

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140241.D
 Acq On : 05 Nov 2024 17:03
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Nov 05 23:42:36 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 23:41:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	197180	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	740292	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	436661	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	784603	20.000	ng	0.00
76) Chrysene-d12	14.057	240	504679	20.000	ng	0.00
86) Perylene-d12	15.568	264	426376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1261138	105.993	ng	0.00
7) Phenol-d6	6.504	99	1647077	107.623	ng	0.00
23) Nitrobenzene-d5	7.440	82	1170743	78.628	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	500953	116.064	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2091802	76.494	ng	0.00
79) Terphenyl-d14	12.992	244	2289131	74.303	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	26221	4.793	ng	97
3) Pyridine	3.487	79	58430	4.378	ng	97
4) n-Nitrosodimethylamine	3.369	42	34640	4.495	ng	# 92
6) Aniline	6.540	93	84094	6.082	ng	98
8) 2-Chlorophenol	6.663	128	63159	5.073	ng	93
9) Benzaldehyde	6.428	77	57180	6.065	ng	97
10) Phenol	6.516	94	83084	5.112	ng	# 76
11) bis(2-Chloroethyl)ether	6.610	93	61190	4.956	ng	99
12) 1,3-Dichlorobenzene	6.816	146	73483	5.037	ng	97
13) 1,4-Dichlorobenzene	6.893	146	72536	4.930	ng	99
14) 1,2-Dichlorobenzene	7.045	146	69124	5.030	ng	97
15) Benzyl Alcohol	7.010	79	75000	6.357	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.145	45	103384	5.173	ng	99
17) 2-Methylphenol	7.116	107	49413	4.758	ng	98
18) Hexachloroethane	7.387	117	25741	4.697	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	49048	5.024	ng	100
20) 3+4-Methylphenols	7.269	107	64055	4.911	ng	99
22) Acetophenone	7.275	105	98003	5.339	ng	97
24) Nitrobenzene	7.451	77	76716	4.910	ng	100
25) Isophorone	7.687	82	131050	5.112	ng	99
26) 2-Nitrophenol	7.769	139	29172	4.694	ng	97
27) 2,4-Dimethylphenol	7.798	122	32323	3.823	ng	96
28) bis(2-Chloroethoxy)met...	7.898	93	76693	4.999	ng	100
29) 2,4-Dichlorophenol	8.004	162	49806	4.762	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	61052	4.871	ng	99
31) Naphthalene	8.175	128	190755	4.990	ng	99
32) Benzoic acid	7.857	122	18635	2.686	ng	92
33) 4-Chloroaniline	8.222	127	69445	5.518	ng	99
34) Hexachlorobutadiene	8.292	225	38784	4.572	ng	98
35) Caprolactam	8.551	113	15445	4.854	ng	98
36) 4-Chloro-3-methylphenol	8.698	107	54354	4.667	ng	93
37) 2-Methylnaphthalene	8.863	142	129929	5.208	ng	99
38) 1-Methylnaphthalene	8.963	142	120674	4.935	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	64800	5.069	ng	98
41) Hexachlorocyclopentadiene	9.022	237	10719	2.992	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	36235	4.574	ng	95

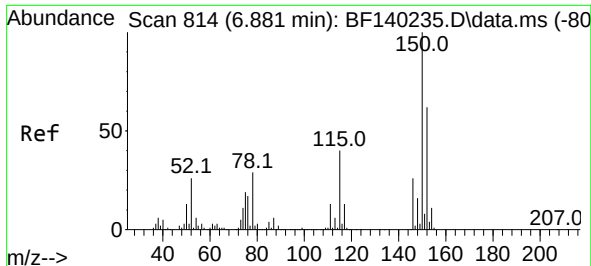
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
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 QLast Update : Tue Nov 05 23:41:33 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	37693	4.525	ng	98
46) 1,1'-Biphenyl	9.334	154	170759	5.410	ng	98
47) 2-Chloronaphthalene	9.357	162	119122	5.014	ng	97
48) 2-Nitroaniline	9.451	65	36971	4.654	ng	96
49) Acenaphthylene	9.775	152	189334	5.630	ng	98
50) Dimethylphthalate	9.628	163	138185	5.138	ng	99
51) 2,6-Dinitrotoluene	9.692	165	29446	4.658	ng	96
52) Acenaphthene	9.945	154	115244	4.831	ng	98
53) 3-Nitroaniline	9.857	138	30092	5.056	ng	99
55) Dibenzofuran	10.116	168	175962	5.275	ng	99
56) 4-Nitrophenol	10.016	139	14986	3.581	ng	98
57) 2,4-Dinitrotoluene	10.092	165	38346	4.675	ng	96
58) Fluorene	10.463	166	139395	5.250	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	32006	4.691	ng	99
60) Diethylphthalate	10.333	149	135028	5.053	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	69633	5.203	ng	96
62) 4-Nitroaniline	10.469	138	26980	4.561	ng	97
63) Azobenzene	10.616	77	138925	5.015	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	9989	2.424	ng	96
66) n-Nitrosodiphenylamine	10.569	169	117587	5.211	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	41421	4.903	ng	98
68) Hexachlorobenzene	11.010	284	46885	4.868	ng	99
69) Atrazine	11.092	200	40414	6.546	ng	100
70) Pentachlorophenol	11.204	266	14222	2.750	ng	96
71) Phenanthrene	11.428	178	200558	5.356	ng	98
72) Anthracene	11.480	178	192492	5.243	ng	98
73) Carbazole	11.633	167	173571	5.174	ng	97
74) Di-n-butylphthalate	11.963	149	199246	5.017	ng	100
75) Fluoranthene	12.616	202	197480	5.044	ng	99
77) Benzidine	12.739	184	37934	3.844	ng	# 96
78) Pyrene	12.845	202	205689	4.936	ng	98
80) Butylbenzylphthalate	13.469	149	69987	4.664	ng	95
81) Benzo(a)anthracene	14.045	228	162394	5.014	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	44295	4.355	ng	97
83) Chrysene	14.080	228	152945	5.043	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	102646	4.881	ng	98
85) Di-n-octyl phthalate	14.674	149	144036	4.550	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	112779	4.506	ng	99
88) Benzo(b)fluoranthene	15.127	252	119005	4.614	ng	98
89) Benzo(k)fluoranthene	15.157	252	125424	5.300	ng	99
90) Benzo(a)pyrene	15.498	252	104954	4.936	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	89580	4.350	ng	99
92) Benzo(g,h,i)perylene	17.521	276	86029	4.096	ng	98

