

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141138.D
 Acq On : 14 Jan 2025 11:53
 Operator : RC/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 14 12:17:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	142836	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	550517	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	295918	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	522828	20.000	ng	0.00
76) Chrysene-d12	13.980	240	333266	20.000	ng	0.00
86) Perylene-d12	15.439	264	297044	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	998353	107.974	ng	0.00
7) Phenol-d6	6.440	99	1254028	107.069	ng	0.00
23) Nitrobenzene-d5	7.381	82	844439	81.310	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	397867	117.999	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1552981	80.139	ng	0.00
79) Terphenyl-d14	12.933	244	1719156	76.671	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.528	88	16160	3.925	ng	98
3) Pyridine	3.316	79	35829	3.548	ng	95
4) n-Nitrosodimethylamine	3.199	42	17563	3.557	ng	# 99
6) Aniline	6.481	93	51343	4.937	ng	98
8) 2-Chlorophenol	6.604	128	40188	4.051	ng	96
9) Benzaldehyde	6.369	77	32772	4.751	ng	96
10) Phenol	6.451	94	50367	4.017	ng	# 31
11) bis(2-Chloroethyl)ether	6.551	93	37788	4.044	ng	98
12) 1,3-Dichlorobenzene	6.757	146	43693	3.949	ng	100
13) 1,4-Dichlorobenzene	6.840	146	46550	4.175	ng	97
14) 1,2-Dichlorobenzene	6.992	146	42944	4.129	ng	98
15) Benzyl Alcohol	6.957	79	42483	5.023	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.092	45	52562	4.031	ng	95
17) 2-Methylphenol	7.063	107	31472	3.930	ng	97
18) Hexachloroethane	7.334	117	15405	3.821	ng	92
19) n-Nitroso-di-n-propyla...	7.222	70	27814	4.031	ng	99
20) 3+4-Methylphenols	7.216	107	39170	3.877	ng	# 78
22) Acetophenone	7.222	105	58638	4.481	ng	98
24) Nitrobenzene	7.398	77	44642	4.124	ng	99
25) Isophorone	7.634	82	75207	4.237	ng	100
26) 2-Nitrophenol	7.716	139	18022	3.660	ng	99
27) 2,4-Dimethylphenol	7.745	122	16764	2.524	ng	91
28) bis(2-Chloroethoxy)met...	7.845	93	45577	4.092	ng	97
29) 2,4-Dichlorophenol	7.951	162	32651	4.140	ng	94
30) 1,2,4-Trichlorobenzene	8.039	180	37153	4.121	ng	100
31) Naphthalene	8.122	128	122369	4.215	ng	99
32) Benzoic acid	7.792	122	16727	2.626	ng	97
33) 4-Chloroaniline	8.169	127	45686	4.550	ng	99
34) Hexachlorobutadiene	8.239	225	20788	3.827	ng	98
35) Caprolactam	8.492	113	9795	3.793	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	42082	4.878	ng	98
37) 2-Methylnaphthalene	8.810	142	78190	4.226	ng	98
38) 1-Methylnaphthalene	8.910	142	73527	4.033	ng	99
40) 1,2,4,5-Tetrachloroben...	8.975	216	37316	4.394	ng	99
41) Hexachlorocyclopentadiene	8.969	237	8716	3.137	ng	99
43) 2,4,6-Trichlorophenol	9.086	196	21304	3.719	ng	99

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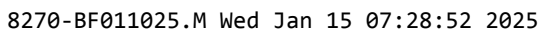
Instrument :
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 ClientSampleId :
 MDL-SOIL-03-QT1-2024

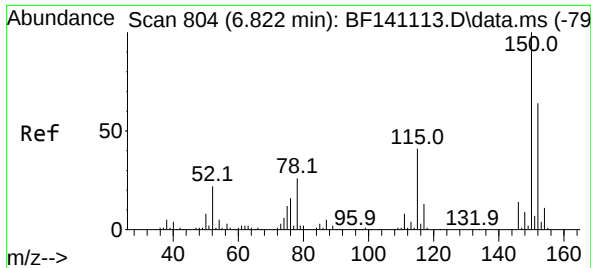
Quant Time: Jan 14 12:17:05 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	24555	4.059	ng	97
46) 1,1'-Biphenyl	9.275	154	105325	4.583	ng	99
47) 2-Chloronaphthalene	9.298	162	73693	4.117	ng	99
48) 2-Nitroaniline	9.392	65	20125	3.793	ng	96
49) Acenaphthylene	9.716	152	115771	4.527	ng	99
50) Dimethylphthalate	9.569	163	86205	4.339	ng	99
51) 2,6-Dinitrotoluene	9.633	165	17851	3.864	ng	99
52) Acenaphthene	9.886	154	78371	4.386	ng	99
53) 3-Nitroaniline	9.798	138	18395	3.918	ng	99
54) 2,4-Dinitrophenol	9.904	184	3959	1.803	ng #	1
55) Dibenzofuran	10.057	168	104871	4.315	ng	100
56) 4-Nitrophenol	9.951	139	18833	5.122	ng	98
57) 2,4-Dinitrotoluene	10.033	165	25796	4.333	ng	99
58) Fluorene	10.404	166	83071	4.400	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.175	232	21458	4.267	ng	99
60) Diethylphthalate	10.275	149	85456	4.406	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	40303	4.380	ng	98
62) 4-Nitroaniline	10.404	138	16747	3.645	ng	96
63) Azobenzene	10.557	77	80400	4.201	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	8023	2.648	ng	97
66) n-Nitrosodiphenylamine	10.510	169	71161	4.220	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	25102	4.170	ng	99
68) Hexachlorobenzene	10.951	284	27965	4.173	ng	97
69) Atrazine	11.033	200	22308	4.913	ng	99
70) Pentachlorophenol	11.139	266	19931	4.645	ng	95
71) Phenanthrene	11.363	178	128962	4.594	ng	99
72) Anthracene	11.416	178	122854	4.501	ng	98
73) Carbazole	11.569	167	108862	4.350	ng	99
74) Di-n-butylphthalate	11.904	149	128595	4.490	ng	99
75) Fluoranthene	12.551	202	128431	4.585	ng	97
77) Benzidine	12.680	184	20524	3.321	ng	96
78) Pyrene	12.780	202	159198	5.001	ng	99
80) Butylbenzylphthalate	13.404	149	41066	3.870	ng	100
81) Benzo(a)anthracene	13.969	228	93796	4.136	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	24518	3.395	ng	99
83) Chrysene	14.004	228	89845	4.234	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	52872	4.152	ng	99
85) Di-n-octyl phthalate	14.586	149	65178	3.390	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	85853	3.945	ng	98
88) Benzo(b)fluoranthene	15.015	252	70956	3.704	ng	99
89) Benzo(k)fluoranthene	15.045	252	75945	4.692	ng	98
90) Benzo(a)pyrene	15.374	252	65416	4.139	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	66385	3.772	ng	99
92) Benzo(g,h,i)perylene	17.321	276	67562	3.690	ng	98

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

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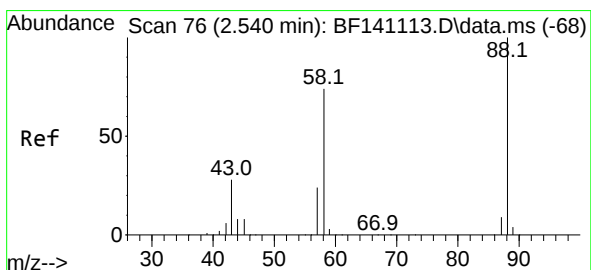
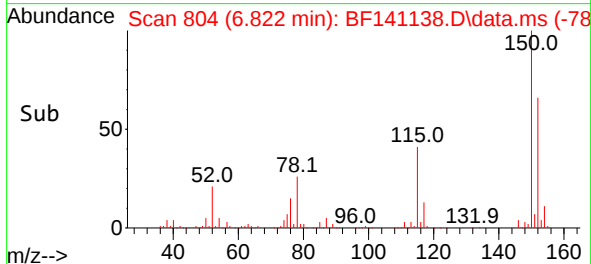
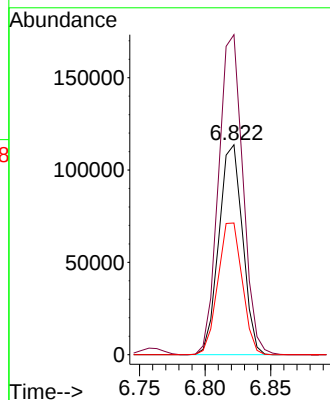
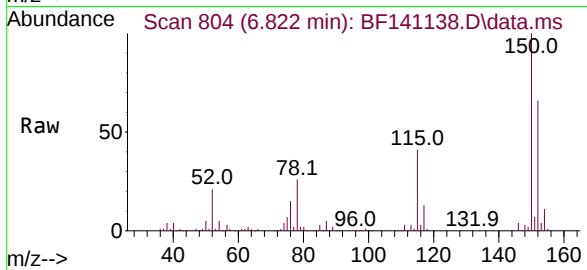




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141138.D
 Acq: 14 Jan 2025 11:53

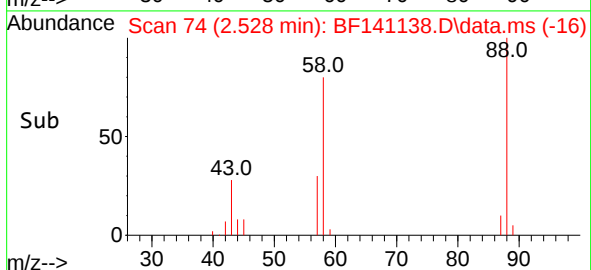
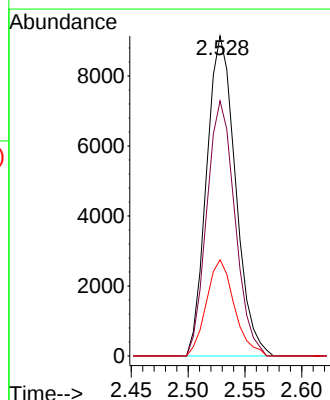
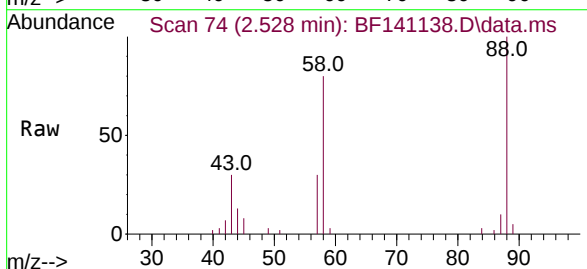
Instrument :
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 MDL-SOIL-03-QT1-2024

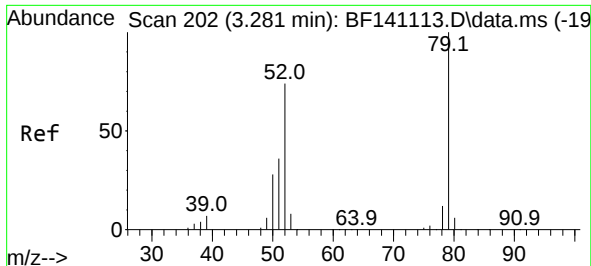
Tgt Ion:152 Resp: 142836
 Ion Ratio Lower Upper
 152 100
 150 152.5 125.8 188.8
 115 62.7 51.4 77.2



#2
 1,4-Dioxane
 Concen: 3.925 ng
 RT: 2.528 min Scan# 74
 Delta R.T. -0.012 min
 Lab File: BF141138.D
 Acq: 14 Jan 2025 11:53

Tgt Ion: 88 Resp: 16160
 Ion Ratio Lower Upper
 88 100
 58 77.6 60.1 90.1
 43 29.1 23.1 34.7

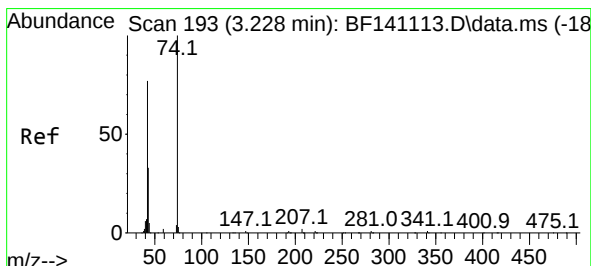
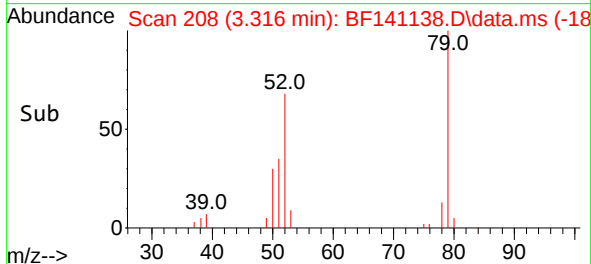
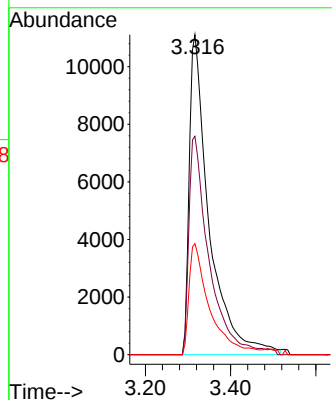
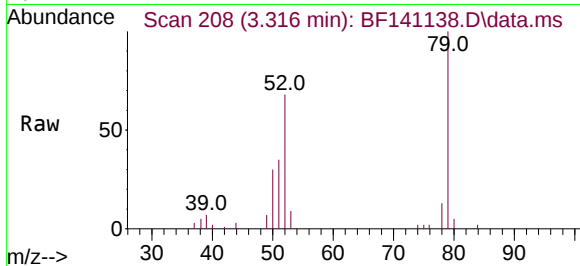




#3
Pyridine
Concen: 3.548 ng
RT: 3.316 min Scan# 202
Delta R.T. 0.035 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

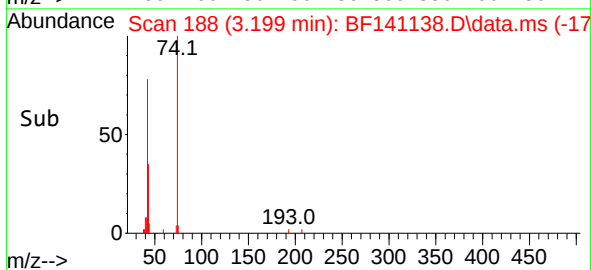
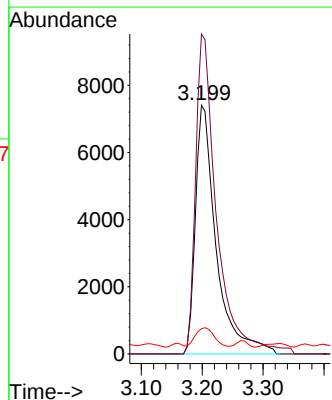
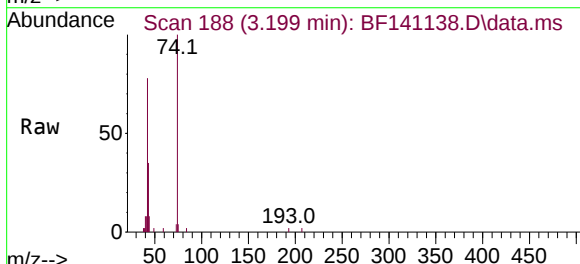
Instrument :
BNA_F
ClientSampleId :
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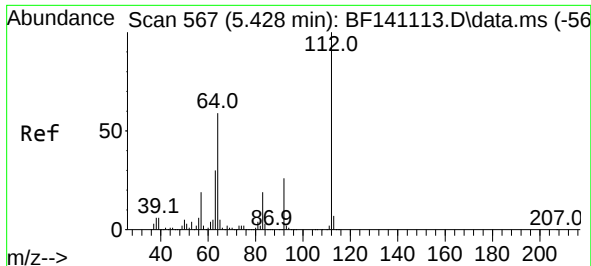
Tgt Ion: 79 Resp: 35829
Ion Ratio Lower Upper
79 100
52 68.3 58.9 88.3
51 34.7 29.1 43.7



#4
n-Nitrosodimethylamine
Concen: 3.557 ng
RT: 3.199 min Scan# 188
Delta R.T. -0.029 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion: 42 Resp: 17563
Ion Ratio Lower Upper
42 100
74 128.6 103.8 155.6
44 10.1 5.3 7.9#

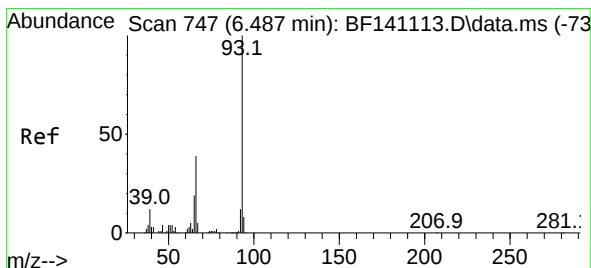
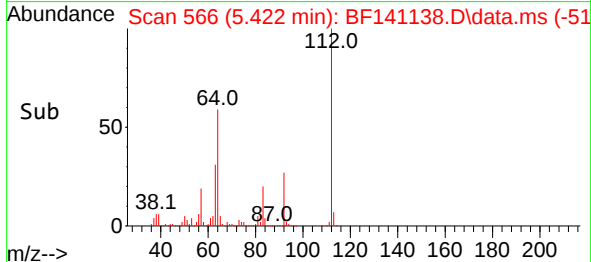
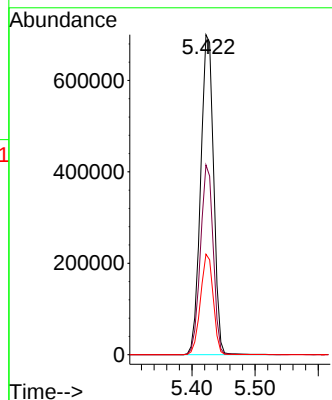
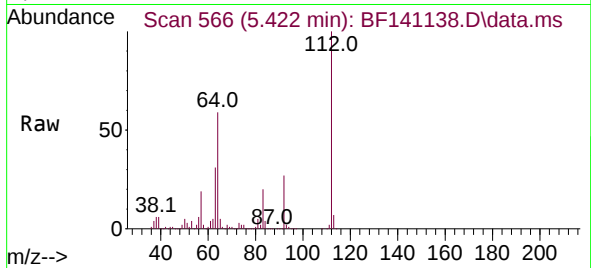




#5
2-Fluorophenol
Concen: 107.974 ng
RT: 5.422 min Scan# 509
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

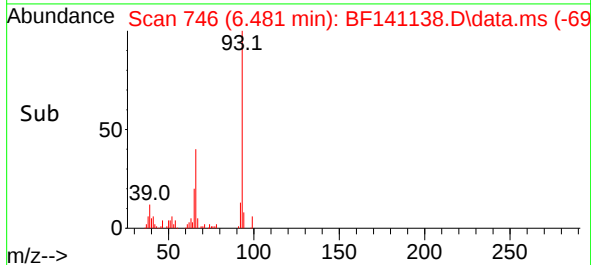
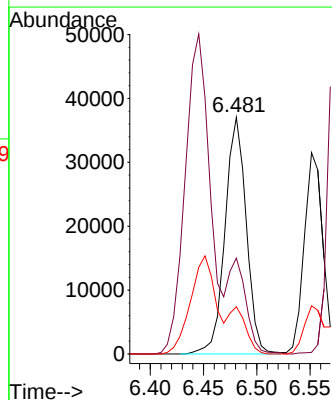
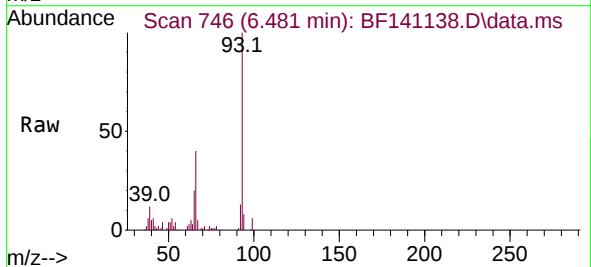
Instrument :
BNA_F
ClientSampleId :
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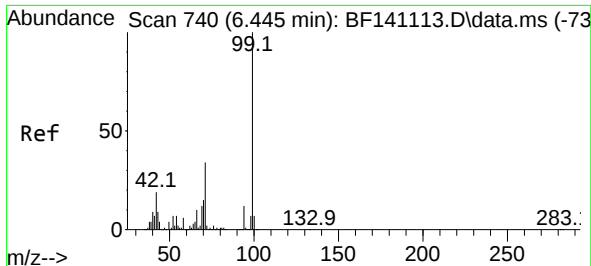
Tgt Ion:112 Resp: 998353
Ion Ratio Lower Upper
112 100
64 59.3 47.3 70.9
63 31.4 24.2 36.2



#6
Aniline
Concen: 4.937 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion: 93 Resp: 51343
Ion Ratio Lower Upper
93 100
66 40.5 31.5 47.3
65 20.0 15.3 22.9





#7

Phenol-d6

Concen: 107.069 ng

RT: 6.440 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

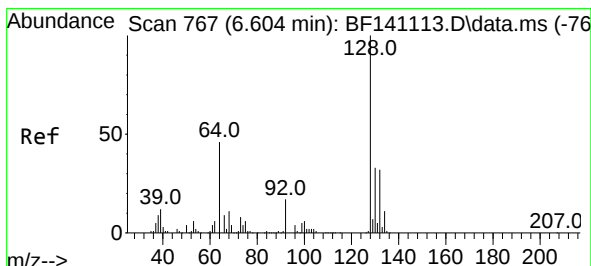
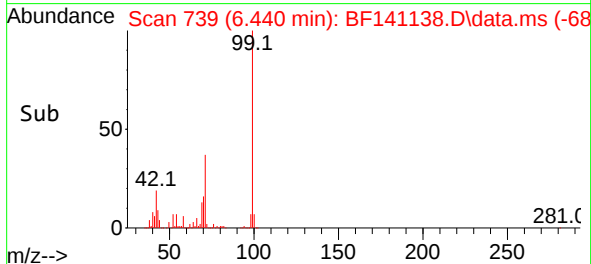
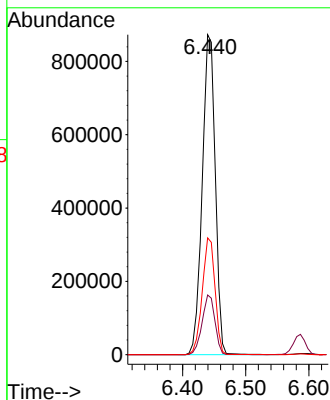
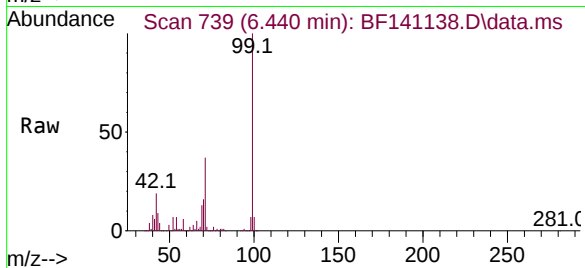
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 99 Resp: 1254028

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	36.5	27.6	41.4



#8

2-Chlorophenol

Concen: 4.051 ng

RT: 6.604 min Scan# 767

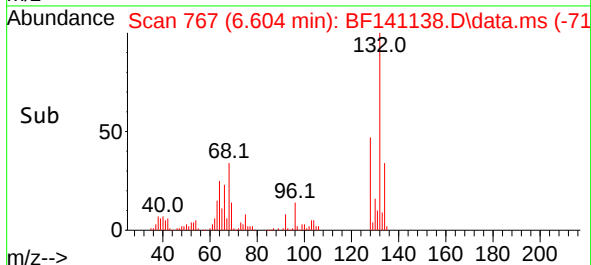
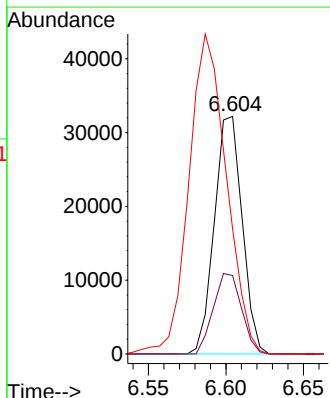
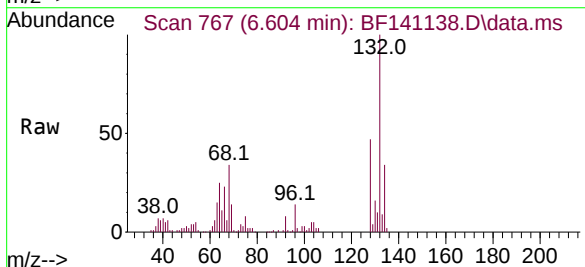
Delta R.T. 0.000 min

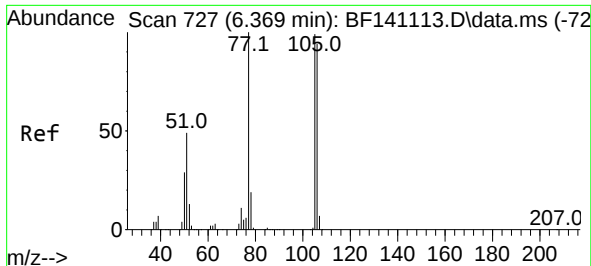
Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Tgt Ion: 128 Resp: 40188

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.5	52.5
64	52.6	28.3	68.3





#9

Benzaldehyde

Concen: 4.751 ng

RT: 6.369 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

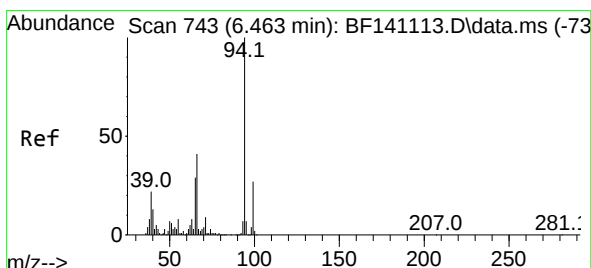
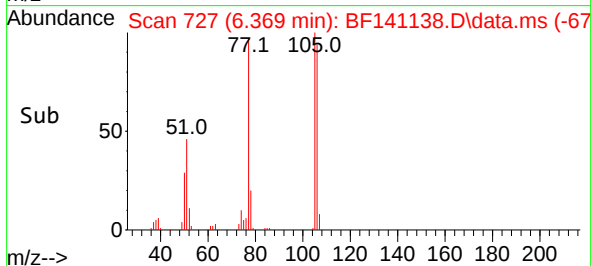
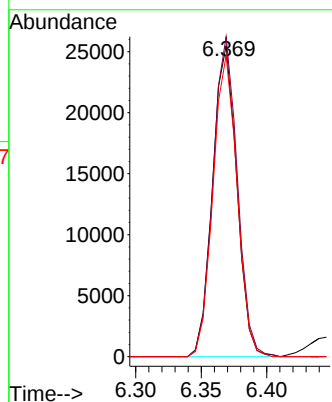
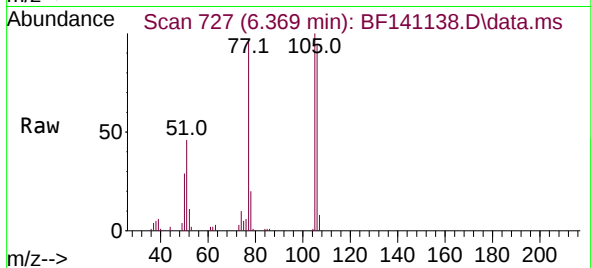
Tgt Ion: 77 Resp: 32772

