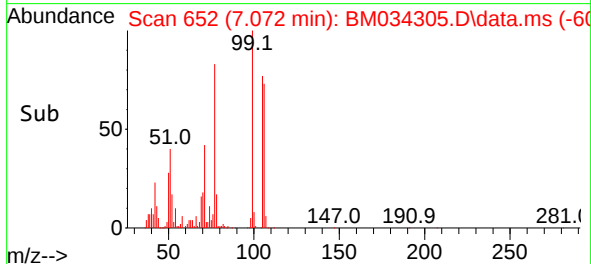
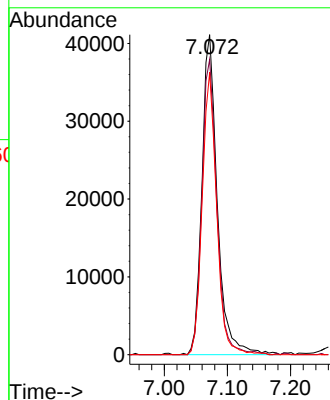
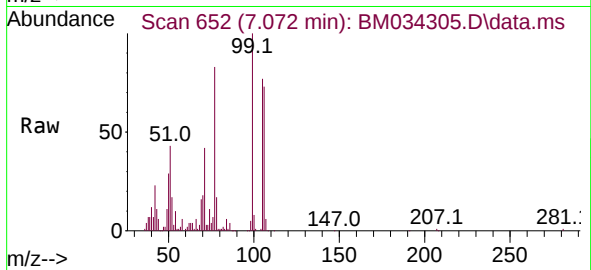




#9
Benzaldehyde
Concen: 11.176 ng
RT: 7.072 min Scan# 611
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

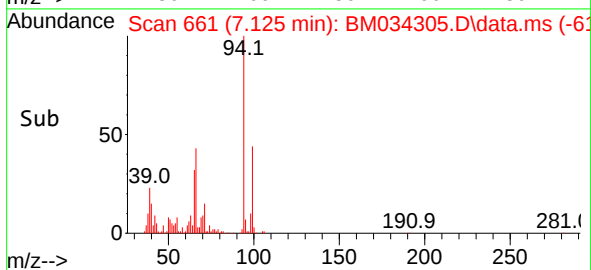
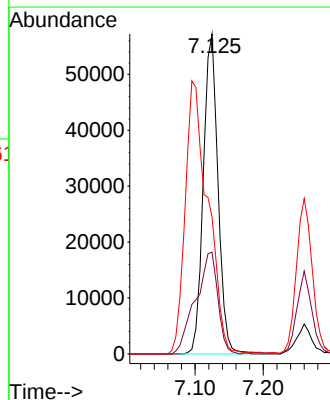
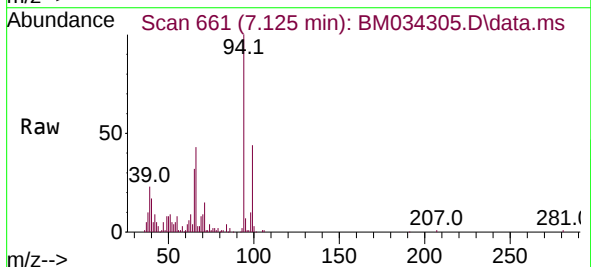
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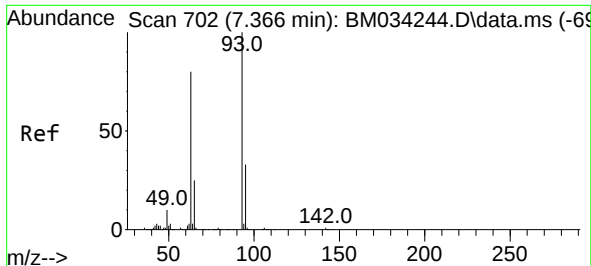
Tgt Ion: 77 Resp: 69949
Ion Ratio Lower Upper
77 100
105 92.2 73.9 113.9
106 88.2 67.2 107.2



#10
Phenol
Concen: 7.446 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 94 Resp: 86037
Ion Ratio Lower Upper
94 100
65 31.8 10.9 50.9
66 42.8 22.0 62.0

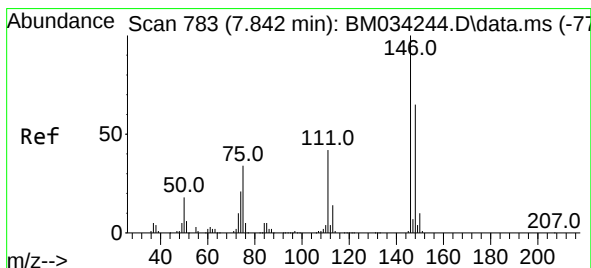
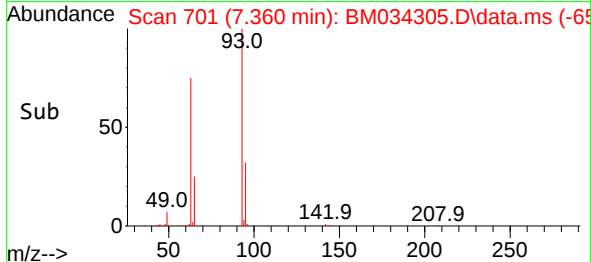
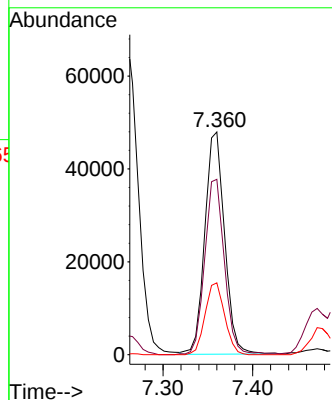
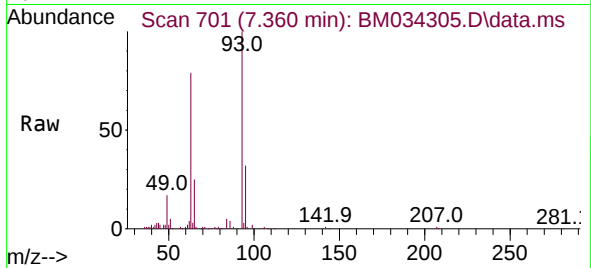




#11
bis(2-Chloroethyl)ether
Concen: 7.728 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

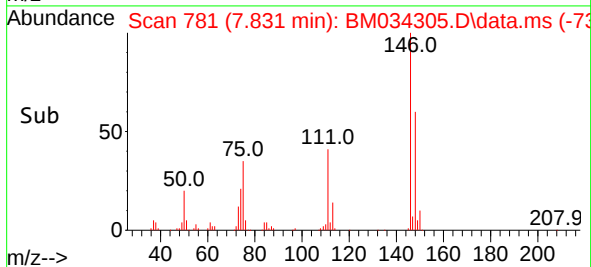
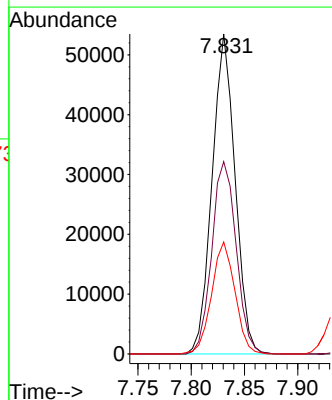
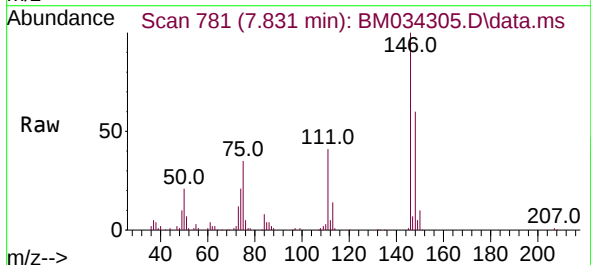
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

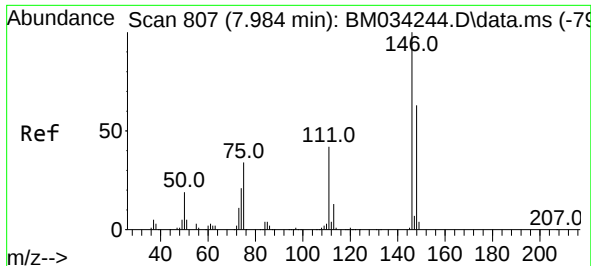
Tgt Ion: 93 Resp: 73292
Ion Ratio Lower Upper
93 100
63 78.7 59.6 99.6
95 32.2 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 7.444 ng
RT: 7.831 min Scan# 781
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 146 Resp: 80135
Ion Ratio Lower Upper
146 100
148 60.1 51.8 77.8
75 35.0 27.1 40.7

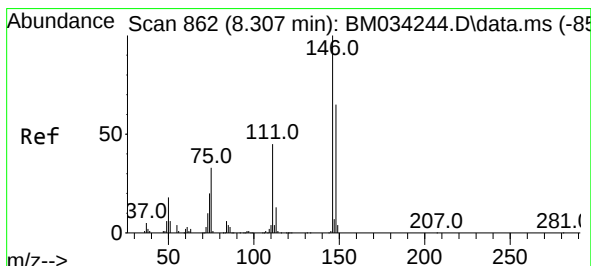
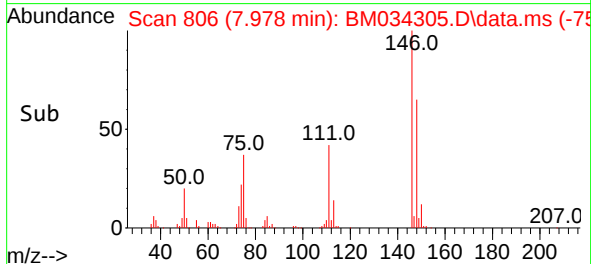
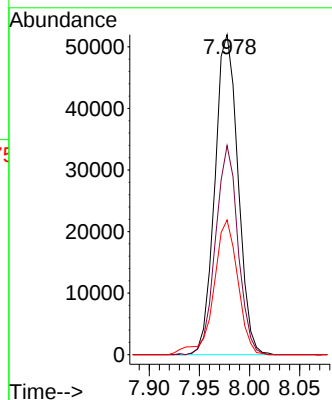
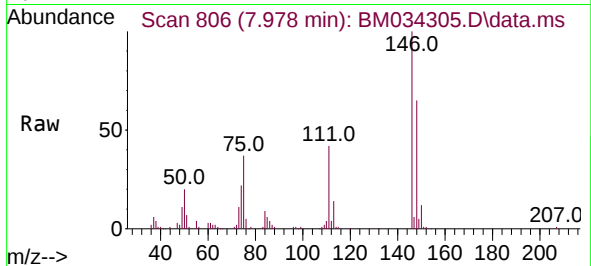




#13
1,4-Dichlorobenzene
Concen: 7.555 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

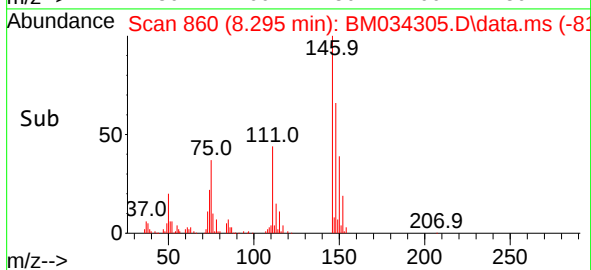
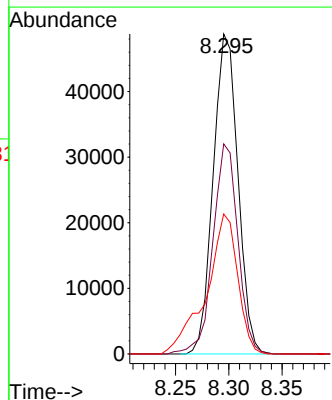
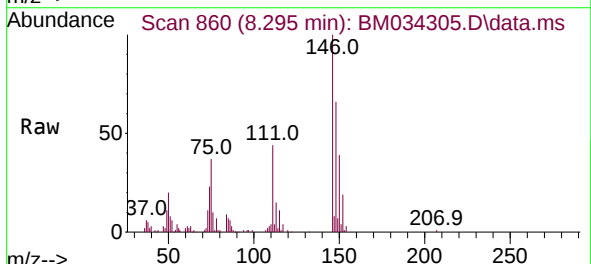
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

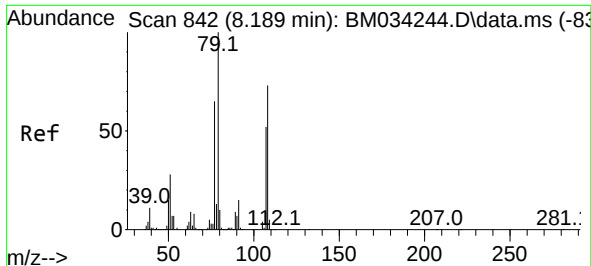
Tgt Ion:146 Resp: 83267
Ion Ratio Lower Upper
146 100
148 65.3 50.6 76.0
111 42.1 34.0 51.0



#14
1,2-Dichlorobenzene
Concen: 7.324 ng
RT: 8.295 min Scan# 860
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:146 Resp: 78685
Ion Ratio Lower Upper
146 100
148 65.6 52.2 78.4
111 43.8 35.8 53.8

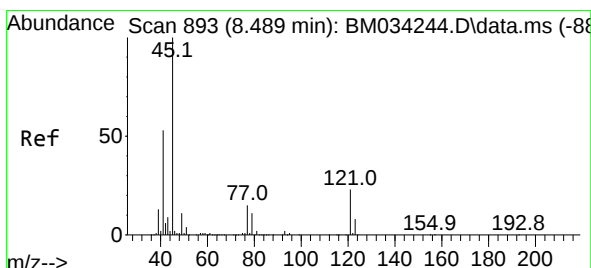
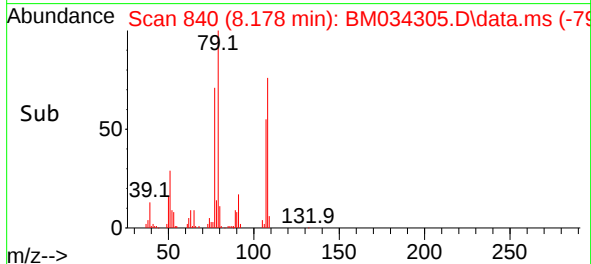
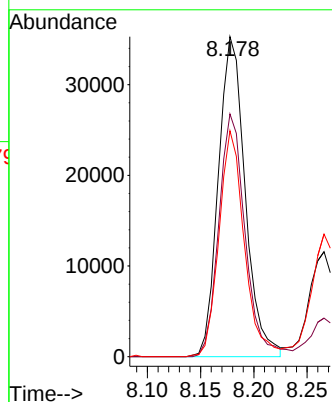
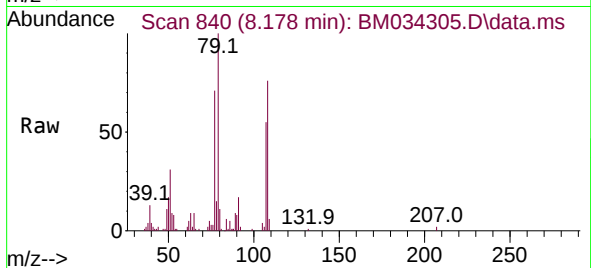




#15
Benzyl Alcohol
Concen: 6.682 ng
RT: 8.178 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

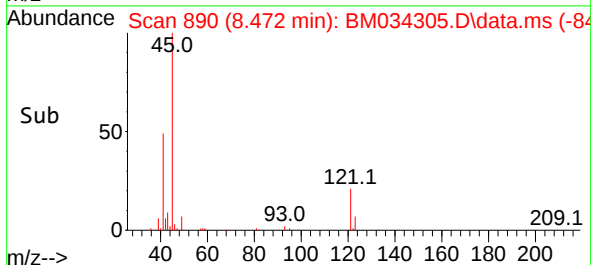
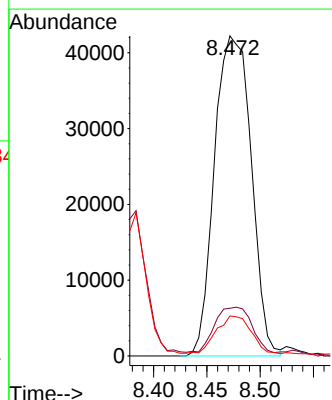
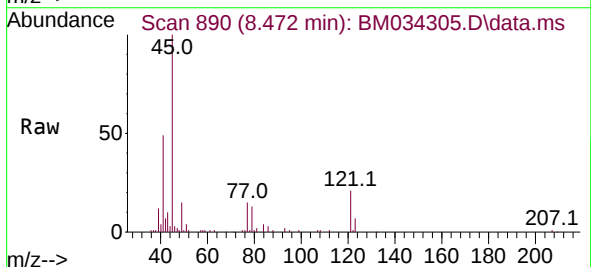
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

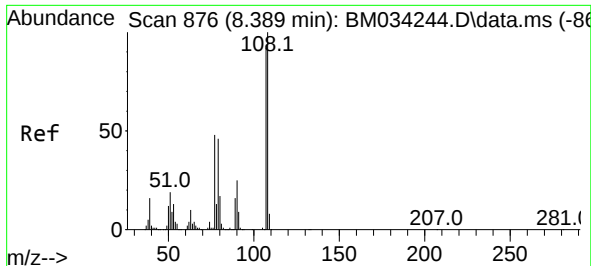
Tgt Ion: 79 Resp: 61780
Ion Ratio Lower Upper
79 100
108 75.9 58.1 87.1
77 70.6 51.8 77.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.795 ng
RT: 8.472 min Scan# 890
Delta R.T. -0.018 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 45 Resp: 101448
Ion Ratio Lower Upper
45 100
77 14.9 0.0 35.7
79 12.5 0.0 31.7

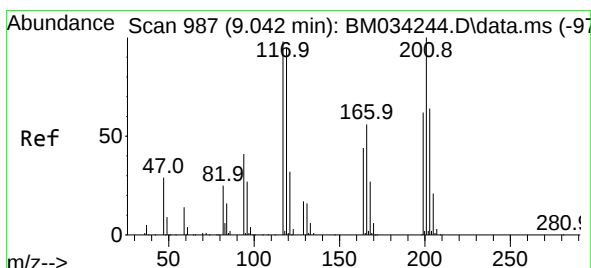
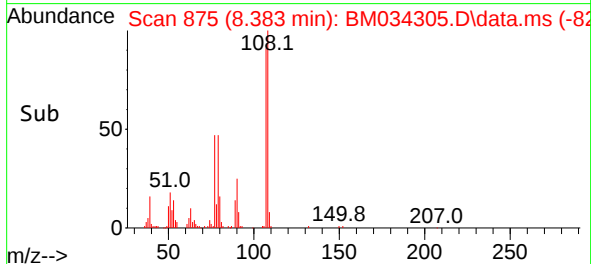
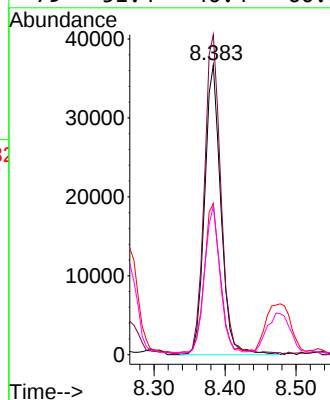
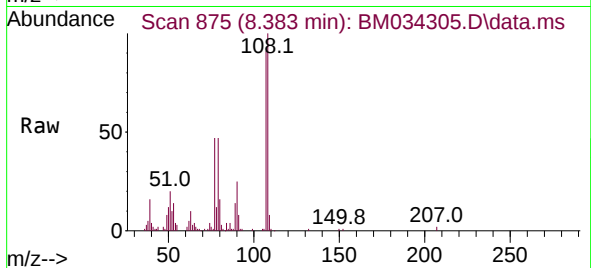




#17
2-Methylphenol
Concen: 7.225 ng
RT: 8.383 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

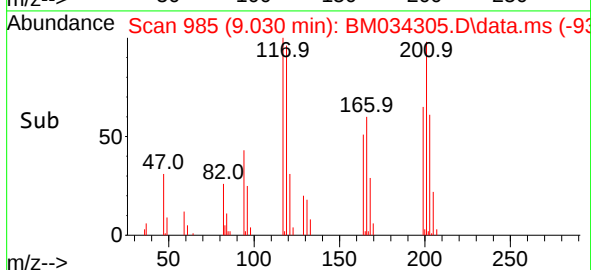
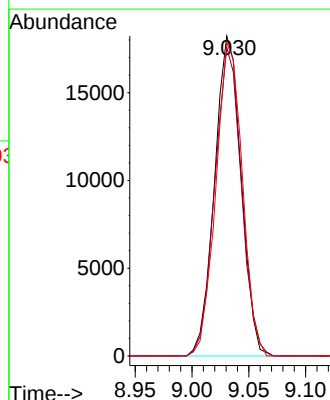
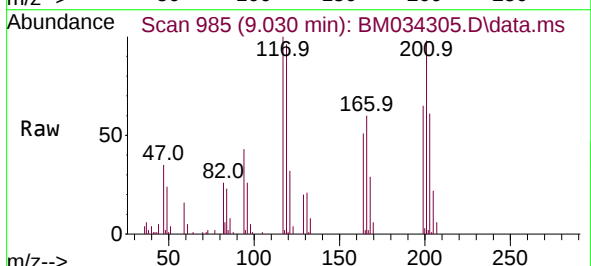
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

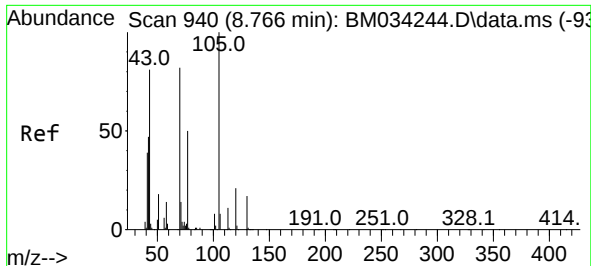
Tgt Ion:	107	Resp:	58467
Ion Ratio	Lower	Upper	
107	100		
108	110.4	87.3	130.9
77	52.2	41.6	62.4
79	51.4	40.4	60.6



#18
Hexachloroethane
Concen: 7.290 ng
RT: 9.030 min Scan# 985
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:	117	Resp:	29632
Ion Ratio	Lower	Upper	
117	100		
119	96.4	77.4	116.0
201	98.0	81.6	122.4

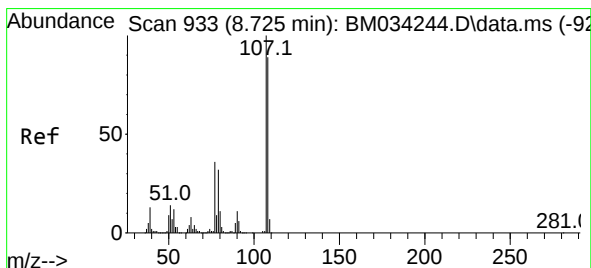
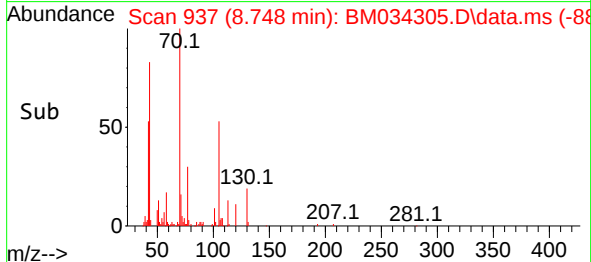
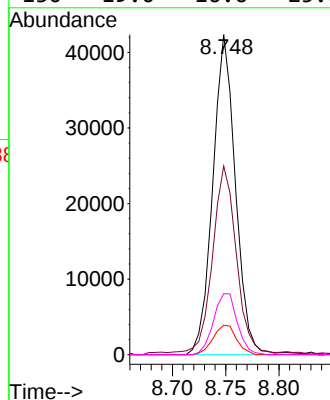
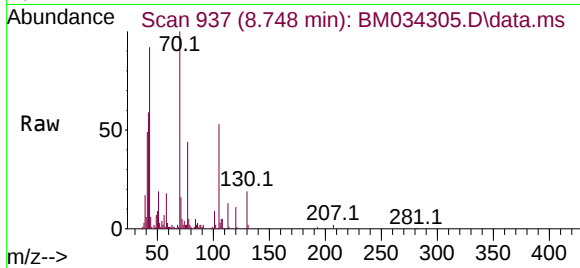