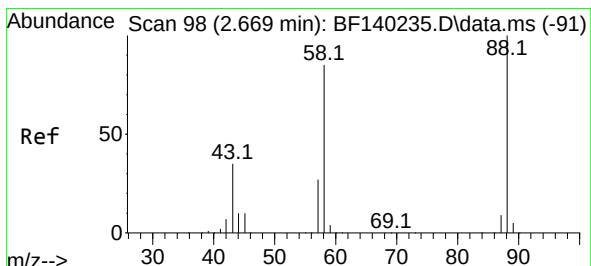
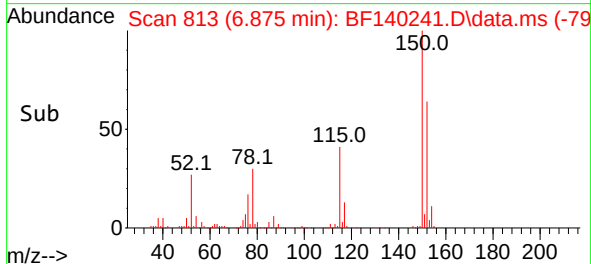
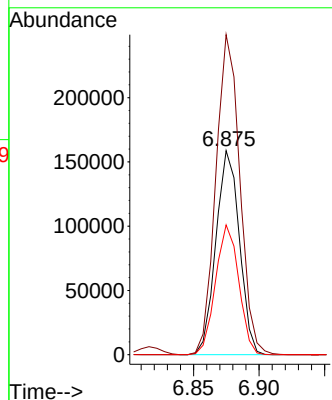
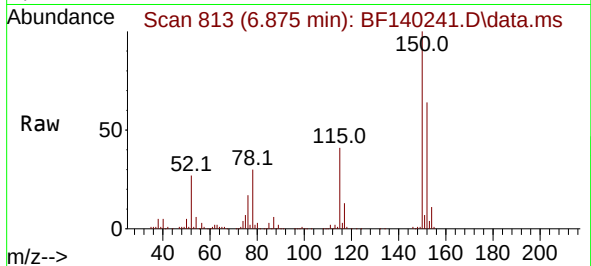
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

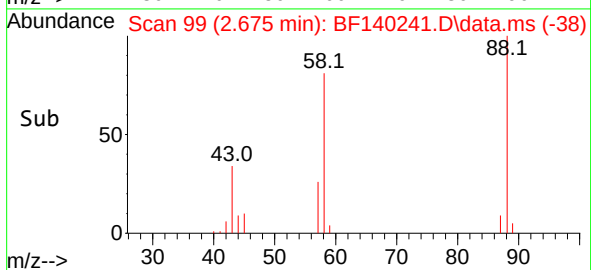
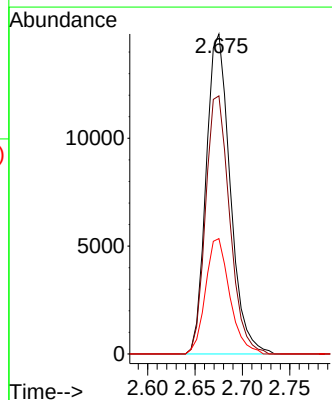
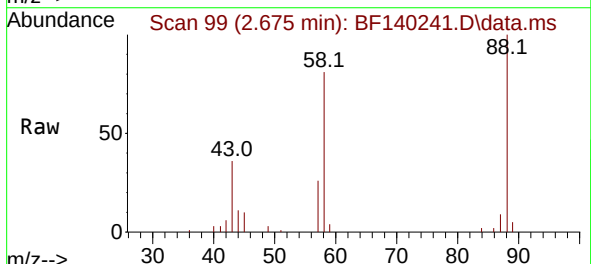
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

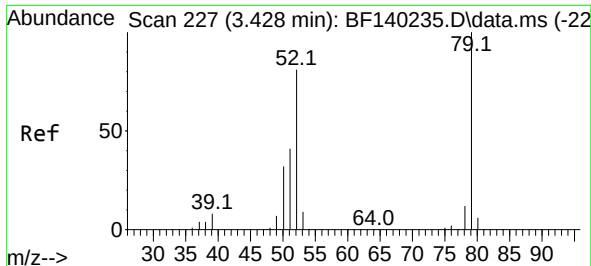
Tgt Ion:152 Resp: 197180
Ion Ratio Lower Upper
152 100
150 156.8 129.4 194.2
115 63.6 51.5 77.3



#2
1,4-Dioxane
Concen: 4.793 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 88 Resp: 26221
Ion Ratio Lower Upper
88 100
58 80.9 66.7 100.1
43 36.4 27.8 41.8





#3

Pyridine

Concen: 4.378 ng

RT: 3.487 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

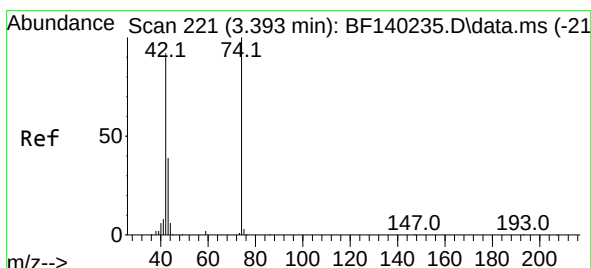
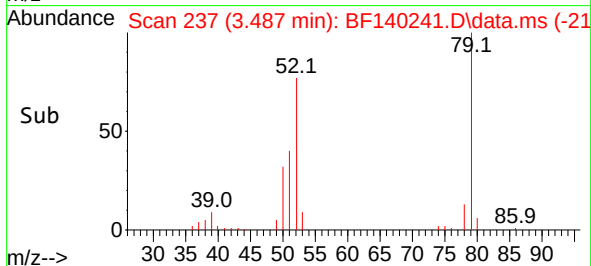
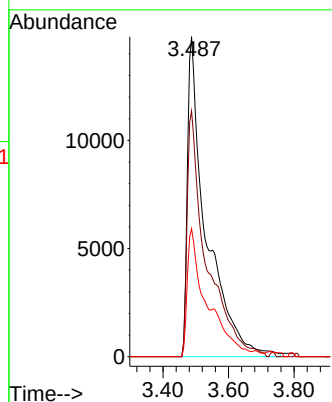
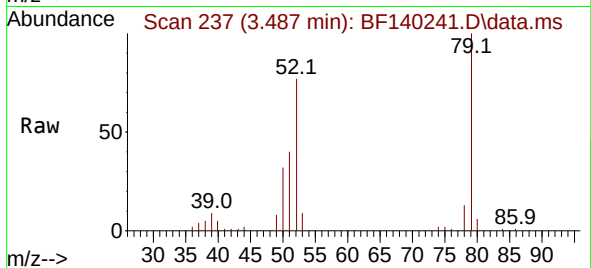
Tgt Ion: 79 Resp: 58430

Ion Ratio Lower Upper

79 100

52 76.8 64.6 97.0

51 40.0 32.5 48.7



#4

n-Nitrosodimethylamine

Concen: 4.495 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.023 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

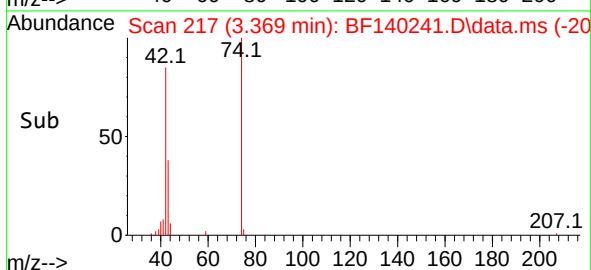
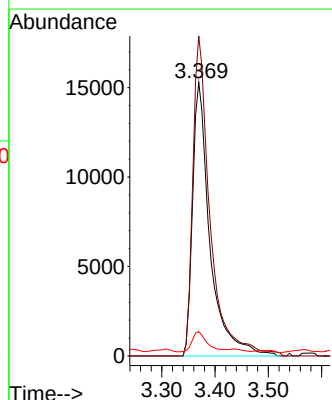
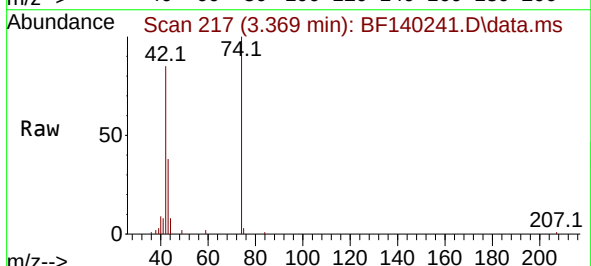
Tgt Ion: 42 Resp: 34640