Ion Ratio Lower Upper

77 100

105 103.0 78.9 118.9

106 96.9 73.6 113.6



#10

Phenol

Concen: 4.017 ng

RT: 6.451 min Scan# 741

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

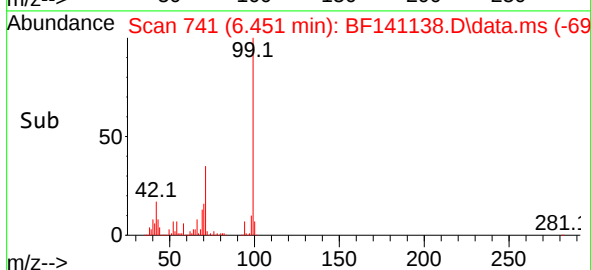
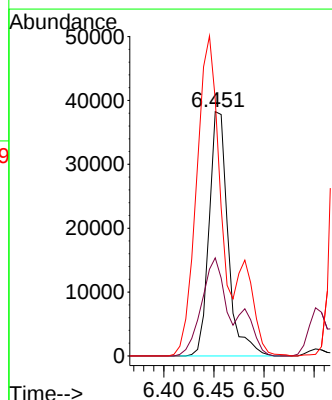
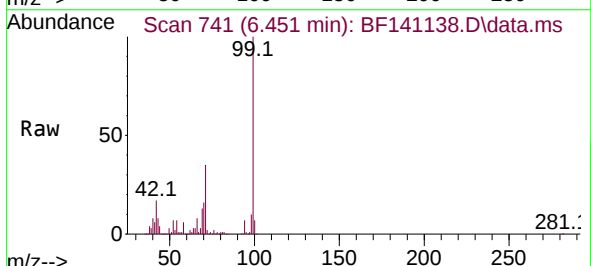
Tgt Ion: 94 Resp: 50367

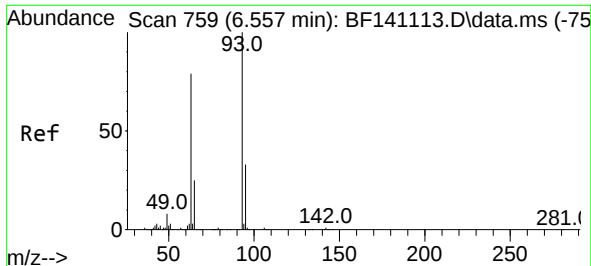
Ion Ratio Lower Upper

94 100

65 40.2 8.9 48.9

66 105.0 21.2 61.2#





#11

bis(2-Chloroethyl)ether

Concen: 4.044 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141138.D

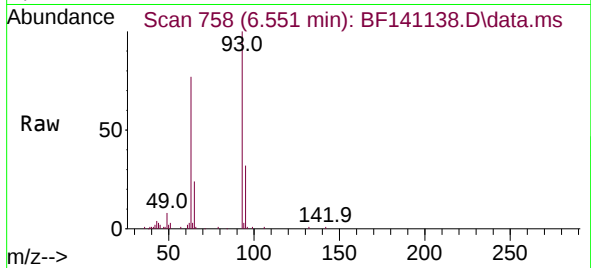
Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024



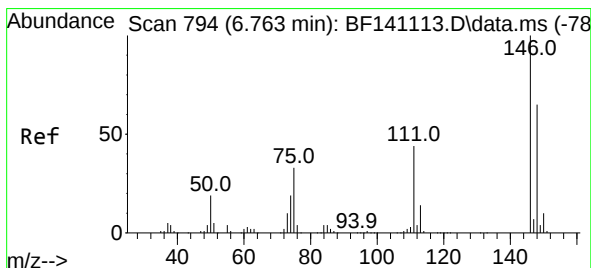
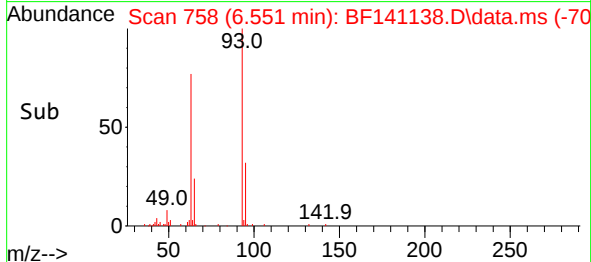
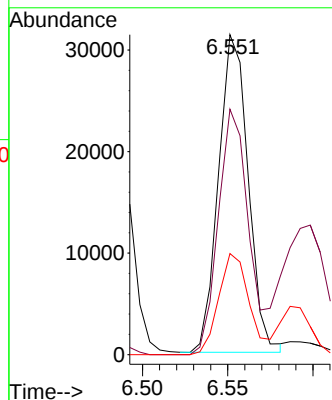
Tgt Ion: 93 Resp: 37788

Ion Ratio Lower Upper

93 100

63 76.7 58.0 98.0

95 31.6 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 3.949 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

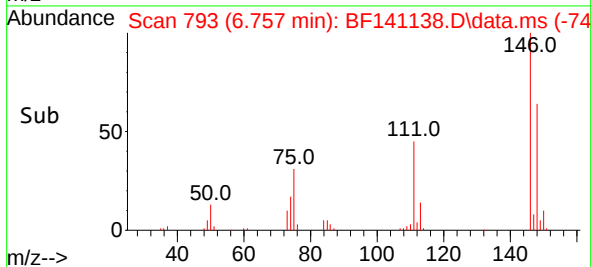
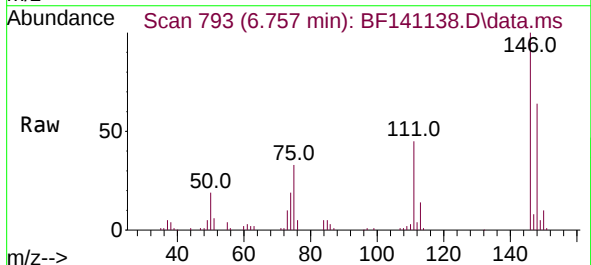
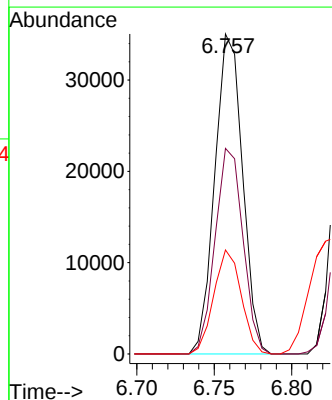
Tgt Ion:146 Resp: 43693

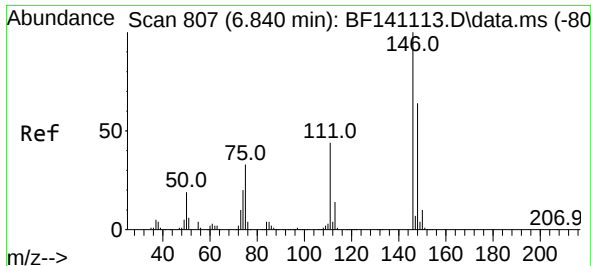
Ion Ratio Lower Upper

146 100

148 64.3 51.6 77.4

75 32.5 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 4.175 ng

RT: 6.840 min Scan# 807

Delta R.T. 0.000 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

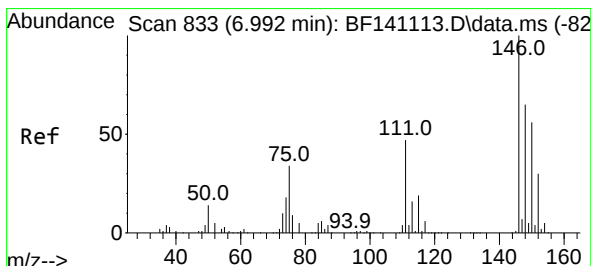
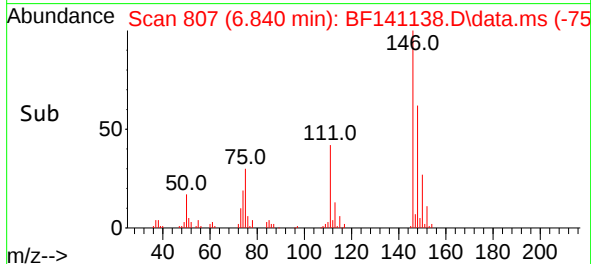
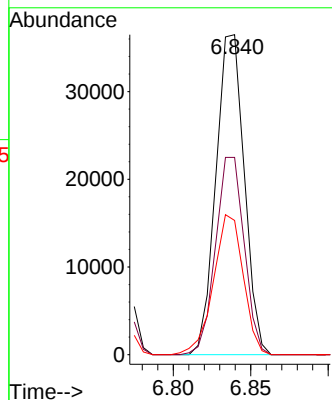
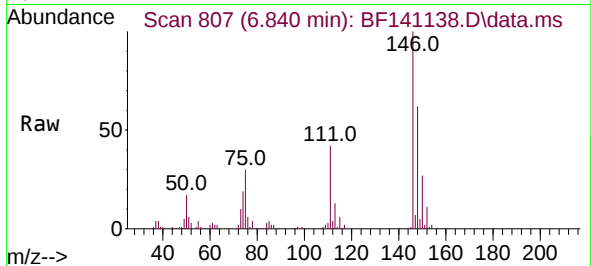
Tgt Ion:146 Resp: 46550

Ion Ratio Lower Upper

146 100

148 61.7 51.0 76.6

111 41.9 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 4.129 ng

RT: 6.992 min Scan# 833

Delta R.T. 0.000 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

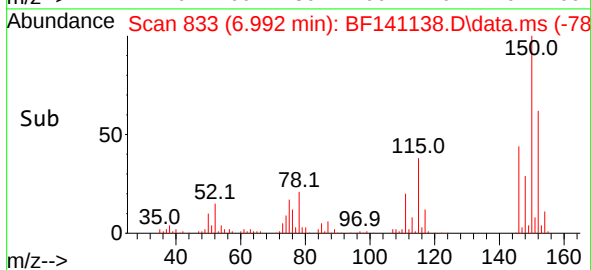
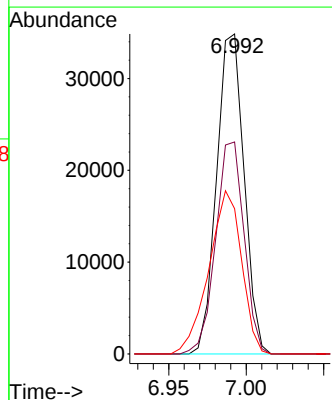
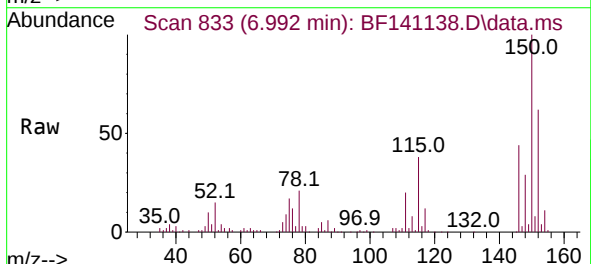
Tgt Ion:146 Resp: 42944

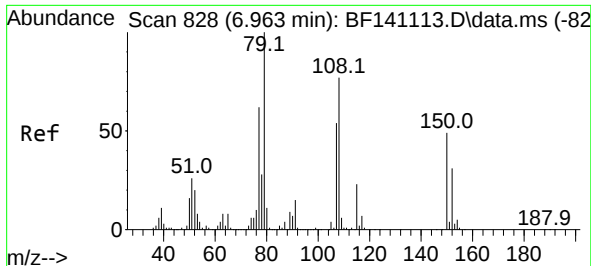
Ion Ratio Lower Upper

146 100

148 66.2 52.2 78.4

111 45.4 37.5 56.3

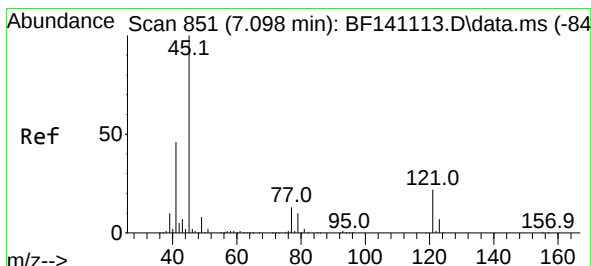
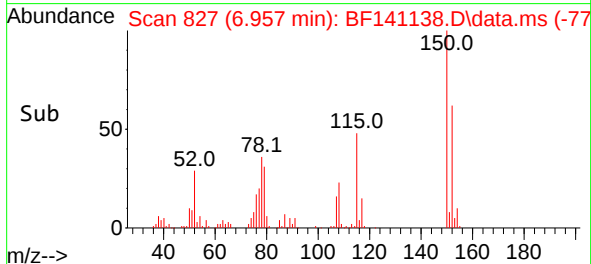
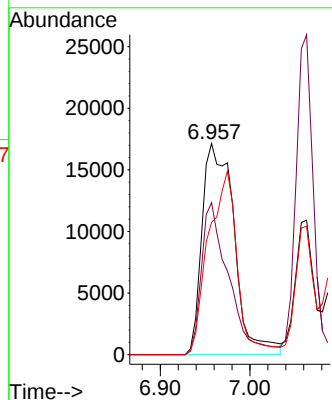
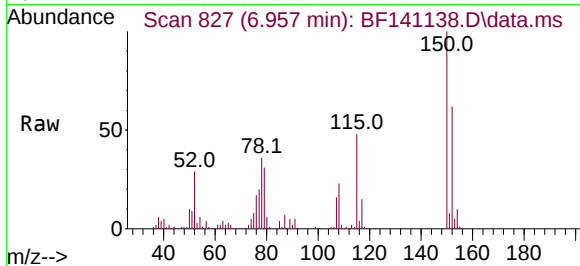




#15
Benzyl Alcohol
Concen: 5.023 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

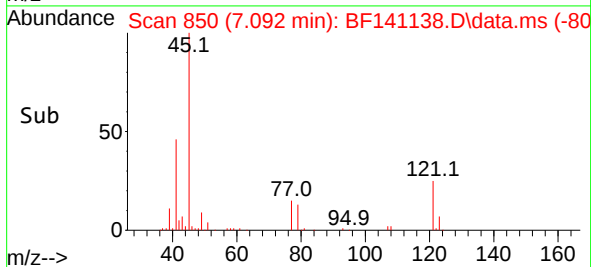
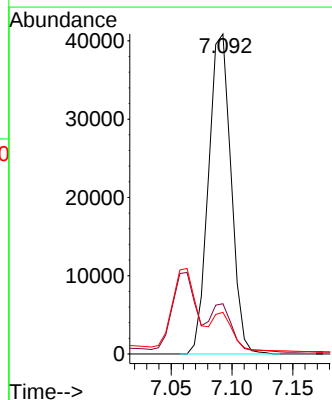
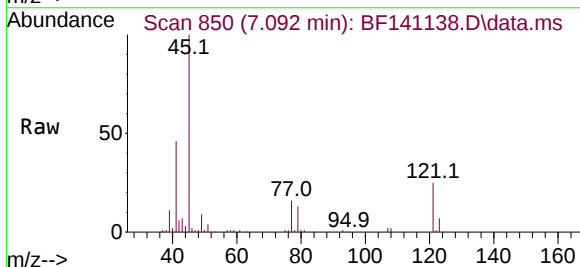
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

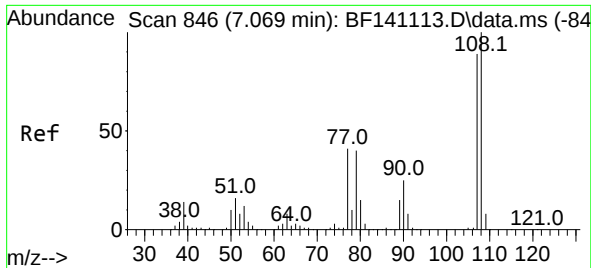
Tgt Ion: 79 Resp: 42483
Ion Ratio Lower Upper
79 100
108 72.0 61.4 92.0
77 62.6 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.031 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion: 45 Resp: 52562
Ion Ratio Lower Upper
45 100
77 15.7 0.0 34.1
79 13.0 0.0 31.0

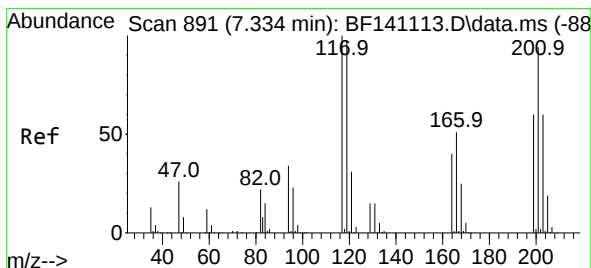
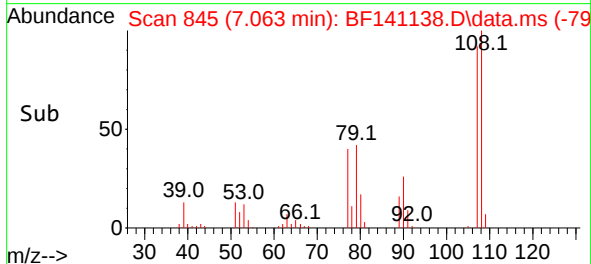
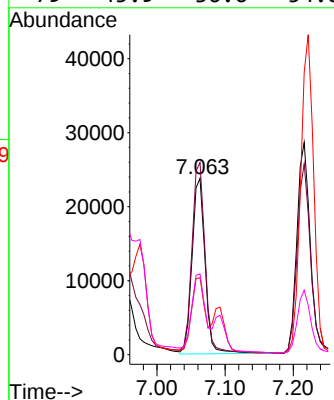
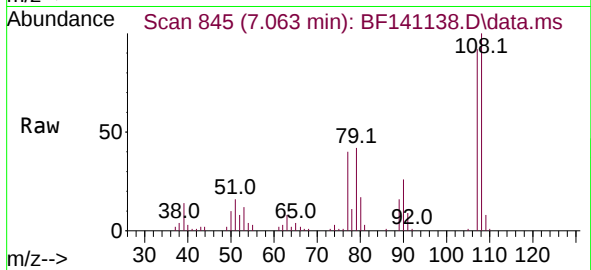




#17
2-Methylphenol
Concen: 3.930 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

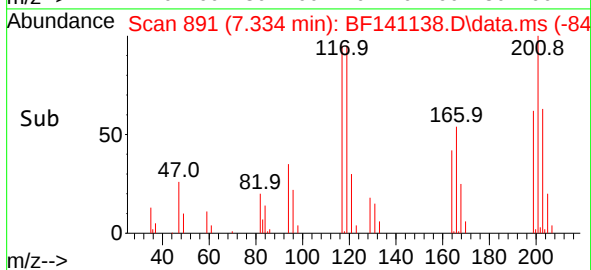
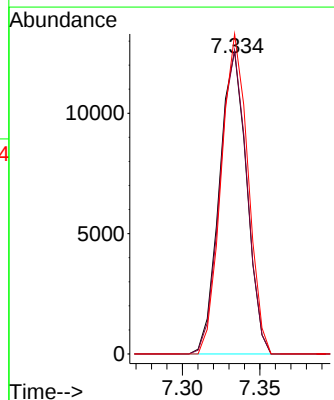
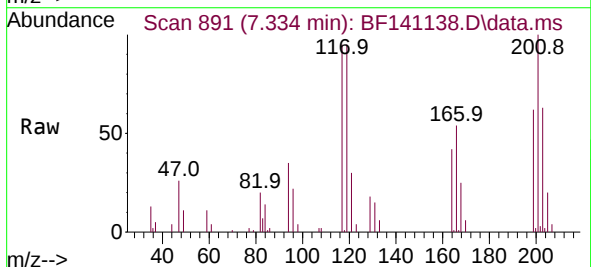
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

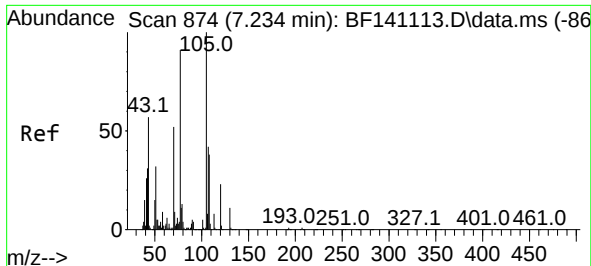
Tgt Ion:	107	Resp:	31472
Ion	Ratio	Lower	Upper
107	100		
108	109.0	90.1	135.1
77	43.7	36.6	55.0
79	45.9	36.6	54.8



#18
Hexachloroethane
Concen: 3.821 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:	117	Resp:	15405
Ion	Ratio	Lower	Upper
117	100		
119	100.4	77.6	116.4
201	105.7	75.1	112.7

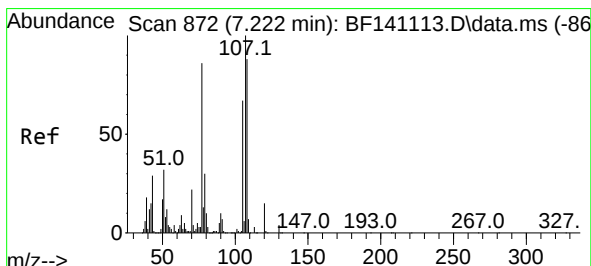
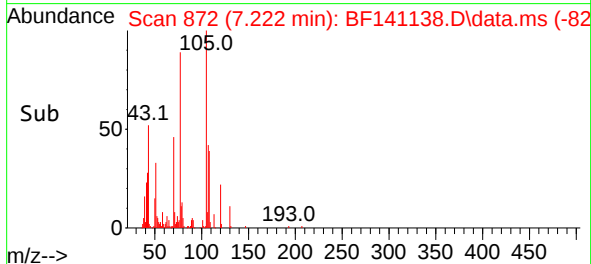
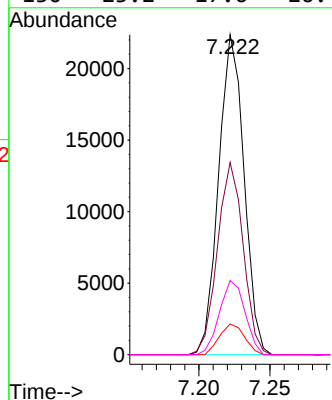
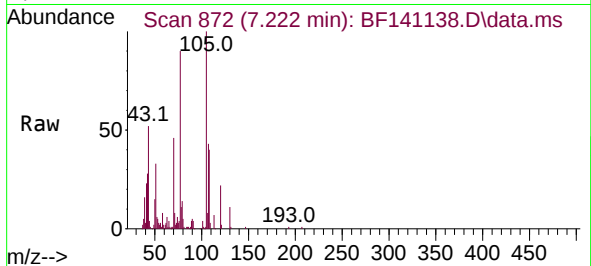




#19
n-Nitroso-di-n-propylamine
Concen: 4.031 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

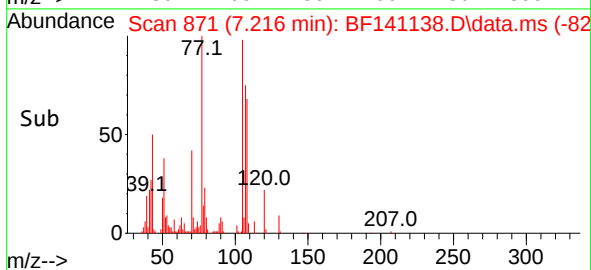
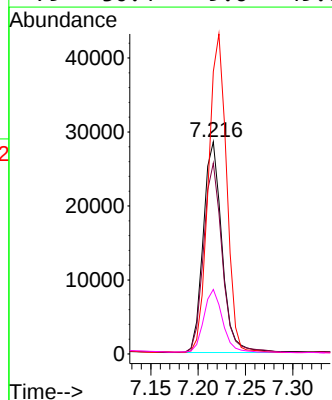
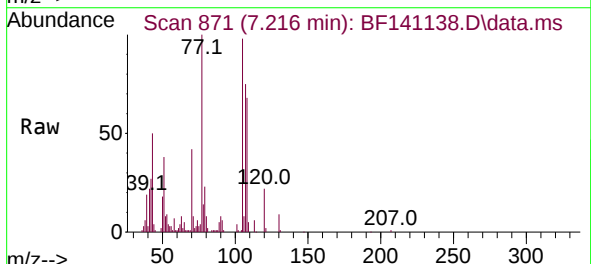
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

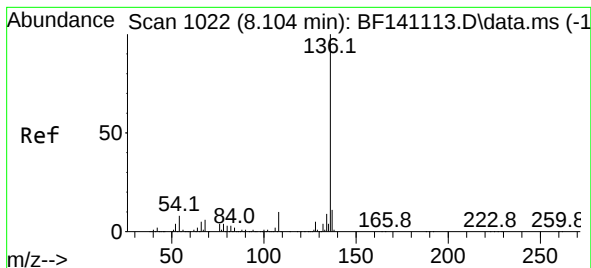
Tgt Ion:	70	Resp:	27814
Ion	Ratio	Lower	Upper
70	100		
42	60.1	47.8	71.6
101	9.6	7.9	11.9
130	23.2	17.6	26.4



#20
3+4-Methylphenols
Concen: 3.877 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:	107	Resp:	39170
Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.3	108.3
77	133.1	66.4	106.4#
79	30.4	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141138.D