#19
n-Nitroso-di-n-propylamine
Concen: 7.449 ng
RT: 8.748 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

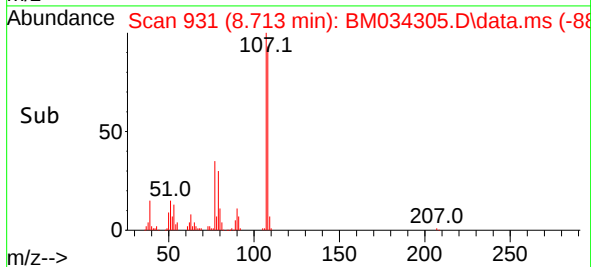
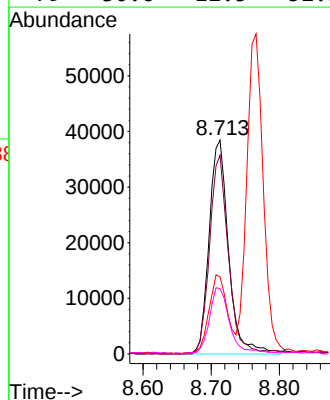
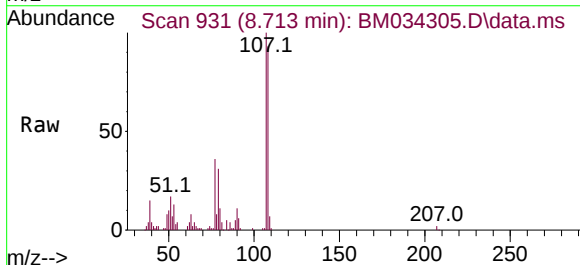
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

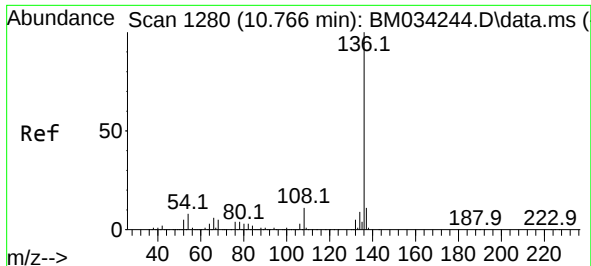
Tgt Ion:	70	Resp:	62599
Ion	Ratio	Lower	Upper
70	100		
42	59.0	46.7	70.1
101	9.2	7.8	11.6
130	19.0	16.6	25.0



#20
3+4-Methylphenols
Concen: 6.819 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:	107	Resp:	76312
Ion	Ratio	Lower	Upper
107	100		
108	93.0	69.2	109.2
77	36.1	16.5	56.5
79	30.6	12.5	52.5

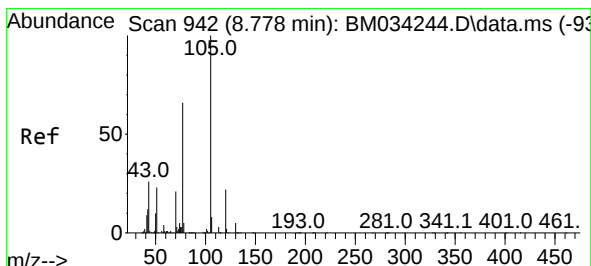
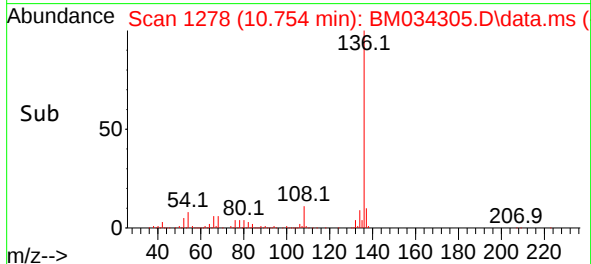
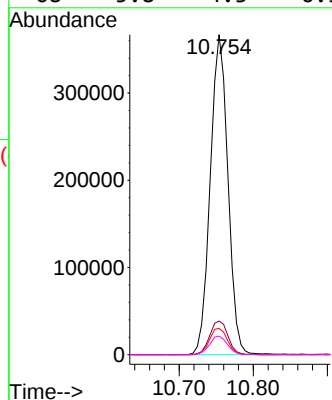
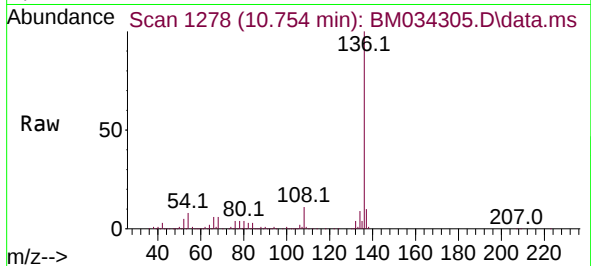




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

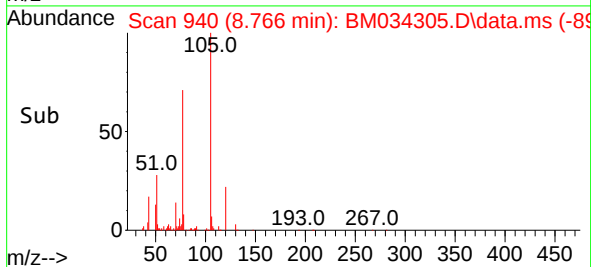
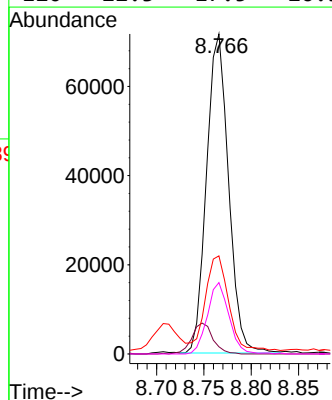
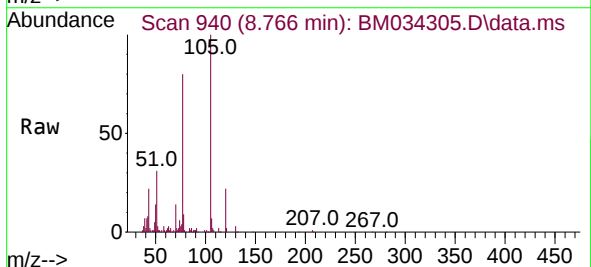
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

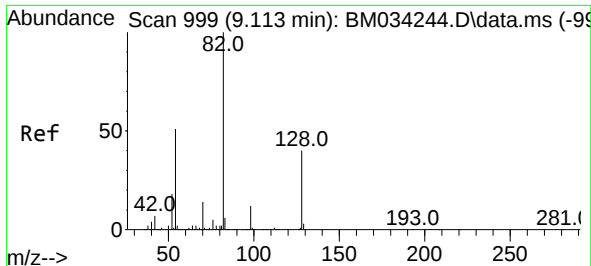
Tgt Ion:136 Resp: 606446
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.2 6.2 9.4
68 5.8 4.3 6.5



#22
Acetophenone
Concen: 7.435 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:105 Resp: 115714
Ion Ratio Lower Upper
105 100
71 2.2 3.0 4.4#
51 30.7 22.6 33.8
120 22.3 17.5 26.3

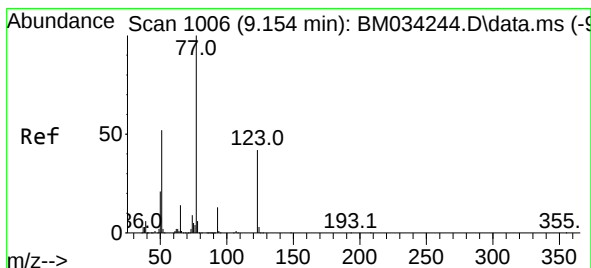
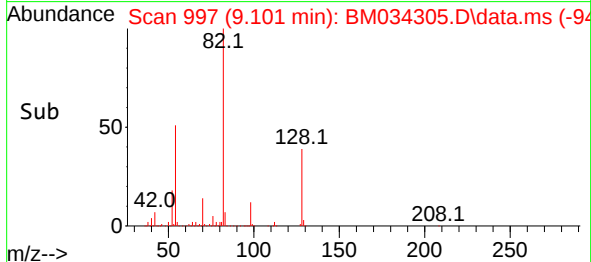
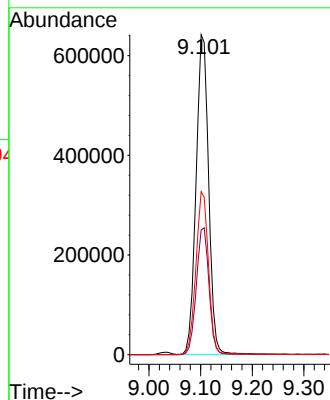
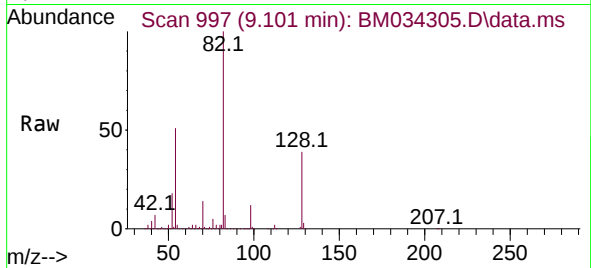




#23
Nitrobenzene-d5
Concen: 86.986 ng
RT: 9.101 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

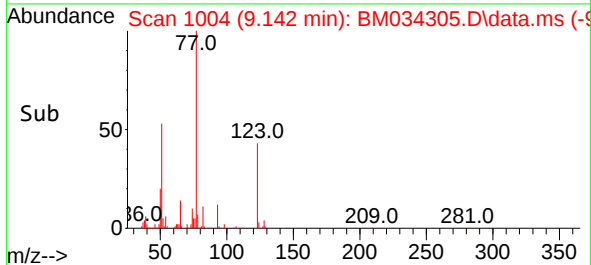
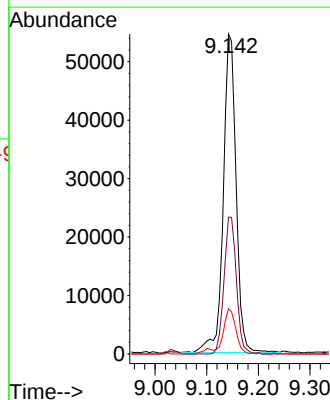
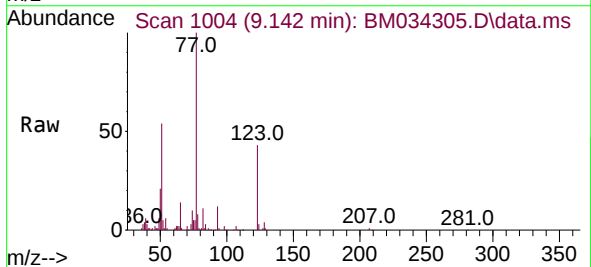
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

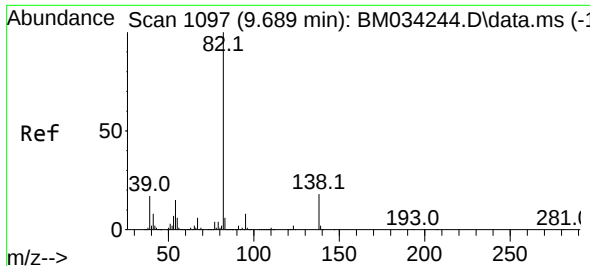
Tgt Ion: 82 Resp: 1083499
Ion Ratio Lower Upper
82 100
128 38.9 31.9 47.9
54 50.9 40.6 61.0



#24
Nitrobenzene
Concen: 8.084 ng
RT: 9.142 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 77 Resp: 94008
Ion Ratio Lower Upper
77 100
123 42.7 33.3 49.9
65 14.1 11.0 16.4

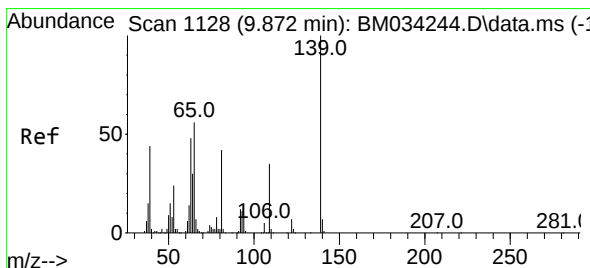
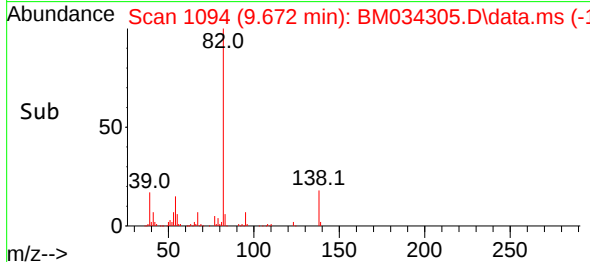
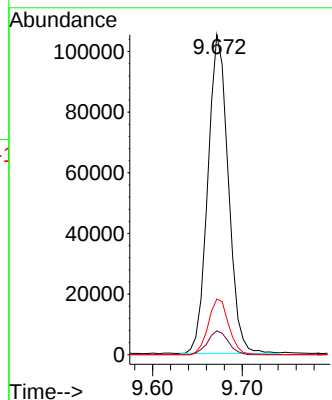
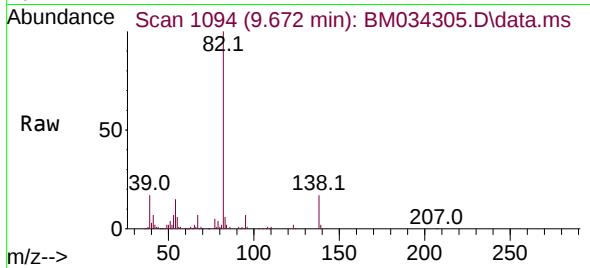




#25
Isophorone
Concen: 7.975 ng
RT: 9.672 min Scan# 1094
Delta R.T. -0.018 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

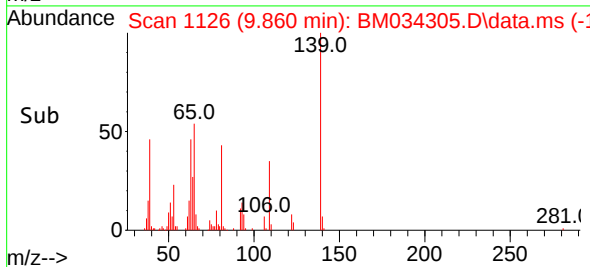
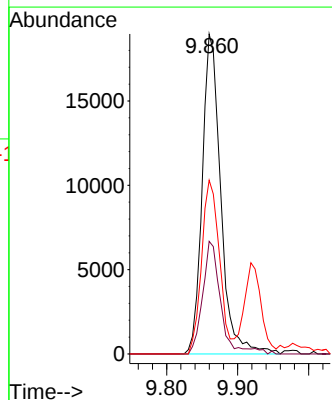
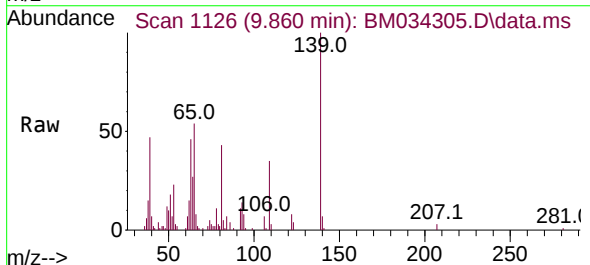
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

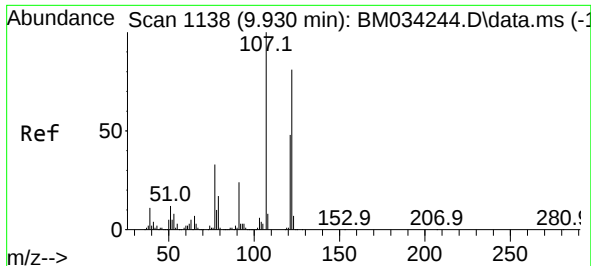
Tgt Ion: 82 Resp: 166232
Ion Ratio Lower Upper
82 100
95 7.4 6.6 9.8
138 17.4 14.4 21.6



#26
2-Nitrophenol
Concen: 6.691 ng
RT: 9.860 min Scan# 1126
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 139 Resp: 34506
Ion Ratio Lower Upper
139 100
109 35.2 28.1 42.1
65 54.3 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 8.199 ng

RT: 9.919 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BM034305.D

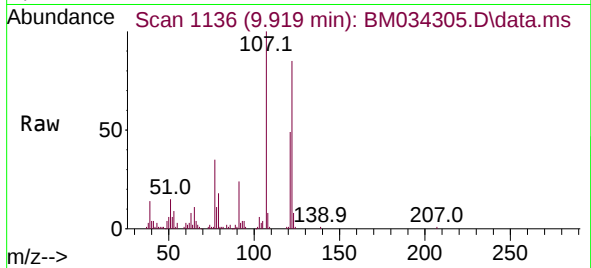
Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



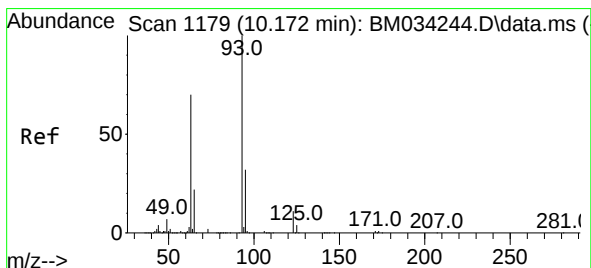
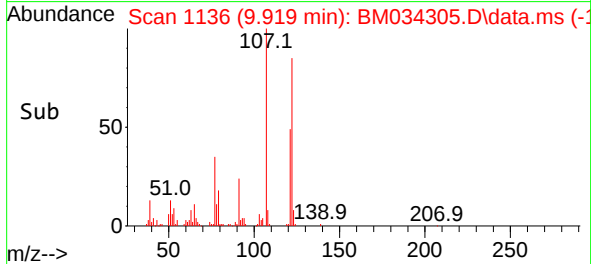
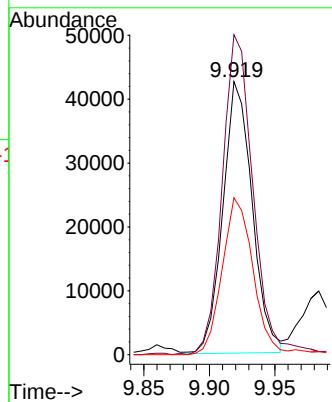
Tgt Ion:122 Resp: 66213

Ion Ratio Lower Upper

122 100

107 117.2 99.0 148.6

121 57.5 47.7 71.5



#28

bis(2-Chloroethoxy)methane

Concen: 7.434 ng

RT: 10.160 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

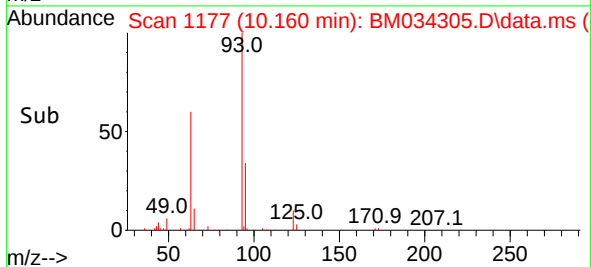
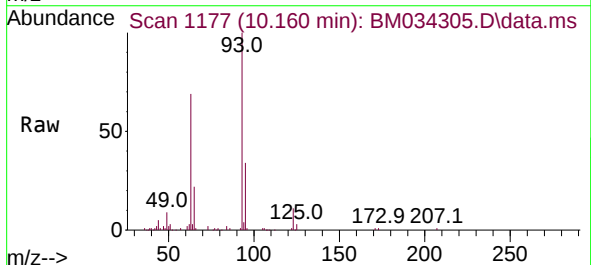
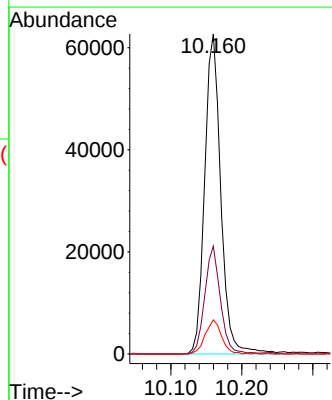
Tgt Ion: 93 Resp: 99200

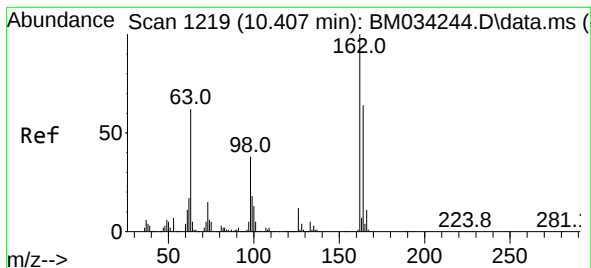
Ion Ratio Lower Upper

93 100

95 33.7 26.0 39.0

123 10.7 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 6.715 ng

RT: 10.395 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

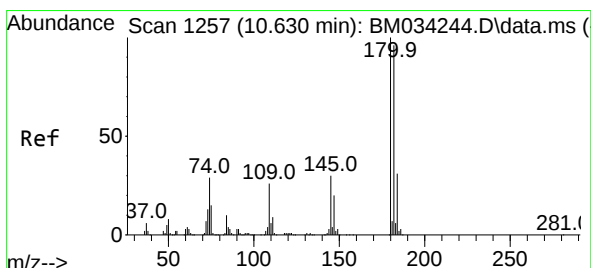
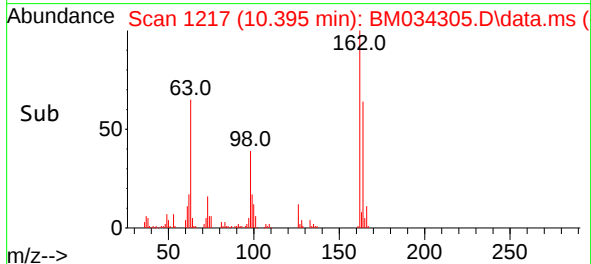
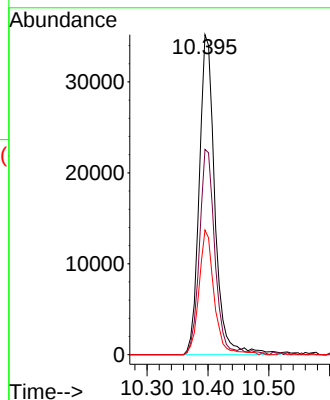
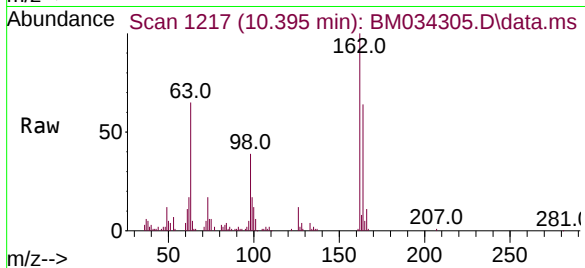
Tgt Ion:162 Resp: 63006

Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

98 39.0 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 7.350 ng

RT: 10.619 min Scan# 1255

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

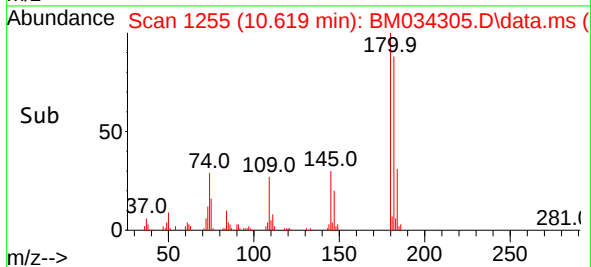
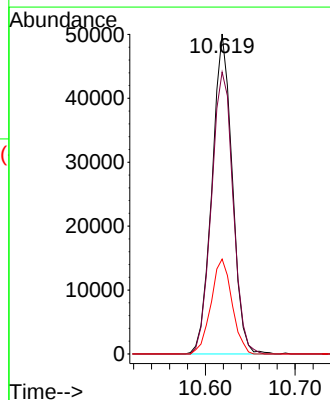
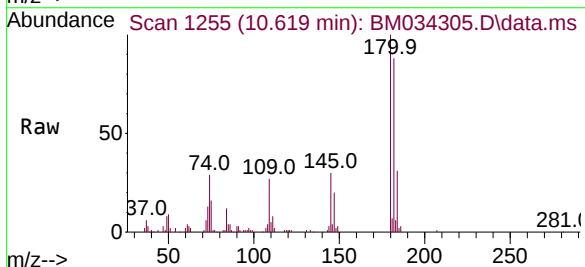
Tgt Ion:180 Resp: 78394

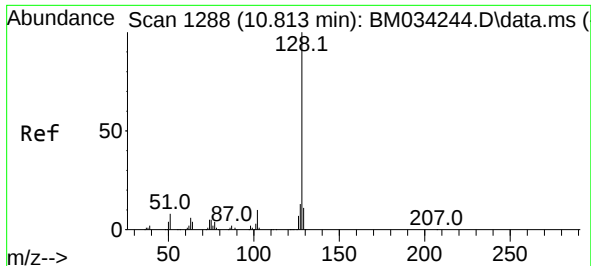
Ion Ratio Lower Upper

180 100

182 88.1 77.0 115.4

145 29.6 23.7 35.5

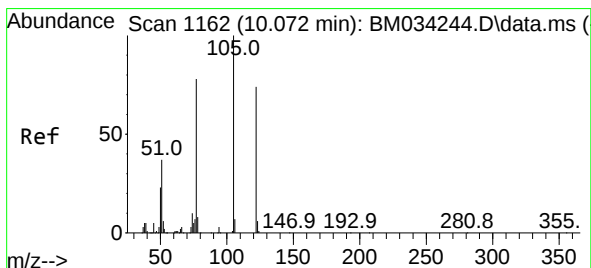
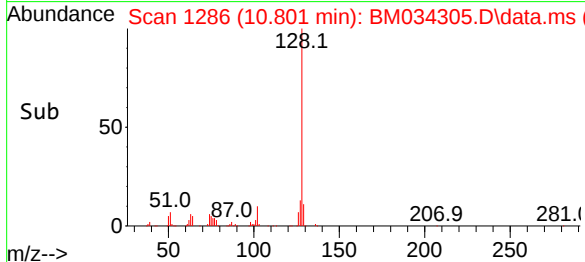
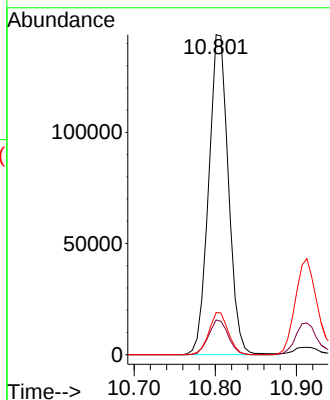
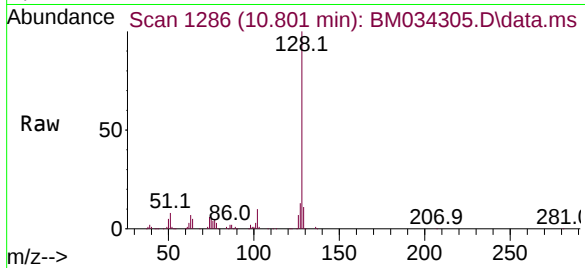




#31
Naphthalene
Concen: 7.691 ng
RT: 10.801 min Scan# 1147
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

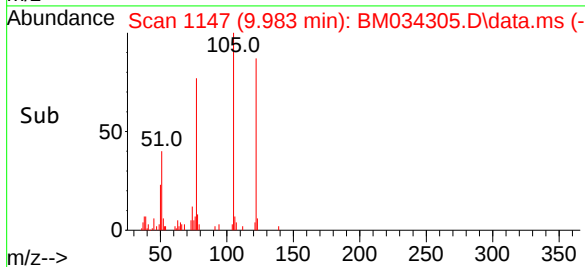
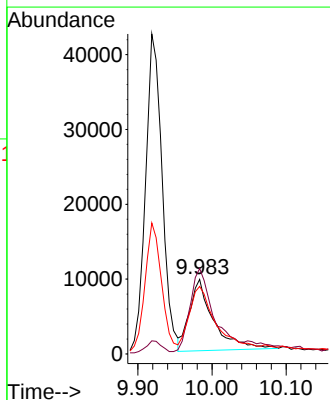
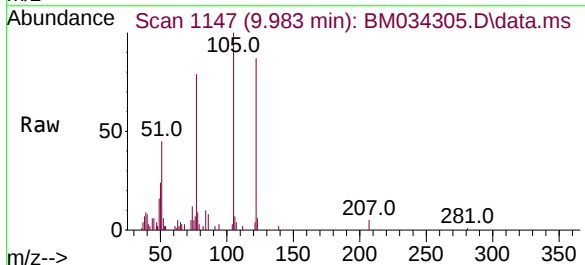
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

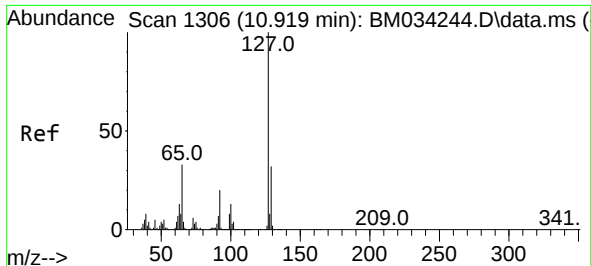
Tgt Ion:128 Resp: 242993
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.2 15.4



#32
Benzoic acid
Concen: 3.227 ng
RT: 9.983 min Scan# 1147
Delta R.T. -0.089 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:122 Resp: 21548
Ion Ratio Lower Upper
122 100
105 114.5 109.6 149.6
77 90.5 83.1 123.1

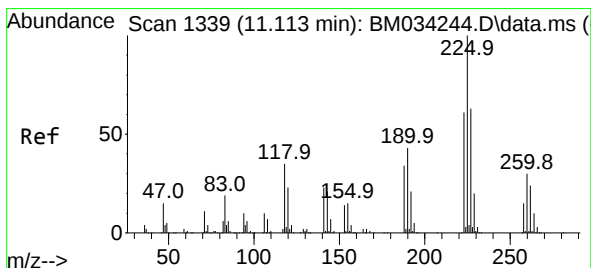
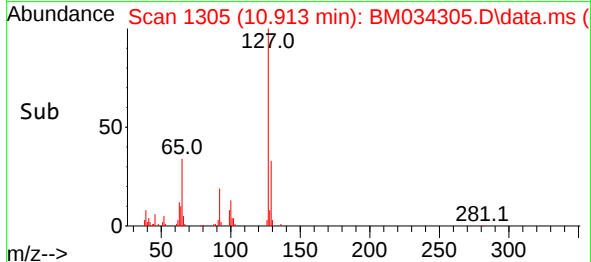
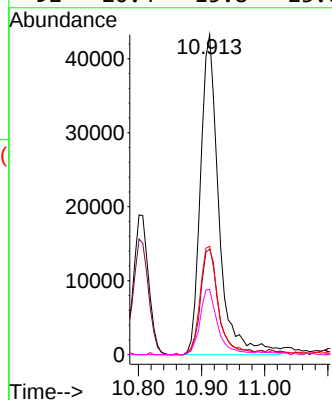
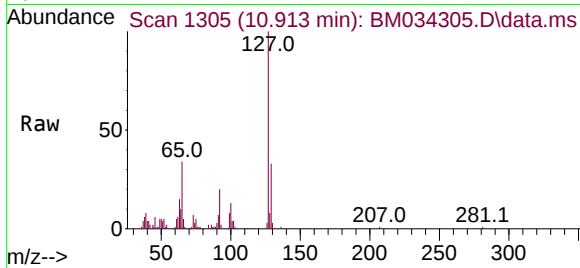




#33
4-Chloroaniline
Concen: 7.035 ng
RT: 10.913 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

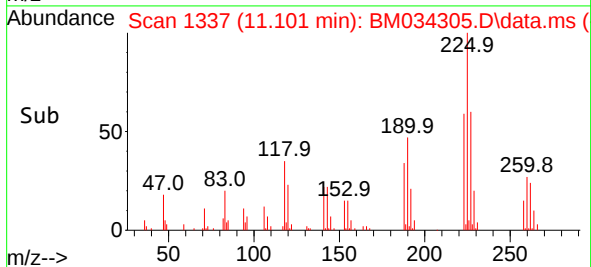
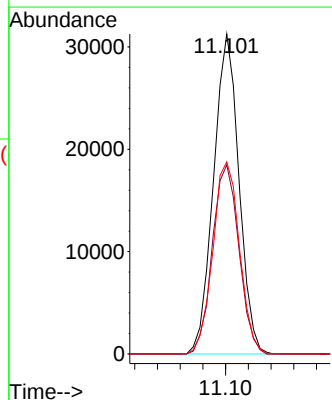
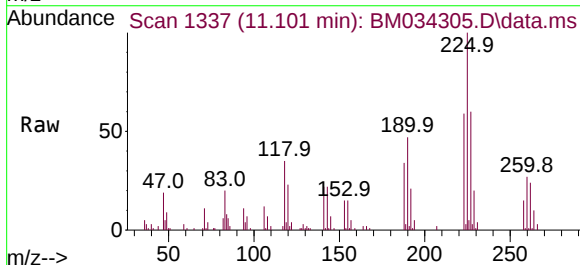
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2021

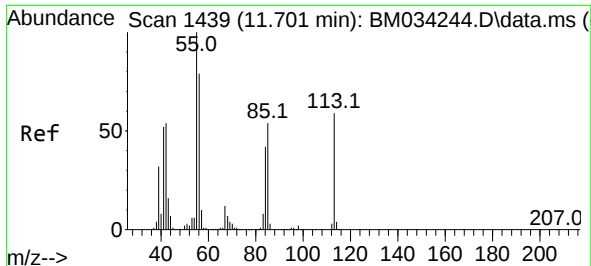
Tgt Ion:	127	Resp:	87681
Ion Ratio	Lower	Upper	
127	100		
129	33.0	25.4	38.2
65	33.9	26.2	39.2
92	20.4	15.8	23.6



#34
Hexachlorobutadiene
Concen: 7.180 ng
RT: 11.101 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:	225	Resp:	48506
Ion Ratio	Lower	Upper	
225	100		
223	59.1	49.0	73.4
227	60.1	50.2	75.2

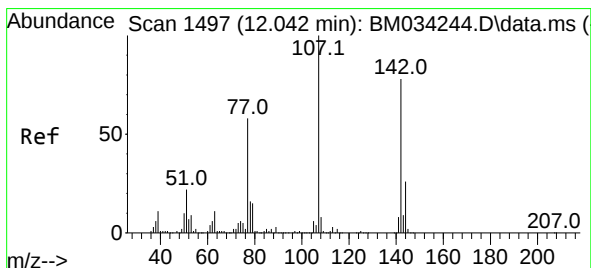
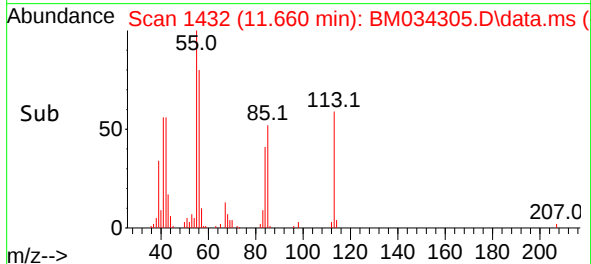
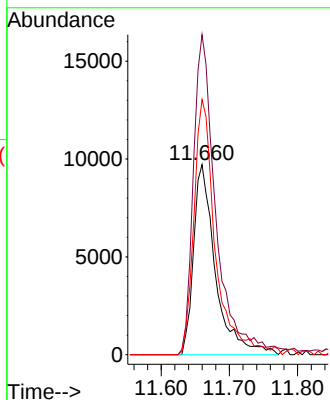
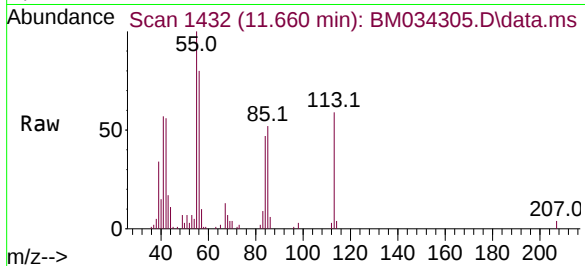




#35
 Caprolactam
 Concen: 6.653 ng
 RT: 11.660 min Scan# 1432
 Delta R.T. -0.041 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

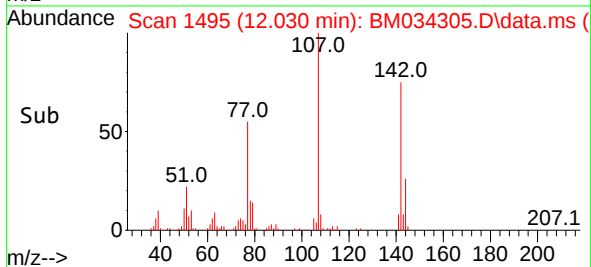
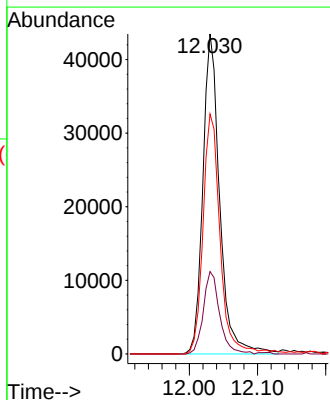
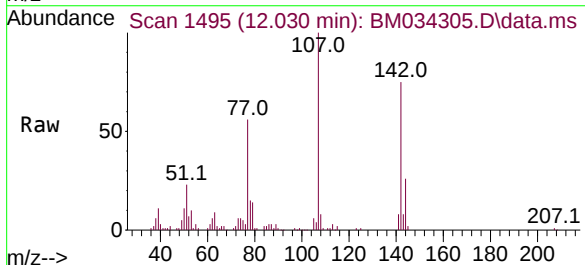
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

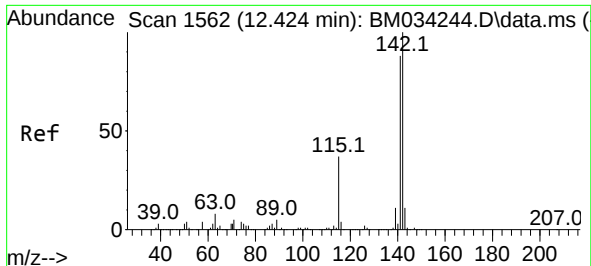
Tgt Ion:113 Resp: 21701
 Ion Ratio Lower Upper
 113 100
 55 168.4 148.9 188.9
 56 134.2 113.3 153.3



#36
 4-Chloro-3-methylphenol
 Concen: 6.957 ng
 RT: 12.030 min Scan# 1495
 Delta R.T. -0.012 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

Tgt Ion:107 Resp: 74803
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.8 31.2
 142 75.0 62.7 94.1

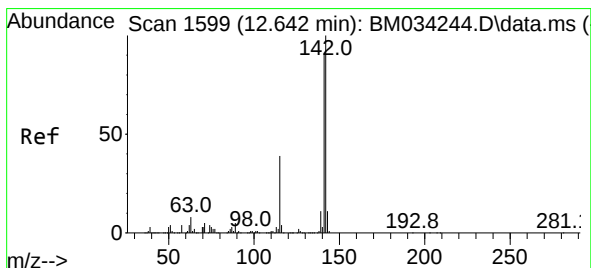
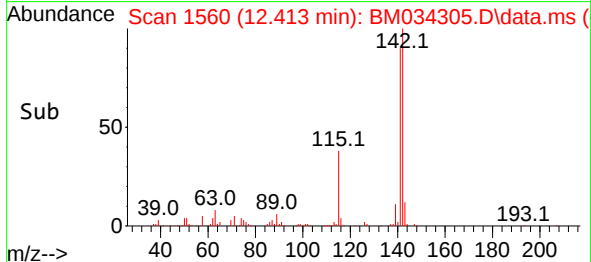
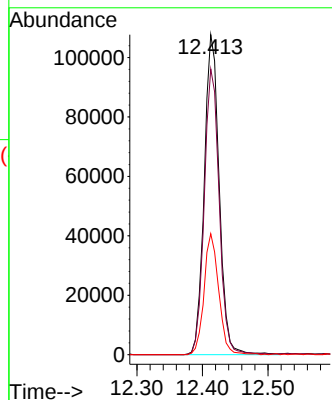
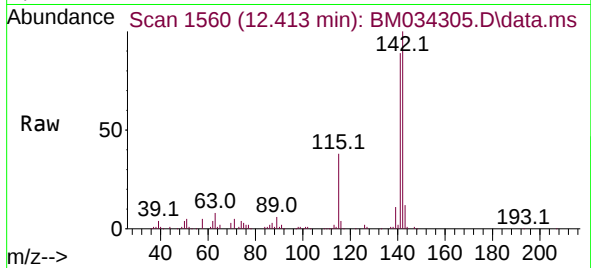




#37
2-Methylnaphthalene
Concen: 7.620 ng
RT: 12.413 min Scan# 1562
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

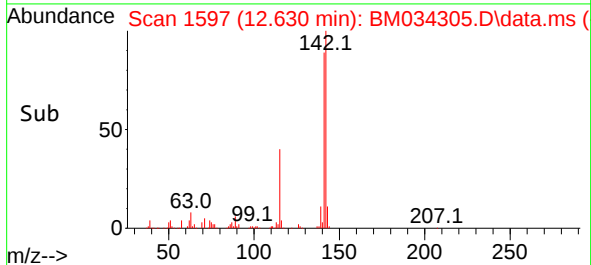
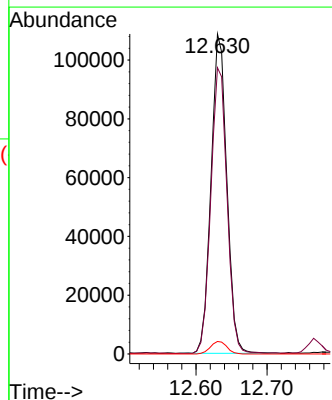
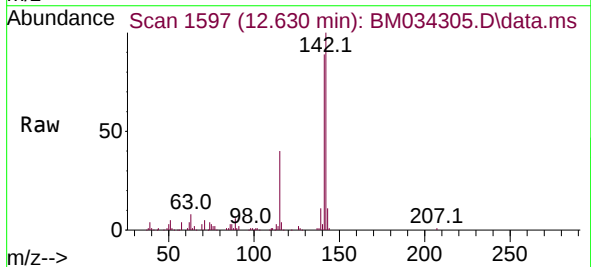
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

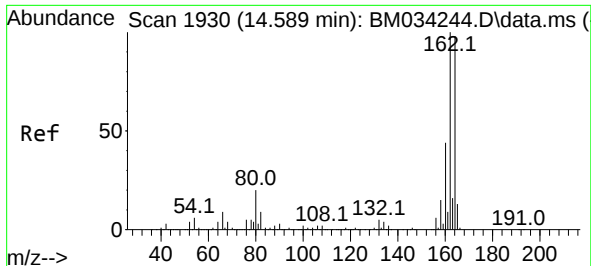
Tgt Ion:142 Resp: 171788
Ion Ratio Lower Upper
142 100
141 89.3 70.1 105.1
115 37.8 29.9 44.9



#38
1-Methylnaphthalene
Concen: 7.606 ng
RT: 12.630 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:142 Resp: 167746
Ion Ratio Lower Upper
142 100
141 89.4 73.0 109.6
116 3.9 3.2 4.8

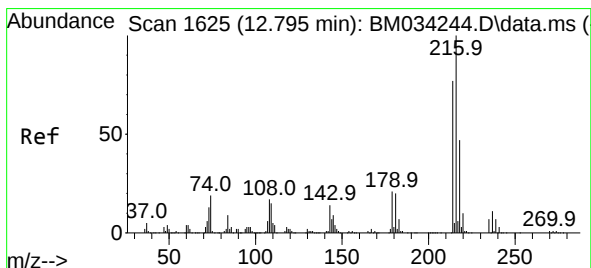
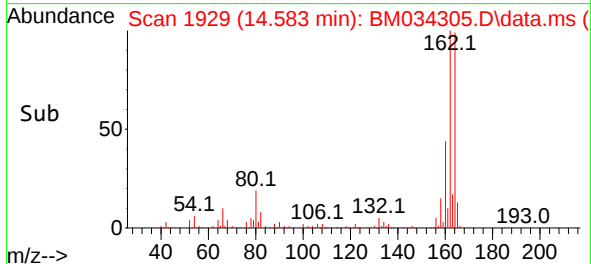
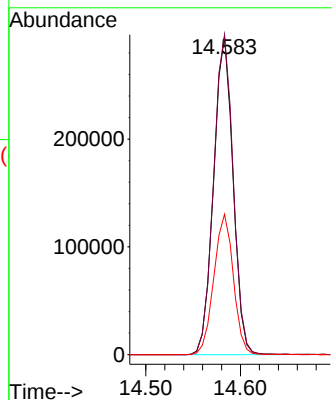
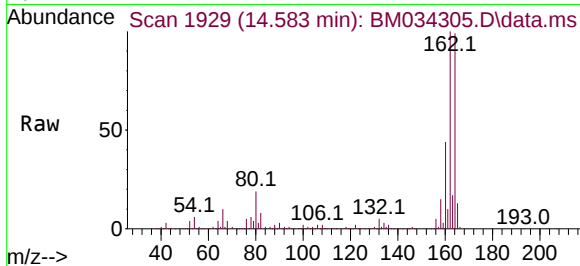




