

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110624\
 Data File : BF140255.D
 Acq On : 06 Nov 2024 13:34
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Nov 06 14:01:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	165212	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	623318	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	378192	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	670348	20.000	ng	0.00
76) Chrysene-d12	14.062	240	422007	20.000	ng	0.00
86) Perylene-d12	15.574	264	370601	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1106390	110.980	ng	0.00
7) Phenol-d6	6.504	99	1422794	110.957	ng	0.00
23) Nitrobenzene-d5	7.439	82	999191	79.699	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	436742	116.831	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1827380	77.156	ng	0.00
79) Terphenyl-d14	12.992	244	1978421	76.798	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	48571	10.597	ng	96
3) Pyridine	3.463	79	108960	9.743	ng	95
4) n-Nitrosodimethylamine	3.369	42	60267	9.334	ng	97
6) Aniline	6.539	93	153355	13.237	ng	97
8) 2-Chlorophenol	6.663	128	114653	10.992	ng	99
9) Benzaldehyde	6.428	77	100450	12.717	ng	98
10) Phenol	6.516	94	144922	10.641	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	111039	10.733	ng	98
12) 1,3-Dichlorobenzene	6.816	146	128868	10.543	ng	98
13) 1,4-Dichlorobenzene	6.892	146	130054	10.549	ng	99
14) 1,2-Dichlorobenzene	7.045	146	121939	10.590	ng	98
15) Benzyl Alcohol	7.010	79	116044	11.739	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	178712	10.672	ng	99
17) 2-Methylphenol	7.116	107	91346	10.498	ng	97
18) Hexachloroethane	7.386	117	45867	9.988	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	86746	10.604	ng	97
20) 3+4-Methylphenols	7.269	107	117708	10.771	ng	92
22) Acetophenone	7.281	105	168559	10.907	ng	# 91
24) Nitrobenzene	7.457	77	131787	10.018	ng	98
25) Isophorone	7.686	82	226153	10.476	ng	100
26) 2-Nitrophenol	7.769	139	53005	10.129	ng	99
27) 2,4-Dimethylphenol	7.798	122	74475	10.461	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	137449	10.640	ng	99
29) 2,4-Dichlorophenol	8.004	162	94255	10.702	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	109691	10.394	ng	98
31) Naphthalene	8.175	128	339645	10.552	ng	99
32) Benzoic acid	7.863	122	31735	5.432	ng	98
33) 4-Chloroaniline	8.222	127	128378	12.115	ng	97
34) Hexachlorobutadiene	8.292	225	69982	9.797	ng	99
35) Caprolactam	8.563	113	27700	10.339	ng	96
36) 4-Chloro-3-methylphenol	8.698	107	101881	10.390	ng	96
37) 2-Methylnaphthalene	8.869	142	229307	10.916	ng	99
38) 1-Methylnaphthalene	8.969	142	214371	10.411	ng	98
40) 1,2,4,5-Tetrachloroben...	9.033	216	118191	10.675	ng	99
41) Hexachlorocyclopentadiene	9.022	237	34867	11.239	ng	97
43) 2,4,6-Trichlorophenol	9.145	196	67071	9.776	ng	99

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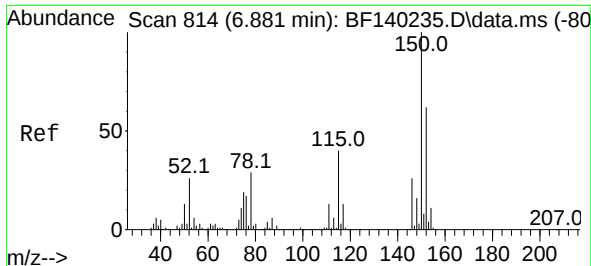
Quant Time: Nov 06 14:01:16 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	70005	9.704	ng	98
46) 1,1'-Biphenyl	9.333	154	294009	10.755	ng	98
47) 2-Chloronaphthalene	9.357	162	208995	10.158	ng	98
48) 2-Nitroaniline	9.451	65	65723	9.552	ng	97
49) Acenaphthylene	9.775	152	334638	11.488	ng	98
50) Dimethylphthalate	9.627	163	243388	10.450	ng	100
51) 2,6-Dinitrotoluene	9.692	165	52303	9.553	ng	99
52) Acenaphthene	9.945	154	206363	9.988	ng	98
53) 3-Nitroaniline	9.863	138	53976	10.470	ng	95
54) 2,4-Dinitrophenol	9.969	184	9640	9.444	ng	91
55) Dibenzofuran	10.116	168	312642	10.821	ng	98
56) 4-Nitrophenol	10.016	139	30116	8.308	ng	94
57) 2,4-Dinitrotoluene	10.092	165	68165	9.595	ng	97
58) Fluorene	10.463	166	240583	10.461	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	58541	9.906	ng	98
60) Diethylphthalate	10.333	149	238026	10.284	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	119852	10.340	ng	97
62) 4-Nitroaniline	10.469	138	50047	9.769	ng	94
63) Azobenzene	10.616	77	247963	10.335	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	23410	6.649	ng	97
66) n-Nitrosodiphenylamine	10.574	169	207241	10.749	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	76875	10.650	ng	98
68) Hexachlorobenzene	11.010	284	84280	10.243	ng	98
69) Atrazine	11.092	200	70977	13.456	ng	99
70) Pentachlorophenol	11.204	266	32781	7.419	ng	96
71) Phenanthrene	11.427	178	349124	10.913	ng	98
72) Anthracene	11.480	178	362392	11.552	ng	98
73) Carbazole	11.633	167	299120	10.436	ng	99
74) Di-n-butylphthalate	11.963	149	361358	10.650	ng	99
75) Fluoranthene	12.616	202	354155	10.587	ng	98
77) Benzidine	12.739	184	97226	11.784	ng	97
78) Pyrene	12.845	202	363527	10.433	ng	99
80) Butylbenzylphthalate	13.468	149	129108	10.290	ng	95
81) Benzo(a)anthracene	14.051	228	286920	10.594	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	82563	9.708	ng	99
83) Chrysene	14.086	228	266469	10.507	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	183618	10.442	ng	99
85) Di-n-octyl phthalate	14.686	149	254335	9.609	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	198782	9.138	ng	99
88) Benzo(b)fluoranthene	15.133	252	227619	10.154	ng	98
89) Benzo(k)fluoranthene	15.162	252	212367	10.324	ng	99
90) Benzo(a)pyrene	15.509	252	190268	10.295	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	161538	9.026	ng	99
92) Benzo(g,h,i)perylene	17.533	276	153045	8.382	ng	99

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

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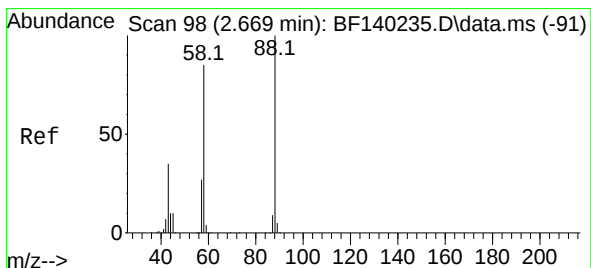
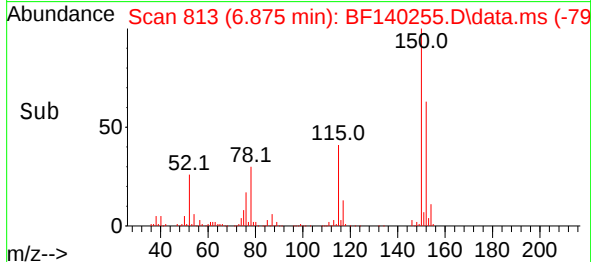
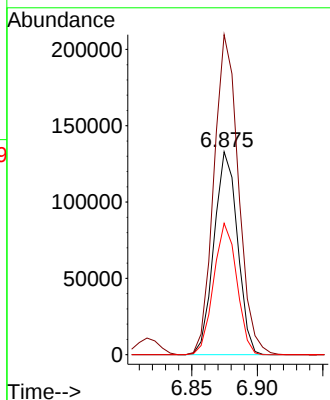
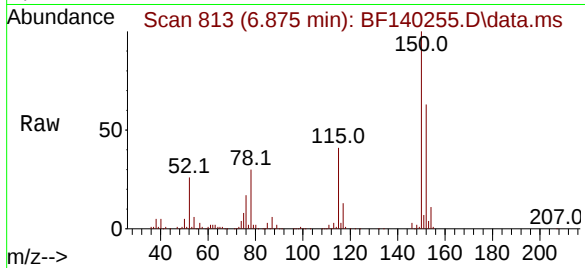




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

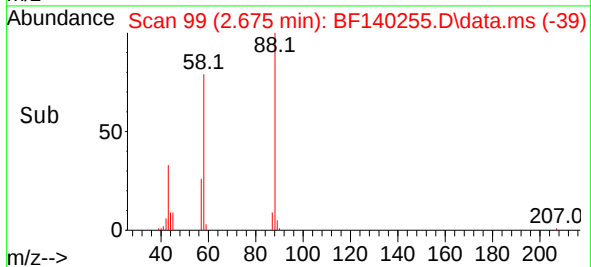
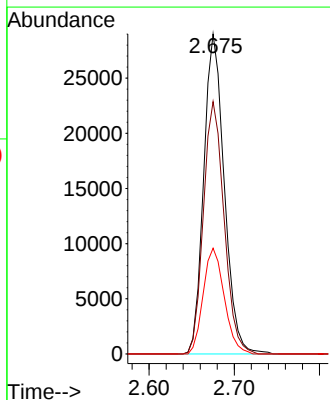
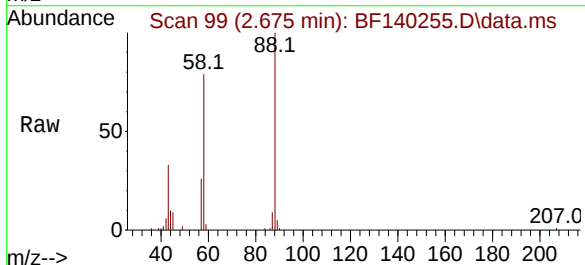
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

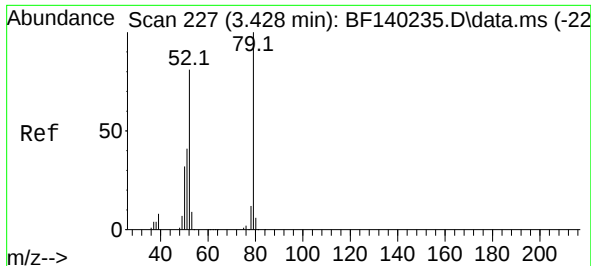
Tgt Ion:152 Resp: 165212
Ion Ratio Lower Upper
152 100
150 157.7 129.4 194.2
115 64.7 51.5 77.3



#2
1,4-Dioxane
Concen: 10.597 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion: 88 Resp: 48571
Ion Ratio Lower Upper
88 100
58 79.3 66.7 100.1
43 33.9 27.8 41.8





#3

Pyridine

Concen: 9.743 ng

RT: 3.463 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

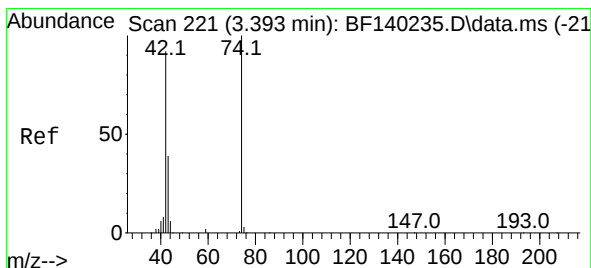
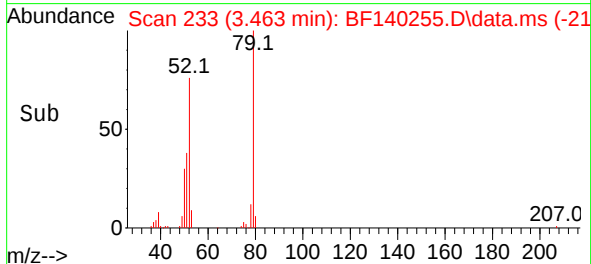
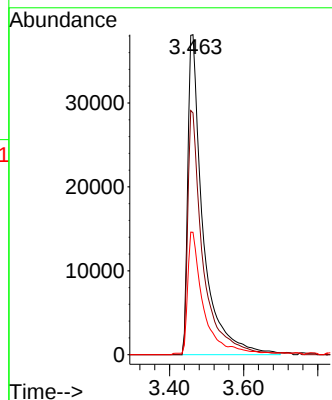
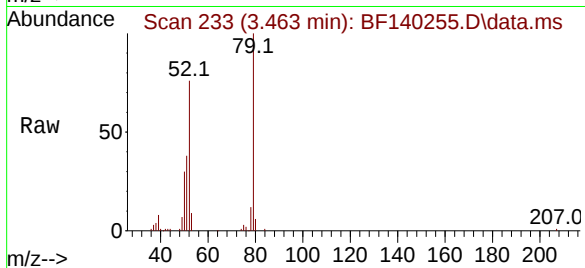
Tgt Ion: 79 Resp: 108960

Ion Ratio Lower Upper

79 100

52 75.6 64.6 97.0

51 38.2 32.5 48.7



#4

n-Nitrosodimethylamine

Concen: 9.334 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.024 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

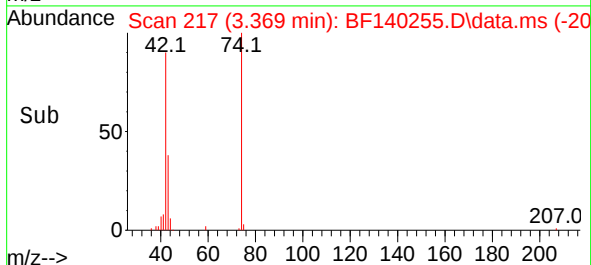
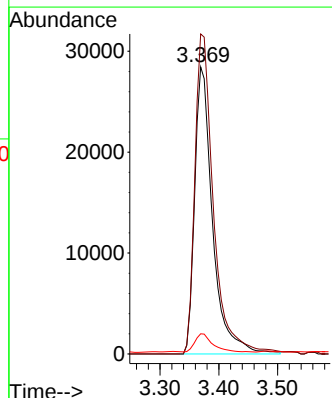
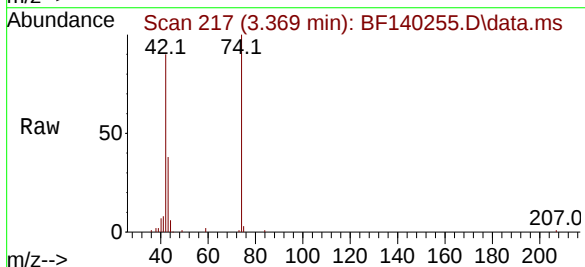
Tgt Ion: 42 Resp: 60267

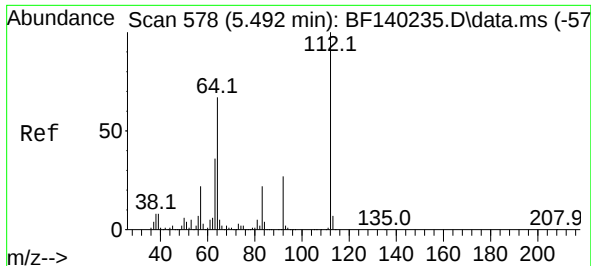
Ion Ratio Lower Upper

42 100

74 111.5 86.9 130.3

44 7.0 5.0 7.6

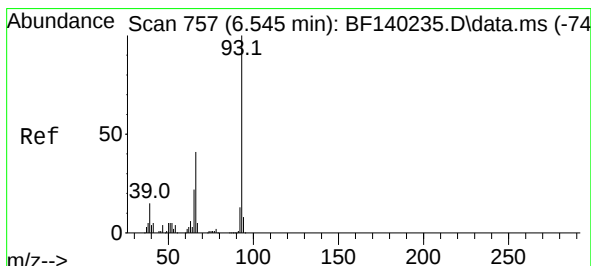
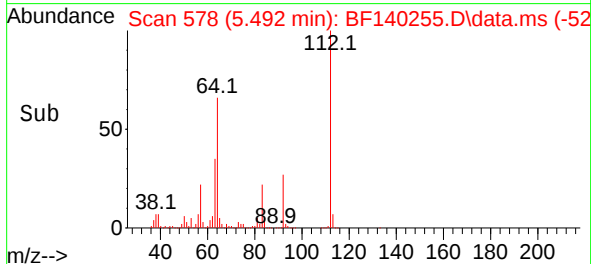
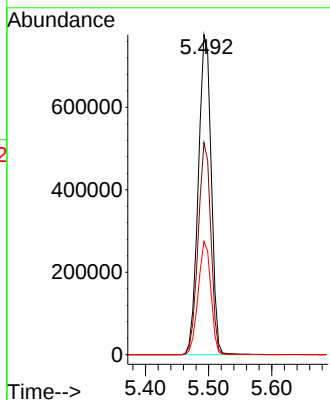
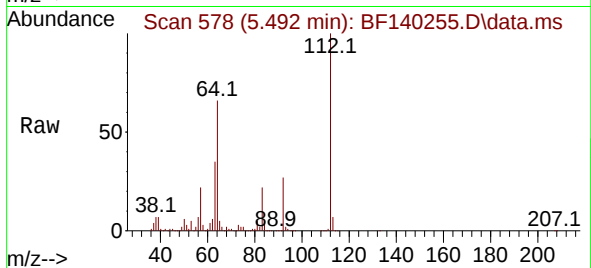




#5
2-Fluorophenol
Concen: 110.980 ng
RT: 5.492 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

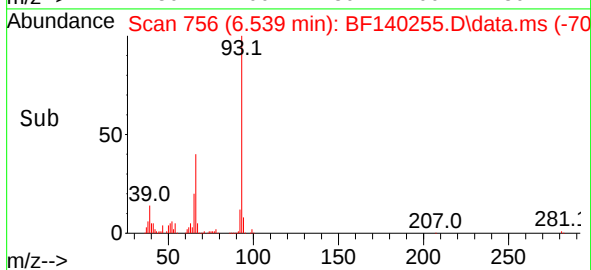
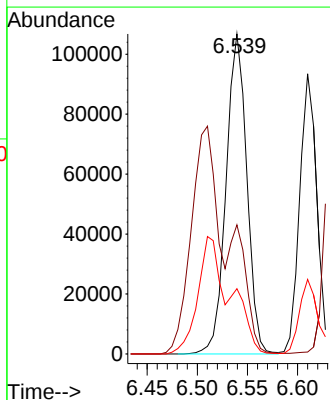
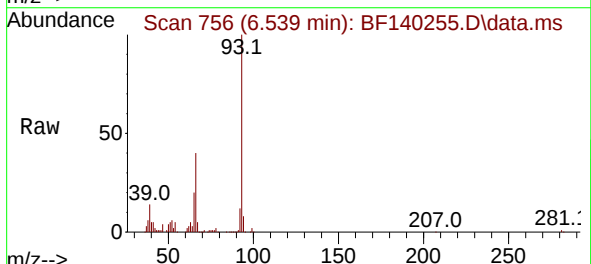
Instrument :
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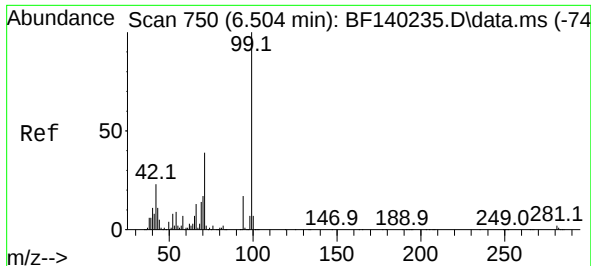
Tgt Ion:112 Resp: 1106390
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 35.4 28.9 43.3



#6
Aniline
Concen: 13.237 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion: 93 Resp: 153355
Ion Ratio Lower Upper
93 100
66 40.4 33.6 50.4
65 20.4 17.5 26.3





#7

Phenol-d6

Concen: 110.957 ng

RT: 6.504 min Scan# 750

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

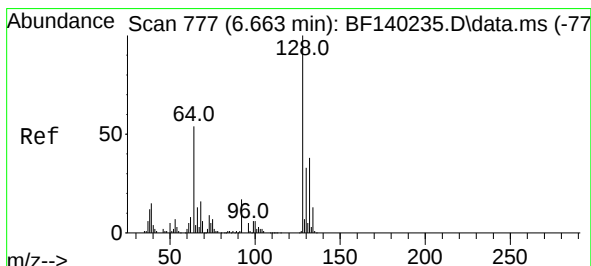
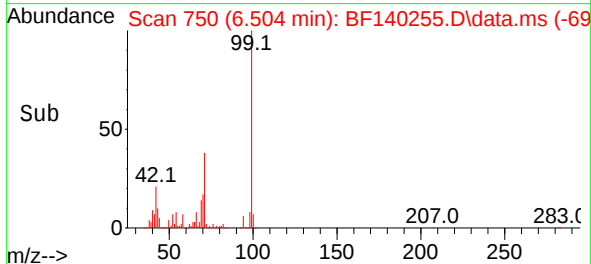
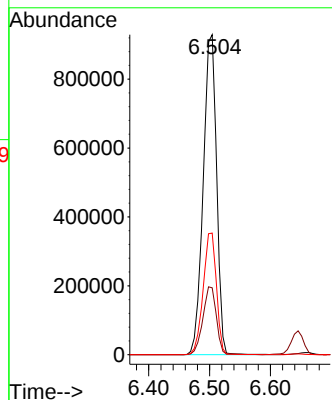
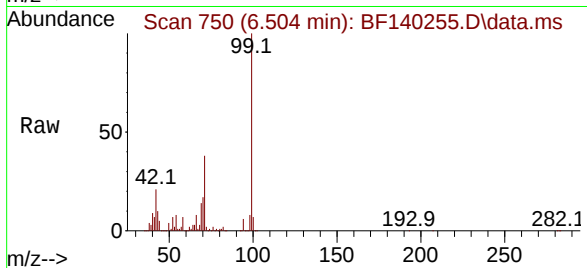
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 99 Resp: 1422794

Ion	Ratio	Lower	Upper
99	100		
42	20.9	18.2	27.2
71	38.0	30.9	46.3



#8

2-Chlorophenol

Concen: 10.992 ng

RT: 6.663 min Scan# 777

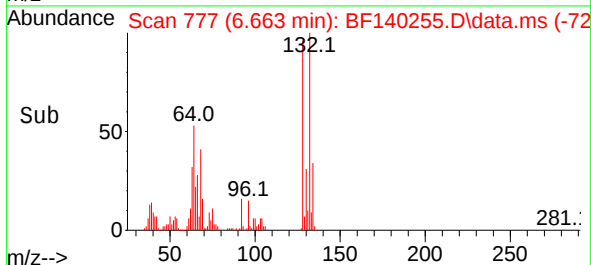
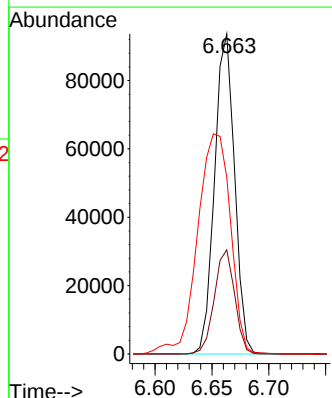
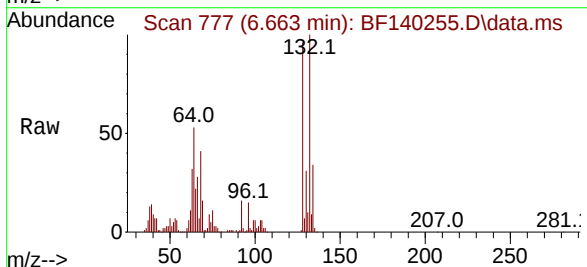
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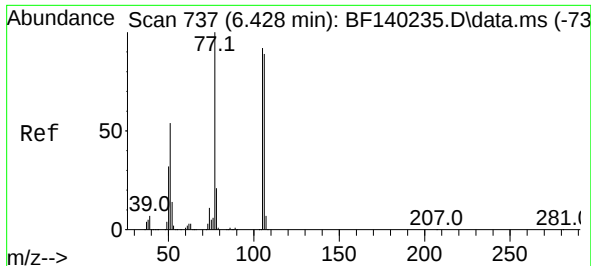
Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:128 Resp: 114653

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	55.2	36.3	76.3





#9

Benzaldehyde

Concen: 12.717 ng

RT: 6.428 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF140255.D

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Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

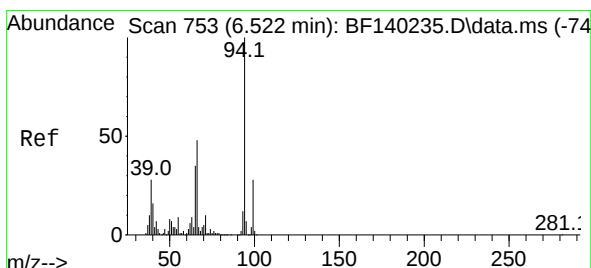
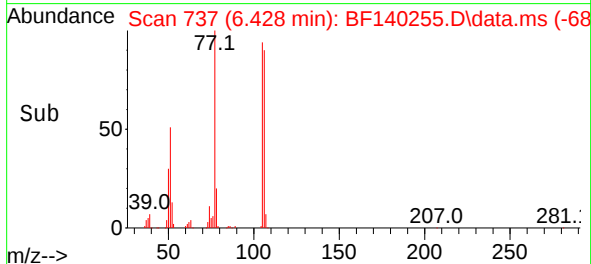
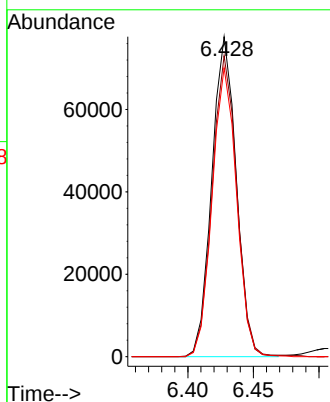
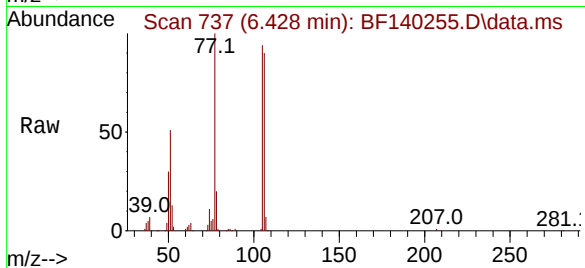
Tgt Ion: 77 Resp: 100450

