

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110424\
 Data File : BF140224.D
 Acq On : 04 Nov 2024 17:49
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Nov 04 23:59:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 17:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	196279	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	736682	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	444693	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	814385	20.000	ng	0.00
76) Chrysene-d12	14.051	240	541954	20.000	ng	0.00
86) Perylene-d12	15.539	264	446978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1454938	125.604	ng	0.00
7) Phenol-d6	6.504	99	1878378	126.378	ng	0.00
23) Nitrobenzene-d5	7.434	82	1261008	86.596	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	688626	140.446	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2469728	86.809	ng	0.00
79) Terphenyl-d14	12.992	244	2683245	78.993	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	24113	4.716	ng	92
3) Pyridine	3.493	79	50241	4.000	ng	94
4) n-Nitrosodimethylamine	3.375	42	26243	3.730	ng	# 84
6) Aniline	6.540	93	75096	5.789	ng	97
8) 2-Chlorophenol	6.663	128	59968	4.911	ng	96
9) Benzaldehyde	6.428	77	51847	5.369	ng	95
10) Phenol	6.516	94	73352	4.640	ng	# 75
11) bis(2-Chloroethyl)ether	6.610	93	56492	4.648	ng	99
12) 1,3-Dichlorobenzene	6.816	146	66301	4.599	ng	98
13) 1,4-Dichlorobenzene	6.893	146	67562	4.639	ng	98
14) 1,2-Dichlorobenzene	7.045	146	63790	4.687	ng	99
15) Benzyl Alcohol	7.010	79	70864	6.087	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.145	45	78021	4.460	ng	99
17) 2-Methylphenol	7.116	107	46171	4.672	ng	96
18) Hexachloroethane	7.387	117	23937	4.415	ng	98
19) n-Nitroso-di-n-propyla...	7.275	70	42962	4.427	ng	97
20) 3+4-Methylphenols	7.269	107	62411	4.908	ng	93
22) Acetophenone	7.275	105	87280	4.834	ng	97
24) Nitrobenzene	7.451	77	66717	4.389	ng	99
25) Isophorone	7.687	82	111951	4.526	ng	100
26) 2-Nitrophenol	7.769	139	26009	4.359	ng	98
27) 2,4-Dimethylphenol	7.798	122	36590	4.478	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	68929	4.625	ng	98
29) 2,4-Dichlorophenol	8.010	162	48440	4.688	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	58329	4.597	ng	98
31) Naphthalene	8.175	128	176448	4.751	ng	98
32) Benzoic acid	7.851	122	14351	2.209	ng	92
33) 4-Chloroaniline	8.222	127	66360	5.391	ng	96
34) Hexachlorobutadiene	8.292	225	38474	4.370	ng	99
35) Caprolactam	8.551	113	13889	4.530	ng	87
36) 4-Chloro-3-methylphenol	8.698	107	50297	4.470	ng	97
37) 2-Methylnaphthalene	8.863	142	119536	4.823	ng	99
38) 1-Methylnaphthalene	8.963	142	109567	4.516	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	65188	4.749	ng	99
41) Hexachlorocyclopentadiene	9.022	237	14801	3.932	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	37075	4.424	ng	98

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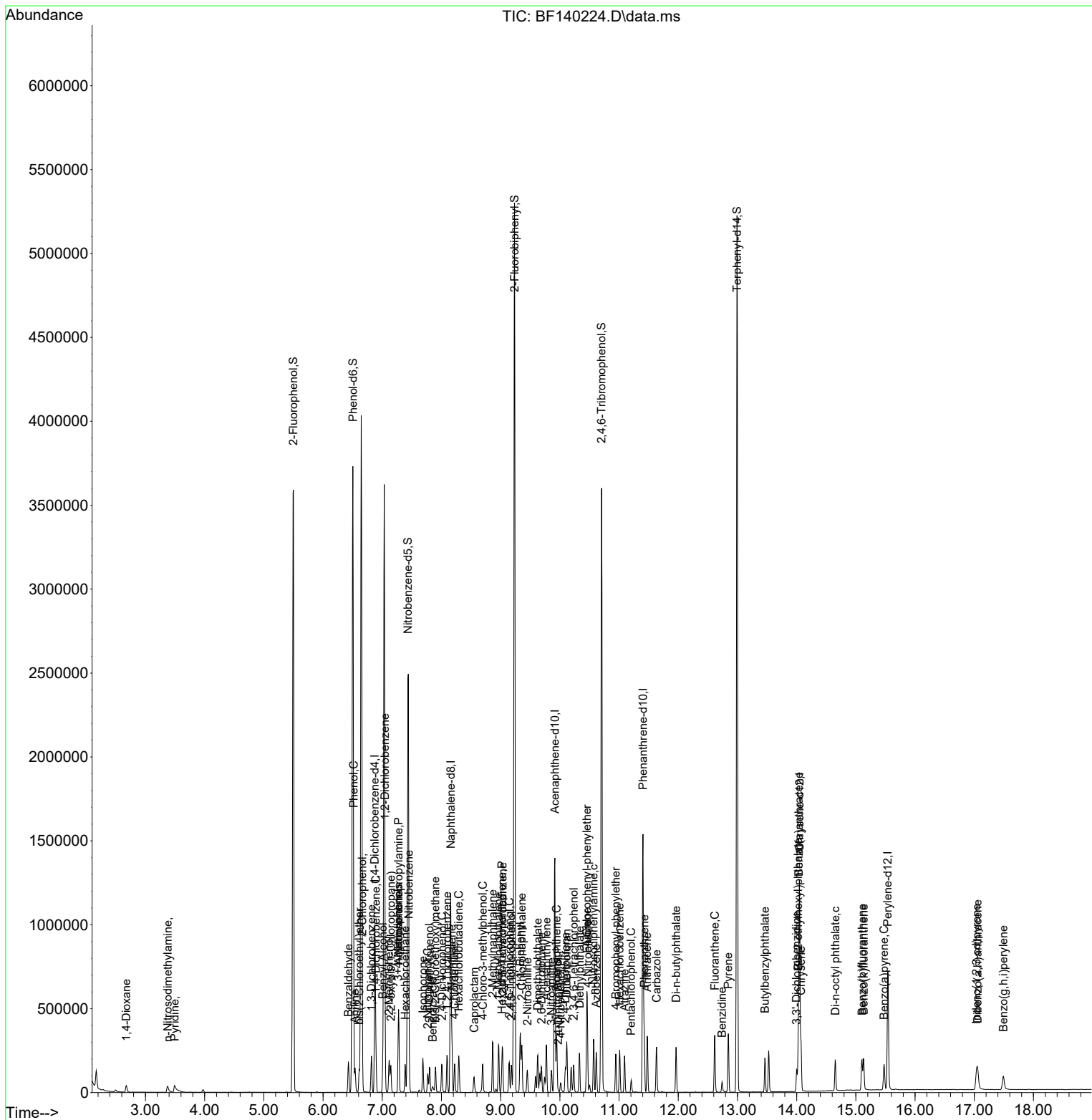
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 ClientSampleId :
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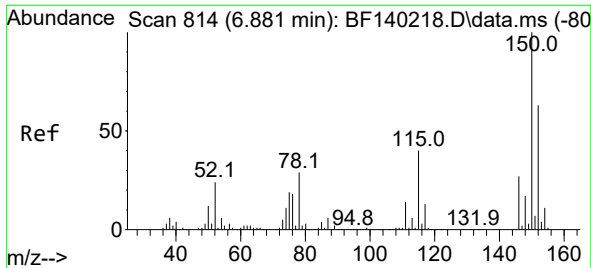
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	37188	4.247	ng	97
46) 1,1'-Biphenyl	9.334	154	160959	4.987	ng	98
47) 2-Chloronaphthalene	9.357	162	113567	4.637	ng	96
48) 2-Nitroaniline	9.451	65	30941	4.064	ng	94
49) Acenaphthylene	9.775	152	175611	5.095	ng	99
50) Dimethylphthalate	9.628	163	127569	4.678	ng	100
51) 2,6-Dinitrotoluene	9.692	165	27780	4.275	ng	87
52) Acenaphthene	9.945	154	109817	4.470	ng	99
53) 3-Nitroaniline	9.857	138	27404	4.621	ng	97
54) 2,4-Dinitrophenol	9.969	184	3040	7.191	ng #	82
55) Dibenzofuran	10.116	168	167321	4.821	ng	96
56) 4-Nitrophenol	10.016	139	13313	3.034	ng	95
57) 2,4-Dinitrotoluene	10.092	165	34939	4.107	ng	93
58) Fluorene	10.463	166	134627	4.851	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.233	232	31047	4.279	ng #	98
60) Diethylphthalate	10.333	149	128508	4.626	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	68146	4.772	ng	93
62) 4-Nitroaniline	10.469	138	26175	4.342	ng	91
63) Azobenzene	10.616	77	123416	4.381	ng	96
66) n-Nitrosodiphenylamine	10.569	169	111796	4.766	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	42886	4.676	ng	97
68) Hexachlorobenzene	11.010	284	47888	4.627	ng	98
69) Atrazine	11.092	200	37867	5.770	ng	97
70) Pentachlorophenol	11.204	266	13303	2.413	ng	99
71) Phenanthrene	11.428	178	195609	4.941	ng	98
72) Anthracene	11.475	178	195458	5.038	ng	98
73) Carbazole	11.633	167	166125	4.721	ng	98
74) Di-n-butylphthalate	11.963	149	190725	4.622	ng	98
75) Fluoranthene	12.616	202	197406	4.655	ng	98
77) Benzidine	12.739	184	37613	4.001	ng	95
78) Pyrene	12.845	202	202282	4.545	ng	97
80) Butylbenzylphthalate	13.463	149	64250	4.116	ng	97
81) Benzo(a)anthracene	14.039	228	167282	4.706	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	44087	4.111	ng	97
83) Chrysene	14.074	228	146160	4.470	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	92955	4.282	ng	99
85) Di-n-octyl phthalate	14.651	149	128074	3.978	ng	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	112741	4.007	ng	99
88) Benzo(b)fluoranthene	15.104	252	117759	4.177	ng	100
89) Benzo(k)fluoranthene	15.133	252	115971	4.616	ng	97
90) Benzo(a)pyrene	15.474	252	101661	4.474	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	92470	4.036	ng	99
92) Benzo(g,h,i)perylene	17.492	276	87249	3.729	ng	99

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

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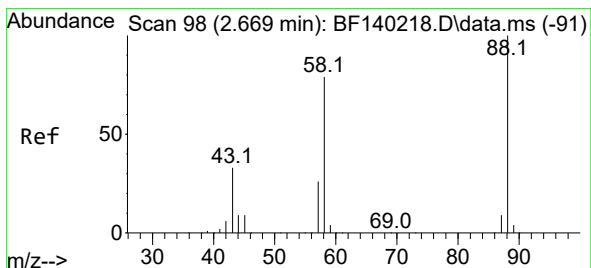
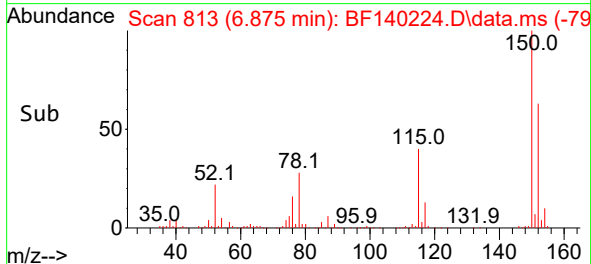
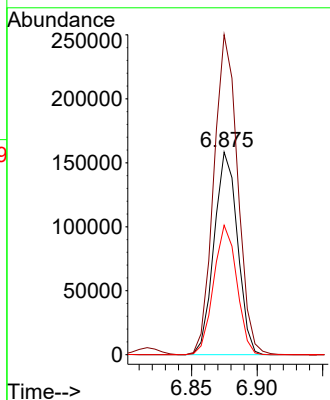
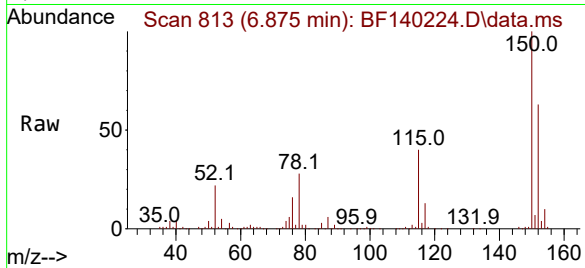




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

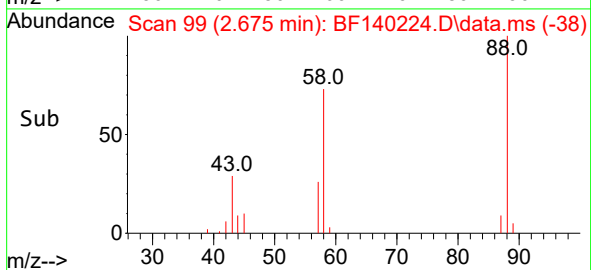
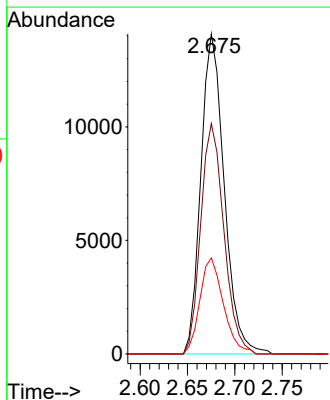
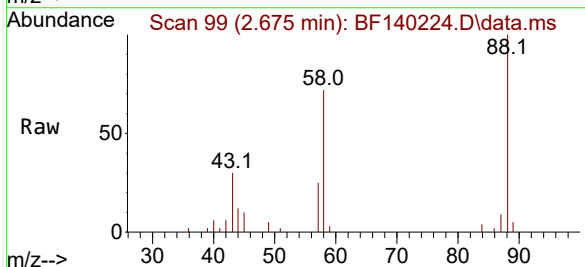
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

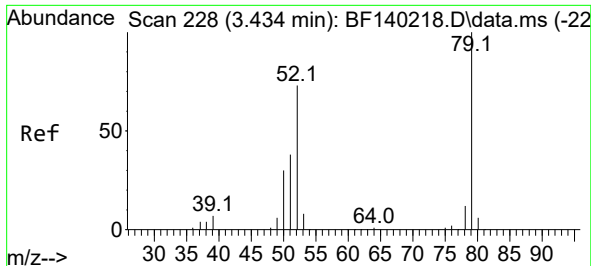
Tgt Ion:152 Resp: 196279
Ion Ratio Lower Upper
152 100
150 157.9 127.8 191.8
115 63.9 50.7 76.1



#2
1,4-Dioxane
Concen: 4.716 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 88 Resp: 24113
Ion Ratio Lower Upper
88 100
58 71.2 63.4 95.2
43 30.2 26.8 40.2





#3

Pyridine

Concen: 4.000 ng

RT: 3.493 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

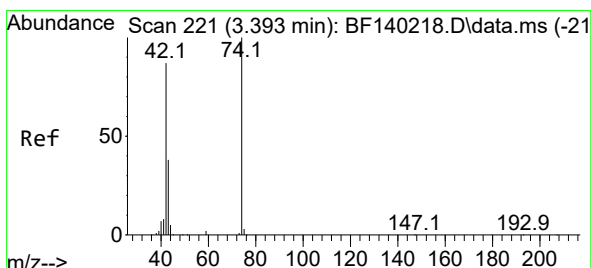
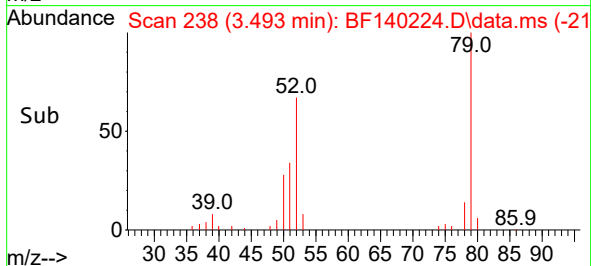
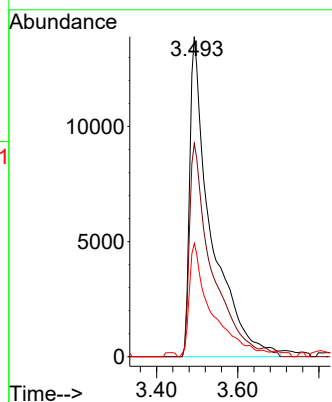
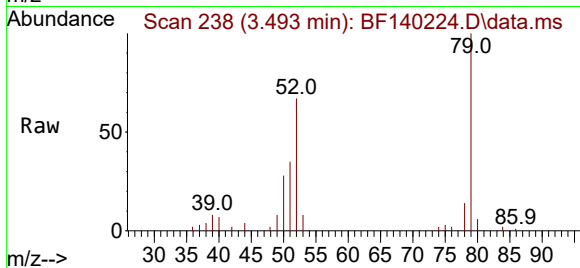
Tgt Ion: 79 Resp: 50241

Ion Ratio Lower Upper

79 100

52 66.6 58.2 87.4

51 35.4 30.6 46.0



#4

n-Nitrosodimethylamine

Concen: 3.730 ng

RT: 3.375 min Scan# 218

Delta R.T. -0.018 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

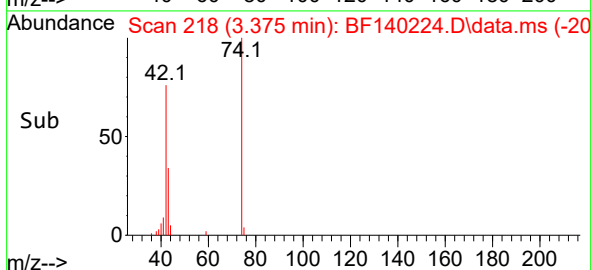
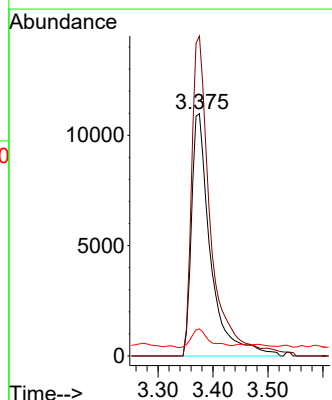
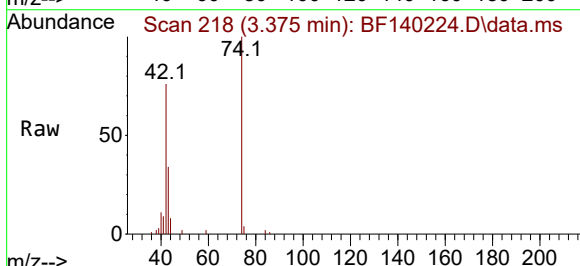
Tgt Ion: 42 Resp: 26243

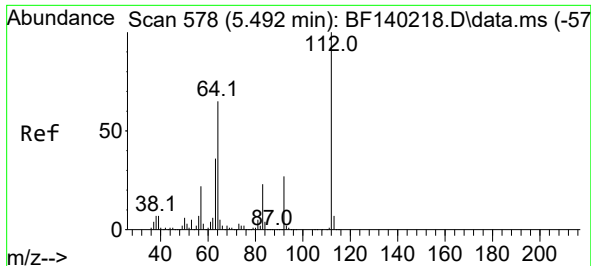
Ion Ratio Lower Upper

42 100

74 132.1 92.0 138.0

44 11.2 5.0 7.6#

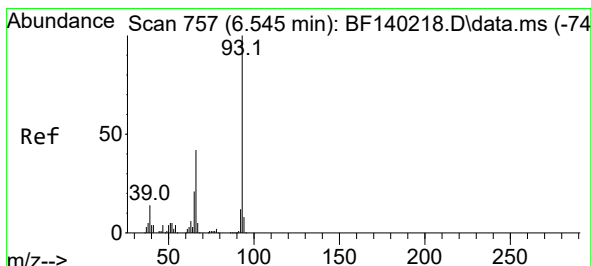
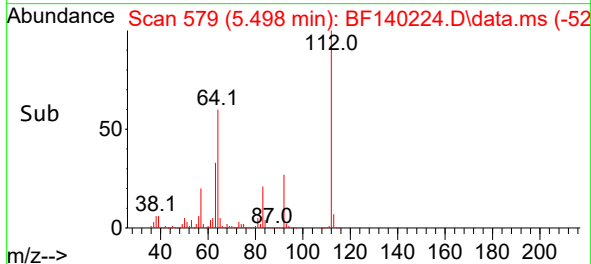
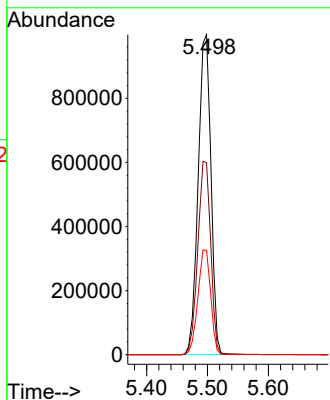
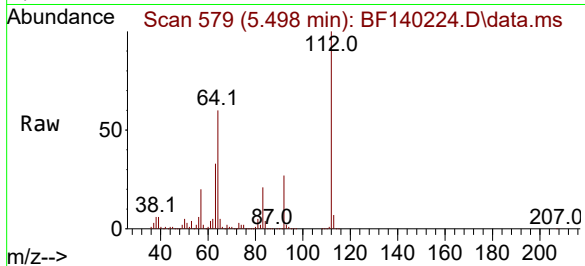




#5
2-Fluorophenol
Concen: 125.604 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

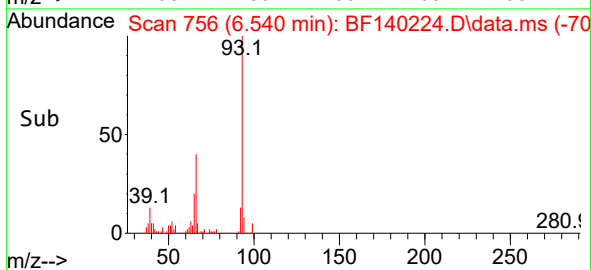
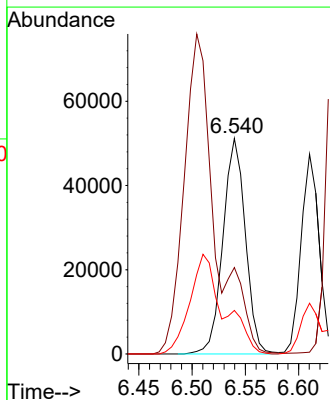
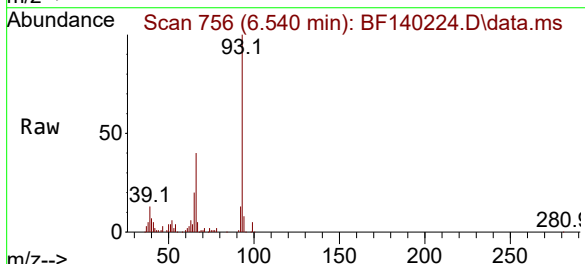
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

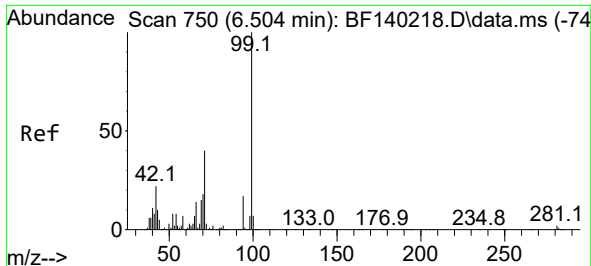
Tgt Ion:112 Resp: 1454938
Ion Ratio Lower Upper
112 100
64 60.0 51.8 77.6
63 32.6 28.4 42.6



#6
Aniline
Concen: 5.789 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 93 Resp: 75096
Ion Ratio Lower Upper
93 100
66 40.1 33.7 50.5
65 20.2 17.2 25.8

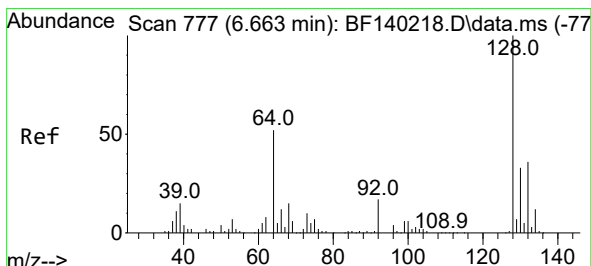
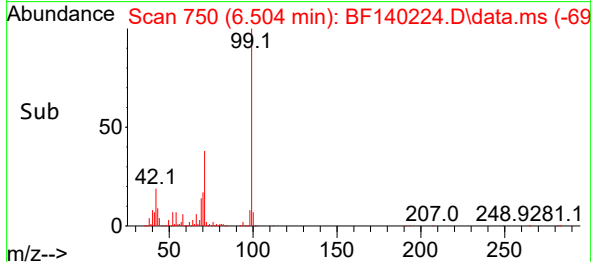
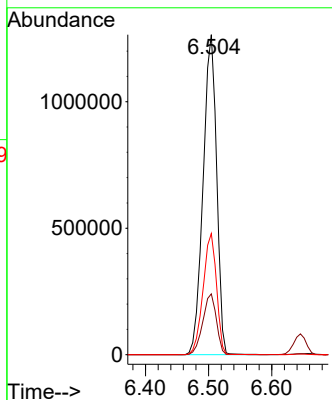
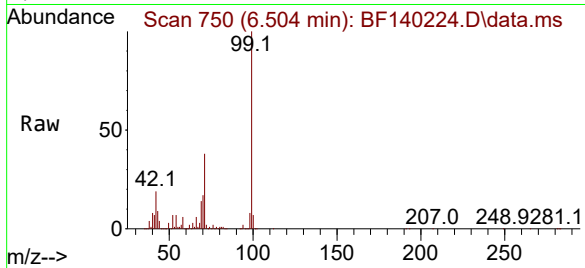




#7
Phenol-d6
Concen: 126.378 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