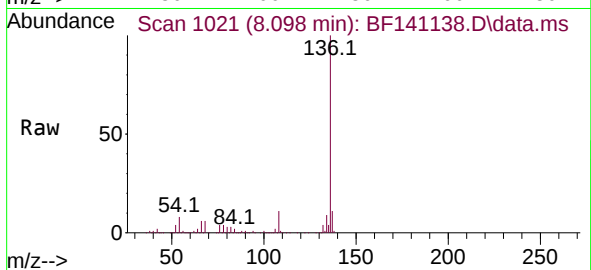
Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:136 Resp: 550517

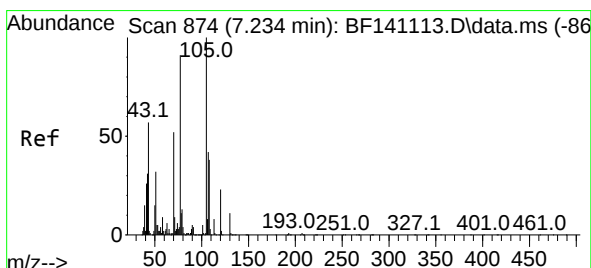
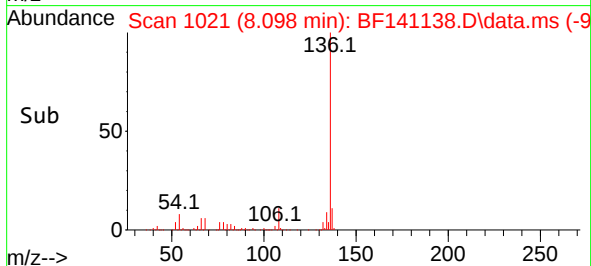
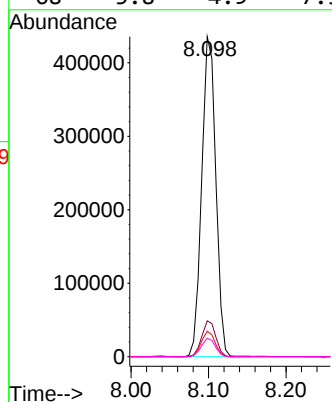
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.0 6.3 9.5

68 5.8 4.9 7.3



#22

Acetophenone

Concen: 4.481 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Tgt Ion:105 Resp: 58638

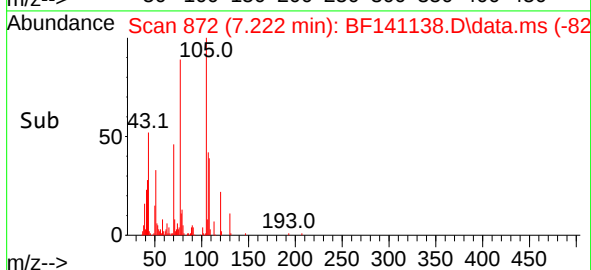
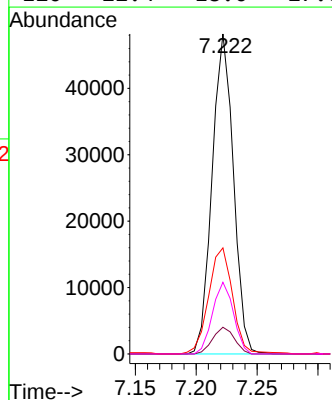
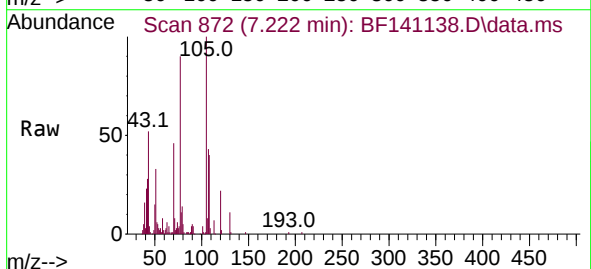
Ion Ratio Lower Upper

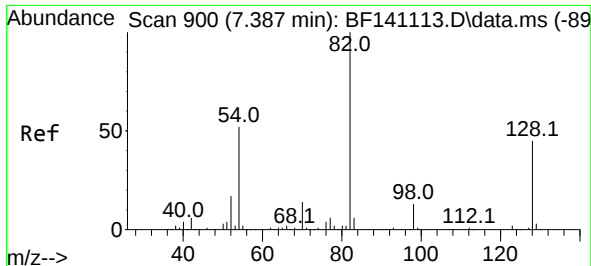
105 100

71 8.3 7.1 10.7

51 33.2 25.4 38.2

120 22.4 18.0 27.0

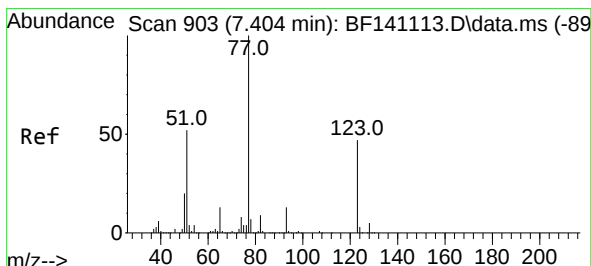
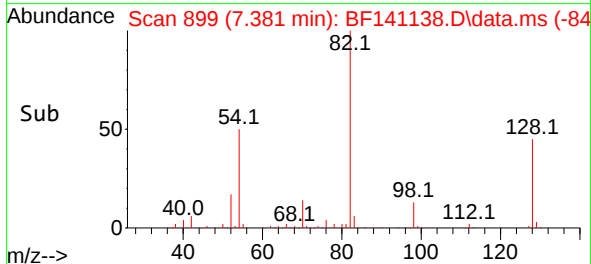
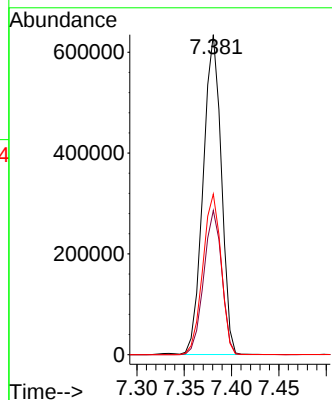
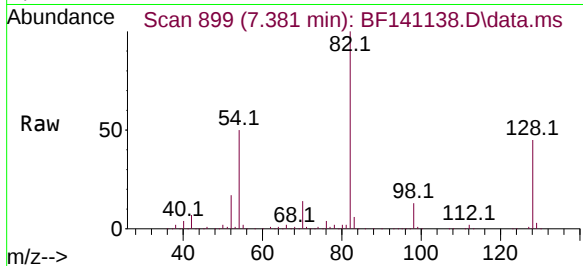




#23
Nitrobenzene-d5
Concen: 81.310 ng
RT: 7.381 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

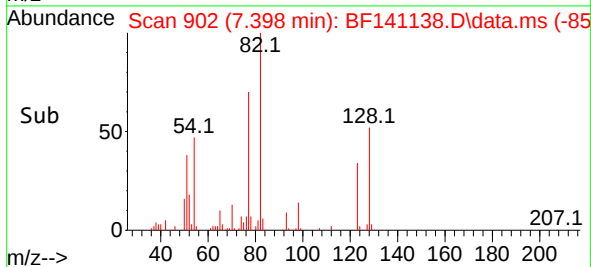
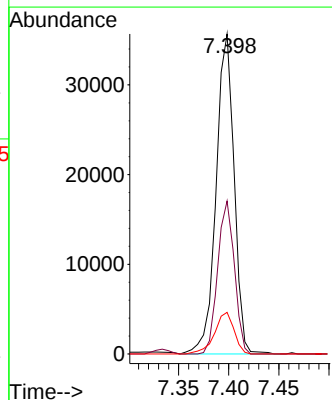
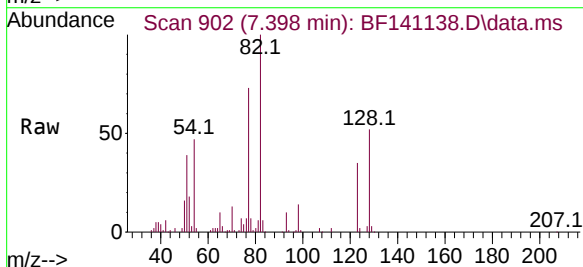
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

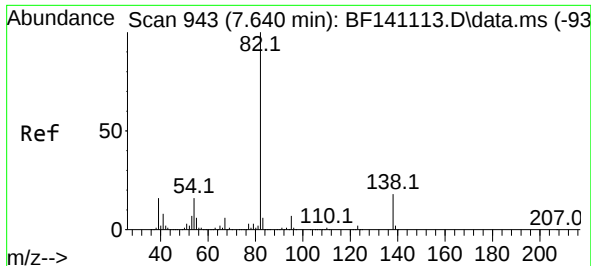
Tgt Ion: 82 Resp: 844439
Ion Ratio Lower Upper
82 100
128 45.1 36.1 54.1
54 50.2 41.0 61.4



#24
Nitrobenzene
Concen: 4.124 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion: 77 Resp: 44642
Ion Ratio Lower Upper
77 100
123 47.8 37.7 56.5
65 13.0 10.6 16.0

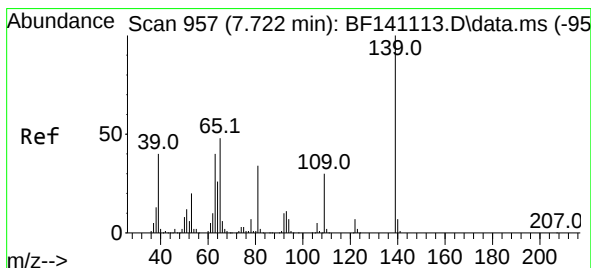
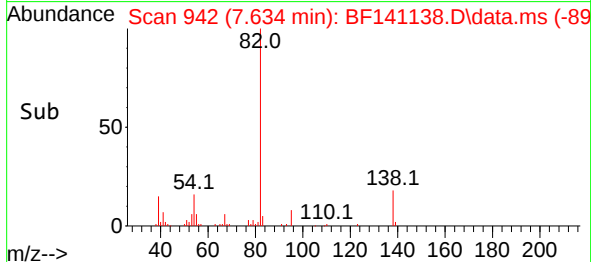
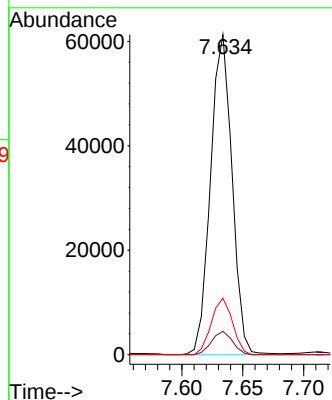
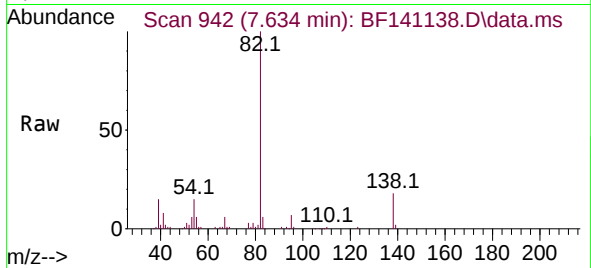




#25
Isophorone
Concen: 4.237 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

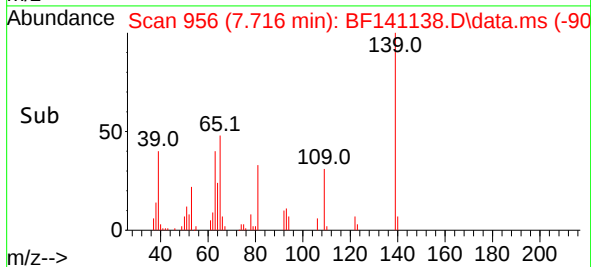
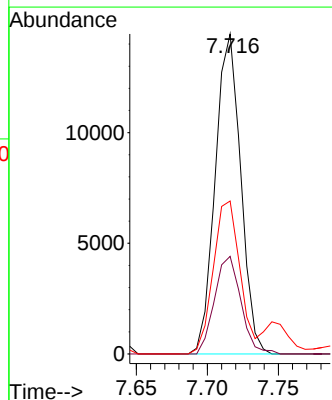
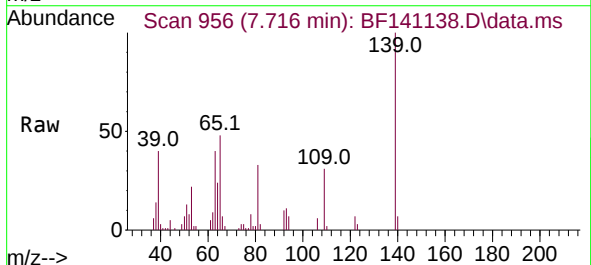
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

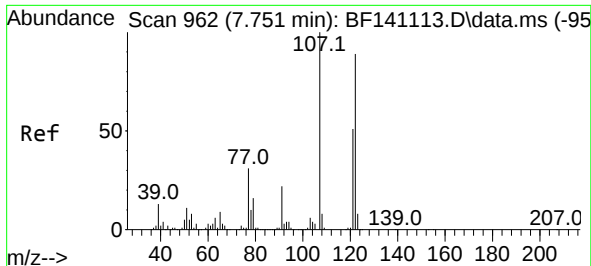
Tgt Ion: 82 Resp: 75207
Ion Ratio Lower Upper
82 100
95 7.3 5.9 8.9
138 17.7 14.2 21.2



#26
2-Nitrophenol
Concen: 3.660 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion: 139 Resp: 18022
Ion Ratio Lower Upper
139 100
109 30.5 23.8 35.6
65 47.8 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 2.524 ng

RT: 7.745 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

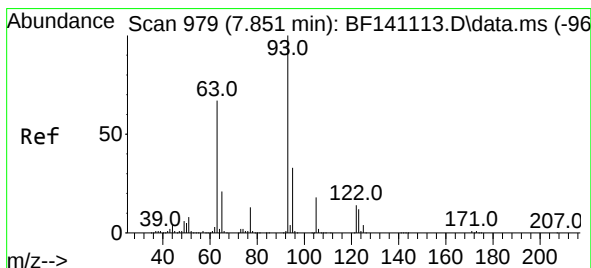
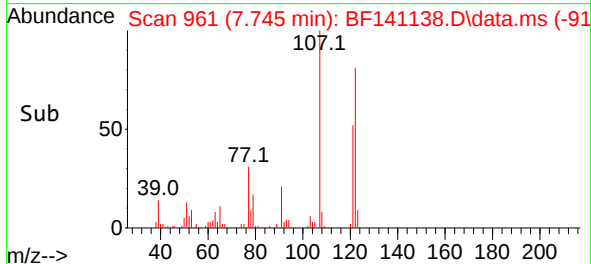
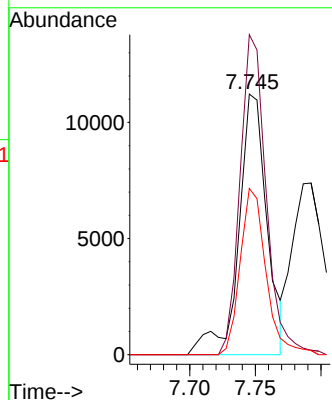
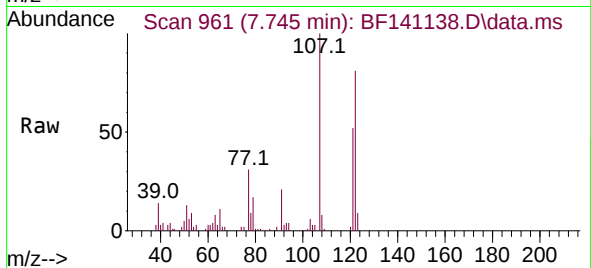
Tgt Ion:122 Resp: 16764

Ion Ratio Lower Upper

122 100

107 122.8 90.3 135.5

121 63.8 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 4.092 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

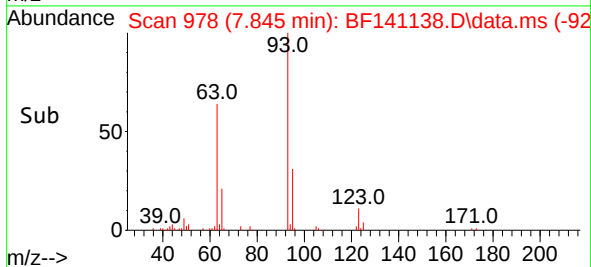
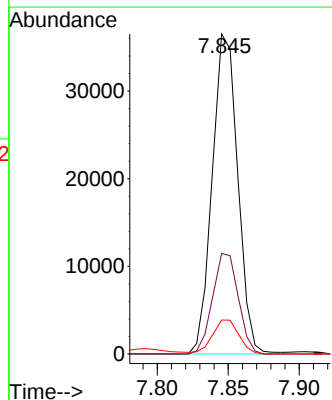
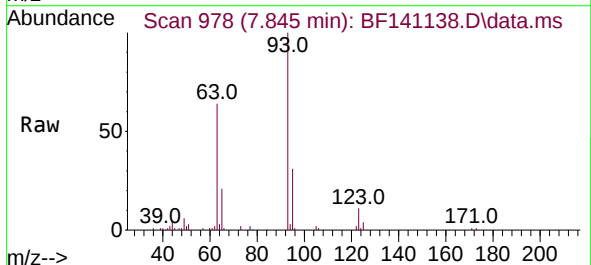
Tgt Ion: 93 Resp: 45577

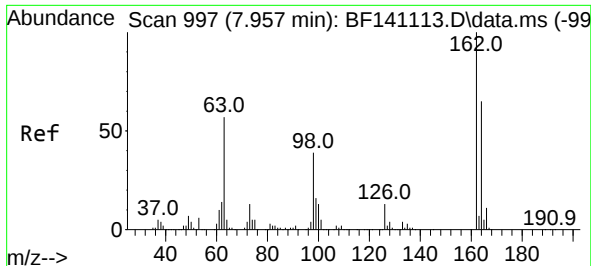
Ion Ratio Lower Upper

93 100

95 31.4 26.2 39.4

123 10.6 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 4.140 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

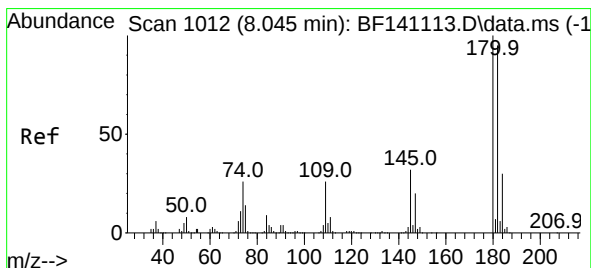
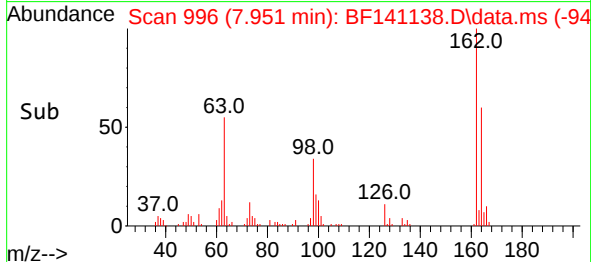
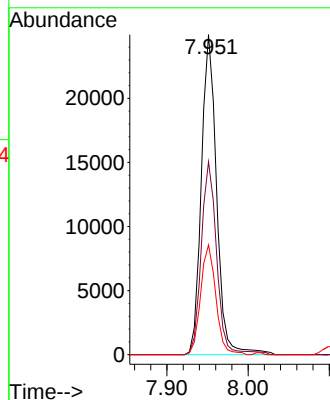
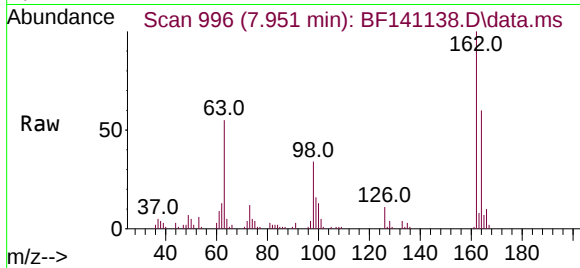
Tgt Ion:162 Resp: 32651

Ion Ratio Lower Upper

162 100

164 60.3 44.5 84.5

98 34.3 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 4.121 ng

RT: 8.039 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

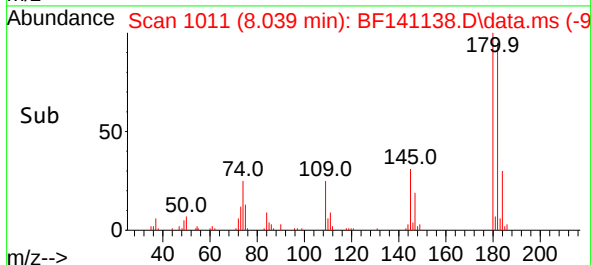
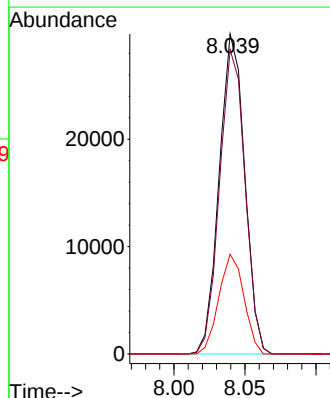
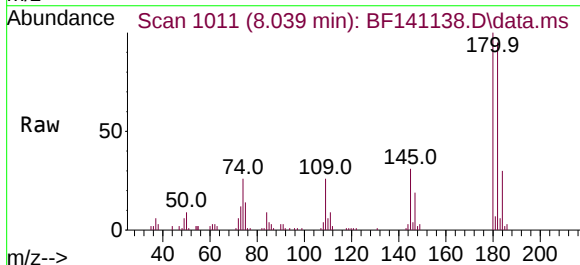
Tgt Ion:180 Resp: 37153

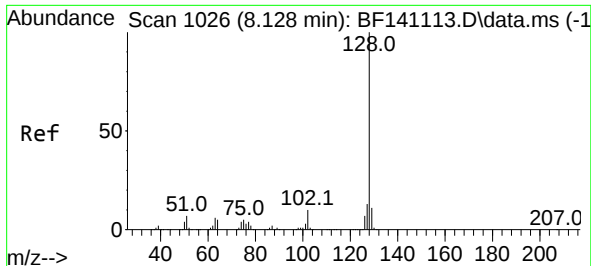
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 31.2 25.3 37.9

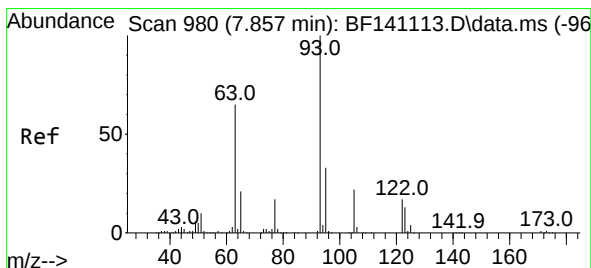
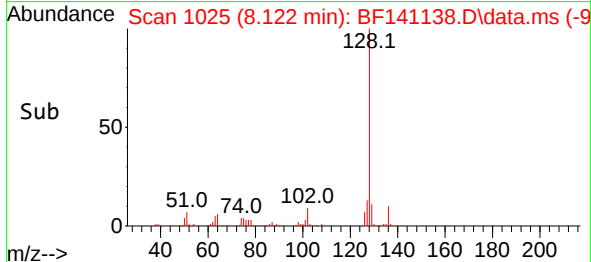
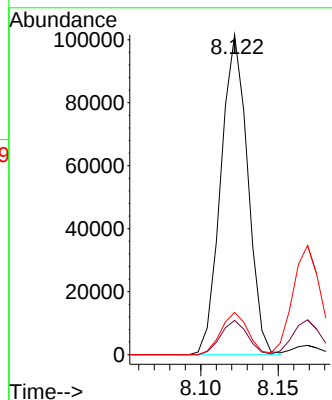
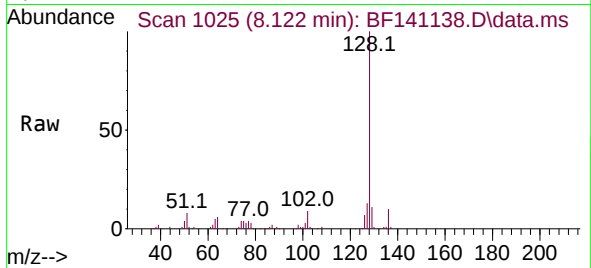




#31
Naphthalene
Concen: 4.215 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

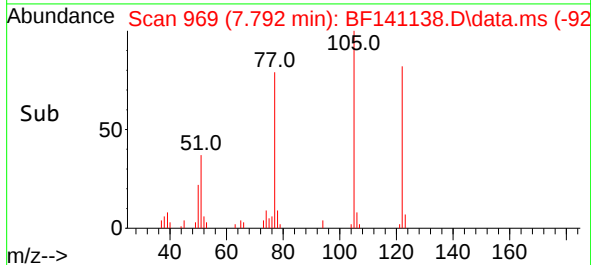
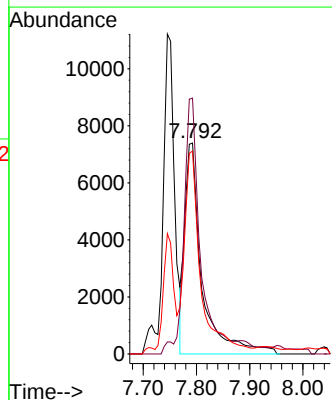
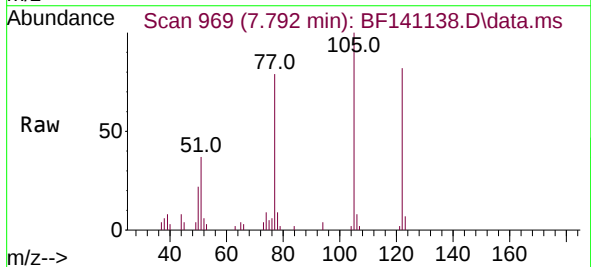
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

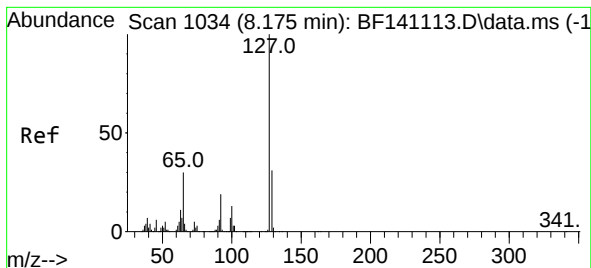
Tgt Ion:128 Resp: 122369
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 2.626 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.065 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:122 Resp: 16727
Ion Ratio Lower Upper
122 100
105 121.3 105.5 145.5
77 96.2 75.1 115.1