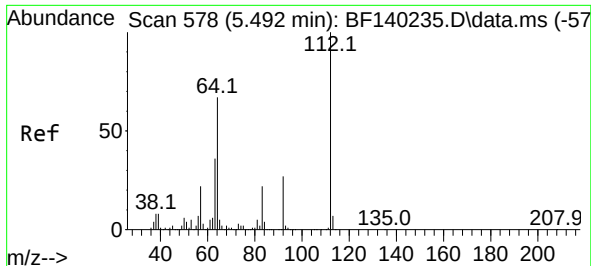
Ion Ratio Lower Upper

42 100

74 117.0 86.9 130.3

44 8.9 5.0 7.6#

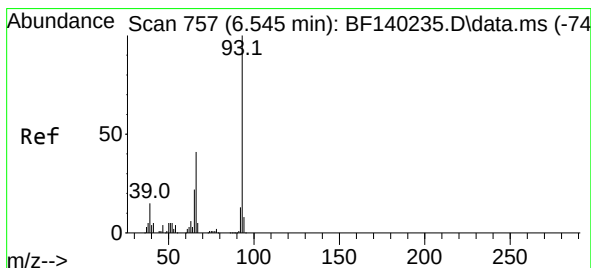
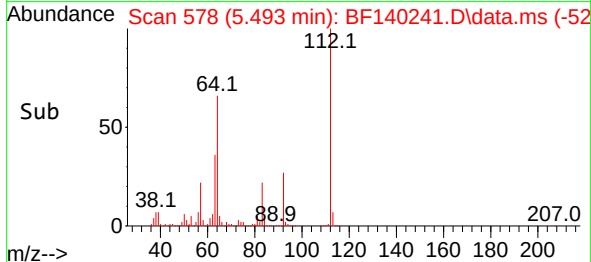
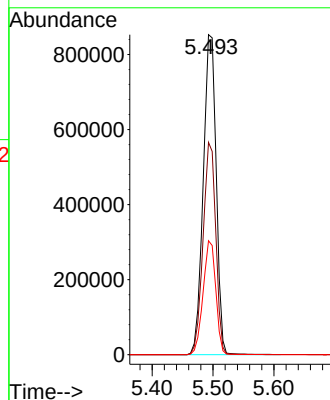
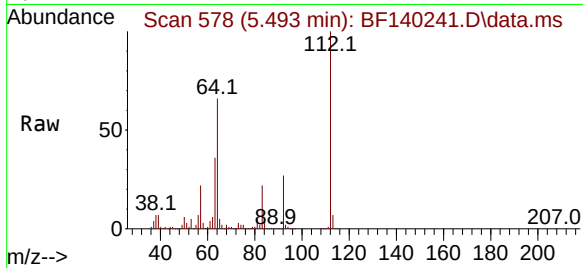




#5
2-Fluorophenol
Concen: 105.993 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

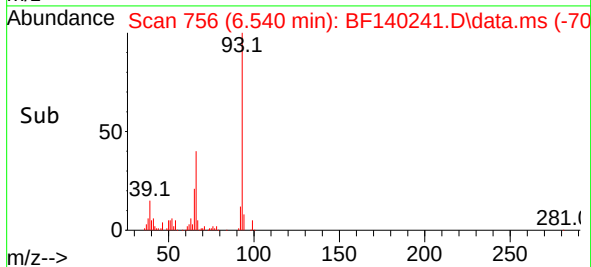
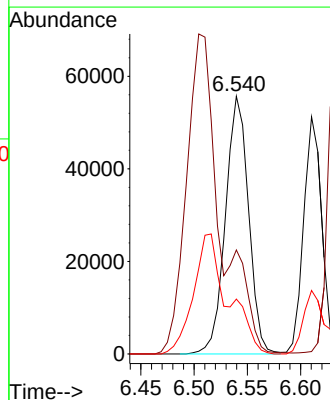
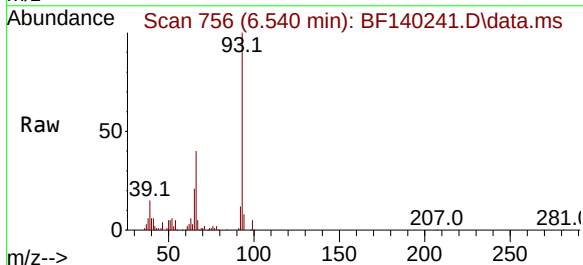
Instrument :
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ClientSampleId :
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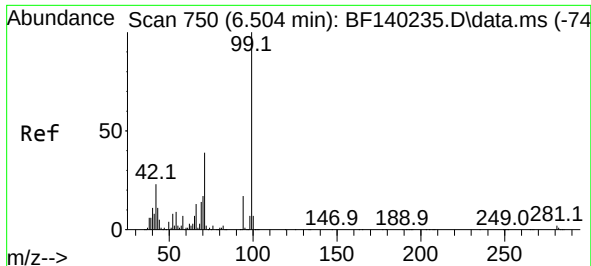
Tgt Ion:112 Resp: 1261138
Ion Ratio Lower Upper
112 100
64 66.3 53.4 80.2
63 35.6 28.9 43.3



#6
Aniline
Concen: 6.082 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 93 Resp: 84094
Ion Ratio Lower Upper
93 100
66 40.4 33.6 50.4
65 21.3 17.5 26.3



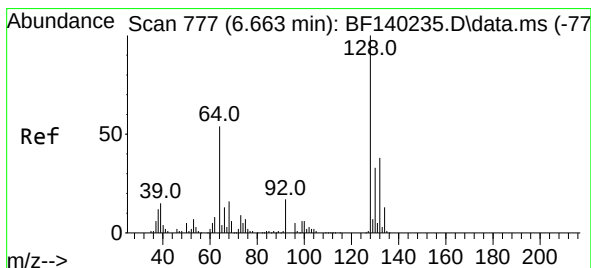
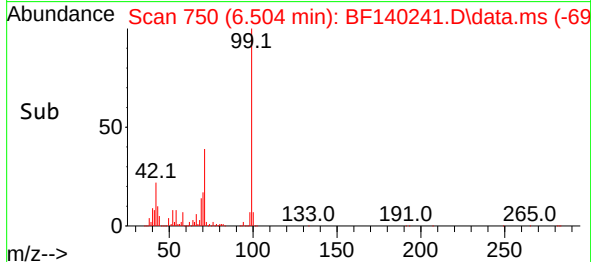
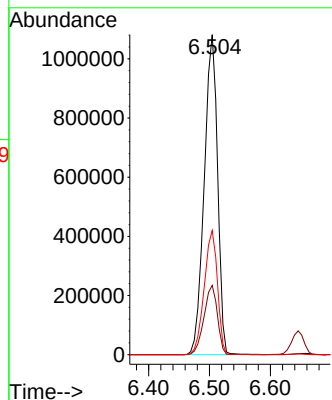
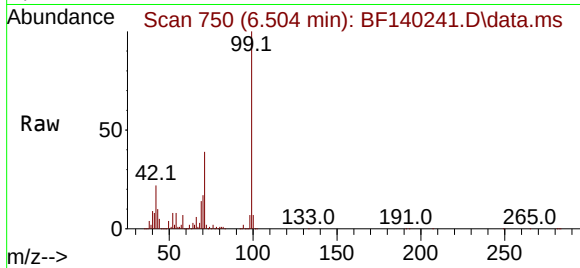