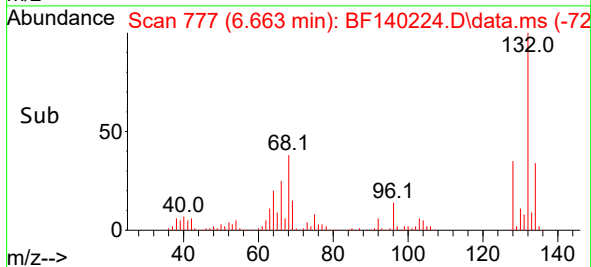
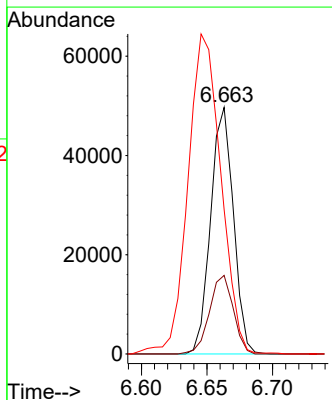
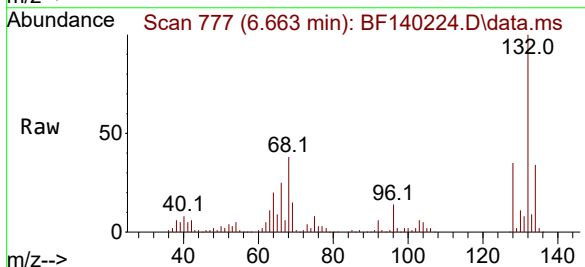
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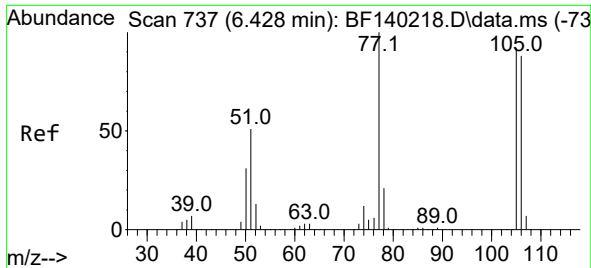
Tgt Ion: 99 Resp: 1878378
Ion Ratio Lower Upper
99 100
42 19.0 17.8 26.6
71 37.9 32.0 48.0



#8
2-Chlorophenol
Concen: 4.911 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 128 Resp: 59968
Ion Ratio Lower Upper
128 100
130 31.9 13.0 53.0
64 58.6 34.4 74.4

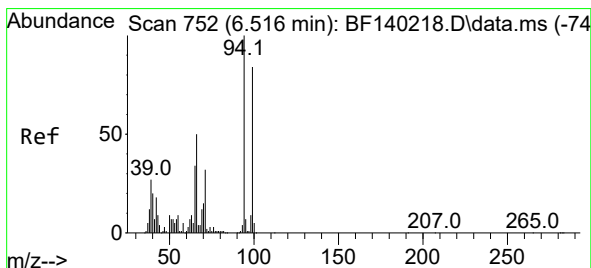
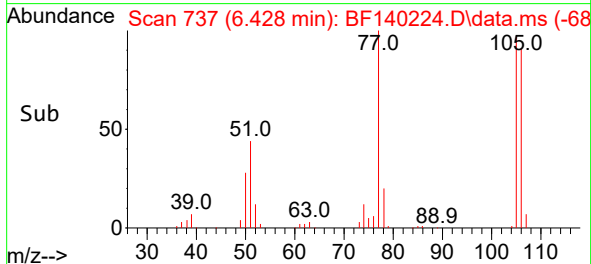
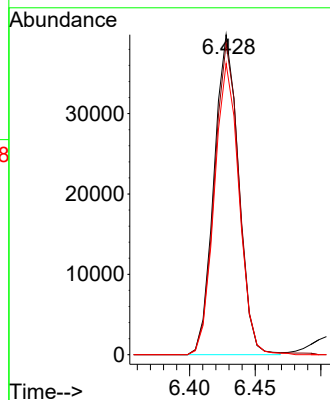
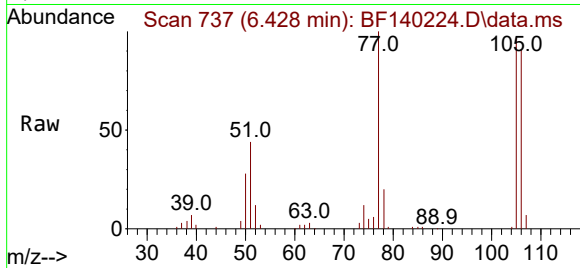




#9
Benzaldehyde
Concen: 5.369 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

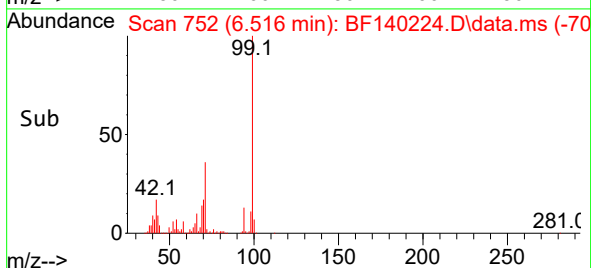
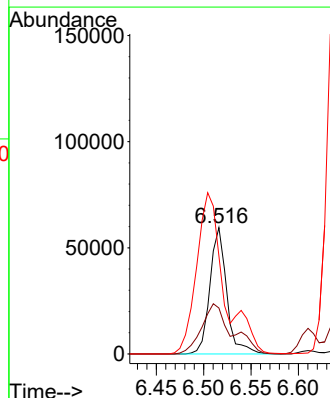
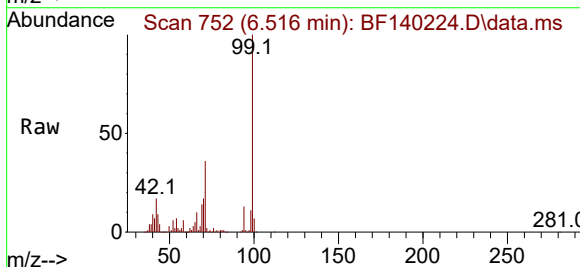
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2024

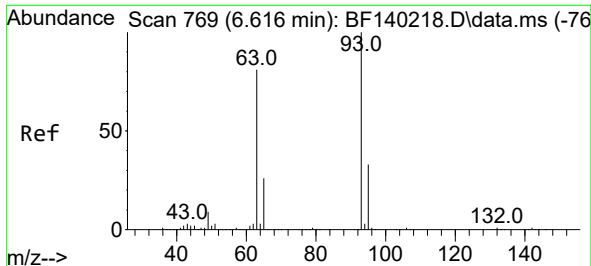
Tgt Ion:	77	Resp:	51847
Ion Ratio	Lower	Upper	
77	100		
105	97.2	71.7	111.7
106	91.0	67.9	107.9



#10
Phenol
Concen: 4.640 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:	94	Resp:	73352
Ion Ratio	Lower	Upper	
94	100		
65	36.3	14.0	54.0
66	77.5	30.2	70.2





#11

bis(2-Chloroethyl)ether

Concen: 4.648 ng

RT: 6.610 min Scan# 769

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

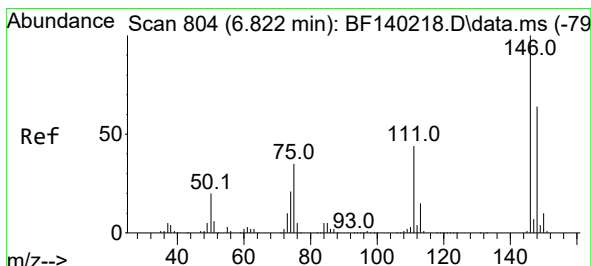
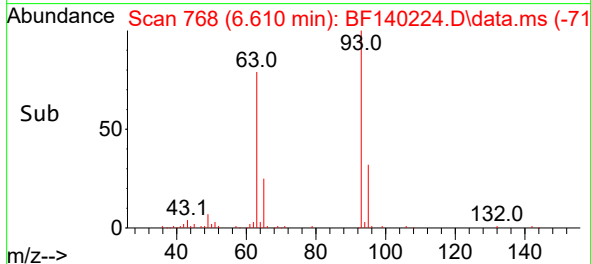
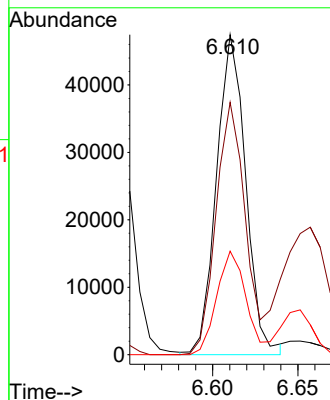
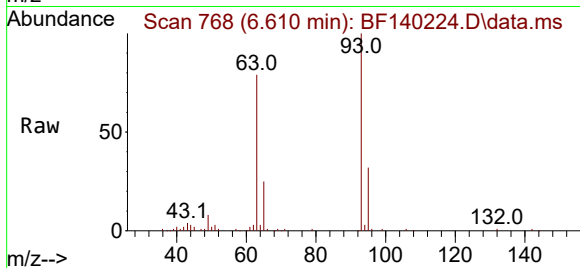
Tgt Ion: 93 Resp: 56492

Ion Ratio Lower Upper

93 100

63 78.9 59.8 99.8

95 32.3 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 4.599 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

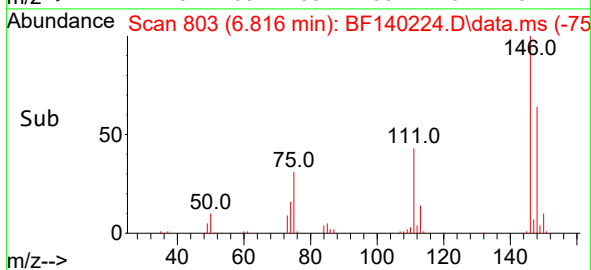
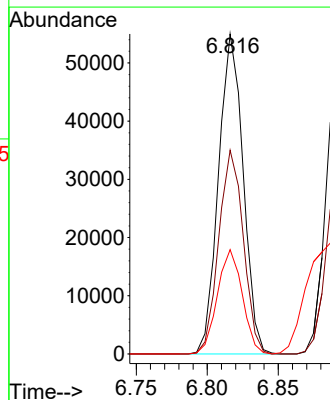
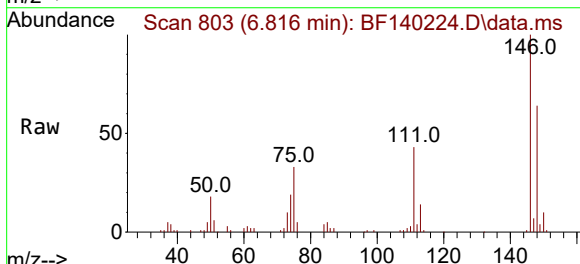
Tgt Ion: 146 Resp: 66301

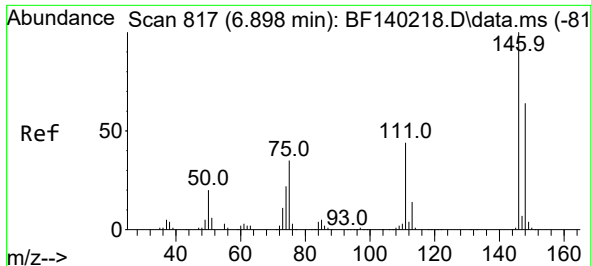
Ion Ratio Lower Upper

146 100

148 63.6 51.0 76.4

75 32.6 28.2 42.4

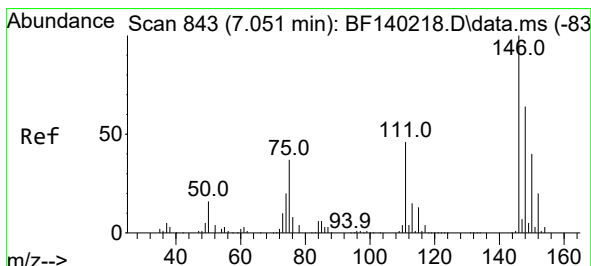
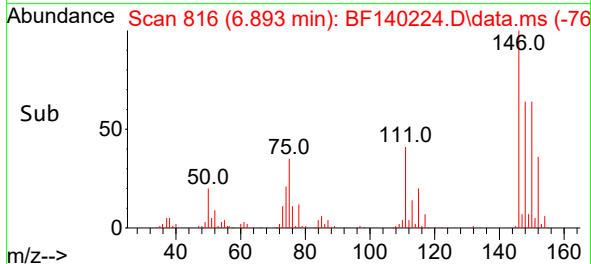
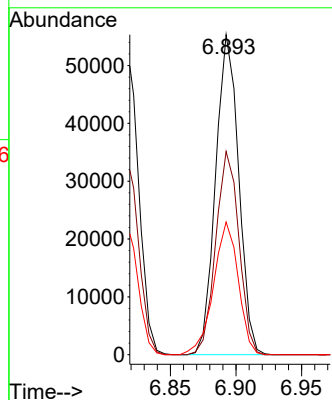
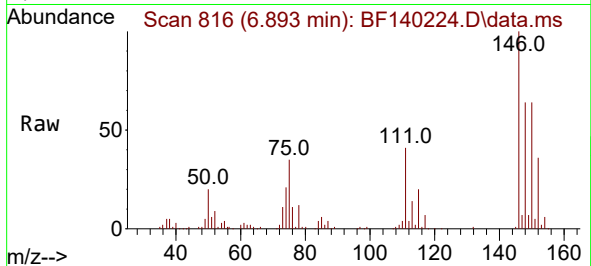




#13
1,4-Dichlorobenzene
Concen: 4.639 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

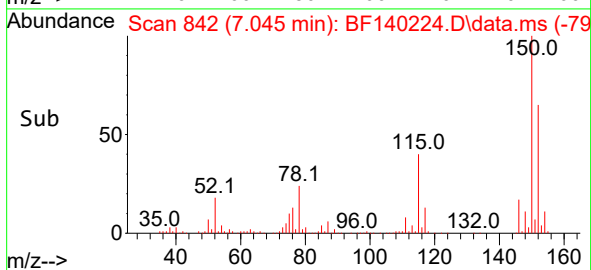
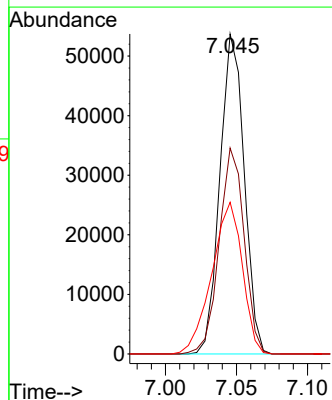
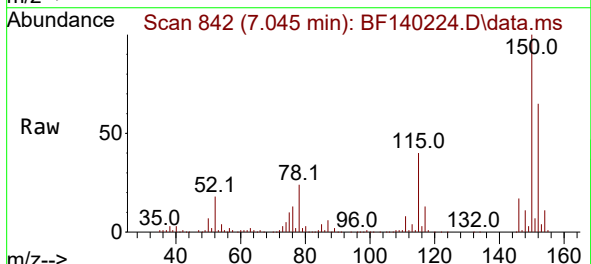
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

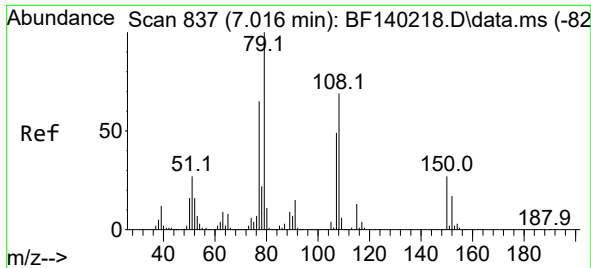
Tgt Ion:146 Resp: 67562
Ion Ratio Lower Upper
146 100
148 63.5 51.4 77.0
111 41.4 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 4.687 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:146 Resp: 63790
Ion Ratio Lower Upper
146 100
148 64.4 51.3 76.9
111 47.4 37.1 55.7

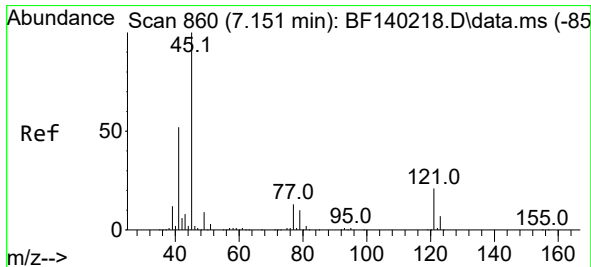
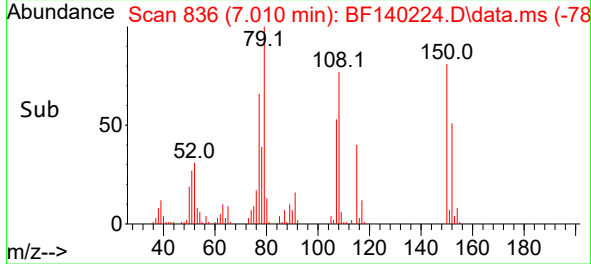
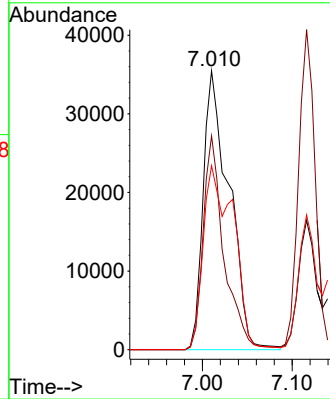
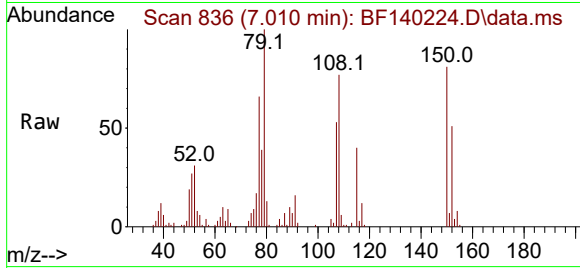




#15
Benzyl Alcohol
Concen: 6.087 ng
RT: 7.010 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

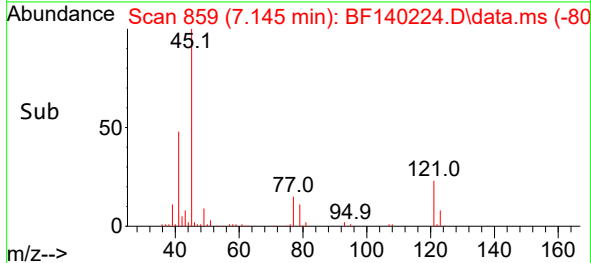
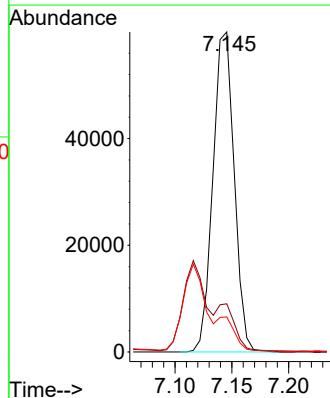
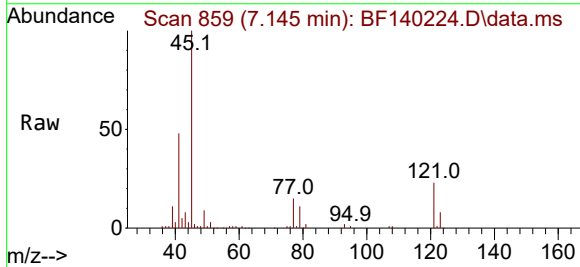
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

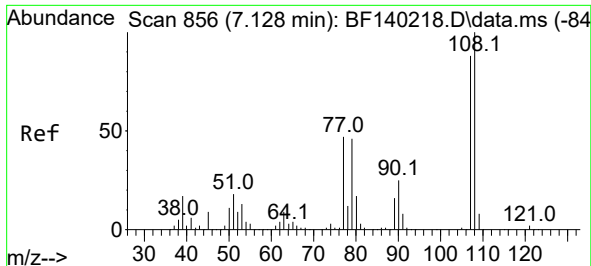
Tgt Ion: 79	Resp: 70864
Ion Ratio	Lower Upper
79 100	
108 76.7	55.6 83.4
77 66.0	51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.460 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 45	Resp: 78021
Ion Ratio	Lower Upper
45 100	
77 15.0	0.0 34.5
79 10.9	0.0 31.0

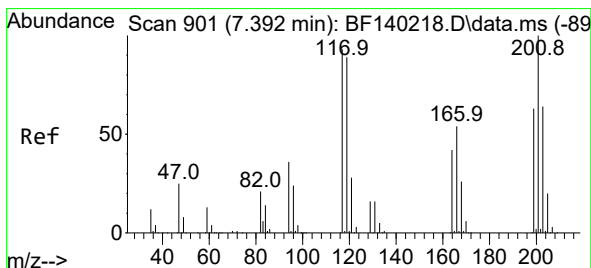
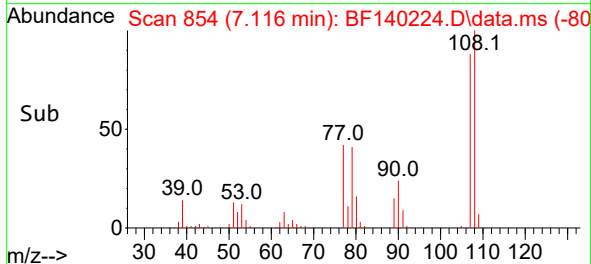
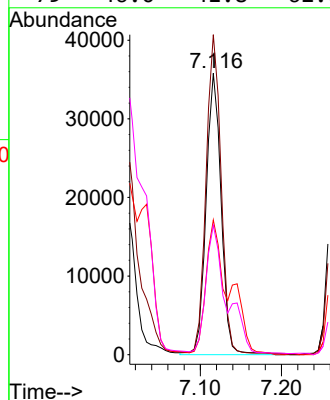
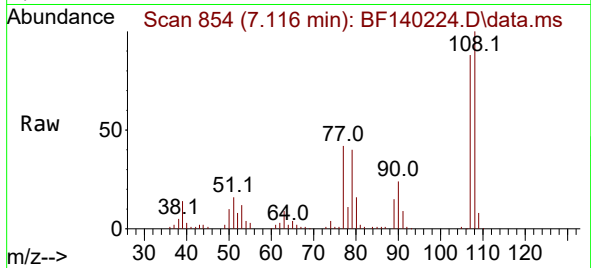




#17
2-Methylphenol
Concen: 4.672 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

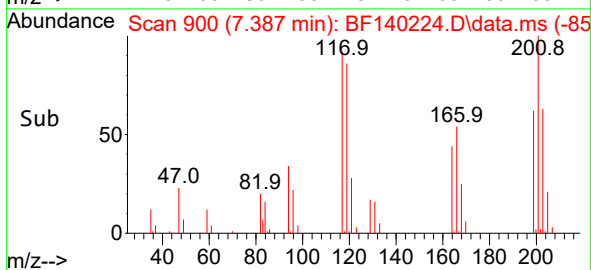
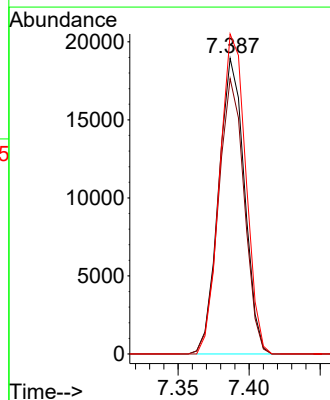
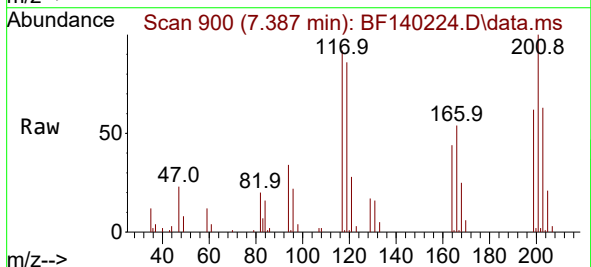
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

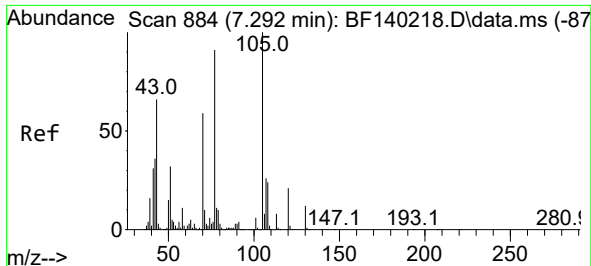
Tgt Ion:	107	Resp:	46171
Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.4	137.0
77	47.8	43.0	64.4
79	46.0	41.8	62.6



#18
Hexachloroethane
Concen: 4.415 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:	117	Resp:	23937
Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.0	115.4
201	108.2	86.2	129.4

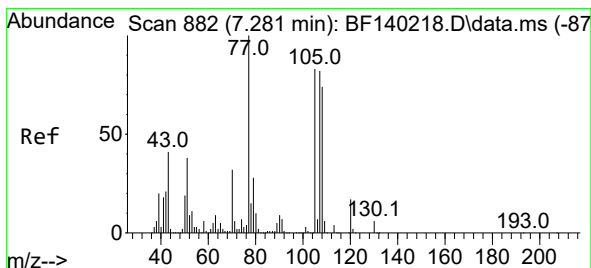
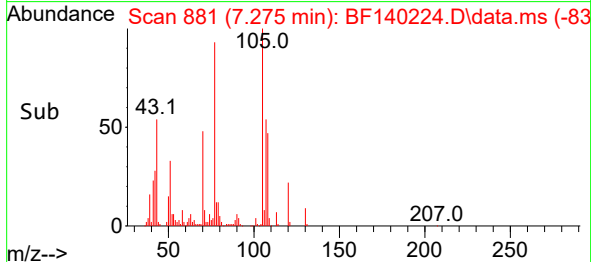
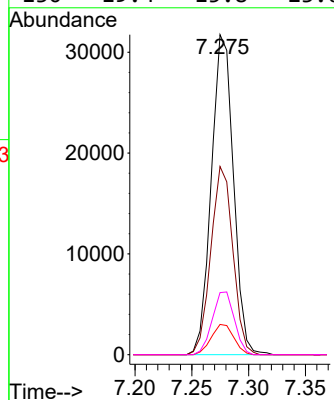
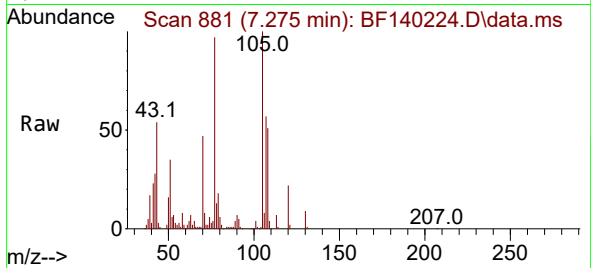




#19
n-Nitroso-di-n-propylamine
Concen: 4.427 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