Ion Ratio Lower Upper

77 100

105 94.1 72.1 112.1

106 90.3 68.8 108.8



#10

Phenol

Concen: 10.641 ng

RT: 6.516 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

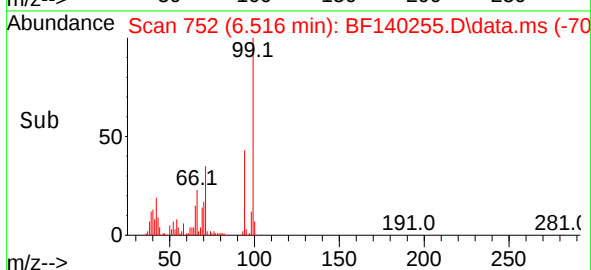
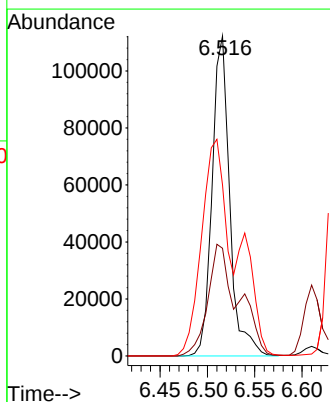
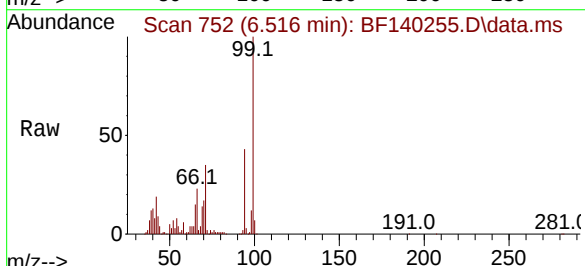
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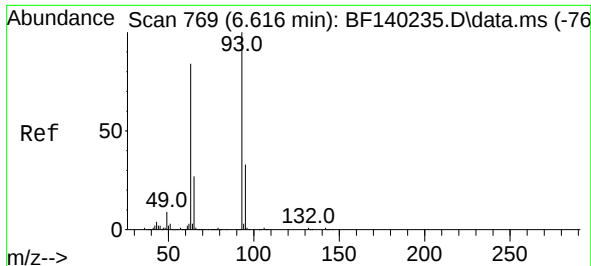
Ion Ratio Lower Upper

94 100

65 33.6 15.1 55.1

66 53.4 28.8 68.8





#11

bis(2-Chloroethyl)ether

Concen: 10.733 ng

RT: 6.610 min Scan# 7

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

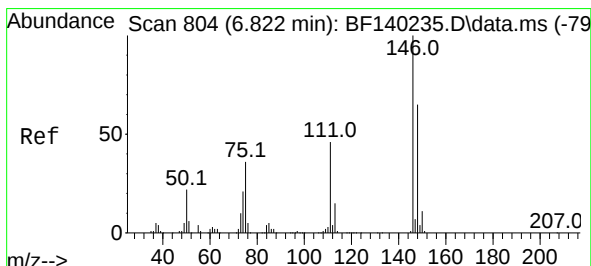
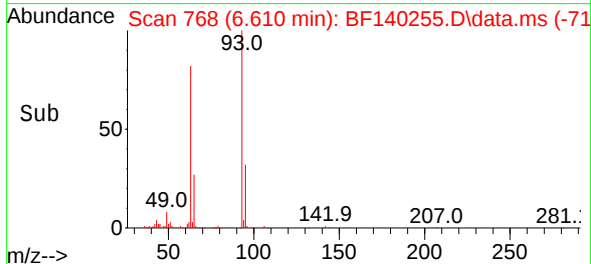
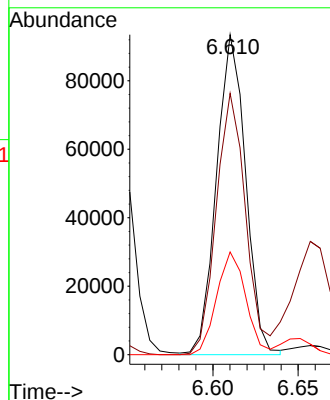
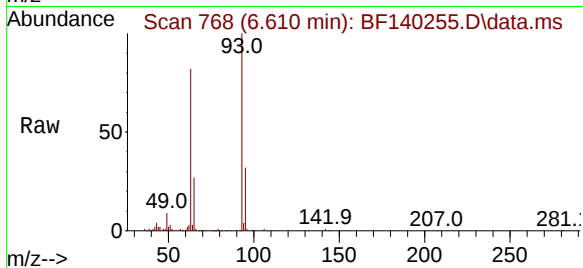
Tgt Ion: 93 Resp: 111039

Ion Ratio Lower Upper

93 100

63 81.7 63.6 103.6

95 32.1 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 10.543 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

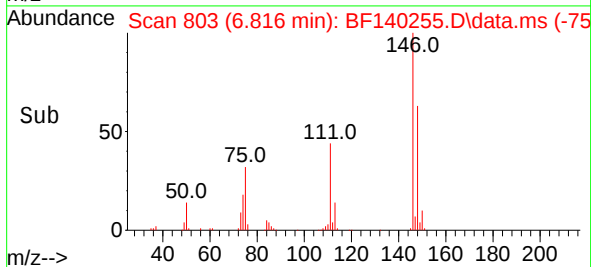
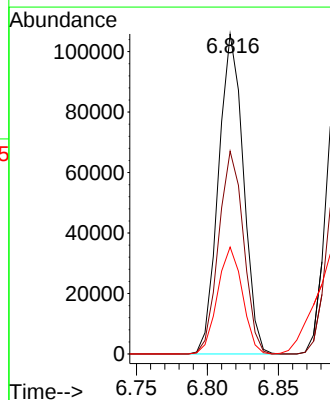
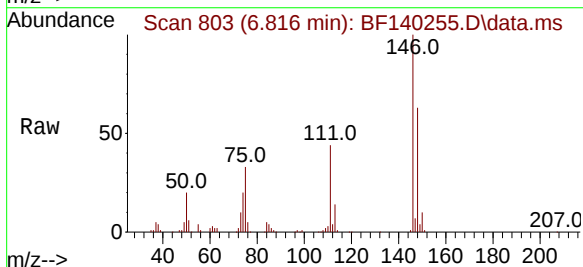
Tgt Ion:146 Resp: 128868

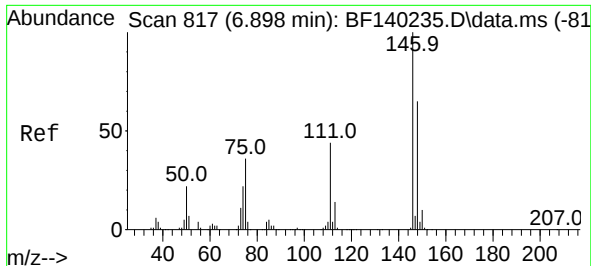
Ion Ratio Lower Upper

146 100

148 63.3 51.7 77.5

75 33.4 28.4 42.6

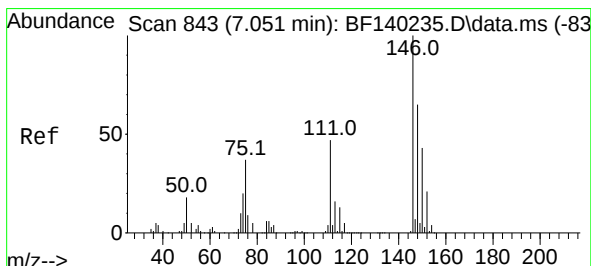
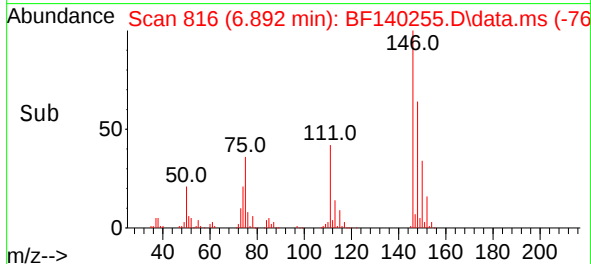
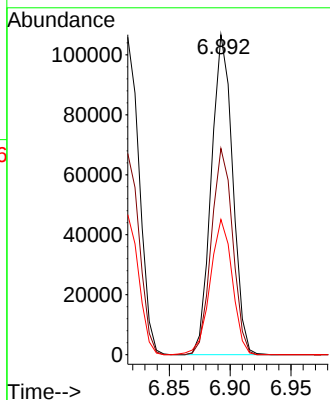
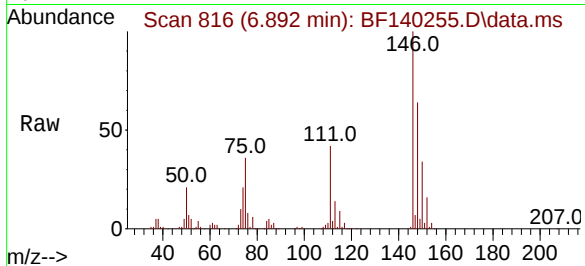




#13
1,4-Dichlorobenzene
Concen: 10.549 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

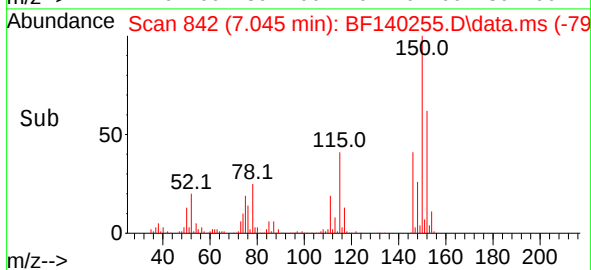
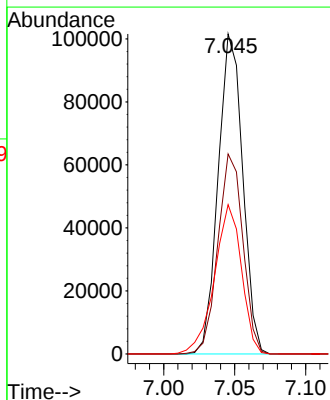
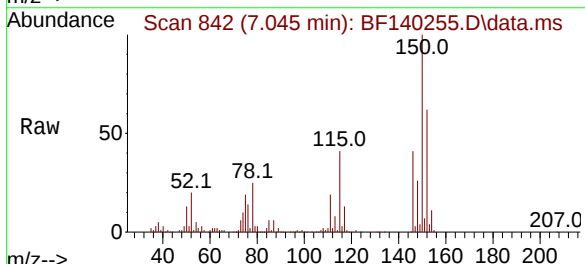
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

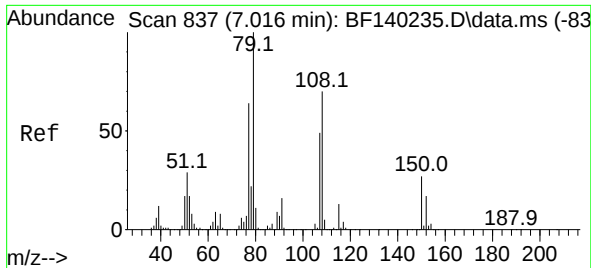
Tgt Ion:146 Resp: 130054
Ion Ratio Lower Upper
146 100
148 64.5 51.8 77.6
111 42.3 35.4 53.2



#14
1,2-Dichlorobenzene
Concen: 10.590 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:146 Resp: 121939
Ion Ratio Lower Upper
146 100
148 62.5 51.8 77.6
111 46.6 37.9 56.9

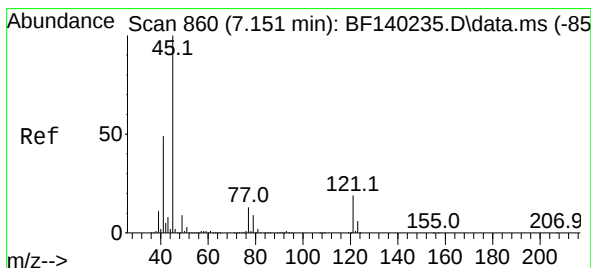
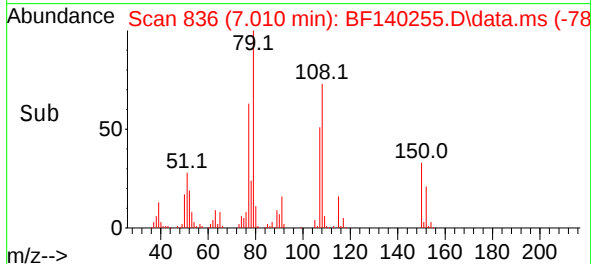
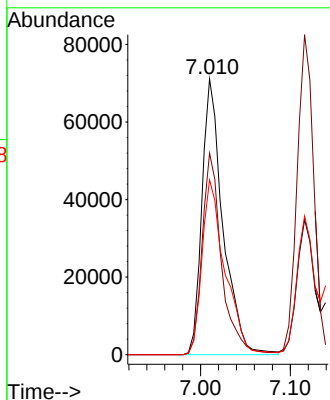
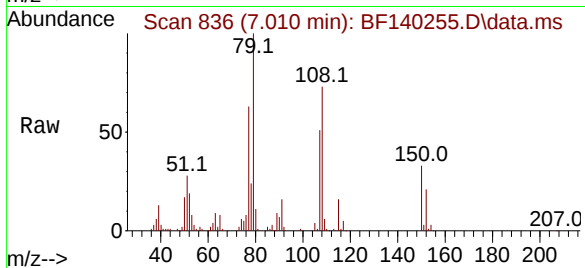




#15
Benzyl Alcohol
Concen: 11.739 ng
RT: 7.010 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

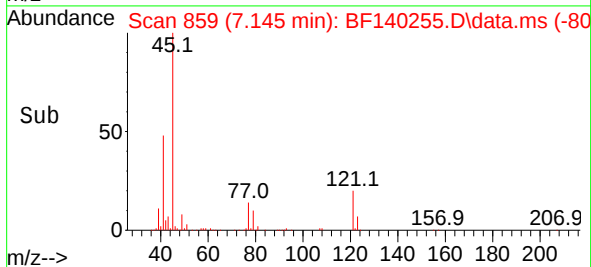
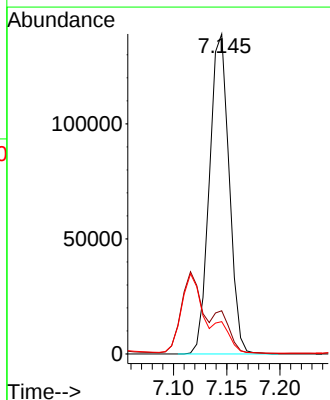
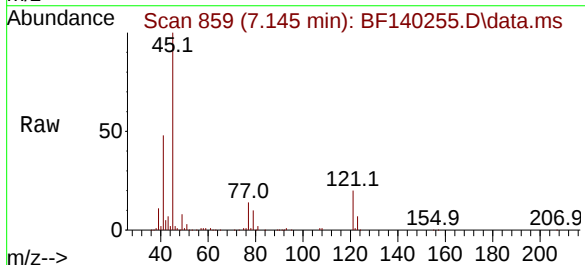
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

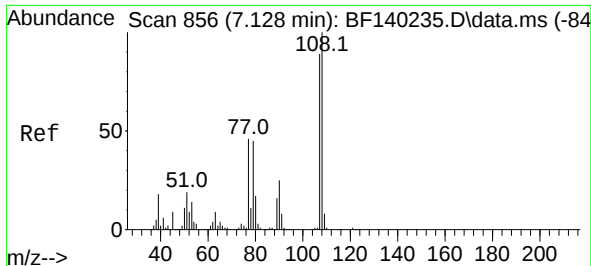
Tgt Ion: 79 Resp: 116044
Ion Ratio Lower Upper
79 100
108 73.1 55.8 83.6
77 63.3 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.672 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion: 45 Resp: 178712
Ion Ratio Lower Upper
45 100
77 13.5 0.0 33.3
79 10.1 0.0 29.9

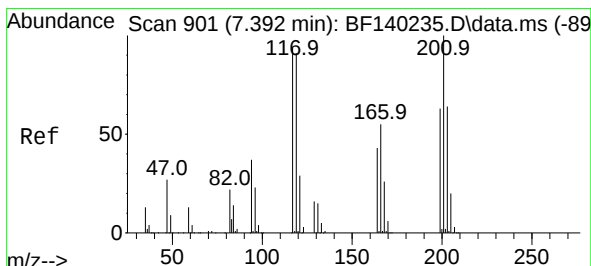
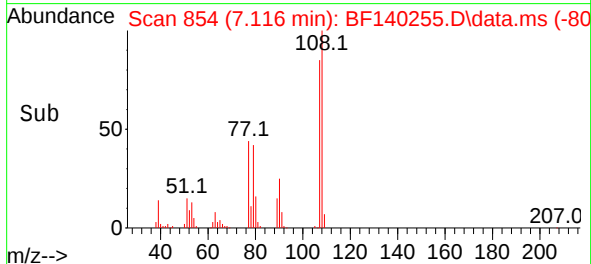
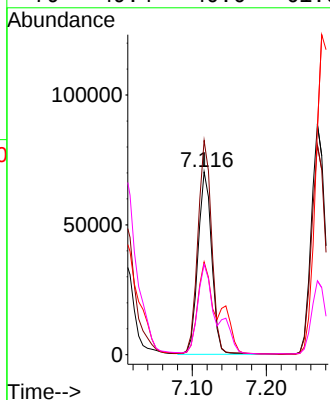
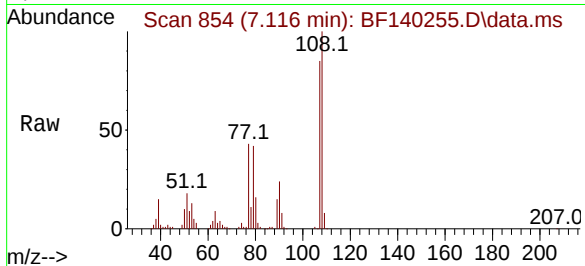




#17
2-Methylphenol
Concen: 10.498 ng
RT: 7.116 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

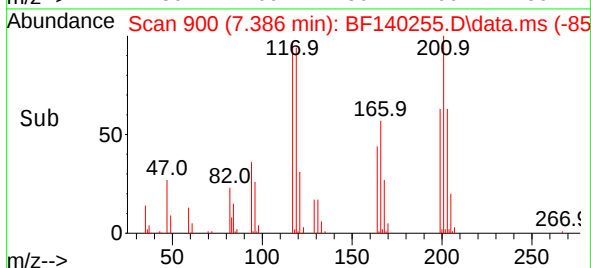
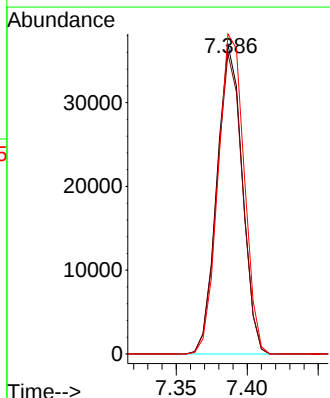
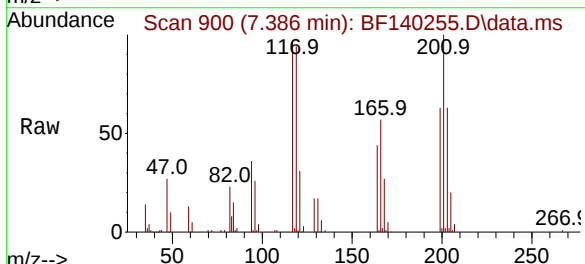
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

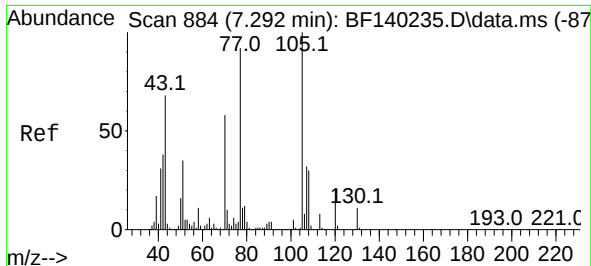
Tgt Ion:	107	Resp:	91346
Ion	Ratio	Lower	Upper
107	100		
108	117.1	90.5	135.7
77	50.8	41.8	62.6
79	49.4	40.6	61.0



#18
Hexachloroethane
Concen: 9.988 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:	117	Resp:	45867
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.3	115.9
201	103.5	85.1	127.7





#19

n-Nitroso-di-n-propylamine

Concen: 10.604 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 70 Resp: 86746

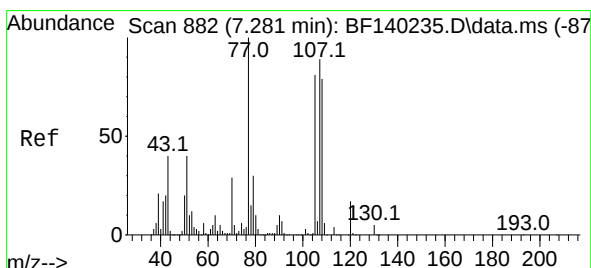
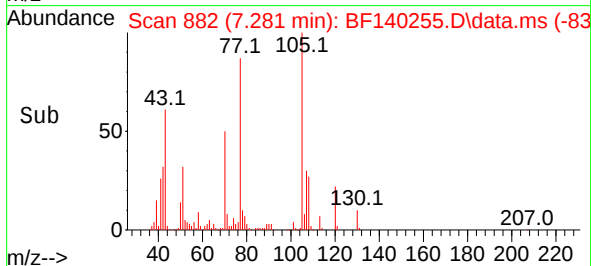
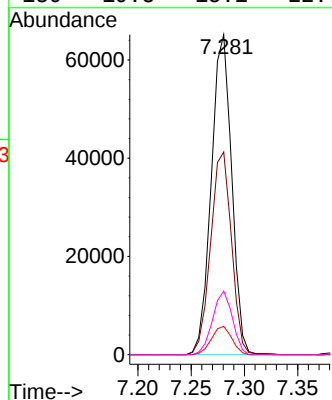
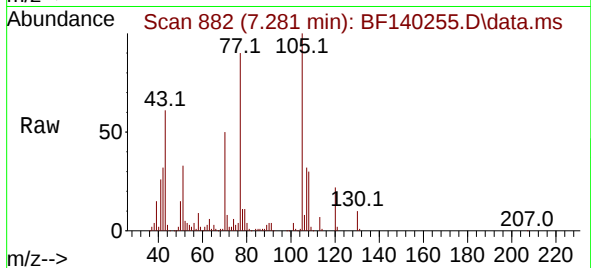
Ion Ratio Lower Upper

70 100

42 63.4 52.8 79.2

101 8.9 7.4 11.2

130 19.8 15.1 22.7



#20

3+4-Methylphenols

Concen: 10.771 ng

RT: 7.269 min Scan# 880

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:107 Resp: 117708

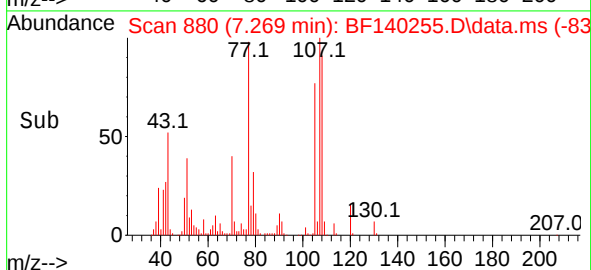
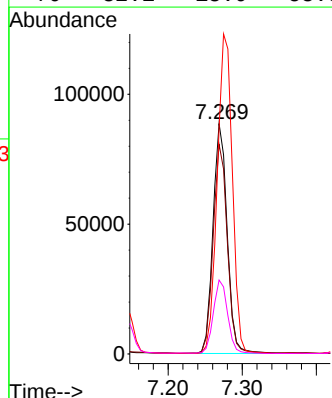
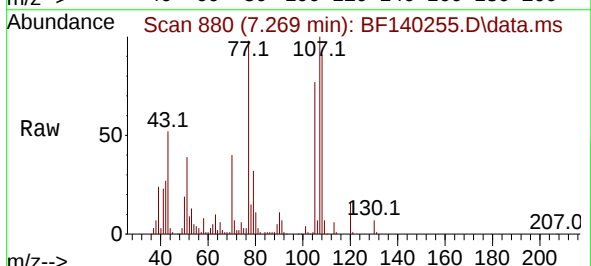
Ion Ratio Lower Upper

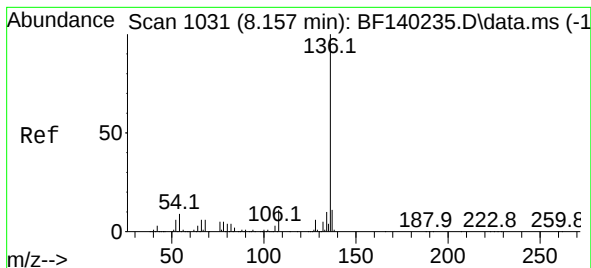
107 100

108 91.0 69.4 109.4

77 97.7 92.7 132.7

79 32.1 13.9 53.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:136 Resp: 623318

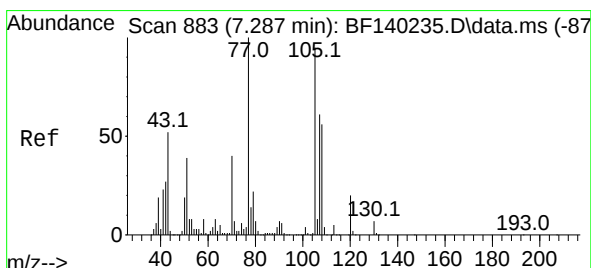
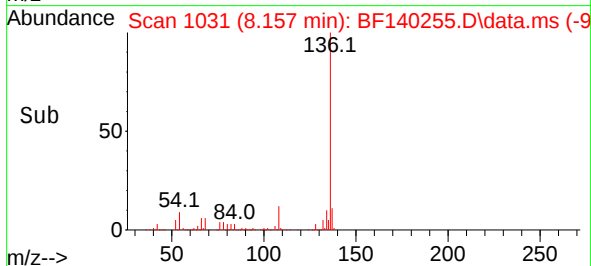
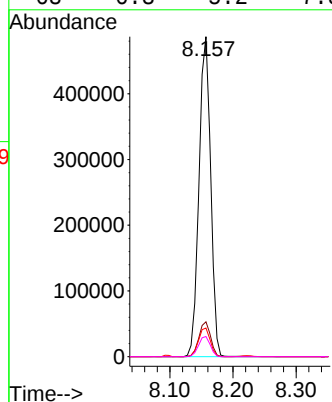
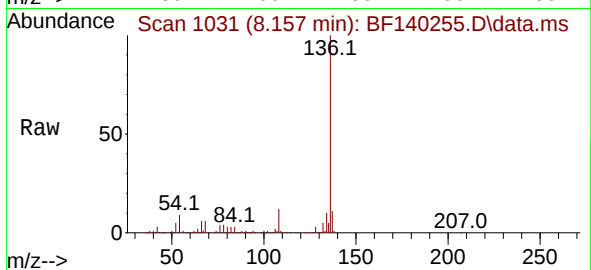
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 8.9 7.7 11.5