#33

4-Chloroaniline

Concen: 4.550 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:127 Resp: 45686

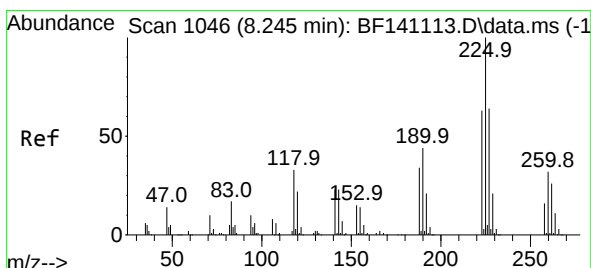
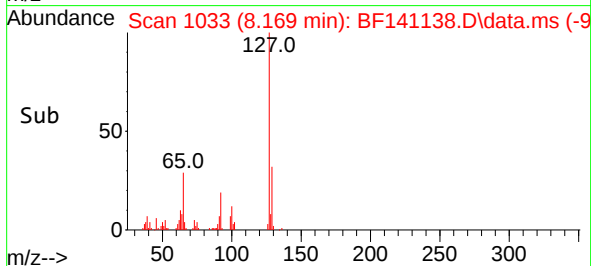
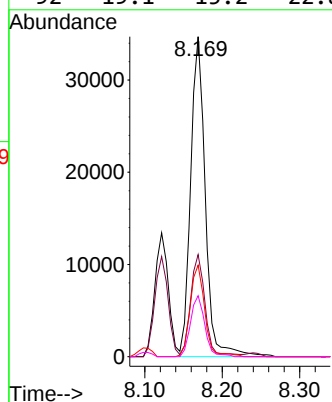
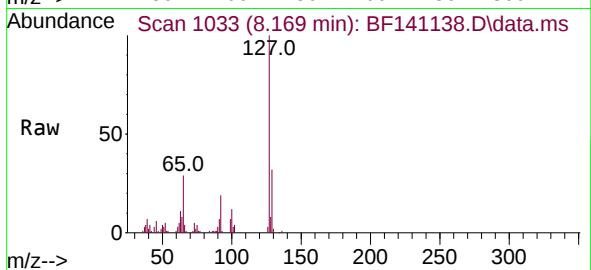
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 28.6 23.8 35.8

92 19.1 15.2 22.8



#34

Hexachlorobutadiene

Concen: 3.827 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

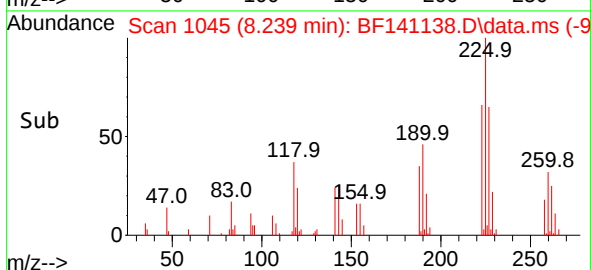
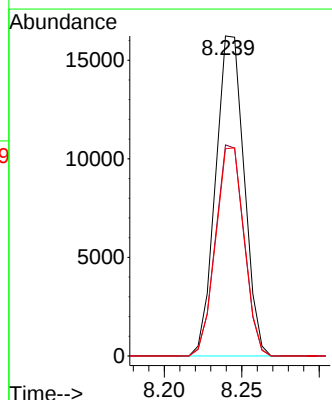
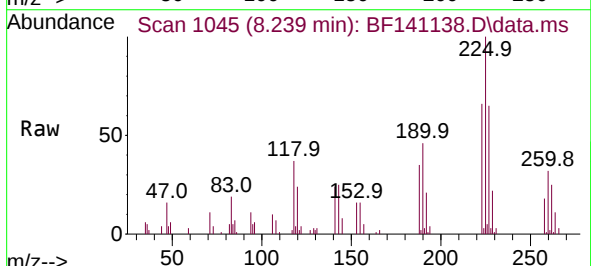
Tgt Ion:225 Resp: 20788

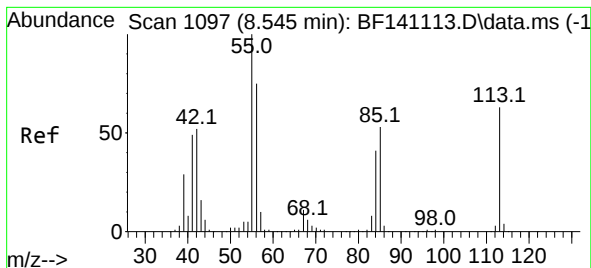
Ion Ratio Lower Upper

225 100

223 65.9 50.6 76.0

227 64.7 51.6 77.4





#35

Caprolactam

Concen: 3.793 ng

RT: 8.492 min Scan# 1108

Delta R.T. -0.053 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

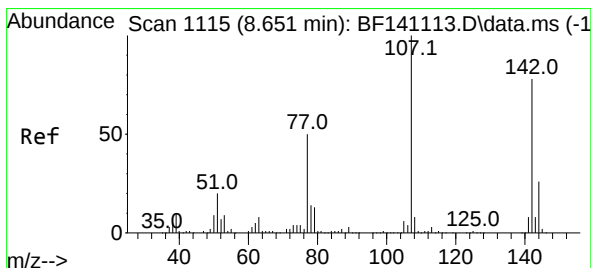
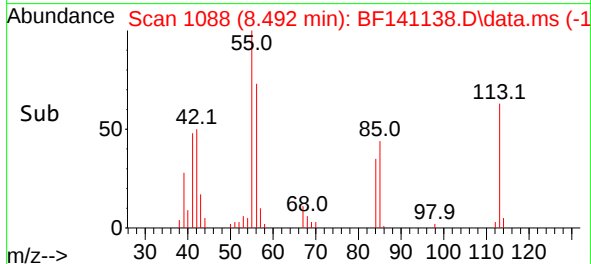
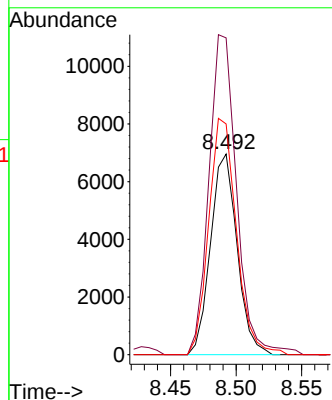
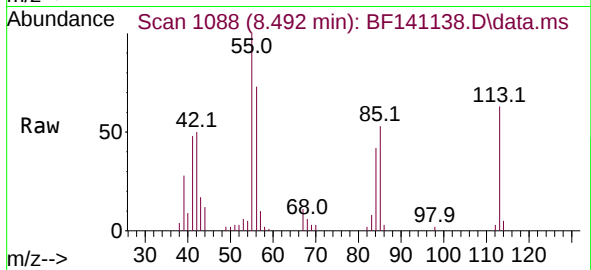
Tgt Ion:113 Resp: 9795

Ion Ratio Lower Upper

113 100

55 157.9 139.7 179.7

56 115.0 99.4 139.4



#36

4-Chloro-3-methylphenol

Concen: 4.878 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

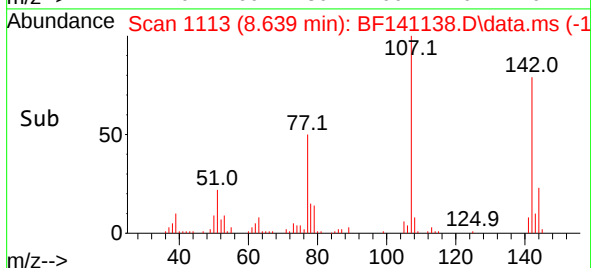
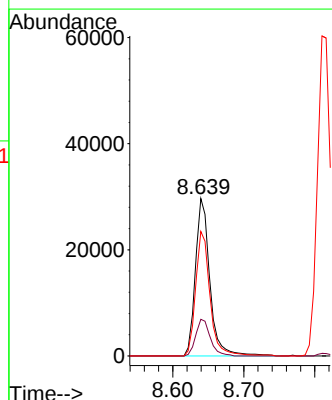
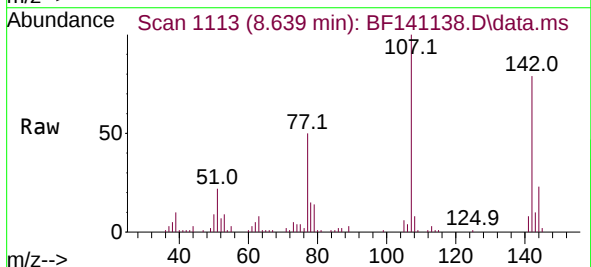
Tgt Ion:107 Resp: 42082

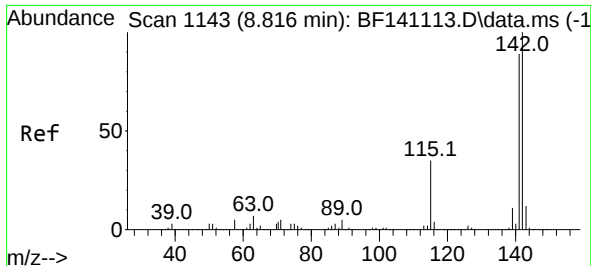
Ion Ratio Lower Upper

107 100

144 23.3 20.4 30.6

142 79.0 62.2 93.2

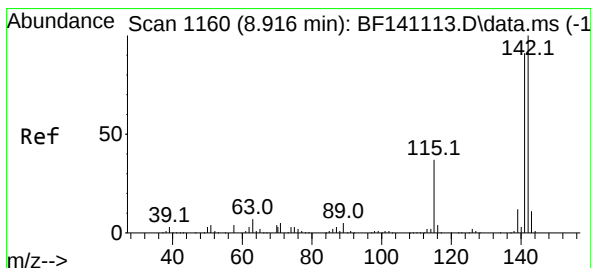
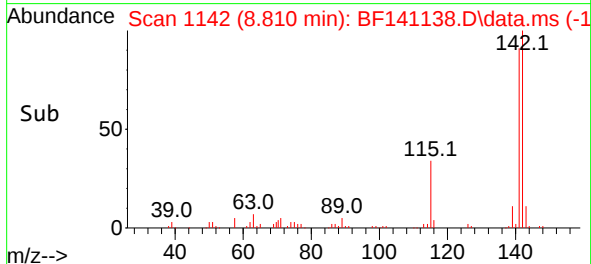
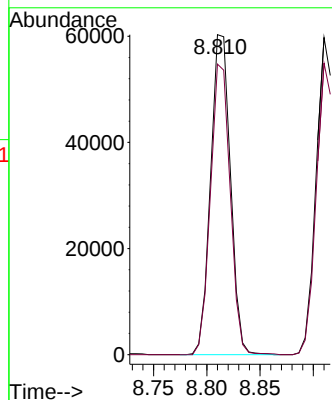
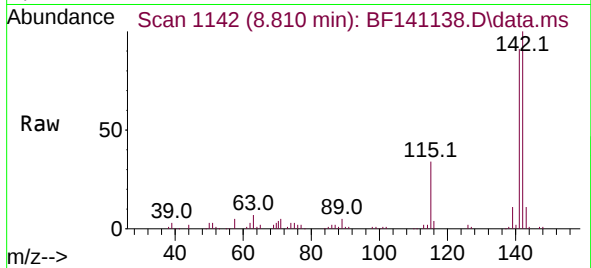




#37
2-Methylnaphthalene
Concen: 4.226 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

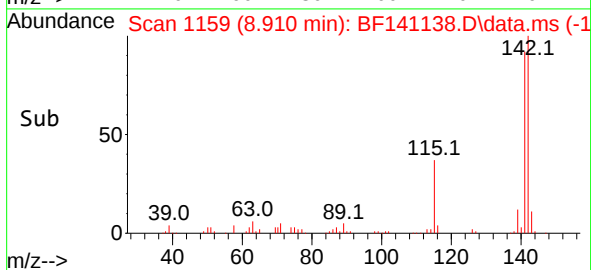
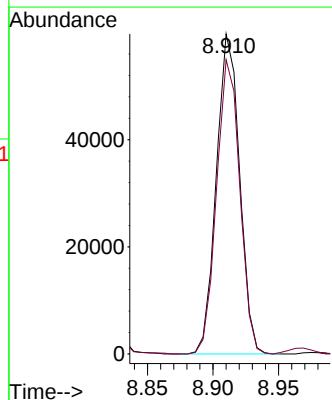
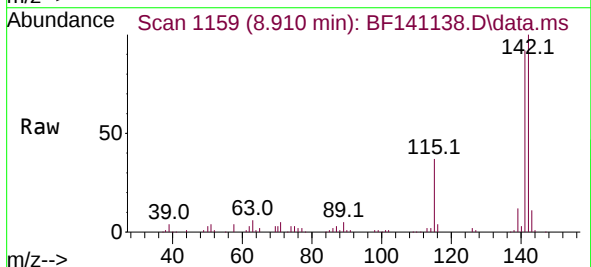
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

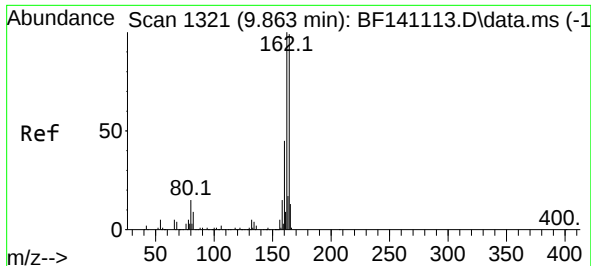
Tgt Ion:142 Resp: 78190
Ion Ratio Lower Upper
142 100
141 90.8 71.3 106.9



#38
1-Methylnaphthalene
Concen: 4.033 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:142 Resp: 73527
Ion Ratio Lower Upper
142 100
141 91.9 73.1 109.7

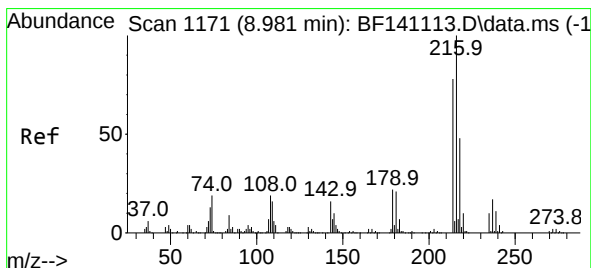
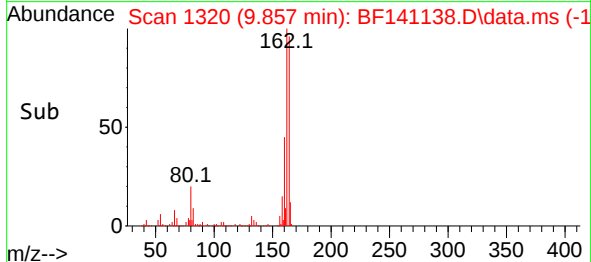
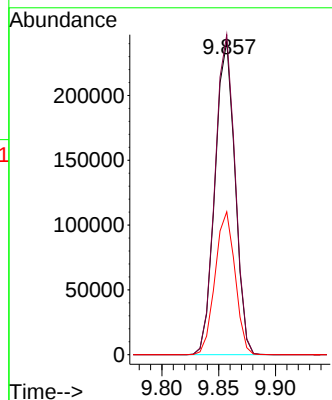
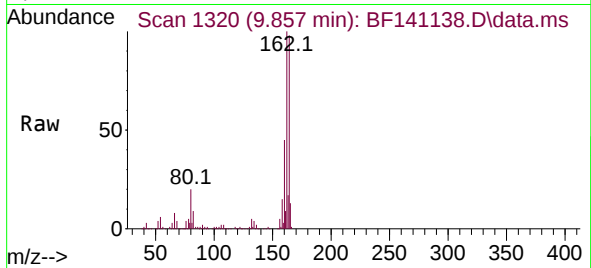




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

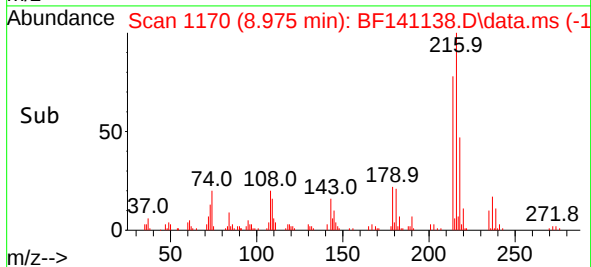
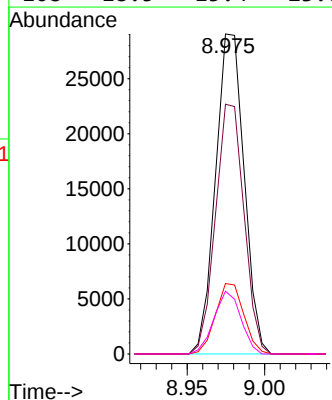
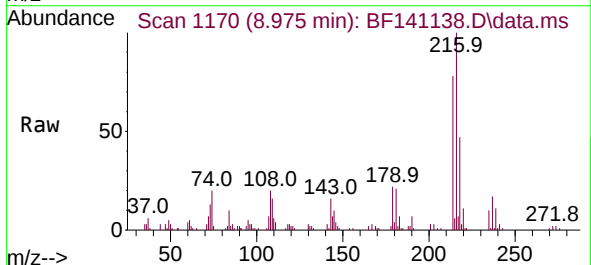
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

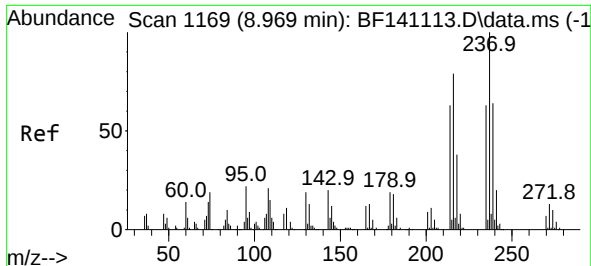
Tgt Ion:164 Resp: 295918
Ion Ratio Lower Upper
164 100
162 102.1 81.0 121.4
160 45.6 36.1 54.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.394 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:216 Resp: 37316
Ion Ratio Lower Upper
216 100
214 77.6 62.6 94.0
179 21.7 17.7 26.5
108 18.5 15.4 23.0

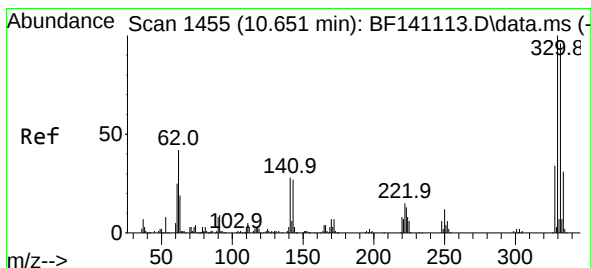
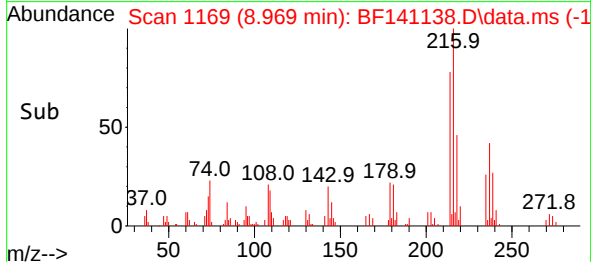
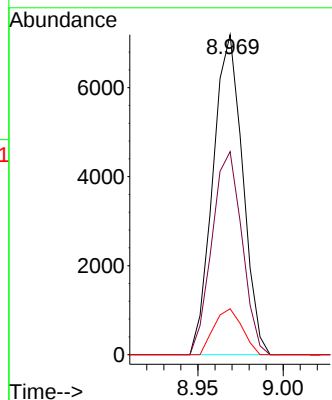
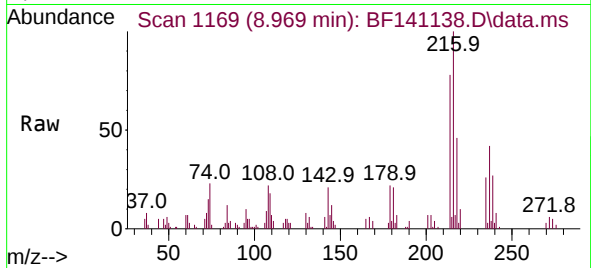




#41
Hexachlorocyclopentadiene
Concen: 3.137 ng
RT: 8.969 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

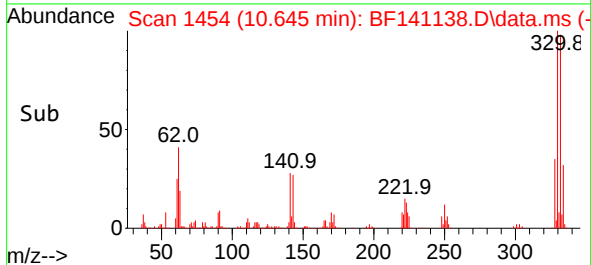
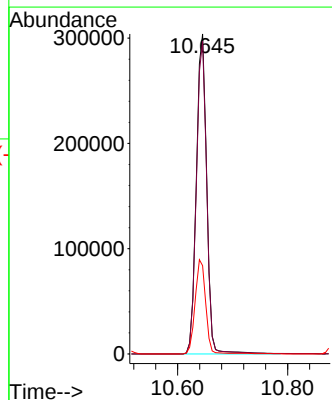
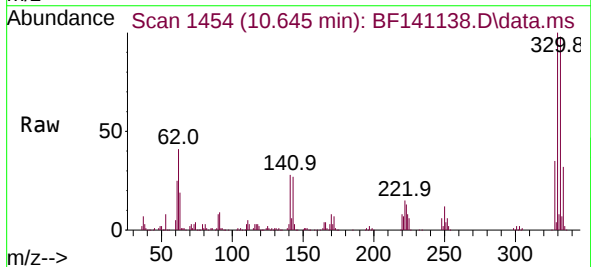
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

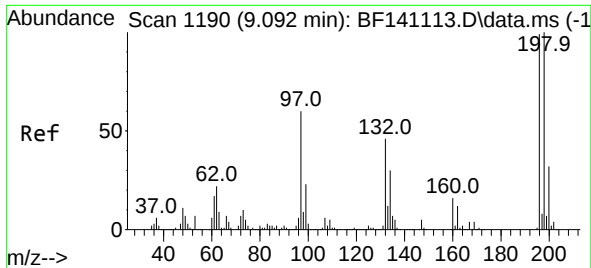
Tgt Ion:	237	Resp:	8716
Ion Ratio	Lower	Upper	
237	100		
235	63.5	43.0	83.0
272	14.4	0.0	33.0



#42
2,4,6-Tribromophenol
Concen: 117.999 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

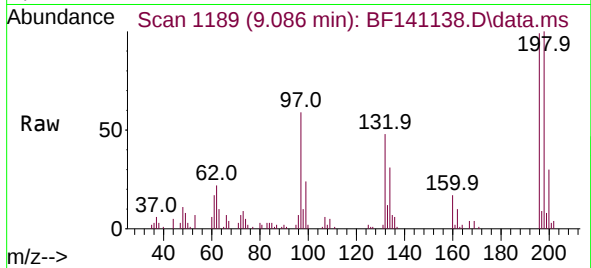
Tgt Ion:	330	Resp:	397867
Ion Ratio	Lower	Upper	
330	100		
332	97.3	76.9	115.3
141	29.9	25.2	37.8



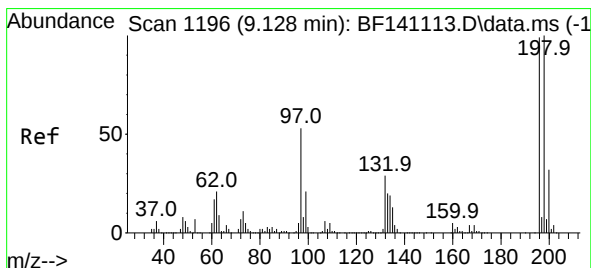
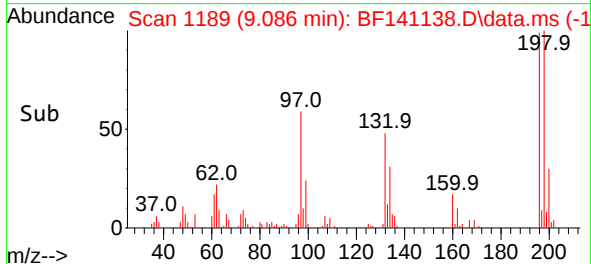
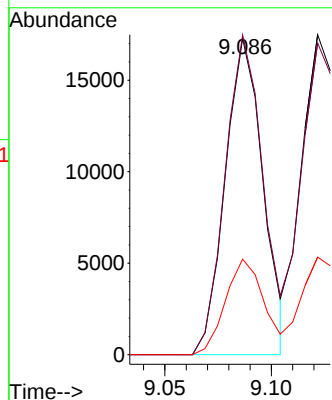


#43
2,4,6-Trichlorophenol
Concen: 3.719 ng
RT: 9.086 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

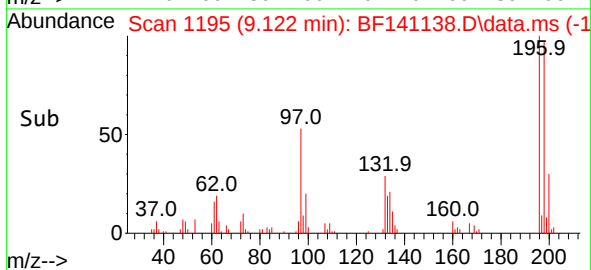
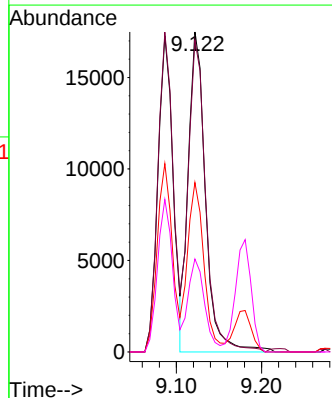
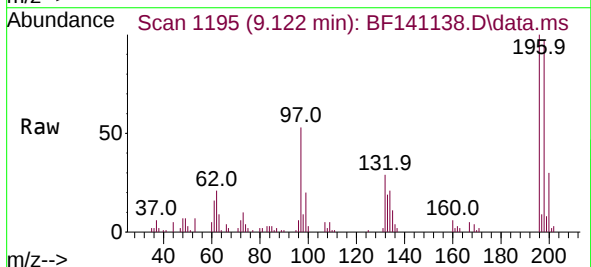