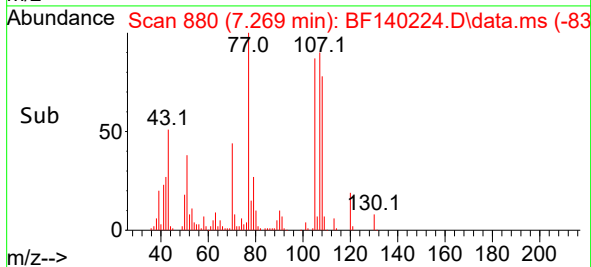
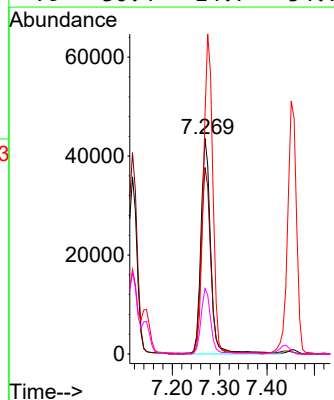
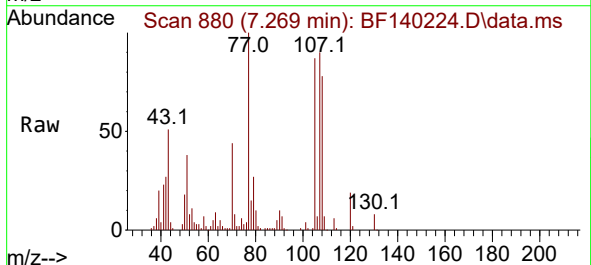
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

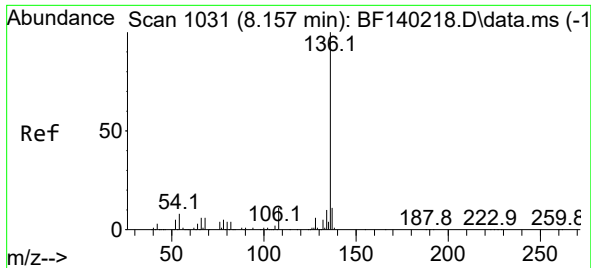
Tgt Ion: 70 Resp: 42962
Ion Ratio Lower Upper
70 100
42 58.8 49.2 73.8
101 9.4 7.5 11.3
130 19.4 15.8 23.6



#20
3+4-Methylphenols
Concen: 4.908 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 107 Resp: 62411
Ion Ratio Lower Upper
107 100
108 86.6 70.0 110.0
77 110.7 101.9 141.9
79 30.4 14.7 54.7

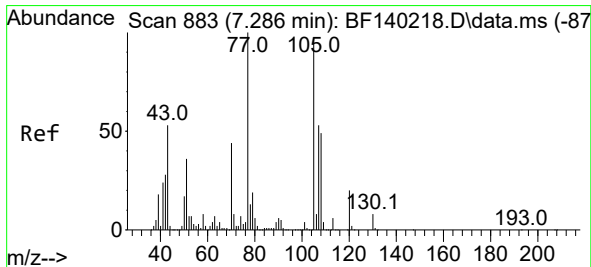
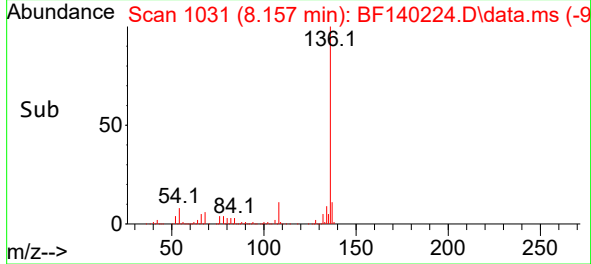
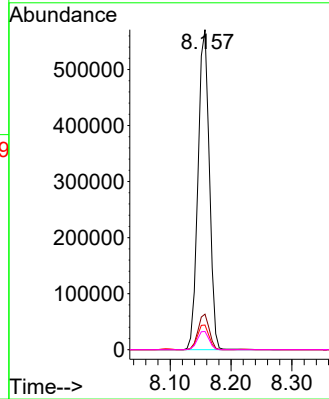
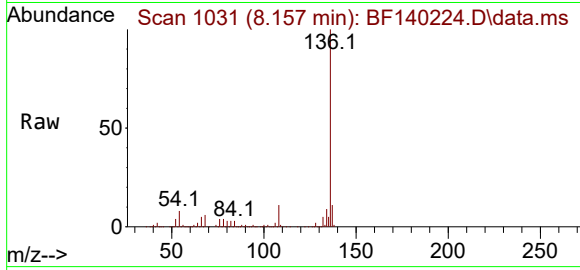




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

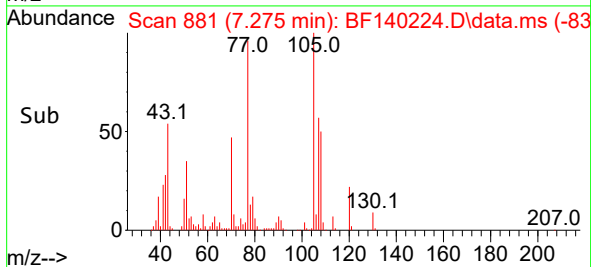
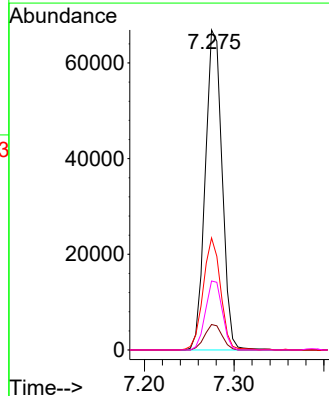
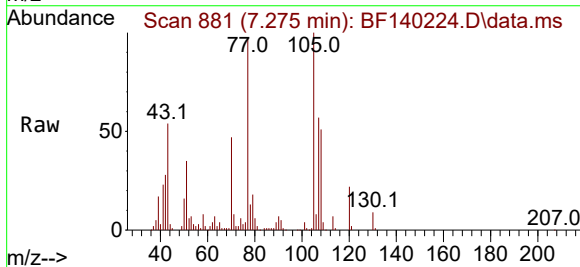
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

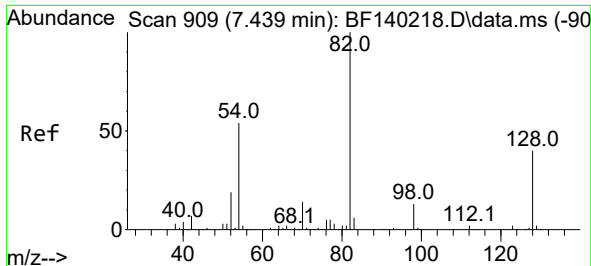
Tgt Ion:	136	Resp:	736682
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	7.7	6.9	10.3
68	5.7	4.9	7.3



#22
Acetophenone
Concen: 4.834 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:	105	Resp:	87280
Ion Ratio	Lower	Upper	
105	100		
71	8.0	6.2	9.4
51	35.0	30.1	45.1
120	21.5	16.6	25.0

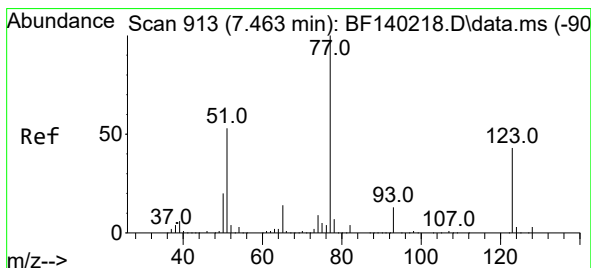
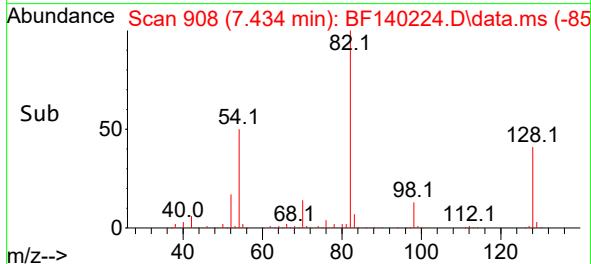
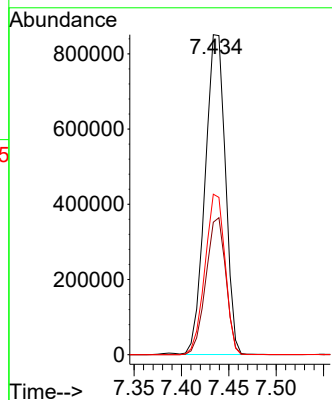
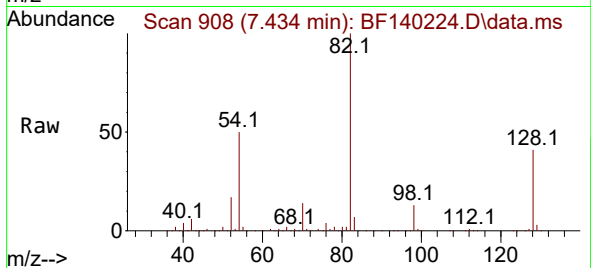




#23
Nitrobenzene-d5
Concen: 86.596 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

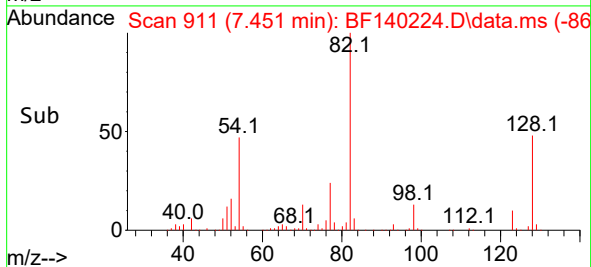
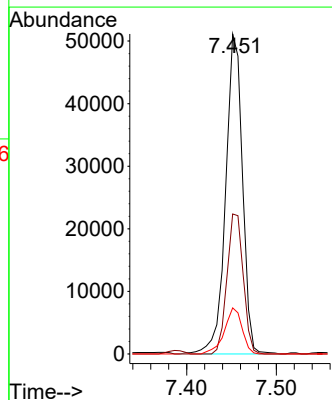
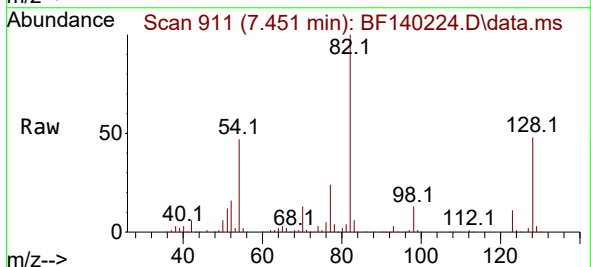
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

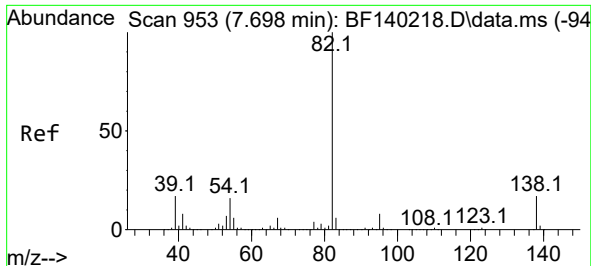
Tgt Ion: 82 Resp: 1261008
Ion Ratio Lower Upper
82 100
128 41.4 31.4 47.2
54 50.1 42.7 64.1



#24
Nitrobenzene
Concen: 4.389 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 77 Resp: 66717
Ion Ratio Lower Upper
77 100
123 43.8 34.6 51.8
65 14.4 11.4 17.0

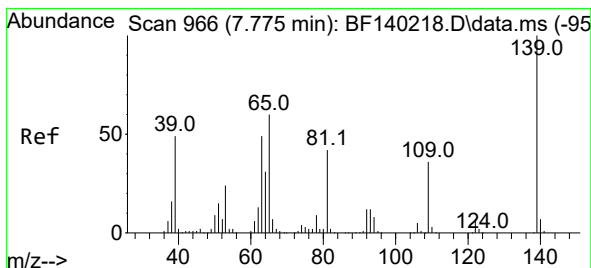
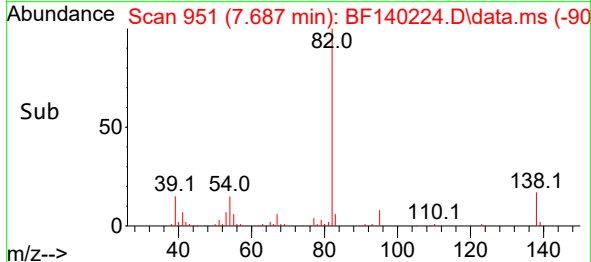
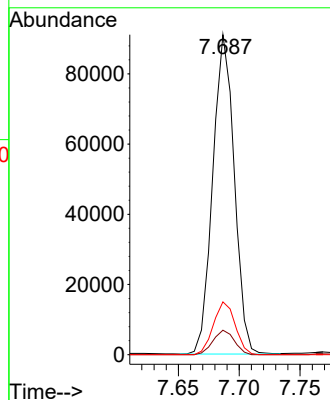
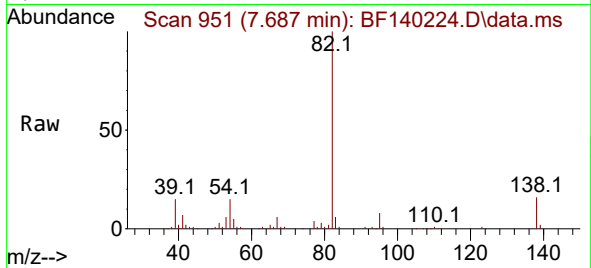




#25
Isophorone
Concen: 4.526 ng
RT: 7.687 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

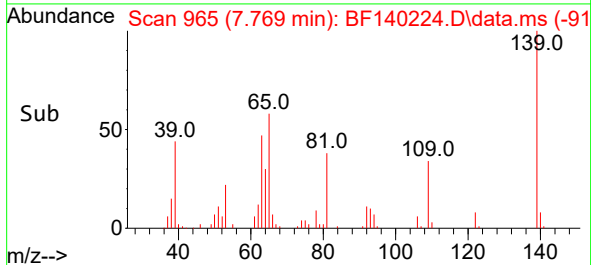
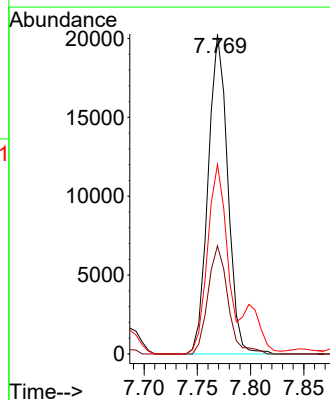
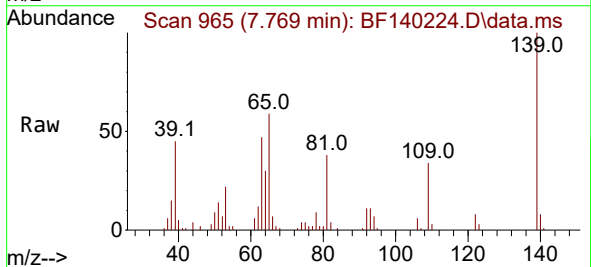
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

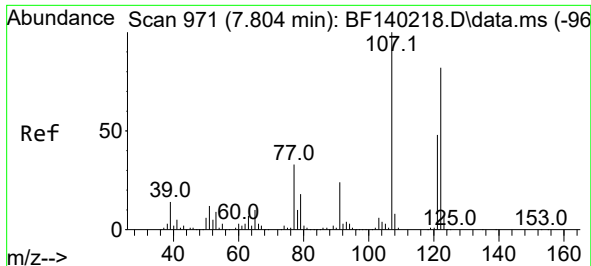
Tgt Ion: 82 Resp: 111951
Ion Ratio Lower Upper
82 100
95 7.6 6.2 9.4
138 16.5 13.2 19.8



#26
2-Nitrophenol
Concen: 4.359 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:139 Resp: 26009
Ion Ratio Lower Upper
139 100
109 33.8 28.6 42.8
65 59.2 47.8 71.6

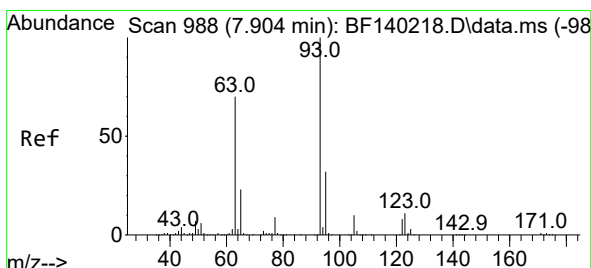
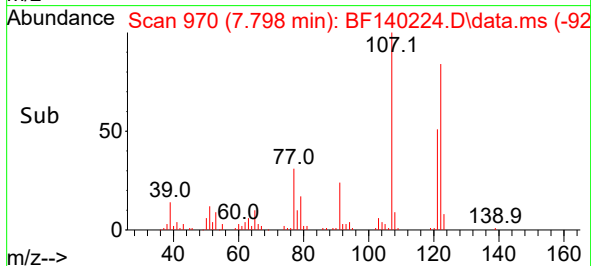
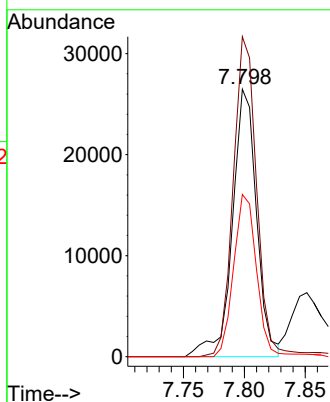
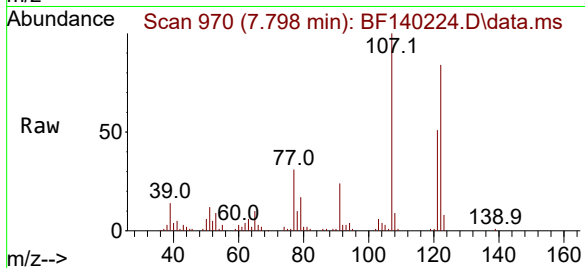




#27
2,4-Dimethylphenol
Concen: 4.478 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

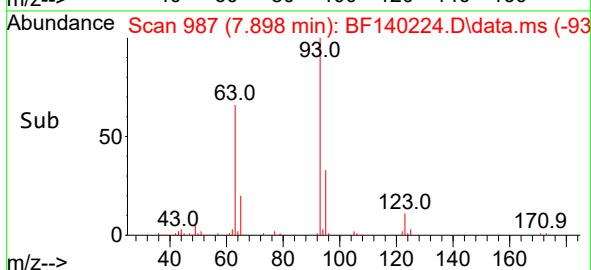
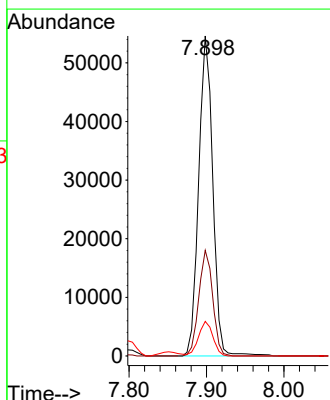
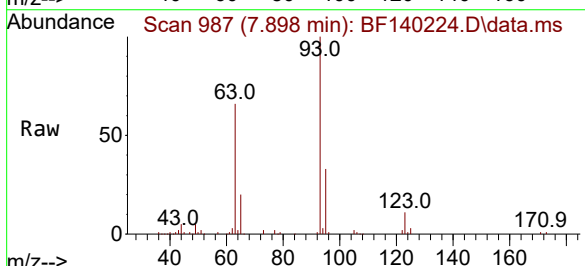
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

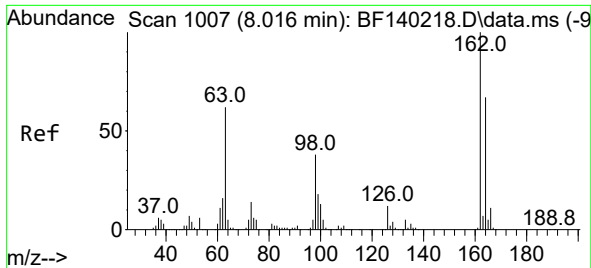
Tgt Ion:122 Resp: 36590
Ion Ratio Lower Upper
122 100
107 119.6 97.9 146.9
121 60.6 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 4.625 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion: 93 Resp: 68929
Ion Ratio Lower Upper
93 100
95 33.0 25.8 38.8
123 10.8 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 4.688 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

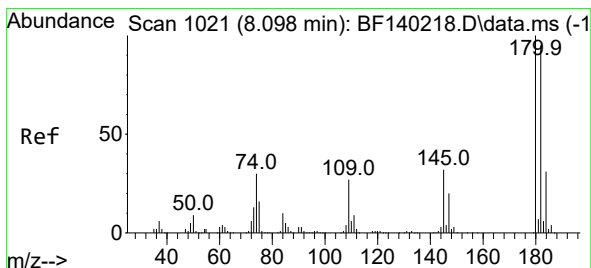
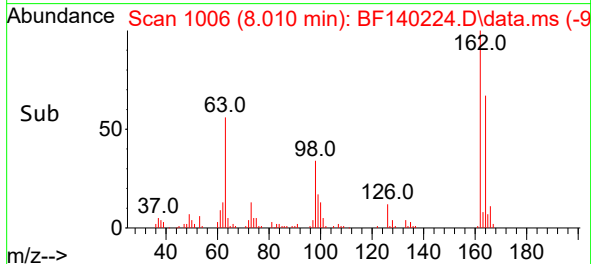
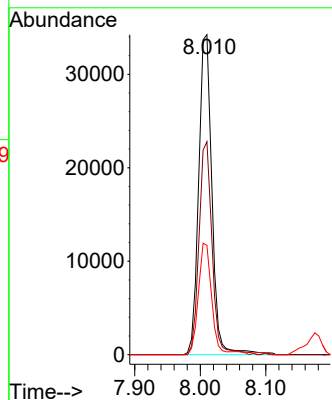
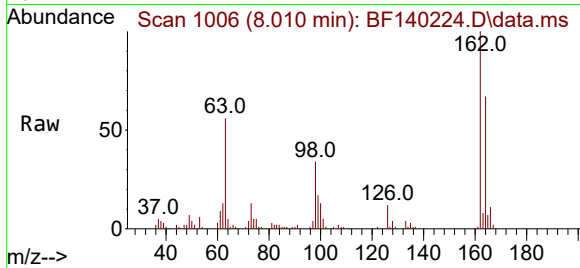
Tgt Ion:162 Resp: 48440

Ion Ratio Lower Upper

162 100

164 66.5 47.0 87.0

98 34.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 4.597 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

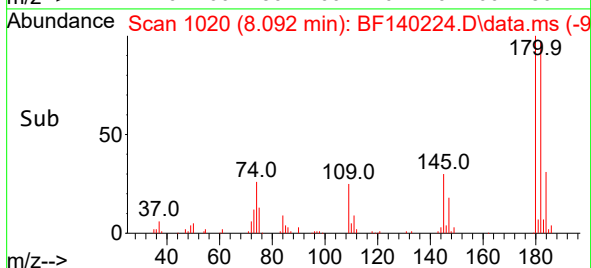
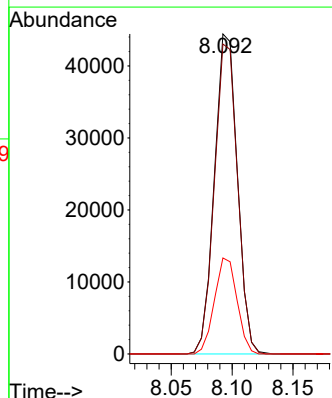
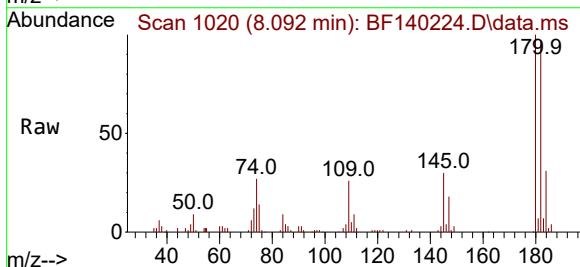
Tgt Ion:180 Resp: 58329

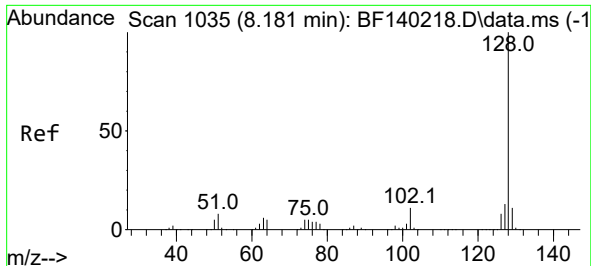
Ion Ratio Lower Upper

180 100

182 96.8 76.1 114.1

145 30.0 25.2 37.8

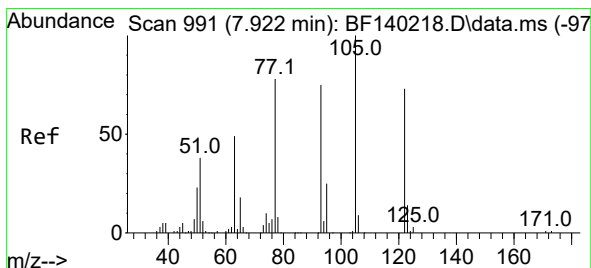
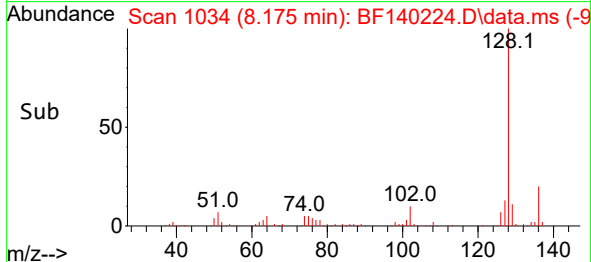
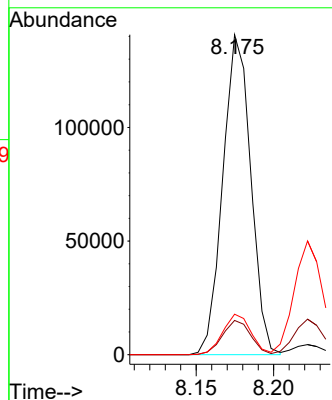
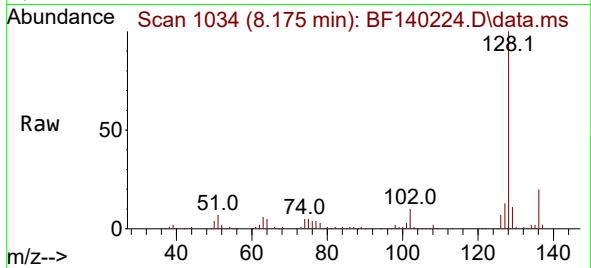




#31
Naphthalene
Concen: 4.751 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