68 6.3 5.2 7.8



#22

Acetophenone

Concen: 10.907 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:105 Resp: 168559

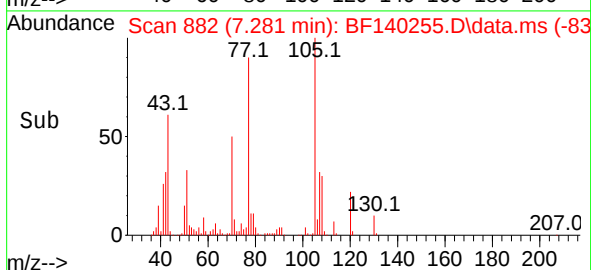
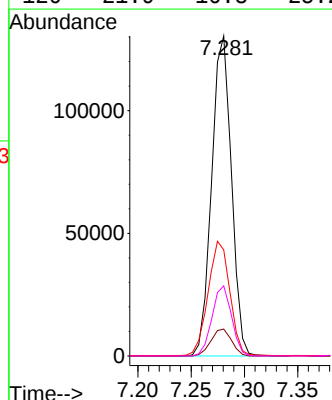
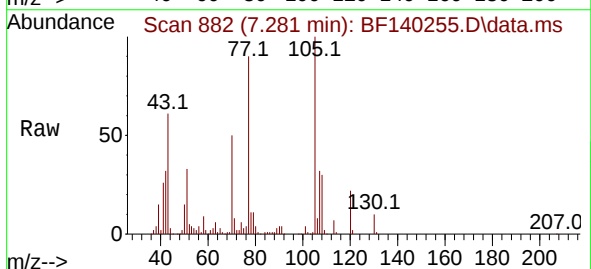
Ion Ratio Lower Upper

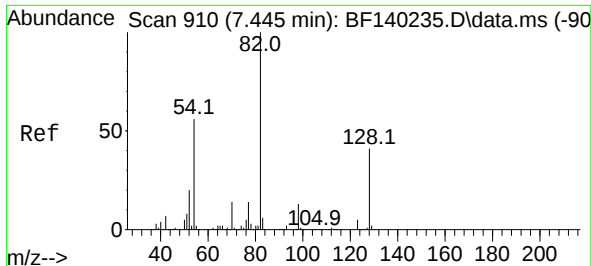
105 100

71 8.4 5.6 8.4#

51 33.2 33.2 49.8#

120 21.9 16.8 25.2





#23

Nitrobenzene-d5

Concen: 79.699 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

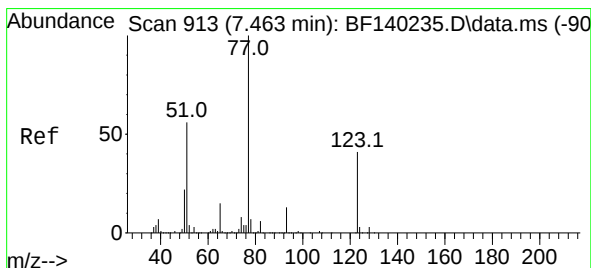
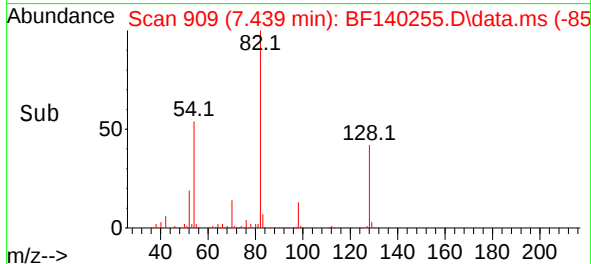
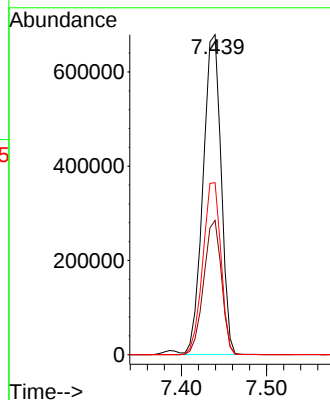
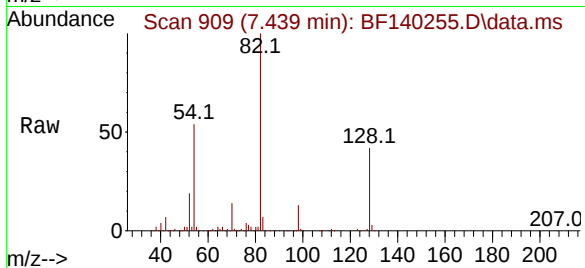
Tgt Ion: 82 Resp: 999191

Ion Ratio Lower Upper

82 100

128 42.0 32.8 49.2

54 53.7 44.3 66.5



#24

Nitrobenzene

Concen: 10.018 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

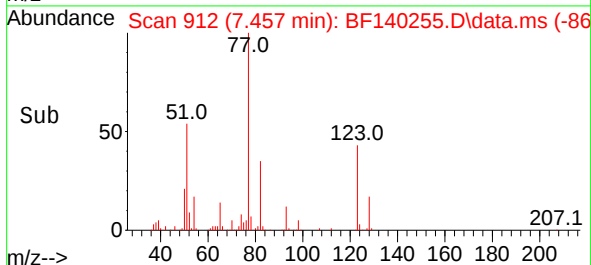
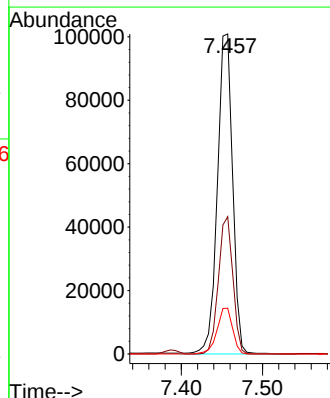
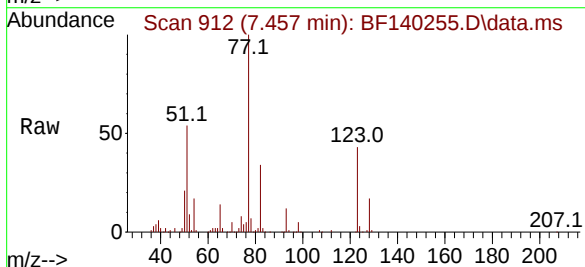
Tgt Ion: 77 Resp: 131787

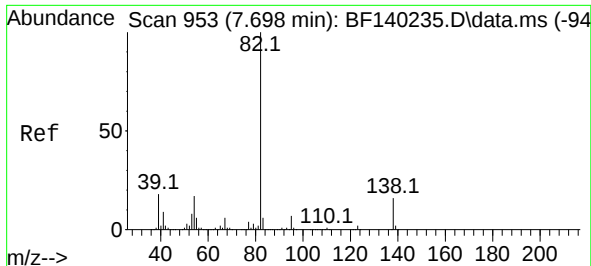
Ion Ratio Lower Upper

77 100

123 42.9 33.0 49.4

65 14.3 11.7 17.5





#25

Isophorone

Concen: 10.476 ng

RT: 7.686 min Scan# 951

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

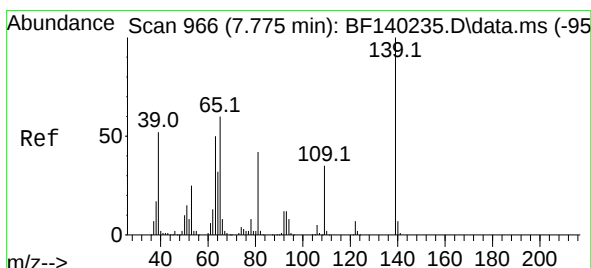
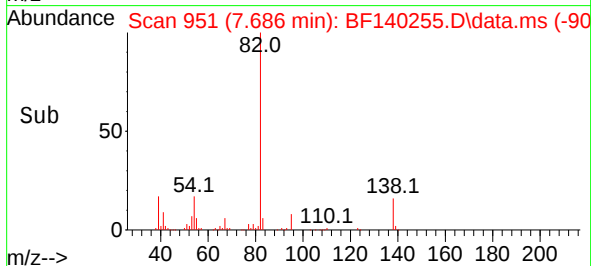
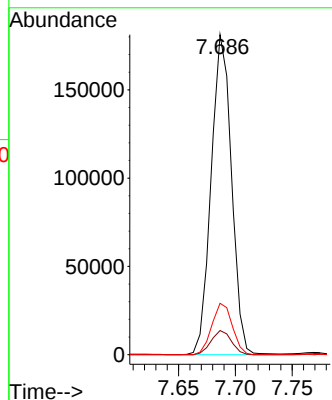
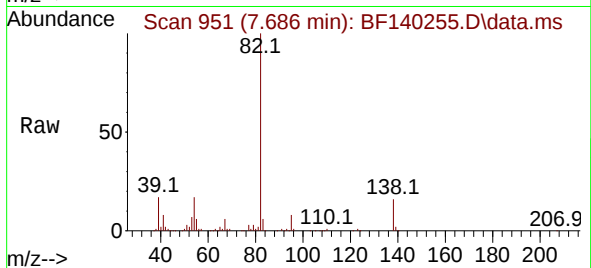
Tgt Ion: 82 Resp: 226153

Ion Ratio Lower Upper

82 100

95 7.5 6.0 9.0

138 16.1 12.9 19.3



#26

2-Nitrophenol

Concen: 10.129 ng

RT: 7.769 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

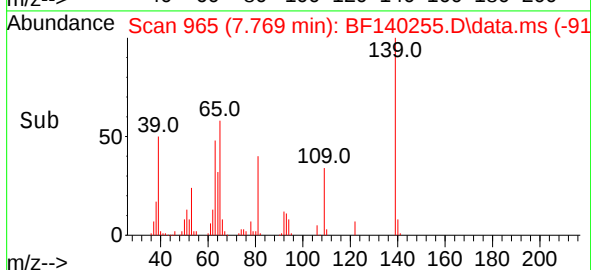
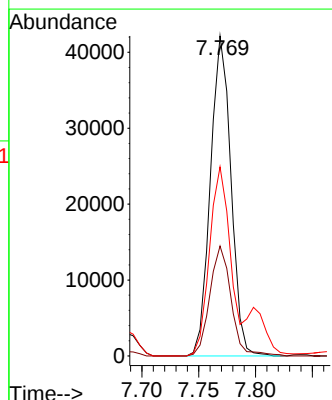
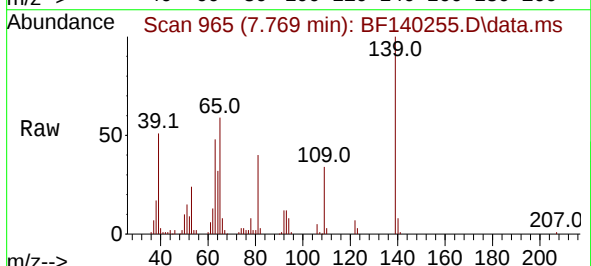
Tgt Ion:139 Resp: 53005

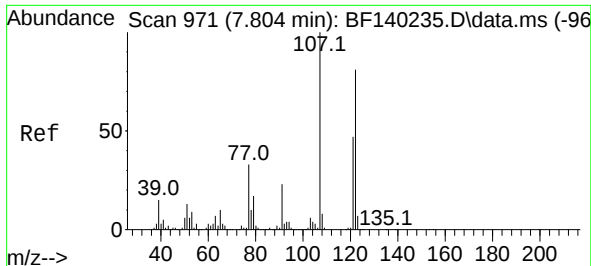
Ion Ratio Lower Upper

139 100

109 34.3 27.8 41.8

65 59.1 48.2 72.2





#27

2,4-Dimethylphenol

Concen: 10.461 ng

RT: 7.798 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

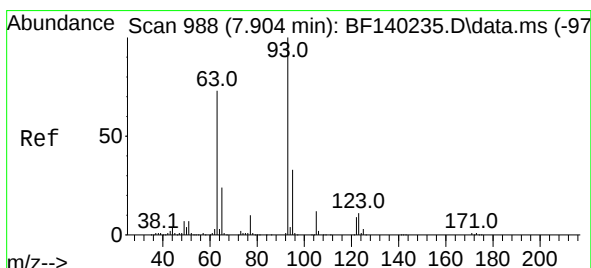
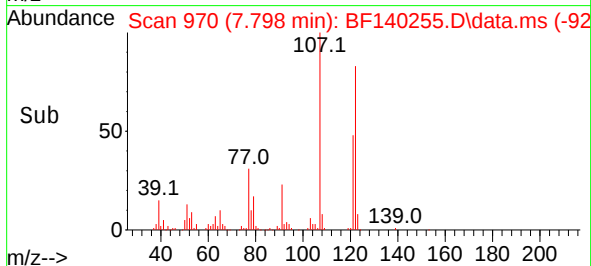
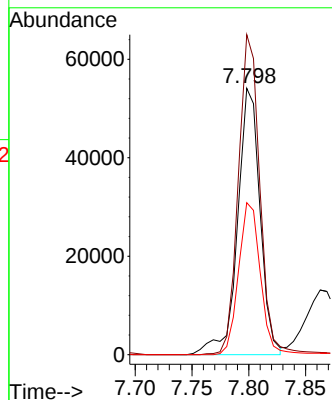
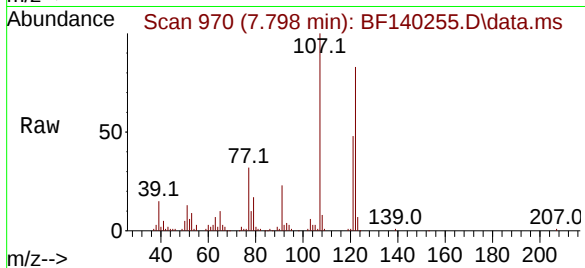
Tgt Ion:122 Resp: 74475

Ion Ratio Lower Upper

122 100

107 120.1 99.4 149.0

121 57.1 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 10.640 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

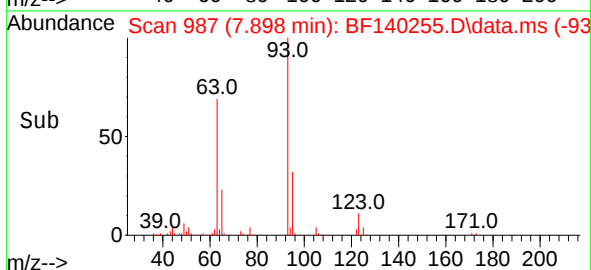
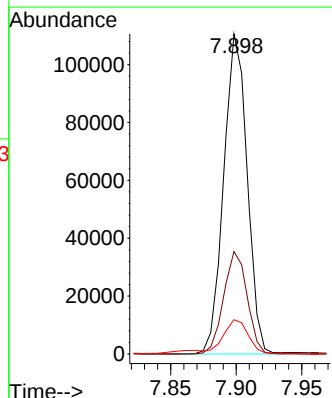
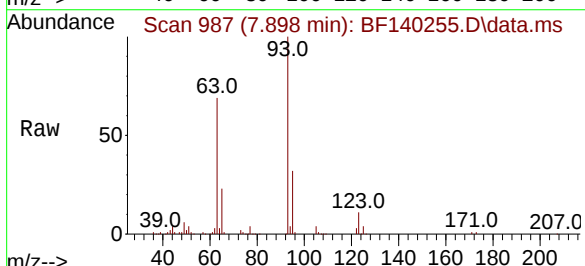
Tgt Ion: 93 Resp: 137449

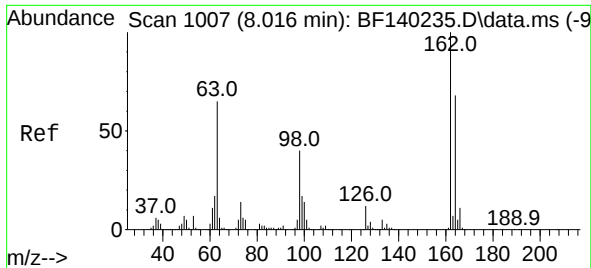
Ion Ratio Lower Upper

93 100

95 32.0 26.1 39.1

123 10.7 9.4 14.0

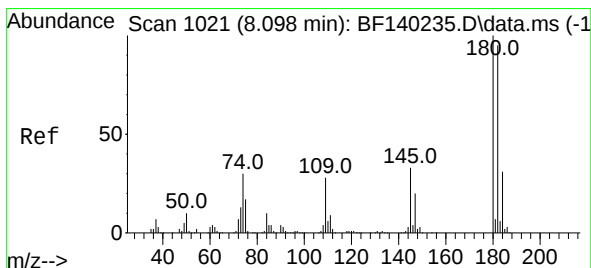
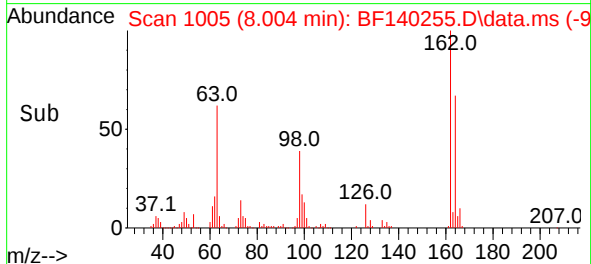
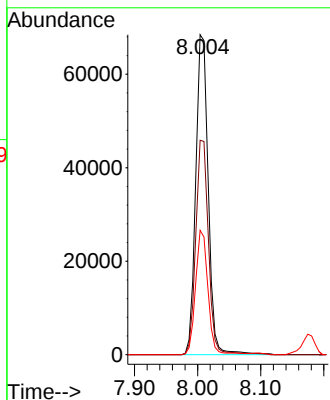
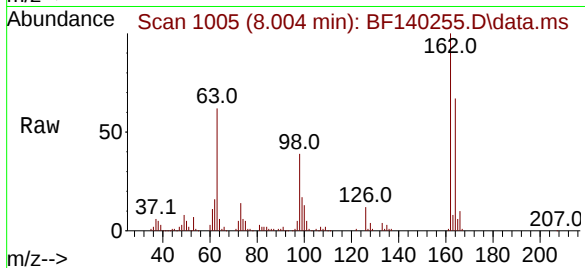




#29
2,4-Dichlorophenol
Concen: 10.702 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

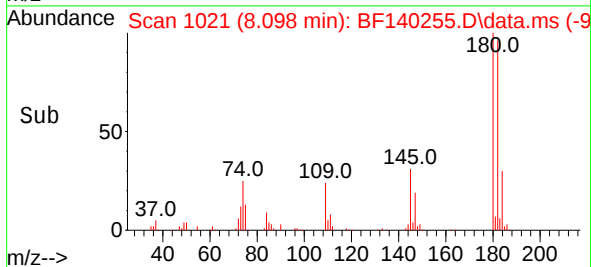
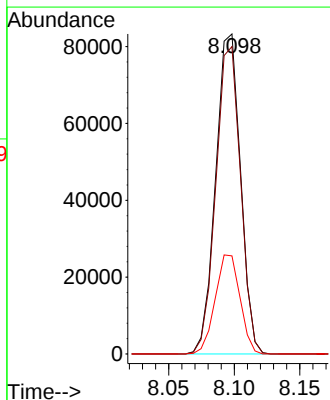
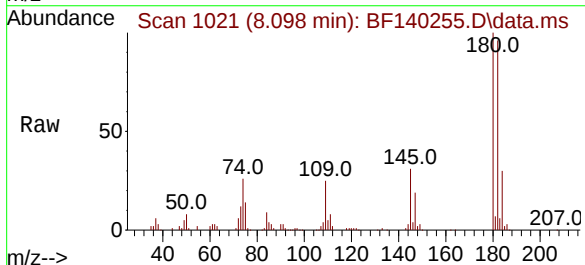
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

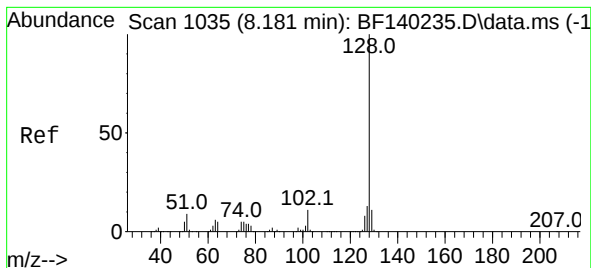
Tgt Ion:162 Resp: 94255
Ion Ratio Lower Upper
162 100
164 67.0 47.5 87.5
98 38.8 19.5 59.5



#30
1,2,4-Trichlorobenzene
Concen: 10.394 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:180 Resp: 109691
Ion Ratio Lower Upper
180 100
182 96.0 75.9 113.9
145 30.6 26.1 39.1





#31

Naphthalene

Concen: 10.552 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

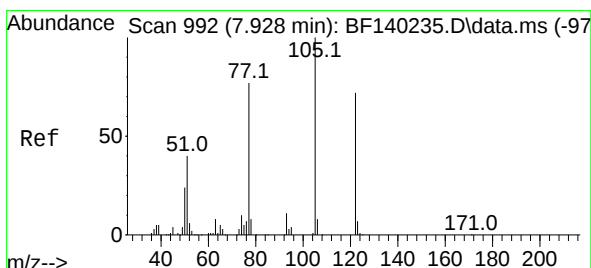
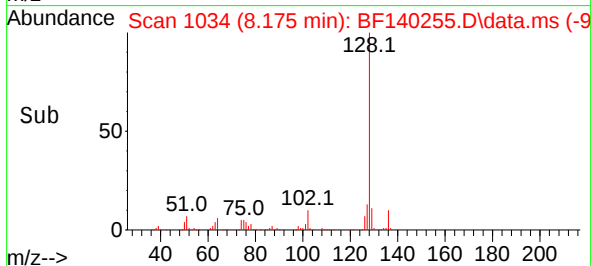
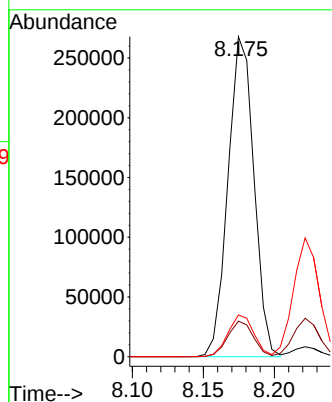
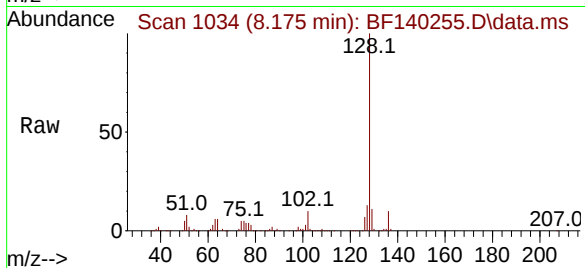
Tgt Ion:128 Resp: 339645

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 13.1 10.7 16.1



#32

Benzoic acid

Concen: 5.432 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.065 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

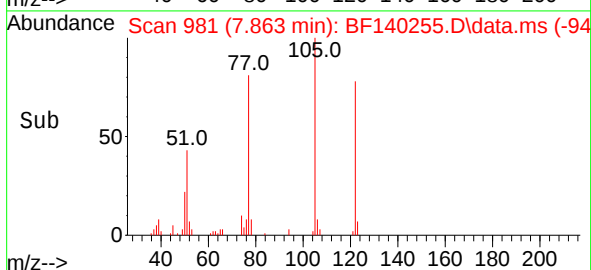
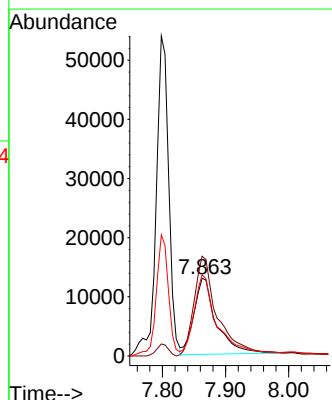
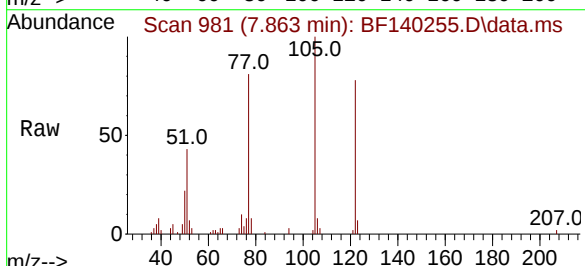
Tgt Ion:122 Resp: 31735