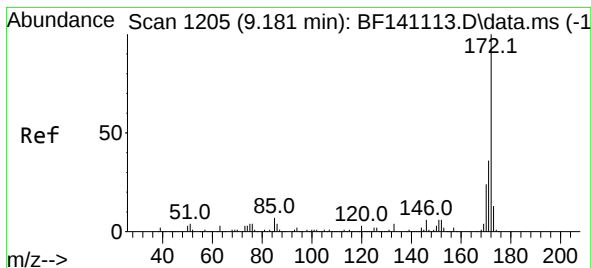
Tgt Ion:196 Resp: 21304
Ion Ratio Lower Upper
196 100
198 101.2 80.8 121.2
200 30.2 25.7 38.5



#44
2,4,5-Trichlorophenol
Concen: 4.059 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:196 Resp: 24555
Ion Ratio Lower Upper
196 100
198 97.4 80.6 120.8
97 53.0 43.1 64.7
132 29.0 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 80.139 ng

RT: 9.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

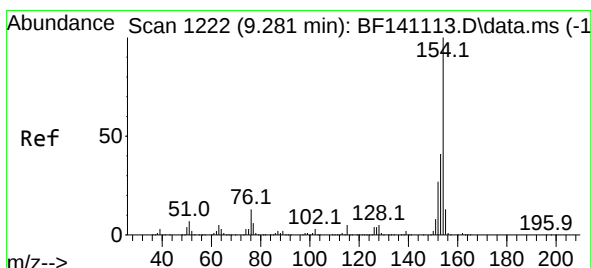
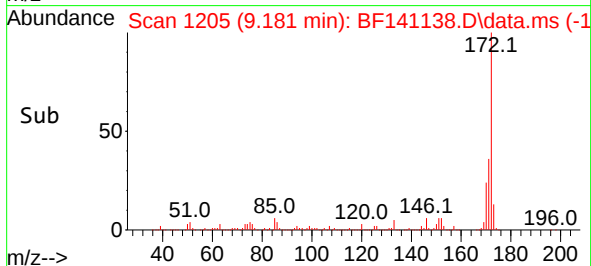
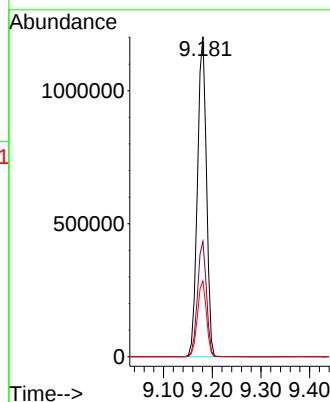
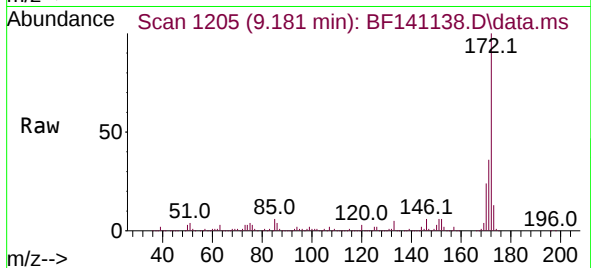
Tgt Ion:172 Resp: 1552981

Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 4.583 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

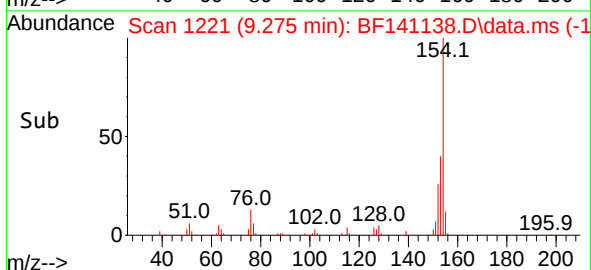
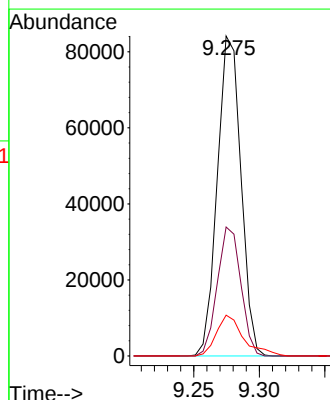
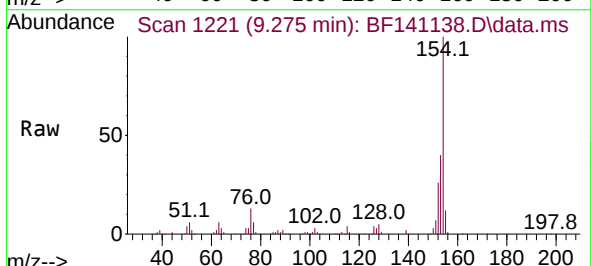
Tgt Ion:154 Resp: 105325

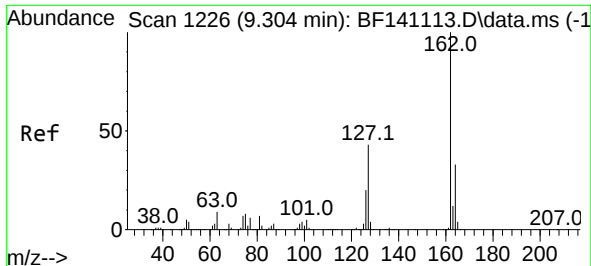
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 12.7 0.0 33.1

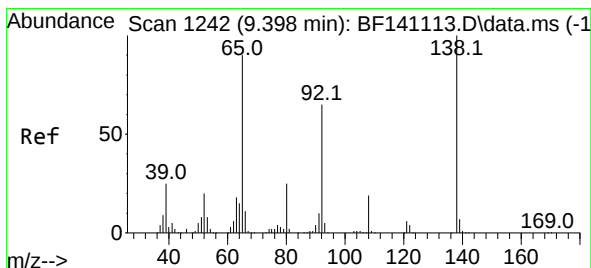
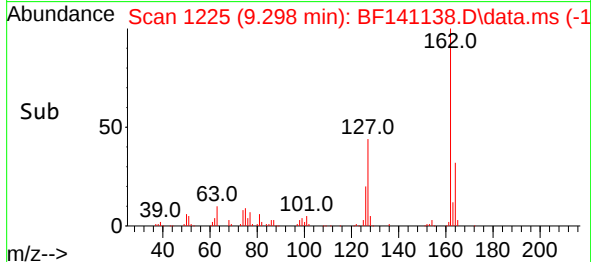
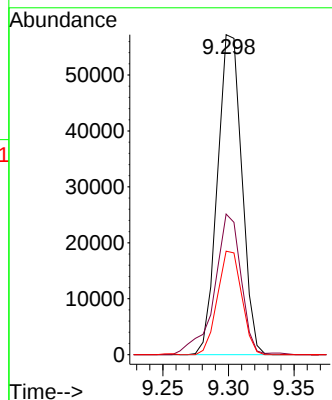
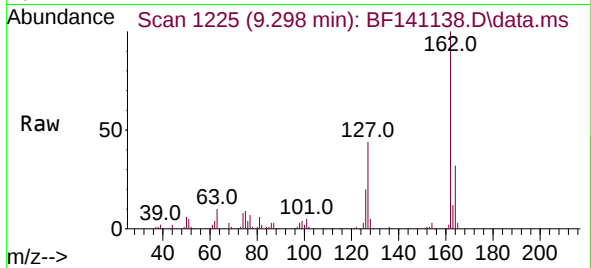




#47
2-Chloronaphthalene
Concen: 4.117 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

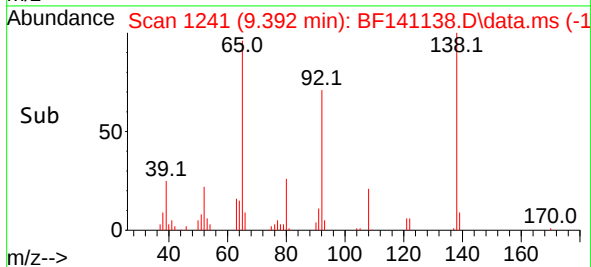
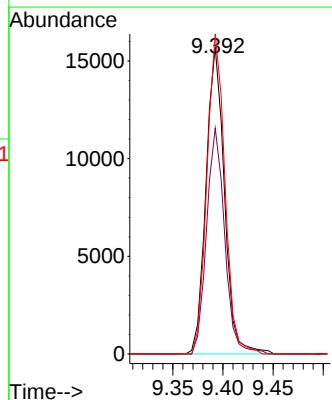
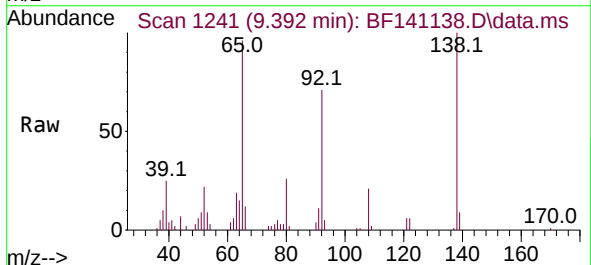
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

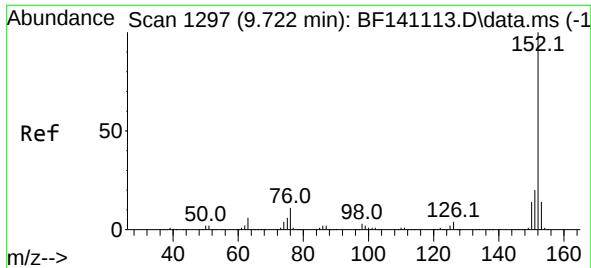
Tgt Ion:162 Resp: 73693
Ion Ratio Lower Upper
162 100
127 43.9 34.6 51.8
164 32.4 26.5 39.7



#48
2-Nitroaniline
Concen: 3.793 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion: 65 Resp: 20125
Ion Ratio Lower Upper
65 100
92 73.6 58.3 87.5
138 104.3 89.1 133.7





#49

Acenaphthylene

Concen: 4.527 ng

RT: 9.716 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

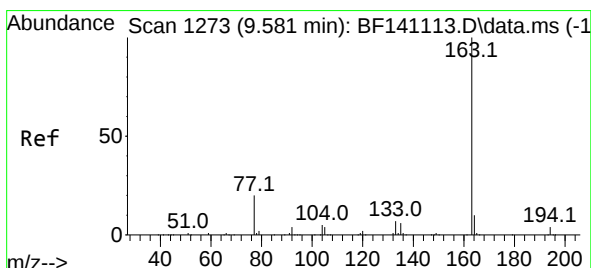
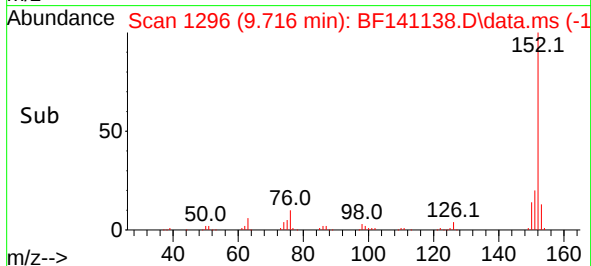
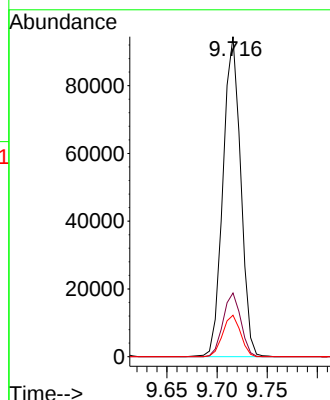
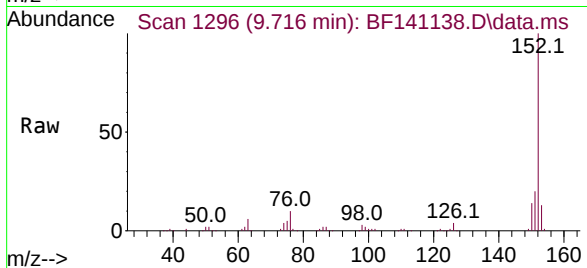
Tgt Ion:152 Resp: 115771

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 12.9 11.1 16.7



#50

Dimethylphthalate

Concen: 4.339 ng

RT: 9.569 min Scan# 1271

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

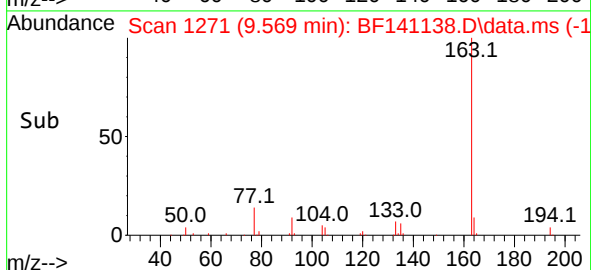
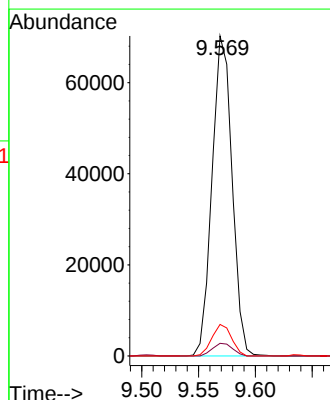
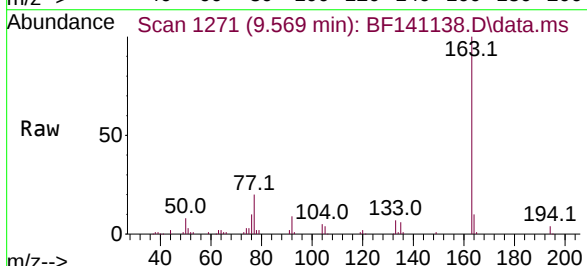
Tgt Ion:163 Resp: 86205

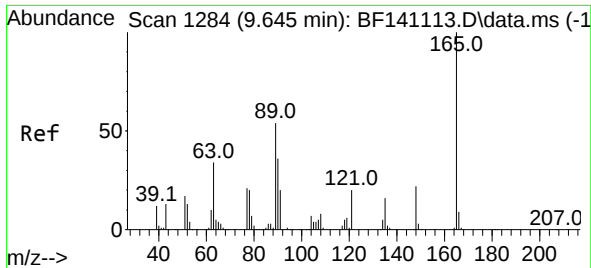
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.8 8.2 12.4

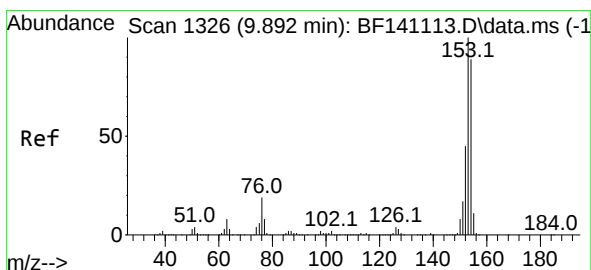
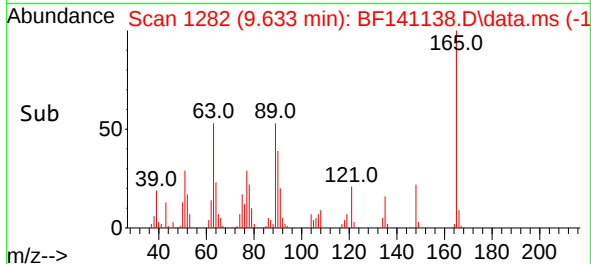
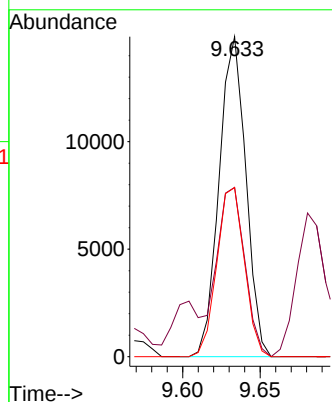
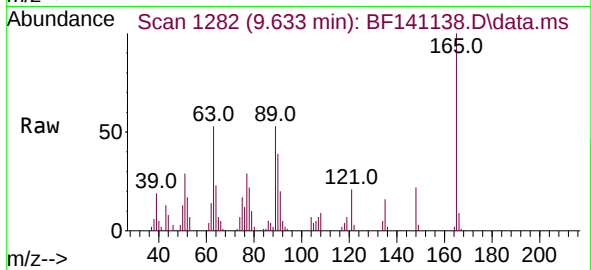




#51
2,6-Dinitrotoluene
Concen: 3.864 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

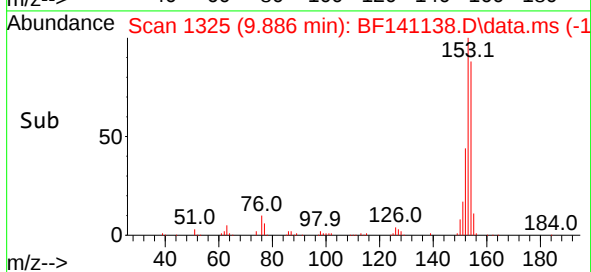
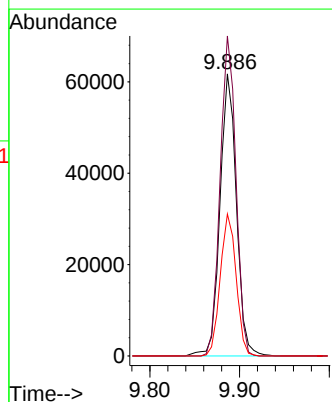
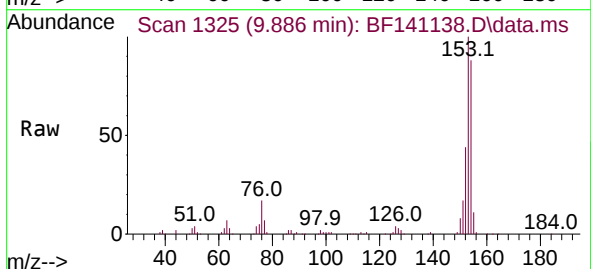
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

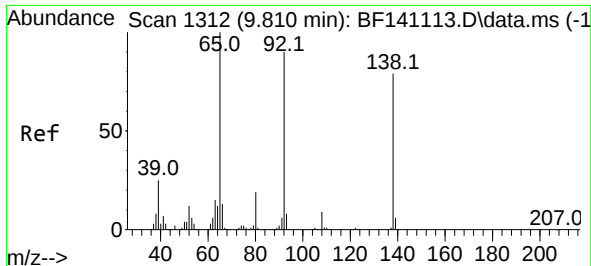
Tgt Ion:165 Resp: 17851
Ion Ratio Lower Upper
165 100
63 52.9 42.3 63.5
89 52.9 43.1 64.7



#52
Acenaphthene
Concen: 4.386 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:154 Resp: 78371
Ion Ratio Lower Upper
154 100
153 113.5 89.8 134.6
152 50.3 40.8 61.2

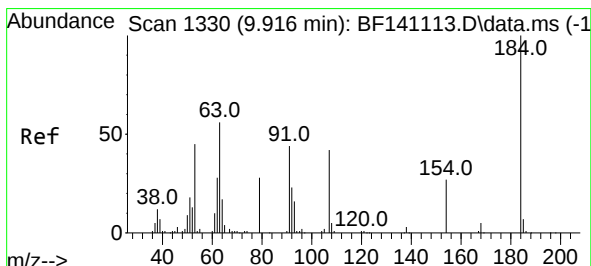
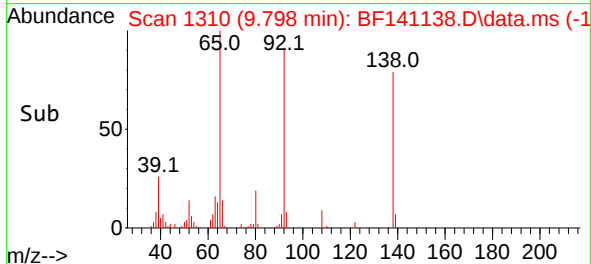
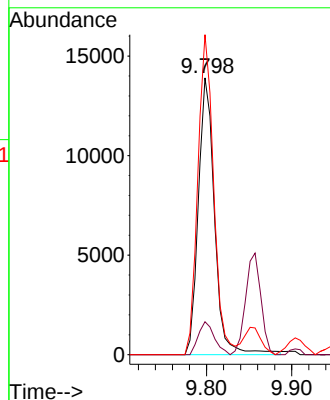
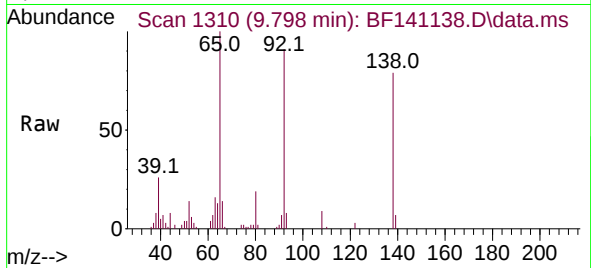




#53
3-Nitroaniline
Concen: 3.918 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

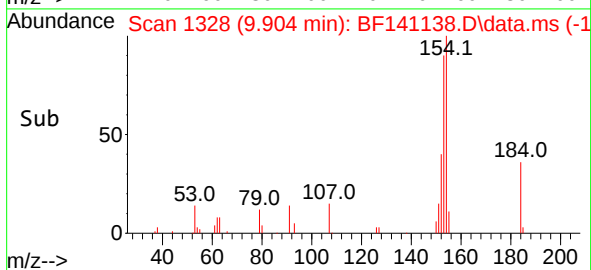
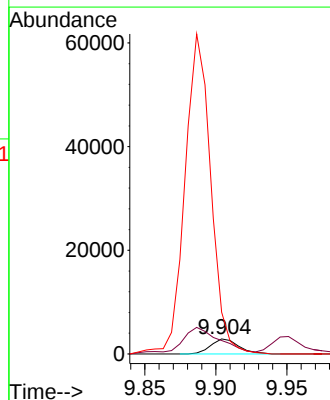
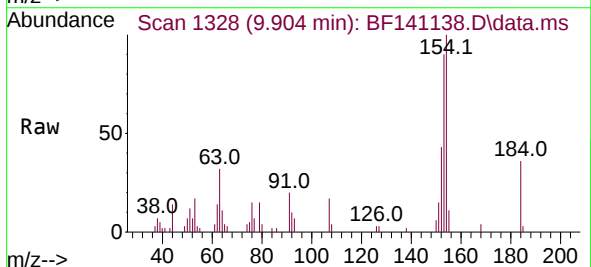
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

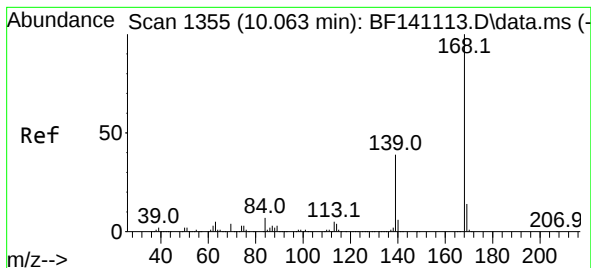
Tgt Ion:138 Resp: 18395
Ion Ratio Lower Upper
138 100
108 11.9 8.8 13.2
92 115.6 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 1.803 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:184 Resp: 3959
Ion Ratio Lower Upper
184 100
63 89.0 48.7 73.1#
154 277.6 57.1 85.7#





#55

Dibenzofuran

Concen: 4.315 ng

RT: 10.057 min Scan# 1354

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

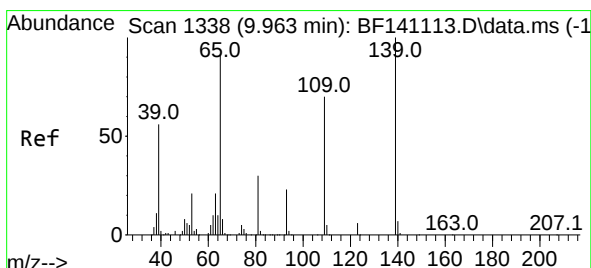
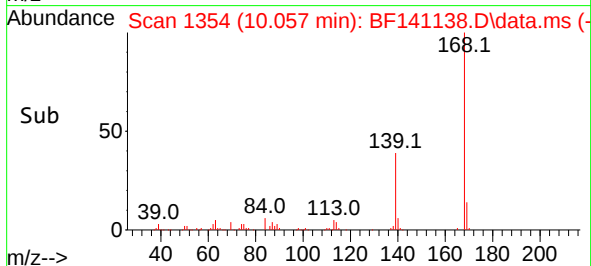
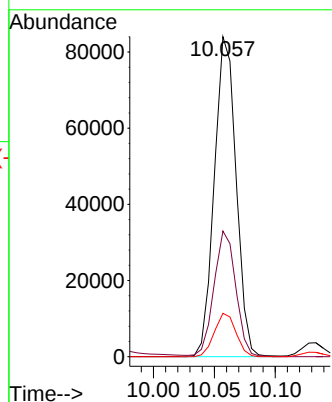
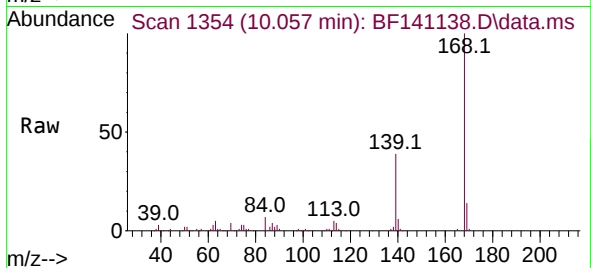
Tgt Ion:168 Resp: 104871

Ion Ratio Lower Upper

168 100

139 39.2 31.4 47.0

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 5.122 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

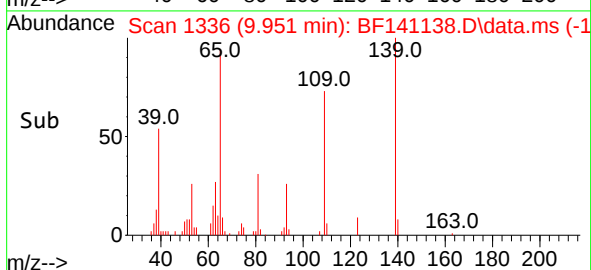
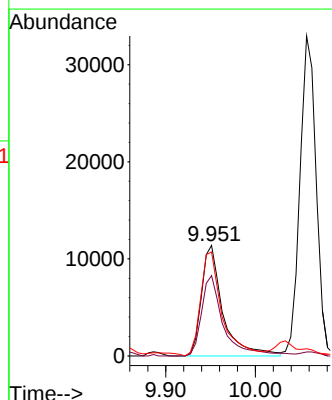
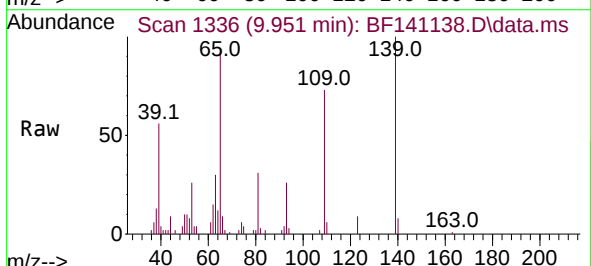
Tgt Ion:139 Resp: 18833