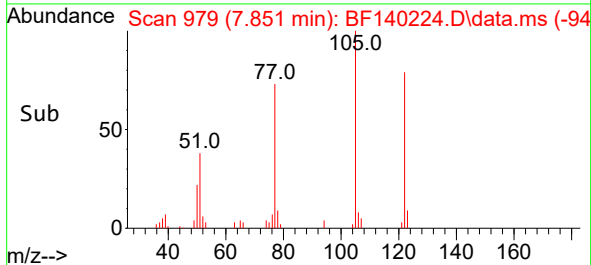
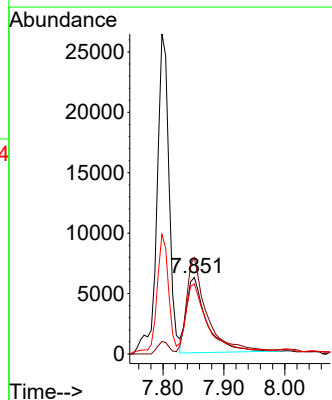
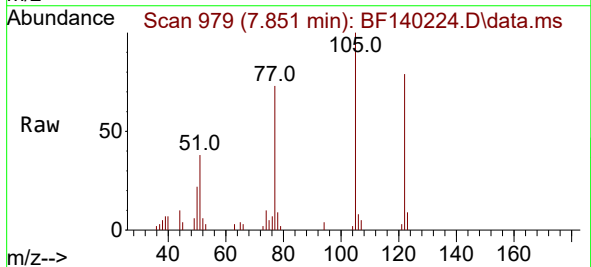
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

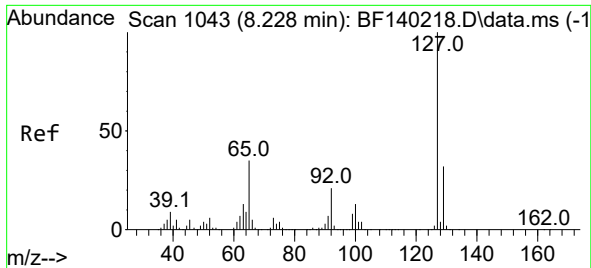
Tgt Ion:128 Resp: 176448
Ion Ratio Lower Upper
128 100
129 10.7 9.1 13.7
127 12.6 10.6 16.0



#32
Benzoic acid
Concen: 2.209 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.071 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:122 Resp: 14351
Ion Ratio Lower Upper
122 100
105 125.9 111.7 151.7
77 91.6 84.6 124.6

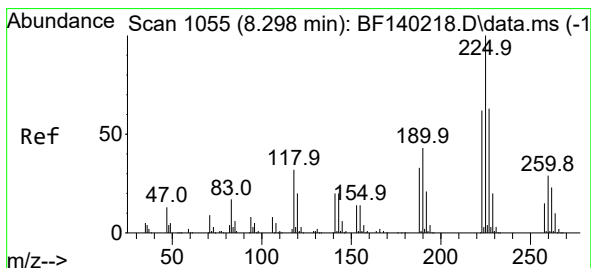
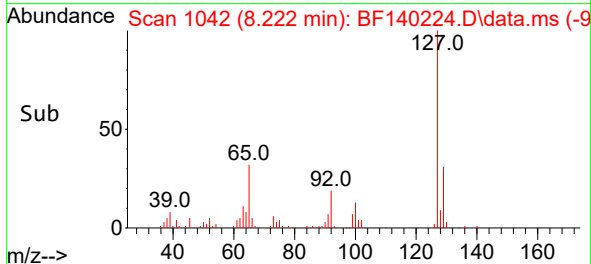
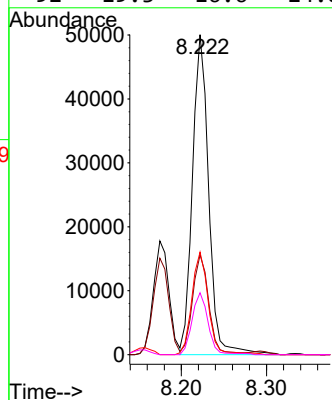
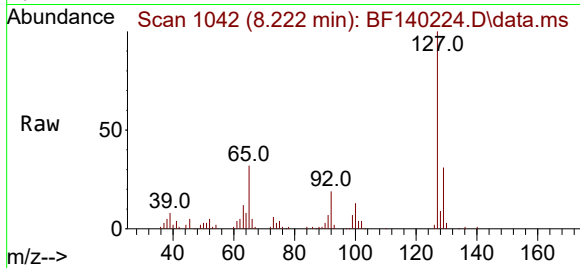




#33
4-Chloroaniline
Concen: 5.391 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

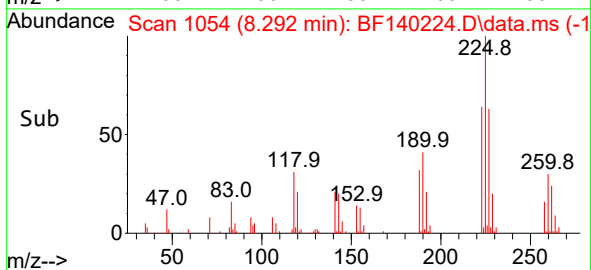
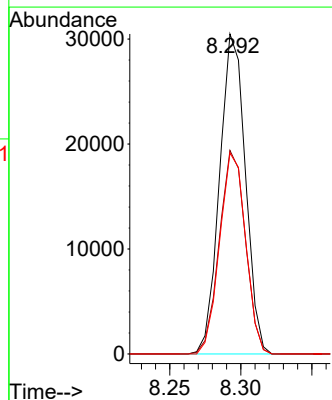
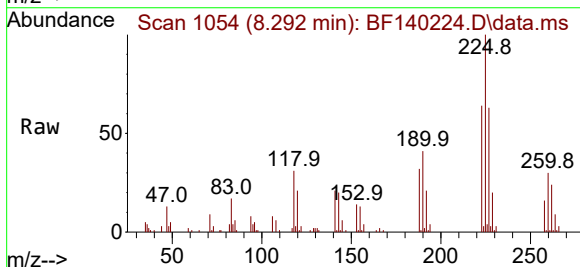
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

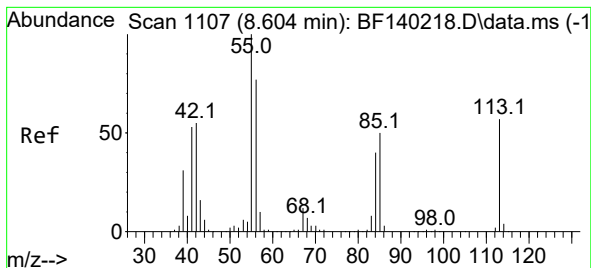
Tgt Ion:	127	Resp:	66360
Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.1	39.1
65	32.0	28.2	42.2
92	19.3	16.6	24.8



#34
Hexachlorobutadiene
Concen: 4.370 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:	225	Resp:	38474
Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.9	74.9
227	62.8	50.3	75.5





#35

Caprolactam

Concen: 4.530 ng

RT: 8.551 min Scan# 1107

Delta R.T. -0.053 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

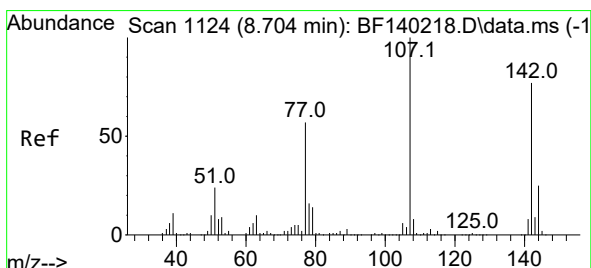
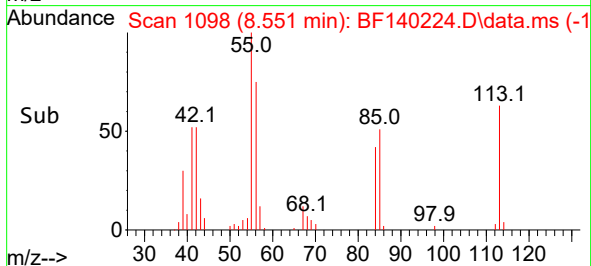
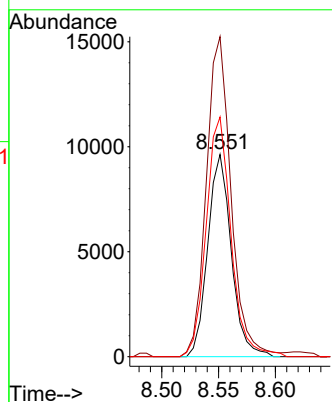
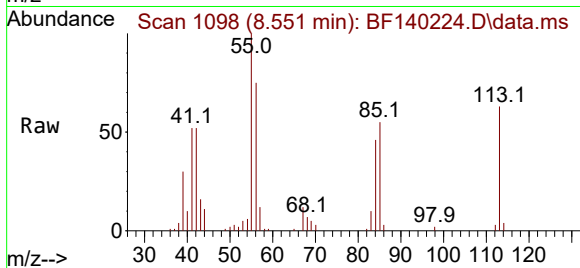
Tgt Ion:113 Resp: 13889

Ion Ratio Lower Upper

113 100

55 158.2 154.9 194.9

56 118.5 115.2 155.2



#36

4-Chloro-3-methylphenol

Concen: 4.470 ng

RT: 8.698 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

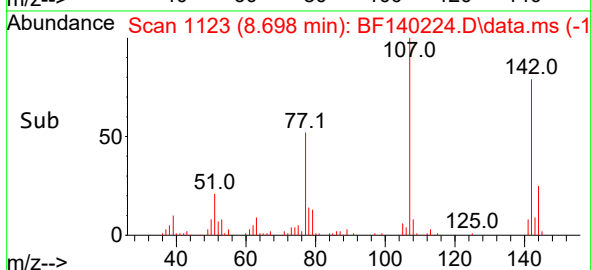
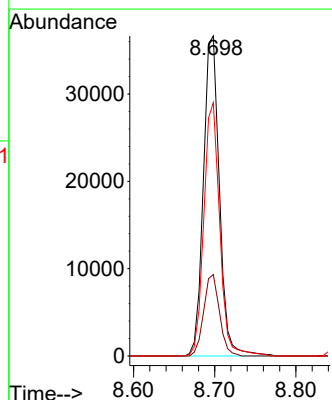
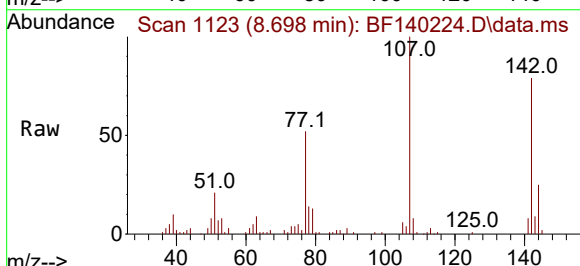
Tgt Ion:107 Resp: 50297

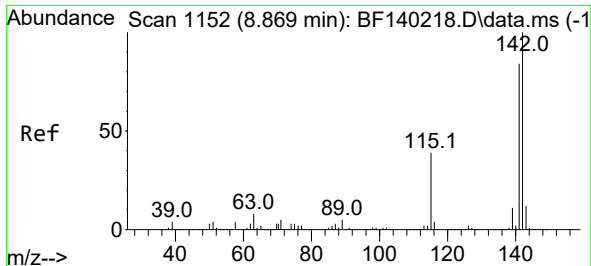
Ion Ratio Lower Upper

107 100

144 25.5 19.8 29.8

142 79.1 61.3 91.9

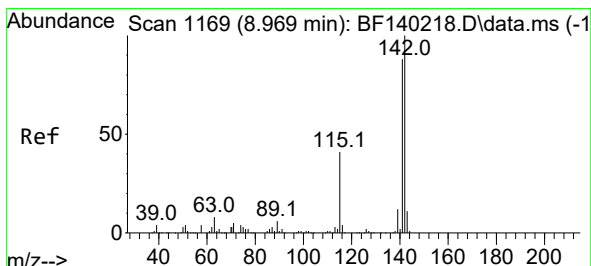
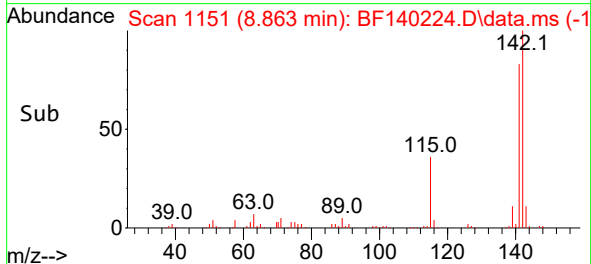
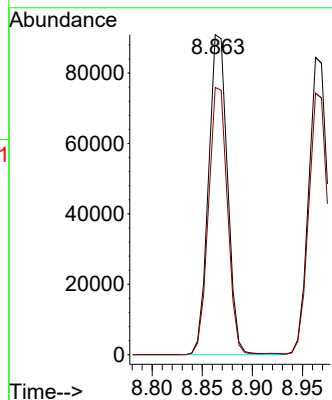
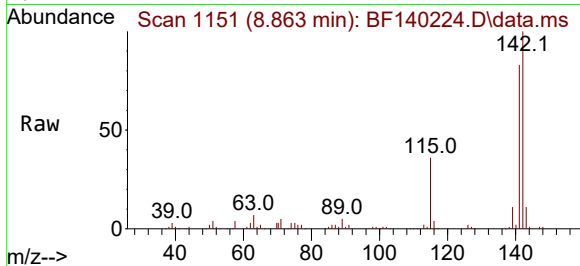




#37
2-Methylnaphthalene
Concen: 4.823 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

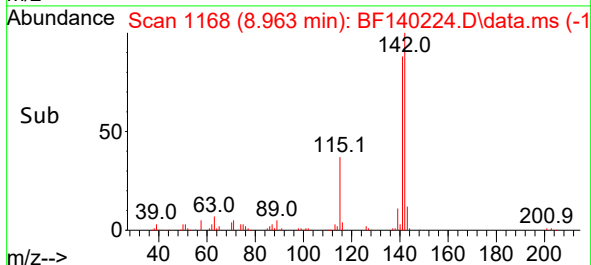
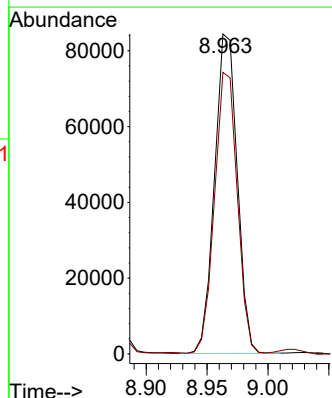
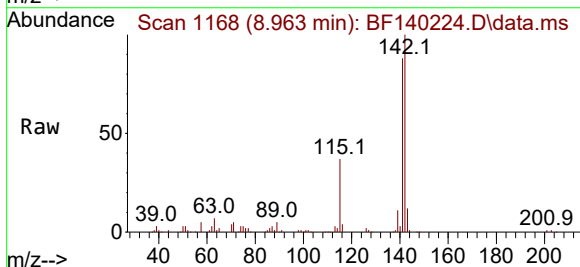
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

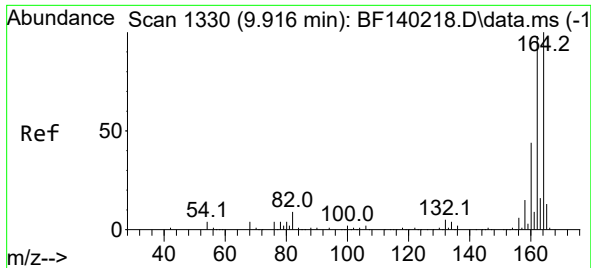
Tgt Ion:142 Resp: 119536
Ion Ratio Lower Upper
142 100
141 83.5 67.4 101.2



#38
1-Methylnaphthalene
Concen: 4.516 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:142 Resp: 109567
Ion Ratio Lower Upper
142 100
141 88.0 70.6 106.0

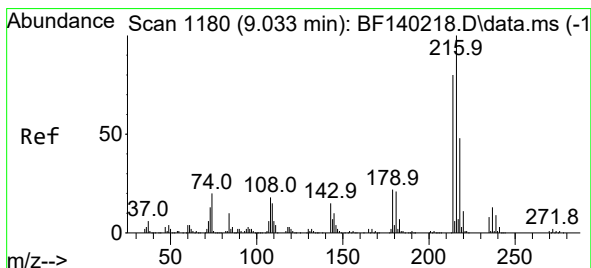
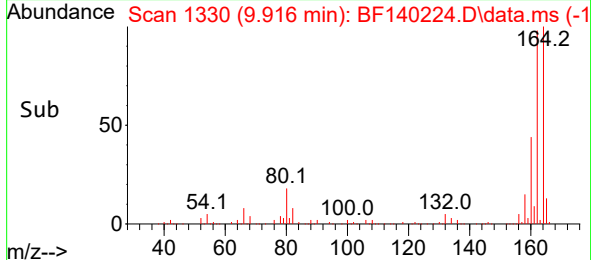
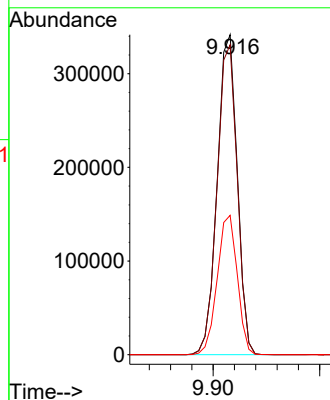
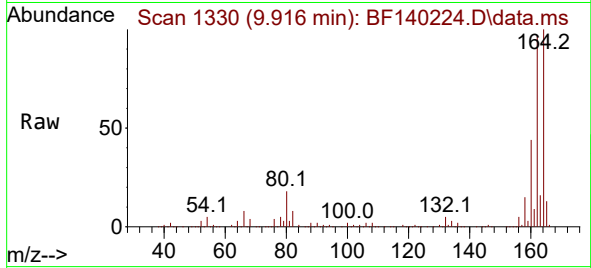




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

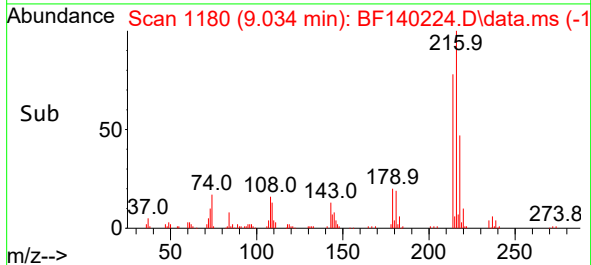
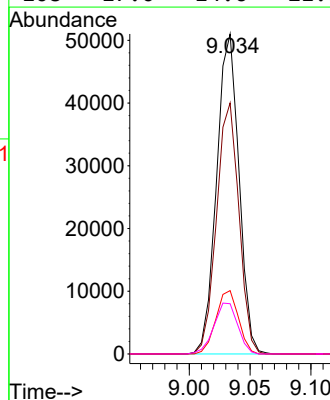
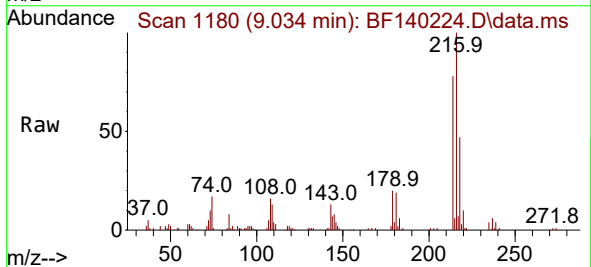
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

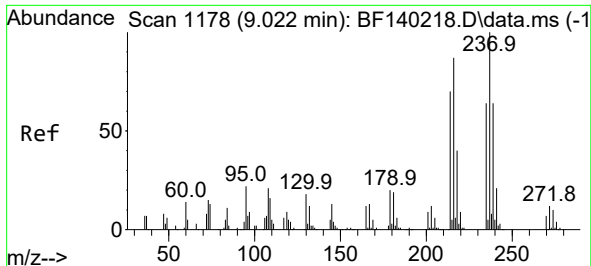
Tgt Ion:164 Resp: 444693
Ion Ratio Lower Upper
164 100
162 96.9 78.5 117.7
160 43.5 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.749 ng
RT: 9.034 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:216 Resp: 65188
Ion Ratio Lower Upper
216 100
214 78.5 63.3 94.9
179 19.9 17.2 25.8
108 17.0 14.6 21.8

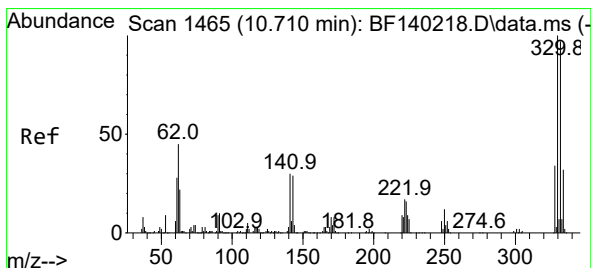
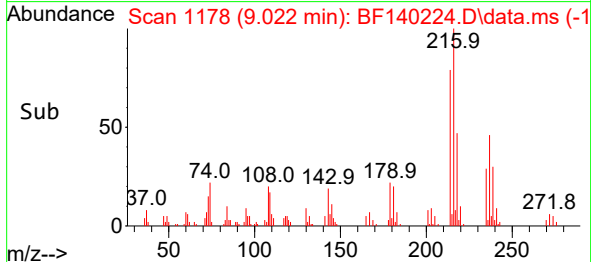
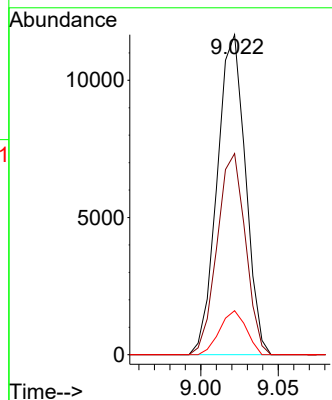
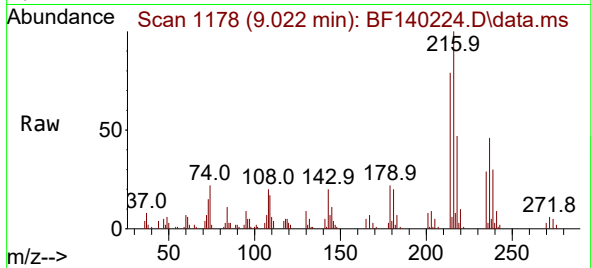




#41
Hexachlorocyclopentadiene
Concen: 3.932 ng
RT: 9.022 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

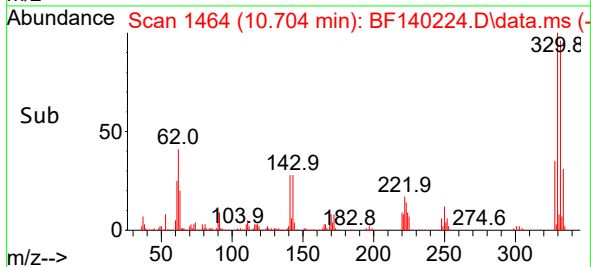
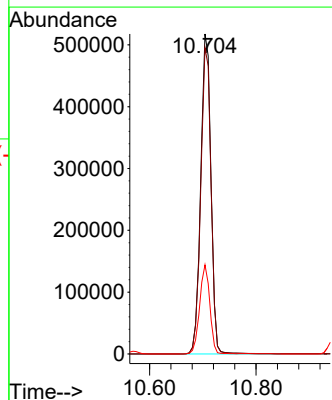
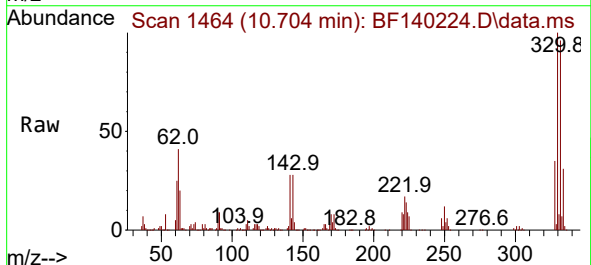
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

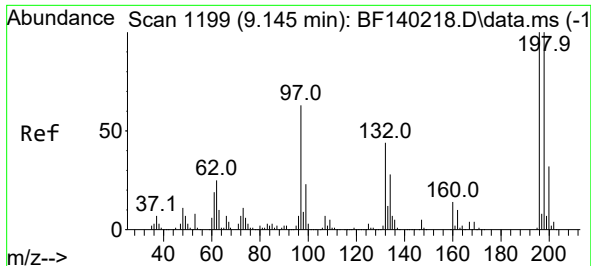
Tgt Ion:237 Resp: 14801
Ion Ratio Lower Upper
237 100
235 62.8 43.7 83.7
272 13.8 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 140.446 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:330 Resp: 688626
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 27.7 26.0 39.0





#43

2,4,6-Trichlorophenol

Concen: 4.424 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

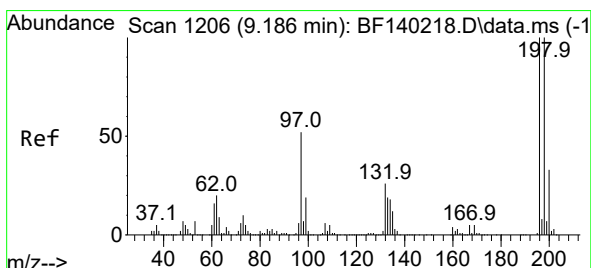
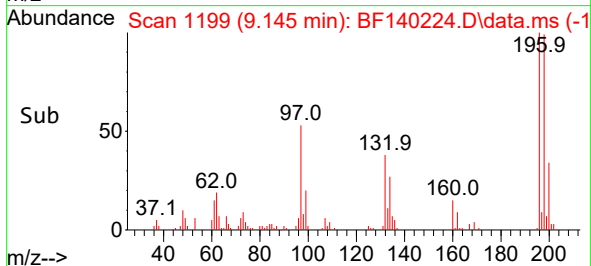
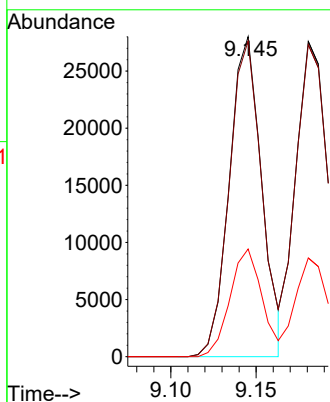
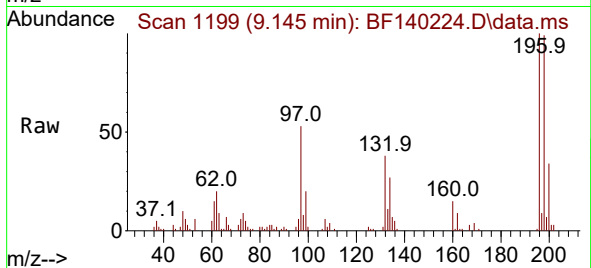
Tgt Ion:196 Resp: 37075