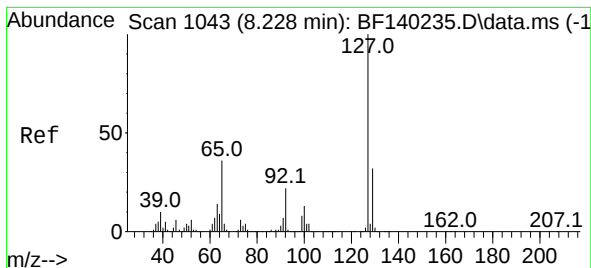
Ion Ratio Lower Upper

122 100

105 128.5 112.6 152.6

77 104.7 84.3 124.3





#33

4-Chloroaniline

Concen: 12.115 ng

RT: 8.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 128378

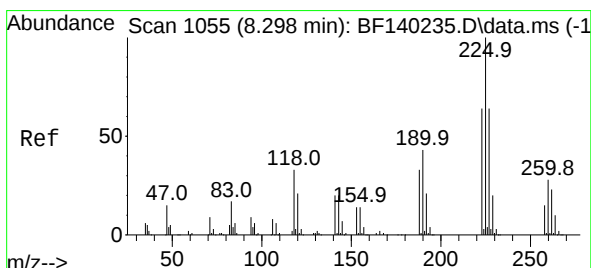
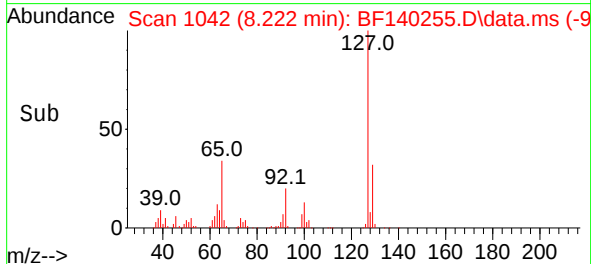
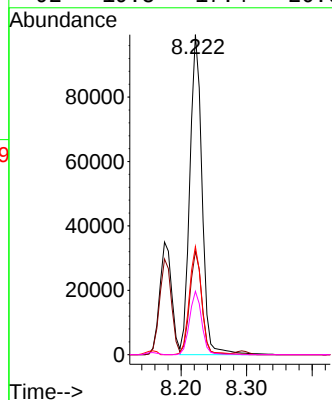
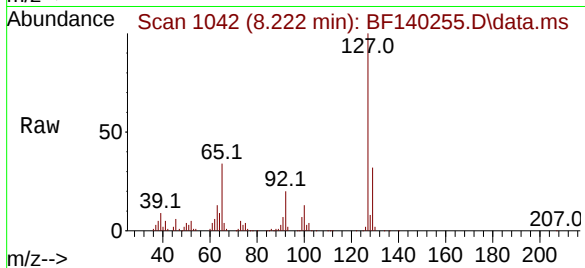
Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.6

65 33.8 29.0 43.6

92 19.8 17.4 26.0



#34

Hexachlorobutadiene

Concen: 9.797 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

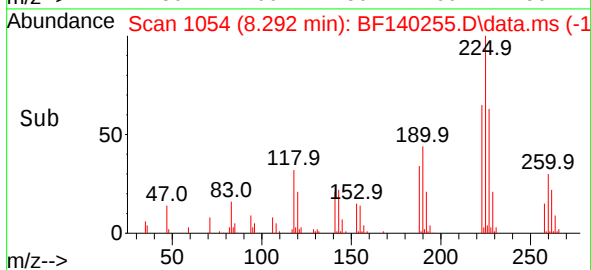
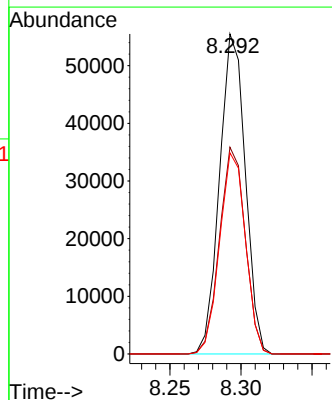
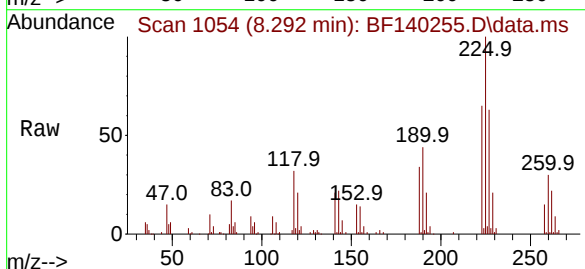
Tgt Ion:225 Resp: 69982

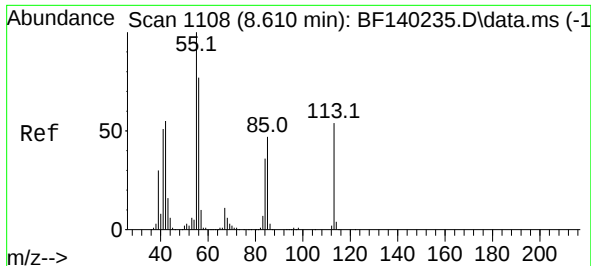
Ion Ratio Lower Upper

225 100

223 64.6 50.8 76.2

227 62.8 51.0 76.6





#35

Caprolactam

Concen: 10.339 ng

RT: 8.563 min Scan# 1108

Delta R.T. -0.047 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

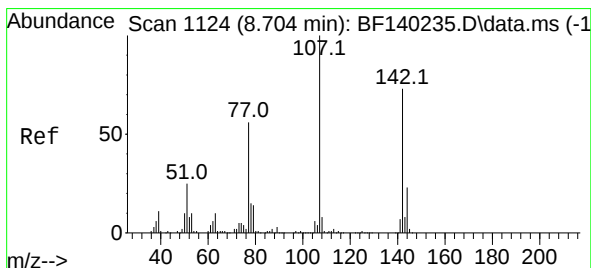
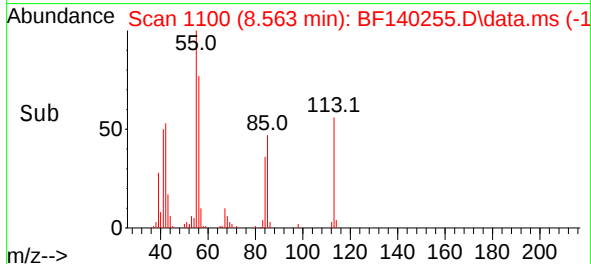
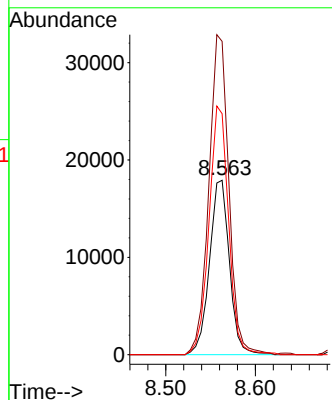
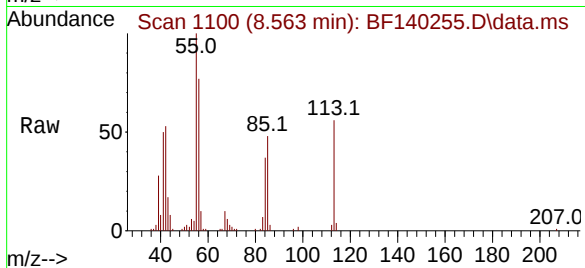
Tgt Ion:113 Resp: 27700

Ion Ratio Lower Upper

113 100

55 179.6 165.2 205.2

56 138.2 122.1 162.1



#36

4-Chloro-3-methylphenol

Concen: 10.390 ng

RT: 8.698 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

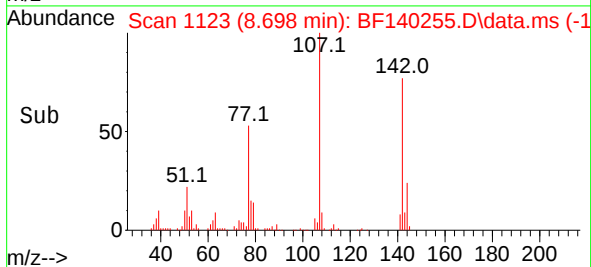
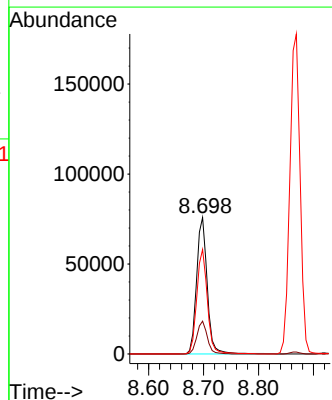
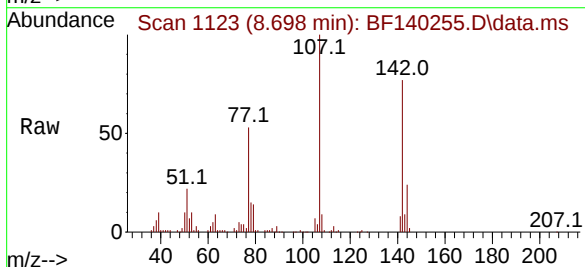
Tgt Ion:107 Resp: 101881

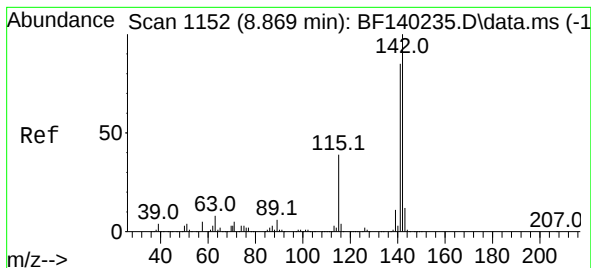
Ion Ratio Lower Upper

107 100

144 24.0 18.6 27.8

142 76.6 58.1 87.1





#37

2-Methylnaphthalene

Concen: 10.916 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

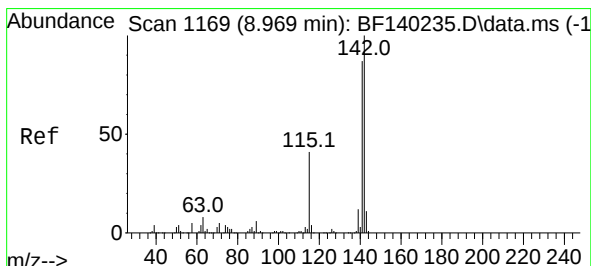
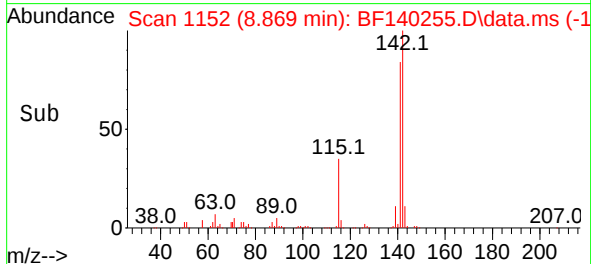
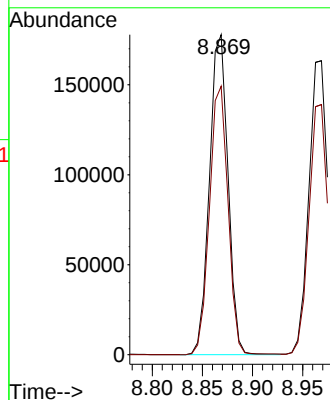
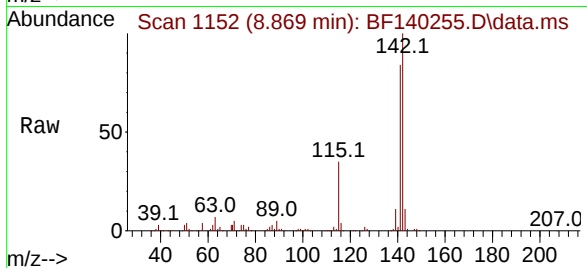
LOQ-SOIL-02-QT4-2024

Tgt Ion:142 Resp: 229307

Ion Ratio Lower Upper

142 100

141 83.9 67.8 101.8



#38

1-Methylnaphthalene

Concen: 10.411 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF140255.D

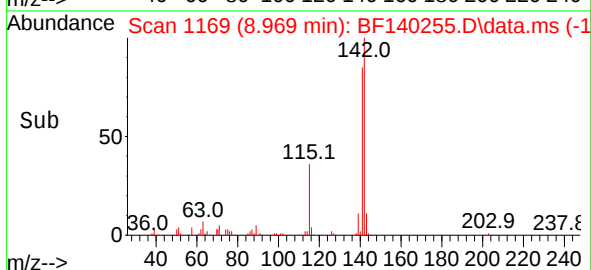
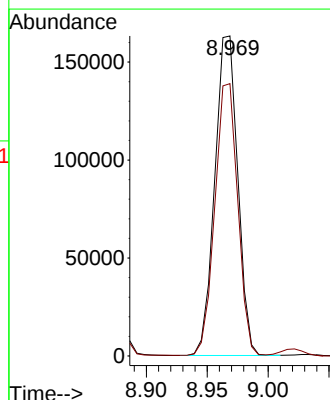
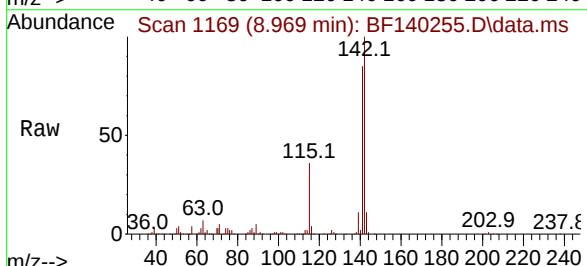
Acq: 06 Nov 2024 13:34

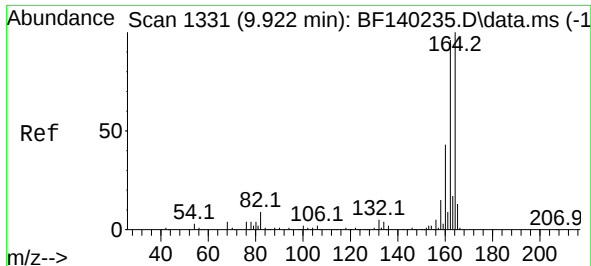
Tgt Ion:142 Resp: 214371

Ion Ratio Lower Upper

142 100

141 85.1 69.7 104.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

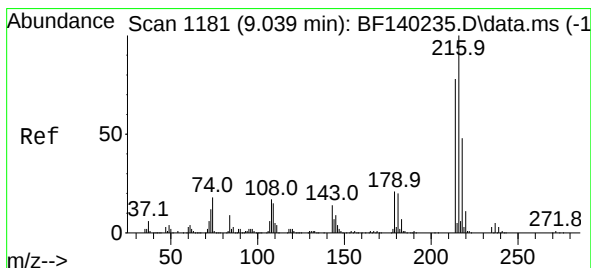
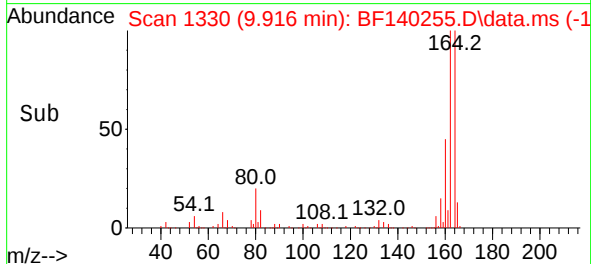
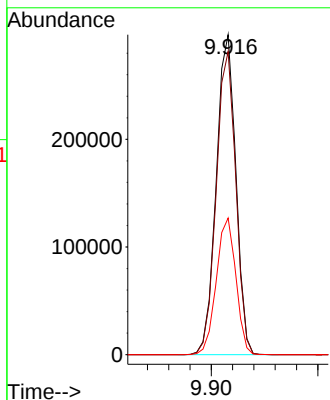
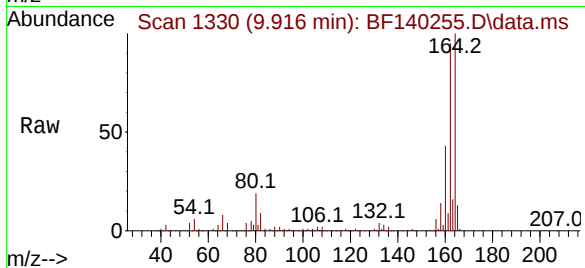
Tgt Ion:164 Resp: 378192

Ion Ratio Lower Upper

164 100

162 94.8 77.0 115.4

160 42.7 34.1 51.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.675 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:216 Resp: 118191

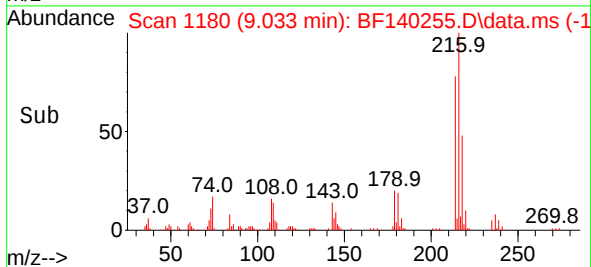
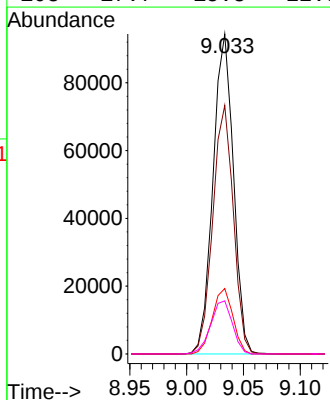
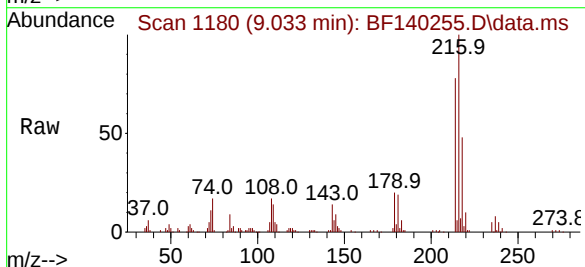
Ion Ratio Lower Upper

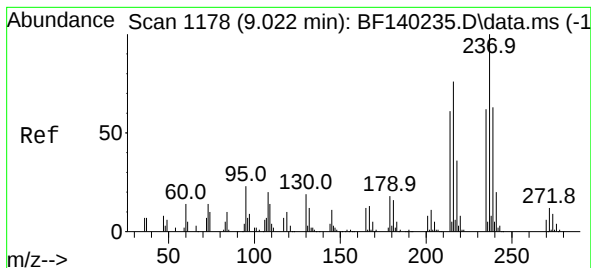
216 100

214 78.0 62.8 94.2

179 20.6 17.3 25.9

108 17.7 15.3 22.9





#41

Hexachlorocyclopentadiene

Concen: 11.239 ng

RT: 9.022 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

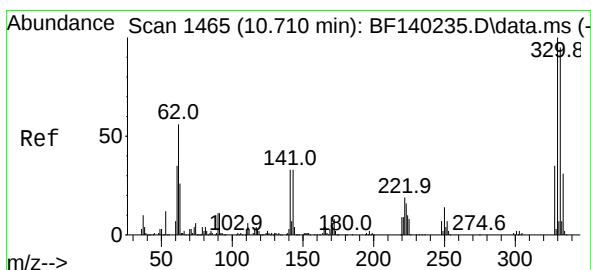
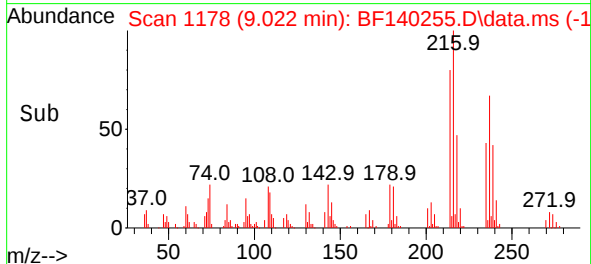
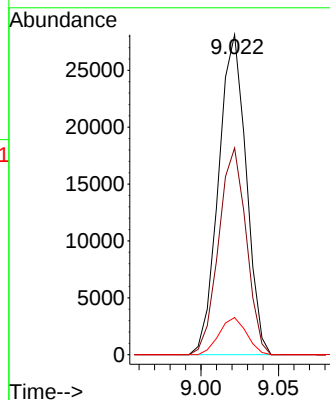
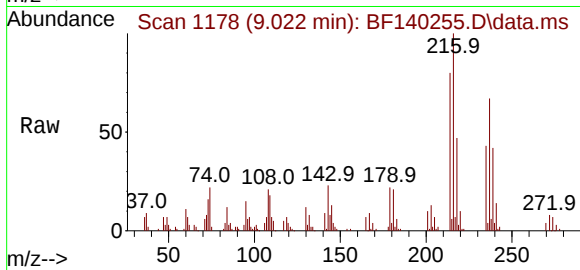
Tgt Ion:237 Resp: 34867

Ion Ratio Lower Upper

237 100

235 64.6 41.8 81.8

272 11.6 0.0 31.8



#42

2,4,6-Tribromophenol

Concen: 116.831 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

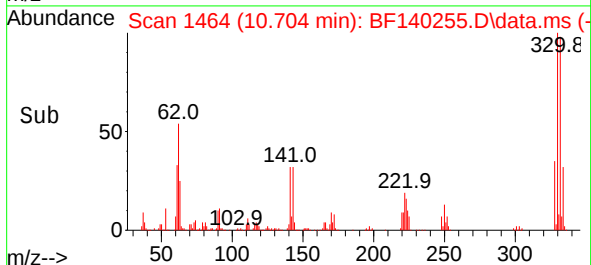
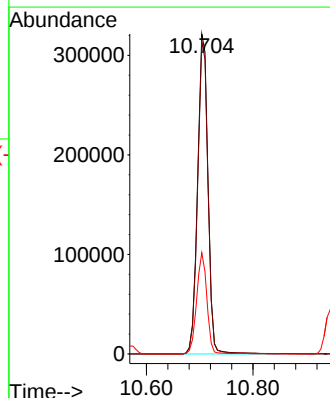
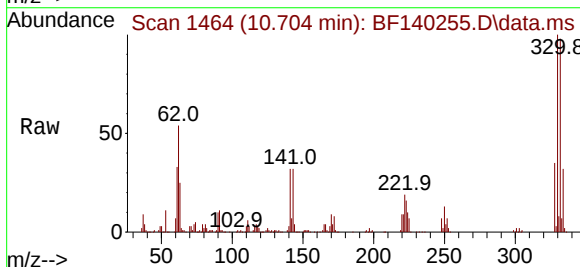
Tgt Ion:330 Resp: 436742

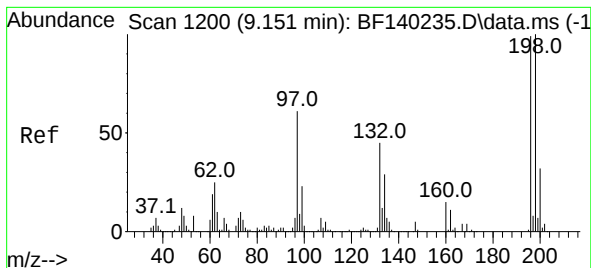
Ion Ratio Lower Upper

330 100

332 97.3 76.4 114.6

141 30.9 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 9.776 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

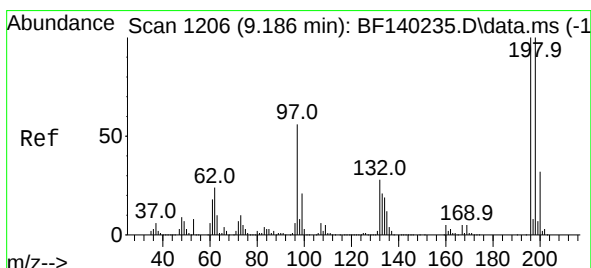
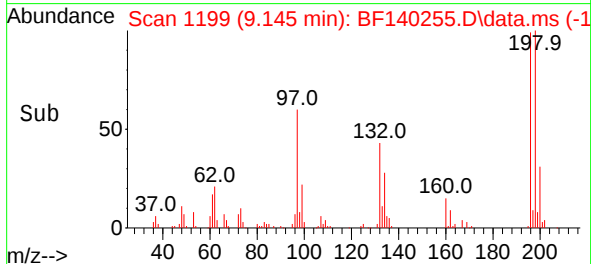
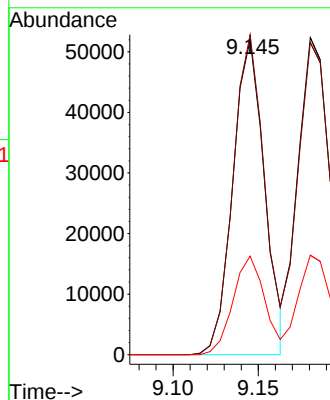
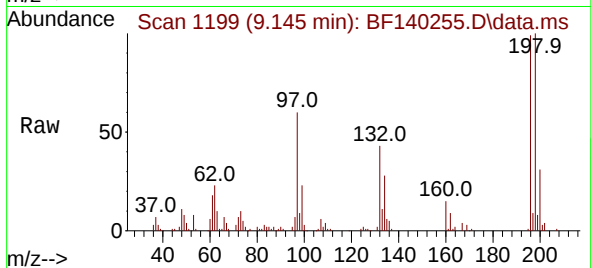
Tgt Ion:196 Resp: 67071

Ion Ratio Lower Upper

196 100

198 101.5 80.8 121.2

200 31.3 26.0 39.0



#44

2,4,5-Trichlorophenol

Concen: 9.704 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:196 Resp: 70005

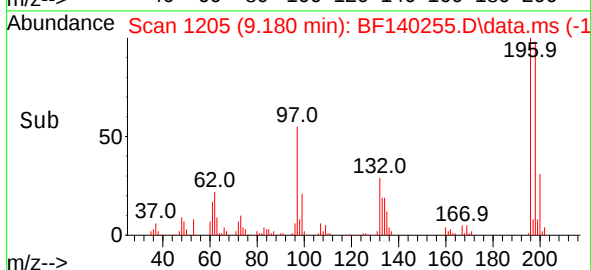
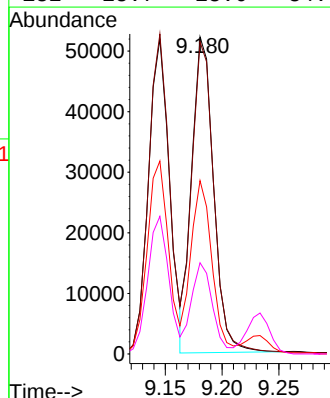
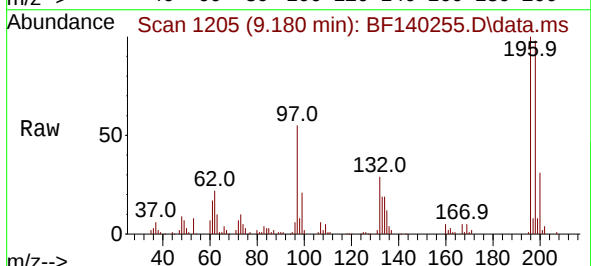
Ion Ratio Lower Upper