#7
Phenol-d6
Concen: 107.623 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

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

Tgt Ion: 99 Resp: 1647077

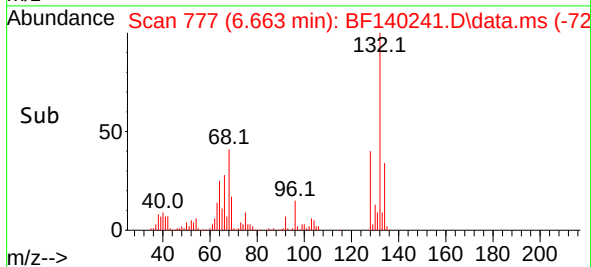
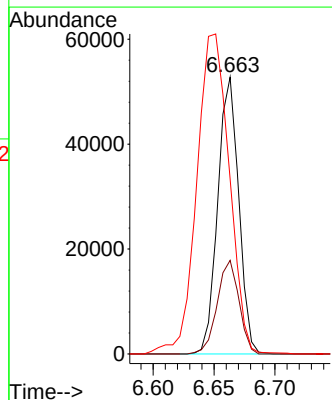
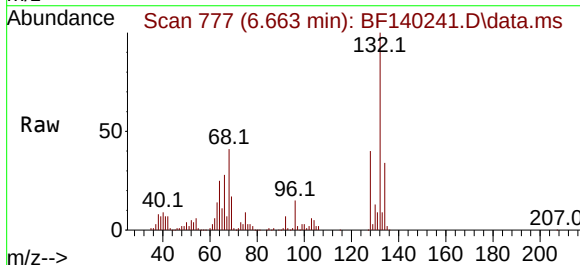
Ion	Ratio	Lower	Upper
99	100		
42	21.6	18.2	27.2
71	38.8	30.9	46.3

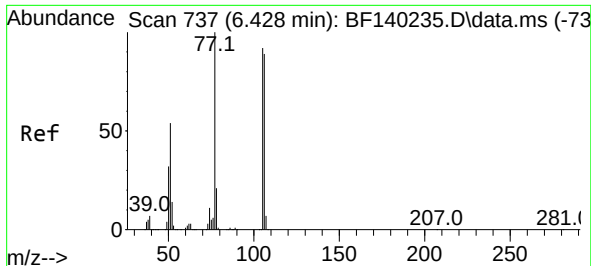


#8
2-Chlorophenol
Concen: 5.073 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 128 Resp: 63159

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.9	52.9
64	63.3	36.3	76.3

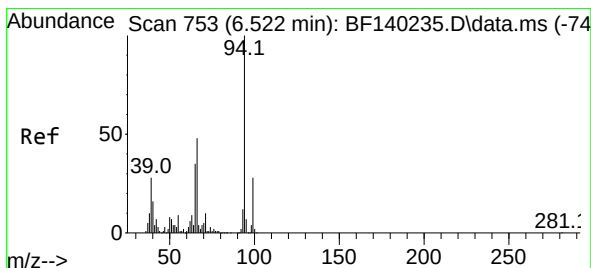
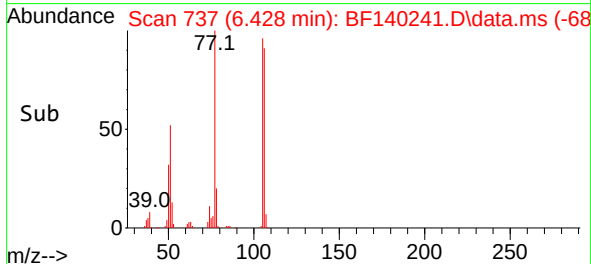
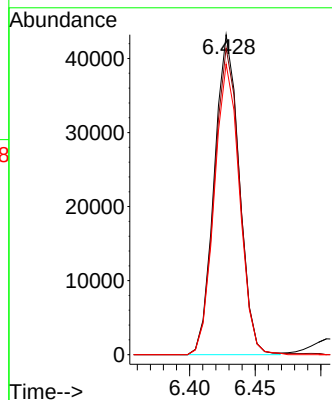
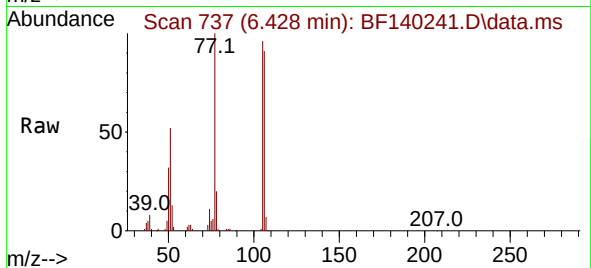




#9
Benzaldehyde
Concen: 6.065 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

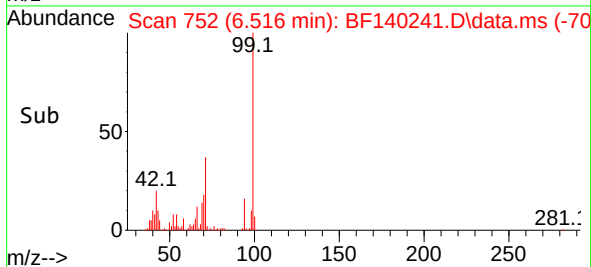
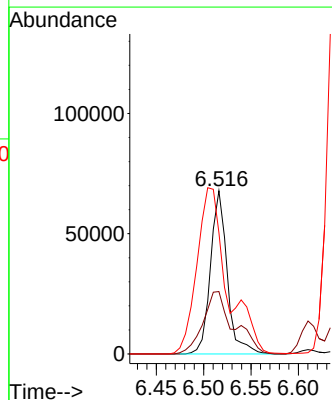
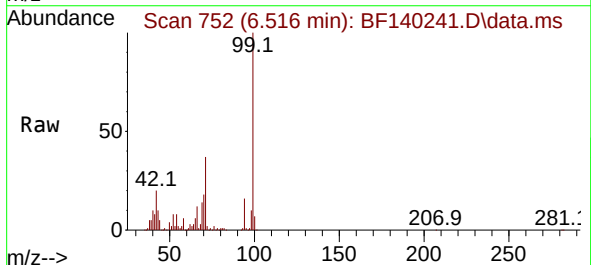
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

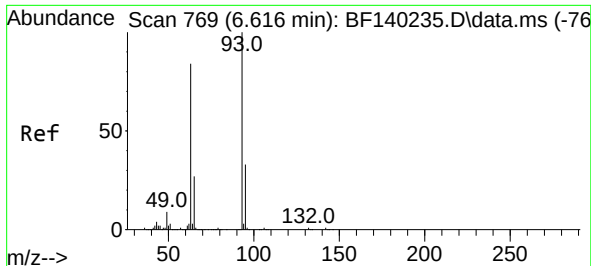
Tgt Ion: 77 Resp: 57180
Ion Ratio Lower Upper
77 100
105 95.9 72.1 112.1
106 90.8 68.8 108.8