Ion Ratio Lower Upper

196 100

198 98.7 79.9 119.9

200 33.7 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 4.247 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Tgt Ion:196 Resp: 37188

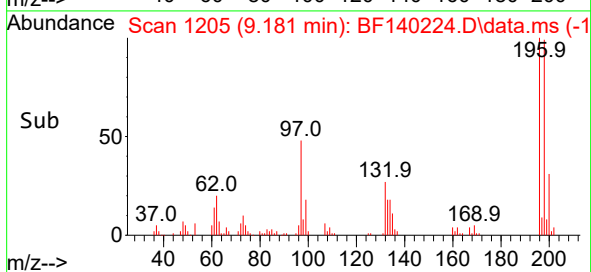
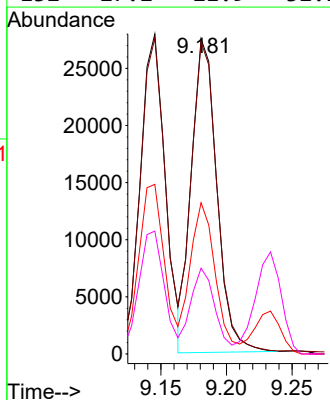
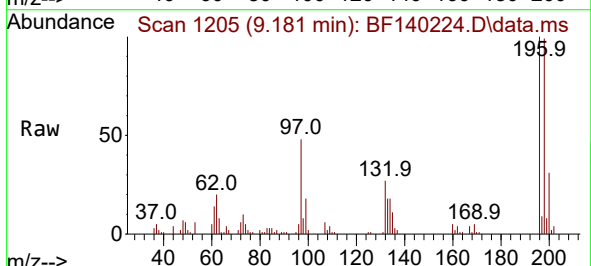
Ion Ratio Lower Upper

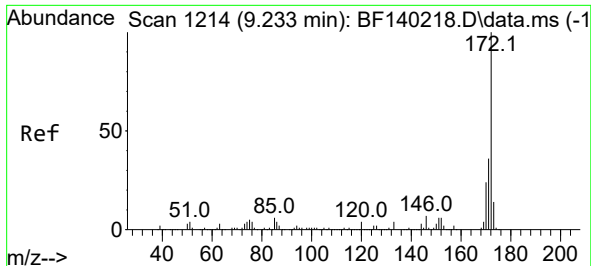
196 100

198 99.0 80.1 120.1

97 48.0 43.4 65.2

132 27.2 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 86.809 ng

RT: 9.234 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

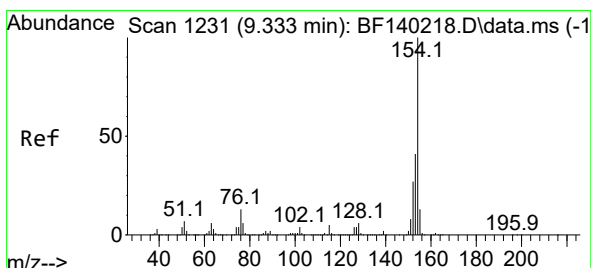
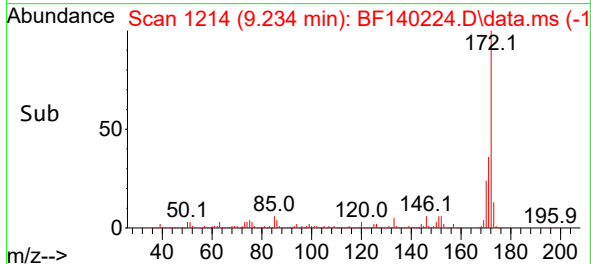
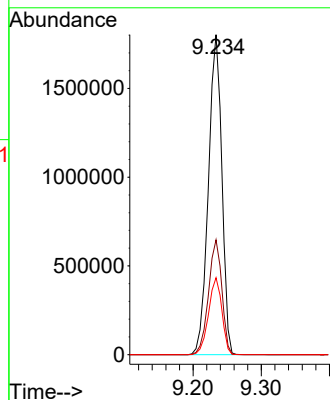
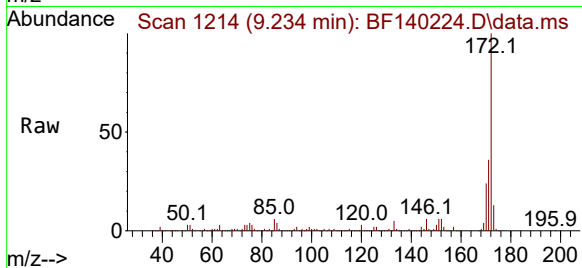
Tgt Ion:172 Resp: 2469728

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 24.0 19.2 28.8



#46

1,1'-Biphenyl

Concen: 4.987 ng

RT: 9.334 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

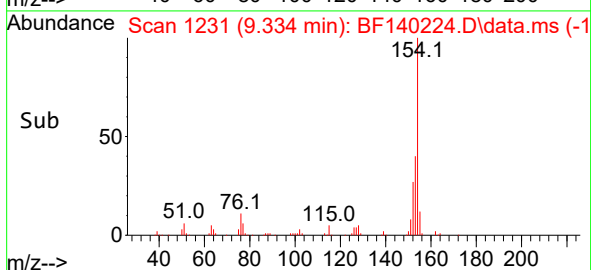
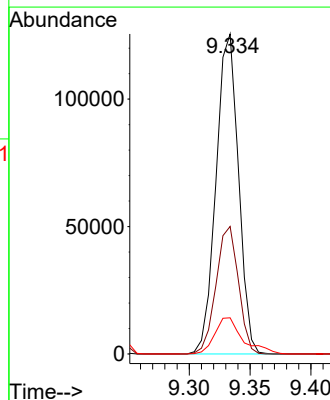
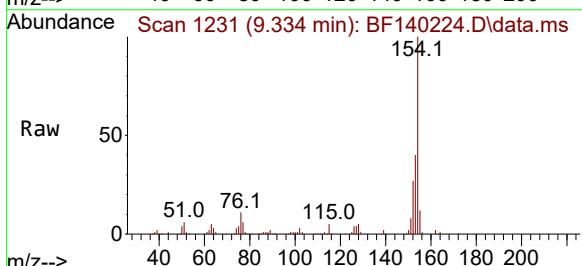
Tgt Ion:154 Resp: 160959

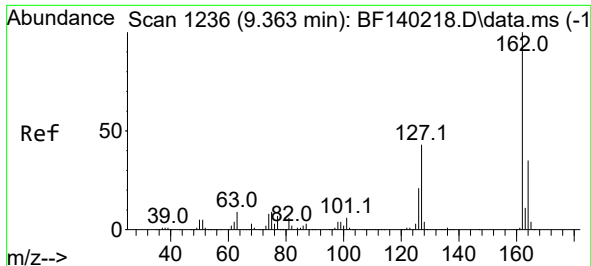
Ion Ratio Lower Upper

154 100

153 39.9 20.6 60.6

76 11.3 0.0 32.7





#47

2-Chloronaphthalene

Concen: 4.637 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

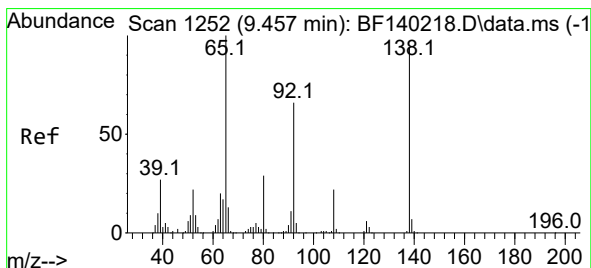
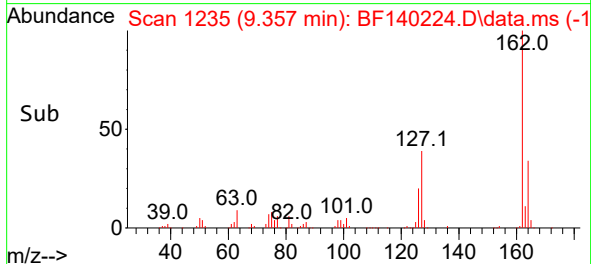
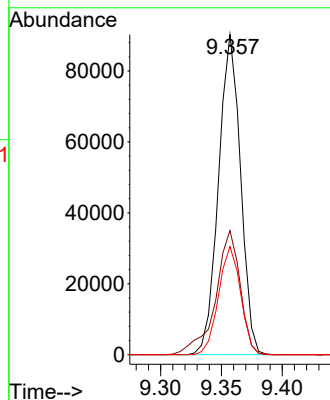
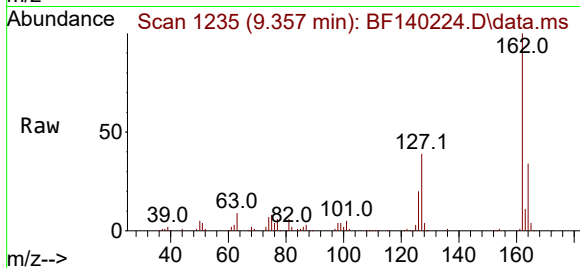
Tgt Ion:162 Resp: 113567

Ion Ratio Lower Upper

162 100

127 38.8 34.2 51.2

164 33.8 27.7 41.5



#48

2-Nitroaniline

Concen: 4.064 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

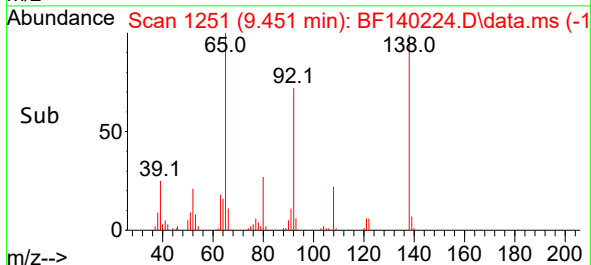
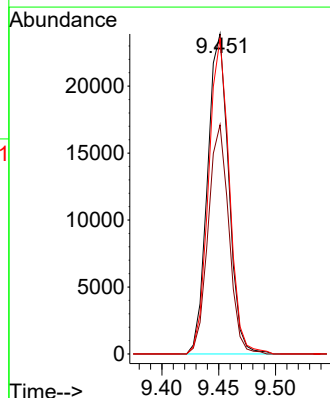
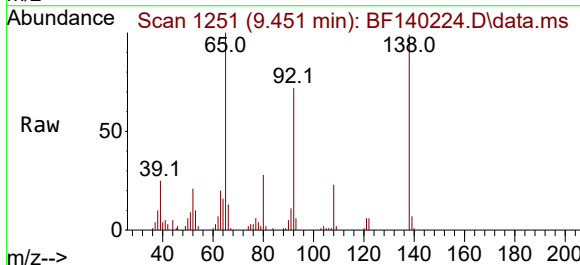
Tgt Ion: 65 Resp: 30941

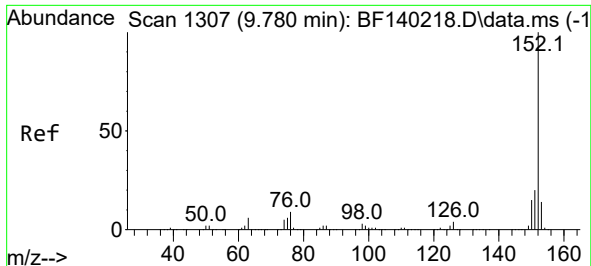
Ion Ratio Lower Upper

65 100

92 71.6 52.5 78.7

138 98.5 75.4 113.0





#49

Acenaphthylene

Concen: 5.095 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

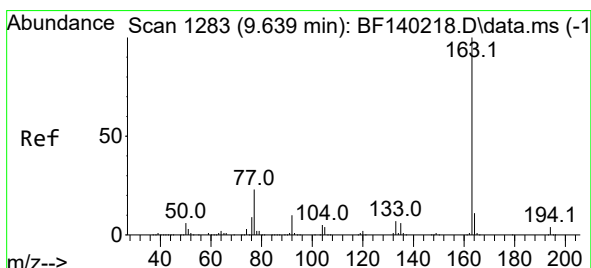
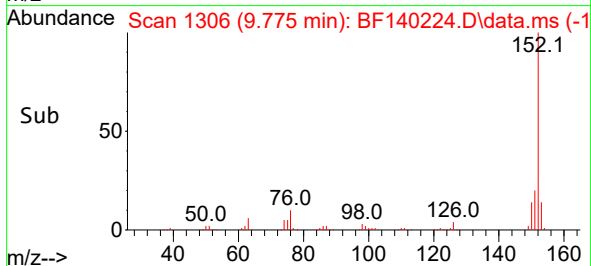
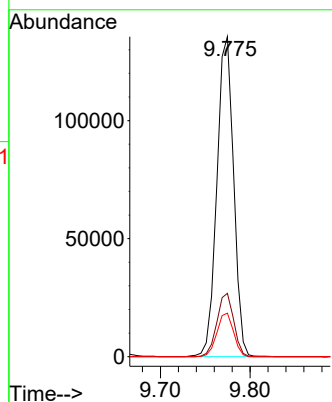
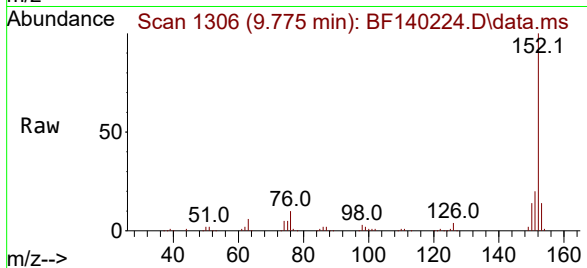
Tgt Ion:152 Resp: 175611

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

153 13.6 11.3 16.9



#50

Dimethylphthalate

Concen: 4.678 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

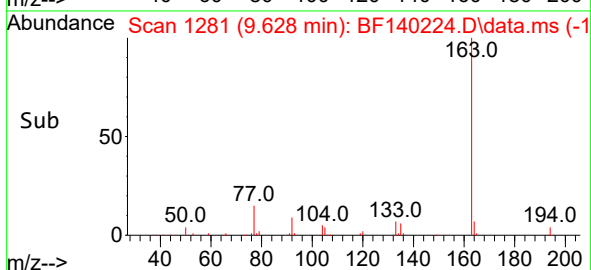
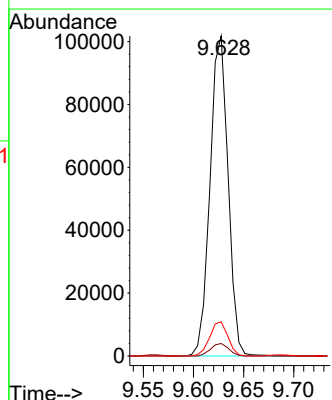
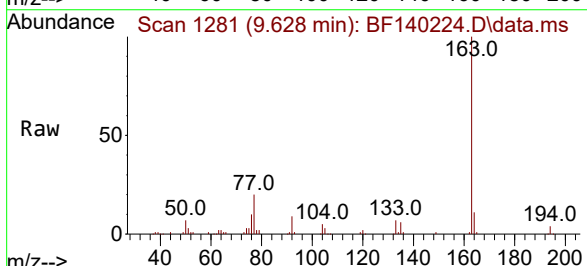
Tgt Ion:163 Resp: 127569

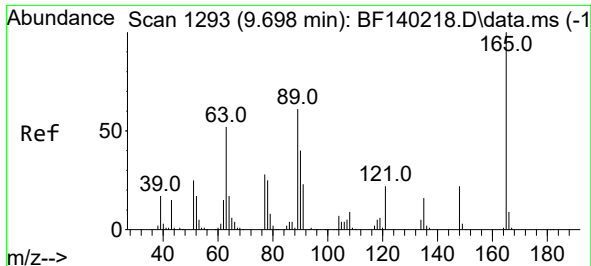
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.7 8.6 12.8

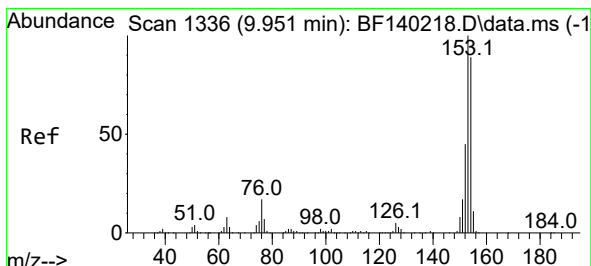
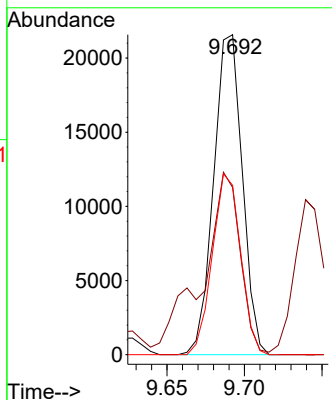
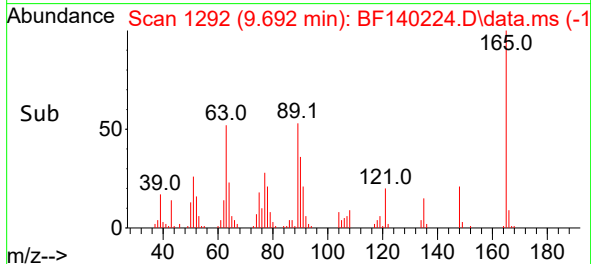
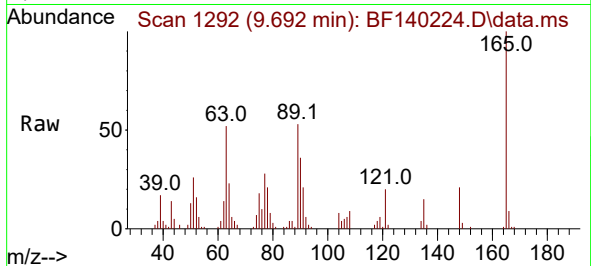




#51
2,6-Dinitrotoluene
Concen: 4.275 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

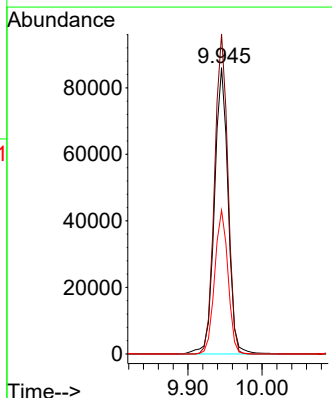
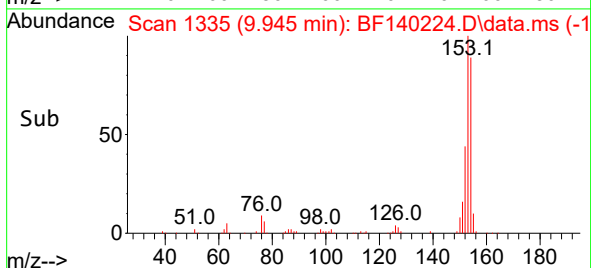
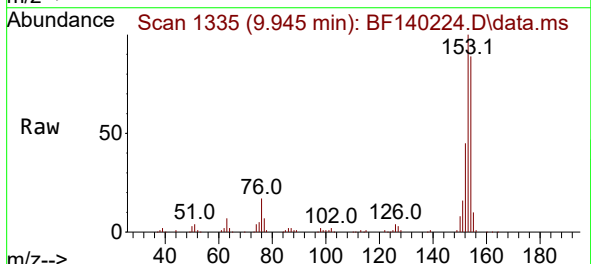
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

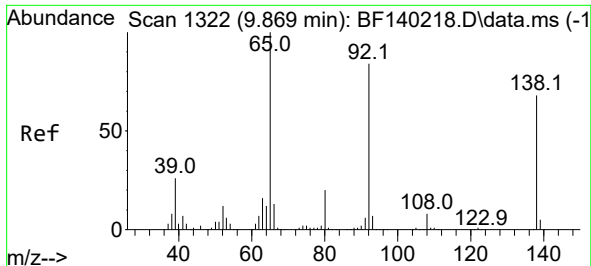
Tgt Ion:165 Resp: 27780
Ion Ratio Lower Upper
165 100
63 52.2 50.7 76.1
89 52.9 49.2 73.8



#52
Acenaphthene
Concen: 4.470 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:154 Resp: 109817
Ion Ratio Lower Upper
154 100
153 111.8 90.4 135.6
152 50.2 41.0 61.6

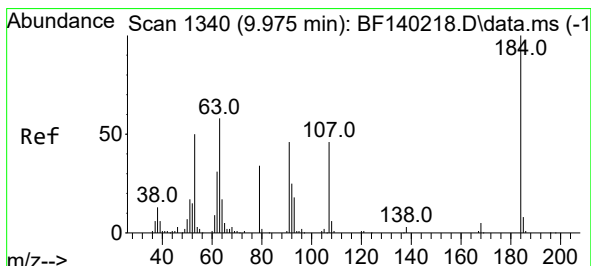
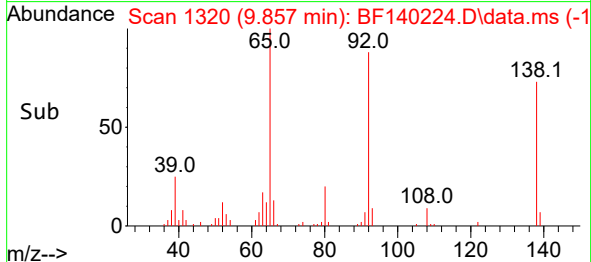
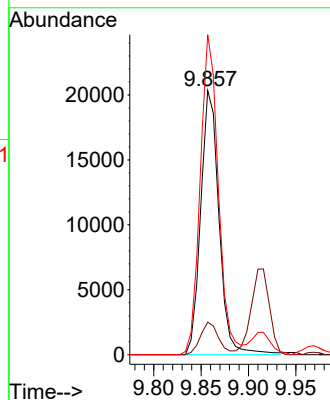
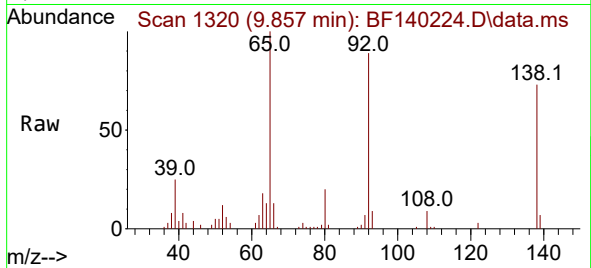




#53
3-Nitroaniline
Concen: 4.621 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

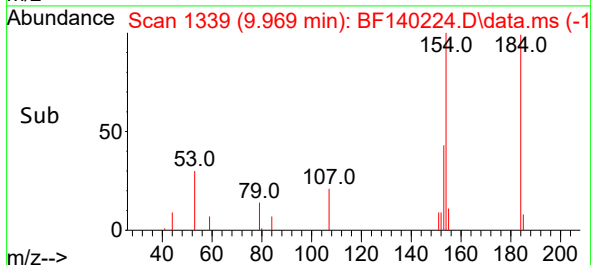
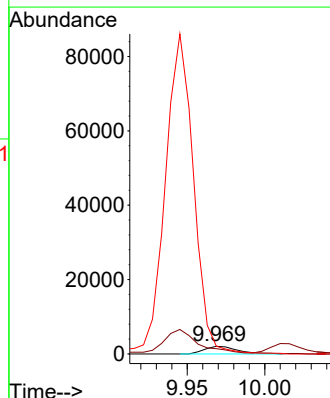
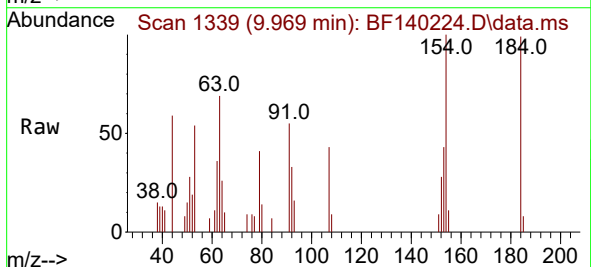
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

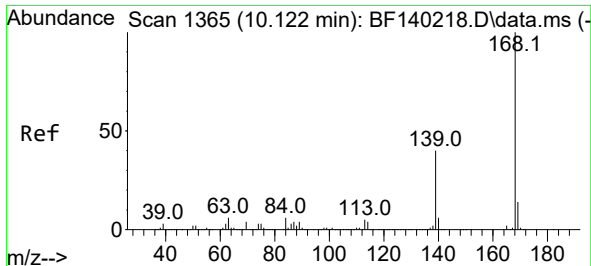
Tgt Ion:138 Resp: 27404
Ion Ratio Lower Upper
138 100
108 12.3 9.0 13.4
92 121.2 99.6 149.4



#54
2,4-Dinitrophenol
Concen: 7.191 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:184 Resp: 3040
Ion Ratio Lower Upper
184 100
63 69.7 55.0 82.4
154 101.5 58.6 87.8#

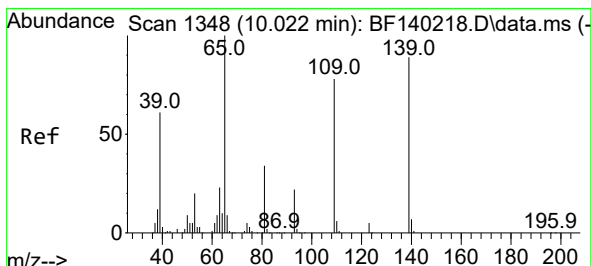
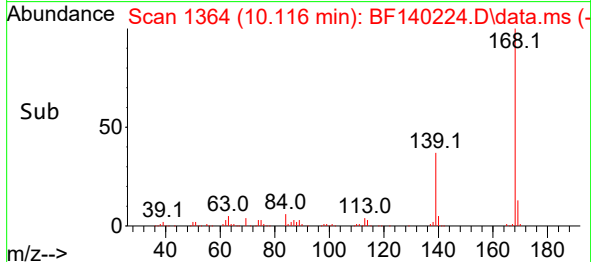
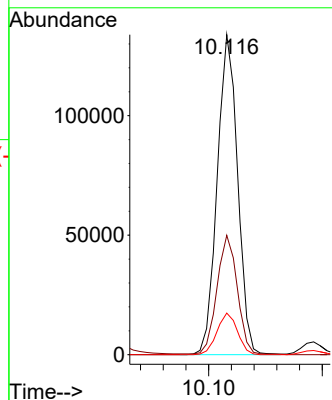
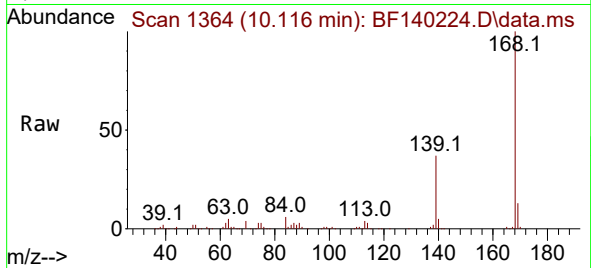