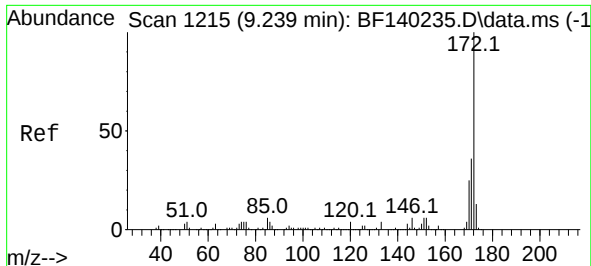
196 100

198 98.4 80.0 120.0

97 54.6 45.7 68.5

132 28.7 23.0 34.6





#45

2-Fluorobiphenyl

Concen: 77.156 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

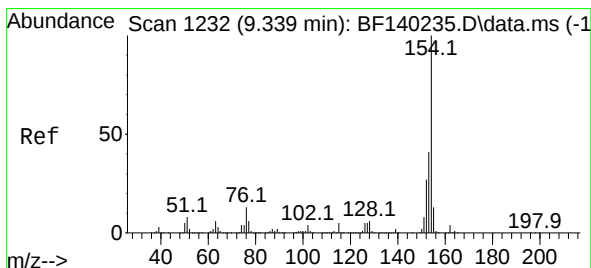
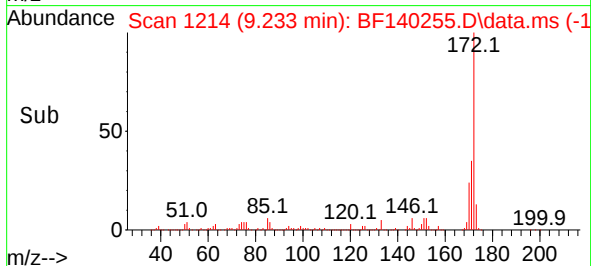
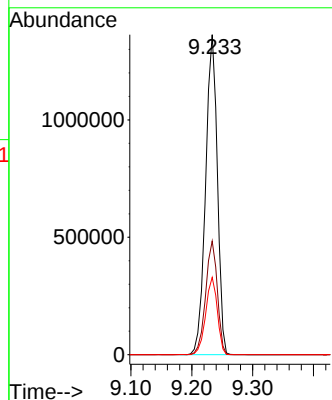
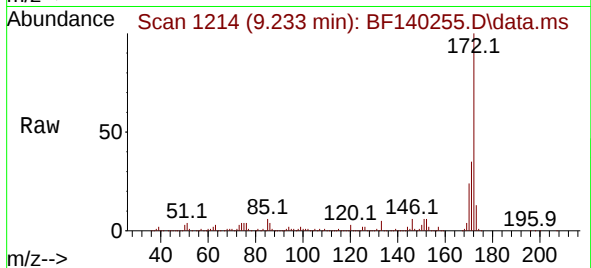
Tgt Ion:172 Resp: 1827380

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 24.1 19.6 29.4



#46

1,1'-Biphenyl

Concen: 10.755 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

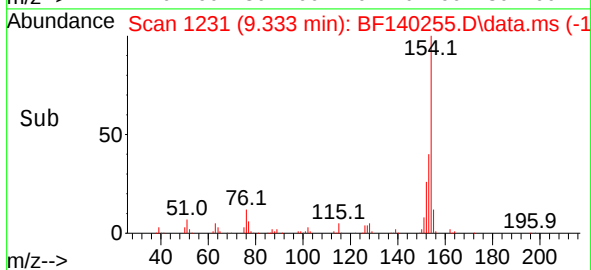
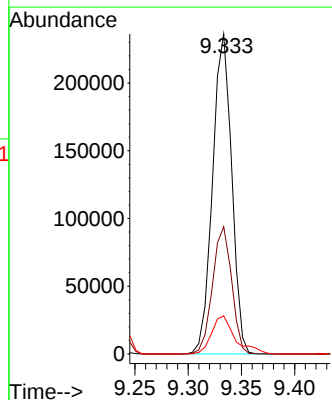
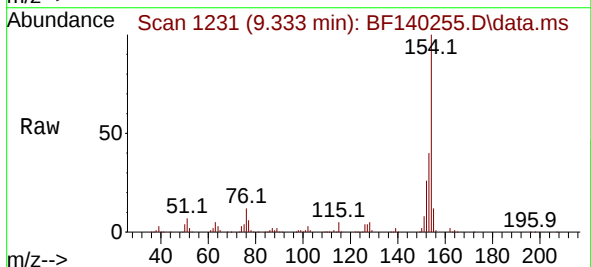
Tgt Ion:154 Resp: 294009

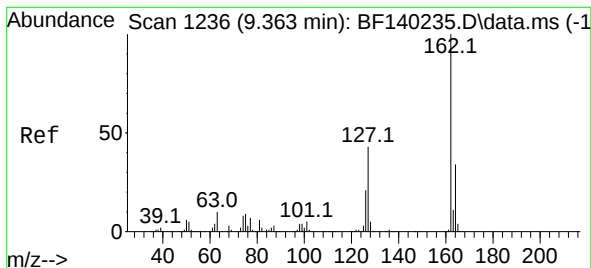
Ion Ratio Lower Upper

154 100

153 39.8 20.8 60.8

76 11.9 0.0 32.6





#47

2-Chloronaphthalene

Concen: 10.158 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

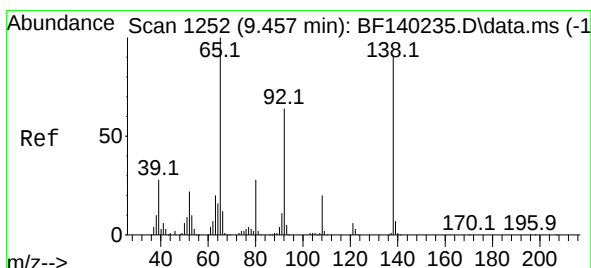
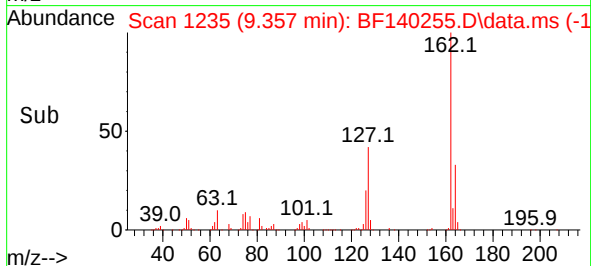
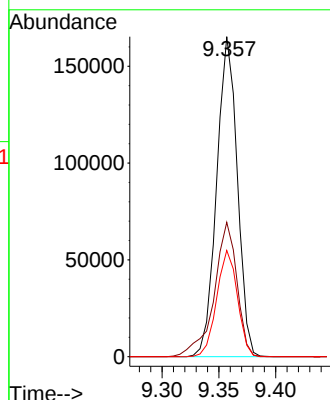
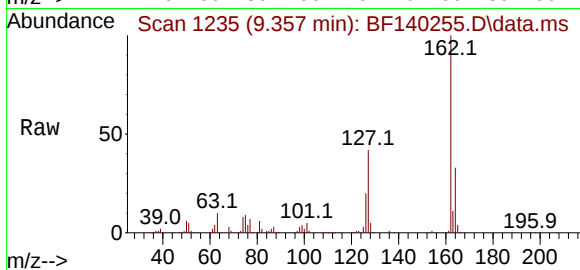
Tgt Ion:162 Resp: 208995

Ion Ratio Lower Upper

162 100

127 42.0 34.8 52.2

164 33.2 27.3 40.9



#48

2-Nitroaniline

Concen: 9.552 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

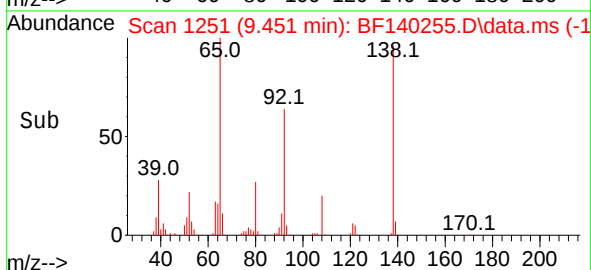
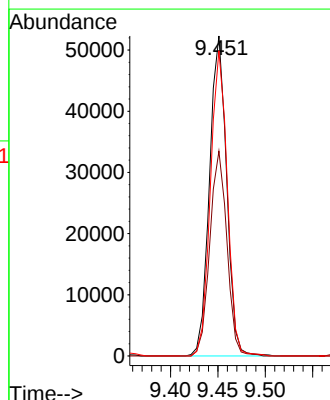
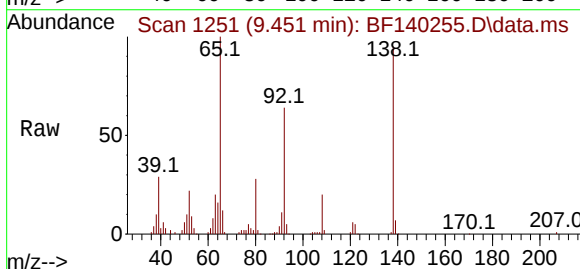
Tgt Ion: 65 Resp: 65723

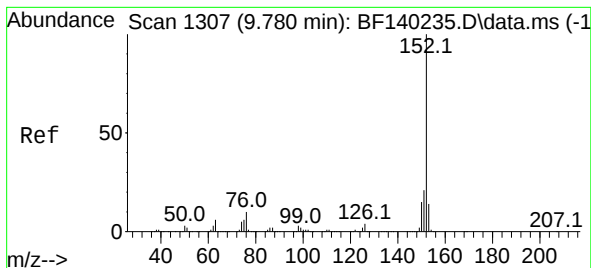
Ion Ratio Lower Upper

65 100

92 64.0 51.6 77.4

138 95.4 73.0 109.6





#49

Acenaphthylene

Concen: 11.488 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

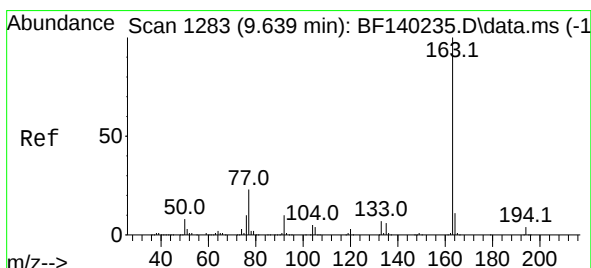
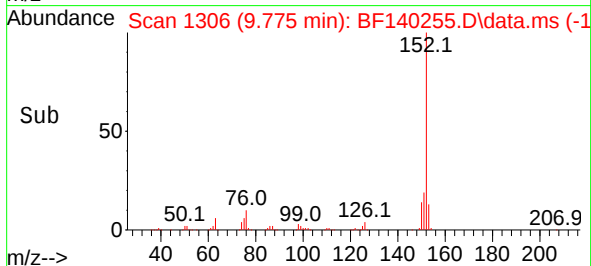
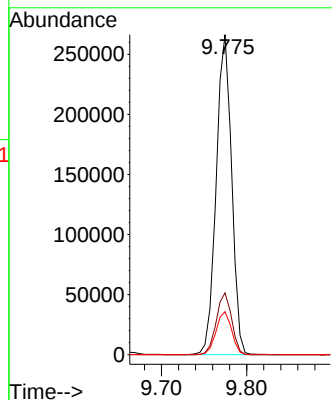
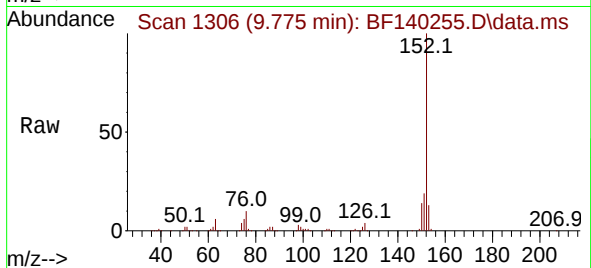
Tgt Ion:152 Resp: 334638

Ion Ratio Lower Upper

152 100

151 19.3 16.4 24.6

153 13.5 11.1 16.7



#50

Dimethylphthalate

Concen: 10.450 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

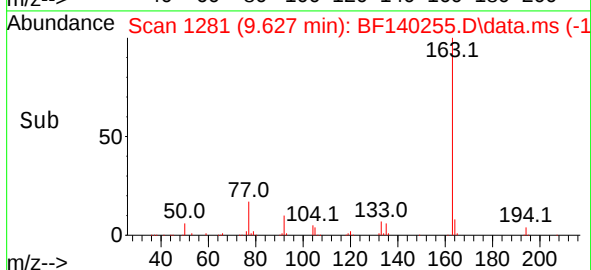
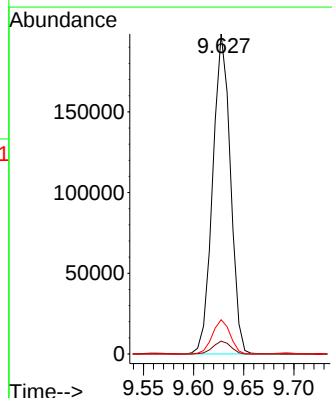
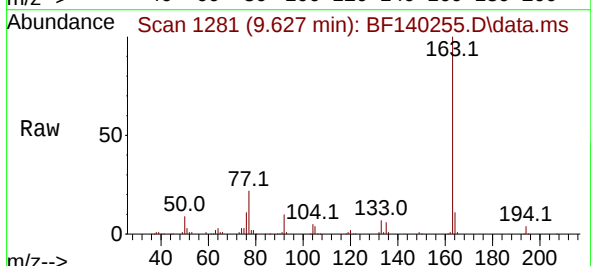
Tgt Ion:163 Resp: 243388

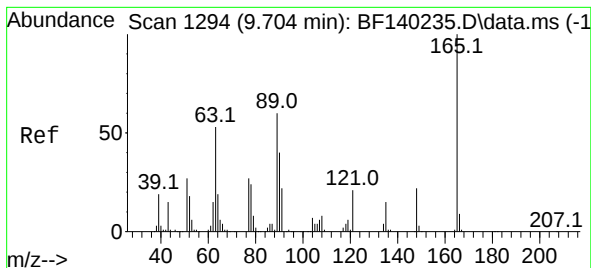
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 10.7 8.6 13.0





#51

2,6-Dinitrotoluene

Concen: 9.553 ng

RT: 9.692 min Scan# 1294

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

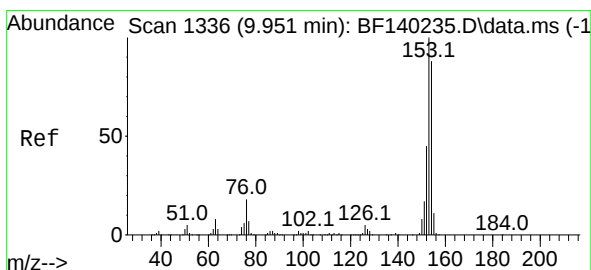
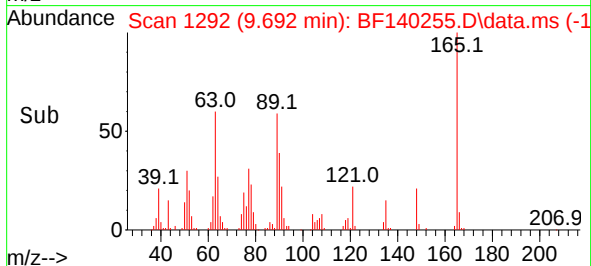
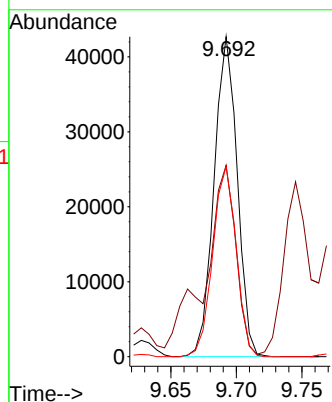
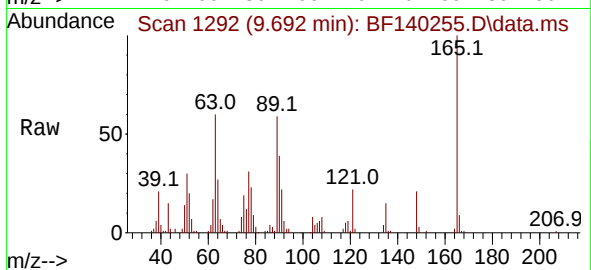
Tgt Ion:165 Resp: 52303

Ion Ratio Lower Upper

165 100

63 59.8 48.8 73.2

89 59.4 48.1 72.1



#52

Acenaphthene

Concen: 9.988 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

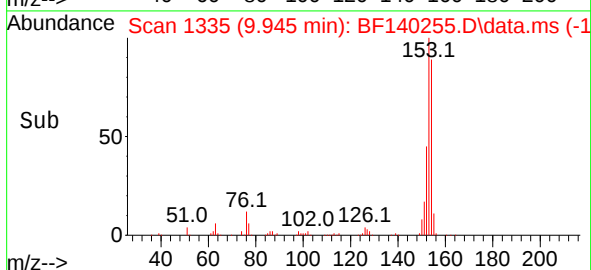
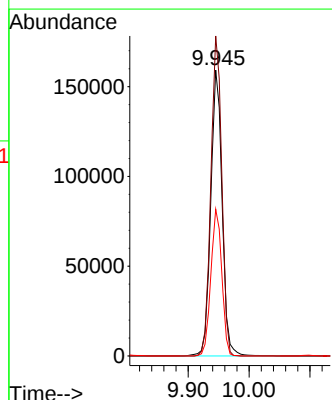
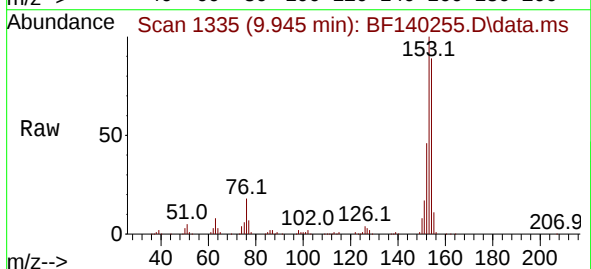
Tgt Ion:154 Resp: 206363

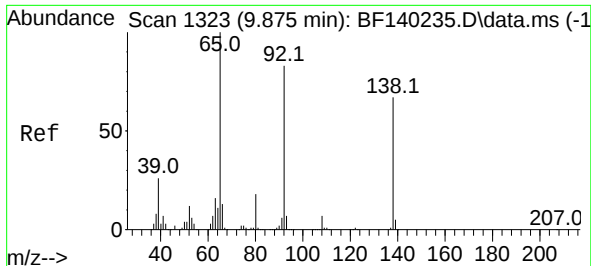
Ion Ratio Lower Upper

154 100

153 111.9 91.3 136.9

152 51.3 41.4 62.2





#53

3-Nitroaniline

Concen: 10.470 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

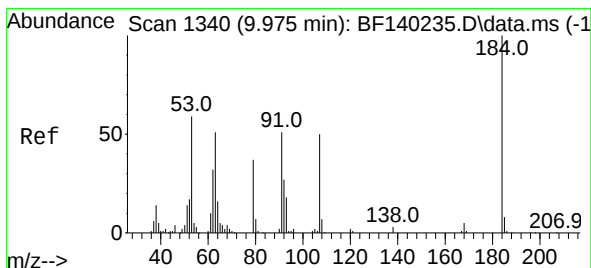
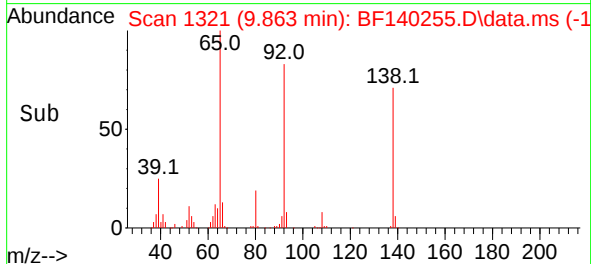
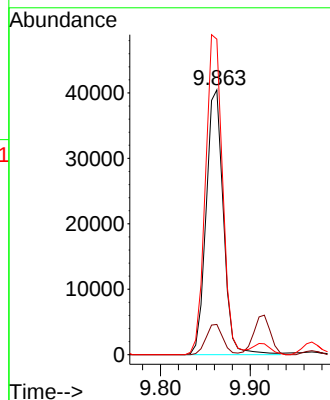
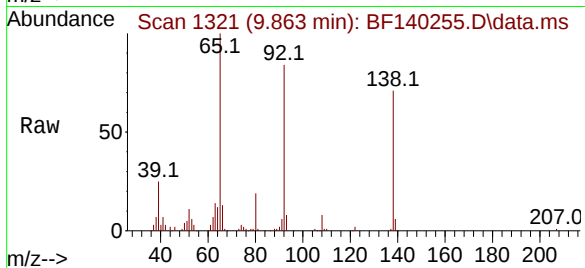
Tgt Ion:138 Resp: 53976

Ion Ratio Lower Upper

138 100

108 11.4 8.8 13.2

92 119.2 100.0 150.0



#54

2,4-Dinitrophenol

Concen: 9.444 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

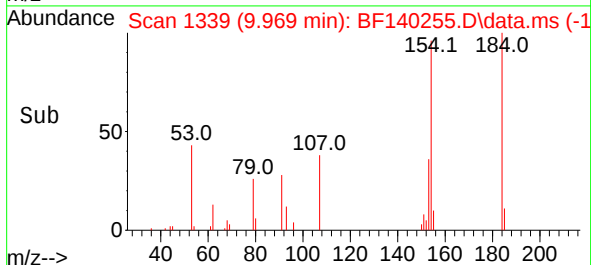
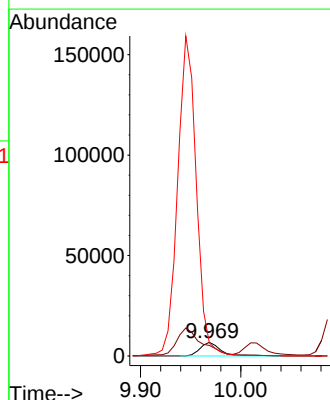
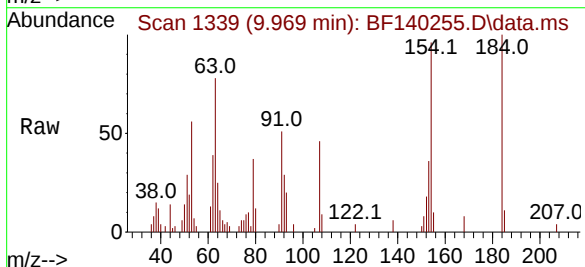
Tgt Ion:184 Resp: 9640

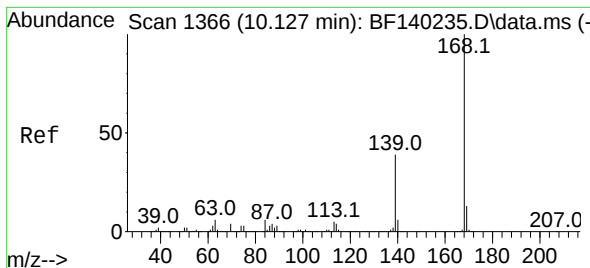
Ion Ratio Lower Upper

184 100

63 77.8 60.1 90.1

154 96.2 66.3 99.5





#55

Dibenzenofuran

Concen: 10.821 ng

RT: 10.116 min Scan# 1364

Delta R.T. -0.011 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

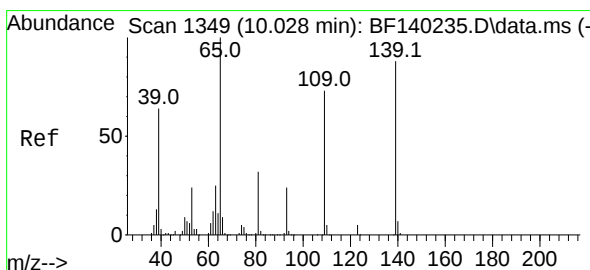
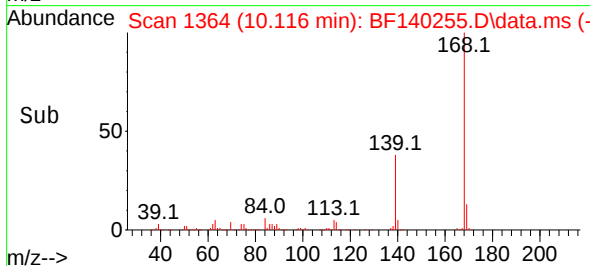
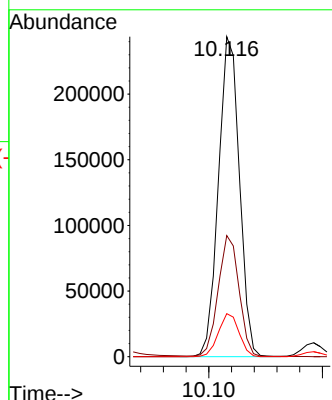
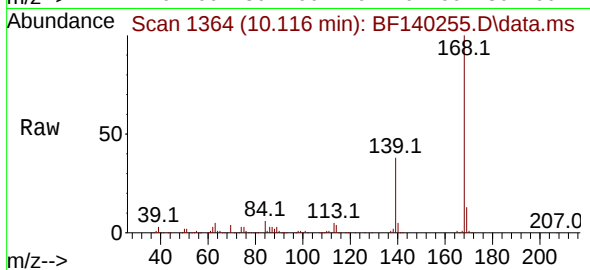
Tgt Ion:168 Resp: 312642

Ion Ratio Lower Upper

168 100

139 37.8 31.5 47.3

169 13.5 10.6 15.8



#56

4-Nitrophenol

Concen: 8.308 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

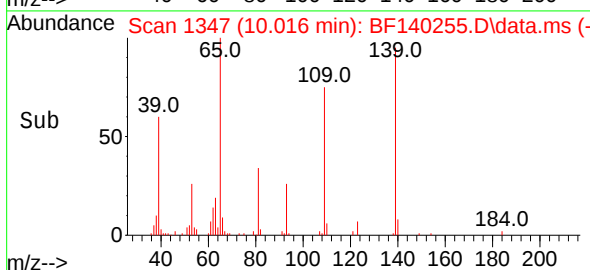
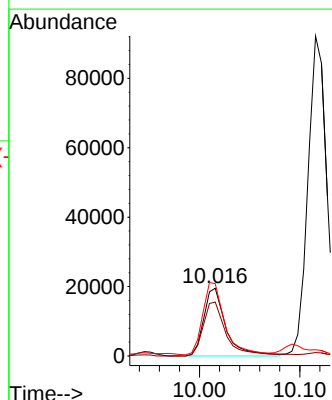
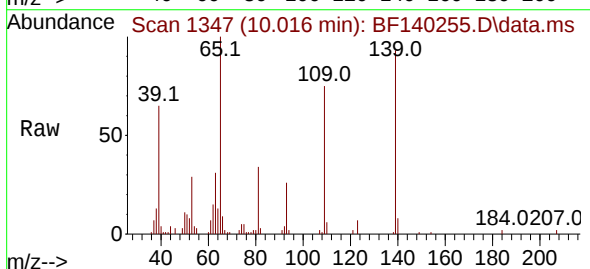
Tgt Ion:139 Resp: 30116