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

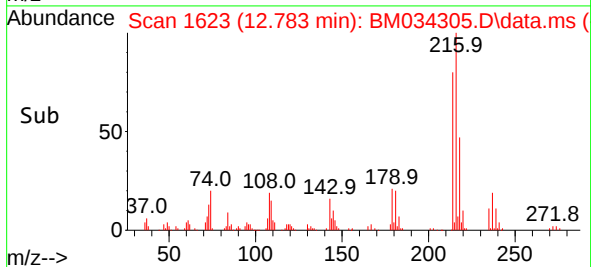
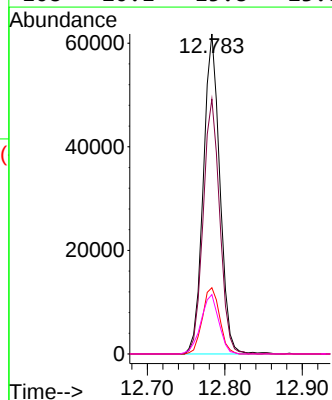
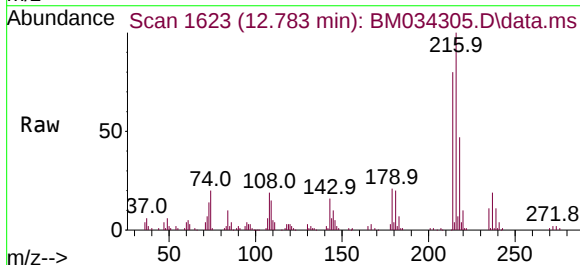
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

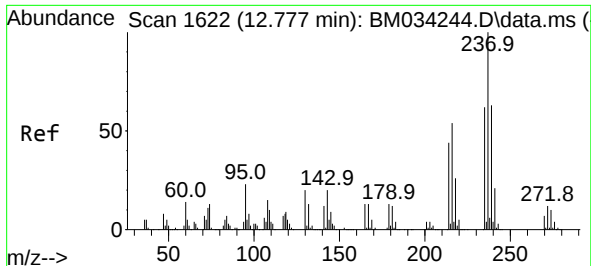
Tgt Ion:164 Resp: 419587
Ion Ratio Lower Upper
164 100
162 100.5 81.6 122.4
160 44.1 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.219 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:216 Resp: 91407
Ion Ratio Lower Upper
216 100
214 79.7 62.7 94.1
179 21.5 17.2 25.8
108 20.1 15.8 23.8

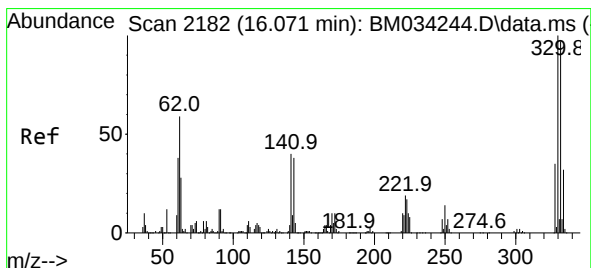
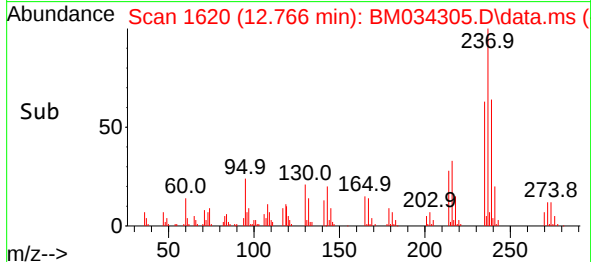
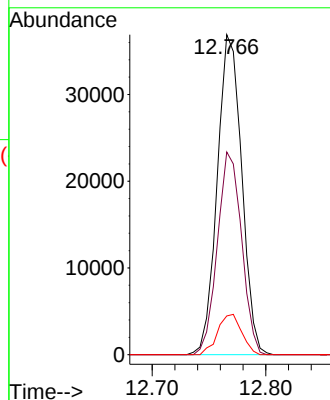
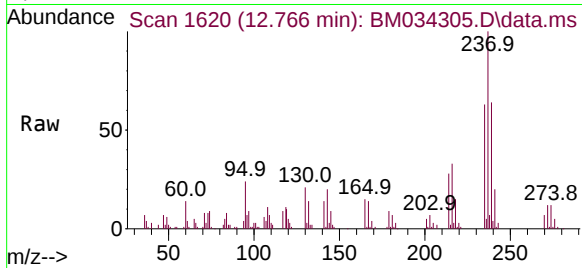




#41
Hexachlorocyclopentadiene
Concen: 7.539 ng
RT: 12.766 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

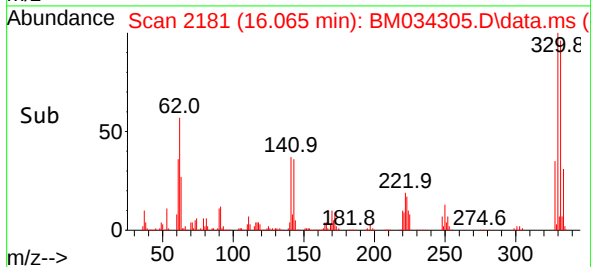
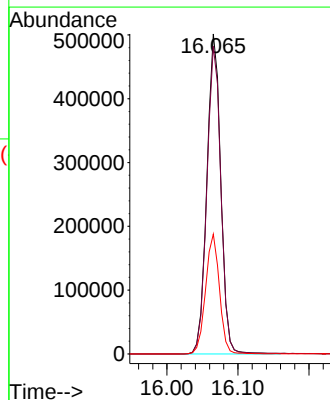
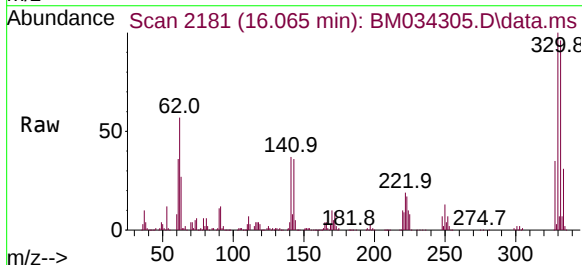
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

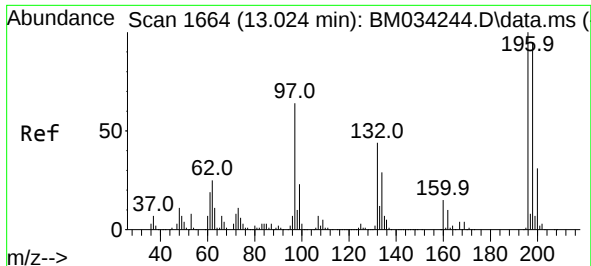
Tgt Ion:237 Resp: 55277
Ion Ratio Lower Upper
237 100
235 63.3 42.1 82.1
272 12.1 0.0 32.3



#42
2,4,6-Tribromophenol
Concen: 120.823 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:330 Resp: 683314
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.4
141 37.4 30.6 45.8

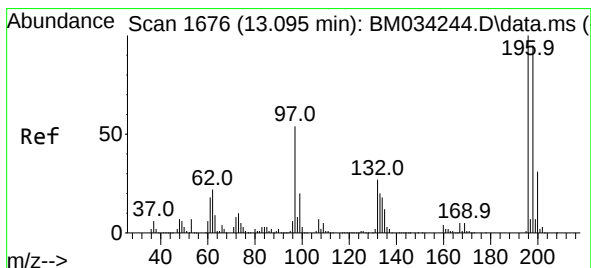
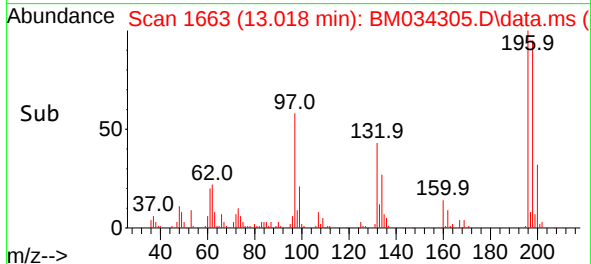
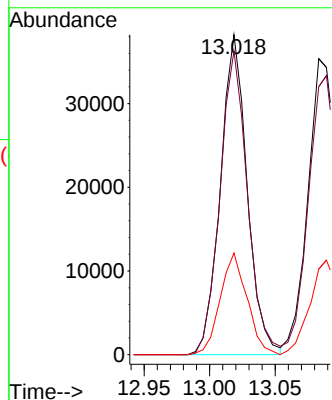
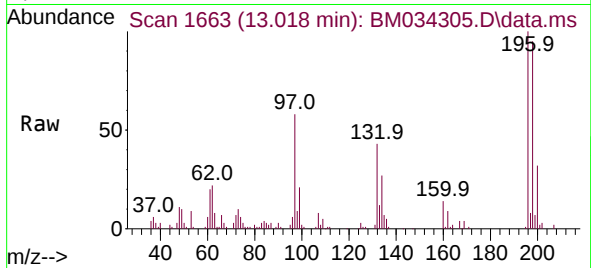




#43
2,4,6-Trichlorophenol
Concen: 6.206 ng
RT: 13.018 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

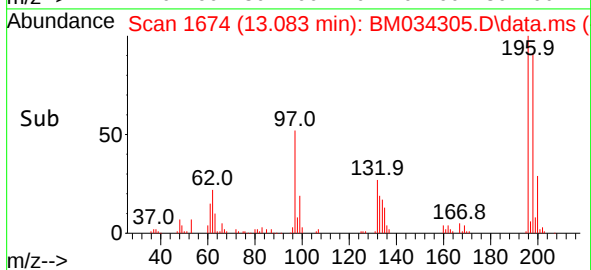
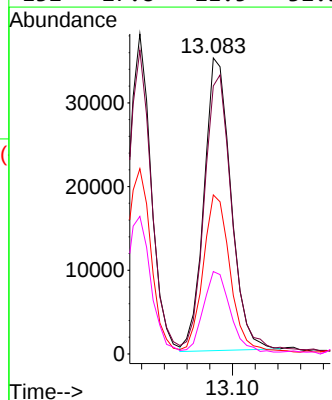
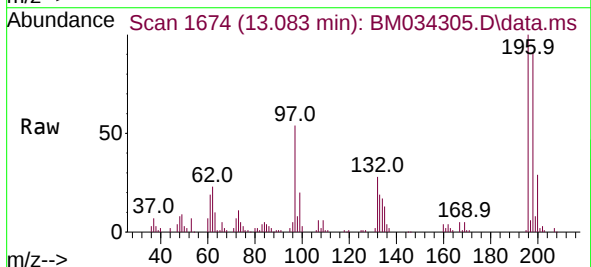
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

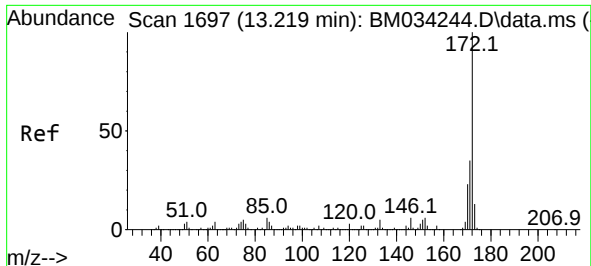
Tgt Ion:196 Resp: 54253
Ion Ratio Lower Upper
196 100
198 95.0 76.1 114.1
200 31.8 24.9 37.3



#44
2,4,5-Trichlorophenol
Concen: 6.134 ng
RT: 13.083 min Scan# 1674
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:196 Resp: 57558
Ion Ratio Lower Upper
196 100
198 90.5 75.9 113.9
97 53.8 43.2 64.8
132 27.8 21.5 32.3

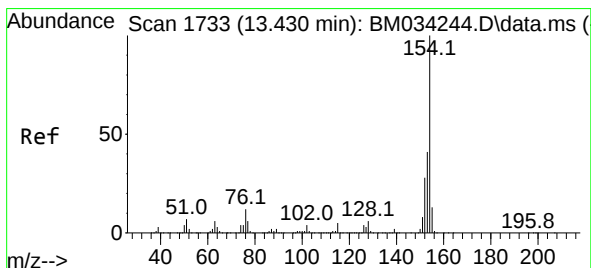
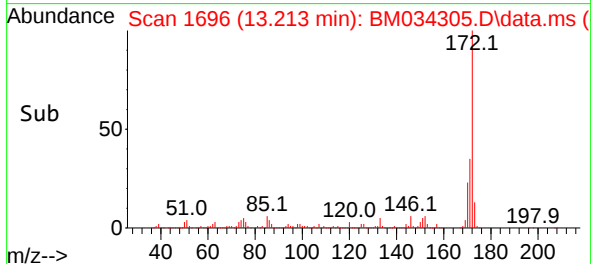
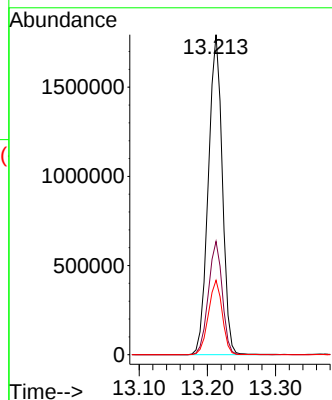
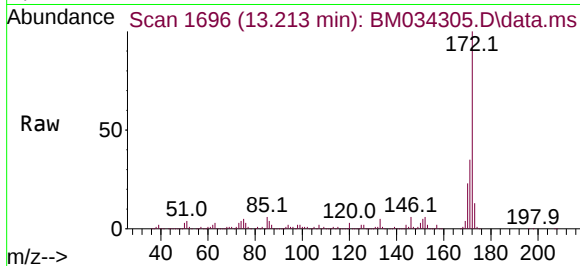




#45
2-Fluorobiphenyl
Concen: 83.314 ng
RT: 13.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

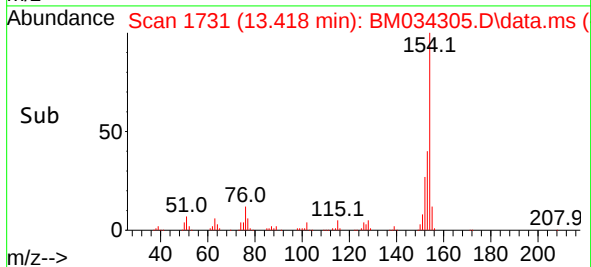
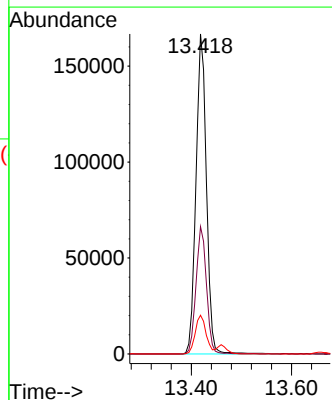
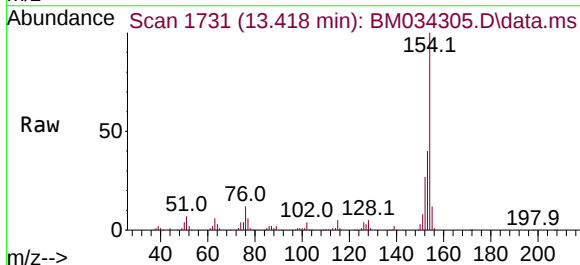
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

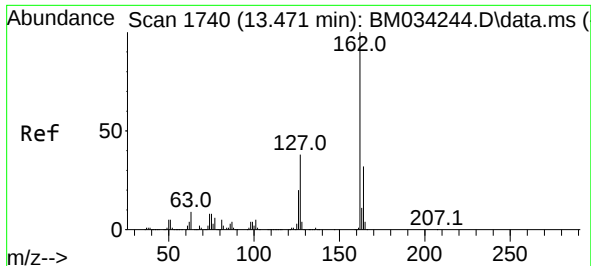
Tgt Ion:172 Resp: 2558185
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.2 18.6 28.0



#46
1,1'-Biphenyl
Concen: 7.525 ng
RT: 13.418 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:154 Resp: 240753
Ion Ratio Lower Upper
154 100
153 39.8 21.0 61.0
76 12.1 0.0 32.1

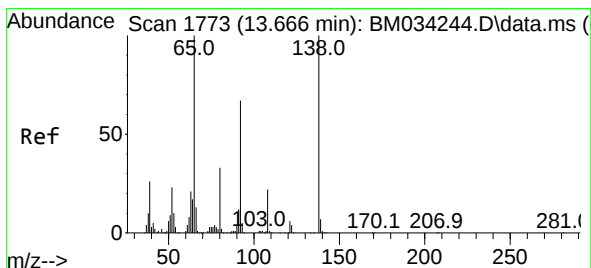
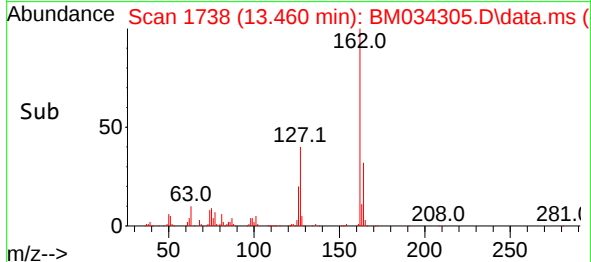
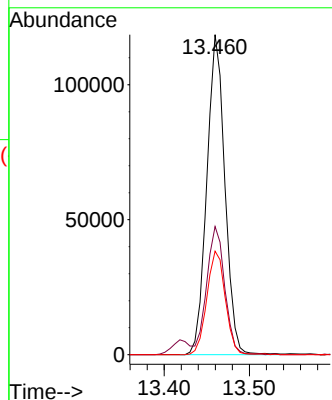
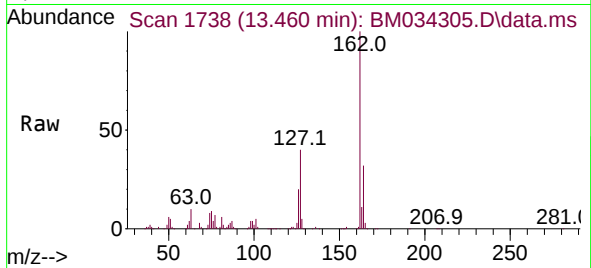




#47
2-Chloronaphthalene
Concen: 7.115 ng
RT: 13.460 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

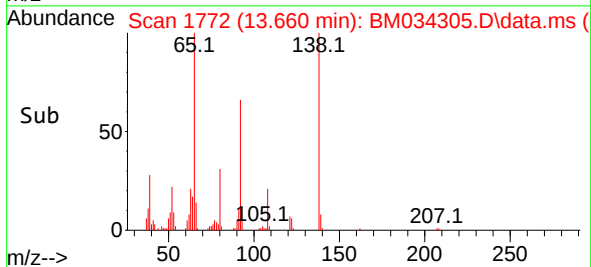
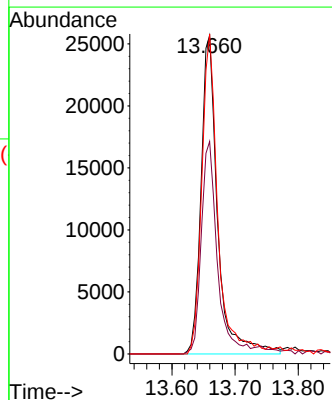
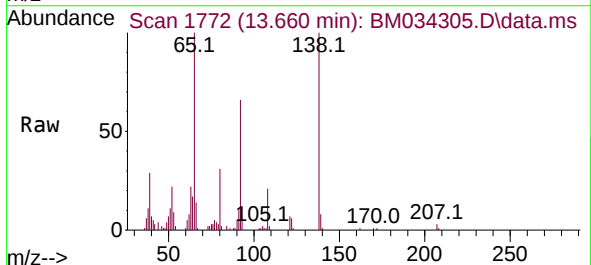
Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT4-2021

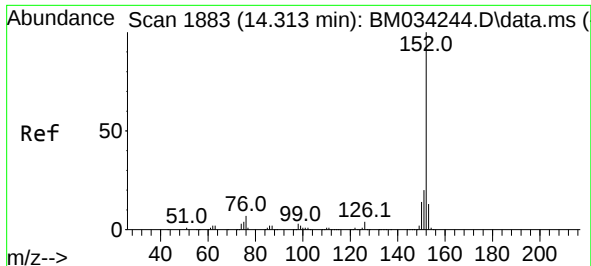
Tgt Ion:162 Resp: 174719
Ion Ratio Lower Upper
162 100
127 40.0 30.4 45.6
164 32.3 25.8 38.8



#48
2-Nitroaniline
Concen: 6.236 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion: 65 Resp: 46819
Ion Ratio Lower Upper
65 100
92 66.7 53.8 80.8
138 100.5 79.9 119.9

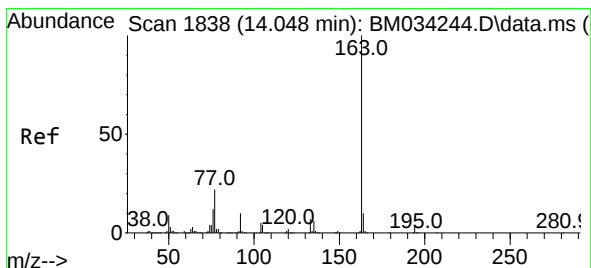
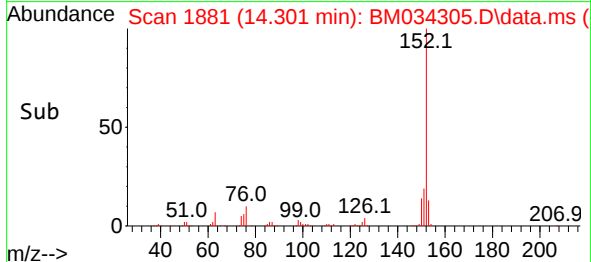
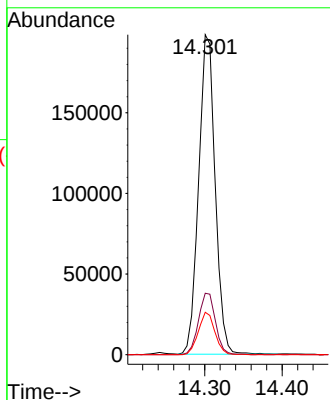
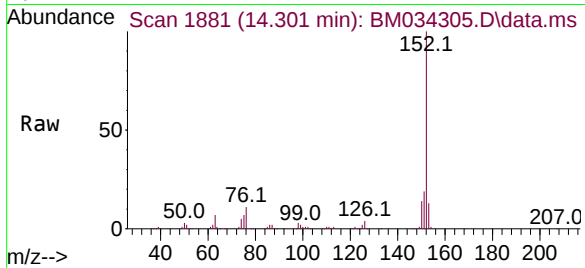




#49
Acenaphthylene
Concen: 7.668 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

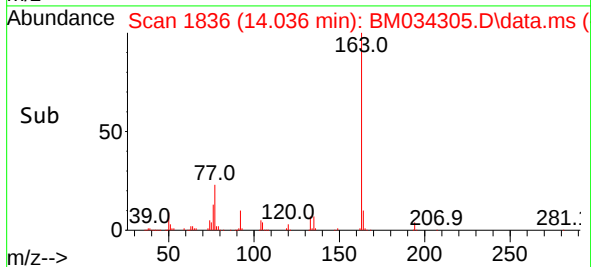
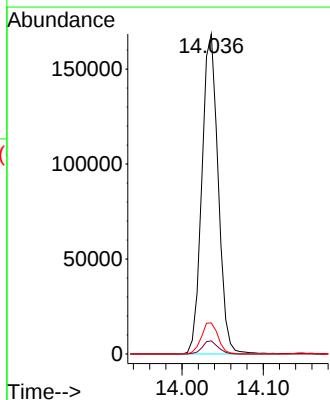
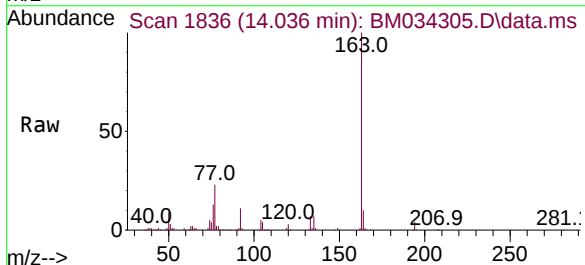
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