#10
Phenol
Concen: 5.112 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 94 Resp: 83084
Ion Ratio Lower Upper
94 100
65 38.2 15.1 55.1
66 74.3 28.8 68.8#

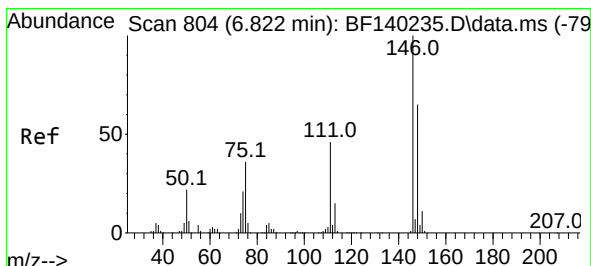
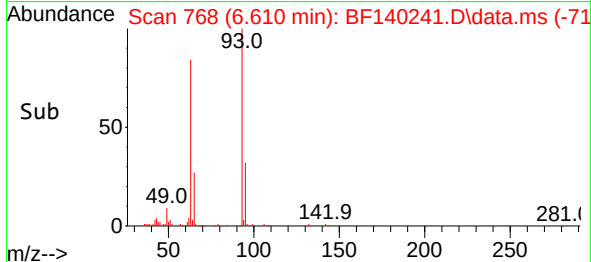
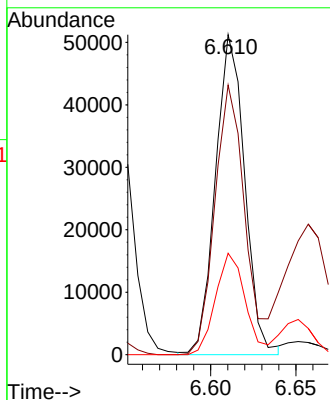
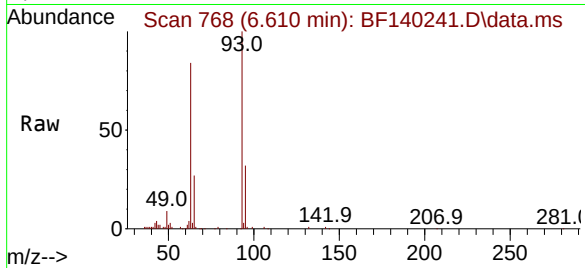




#11
bis(2-Chloroethyl)ether
Concen: 4.956 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

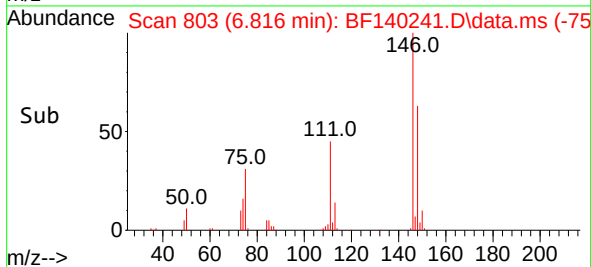
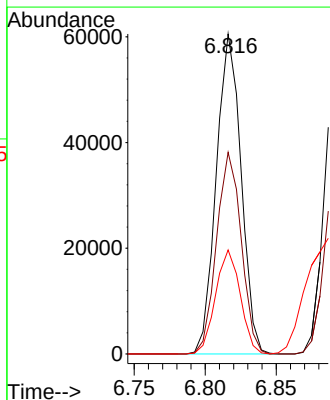
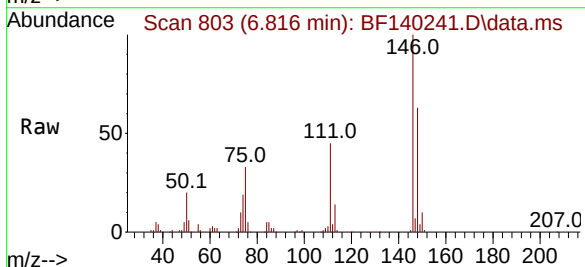
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

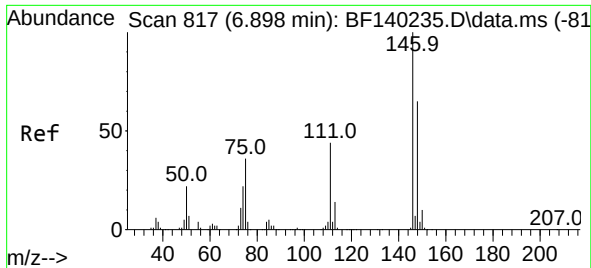
Tgt Ion: 93 Resp: 61190
Ion Ratio Lower Upper
93 100
63 84.2 63.6 103.6
95 31.7 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 5.037 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 146 Resp: 73483
Ion Ratio Lower Upper
146 100
148 63.0 51.7 77.5
75 32.5 28.4 42.6

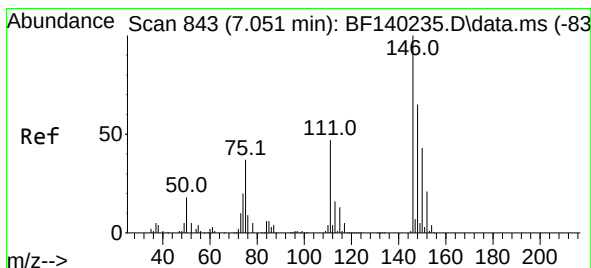
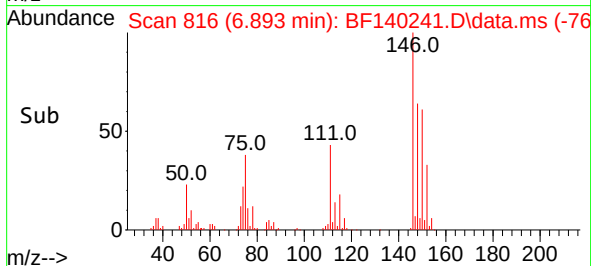
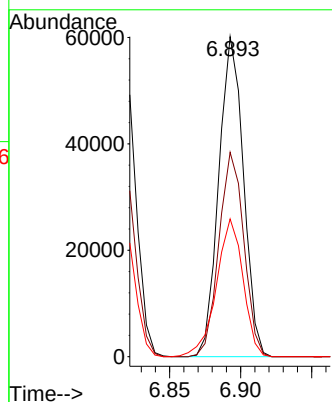
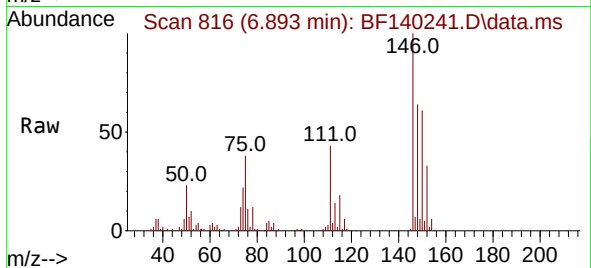




#13
1,4-Dichlorobenzene
Concen: 4.930 ng
RT: 6.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