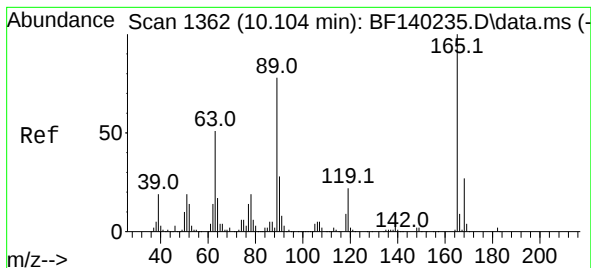
Ion Ratio Lower Upper

139 100

109 79.9 63.8 103.8

65 107.0 94.7 134.7





#57

2,4-Dinitrotoluene

Concen: 9.595 ng

RT: 10.092 min Scan# 141

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 68165

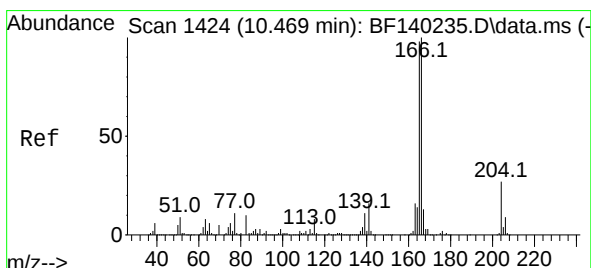
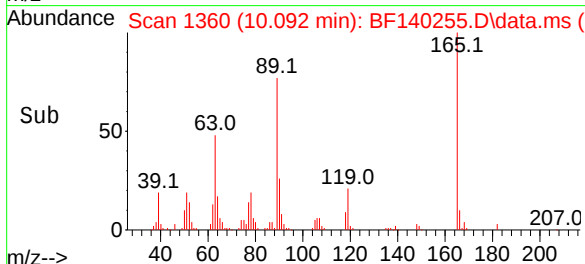
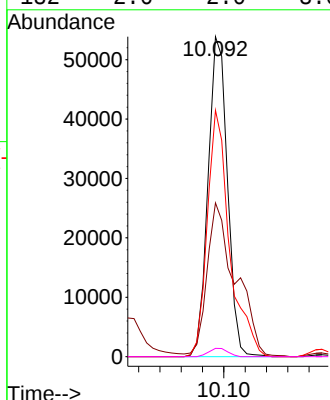
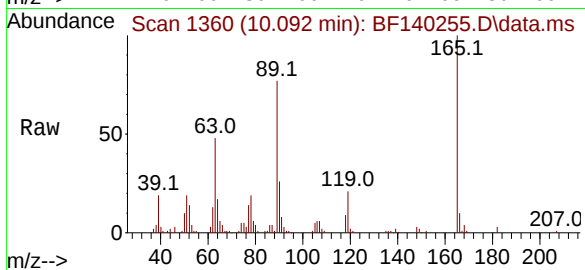
Ion Ratio Lower Upper

165 100

63 48.0 41.3 61.9

89 77.0 62.6 94.0

182 2.6 2.0 3.0



#58

Fluorene

Concen: 10.461 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

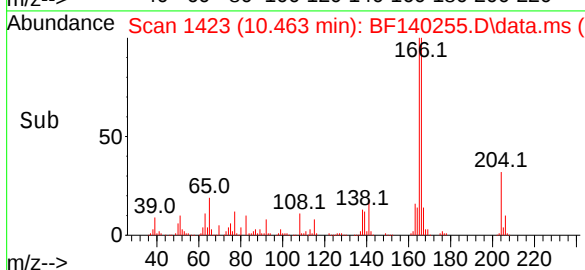
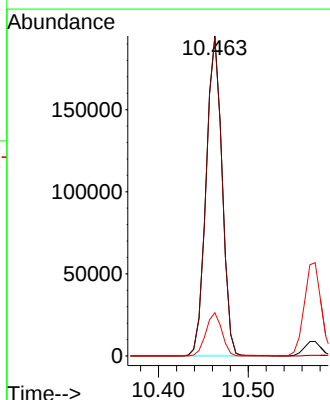
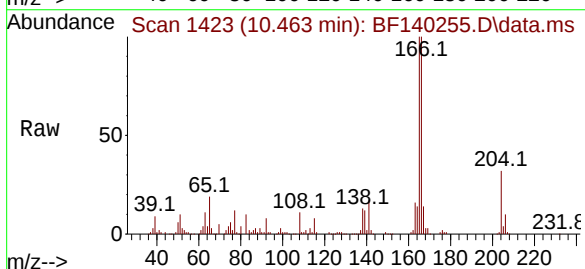
Tgt Ion:166 Resp: 240583

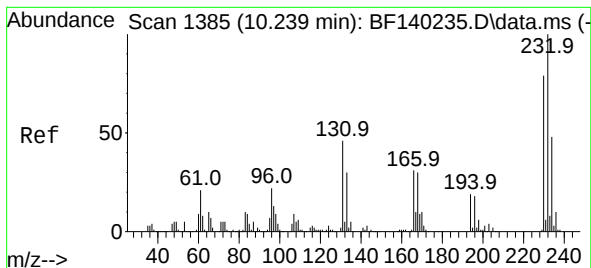
Ion Ratio Lower Upper

166 100

165 99.6 78.7 118.1

167 13.5 10.8 16.2

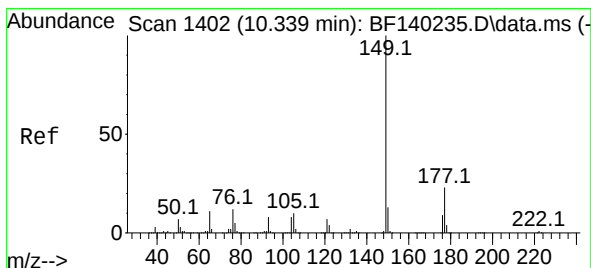
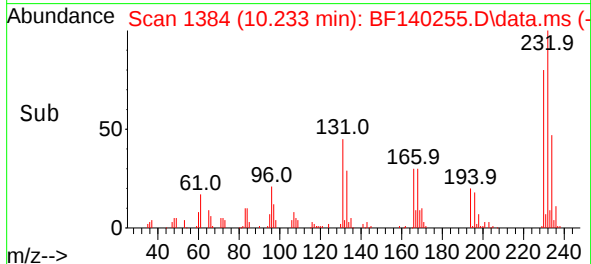
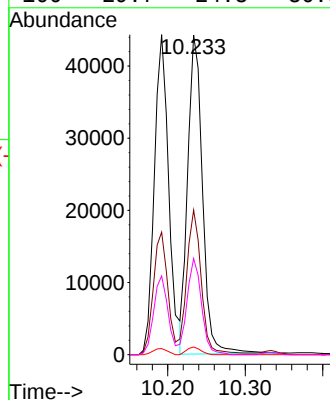
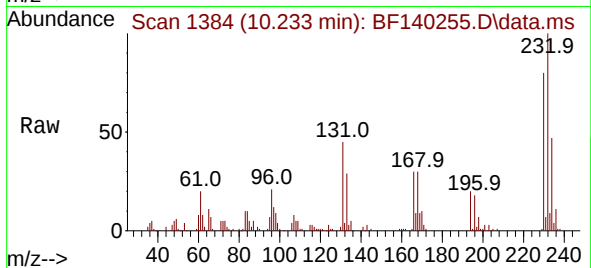




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.906 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

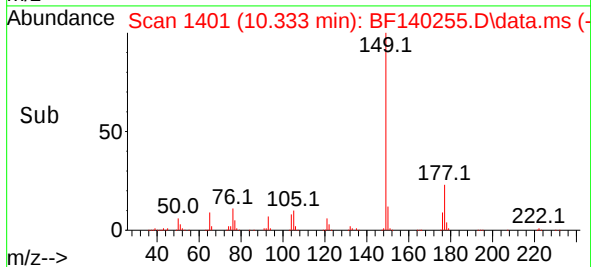
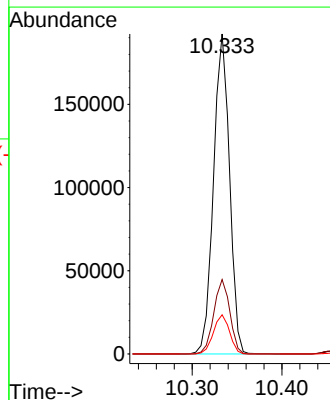
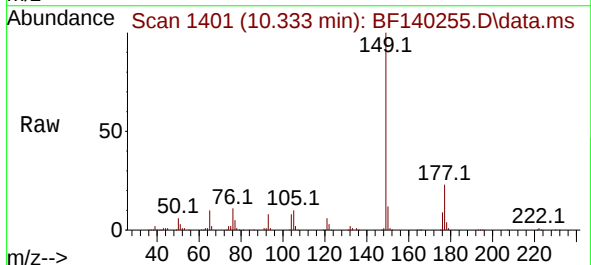
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

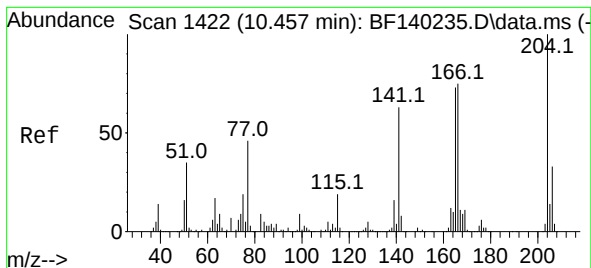
Tgt Ion:232 Resp: 58541
Ion Ratio Lower Upper
232 100
131 45.1 37.2 55.8
130 2.2 1.8 2.8
166 29.7 24.3 36.5



#60
Diethylphthalate
Concen: 10.284 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:149 Resp: 238026
Ion Ratio Lower Upper
149 100
177 23.2 18.1 27.1
150 12.3 10.2 15.4

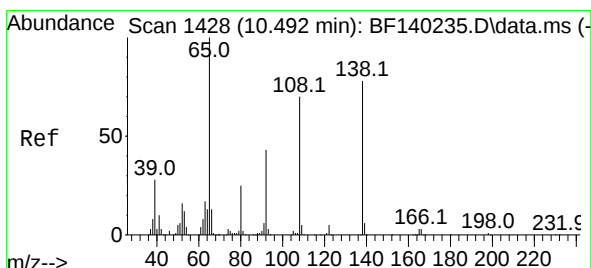
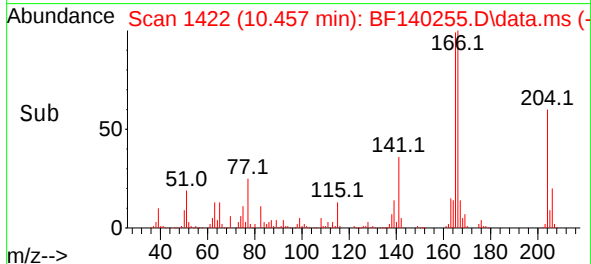
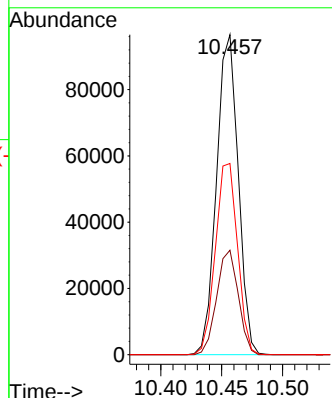
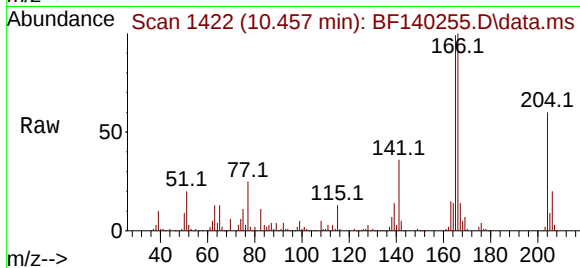




#61
4-Chlorophenyl-phenylether
Concen: 10.340 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

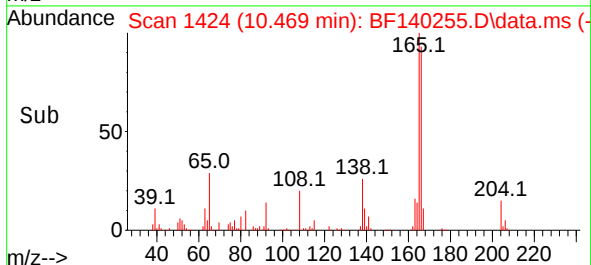
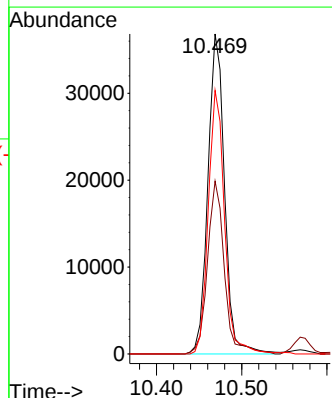
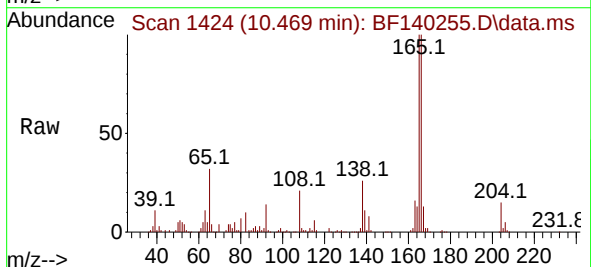
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

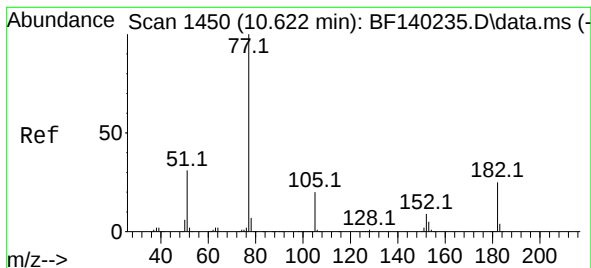
Tgt Ion:204 Resp: 119852
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.4
141 59.8 50.3 75.5



#62
4-Nitroaniline
Concen: 9.769 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:138 Resp: 50047
Ion Ratio Lower Upper
138 100
92 54.0 35.3 75.3
108 82.3 70.1 110.1





#63

Azobenzene

Concen: 10.335 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 77 Resp: 247963

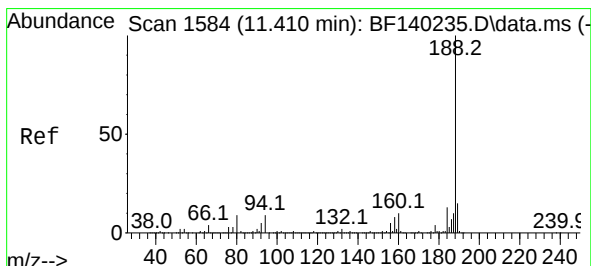
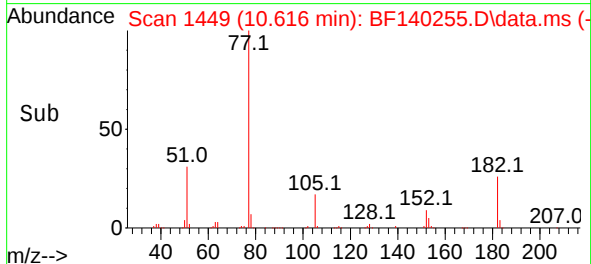
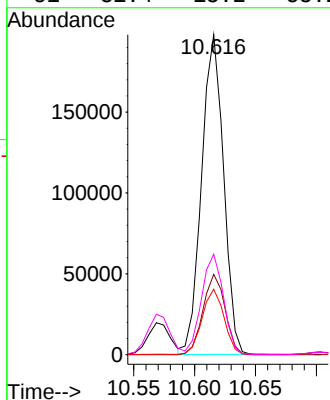
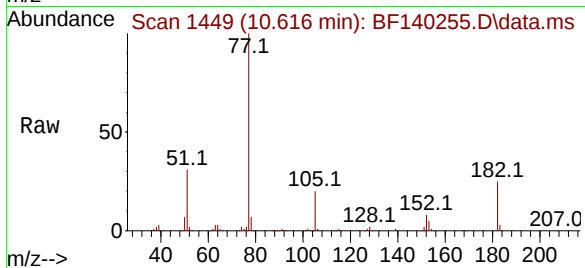
Ion Ratio Lower Upper

77 100

182 25.1 4.7 44.7

105 20.4 0.0 40.0

51 31.4 13.2 53.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

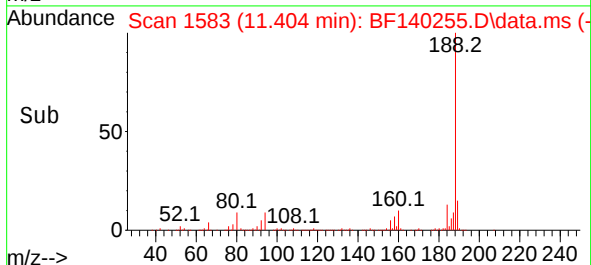
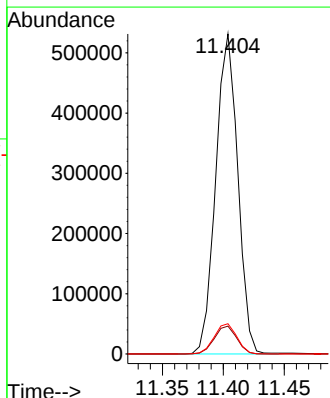
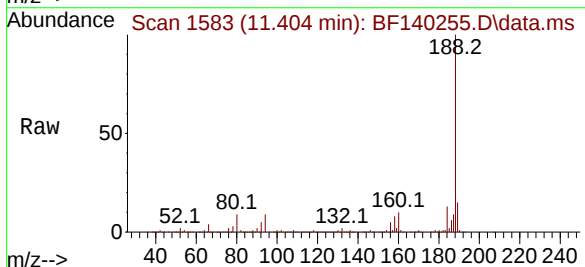
Tgt Ion: 188 Resp: 670348

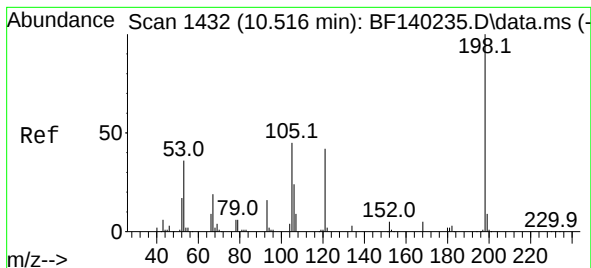
Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

80 9.5 7.5 11.3

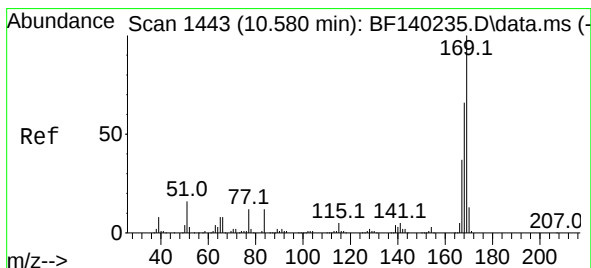
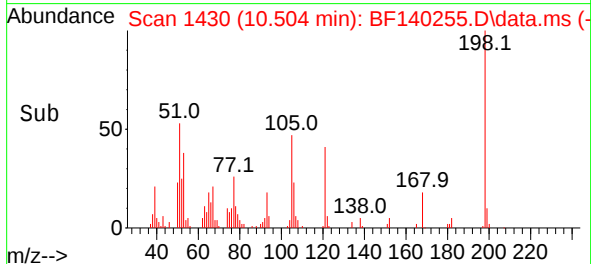
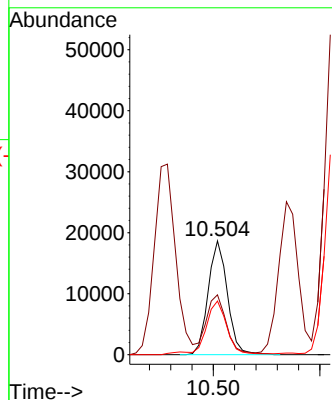
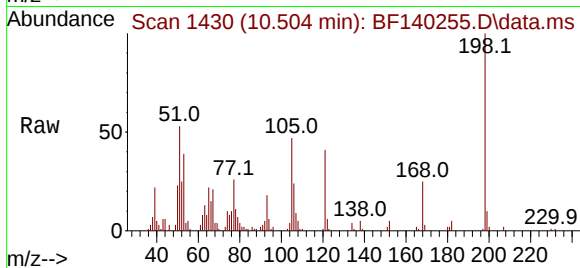




#65
4,6-Dinitro-2-methylphenol
Concen: 6.649 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

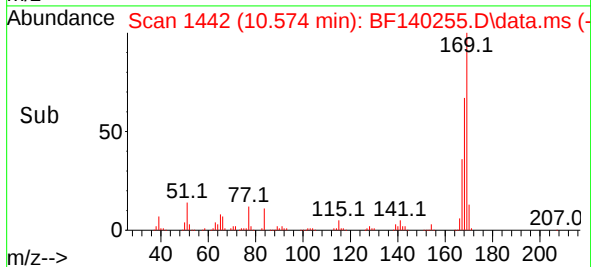
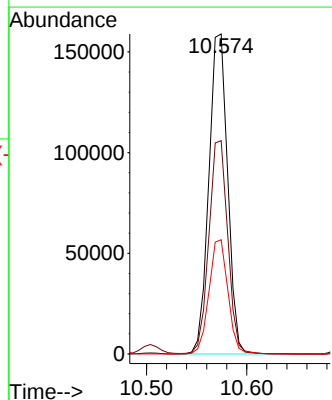
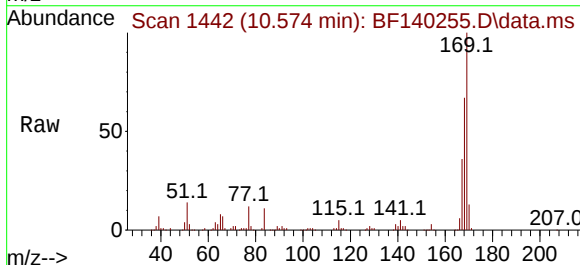
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

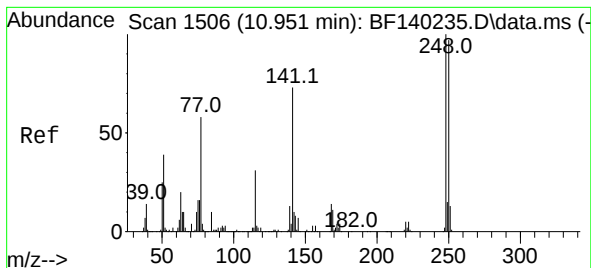
Tgt Ion:198 Resp: 23410
Ion Ratio Lower Upper
198 100
51 52.6 34.0 74.0
105 47.1 25.1 65.1



#66
n-Nitrosodiphenylamine
Concen: 10.749 ng
RT: 10.574 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:169 Resp: 207241
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.6
167 35.7 29.4 44.2

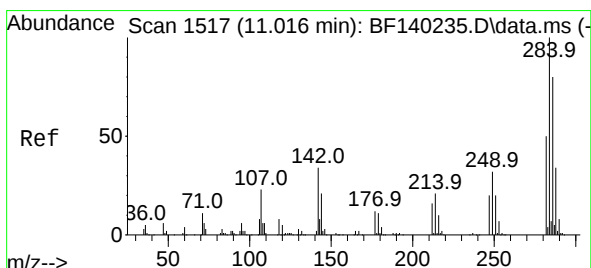
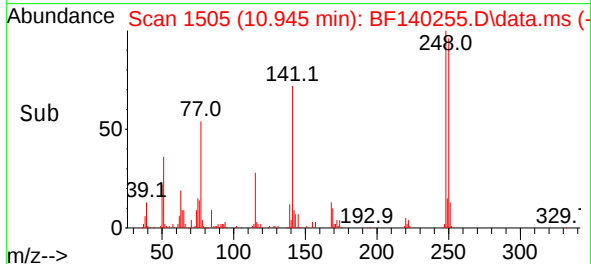
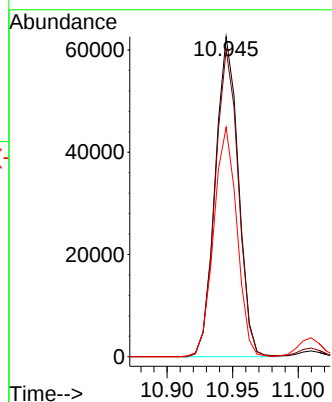
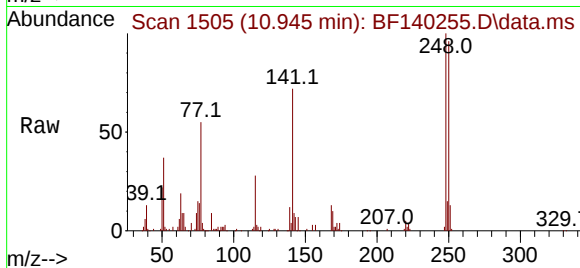




#67
4-Bromophenyl-phenylether
Concen: 10.650 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

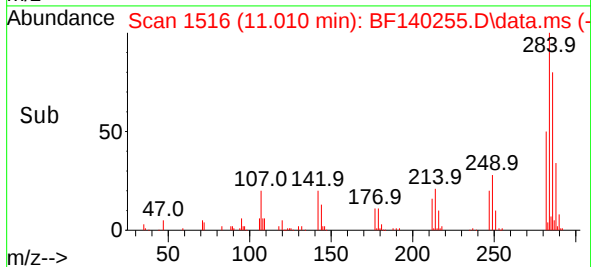
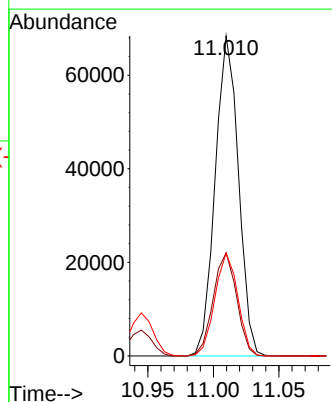
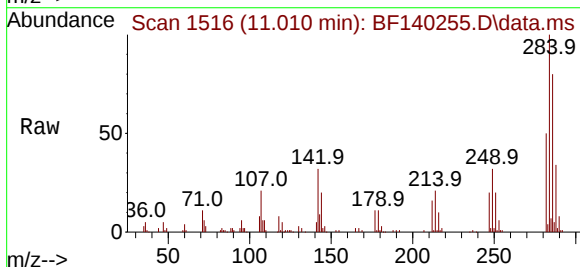
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