#55
Dibenzenofuran
Concen: 4.821 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

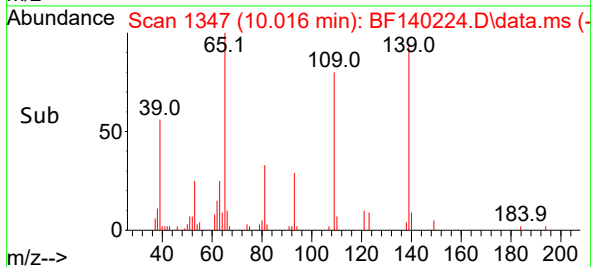
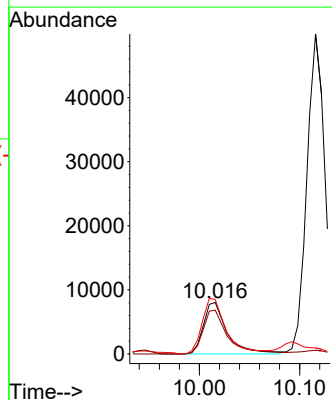
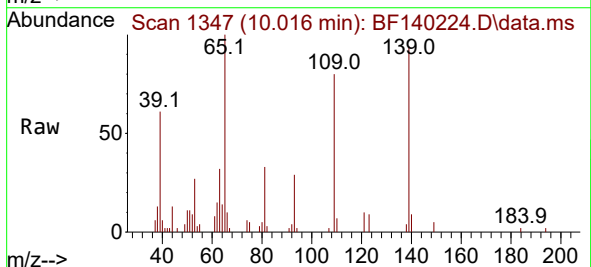
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

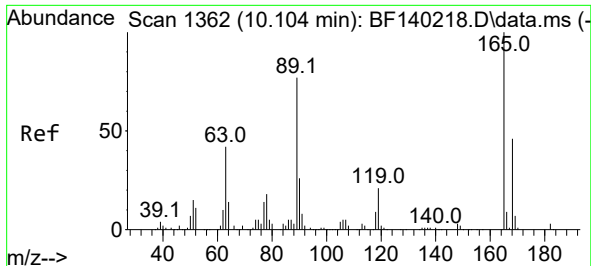
Tgt Ion:168 Resp: 167321
Ion Ratio Lower Upper
168 100
139 37.3 32.0 48.0
169 13.0 11.0 16.4



#56
4-Nitrophenol
Concen: 3.034 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:139 Resp: 13313
Ion Ratio Lower Upper
139 100
109 85.3 68.1 108.1
65 106.0 93.8 133.8

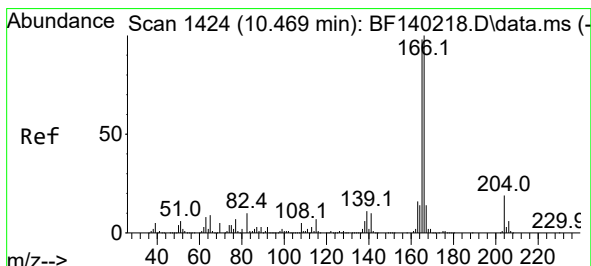
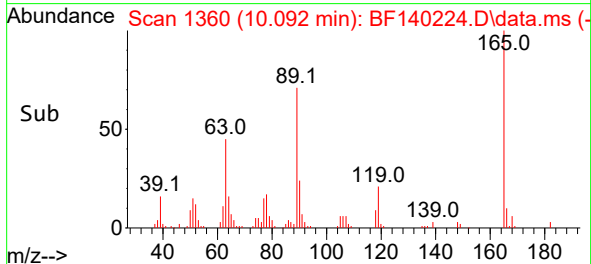
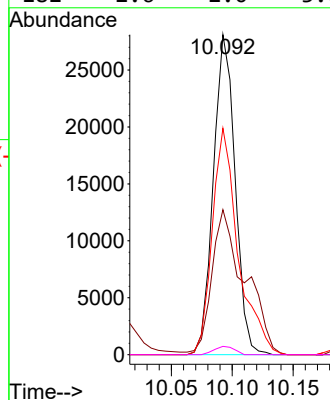
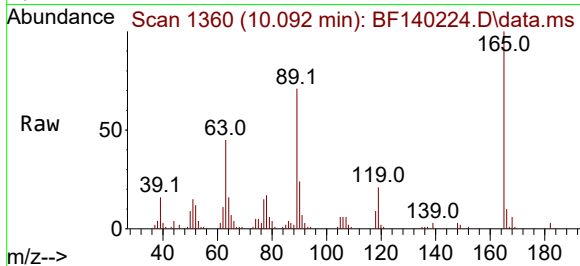




#57
2,4-Dinitrotoluene
Concen: 4.107 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

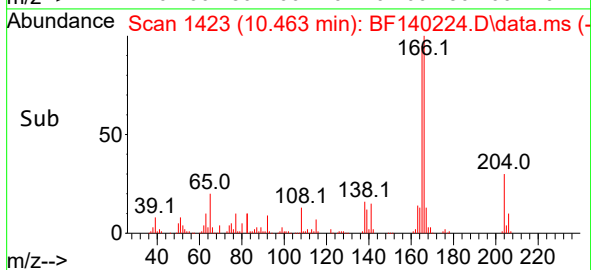
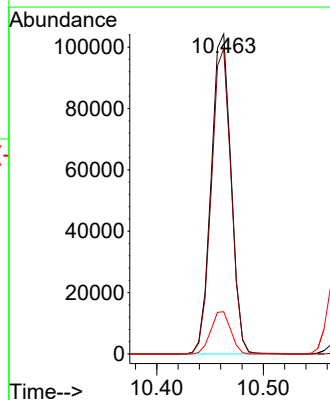
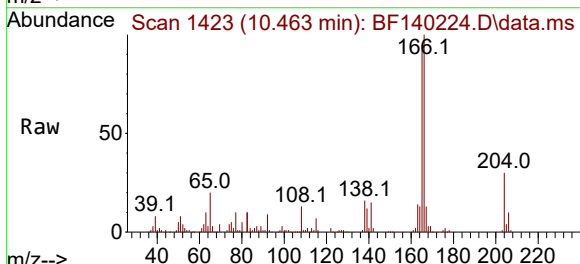
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

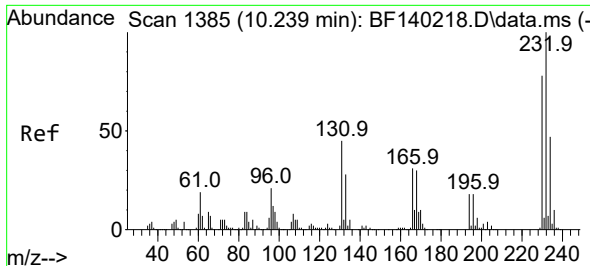
Tgt Ion:165	Resp:	34939
Ion Ratio	Lower	Upper
165	100	
63	45.3	39.7 59.5
89	70.8	61.4 92.0
182	2.6	2.0 3.0



#58
Fluorene
Concen: 4.851 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:166	Resp:	134627
Ion Ratio	Lower	Upper
166	100	
165	95.4	78.6 117.8
167	13.2	10.9 16.3

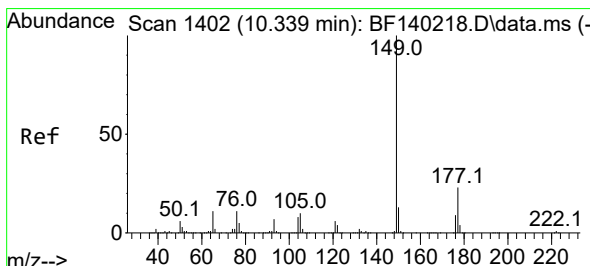
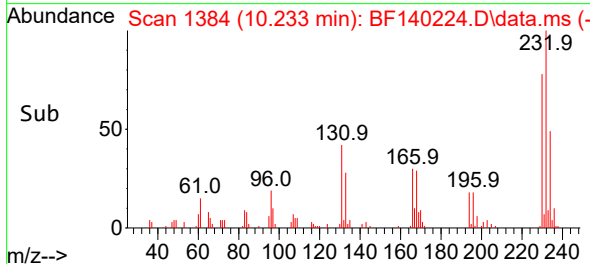
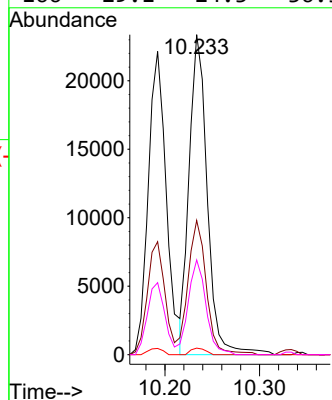
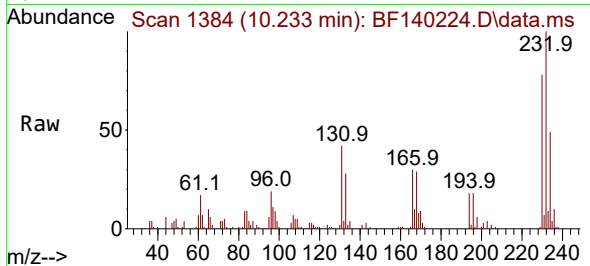




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.279 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

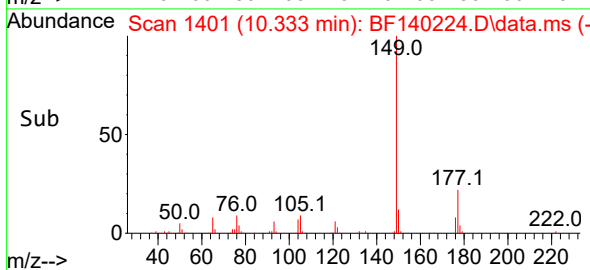
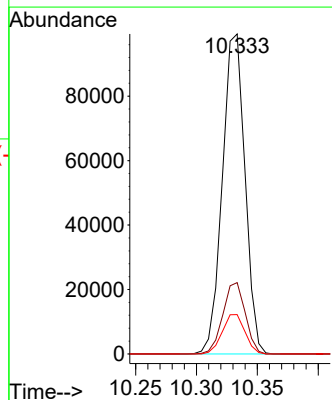
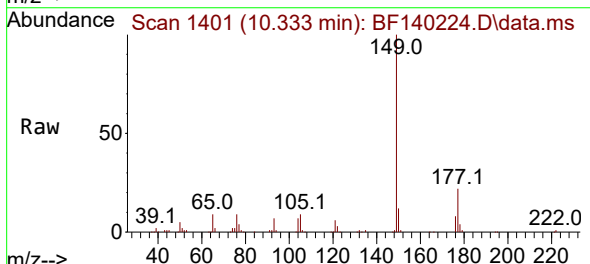
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

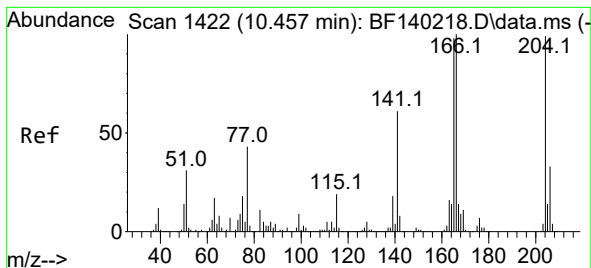
Tgt Ion:232 Resp: 31047
Ion Ratio Lower Upper
232 100
131 42.7 35.4 53.2
130 1.7 1.8 2.8#
166 29.1 24.3 36.5



#60
Diethylphthalate
Concen: 4.626 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:149 Resp: 128508
Ion Ratio Lower Upper
149 100
177 22.3 18.2 27.2
150 12.3 10.2 15.2

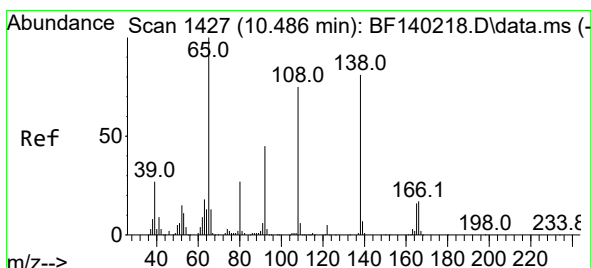
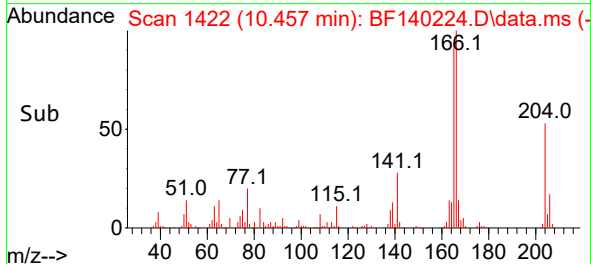
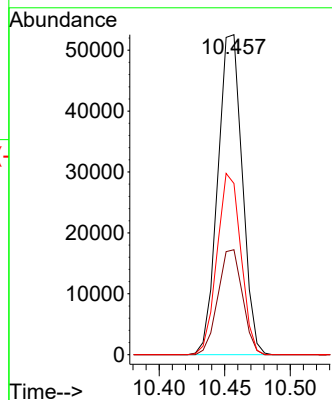
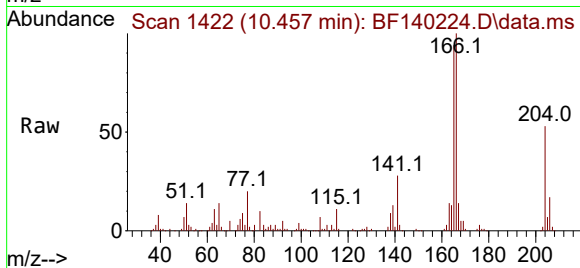




#61
4-Chlorophenyl-phenylether
Concen: 4.772 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

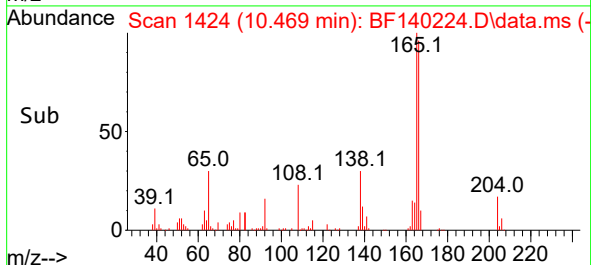
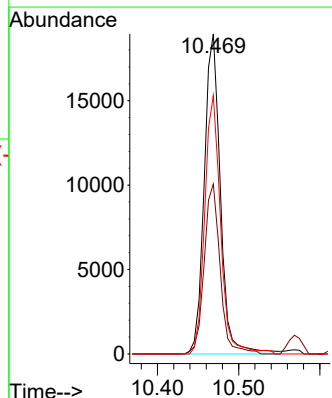
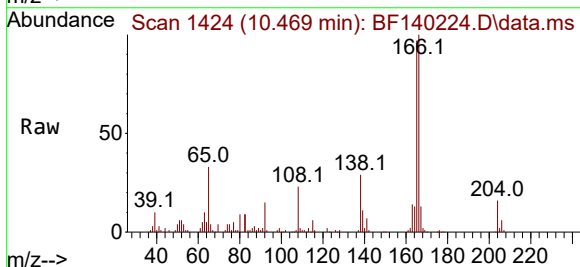
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

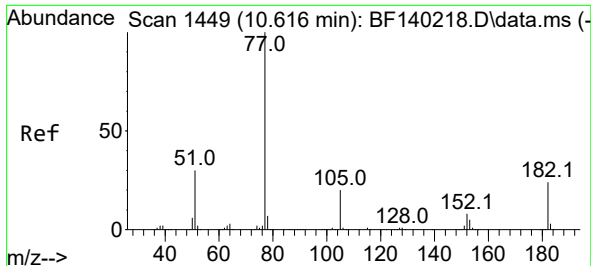
Tgt Ion:204 Resp: 68146
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 53.5 49.3 73.9



#62
4-Nitroaniline
Concen: 4.342 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.018 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:138 Resp: 26175
Ion Ratio Lower Upper
138 100
92 53.1 35.3 75.3
108 80.7 73.1 113.1

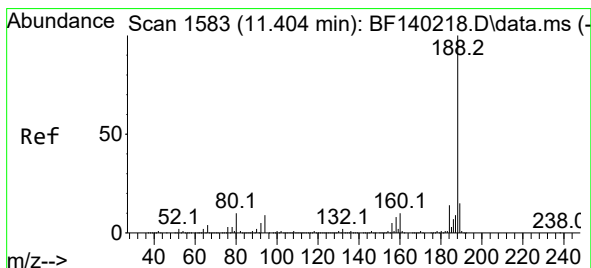
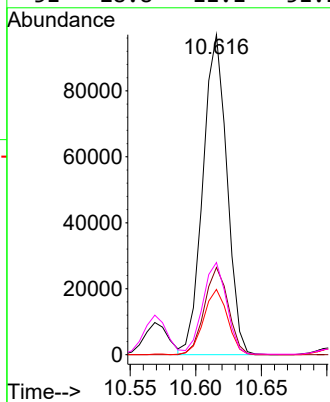
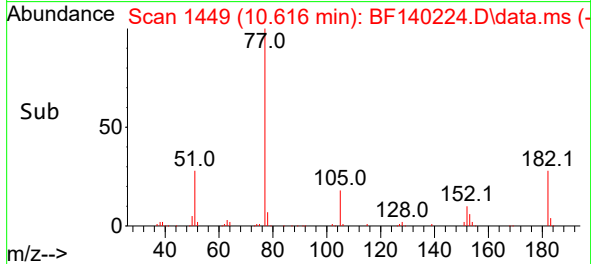
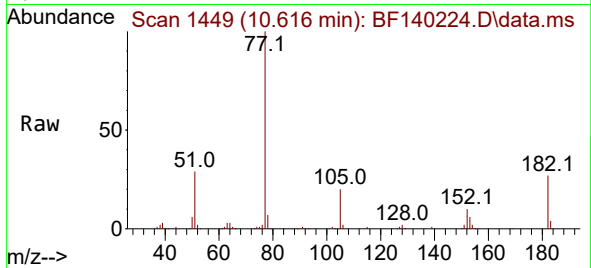




#63
Azobenzene
Concen: 4.381 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

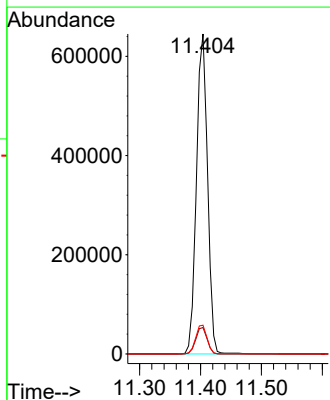
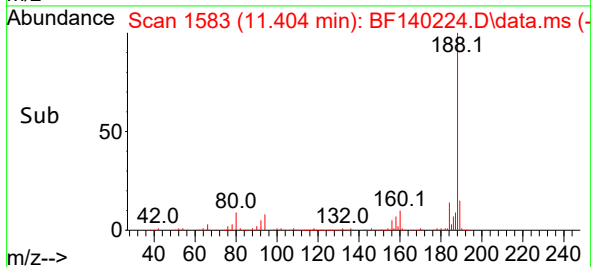
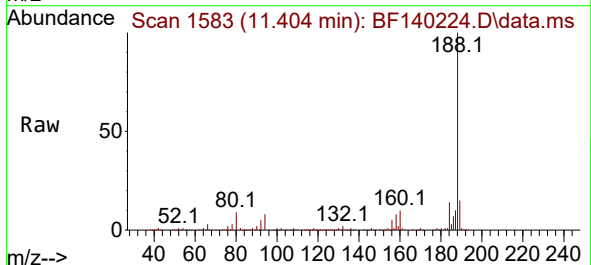
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

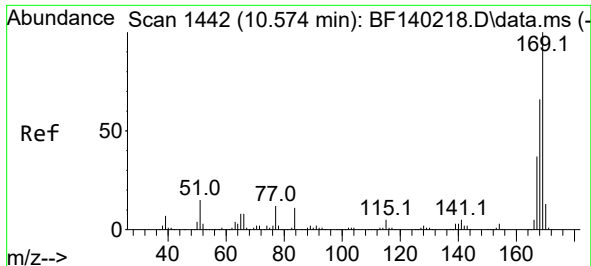
Tgt Ion: 77	Resp: 123416
Ion Ratio	Lower Upper
77 100	
182 27.3	4.0 44.0
105 20.4	0.0 39.5
51 28.8	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:188	Resp: 814385		
Ion Ratio	Lower	Upper	
188 100			
94 8.2	7.0	10.6	
80 9.0	7.9	11.9	

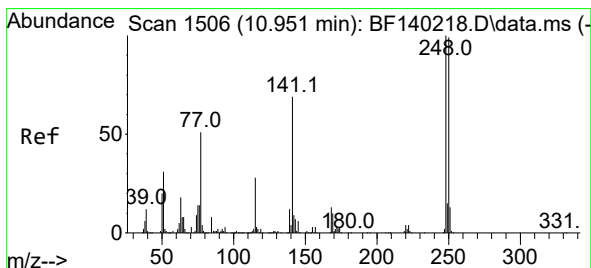
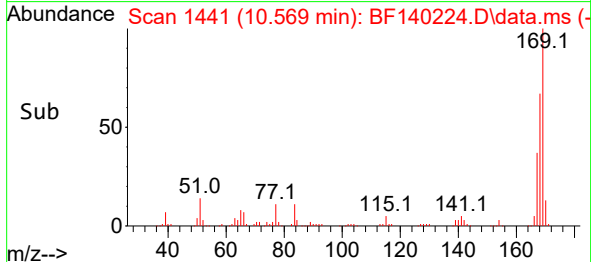
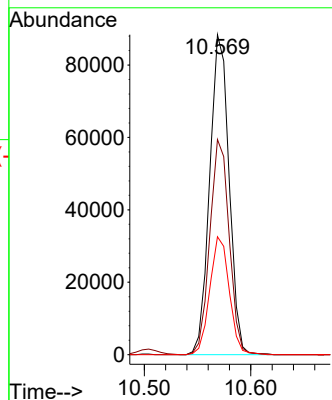
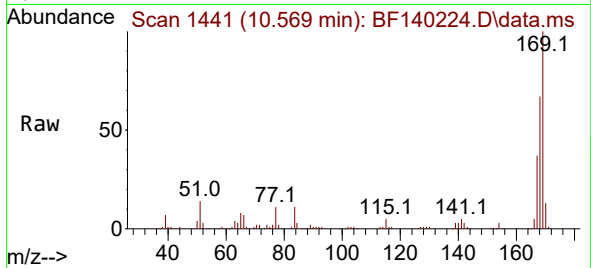




#66
n-Nitrosodiphenylamine
Concen: 4.766 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

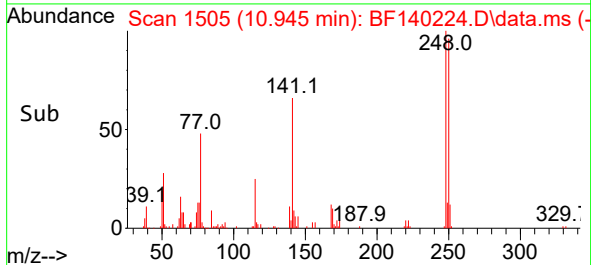
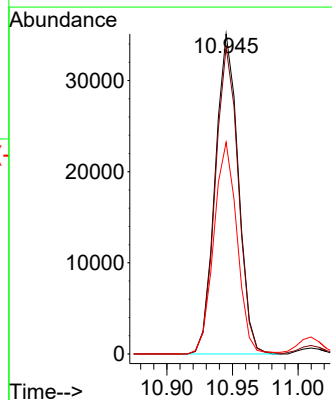
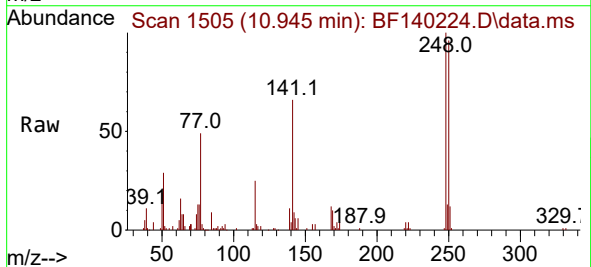
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

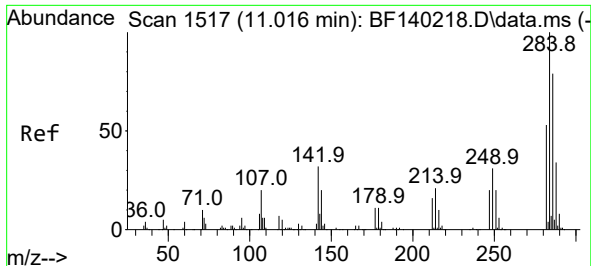
Tgt Ion:169 Resp: 111796
Ion Ratio Lower Upper
169 100
168 67.2 53.0 79.4
167 36.8 29.3 43.9



#67
4-Bromophenyl-phenylether
Concen: 4.676 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:248 Resp: 42886
Ion Ratio Lower Upper
248 100
250 95.9 79.0 118.4
141 66.1 55.0 82.6

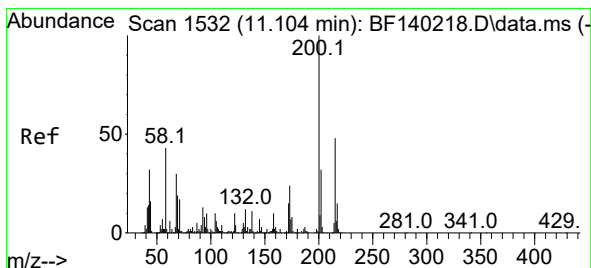
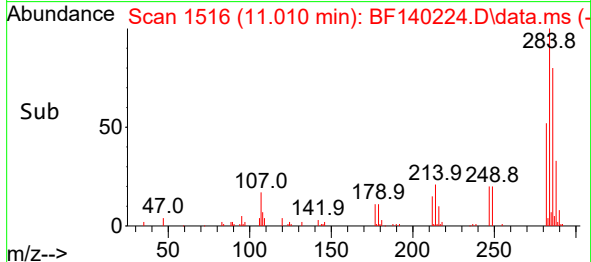
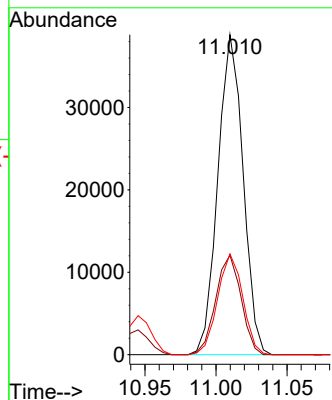
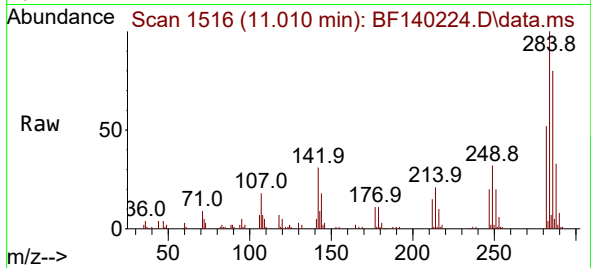