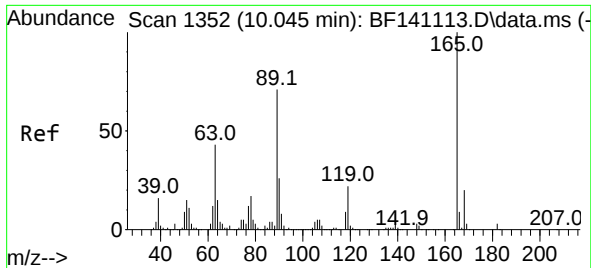
Ion Ratio Lower Upper

139 100

109 72.6 50.2 90.2

65 94.2 72.1 112.1

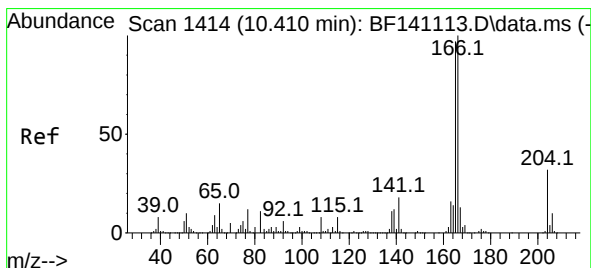
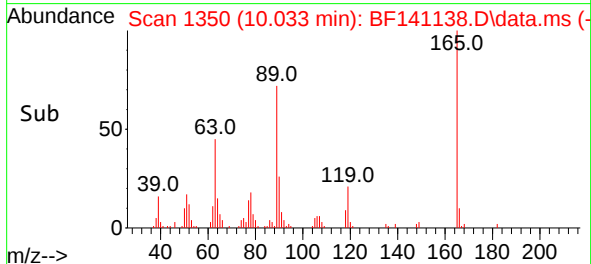
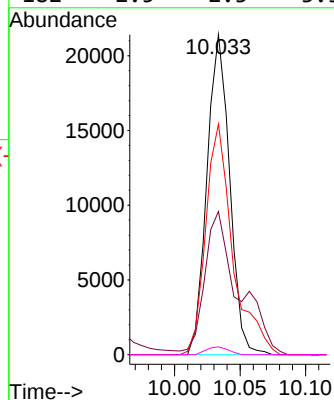
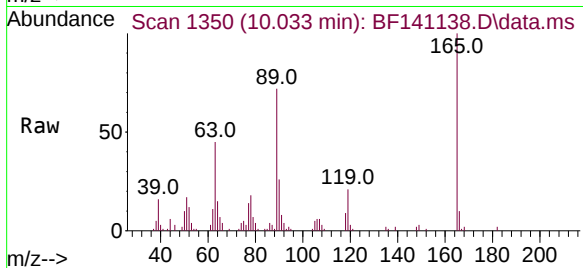




#57
2,4-Dinitrotoluene
Concen: 4.333 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

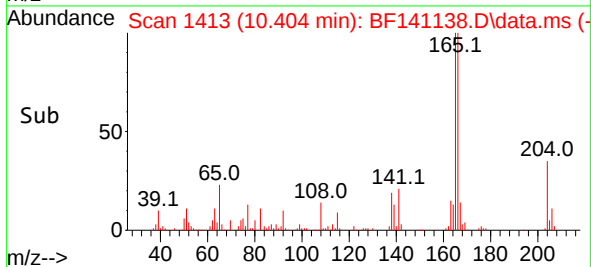
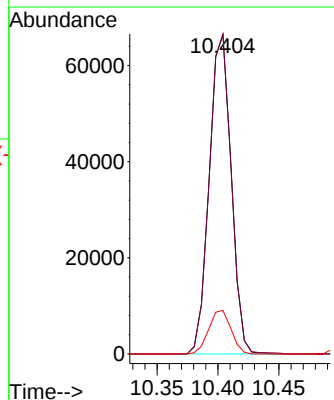
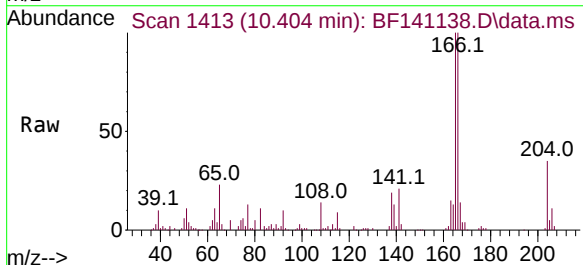
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

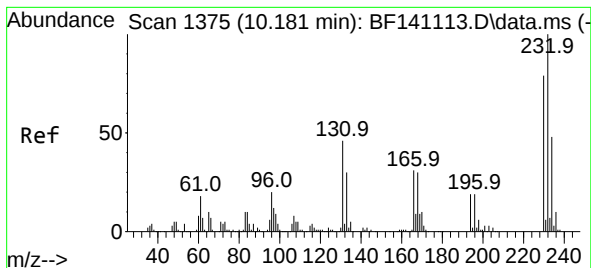
Tgt Ion:	165	Resp:	25796
Ion Ratio	Lower	Upper	
165	100		
63	44.8	35.0	52.4
89	72.0	56.7	85.1
182	2.5	2.3	3.5



#58
Fluorene
Concen: 4.400 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:	166	Resp:	83071
Ion Ratio	Lower	Upper	
166	100		
165	100.3	77.8	116.8
167	13.6	10.8	16.2

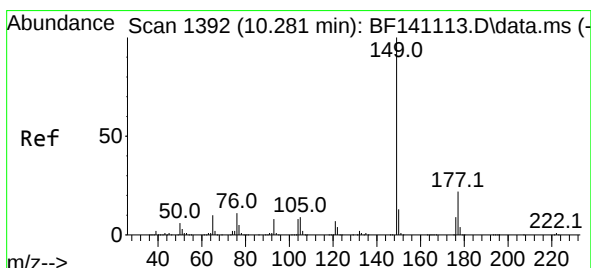
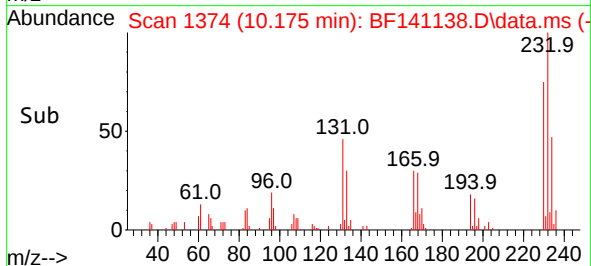
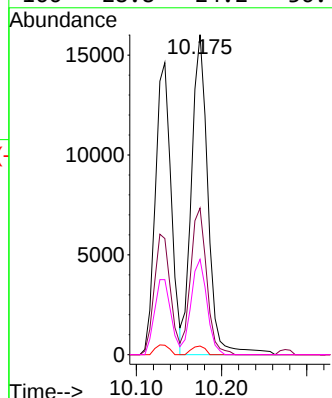
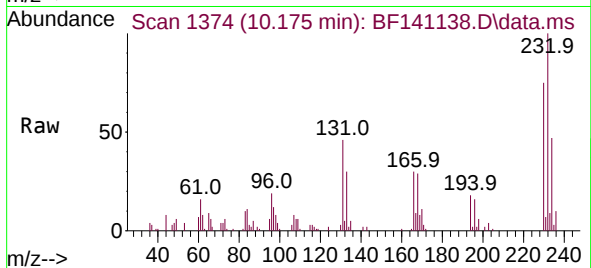




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.267 ng
RT: 10.175 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

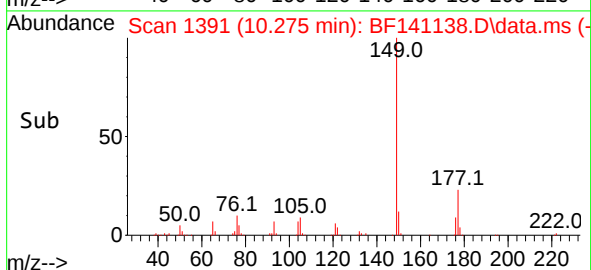
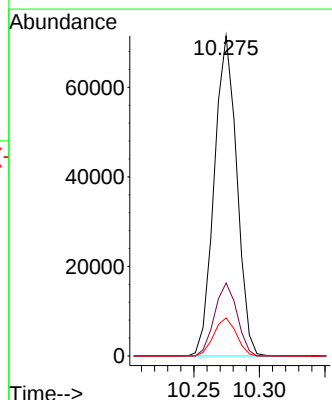
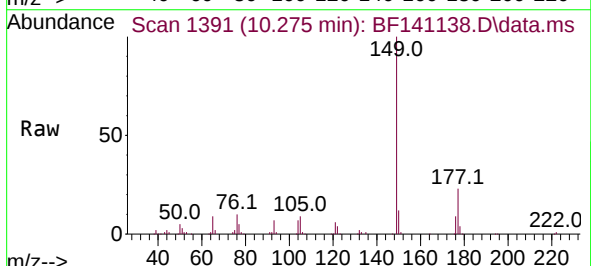
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

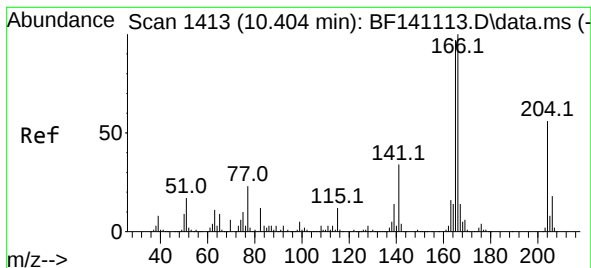
Tgt Ion:232 Resp: 21458
Ion Ratio Lower Upper
232 100
131 44.9 36.2 54.4
130 2.2 2.0 3.0
166 28.8 24.2 36.4



#60
Diethylphthalate
Concen: 4.406 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:149 Resp: 85456
Ion Ratio Lower Upper
149 100
177 22.8 17.9 26.9
150 11.9 10.2 15.2

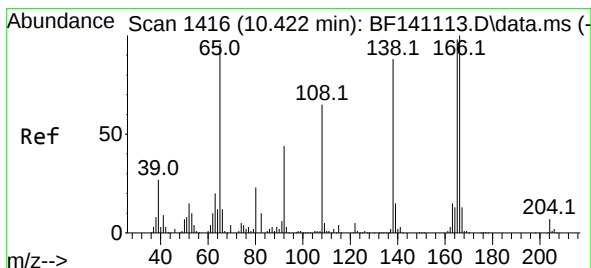
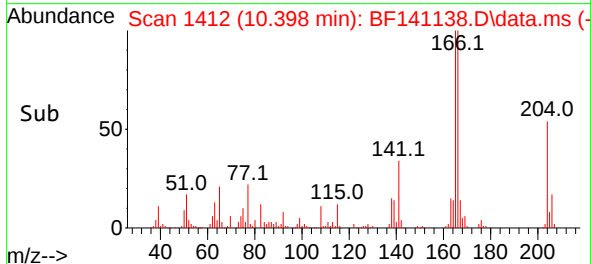
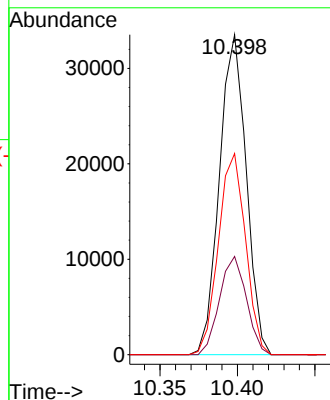
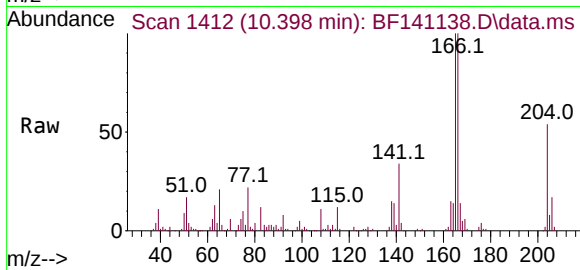




#61
4-Chlorophenyl-phenylether
Concen: 4.380 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

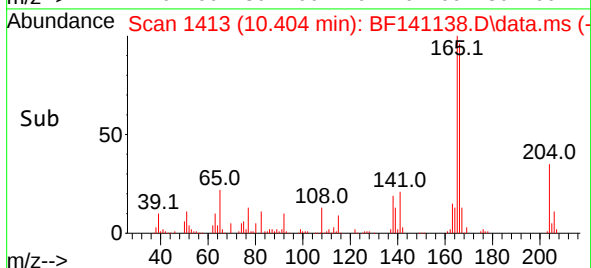
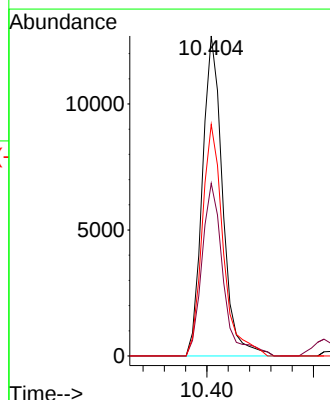
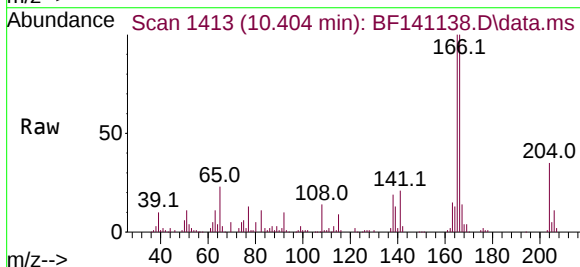
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

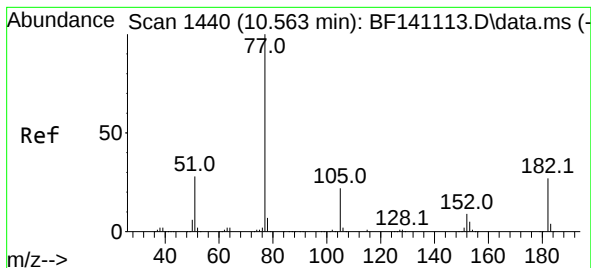
Tgt Ion:204 Resp: 40303
Ion Ratio Lower Upper
204 100
206 30.7 25.9 38.9
141 62.9 49.1 73.7



#62
4-Nitroaniline
Concen: 3.645 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:138 Resp: 16747
Ion Ratio Lower Upper
138 100
92 54.0 29.4 69.4
108 72.3 53.7 93.7





#63

Azobenzene

Concen: 4.201 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 77 Resp: 80400

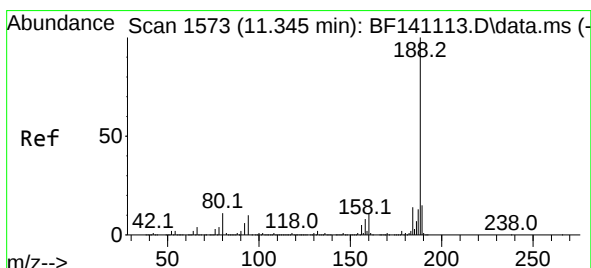
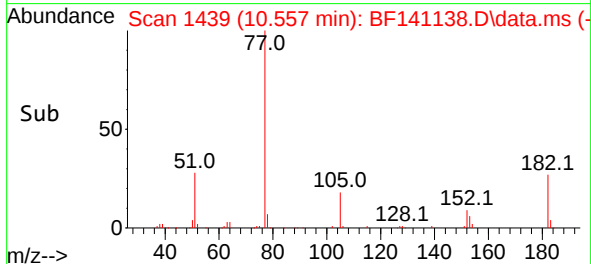
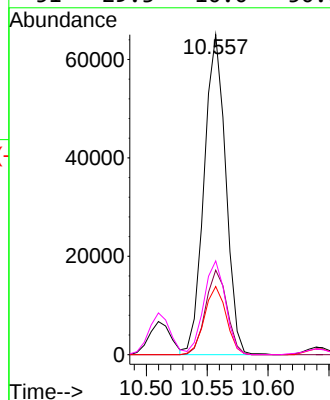
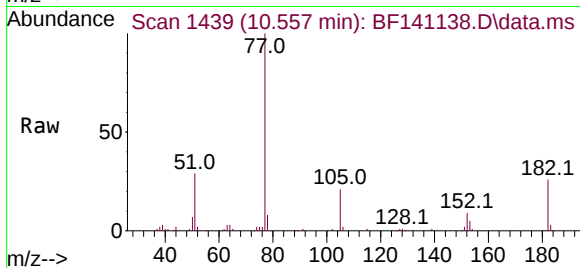
Ion Ratio Lower Upper

77 100

182 26.4 6.1 46.1

105 21.3 2.1 42.1

51 29.3 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

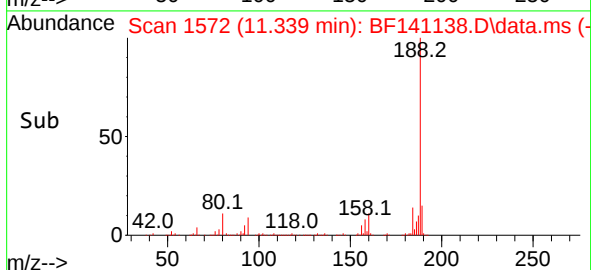
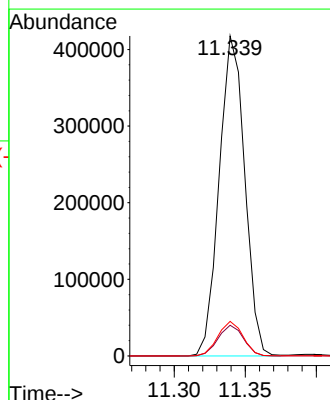
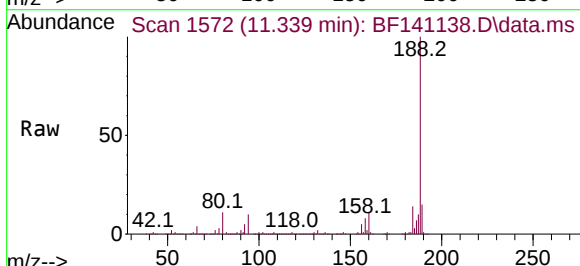
Tgt Ion:188 Resp: 522828

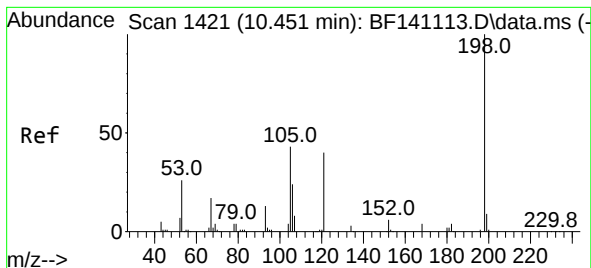
Ion Ratio Lower Upper

188 100

94 9.6 8.3 12.5

80 10.8 9.0 13.4

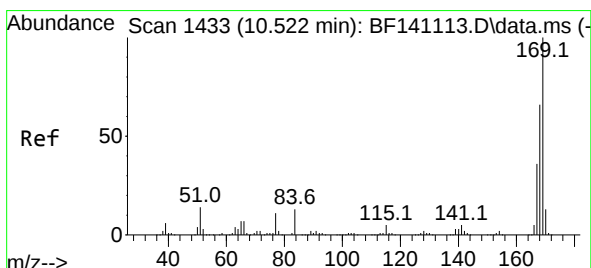
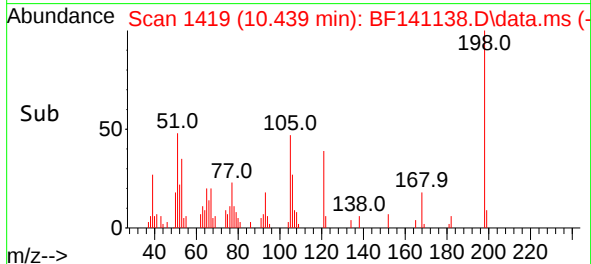
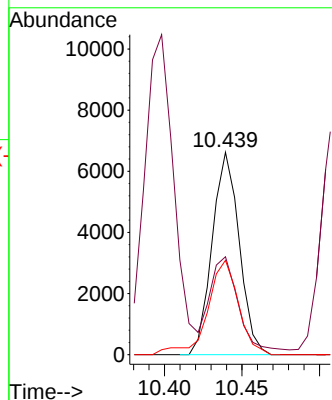
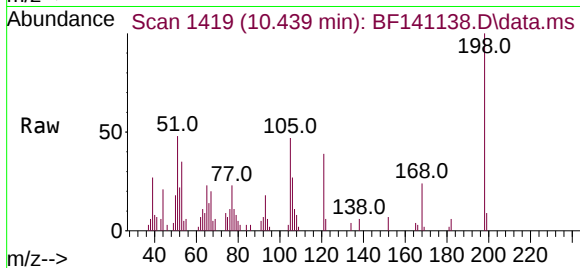




#65
4,6-Dinitro-2-methylphenol
Concen: 2.648 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

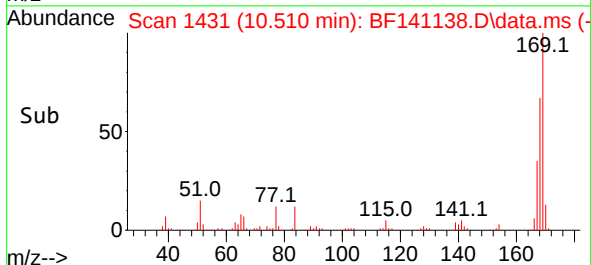
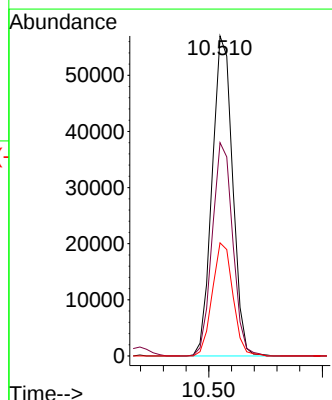
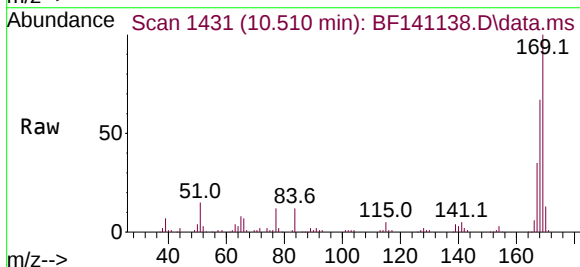
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

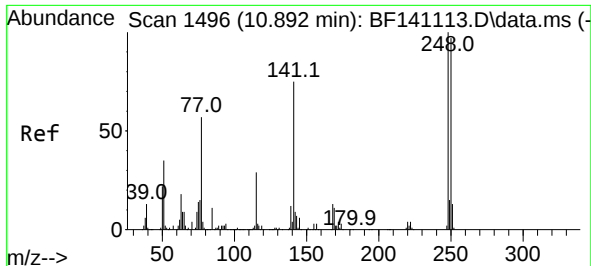
Tgt Ion:198 Resp: 8023
Ion Ratio Lower Upper
198 100
51 48.4 27.1 67.1
105 46.6 24.2 64.2



#66
n-Nitrosodiphenylamine
Concen: 4.220 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:169 Resp: 71161
Ion Ratio Lower Upper
169 100
168 66.7 52.5 78.7
167 35.3 28.9 43.3

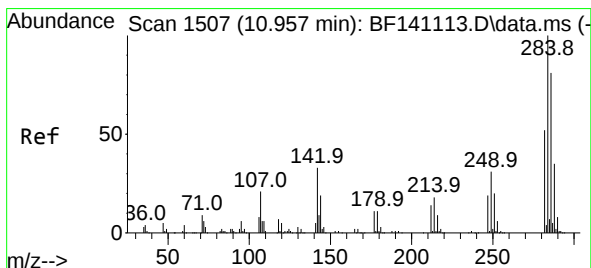
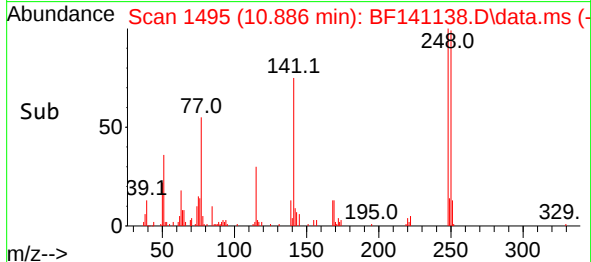
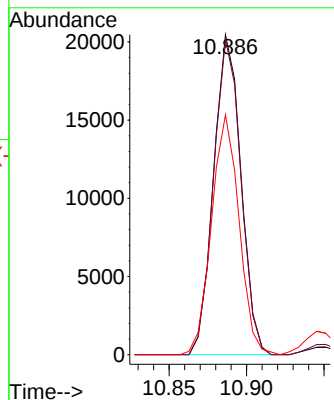
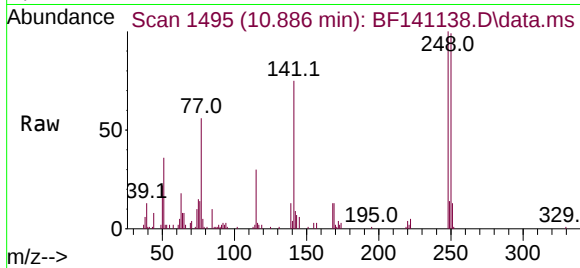




#67
4-Bromophenyl-phenylether
Concen: 4.170 ng
RT: 10.886 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