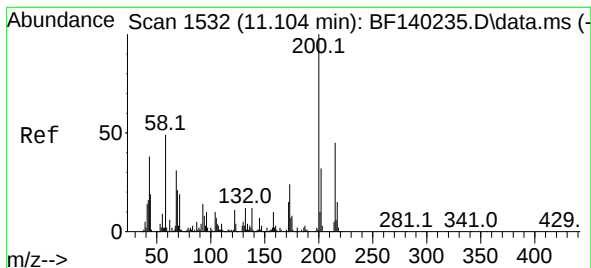
Tgt Ion:248 Resp: 76875
Ion Ratio Lower Upper
248 100
250 95.9 77.9 116.9
141 71.7 58.6 88.0



#68
Hexachlorobenzene
Concen: 10.243 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:284 Resp: 84280
Ion Ratio Lower Upper
284 100
142 32.3 27.5 41.3
249 32.1 26.2 39.2





#69

Atrazine

Concen: 13.456 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

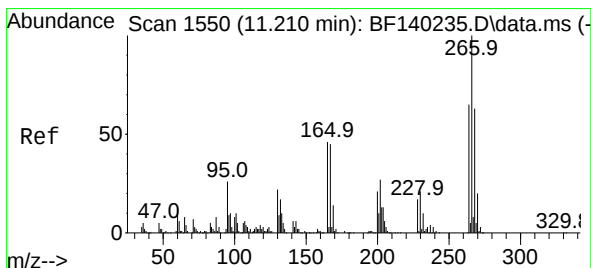
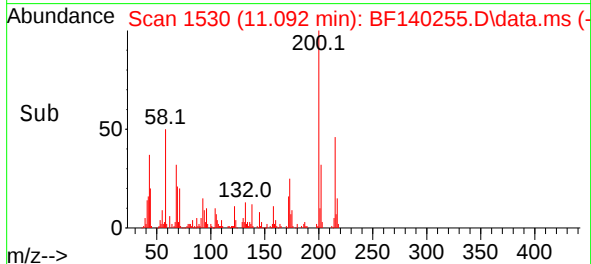
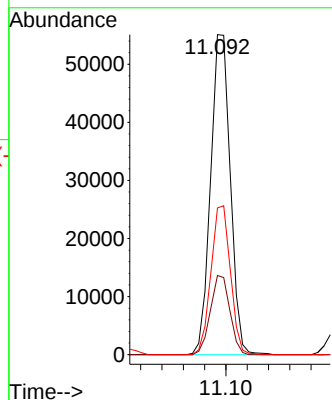
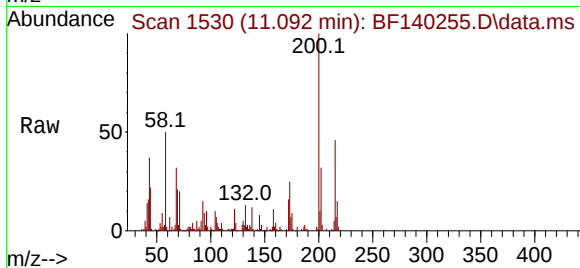
Tgt Ion:200 Resp: 70977

Ion Ratio Lower Upper

200 100

173 24.7 4.4 44.4

215 45.9 25.2 65.2



#70

Pentachlorophenol

Concen: 7.419 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

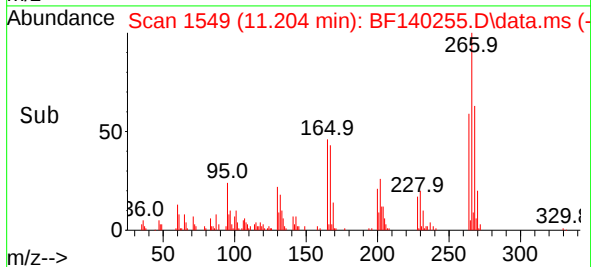
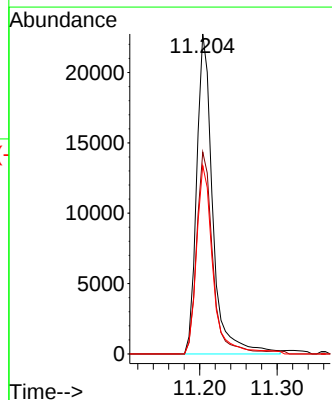
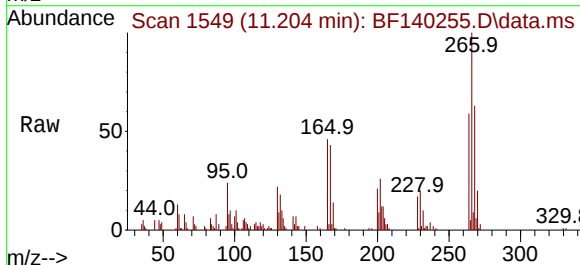
Tgt Ion:266 Resp: 32781

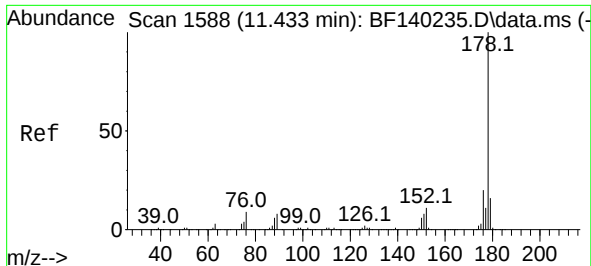
Ion Ratio Lower Upper

266 100

268 63.1 50.2 75.4

264 58.8 52.2 78.4

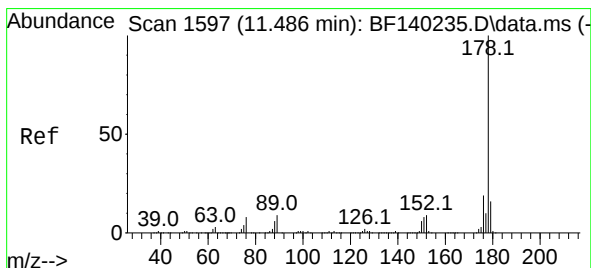
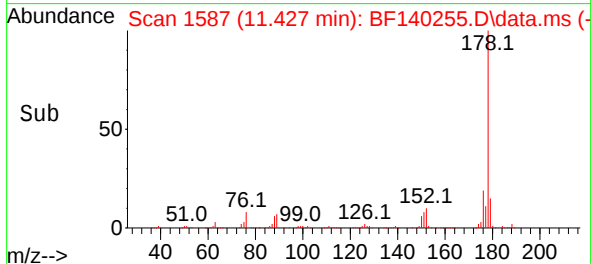
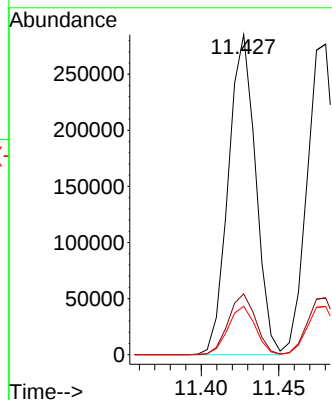
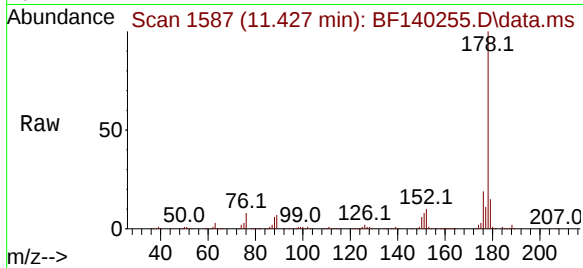




#71
Phenanthrene
Concen: 10.913 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

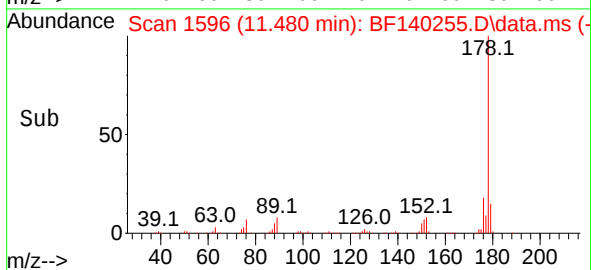
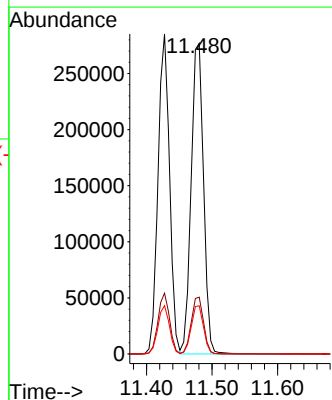
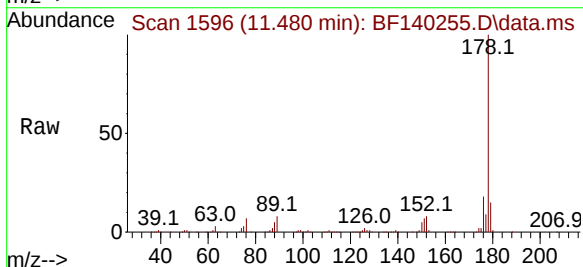
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

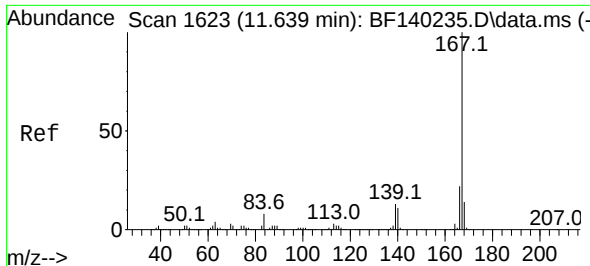
Tgt Ion:178 Resp: 349124
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.1 12.6 18.8



#72
Anthracene
Concen: 11.552 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:178 Resp: 362392
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.5 12.7 19.1

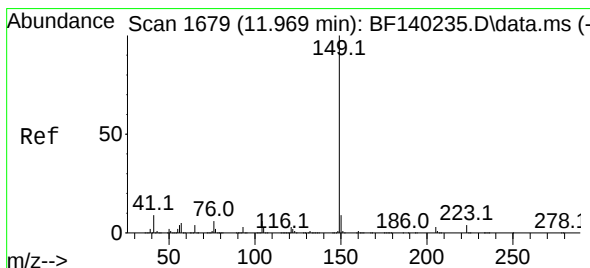
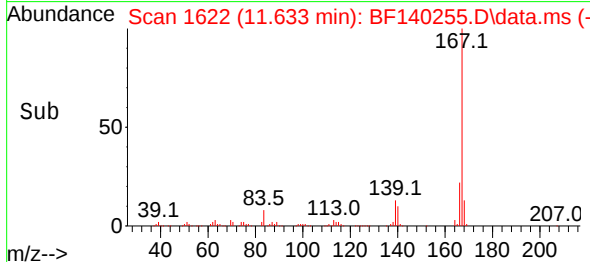
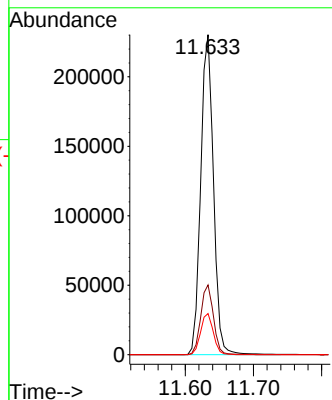
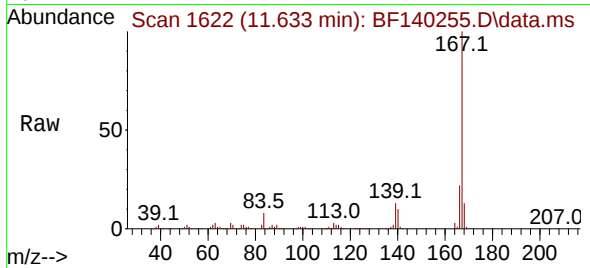




#73
 Carbazole
 Concen: 10.436 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140255.D
 Acq: 06 Nov 2024 13:34

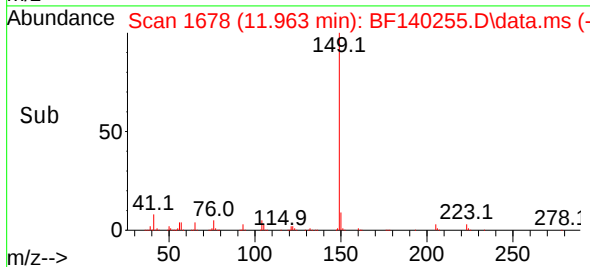
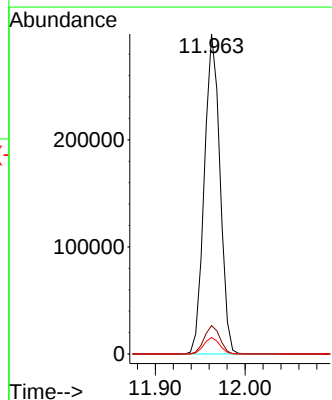
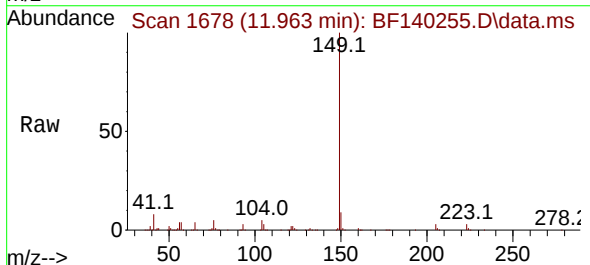
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

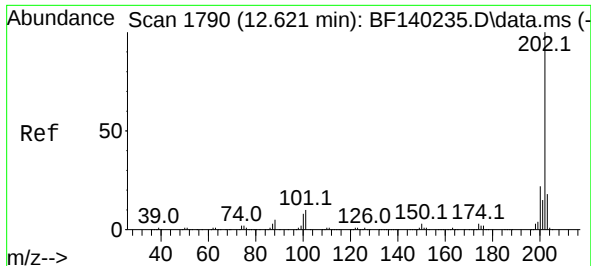
Tgt Ion:167 Resp: 299120
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 12.9 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 10.650 ng
 RT: 11.963 min Scan# 1678
 Delta R.T. -0.006 min
 Lab File: BF140255.D
 Acq: 06 Nov 2024 13:34

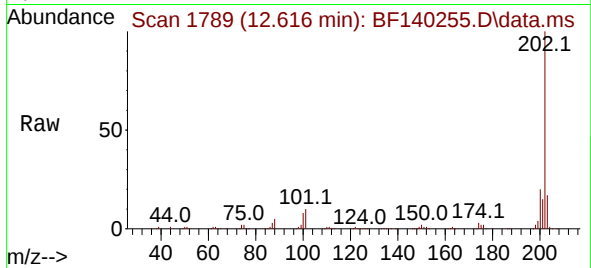
Tgt Ion:149 Resp: 361358
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.4 11.2
 104 5.2 4.5 6.7



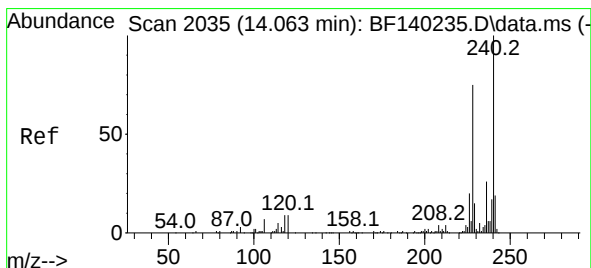
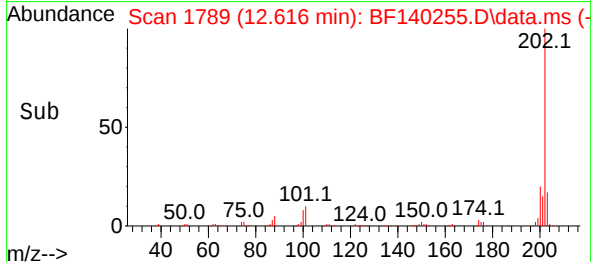
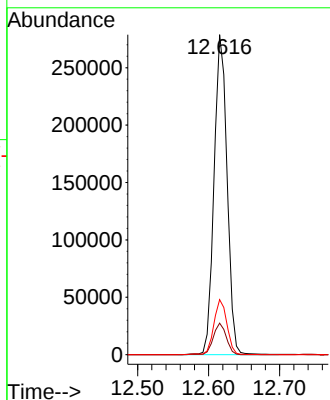


#75
Fluoranthene
Concen: 10.587 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

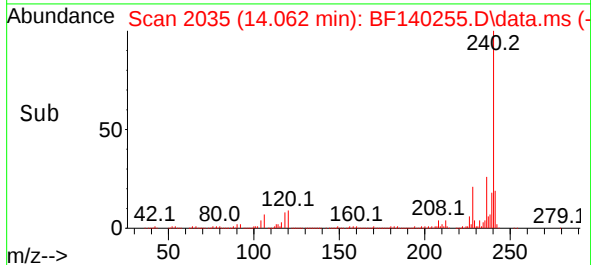
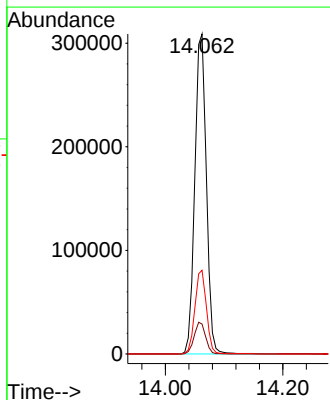
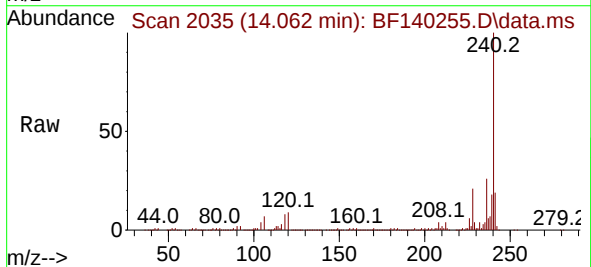


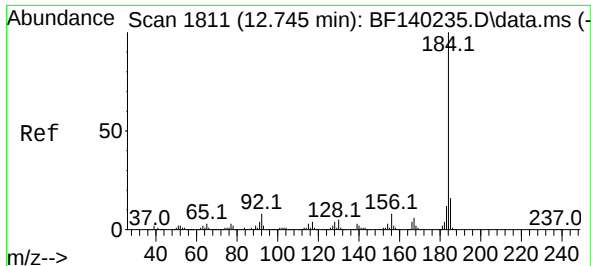
Tgt Ion:202 Resp: 354155
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.4
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:240 Resp: 422007
Ion Ratio Lower Upper
240 100
120 9.3 7.5 11.3
236 26.1 20.9 31.3

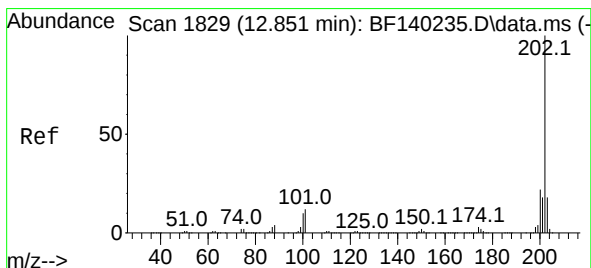
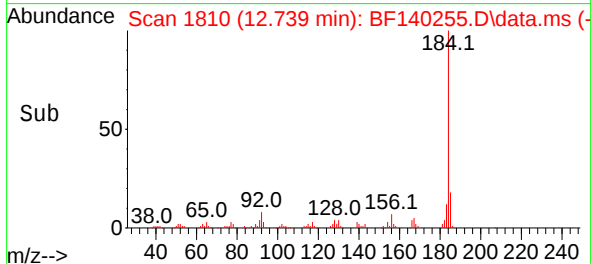
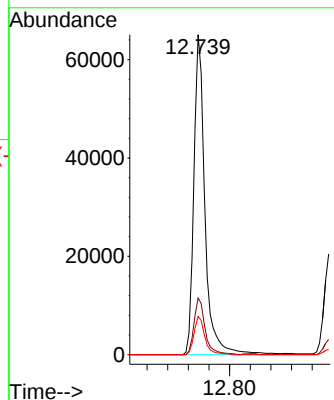
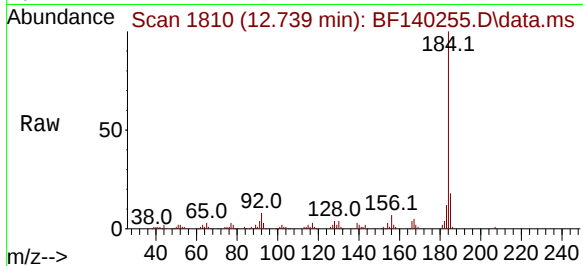




#77
Benzidine
Concen: 11.784 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

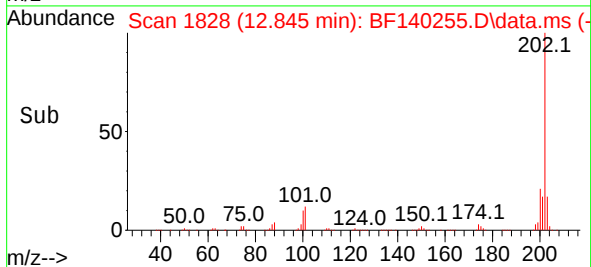
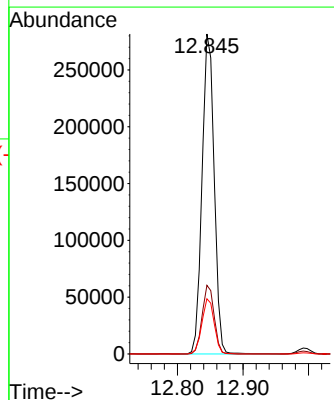
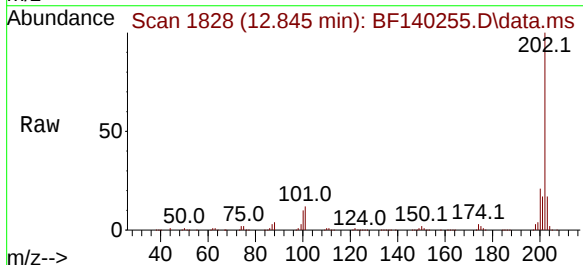
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

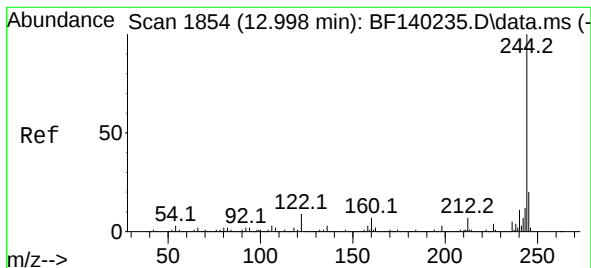
Tgt Ion:184 Resp: 97226
Ion Ratio Lower Upper
184 100
185 17.7 12.5 18.7
183 12.0 9.3 13.9



#78
Pyrene
Concen: 10.433 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:202 Resp: 363527
Ion Ratio Lower Upper
202 100
200 21.4 17.5 26.3
203 17.3 14.4 21.6





#79

Terphenyl-d14

Concen: 76.798 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

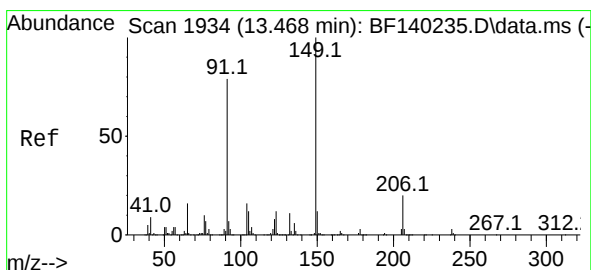
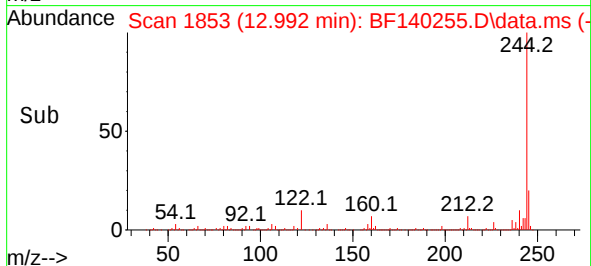
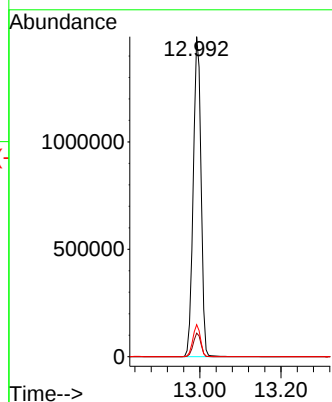
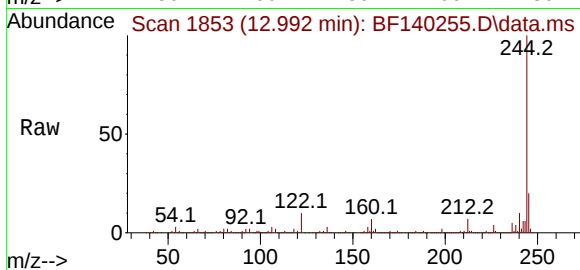
Tgt Ion:244 Resp: 1978421