#68
Hexachlorobenzene
Concen: 4.627 ng
RT: 11.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

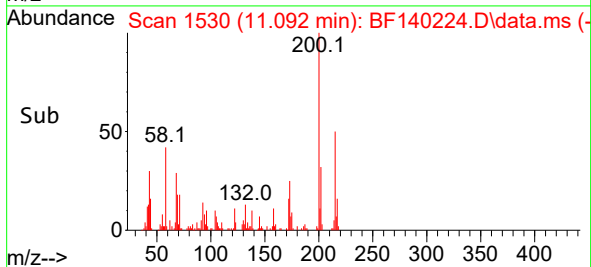
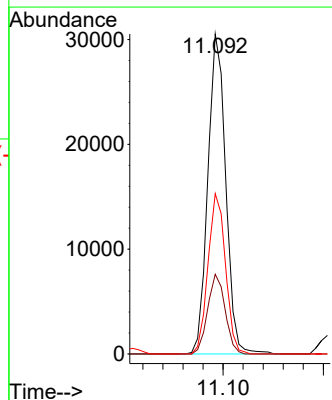
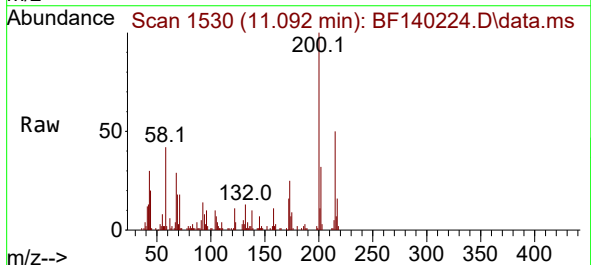
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

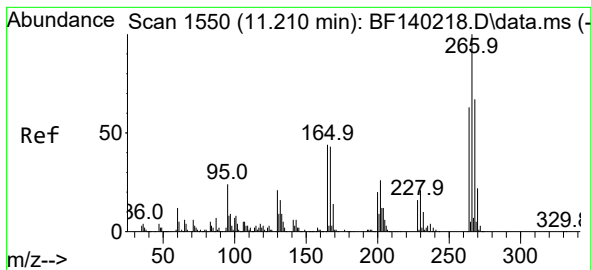
Tgt Ion:284 Resp: 47888
Ion Ratio Lower Upper
284 100
142 31.1 26.2 39.2
249 31.5 25.4 38.0



#69
Atrazine
Concen: 5.770 ng
RT: 11.092 min Scan# 1530
Delta R.T. -0.012 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:200 Resp: 37867
Ion Ratio Lower Upper
200 100
173 24.9 3.9 43.9
215 50.1 27.6 67.6





#70

Pentachlorophenol

Concen: 2.413 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

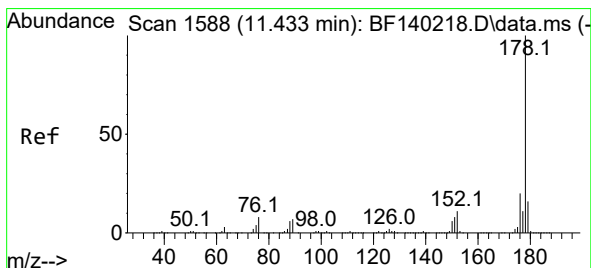
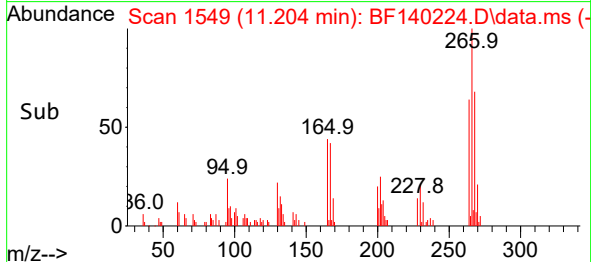
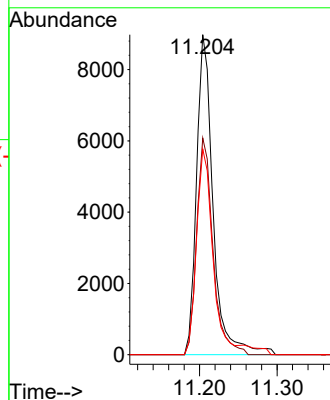
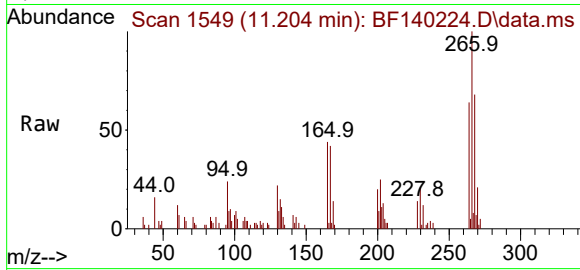
Tgt Ion:266 Resp: 13303

Ion Ratio Lower Upper

266 100

268 67.7 53.9 80.9

264 64.2 50.3 75.5



#71

Phenanthrene

Concen: 4.941 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

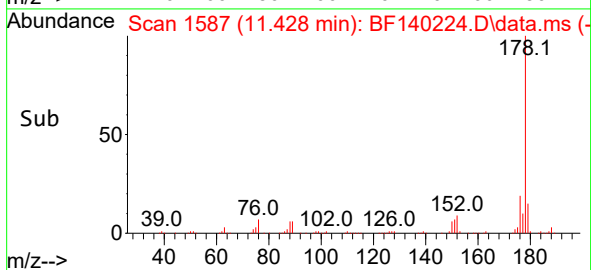
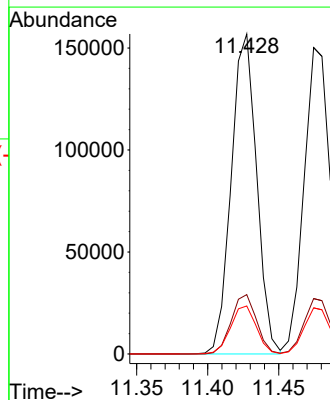
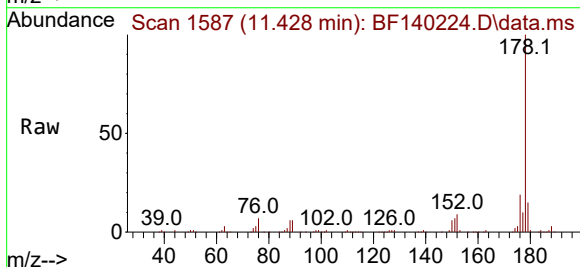
Tgt Ion:178 Resp: 195609

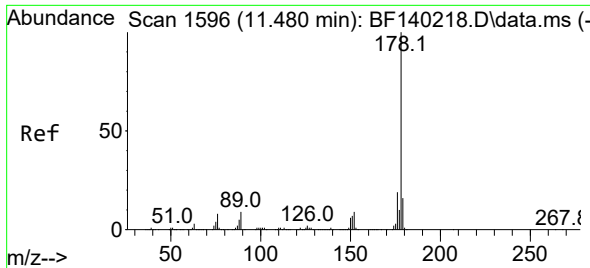
Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

179 15.0 12.6 18.8

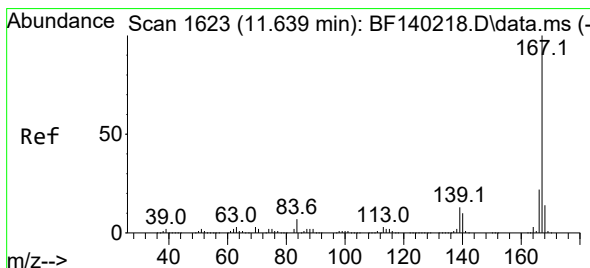
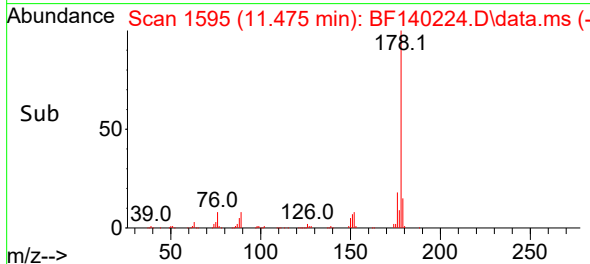
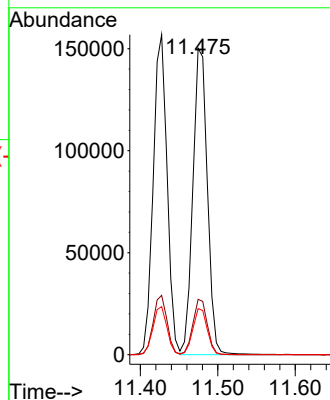
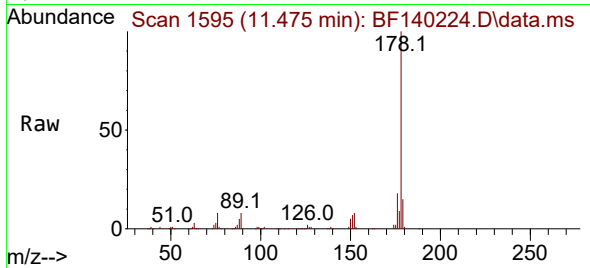




#72
Anthracene
Concen: 5.038 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

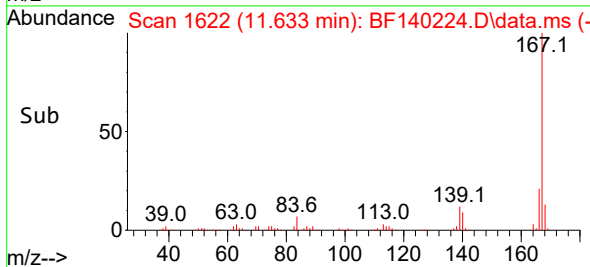
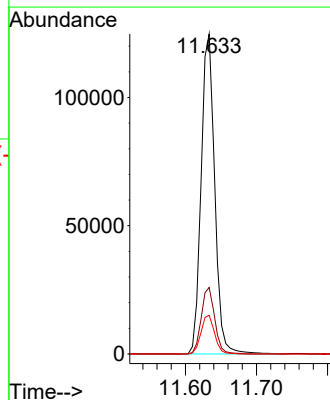
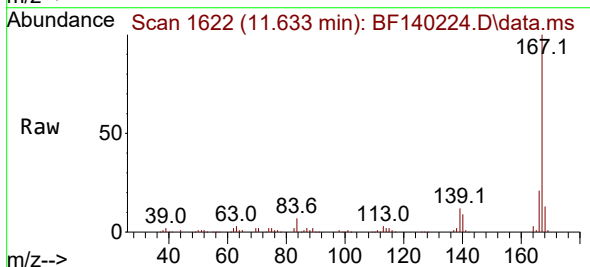
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

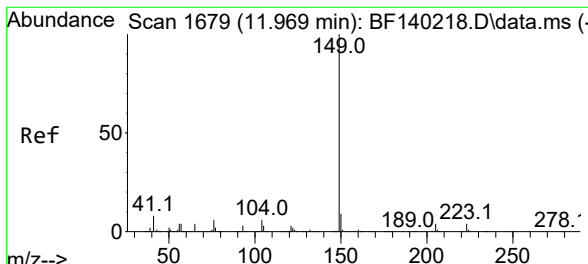
Tgt Ion:178 Resp: 195458
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 15.0 12.6 19.0



#73
Carbazole
Concen: 4.721 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:167 Resp: 166125
Ion Ratio Lower Upper
167 100
166 20.8 17.3 25.9
139 12.1 10.4 15.6

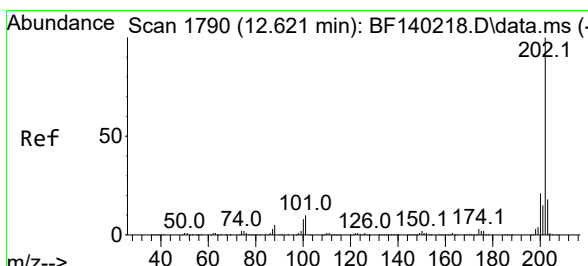
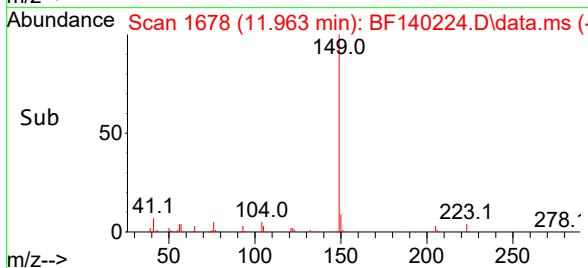
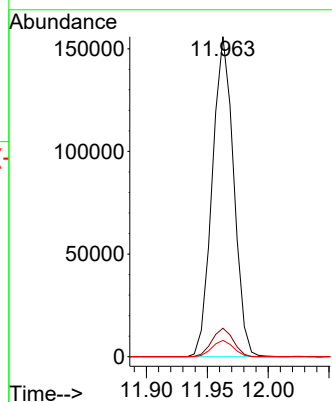
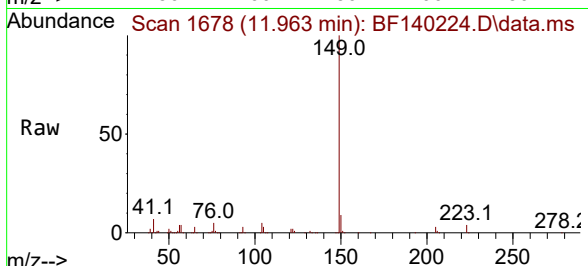




#74
 Di-n-butylphthalate
 Concen: 4.622 ng
 RT: 11.963 min Scan# 1678
 Delta R.T. -0.006 min
 Lab File: BF140224.D
 Acq: 04 Nov 2024 17:49

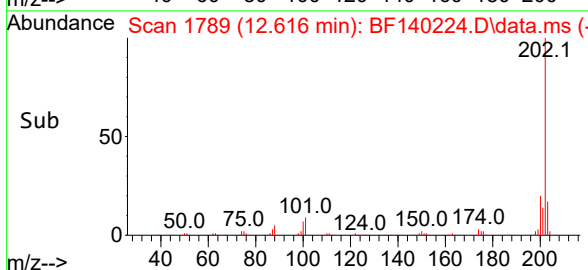
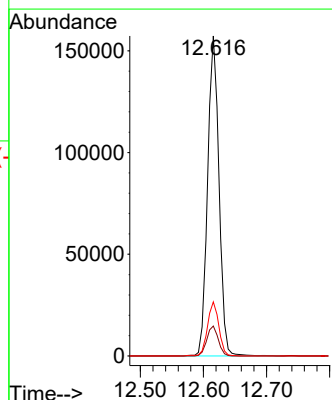
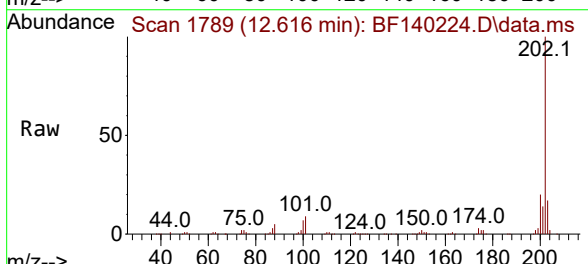
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT4-2024

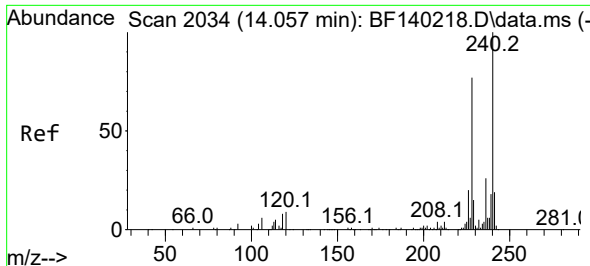
Tgt Ion:	149	Resp:	190725
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.5	11.3
104	5.1	4.6	6.8



#75
 Fluoranthene
 Concen: 4.655 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF140224.D
 Acq: 04 Nov 2024 17:49

Tgt Ion:	202	Resp:	197406
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	29.6
203	16.9	0.0	38.0

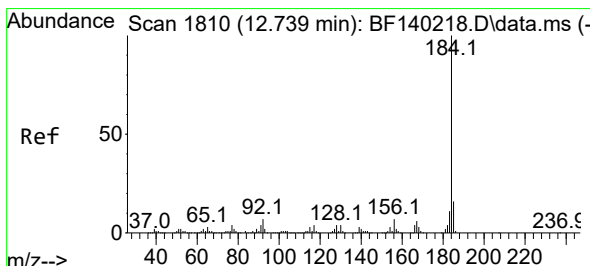
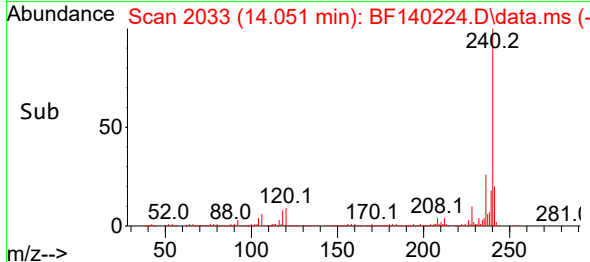
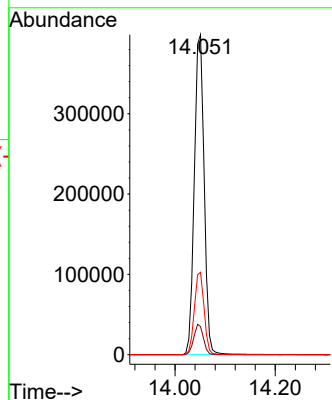
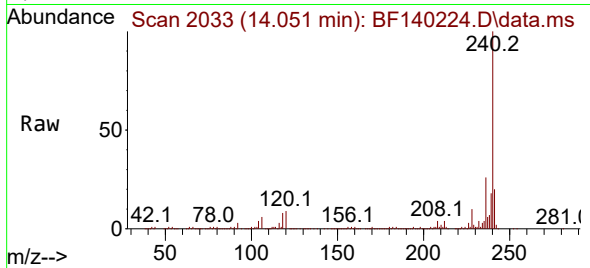




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

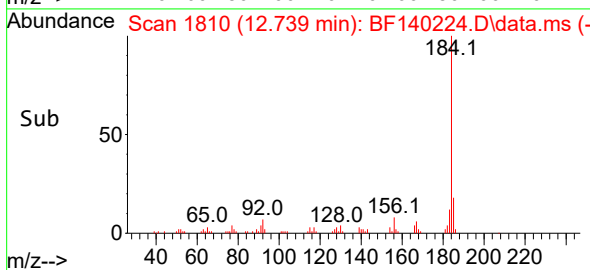
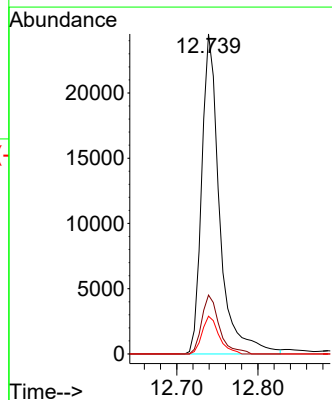
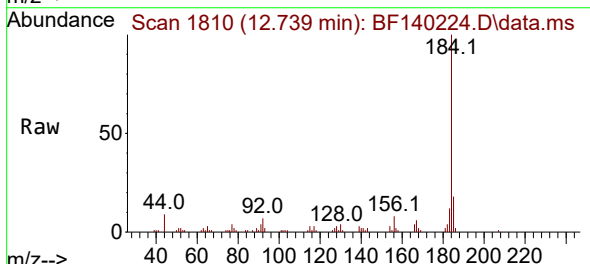
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

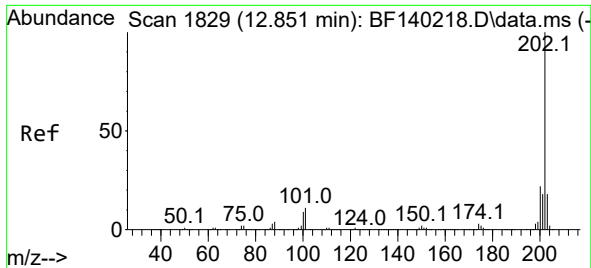
Tgt Ion:240 Resp: 541954
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.4
236 25.7 20.6 30.8



#77
Benzidine
Concen: 4.001 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:184 Resp: 37613
Ion Ratio Lower Upper
184 100
185 18.4 12.4 18.6
183 11.8 9.0 13.6

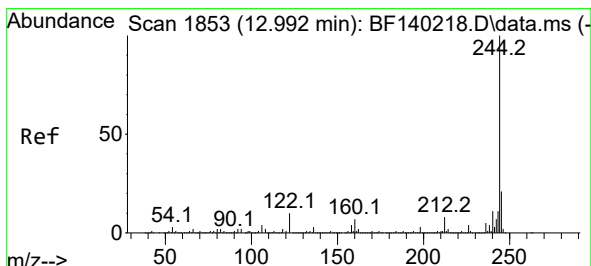
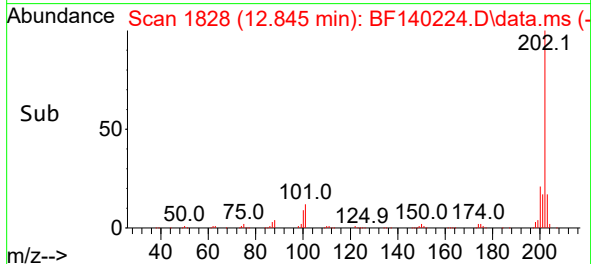
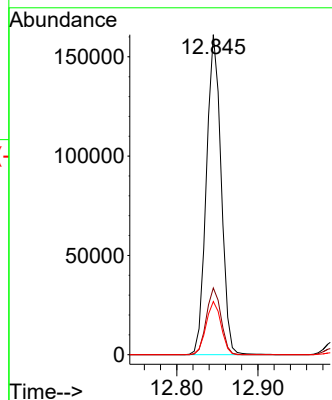
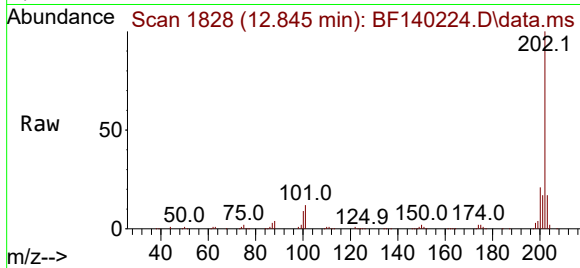




#78
Pyrene
Concen: 4.545 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

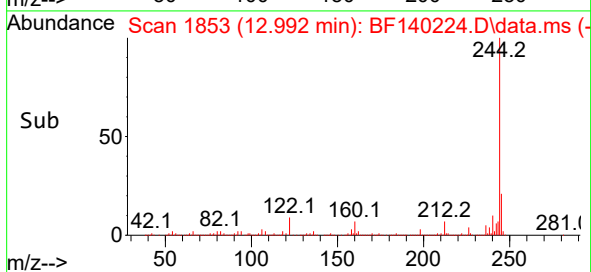
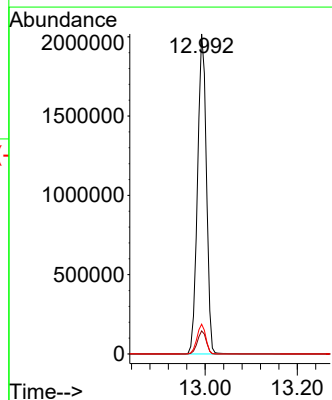
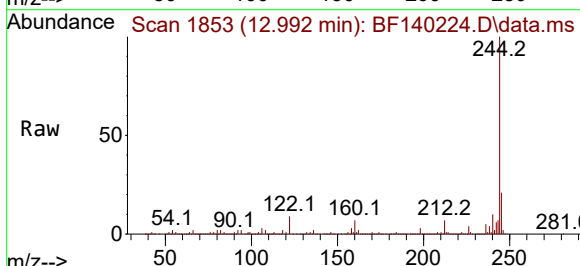
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

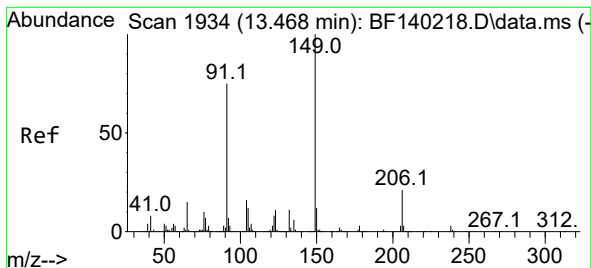
Tgt Ion:202 Resp: 202282
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.0
203 16.6 14.5 21.7



#79
Terphenyl-d14
Concen: 78.993 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.000 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:244 Resp: 2683245
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 9.3 7.7 11.5