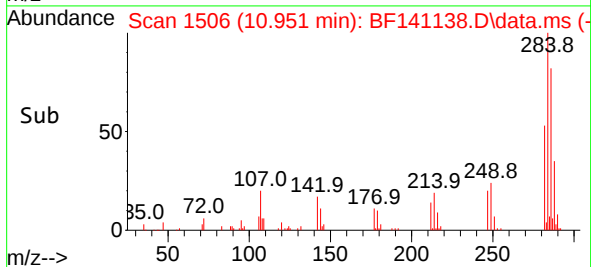
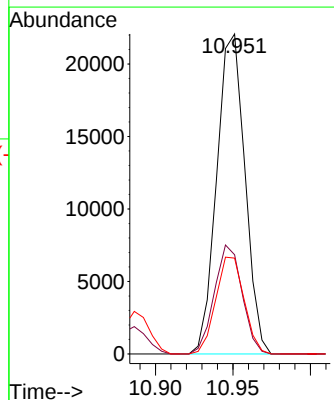
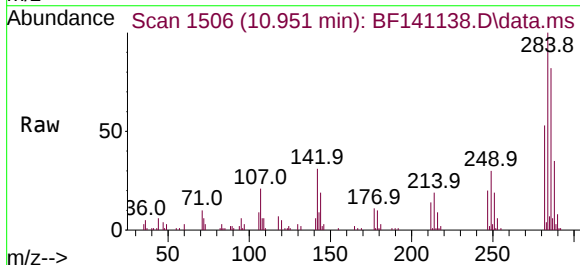
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

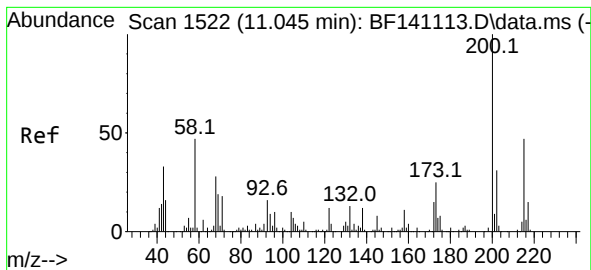
Tgt Ion:	248	Resp:	25102
Ion Ratio	Lower	Upper	
248	100		
250	98.6	77.9	116.9
141	75.0	59.9	89.9



#68
Hexachlorobenzene
Concen: 4.173 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:	284	Resp:	27965
Ion Ratio	Lower	Upper	
284	100		
142	31.0	26.3	39.5
249	29.9	24.9	37.3





#69

Atrazine

Concen: 4.913 ng

RT: 11.033 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

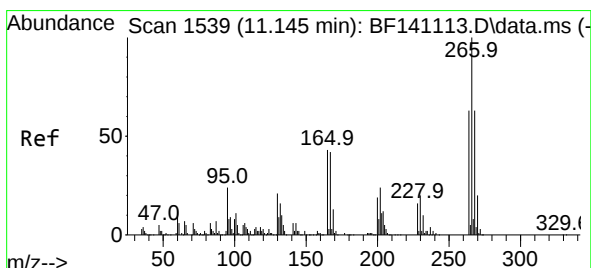
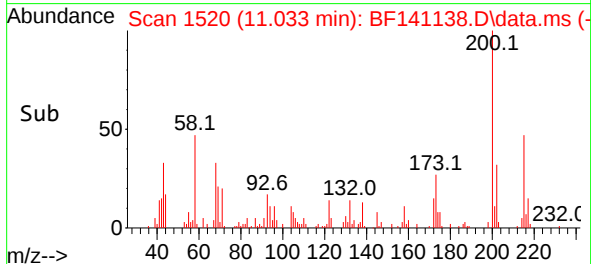
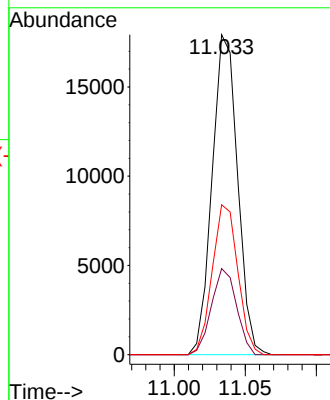
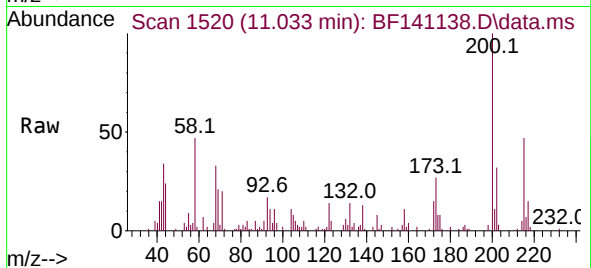
Tgt Ion:200 Resp: 22308

Ion Ratio Lower Upper

200 100

173 26.9 5.4 45.4

215 46.9 26.6 66.6



#70

Pentachlorophenol

Concen: 4.645 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

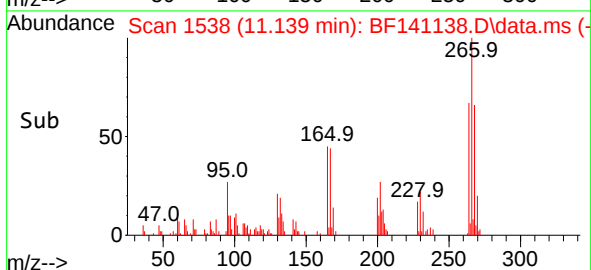
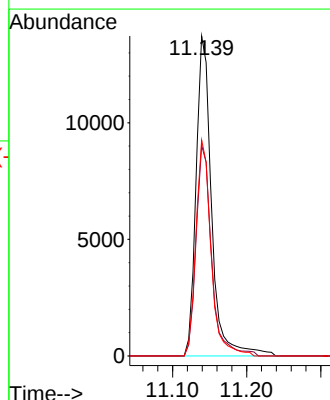
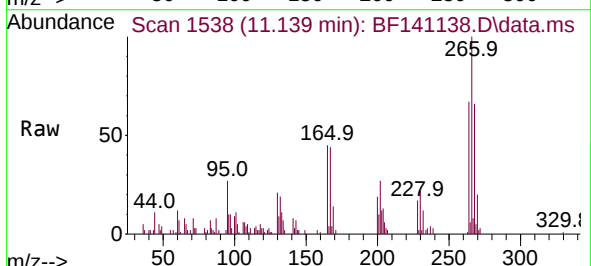
Tgt Ion:266 Resp: 19931

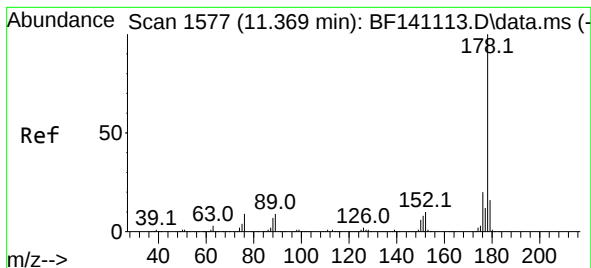
Ion Ratio Lower Upper

266 100

268 65.8 50.4 75.6

264 67.5 50.2 75.2





#71

Phenanthrene

Concen: 4.594 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

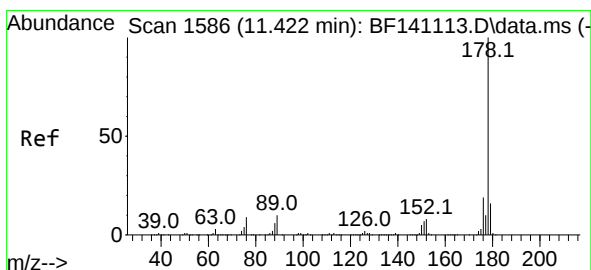
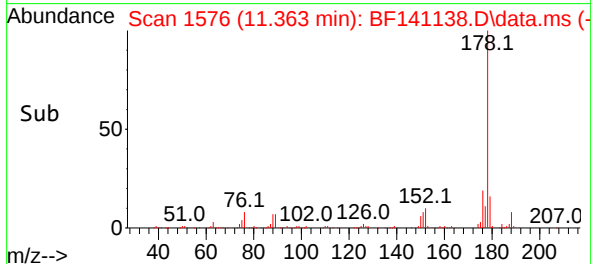
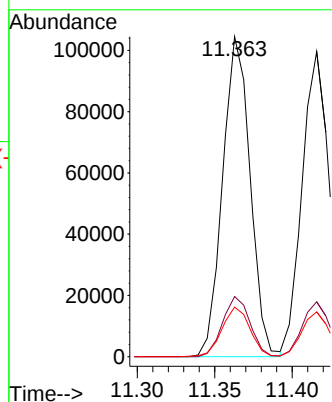
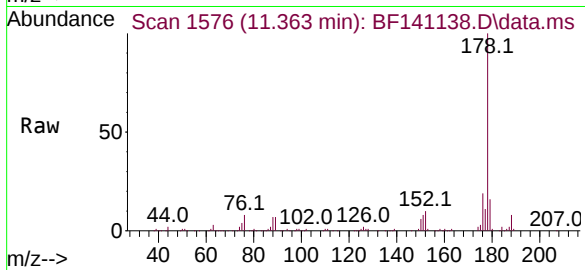
Tgt Ion:178 Resp: 128962

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 15.5 12.6 19.0



#72

Anthracene

Concen: 4.501 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

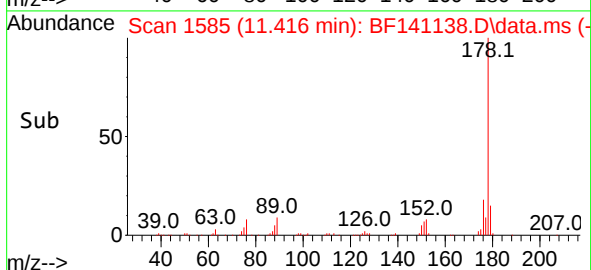
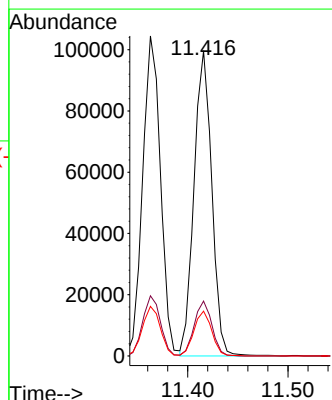
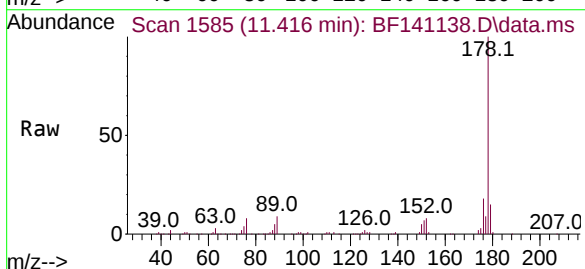
Tgt Ion:178 Resp: 122854

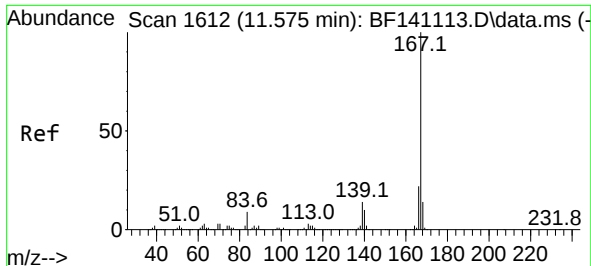
Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 14.7 12.6 19.0

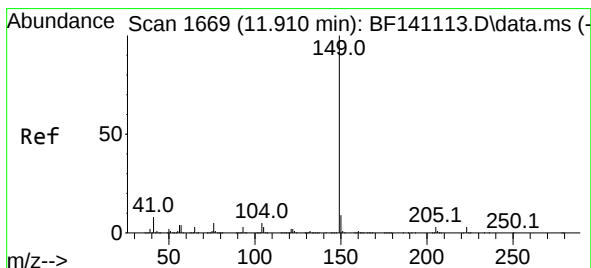
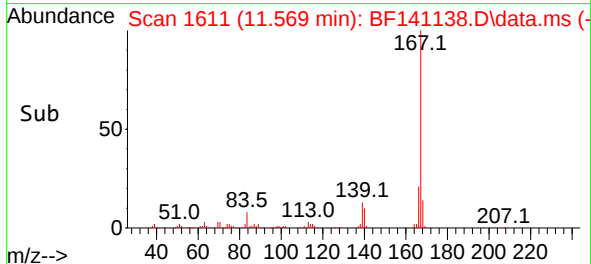
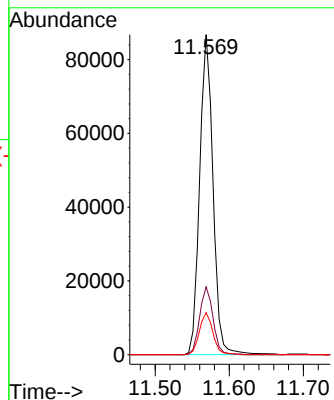
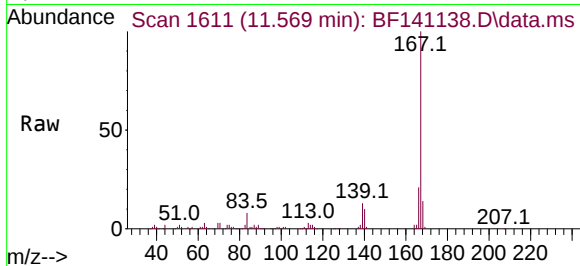




#73
Carbazole
Concen: 4.350 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

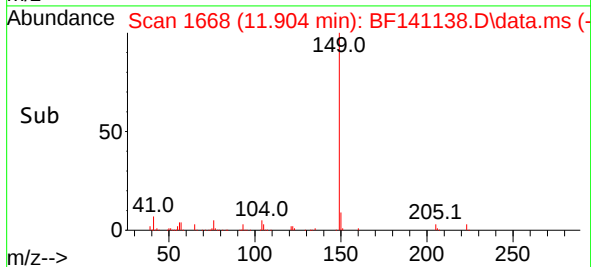
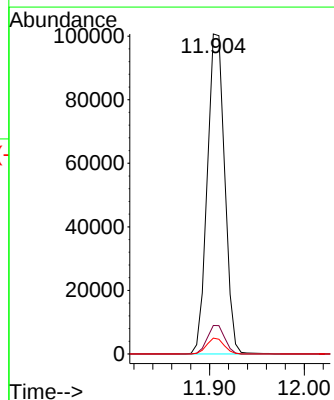
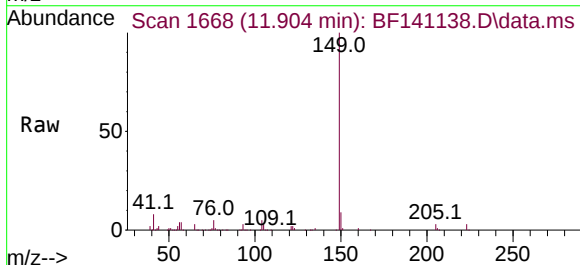
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

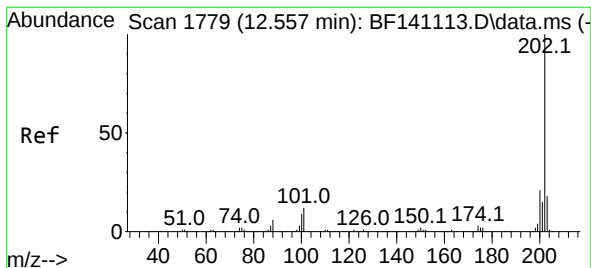
Tgt Ion:167 Resp: 108862
Ion Ratio Lower Upper
167 100
166 21.2 17.4 26.2
139 13.1 10.9 16.3



#74
Di-n-butylphthalate
Concen: 4.490 ng
RT: 11.904 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:149 Resp: 128595
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.2
104 5.0 4.2 6.2





#75

Fluoranthene

Concen: 4.585 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

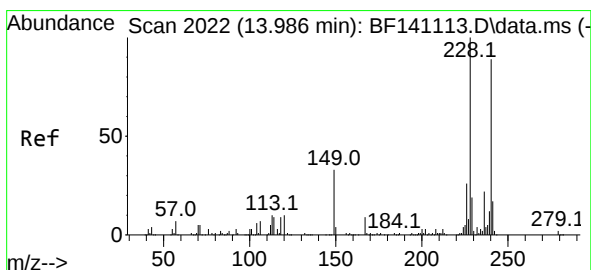
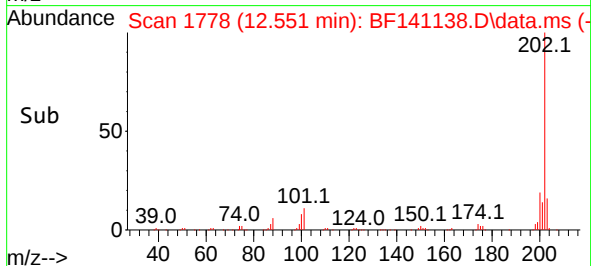
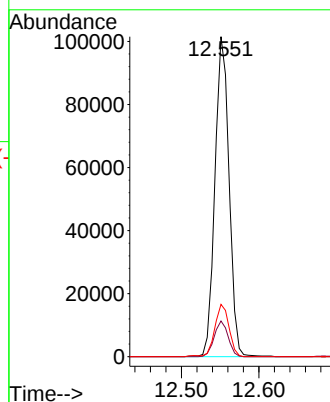
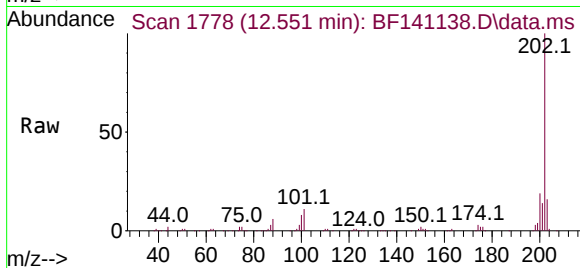
Tgt Ion:202 Resp: 128431

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.3

203 16.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

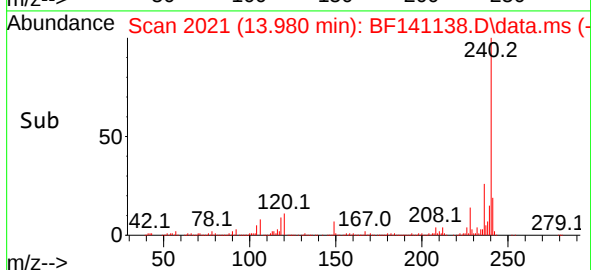
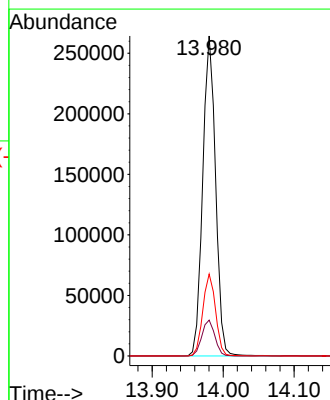
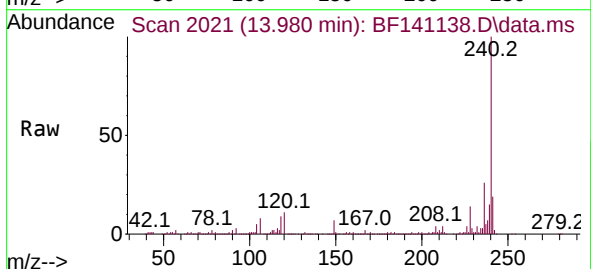
Tgt Ion:240 Resp: 333266

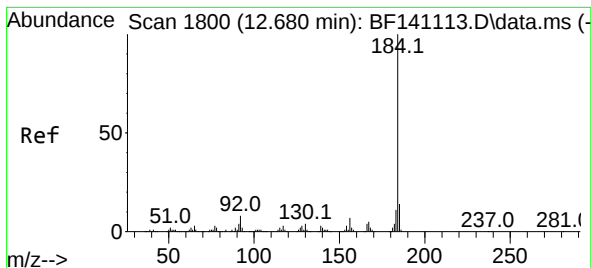
Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

236 25.6 19.8 29.6





#77

Benzidine

Concen: 3.321 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

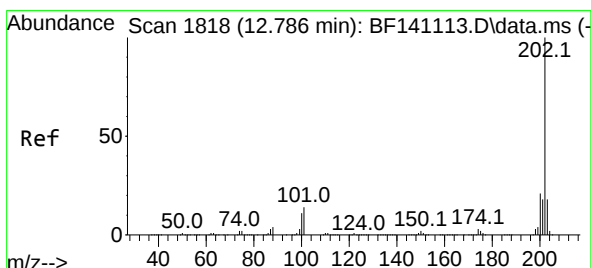
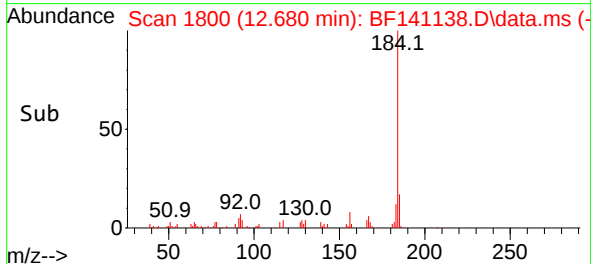
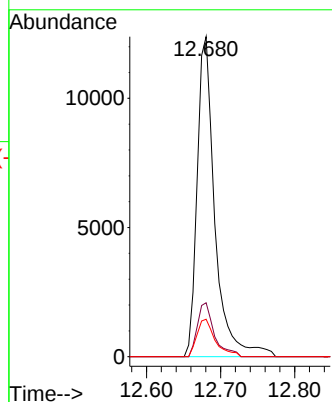
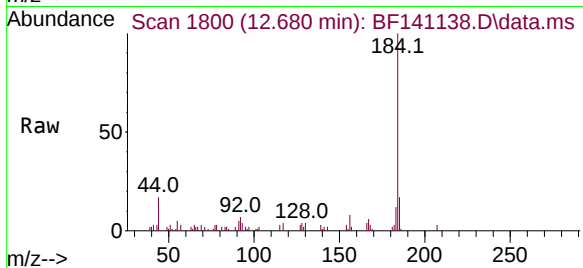
Tgt Ion:184 Resp: 20524

Ion Ratio Lower Upper

184 100

185 16.9 11.4 17.0

183 11.7 9.2 13.8



#78

Pyrene

Concen: 5.001 ng

RT: 12.780 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

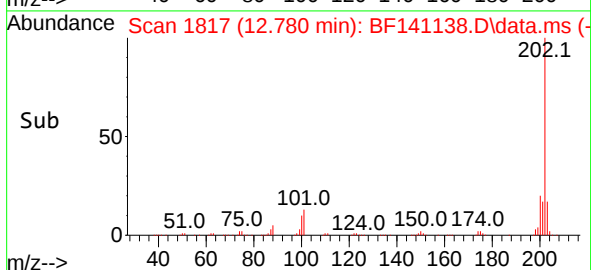
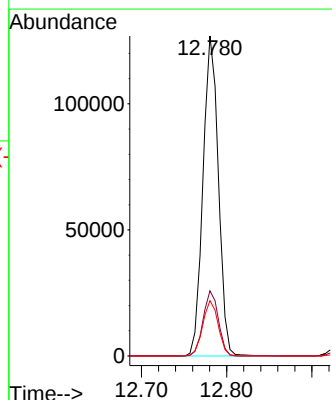
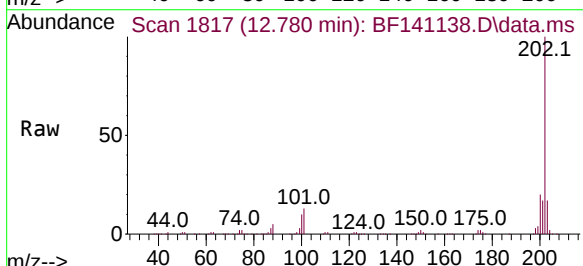
Tgt Ion:202 Resp: 159198

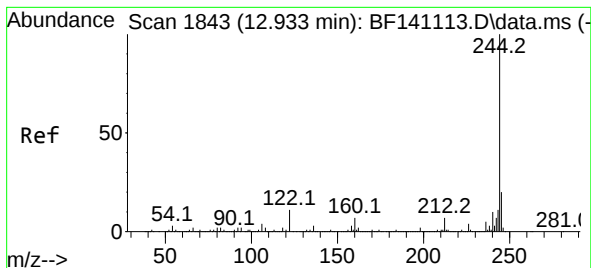
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 76.671 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

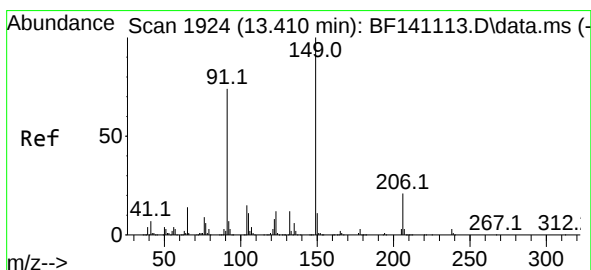
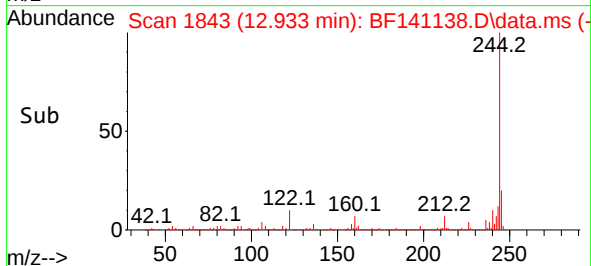
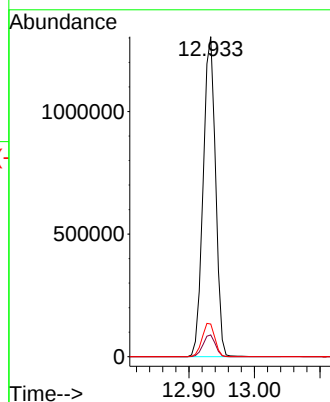
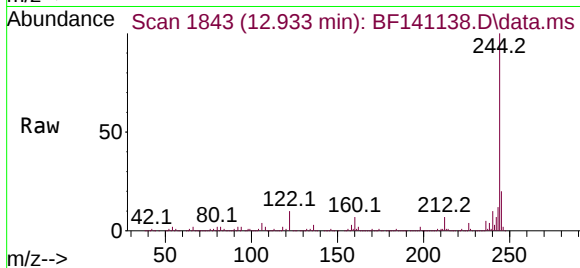
Tgt Ion:244 Resp: 1719156