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 10.0 7.6 11.4



#80

Butylbenzylphthalate

Concen: 10.290 ng

RT: 13.468 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

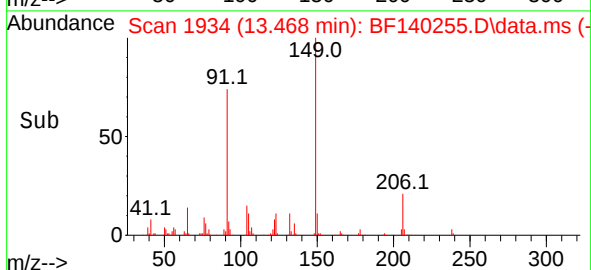
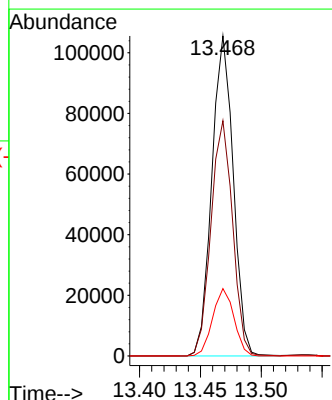
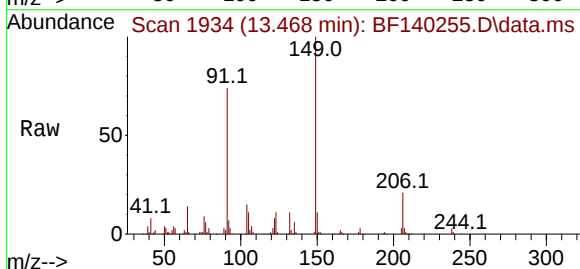
Tgt Ion:149 Resp: 129108

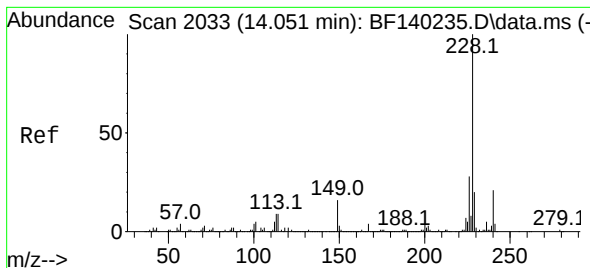
Ion Ratio Lower Upper

149 100

91 73.5 63.0 94.4

206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 10.594 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

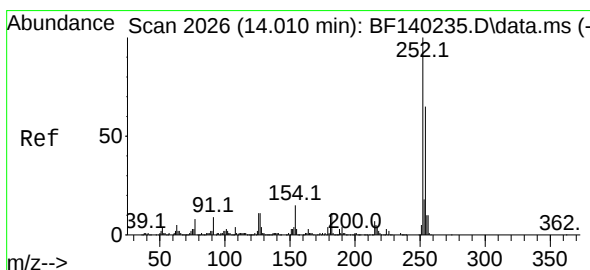
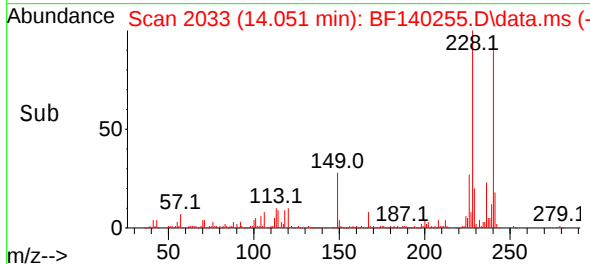
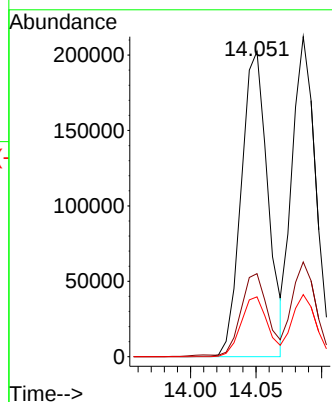
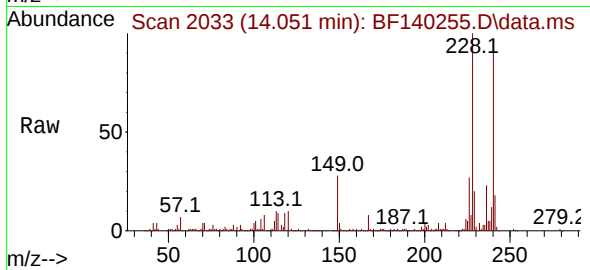
Tgt Ion:228 Resp: 286920

Ion Ratio Lower Upper

228 100

226 27.2 22.3 33.5

229 19.6 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 9.708 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

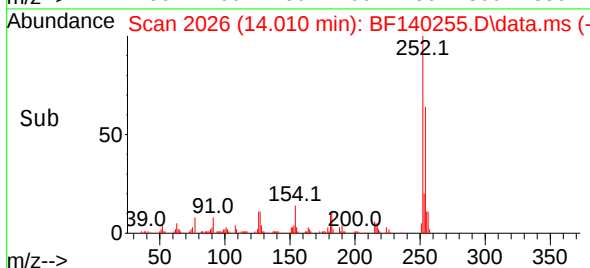
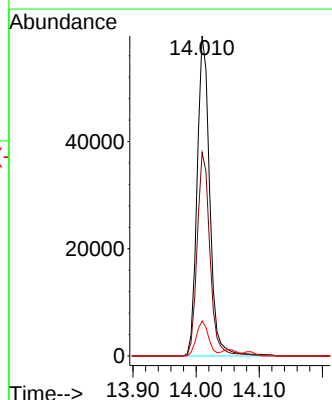
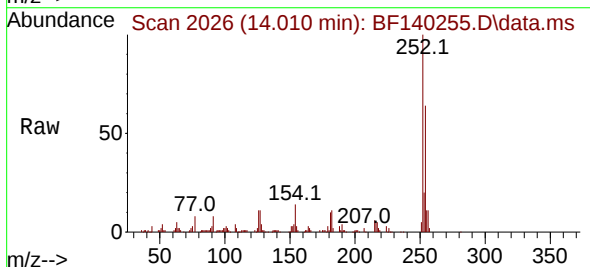
Tgt Ion:252 Resp: 82563

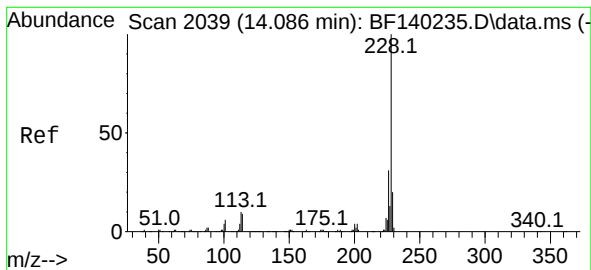
Ion Ratio Lower Upper

252 100

254 63.6 51.8 77.8

126 11.0 8.6 12.8





#83

Chrysene

Concen: 10.507 ng

RT: 14.086 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

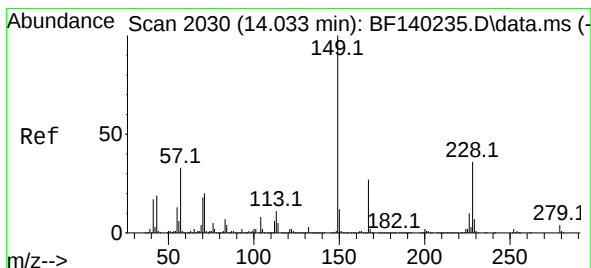
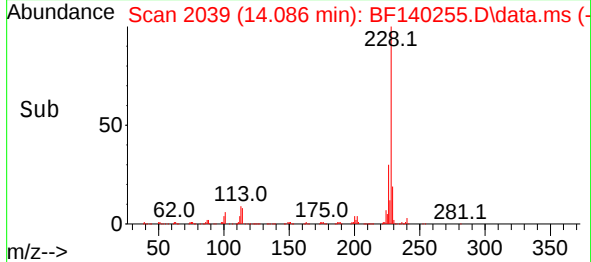
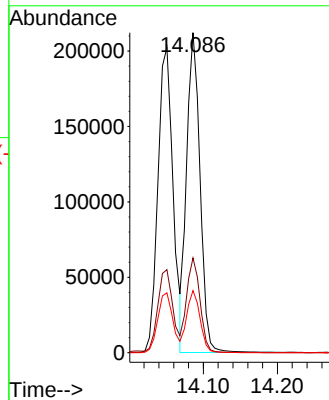
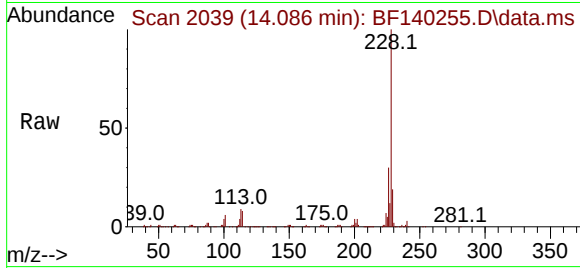
Tgt Ion:228 Resp: 266469

Ion Ratio Lower Upper

228 100

226 29.6 24.6 36.8

229 19.4 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.442 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

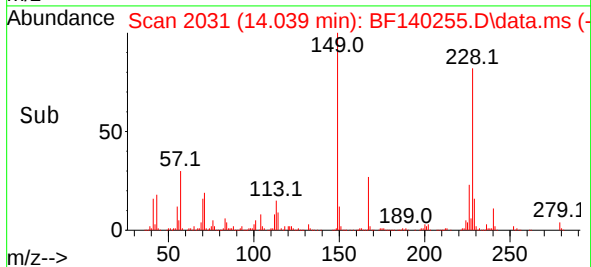
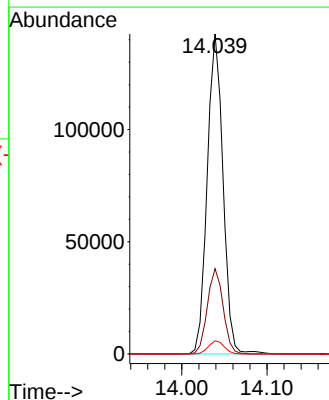
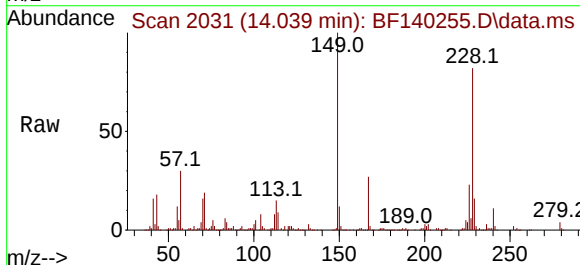
Tgt Ion:149 Resp: 183618

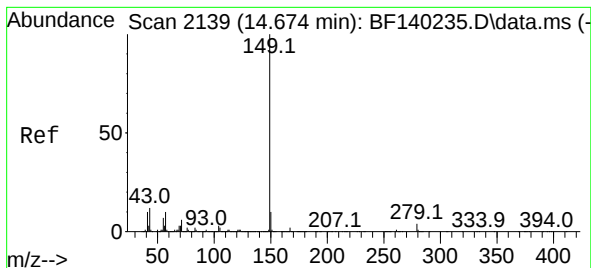
Ion Ratio Lower Upper

149 100

167 26.7 21.8 32.8

279 4.1 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 9.609 ng

RT: 14.686 min Scan# 2141

Delta R.T. 0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

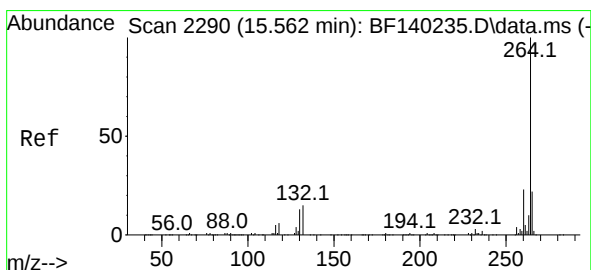
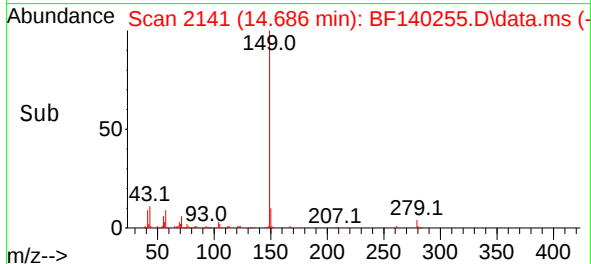
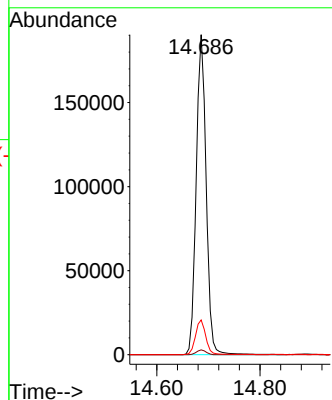
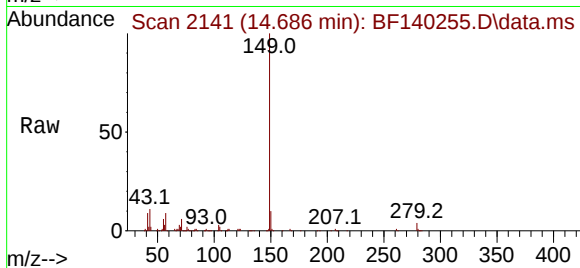
Tgt Ion:149 Resp: 254335

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 11.3 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2292

Delta R.T. 0.012 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

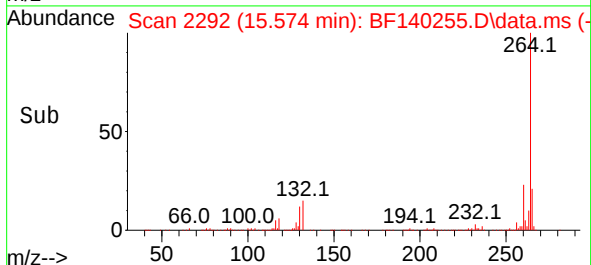
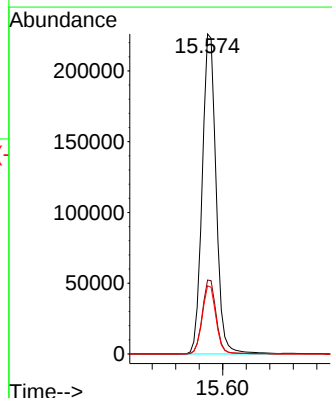
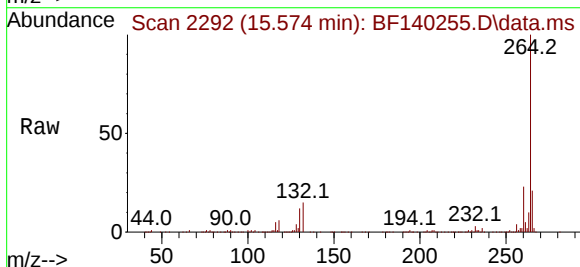
Tgt Ion:264 Resp: 370601

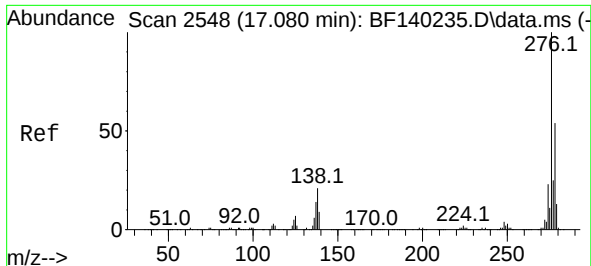
Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

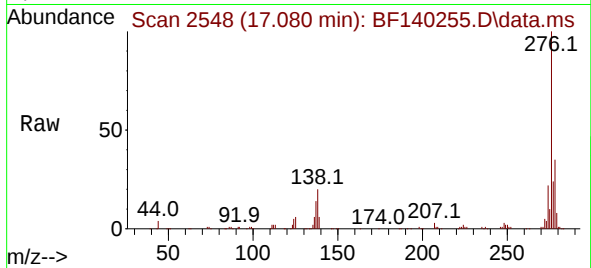
265 21.3 17.3 25.9



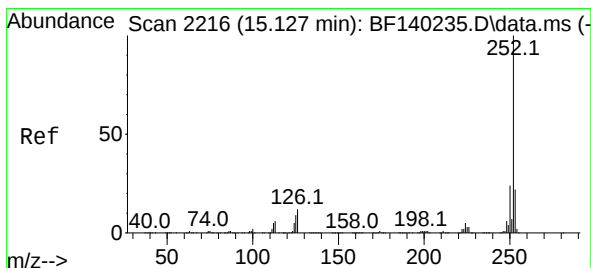
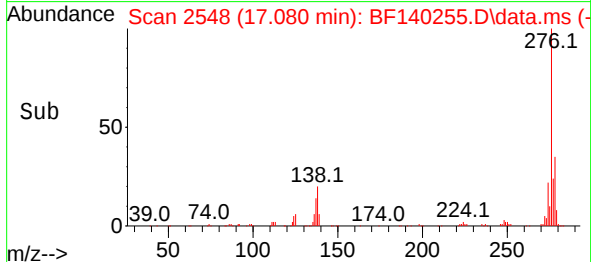
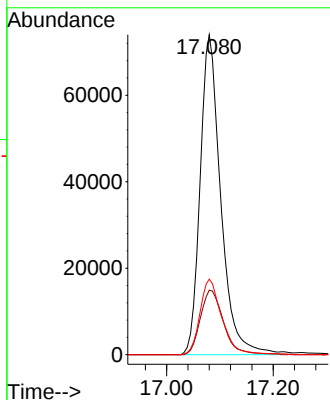


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.138 ng
 RT: 17.080 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF140255.D
 Acq: 06 Nov 2024 13:34

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

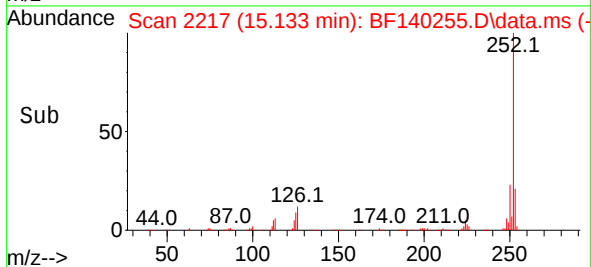
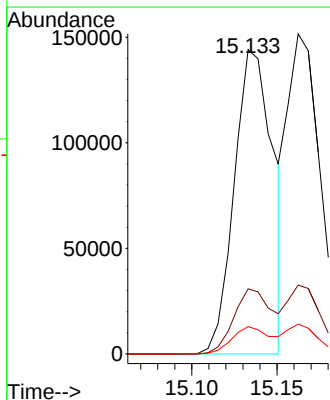
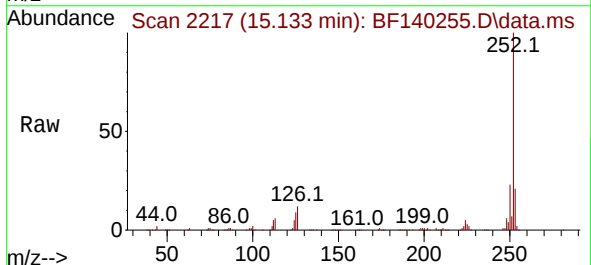


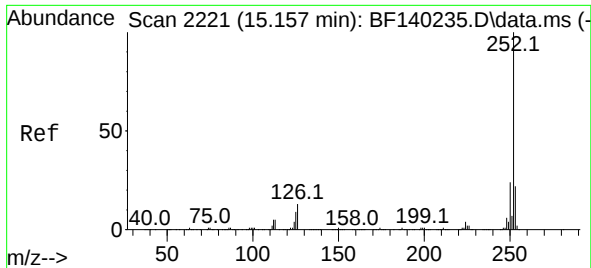
Tgt Ion:276 Resp: 198782
 Ion Ratio Lower Upper
 276 100
 138 22.5 17.6 26.4
 277 25.1 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 10.154 ng
 RT: 15.133 min Scan# 2217
 Delta R.T. 0.006 min
 Lab File: BF140255.D
 Acq: 06 Nov 2024 13:34

Tgt Ion:252 Resp: 227619
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.9 26.9
 125 9.0 7.0 10.6

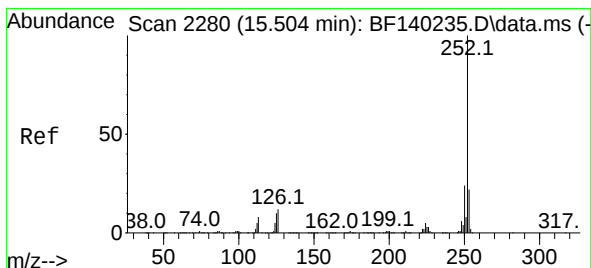
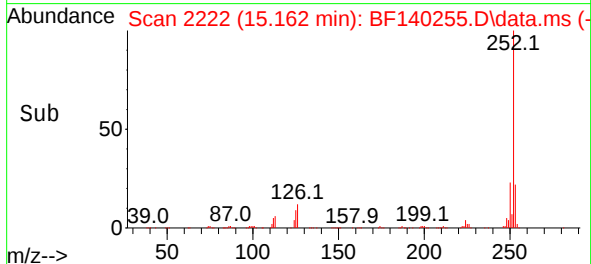
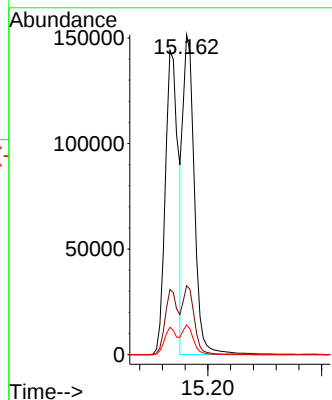
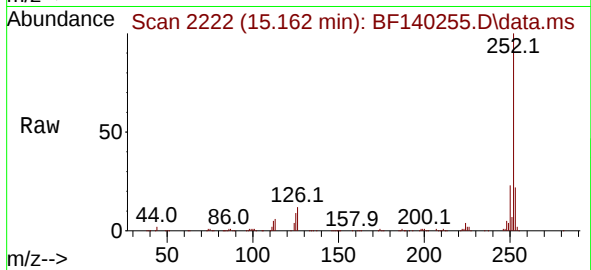




#89
Benzo(k)fluoranthene
Concen: 10.324 ng
RT: 15.162 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

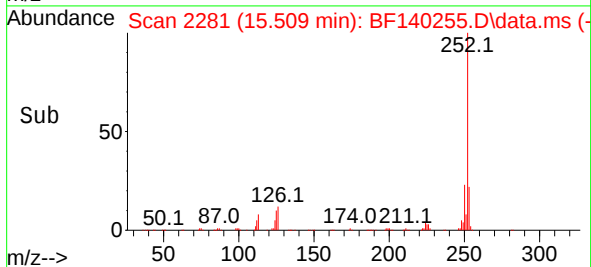
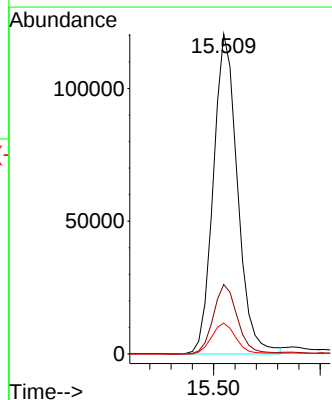
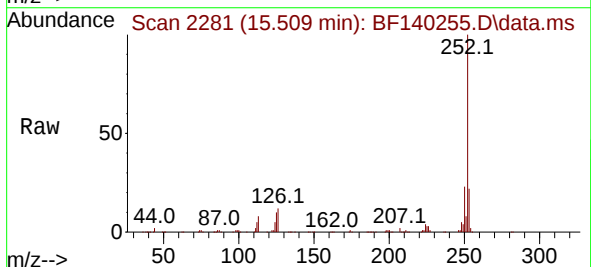
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

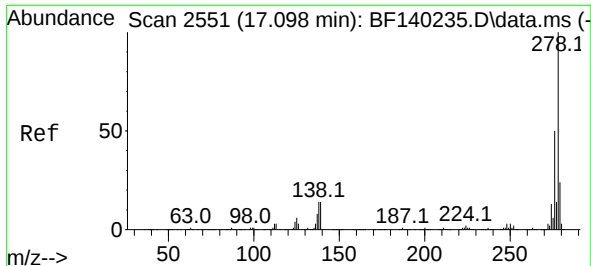
Tgt Ion:252 Resp: 212367
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 9.3 7.2 10.8



#90
Benzo(a)pyrene
Concen: 10.295 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF140255.D
Acq: 06 Nov 2024 13:34

Tgt Ion:252 Resp: 190268
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.7 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 9.026 ng

RT: 17.098 min Scan# 2551

Delta R.T. -0.000 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

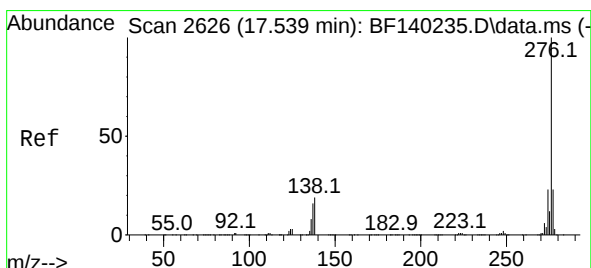
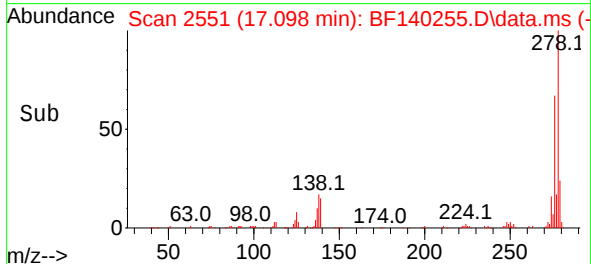
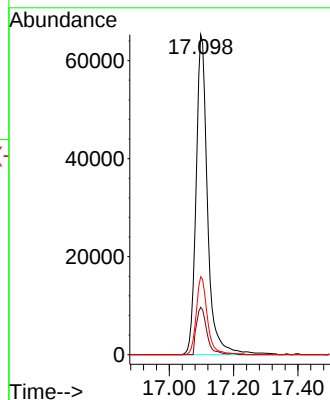
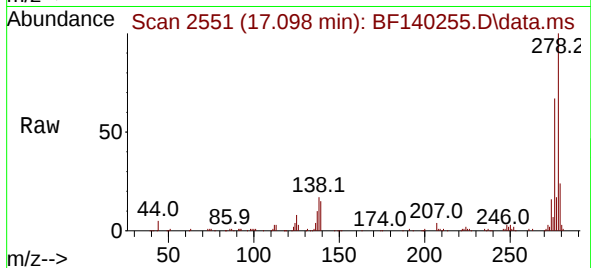
Tgt Ion:278 Resp: 161538

Ion Ratio Lower Upper

278 100

139 14.8 11.1 16.7

279 24.3 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 8.382 ng

RT: 17.533 min Scan# 2625

Delta R.T. -0.006 min

Lab File: BF140255.D

Acq: 06 Nov 2024 13:34

Tgt Ion:276 Resp: 153045

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 18.6 15.3 22.9