#80

Butylbenzylphthalate

Concen: 4.116 ng

RT: 13.463 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

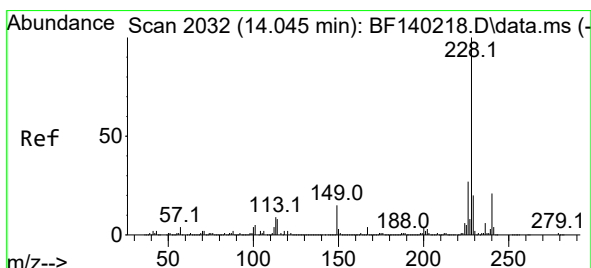
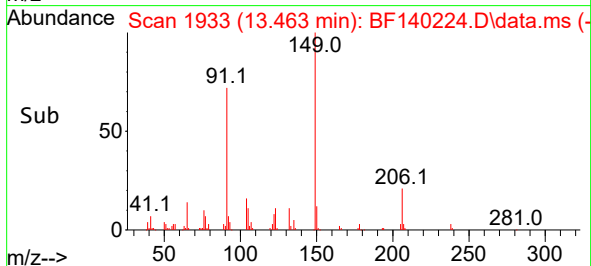
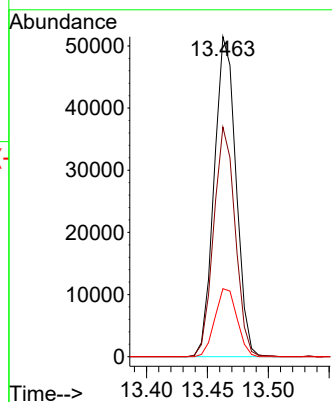
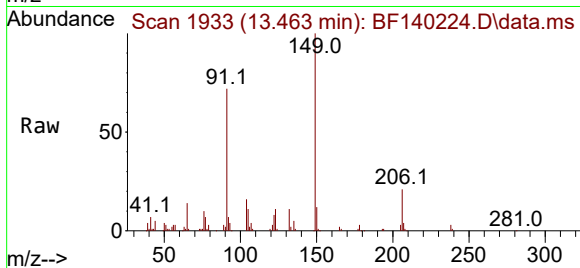
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:149	Resp:	64250
Ion Ratio	Lower	Upper
149	100	
91	71.7	59.9 89.9
206	21.2	16.7 25.1



#81

Benzo(a)anthracene

Concen: 4.706 ng

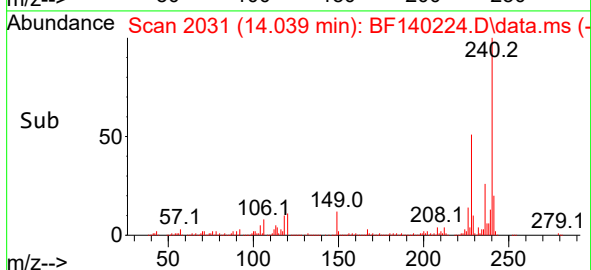
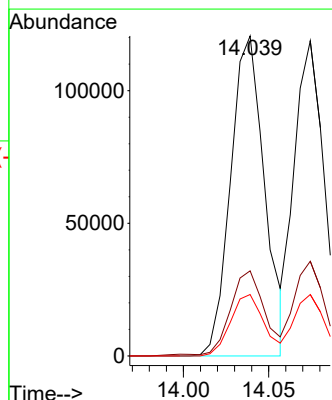
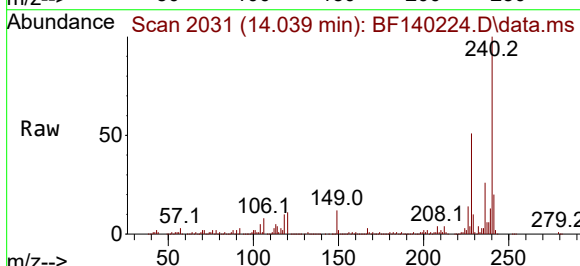
RT: 14.039 min Scan# 2031

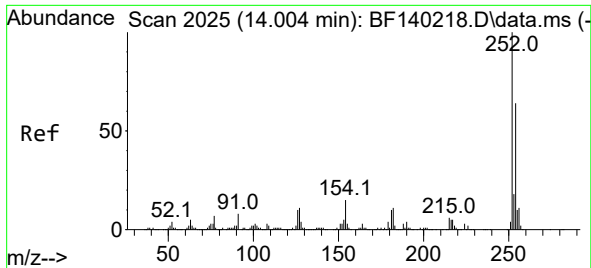
Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Tgt Ion:228	Resp:	167282
Ion Ratio	Lower	Upper
228	100	
226	26.6	22.0 33.0
229	19.2	15.9 23.9

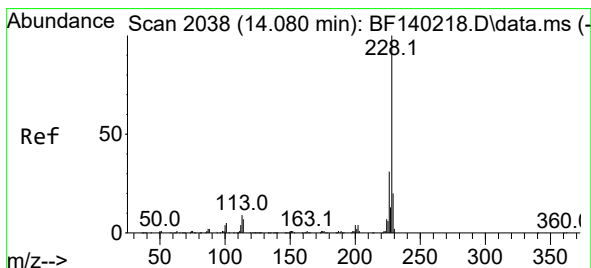
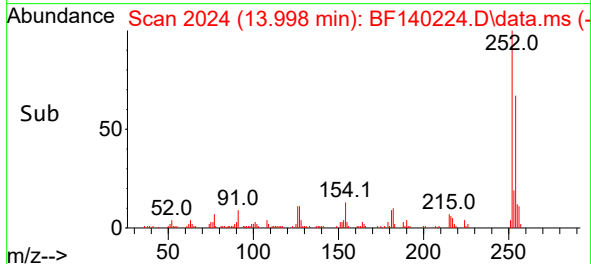
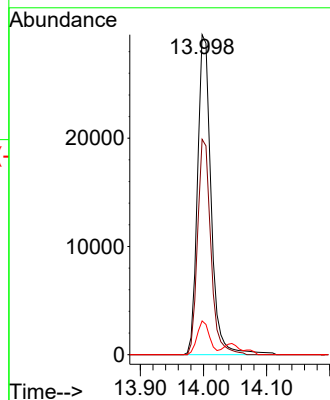
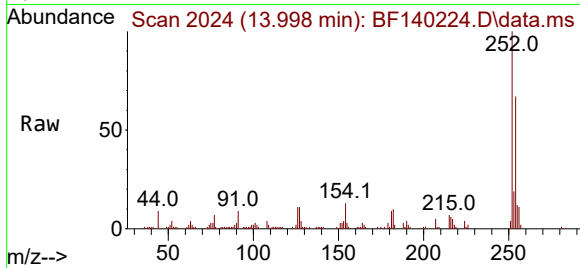




#82
3,3'-Dichlorobenzidine
Concen: 4.111 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

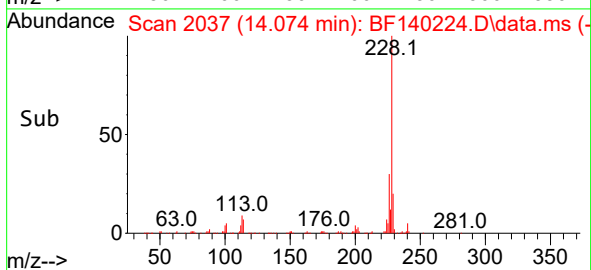
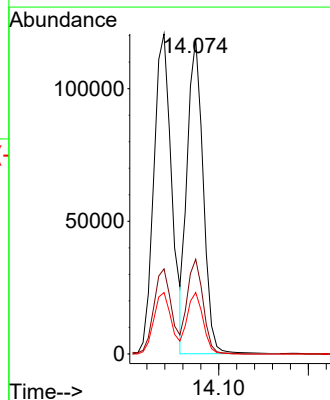
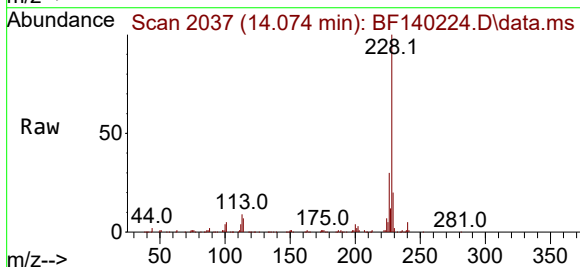
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

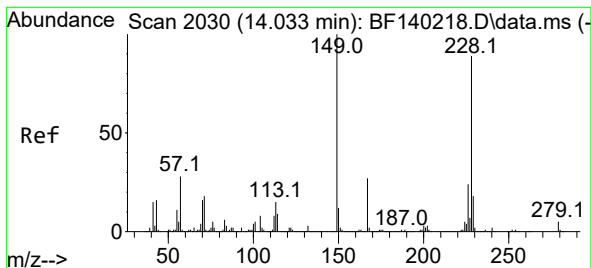
Tgt Ion:252 Resp: 44087
Ion Ratio Lower Upper
252 100
254 67.3 51.6 77.4
126 10.6 8.3 12.5



#83
Chrysene
Concen: 4.470 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:228 Resp: 146160
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 19.5 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.282 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

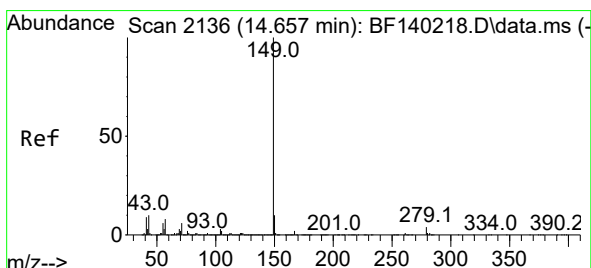
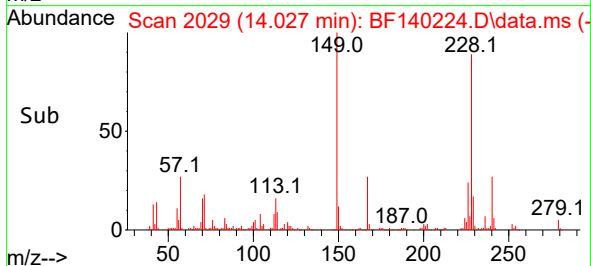
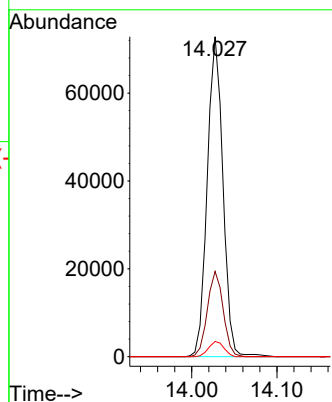
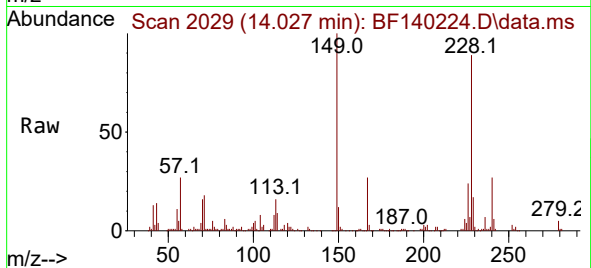
Tgt Ion:149 Resp: 92955

Ion Ratio Lower Upper

149 100

167 26.7 21.8 32.8

279 4.7 3.8 5.8



#85

Di-n-octyl phthalate

Concen: 3.978 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

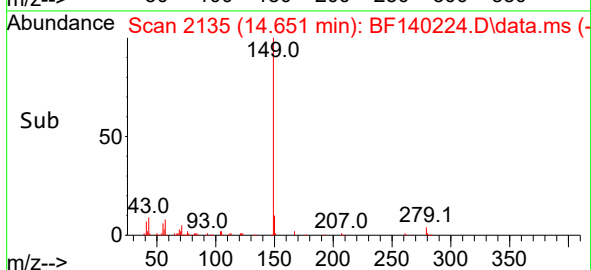
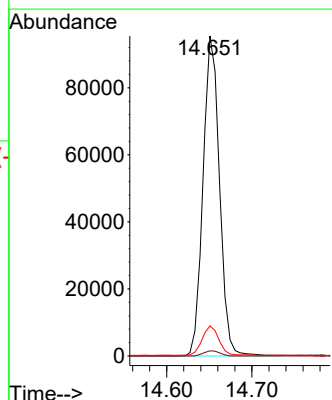
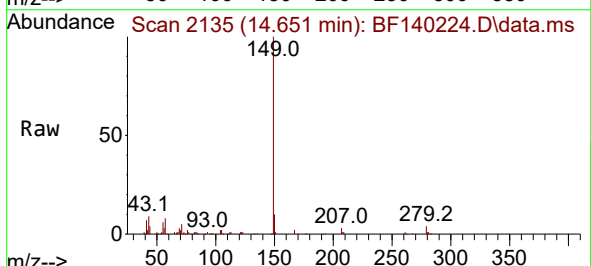
Tgt Ion:149 Resp: 128074

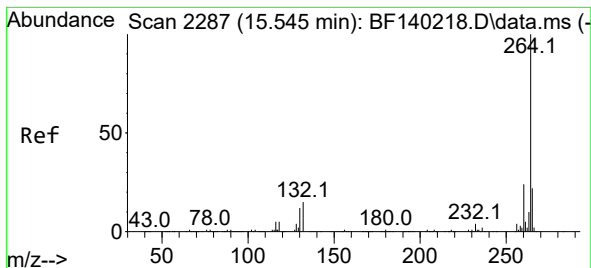
Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.3 8.7 13.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

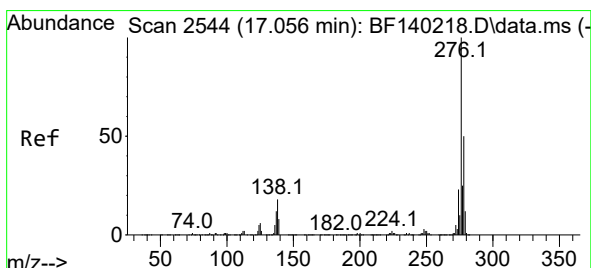
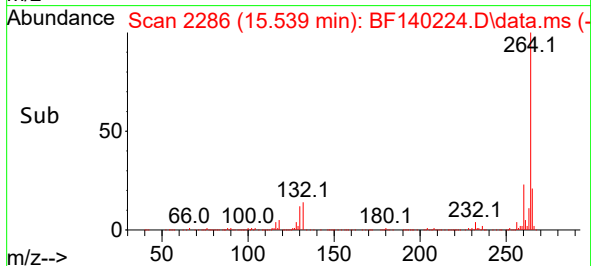
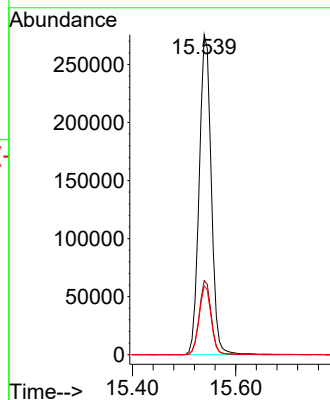
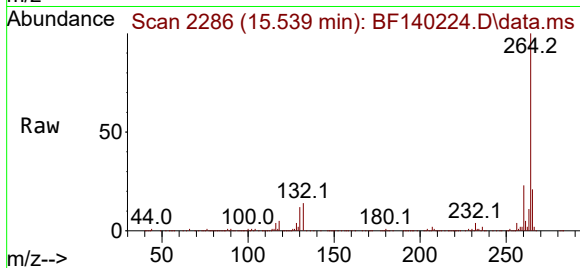
Tgt Ion:264 Resp: 446978

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 21.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.007 ng

RT: 17.039 min Scan# 2541

Delta R.T. -0.018 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

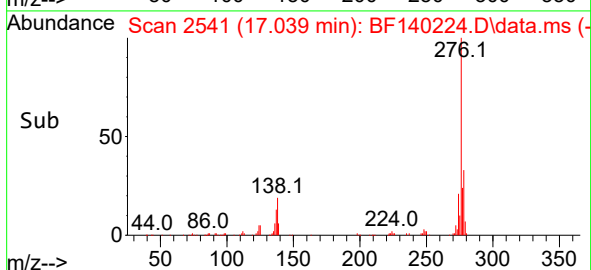
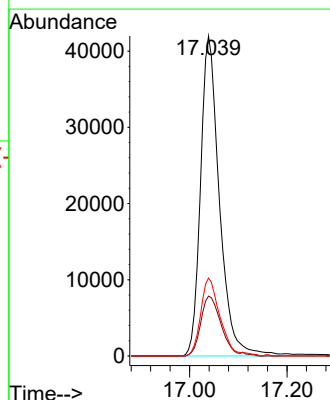
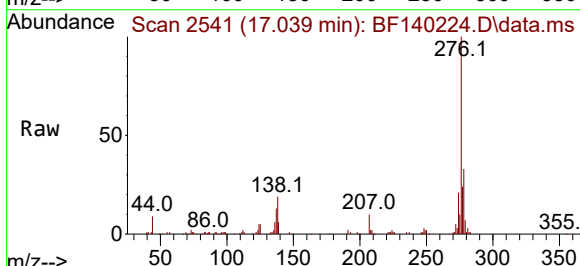
Tgt Ion:276 Resp: 112741

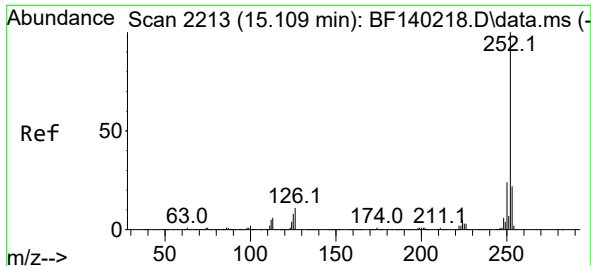
Ion Ratio Lower Upper

276 100

138 20.2 15.7 23.5

277 25.0 20.2 30.4

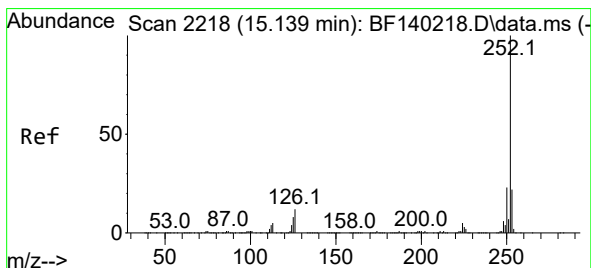
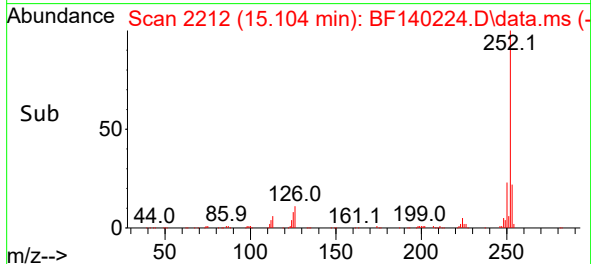
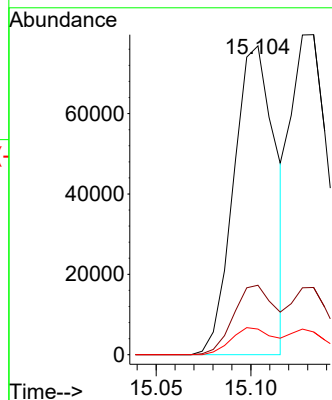
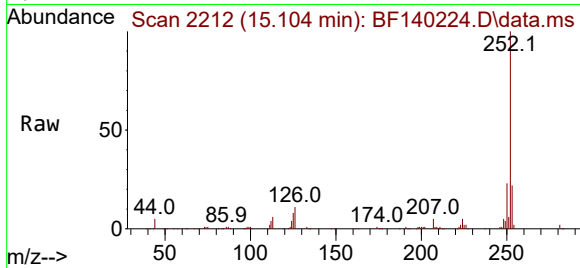




#88
Benzo(b)fluoranthene
Concen: 4.177 ng
RT: 15.104 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

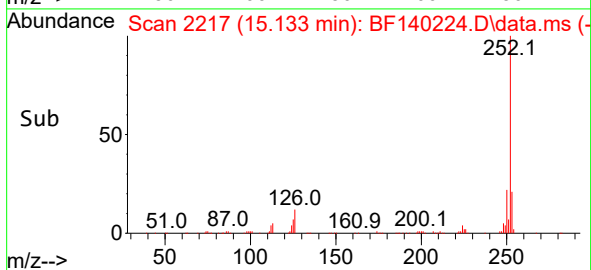
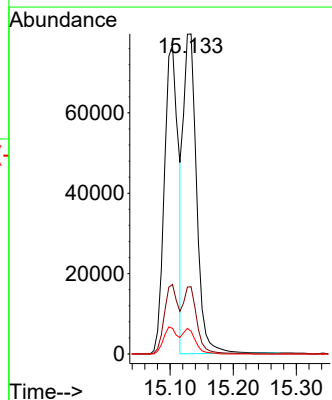
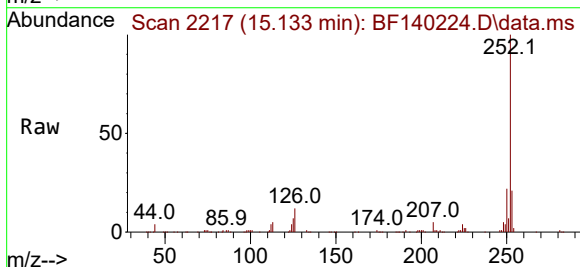
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2024

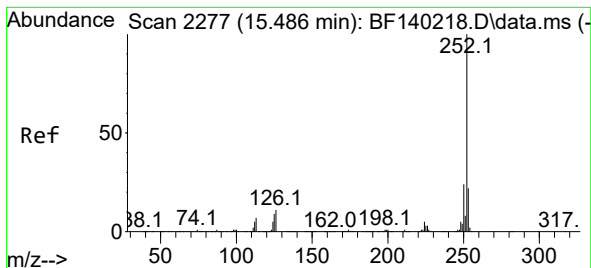
Tgt Ion:252 Resp: 117759
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.3 6.6 10.0



#89
Benzo(k)fluoranthene
Concen: 4.616 ng
RT: 15.133 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF140224.D
Acq: 04 Nov 2024 17:49

Tgt Ion:252 Resp: 115971
Ion Ratio Lower Upper
252 100
253 21.0 17.7 26.5
125 7.1 6.7 10.1





#90

Benzo(a)pyrene

Concen: 4.474 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2024

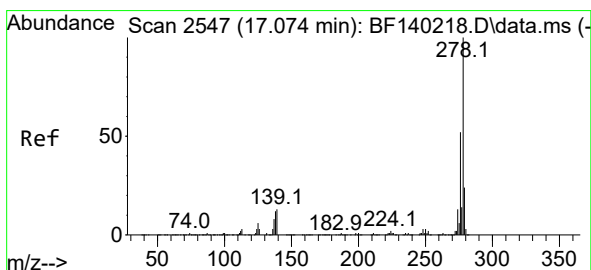
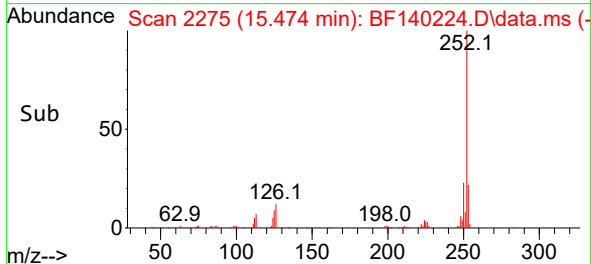
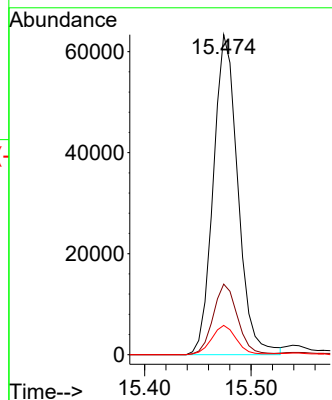
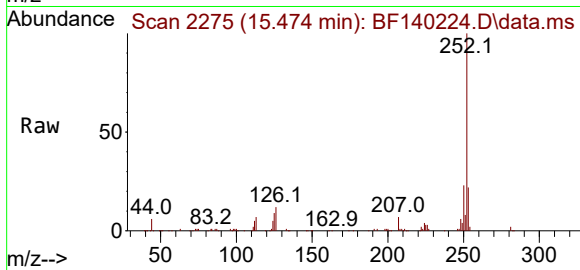
Tgt Ion:252 Resp: 101661

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.1 7.0 10.6



#91

Dibenzo(a,h)anthracene

Concen: 4.036 ng

RT: 17.057 min Scan# 2544

Delta R.T. -0.018 min

Lab File: BF140224.D

Acq: 04 Nov 2024 17:49

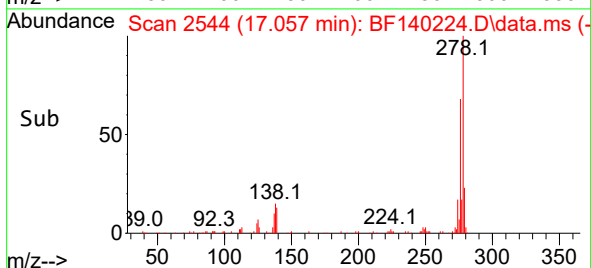
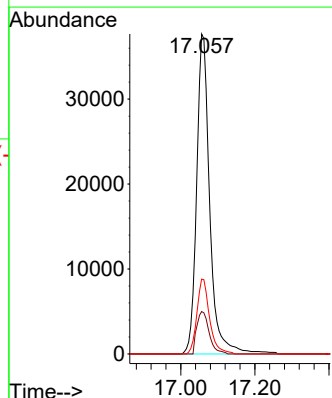
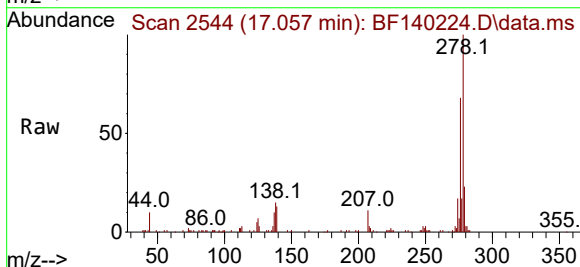
Tgt Ion:278 Resp: 92470

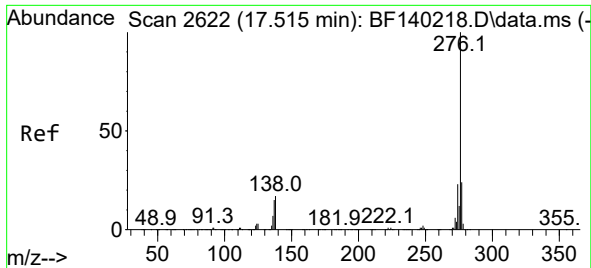
Ion Ratio Lower Upper

278 100

139 13.3 10.2 15.2

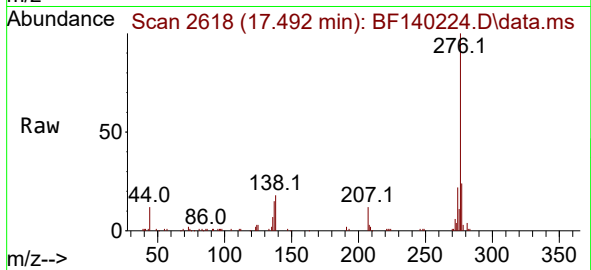
279 23.4 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.729 ng
 RT: 17.492 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF140224.D
 Acq: 04 Nov 2024 17:49

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2024



Tgt Ion:	276	Resp:	87249
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.1	28.7
138	17.7	13.5	20.3