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.2 8.8 13.2



#80

Butylbenzylphthalate

Concen: 3.870 ng

RT: 13.404 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

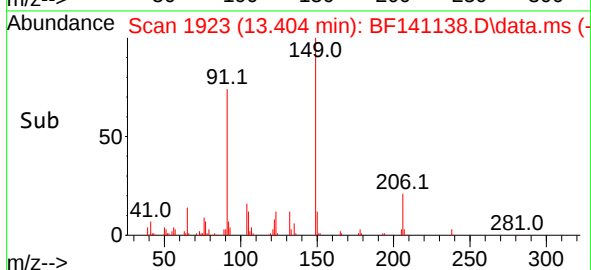
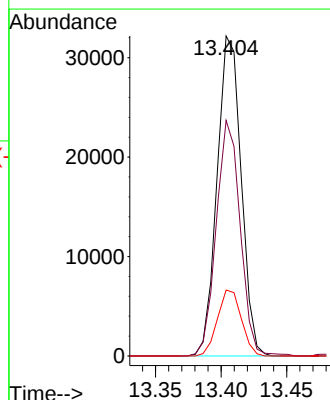
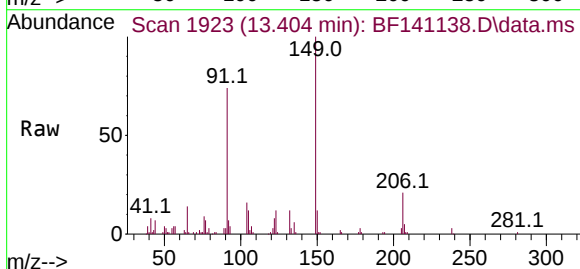
Tgt Ion:149 Resp: 41066

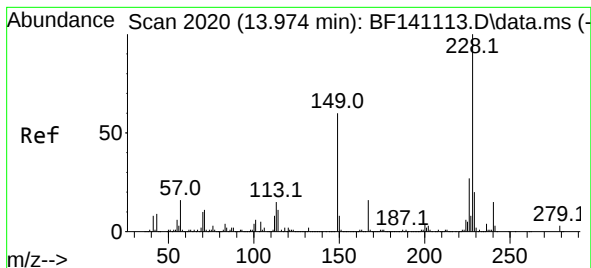
Ion Ratio Lower Upper

149 100

91 73.6 59.0 88.6

206 20.6 16.5 24.7





#81

Benzo(a)anthracene

Concen: 4.136 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

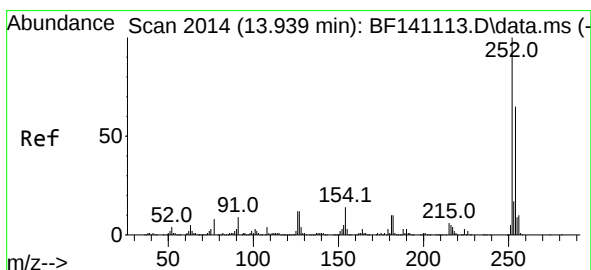
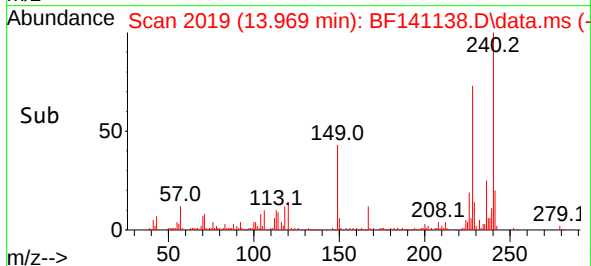
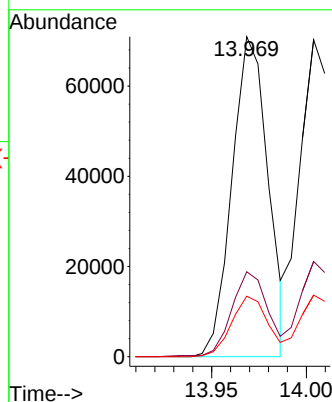
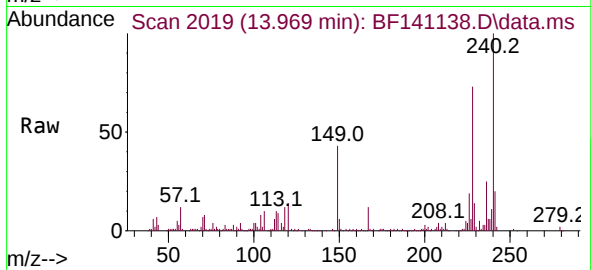
Tgt Ion:228 Resp: 93796

Ion Ratio Lower Upper

228 100

226 26.5 21.7 32.5

229 18.9 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 3.395 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

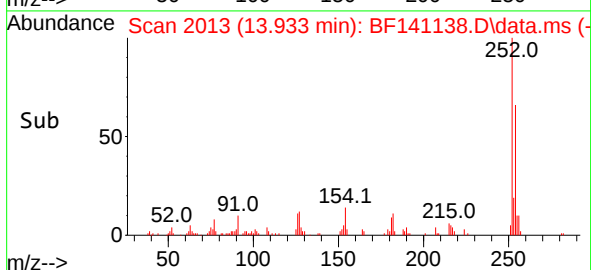
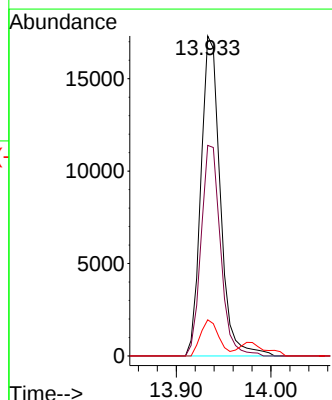
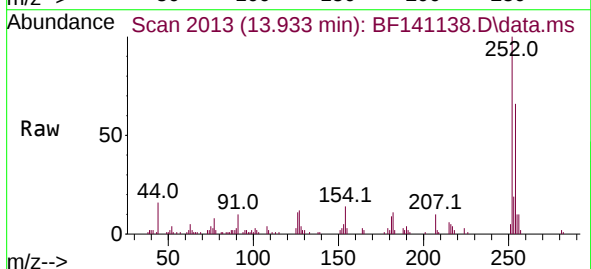
Tgt Ion:252 Resp: 24518

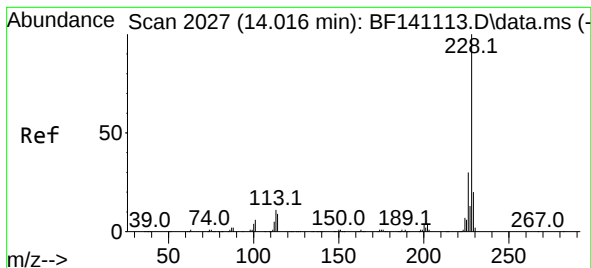
Ion Ratio Lower Upper

252 100

254 65.8 52.0 78.0

126 11.3 9.4 14.0





#83

Chrysene

Concen: 4.234 ng

RT: 14.004 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

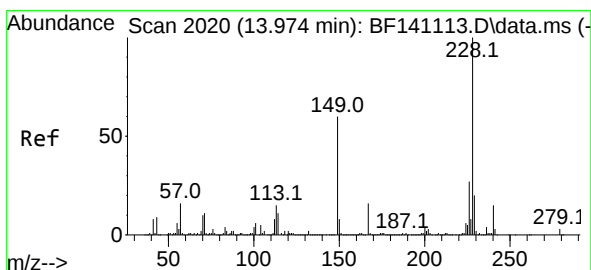
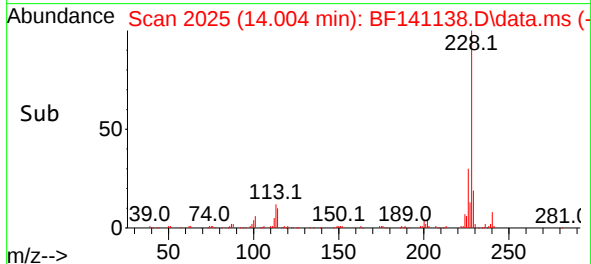
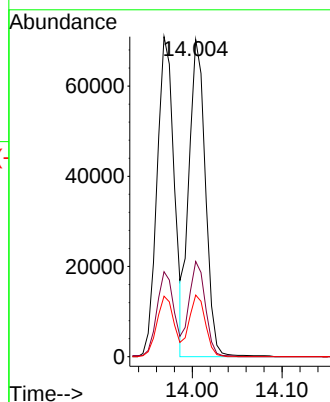
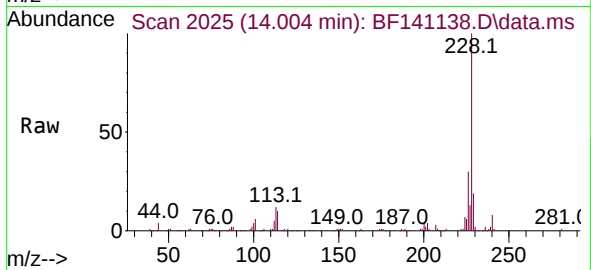
Tgt Ion:228 Resp: 89845

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.152 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

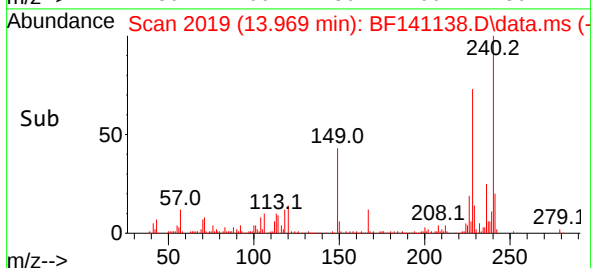
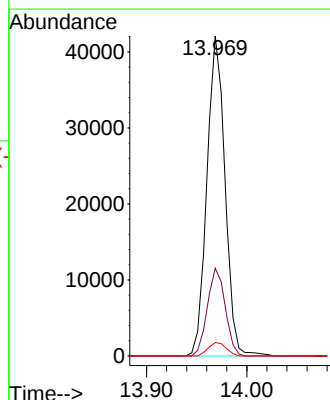
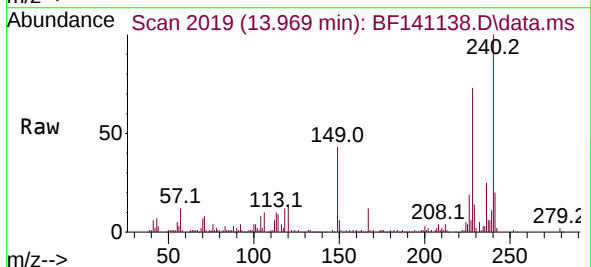
Tgt Ion:149 Resp: 52872

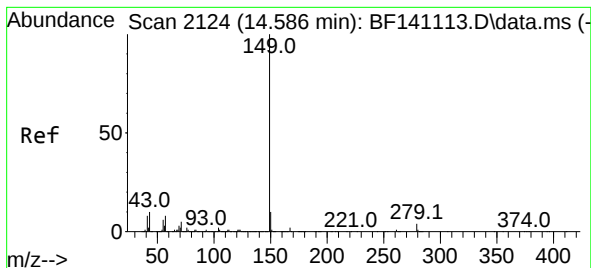
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.2

279 4.2 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 3.390 ng

RT: 14.586 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 14 Jan 2025 11:53

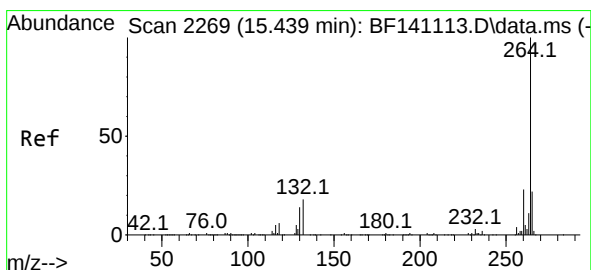
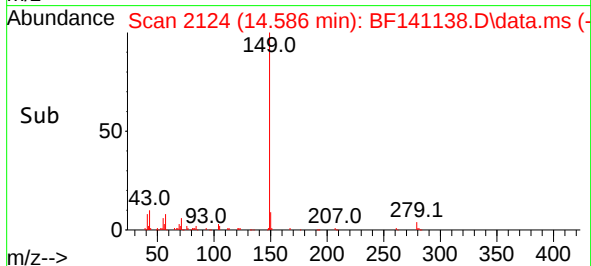
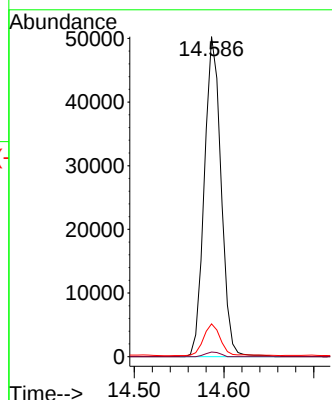
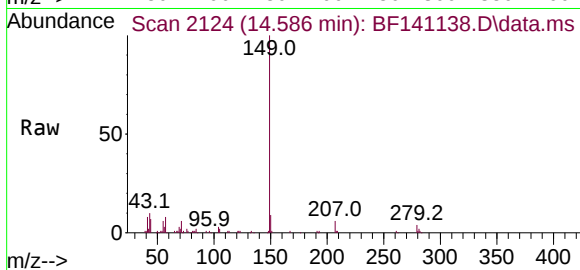
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:	149	Resp:	65178
Ion Ratio	Lower	Upper	
149	100		
167	1.3	1.3	1.9
43	10.0	8.4	12.6



#86

Perylene-d12

Concen: 20.000 ng

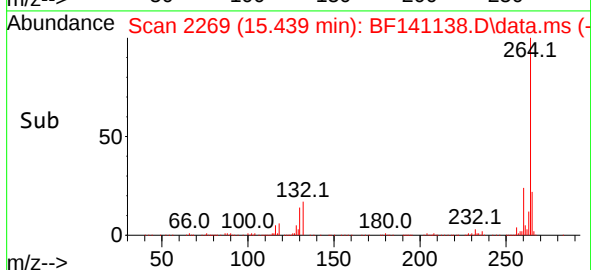
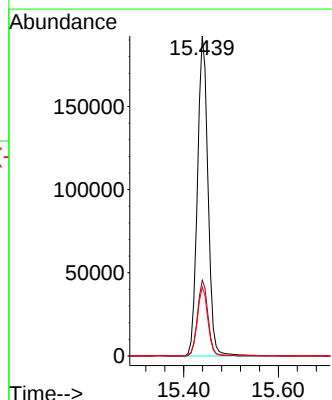
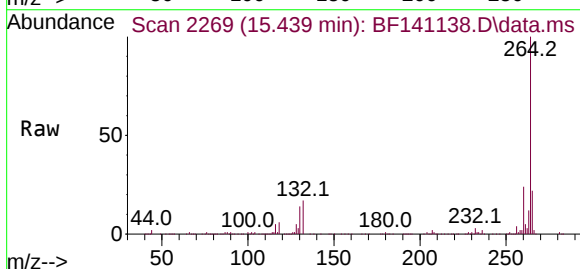
RT: 15.439 min Scan# 2269

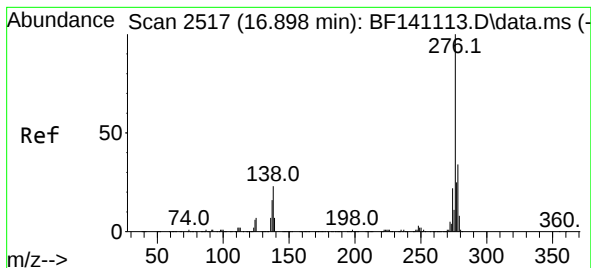
Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 14 Jan 2025 11:53

Tgt Ion:	264	Resp:	297044
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	28.0
265	21.5	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.945 ng

RT: 16.886 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

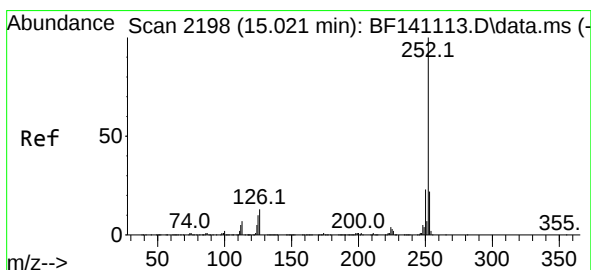
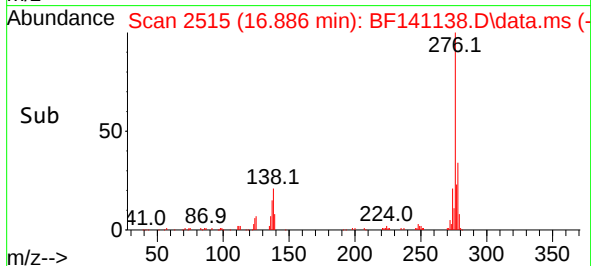
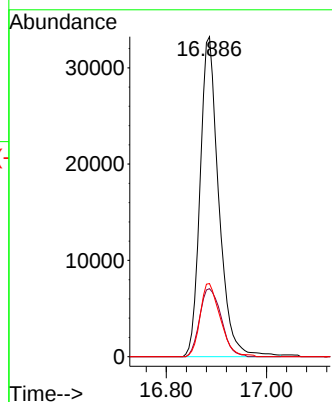
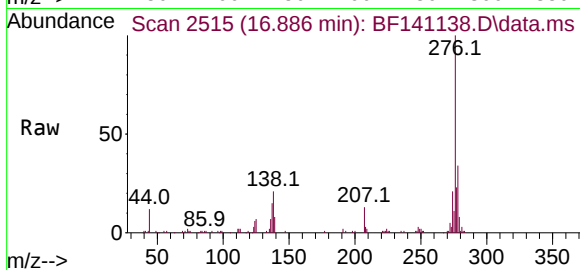
Tgt Ion:276 Resp: 85853

Ion Ratio Lower Upper

276 100

138 24.5 20.7 31.1

277 24.7 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 3.704 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

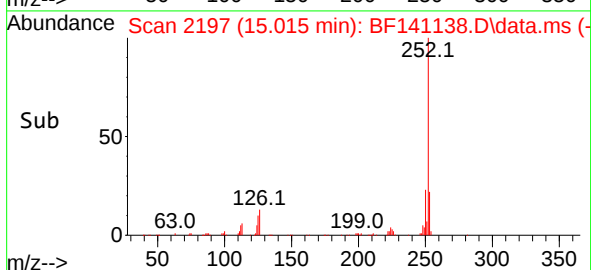
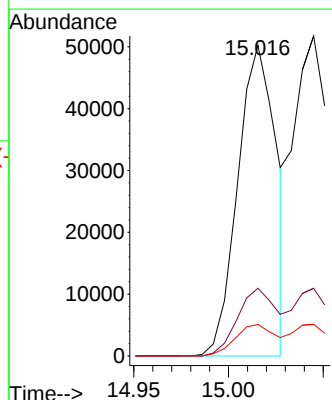
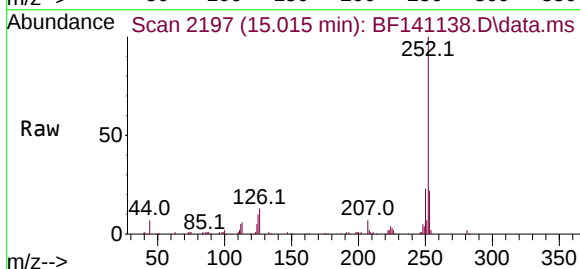
Tgt Ion:252 Resp: 70956

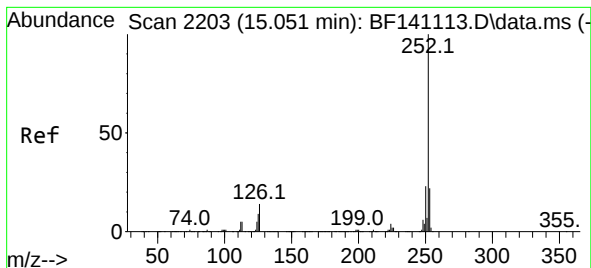
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.2 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 4.692 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

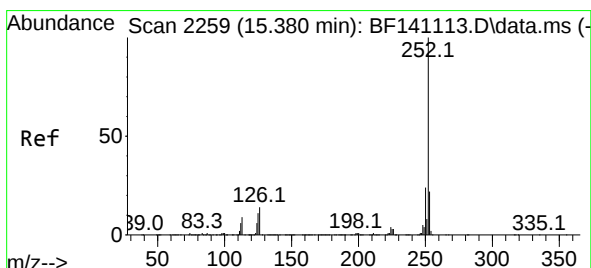
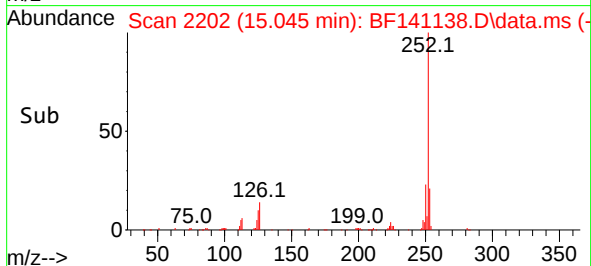
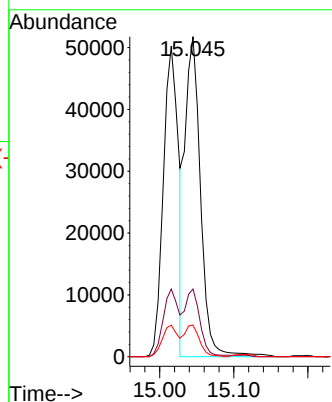
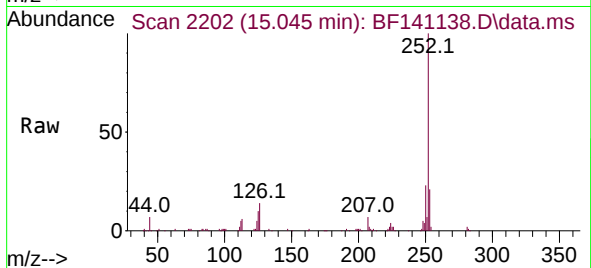
Tgt Ion:252 Resp: 75945

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 9.9 7.9 11.9



#90

Benzo(a)pyrene

Concen: 4.139 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141138.D

Acq: 14 Jan 2025 11:53

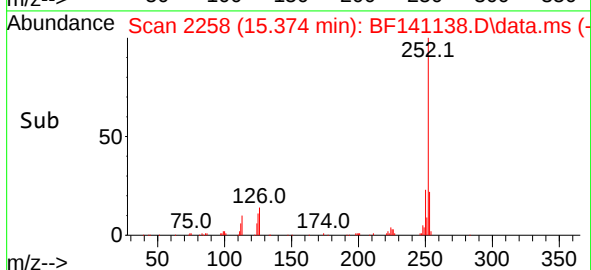
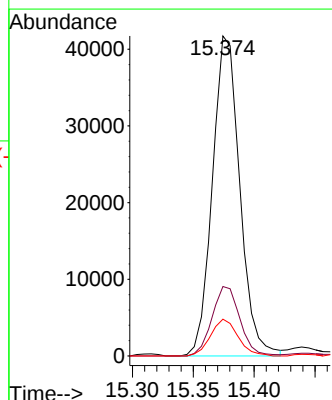
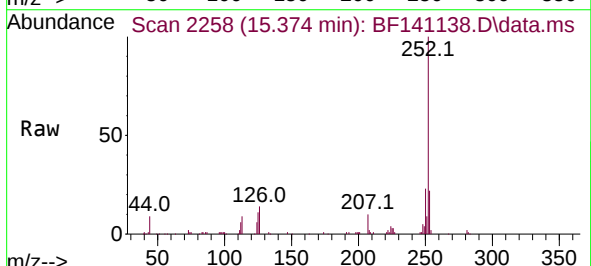
Tgt Ion:252 Resp: 65416

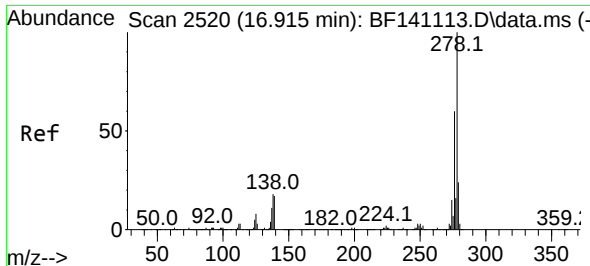
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.5 9.1 13.7

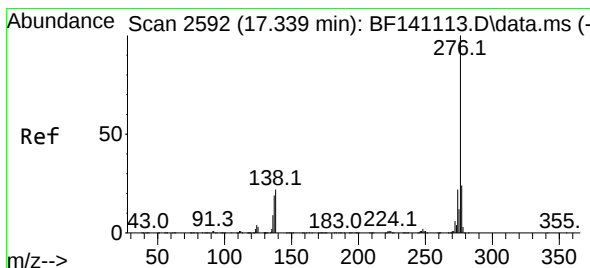
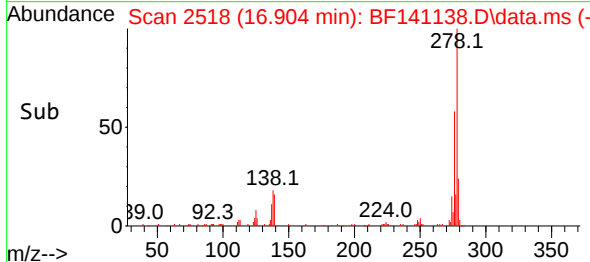
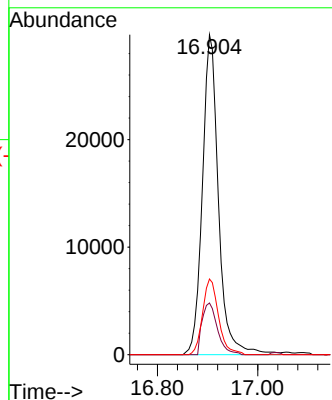
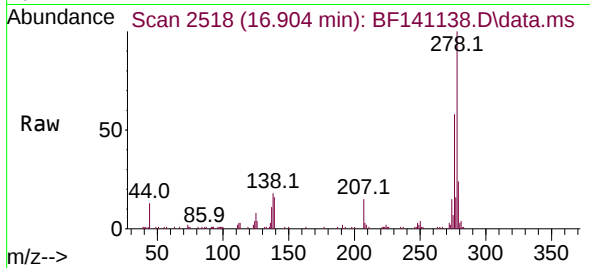




#91
Dibenzo(a,h)anthracene
Concen: 3.772 ng
RT: 16.904 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:278 Resp: 66385
Ion Ratio Lower Upper
278 100
139 16.1 13.8 20.6
279 23.7 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 3.690 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.018 min
Lab File: BF141138.D
Acq: 14 Jan 2025 11:53

Tgt Ion:276 Resp: 67562
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.4
138 20.3 17.4 26.2