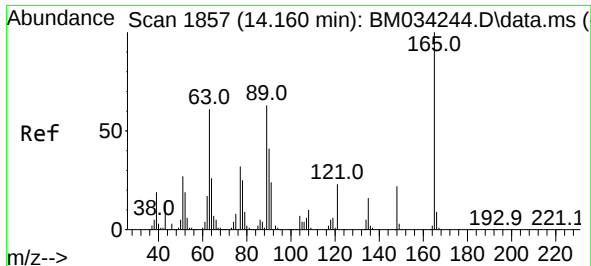
Tgt Ion:152 Resp: 293478
Ion Ratio Lower Upper
152 100
151 19.2 15.9 23.9
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 7.341 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:163 Resp: 234437
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.7 8.1 12.1

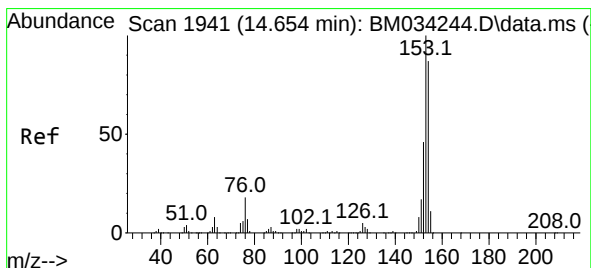
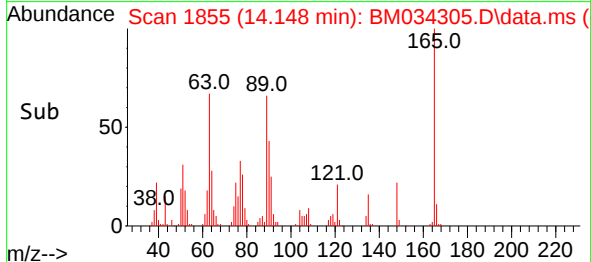
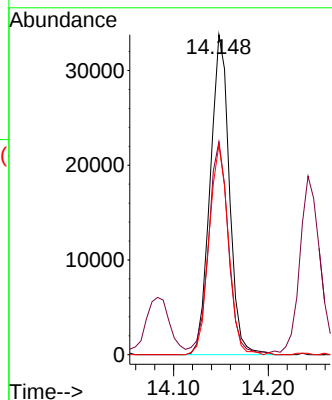
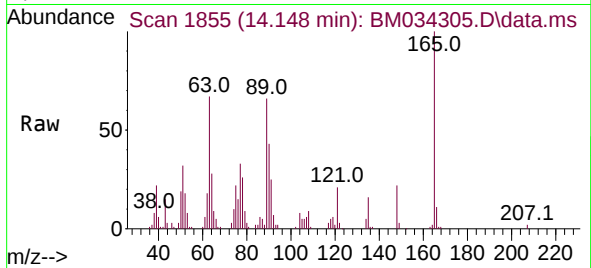




#51
2,6-Dinitrotoluene
Concen: 7.242 ng
RT: 14.148 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

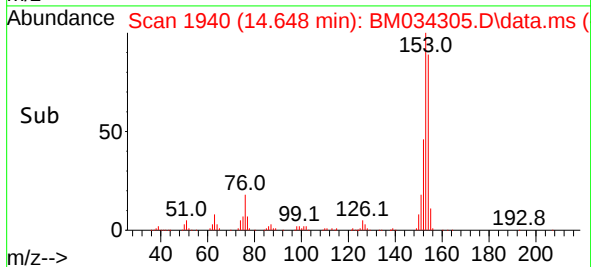
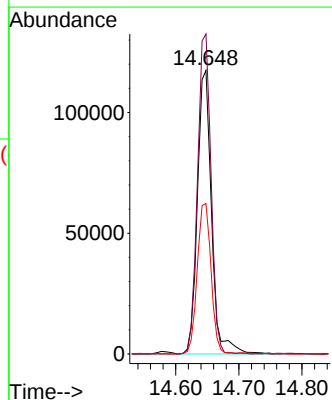
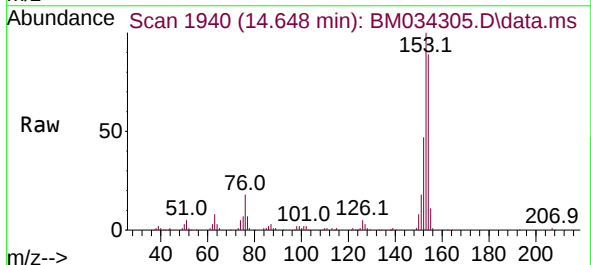
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

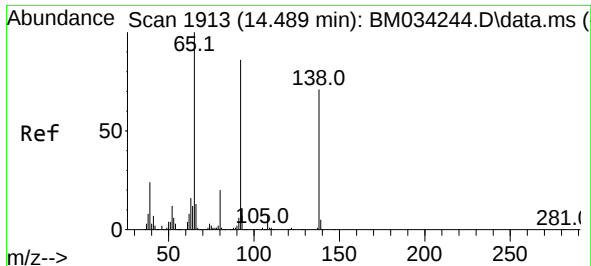
Tgt Ion:165 Resp: 47439
Ion Ratio Lower Upper
165 100
63 66.6 51.9 77.9
89 65.6 50.6 76.0



#52
Acenaphthene
Concen: 7.071 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:154 Resp: 182287
Ion Ratio Lower Upper
154 100
153 112.8 91.8 137.8
152 53.1 42.6 64.0

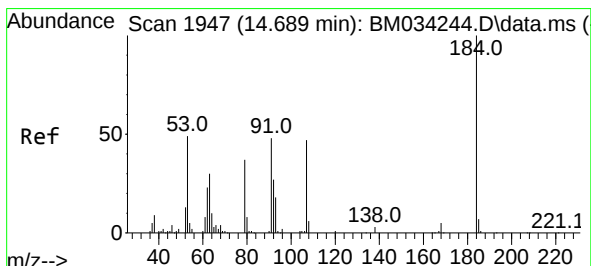
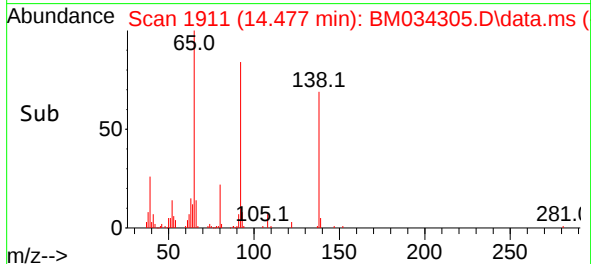
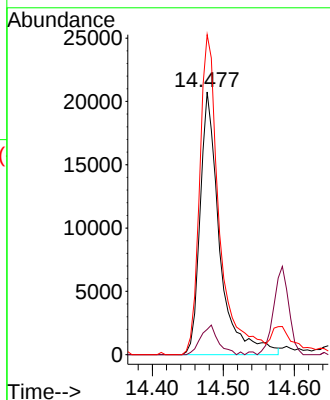
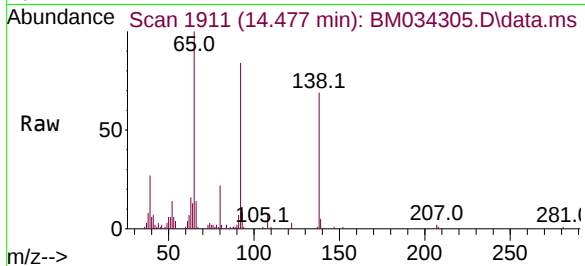




#53
3-Nitroaniline
Concen: 6.035 ng
RT: 14.477 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

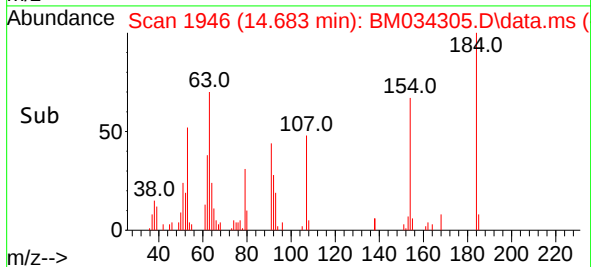
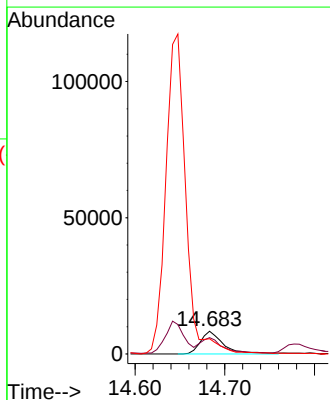
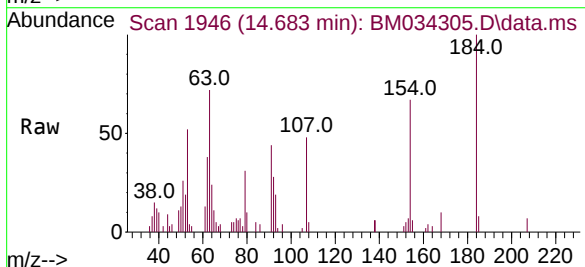
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

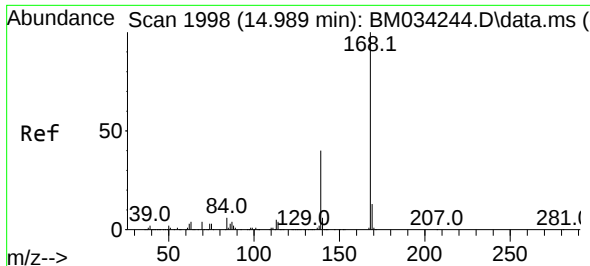
Tgt Ion:138 Resp: 39660
Ion Ratio Lower Upper
138 100
108 9.6 8.3 12.5
92 121.8 97.6 146.4



#54
2,4-Dinitrophenol
Concen: 4.028 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:184 Resp: 14782
Ion Ratio Lower Upper
184 100
63 71.9 58.3 87.5
154 67.0 52.6 78.8

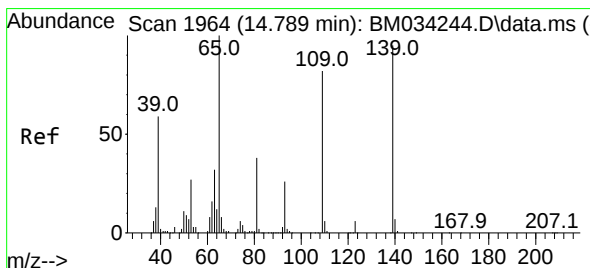
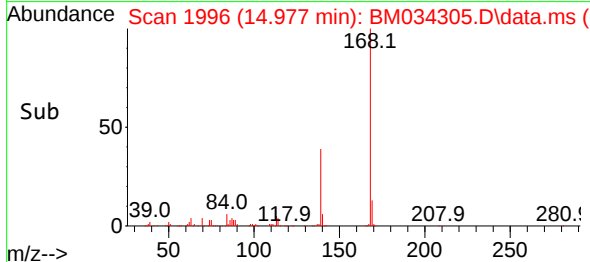
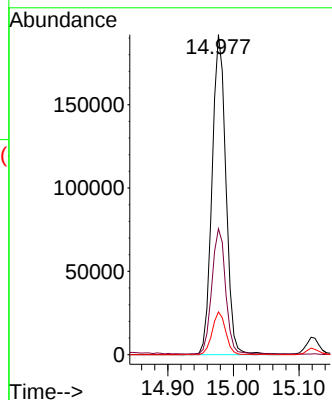
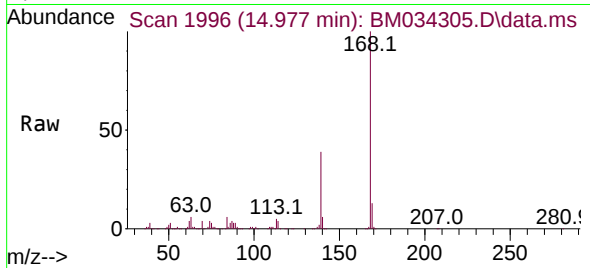




#55
Dibenzenofuran
Concen: 7.347 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

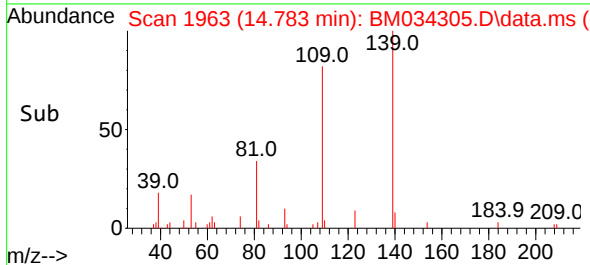
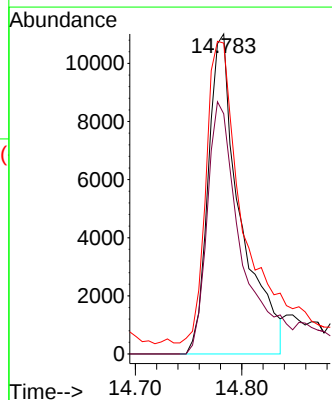
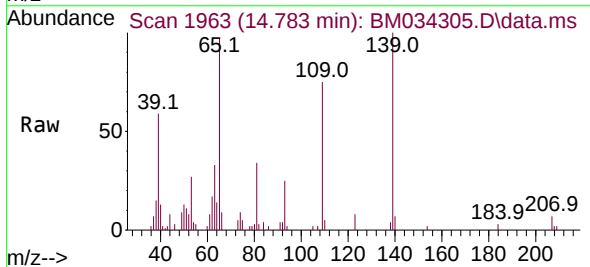
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

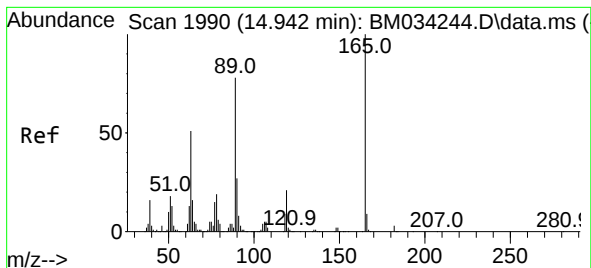
Tgt Ion:168 Resp: 282287
Ion Ratio Lower Upper
168 100
139 39.3 32.4 48.6
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 4.331 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:139 Resp: 23075
Ion Ratio Lower Upper
139 100
109 75.1 66.3 106.3
65 97.1 85.5 125.5





#57

2,4-Dinitrotoluene

Concen: 6.784 ng

RT: 14.936 min Scan# 1990

Delta R.T. -0.006 min

Lab File: BM034305.D

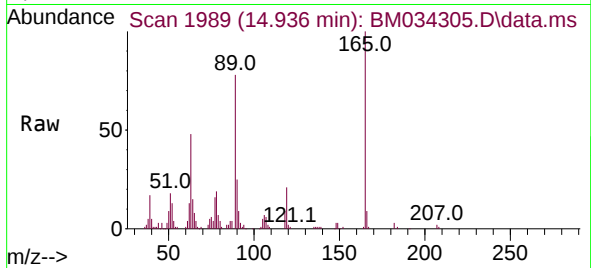
Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:165 Resp: 60065

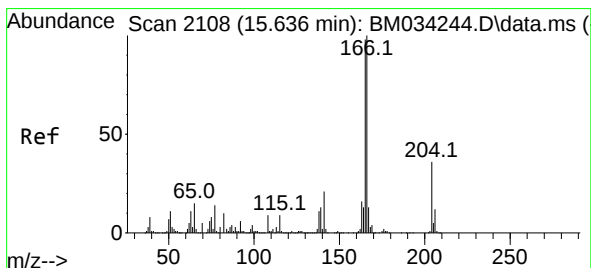
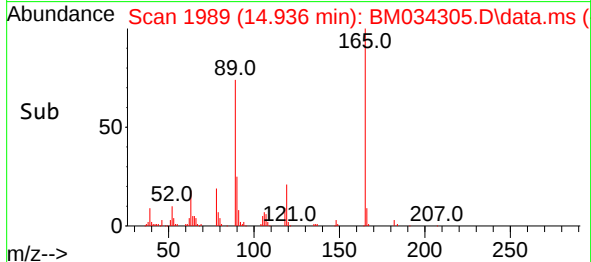
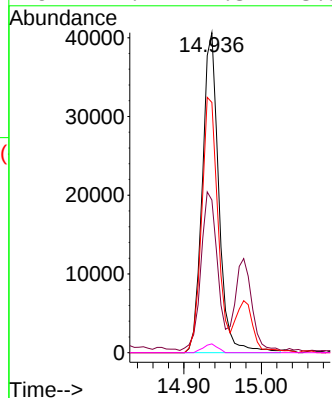
Ion Ratio Lower Upper

165 100

63 47.7 40.6 61.0

89 78.2 62.7 94.1

182 2.7 2.3 3.5



#58

Fluorene

Concen: 7.274 ng

RT: 15.624 min Scan# 2106

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

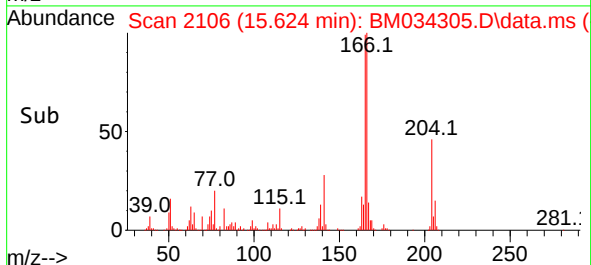
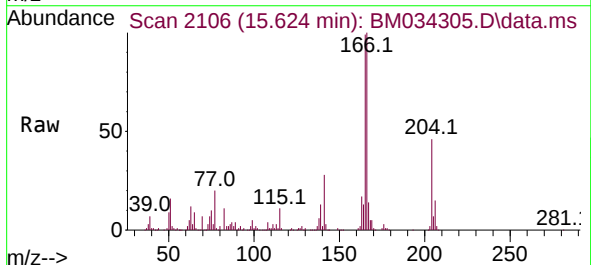
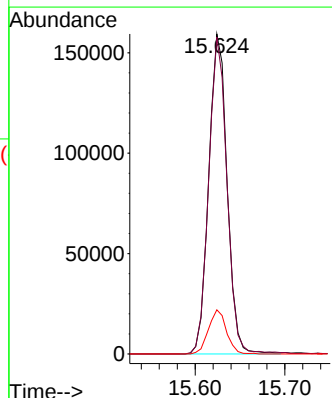
Tgt Ion:166 Resp: 226869

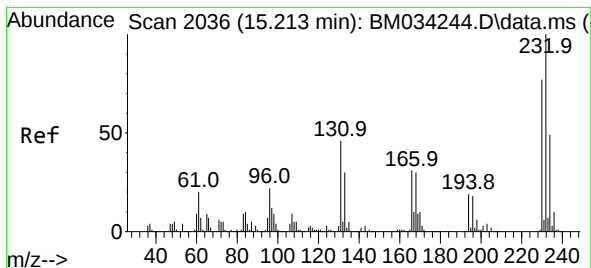
Ion Ratio Lower Upper

166 100

165 99.0 78.0 117.0

167 13.8 10.5 15.7

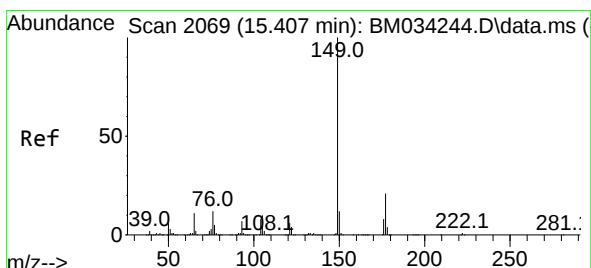
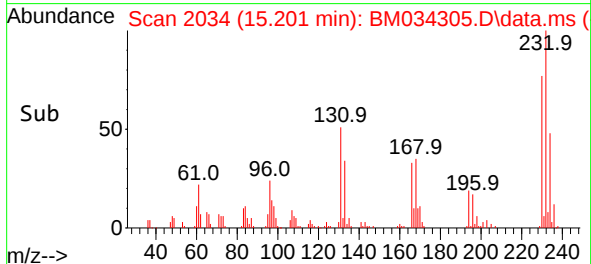
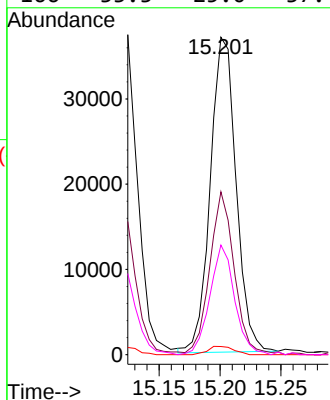
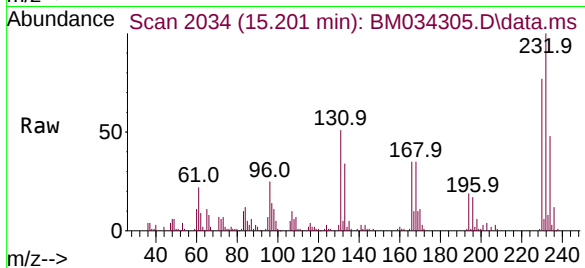




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.436 ng
RT: 15.201 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

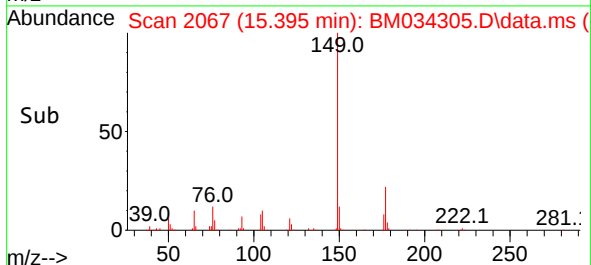
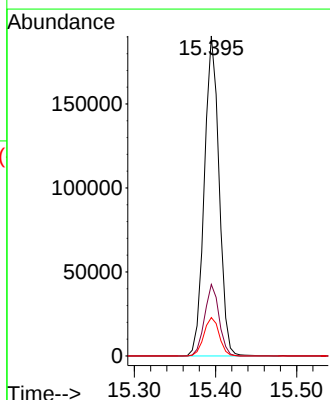
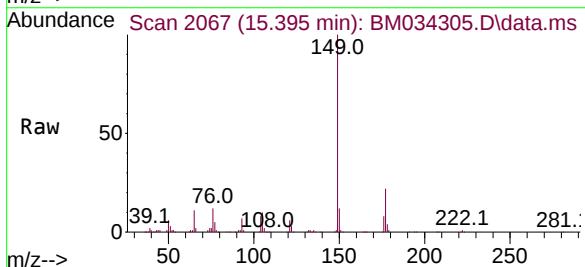
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

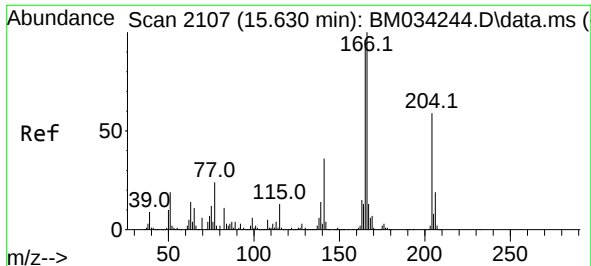
Tgt Ion:232 Resp: 54457
Ion Ratio Lower Upper
232 100
131 49.3 38.0 57.0
130 2.7 2.2 3.2
166 33.3 25.0 37.4