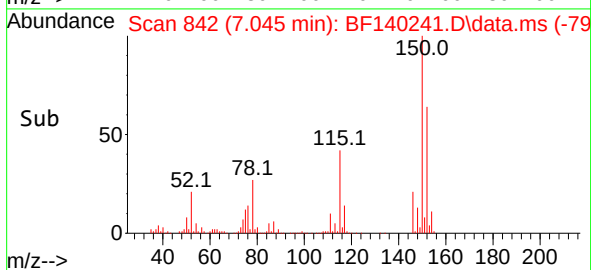
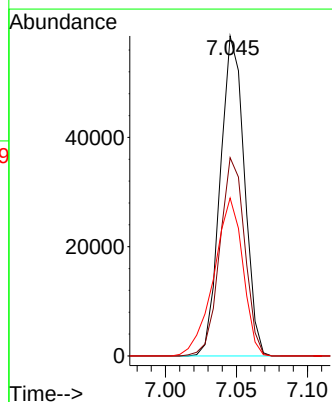
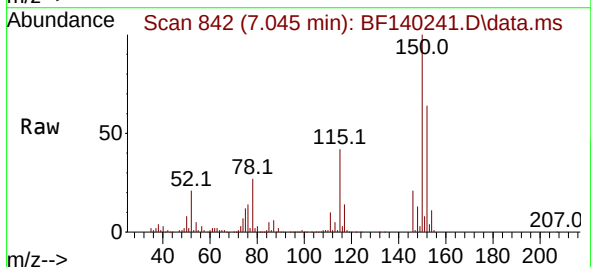
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

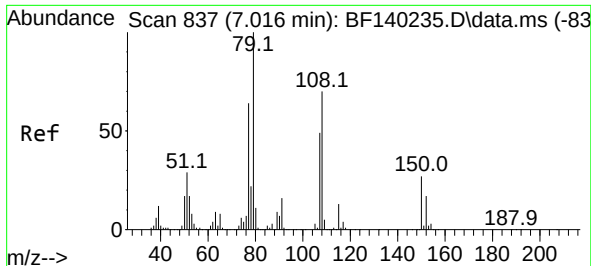
Tgt Ion:146 Resp: 72536
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.6
111 43.0 35.4 53.2



#14
1,2-Dichlorobenzene
Concen: 5.030 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:146 Resp: 69124
Ion Ratio Lower Upper
146 100
148 61.9 51.8 77.6
111 49.4 37.9 56.9

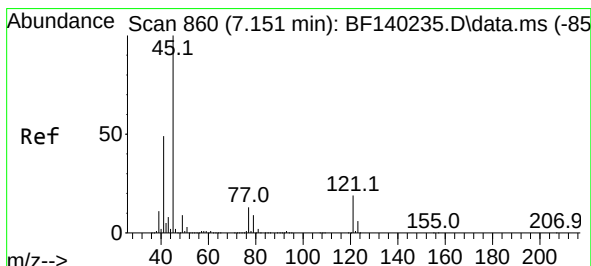
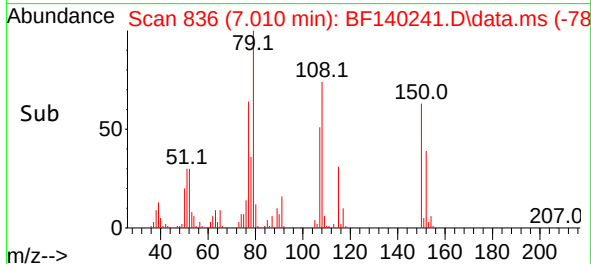
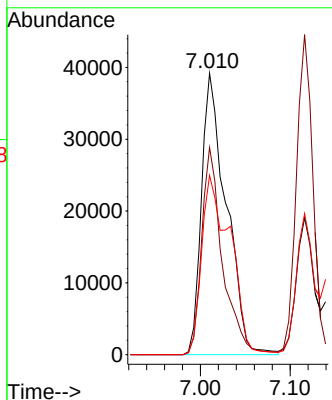
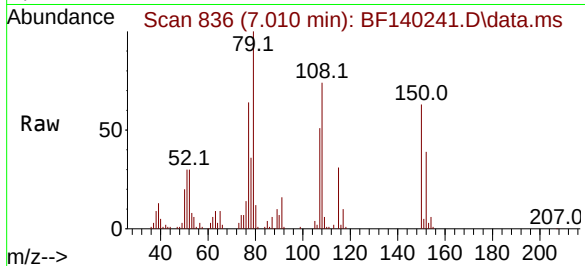




#15
Benzyl Alcohol
Concen: 6.357 ng
RT: 7.010 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

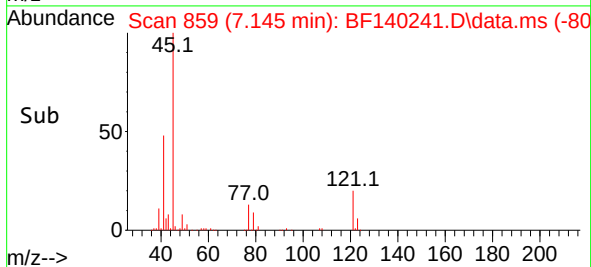
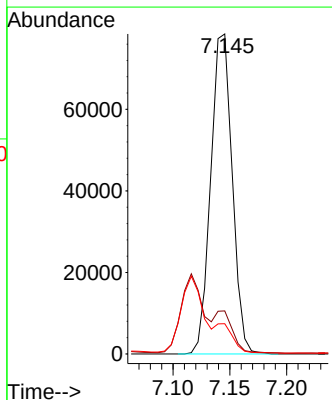
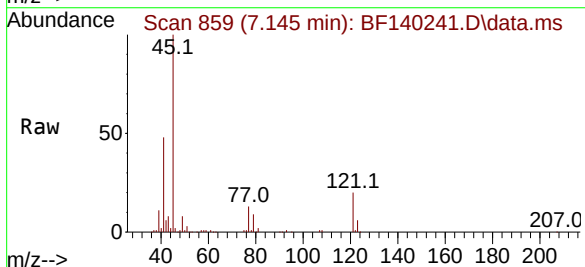
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

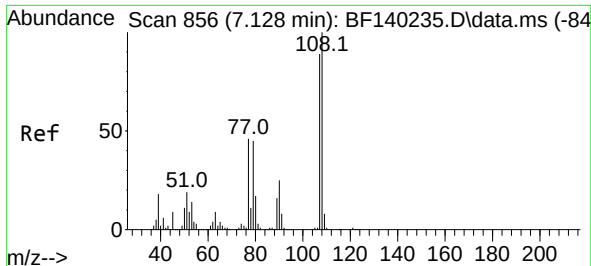
Tgt Ion: 79 Resp: 75000
Ion Ratio Lower Upper
79 100
108 73.6 55.8 83.6
77 63.7 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.173 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 45 Resp: 103384
Ion Ratio Lower Upper
45 100
77 13.4 0.0 33.3
79 9.5 0.0 29.9