#60
Diethylphthalate
Concen: 7.302 ng
RT: 15.395 min Scan# 2067
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:149 Resp: 239244
Ion Ratio Lower Upper
149 100
177 22.3 17.1 25.7
150 12.0 9.9 14.9

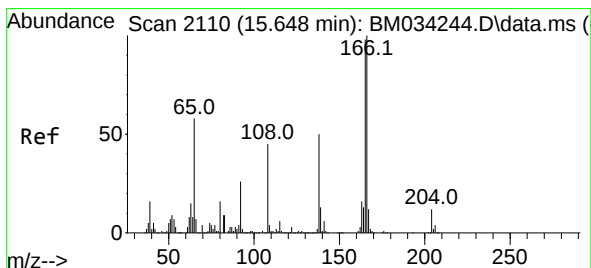
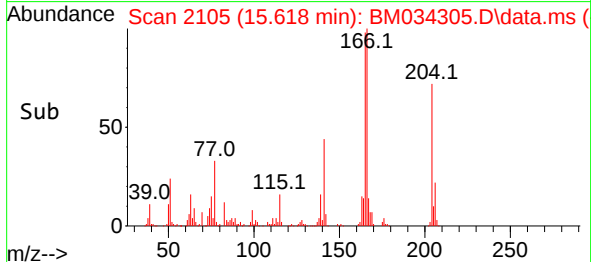
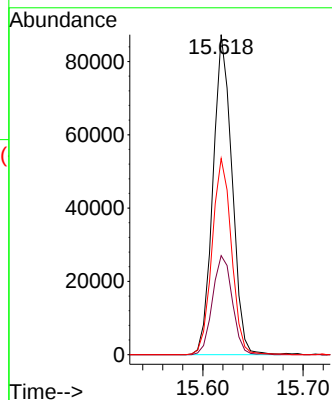
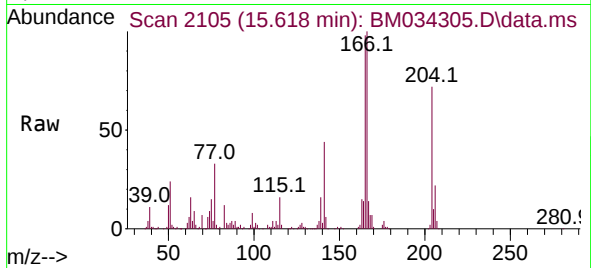




#61
4-Chlorophenyl-phenylether
Concen: 7.236 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

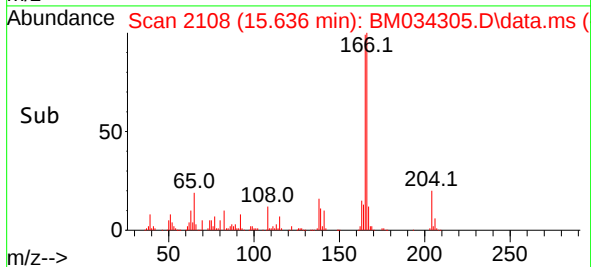
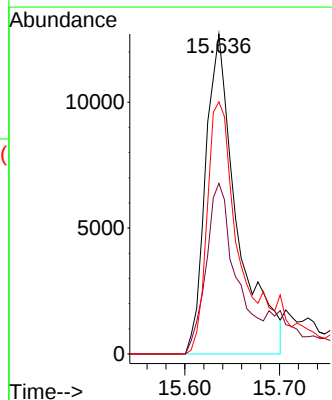
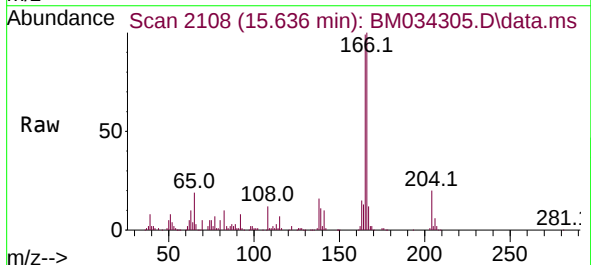
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

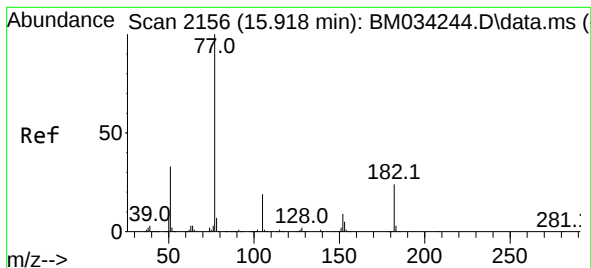
Tgt Ion:204 Resp: 115227
Ion Ratio Lower Upper
204 100
206 31.0 26.4 39.6
141 61.3 49.4 74.2



#62
4-Nitroaniline
Concen: 4.659 ng
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:138 Resp: 29453
Ion Ratio Lower Upper
138 100
92 53.3 32.6 72.6
108 78.8 69.8 109.8





#63

Azobenzene

Concen: 7.187 ng

RT: 15.912 min Scan# 2156

Delta R.T. -0.006 min

Lab File: BM034305.D

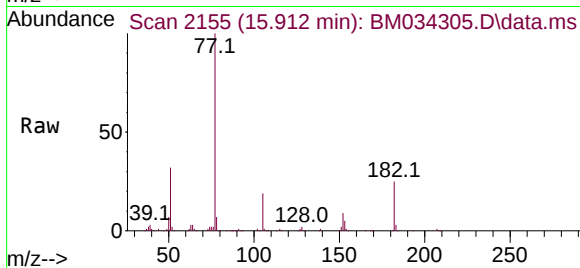
Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion: 77 Resp: 227069

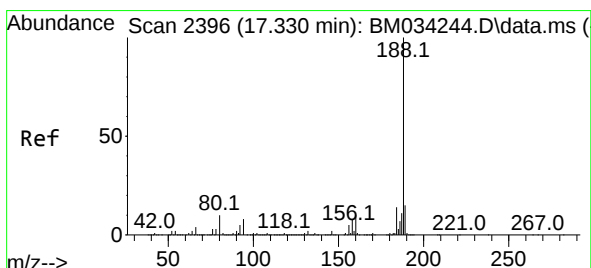
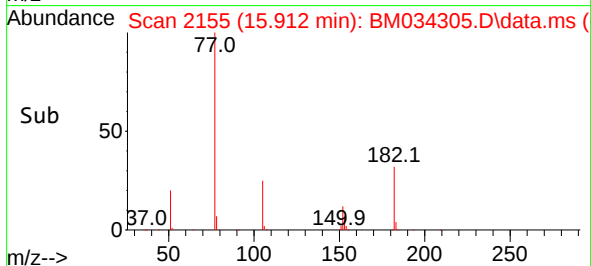
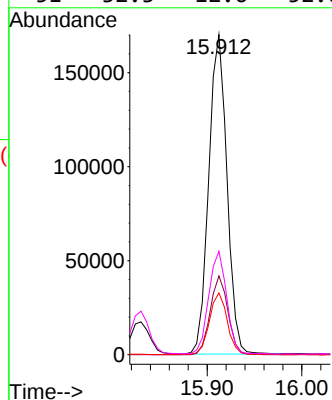
Ion Ratio Lower Upper

77 100

182 24.6 4.4 44.4

105 19.3 0.0 38.7

51 32.3 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: BM034305.D

Acq: 22 Mar 2022 11:33

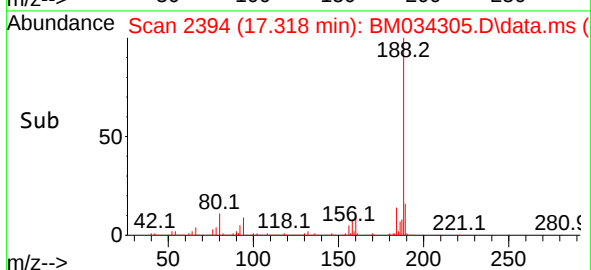
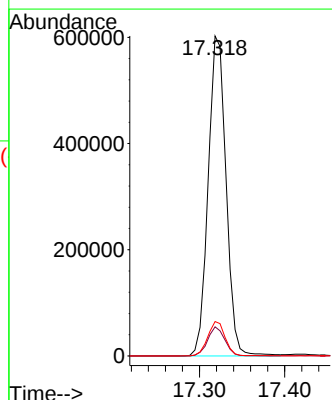
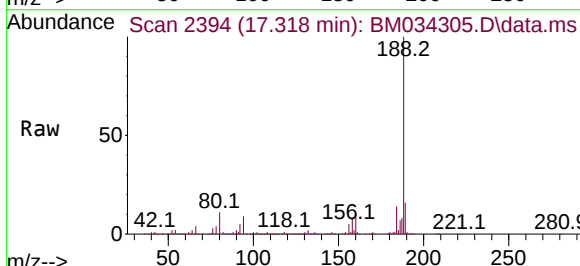
Tgt Ion: 188 Resp: 879271

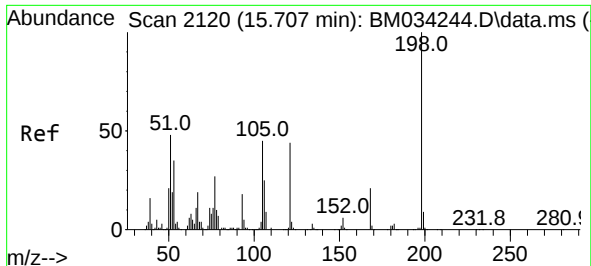
Ion Ratio Lower Upper

188 100

94 9.1 6.6 9.8

80 10.8 7.8 11.8

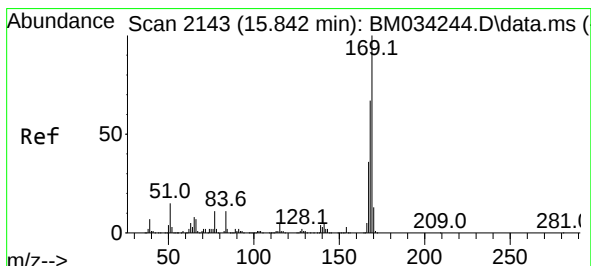
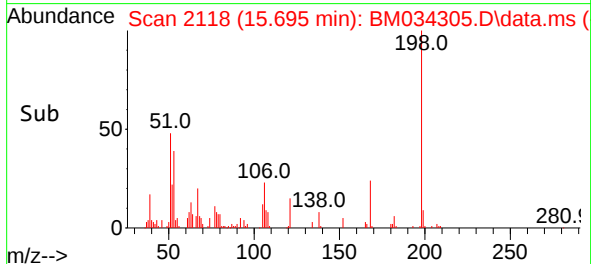
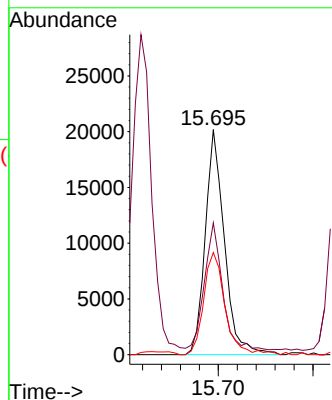
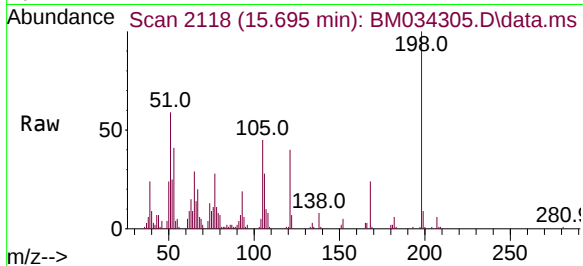




#65
4,6-Dinitro-2-methylphenol
Concen: 4.954 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

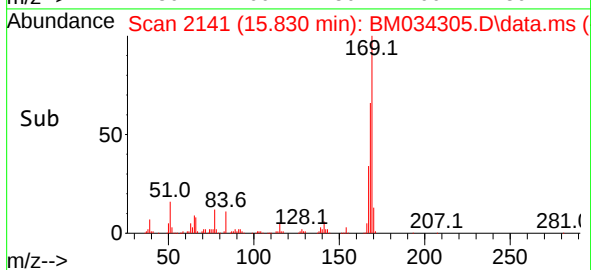
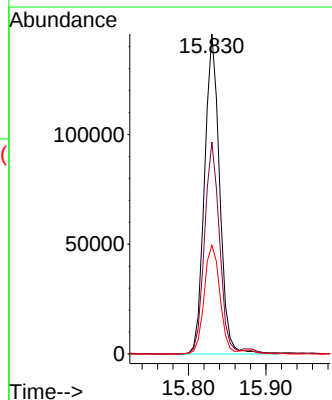
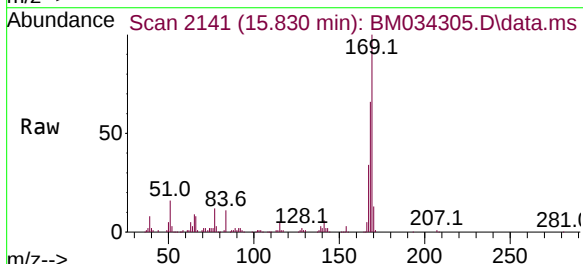
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

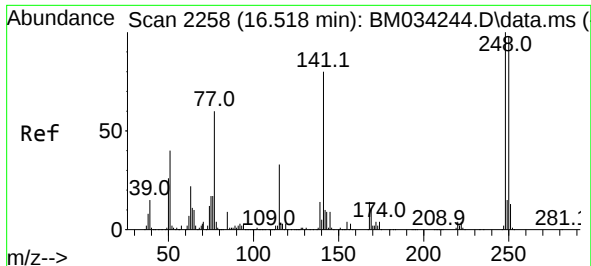
Tgt Ion:198	Resp:	28323
Ion Ratio	Lower	Upper
198	100	
51	58.6	29.0 69.0
105	45.4	25.3 65.3



#66
n-Nitrosodiphenylamine
Concen: 7.058 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:169	Resp:	197149
Ion Ratio	Lower	Upper
169	100	
168	66.2	53.9 80.9
167	33.9	29.0 43.4

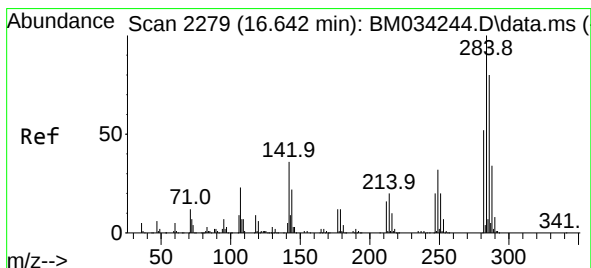
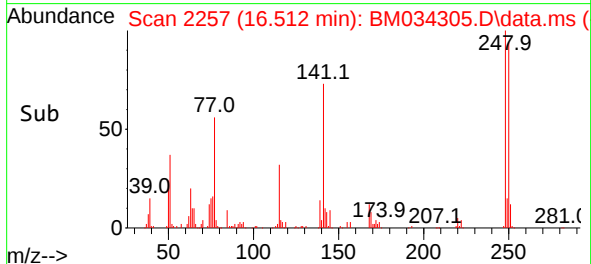
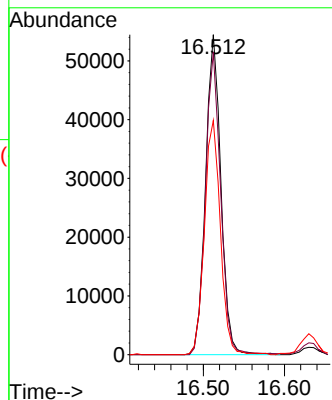
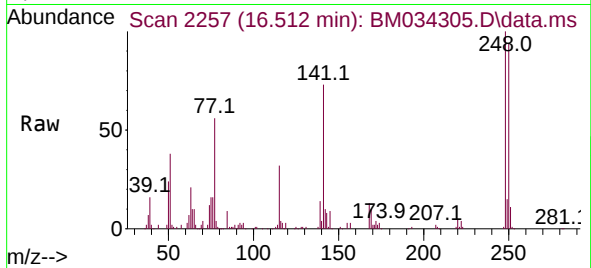




#67
4-Bromophenyl-phenylether
Concen: 7.083 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

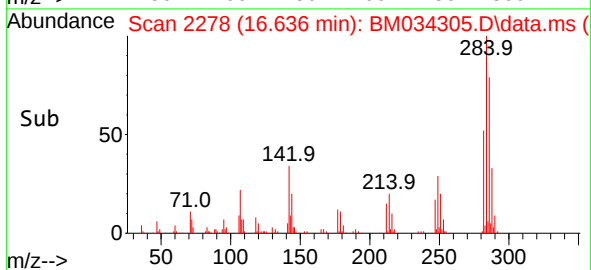
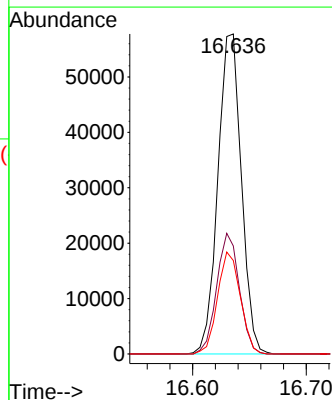
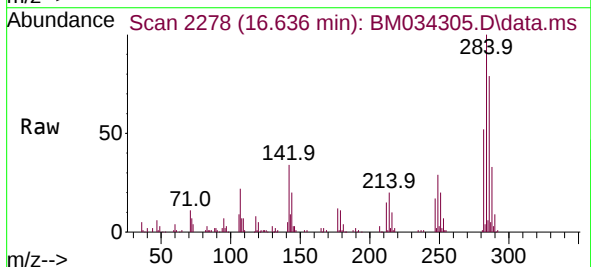
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

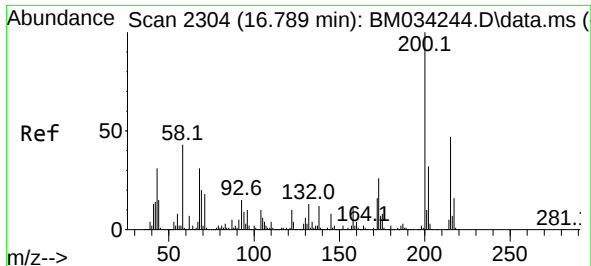
Tgt Ion:248 Resp: 71592
Ion Ratio Lower Upper
248 100
250 94.5 78.0 117.0
141 73.2 63.8 95.6



#68
Hexachlorobenzene
Concen: 7.366 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:284 Resp: 83047
Ion Ratio Lower Upper
284 100
142 33.7 28.9 43.3
249 29.2 25.4 38.0

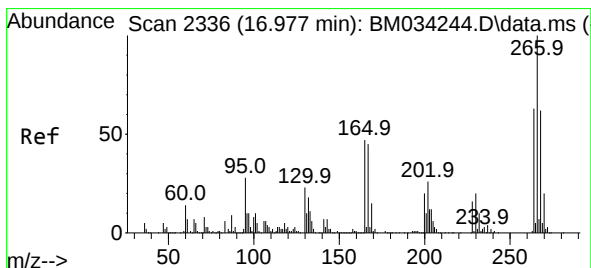
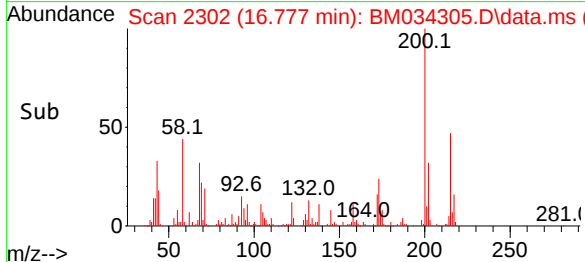
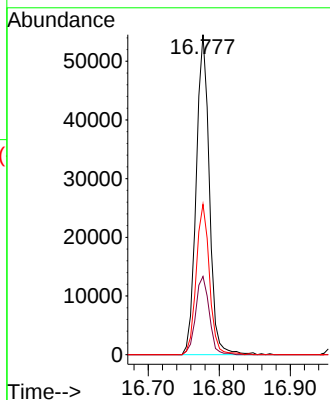
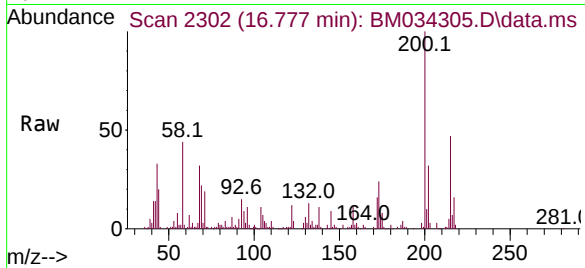




#69
 Atrazine
 Concen: 7.648 ng
 RT: 16.777 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

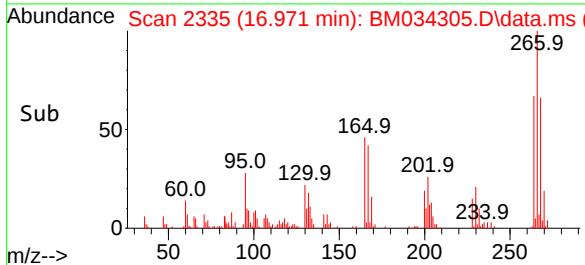
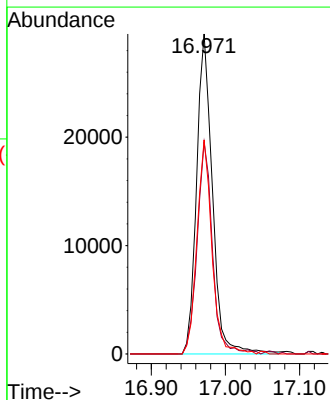
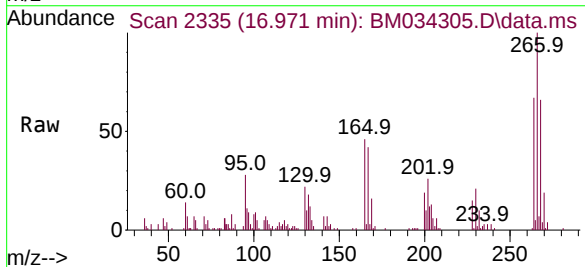
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

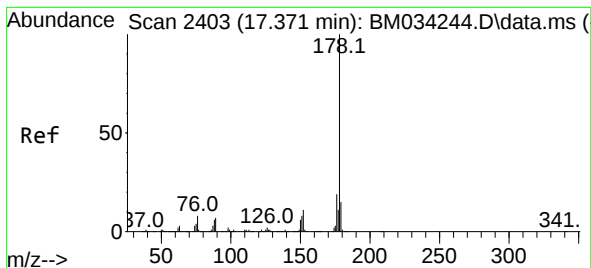
Tgt Ion:200 Resp: 70423
 Ion Ratio Lower Upper
 200 100
 173 24.5 6.1 46.1
 215 47.0 27.4 67.4



#70
 Pentachlorophenol
 Concen: 6.071 ng
 RT: 16.971 min Scan# 2335
 Delta R.T. -0.006 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

Tgt Ion:266 Resp: 43768
 Ion Ratio Lower Upper
 266 100
 268 66.2 49.8 74.8
 264 66.9 50.3 75.5