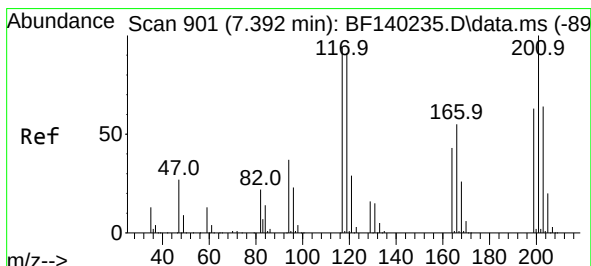
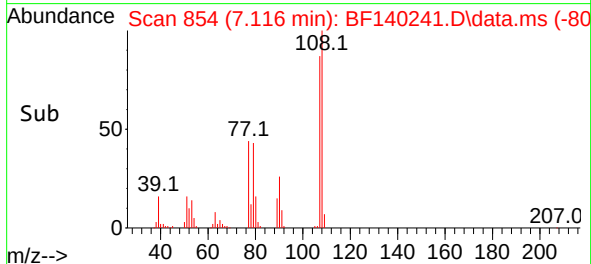
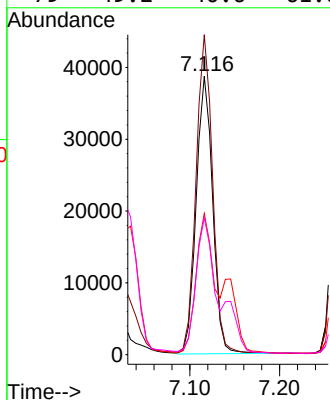
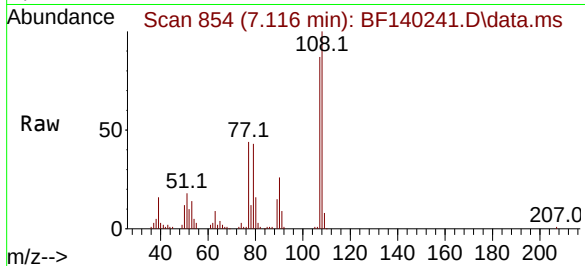




#17
2-Methylphenol
Concen: 4.758 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

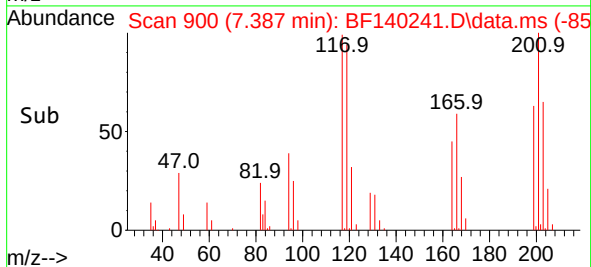
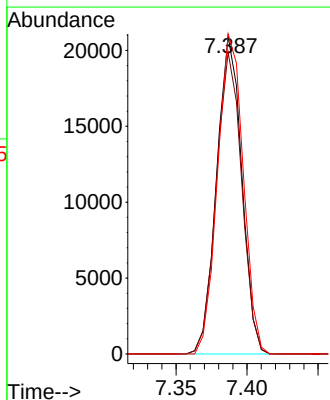
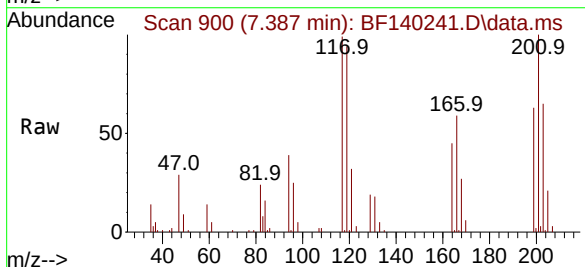
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

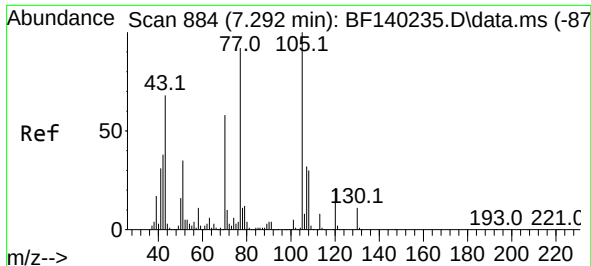
Tgt Ion:	107	Resp:	49413
Ion	Ratio	Lower	Upper
107	100		
108	115.0	90.5	135.7
77	50.7	41.8	62.6
79	49.2	40.6	61.0



#18
Hexachloroethane
Concen: 4.697 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:	117	Resp:	25741
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.3	115.9
201	100.8	85.1	127.7

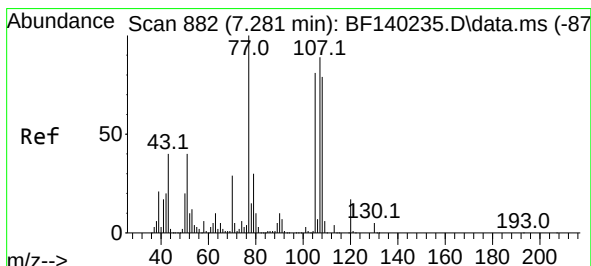
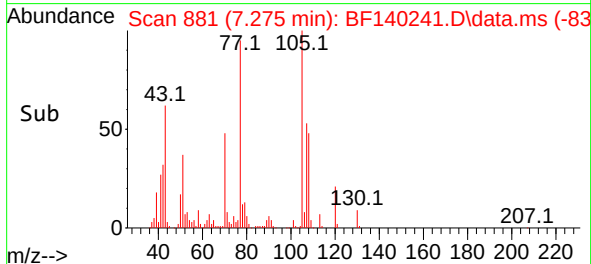
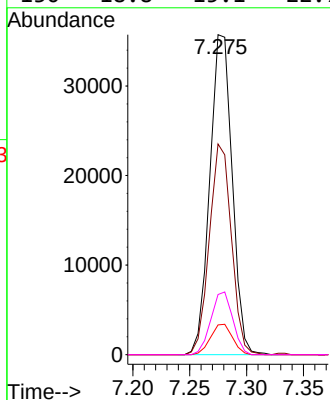
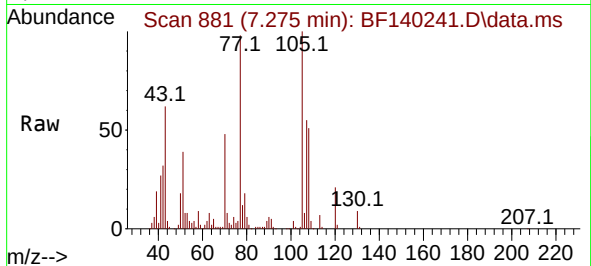




#19
n-Nitroso-di-n-propylamine
Concen: 5.024 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

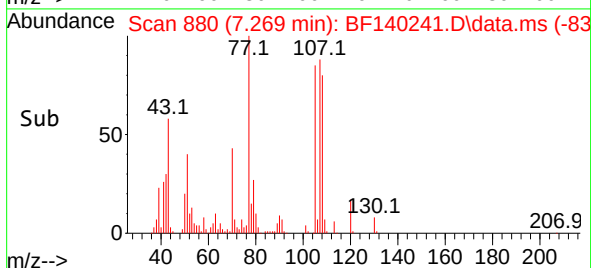
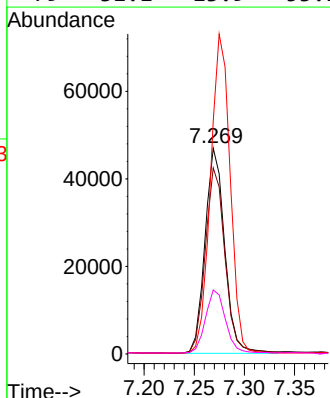
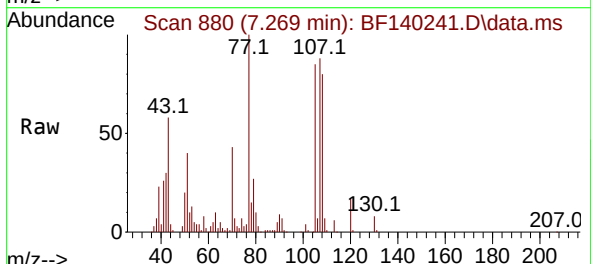
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