#71

Phenanthrene

Concen: 7.414 ng

RT: 17.359 min Scan# 2401

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

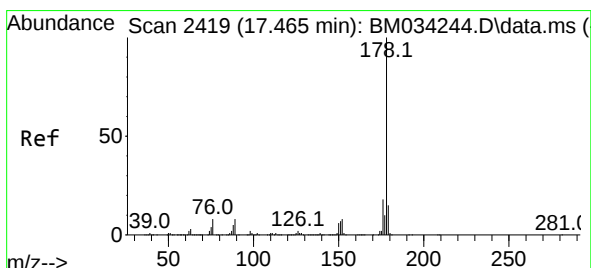
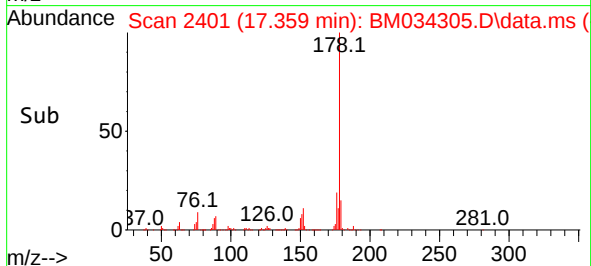
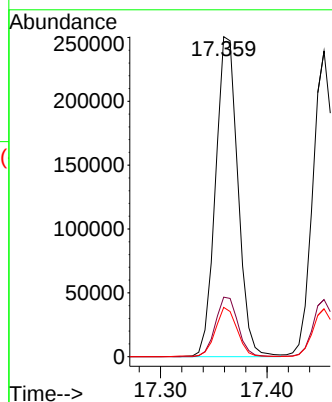
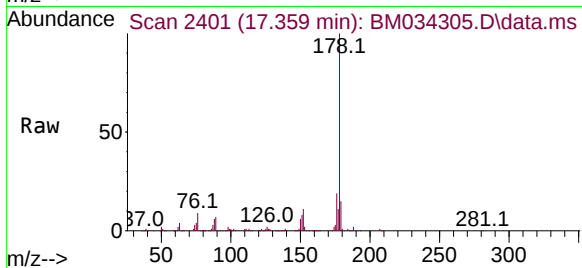
Tgt Ion:178 Resp: 365052

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.4 12.2 18.4



#72

Anthracene

Concen: 7.527 ng

RT: 17.453 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

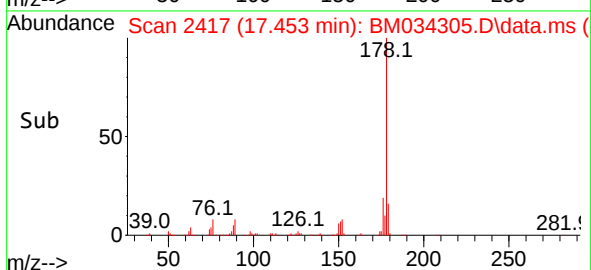
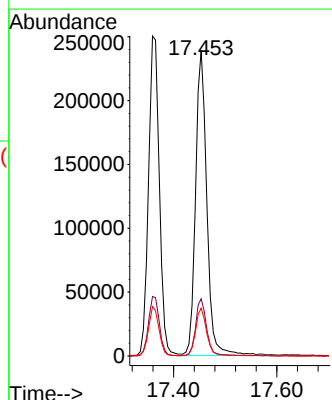
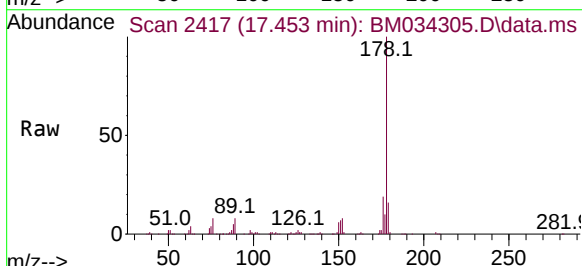
Tgt Ion:178 Resp: 360740

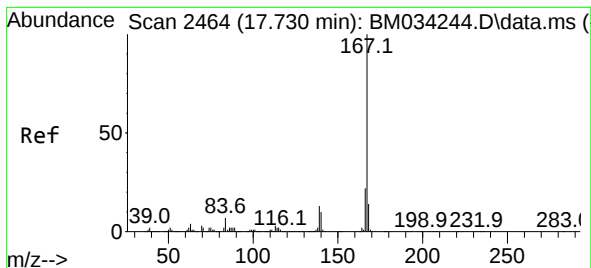
Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

179 15.6 12.2 18.2





#73

Carbazole

Concen: 6.785 ng

RT: 17.718 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

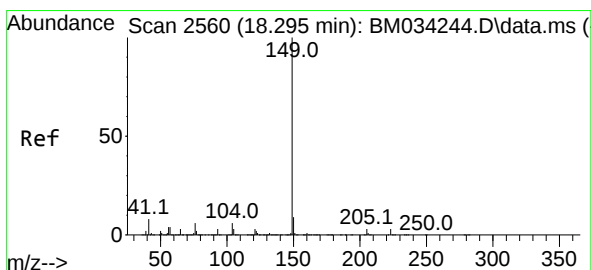
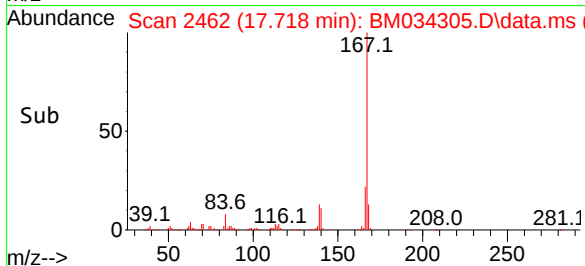
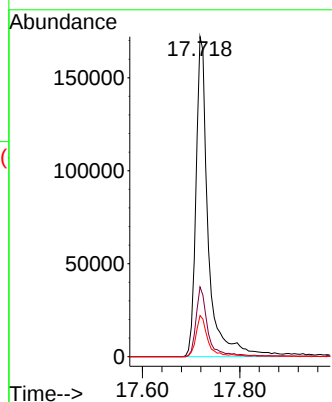
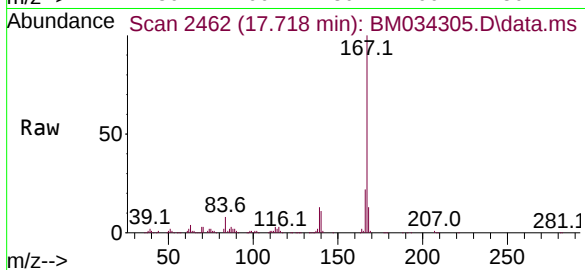
Tgt Ion:167 Resp: 303275

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.2

139 12.9 10.4 15.6



#74

Di-n-butylphthalate

Concen: 6.848 ng

RT: 18.289 min Scan# 2559

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

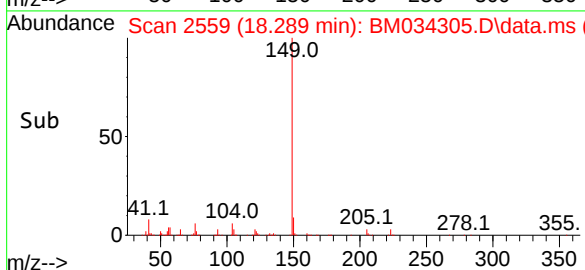
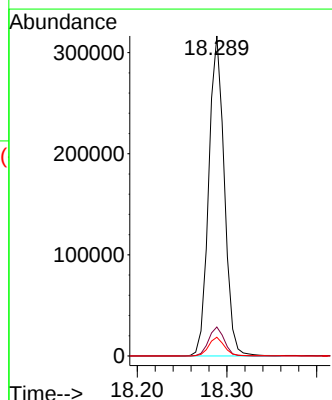
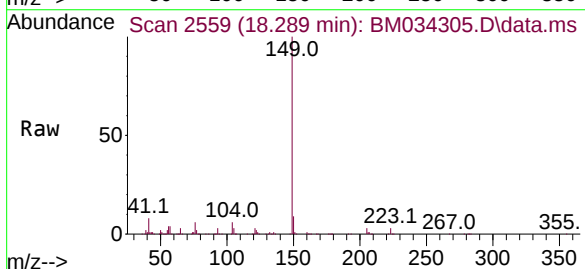
Tgt Ion:149 Resp: 380505

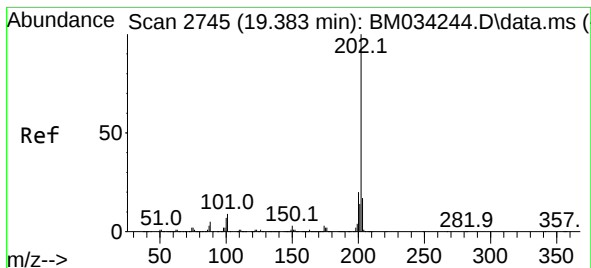
Ion Ratio Lower Upper

149 100

150 9.1 7.6 11.4

104 5.9 4.7 7.1





#75

Fluoranthene

Concen: 7.657 ng

RT: 19.377 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

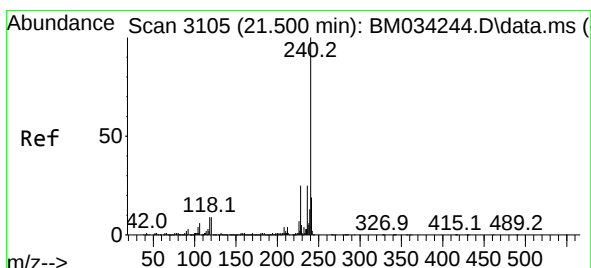
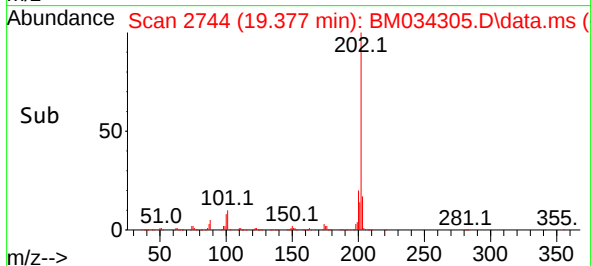
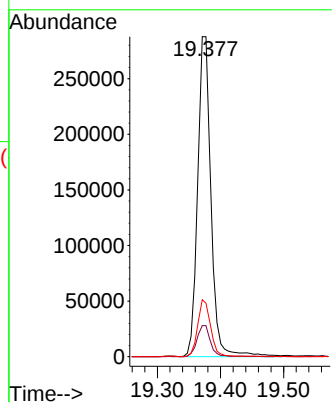
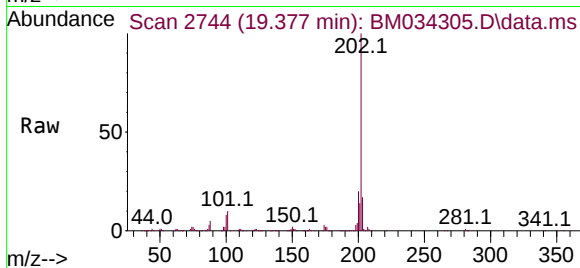
Tgt Ion:202 Resp: 422659

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.4

203 16.7 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.494 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

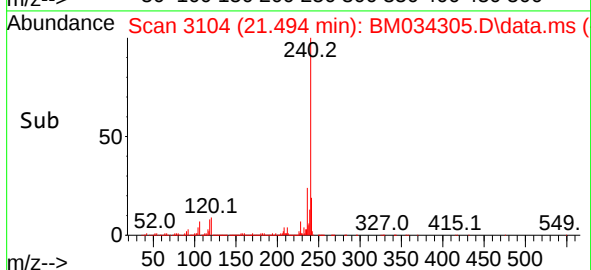
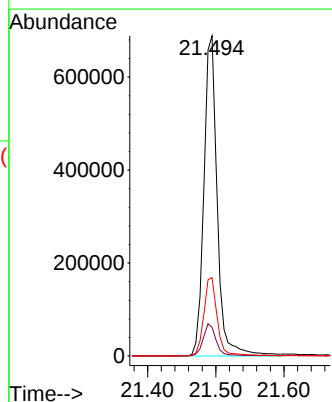
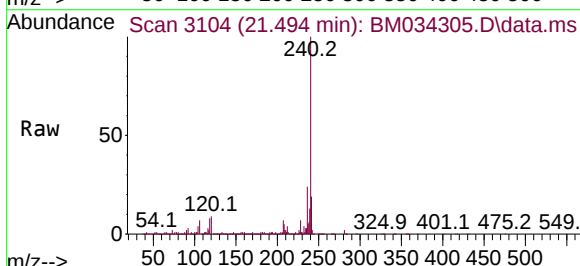
Tgt Ion:240 Resp: 938273

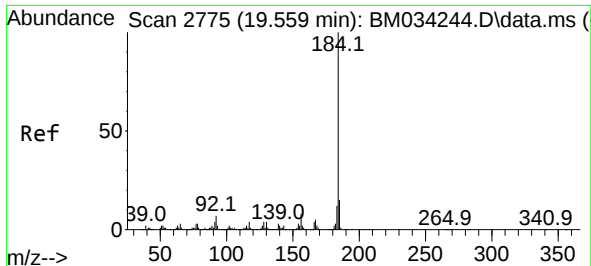
Ion Ratio Lower Upper

240 100

120 9.0 7.3 10.9

236 24.5 20.2 30.2

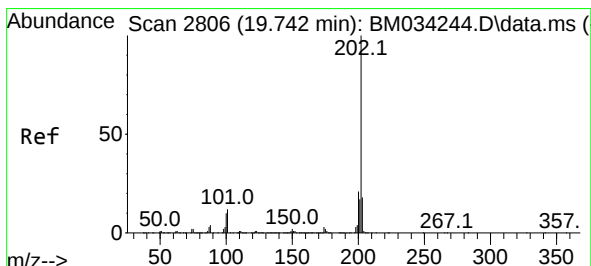
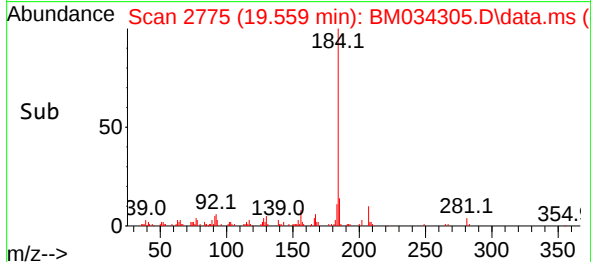
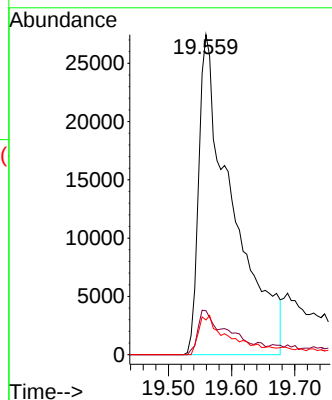
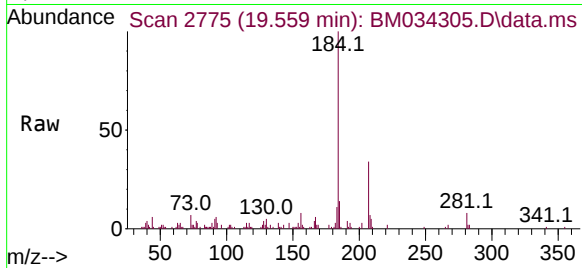




#77
Benzidine
Concen: 7.354 ng
RT: 19.559 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

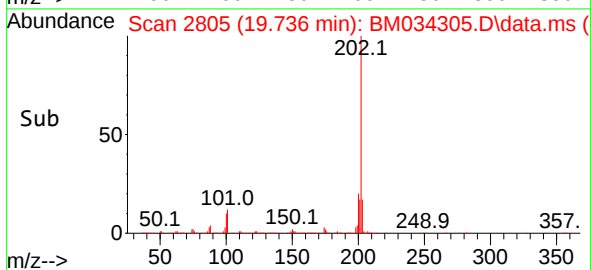
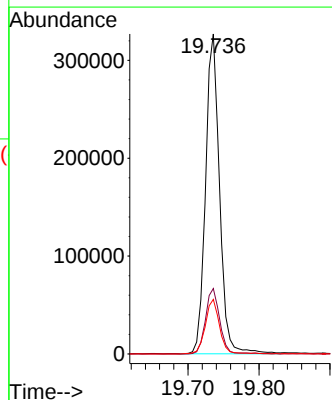
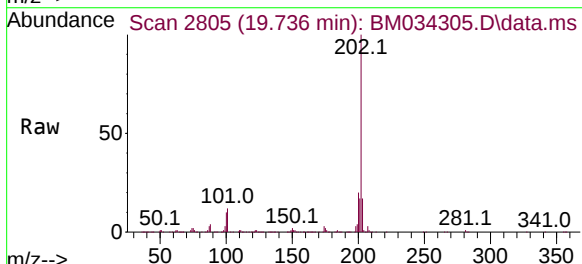
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

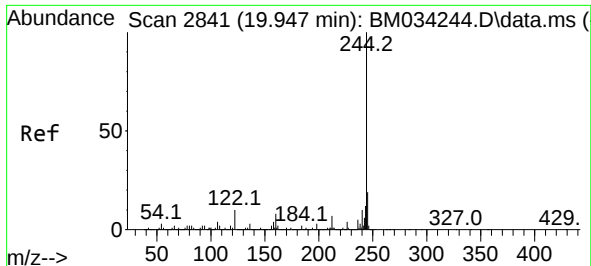
Tgt Ion:184 Resp: 101115
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 10.9 9.8 14.6



#78
Pyrene
Concen: 6.784 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:202 Resp: 448455
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 17.0 14.1 21.1

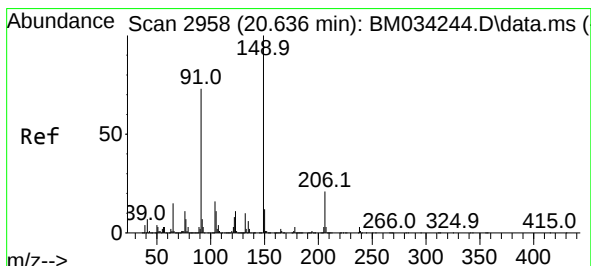
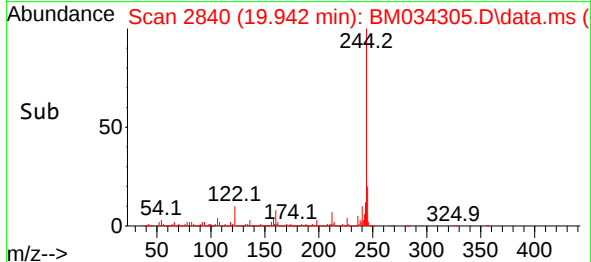
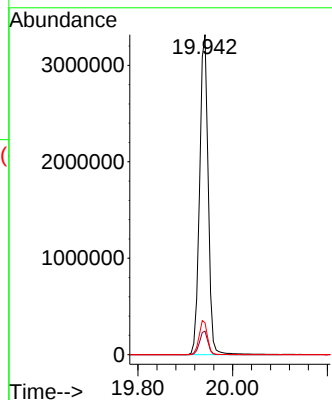
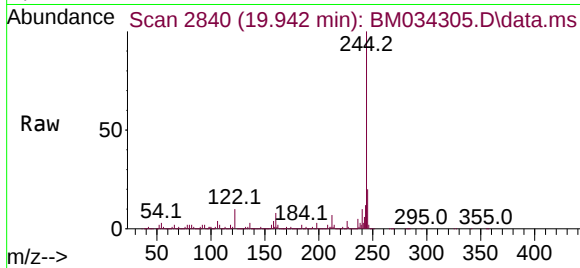




#79
 Terphenyl-d14
 Concen: 77.384 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

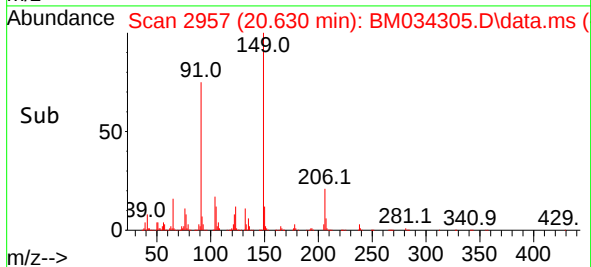
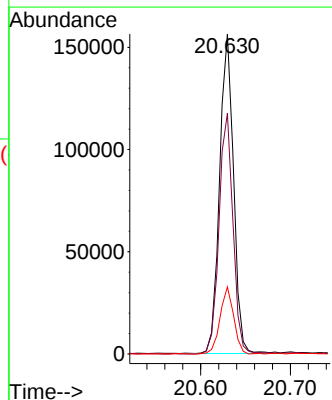
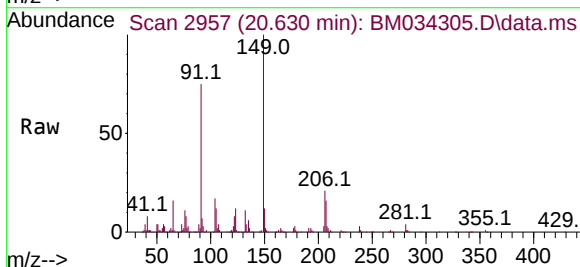
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

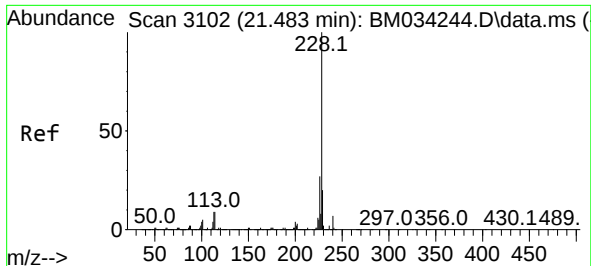
Tgt Ion:244 Resp: 4178593
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.0 7.8 11.8



#80
 Butylbenzylphthalate
 Concen: 6.042 ng
 RT: 20.630 min Scan# 2957
 Delta R.T. -0.006 min
 Lab File: BM034305.D
 Acq: 22 Mar 2022 11:33

Tgt Ion:149 Resp: 168915
 Ion Ratio Lower Upper
 149 100
 91 75.2 58.5 87.7
 206 20.9 16.9 25.3

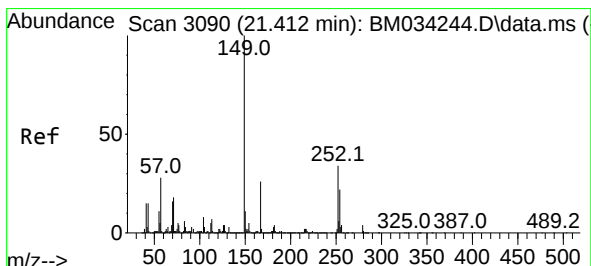
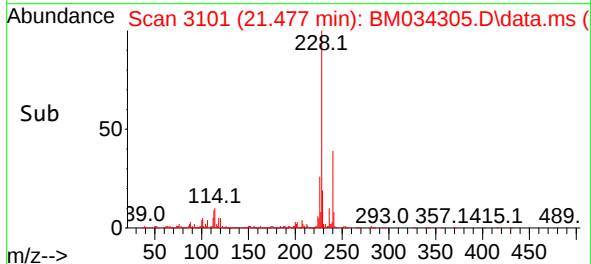
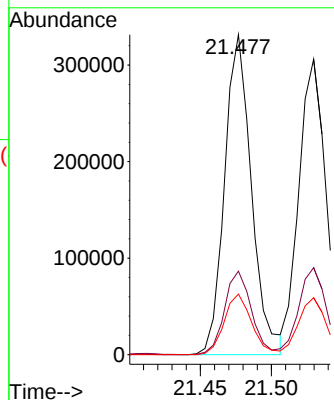
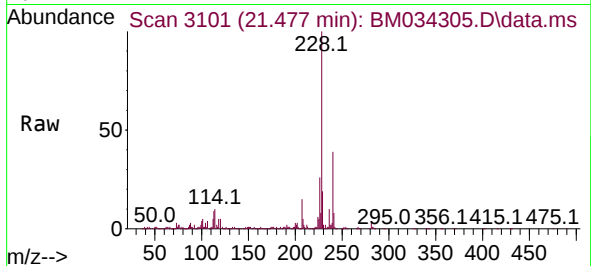




#81
Benzo(a)anthracene
Concen: 7.361 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

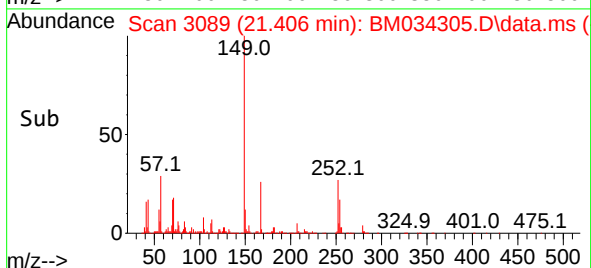
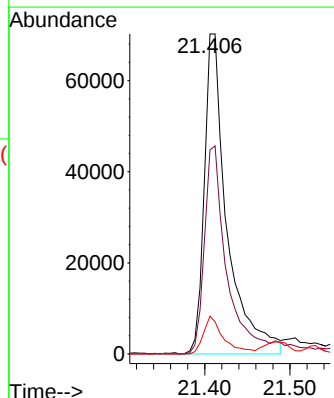
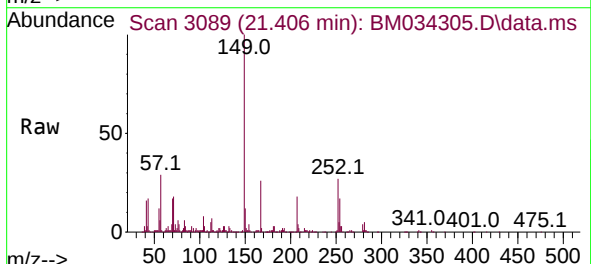
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

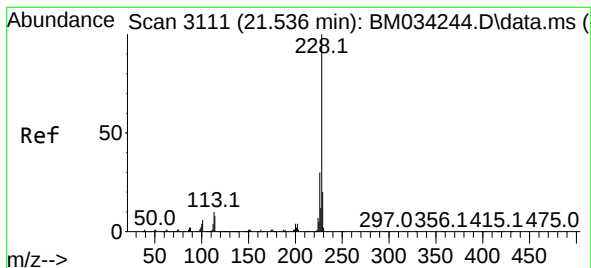
Tgt Ion:	228	Resp:	435948
Ion Ratio	Lower	Upper	
228	100		
226	26.1	21.6	32.4
229	18.9	15.8	23.6



#82
3,3'-Dichlorobenzidine
Concen: 6.585 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:	252	Resp:	130240
Ion Ratio	Lower	Upper	
252	100		
254	63.7	50.9	76.3
126	11.8	8.6	12.8





#83

Chrysene

Concen: 7.291 ng

RT: 21.530 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

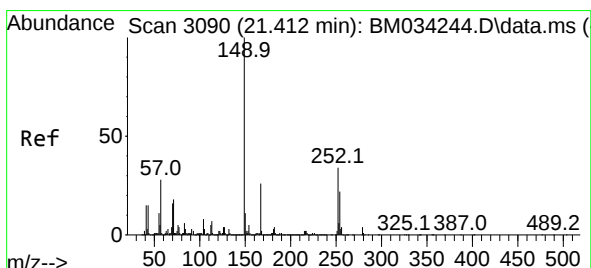
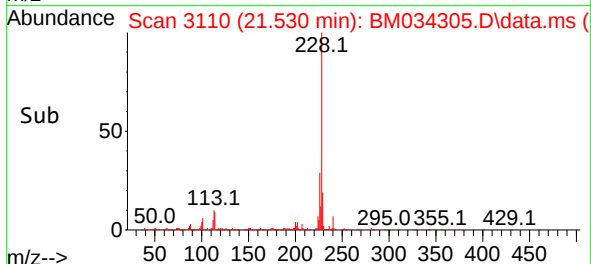
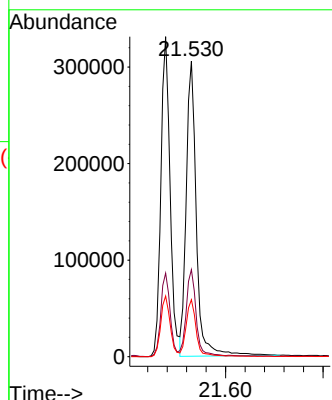
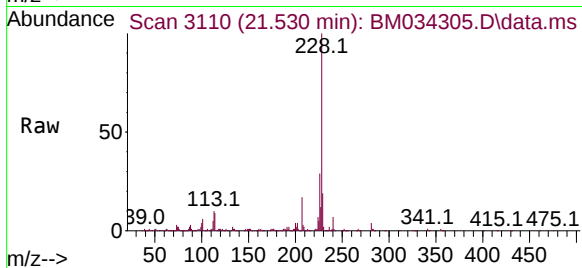
Tgt Ion:228 Resp: 440944

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.6

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.443 ng

RT: 21.406 min Scan# 3089

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

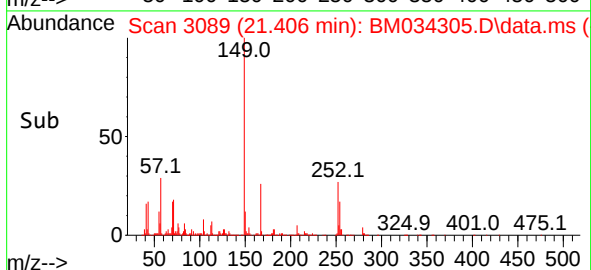
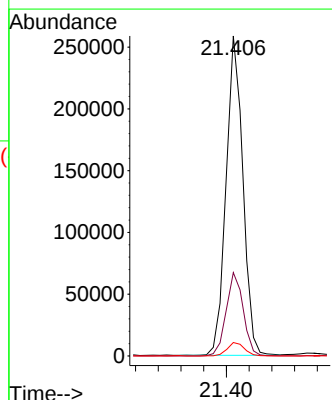
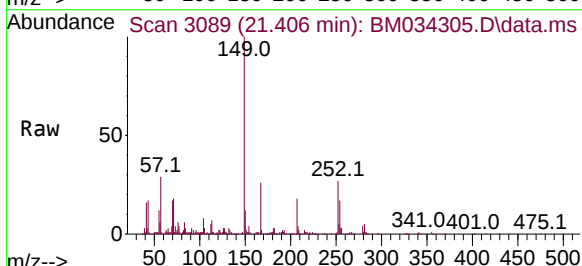
Tgt Ion:149 Resp: 266007

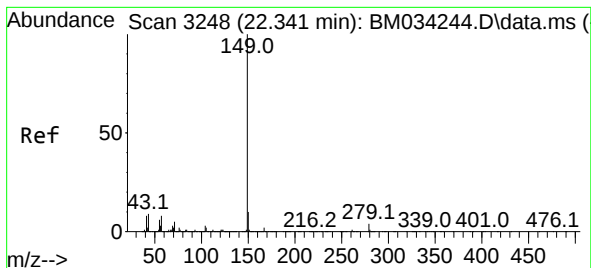
Ion Ratio Lower Upper

149 100

167 26.1 21.2 31.8

279 4.2 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 6.826 ng

RT: 22.335 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

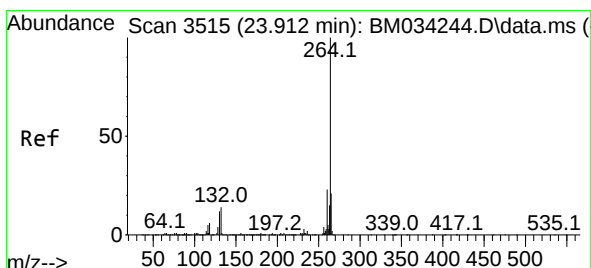
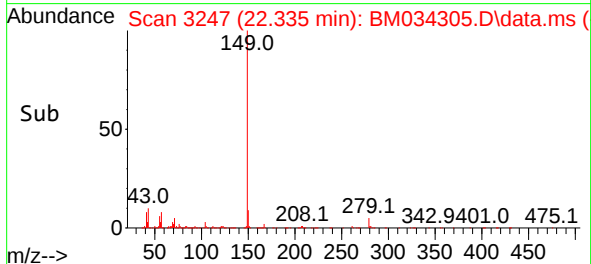
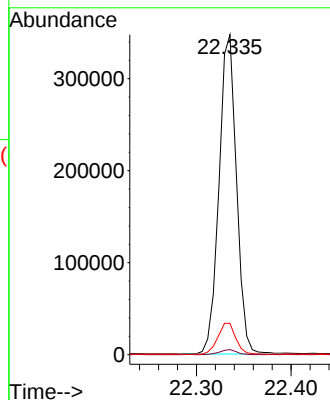
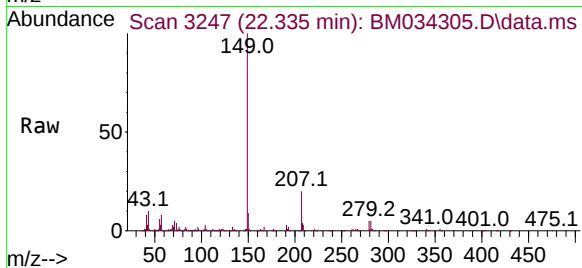
Tgt Ion:149 Resp: 447301

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.1 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.906 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

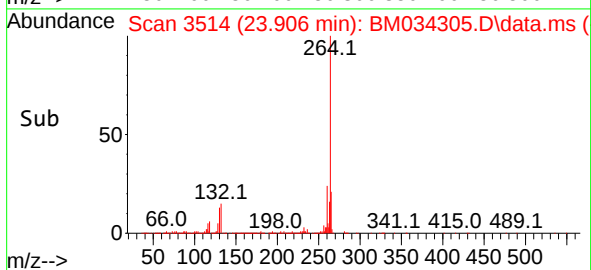
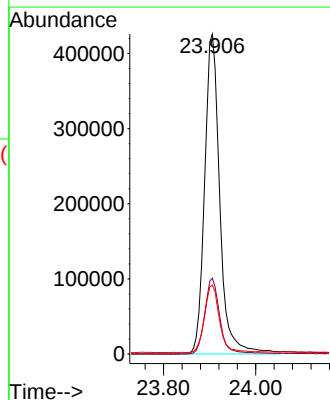
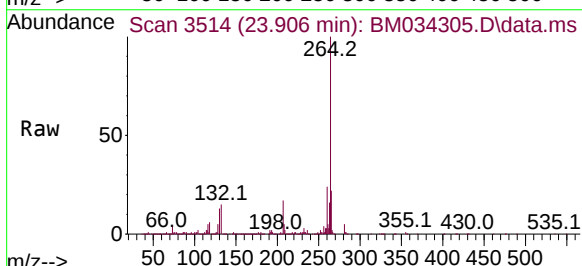
Tgt Ion:264 Resp: 980677

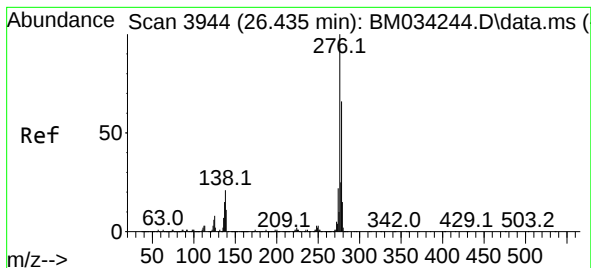
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.385 ng

RT: 26.412 min Scan# 3940

Delta R.T. -0.024 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

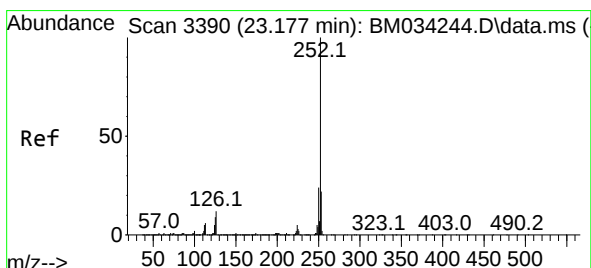
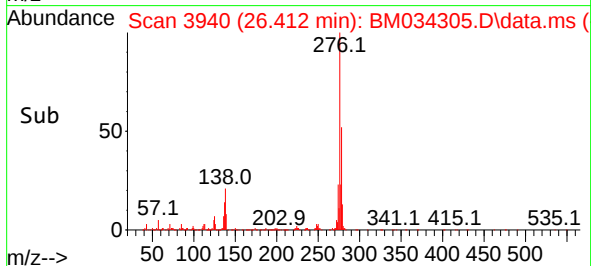
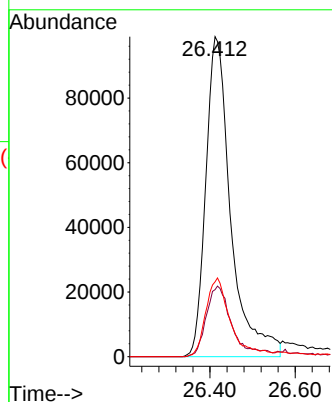
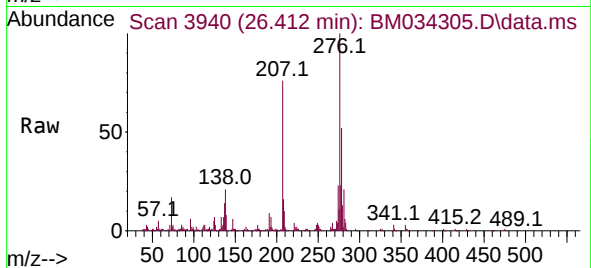
Tgt Ion:276 Resp: 402817

Ion Ratio Lower Upper

276 100

138 22.7 16.6 25.0

277 23.6 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 7.013 ng

RT: 23.165 min Scan# 3388

Delta R.T. -0.012 min

Lab File: BM034305.D

Acq: 22 Mar 2022 11:33

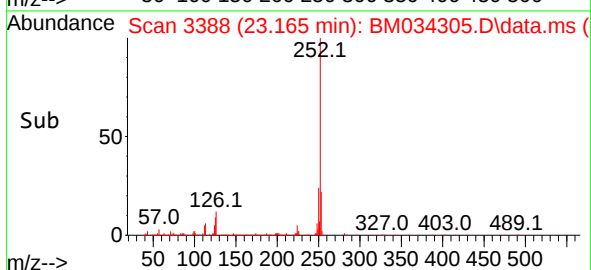
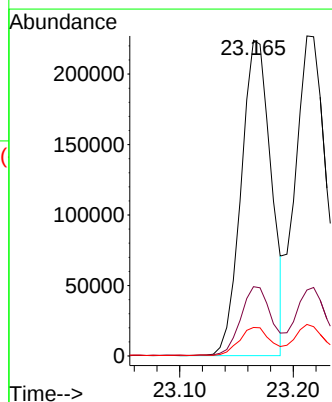
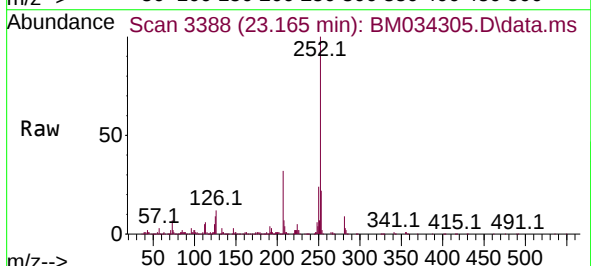
Tgt Ion:252 Resp: 411288

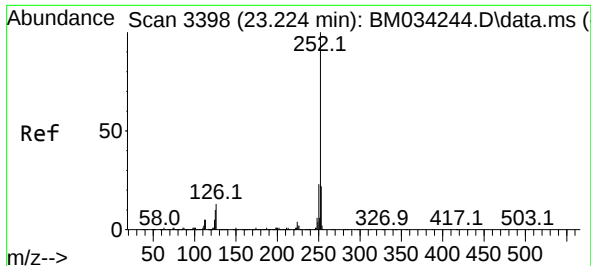
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 9.0 7.2 10.8

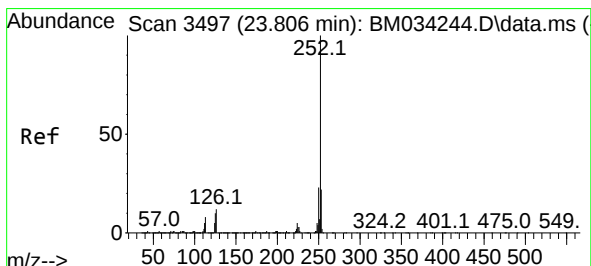
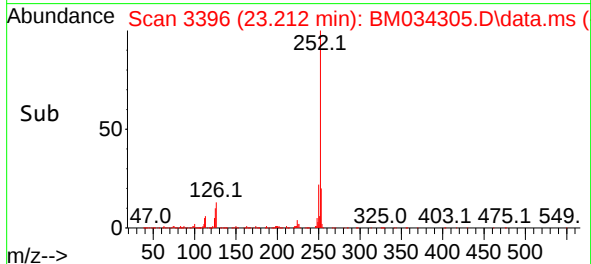
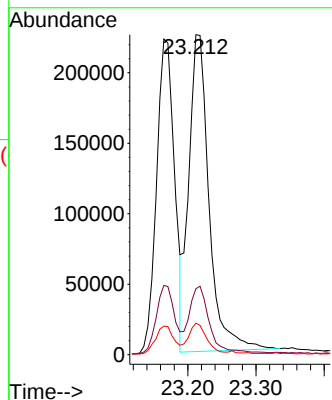
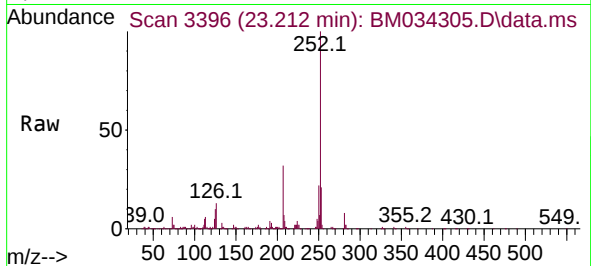




#89
Benzo(k)fluoranthene
Concen: 7.437 ng
RT: 23.212 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

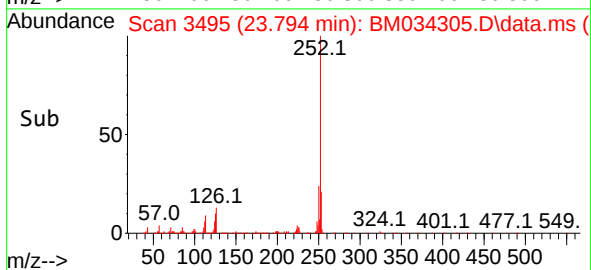
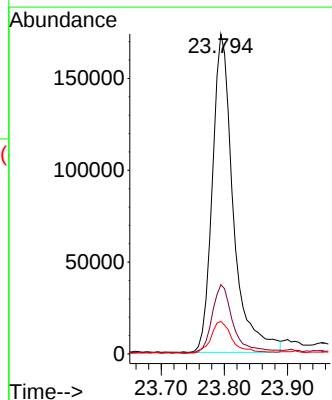
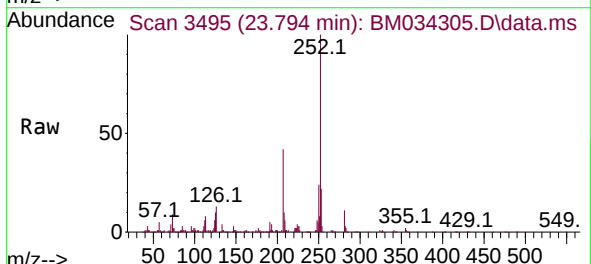
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

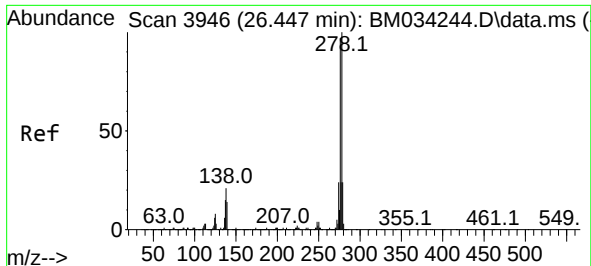
Tgt Ion:252 Resp: 461973
Ion Ratio Lower Upper
252 100
253 20.6 17.6 26.4
125 9.8 7.5 11.3



#90
Benzo(a)pyrene
Concen: 8.040 ng
RT: 23.794 min Scan# 3495
Delta R.T. -0.012 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:252 Resp: 399671
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.1 7.8 11.6

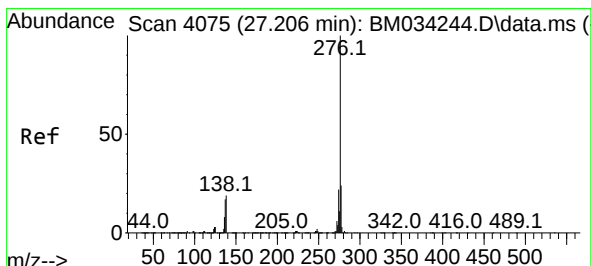
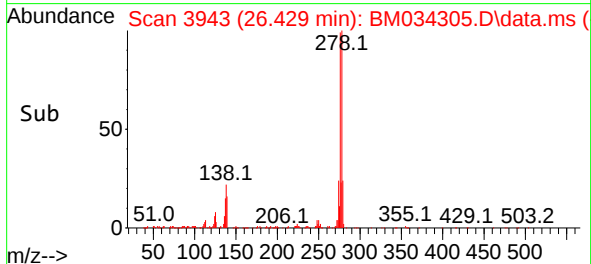
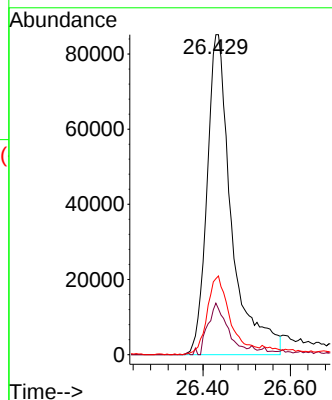
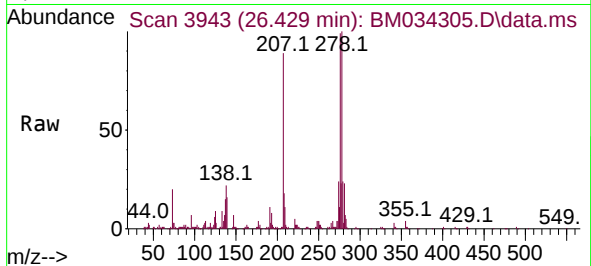




#91
Dibenzo(a,h)anthracene
Concen: 6.501 ng
RT: 26.429 min Scan# 3946
Delta R.T. -0.018 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

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

Tgt Ion:278 Resp: 332567
Ion Ratio Lower Upper
278 100
139 16.1 11.2 16.8
279 23.8 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 7.140 ng
RT: 27.182 min Scan# 4071
Delta R.T. -0.024 min
Lab File: BM034305.D
Acq: 22 Mar 2022 11:33

Tgt Ion:276 Resp: 378039
Ion Ratio Lower Upper
276 100
277 23.0 19.0 28.4
138 18.1 15.6 23.4