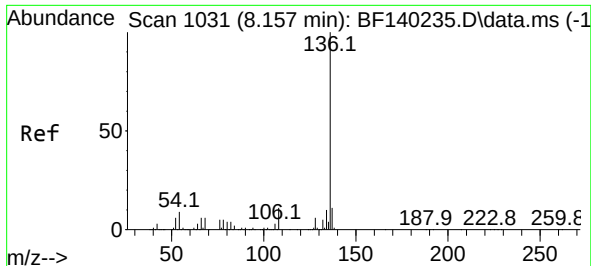
Tgt Ion:	70	Resp:	49048
Ion	Ratio	Lower	Upper
70	100		
42	65.8	52.8	79.2
101	9.3	7.4	11.2
130	18.8	15.1	22.7



#20
3+4-Methylphenols
Concen: 4.911 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:	107	Resp:	64055
Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.4	109.4
77	113.2	92.7	132.7
79	31.1	13.9	53.9

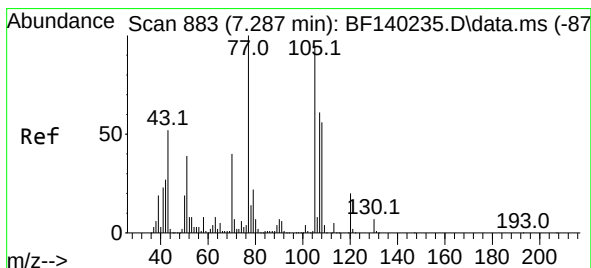
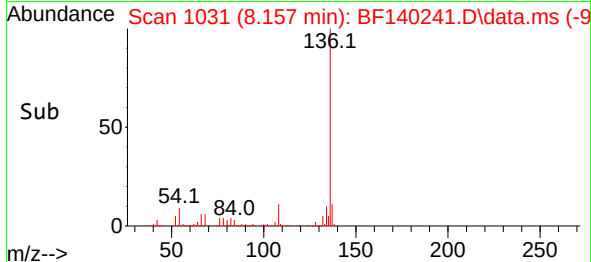
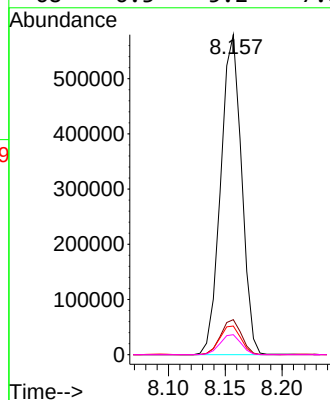
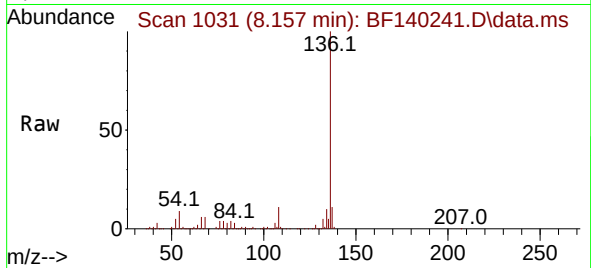




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

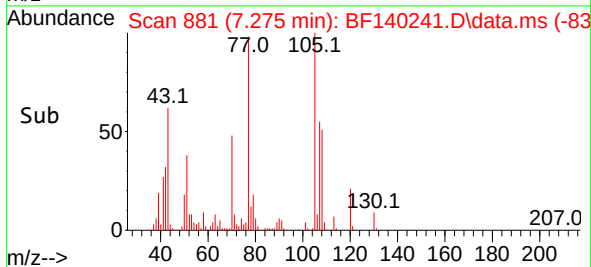
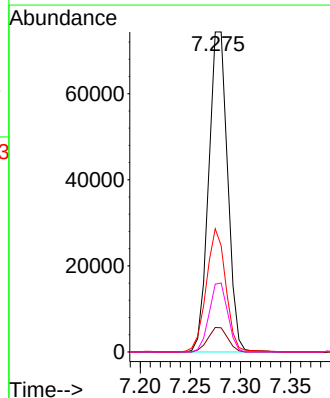
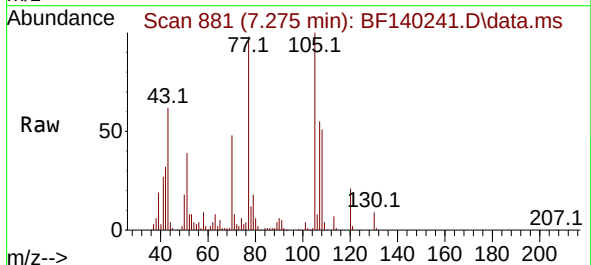
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

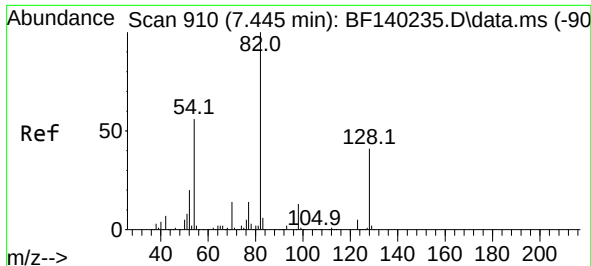
Tgt Ion:	136	Resp:	740292
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	9.0	7.7	11.5
68	6.3	5.2	7.8



#22
Acetophenone
Concen: 5.339 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:	105	Resp:	98003
Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.6	8.4
51	38.5	33.2	49.8
120	21.2	16.8	25.2

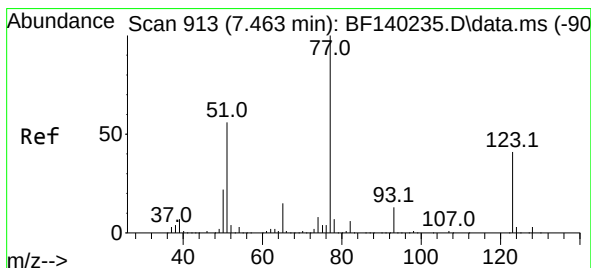
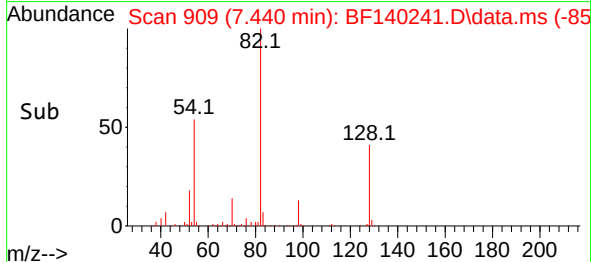
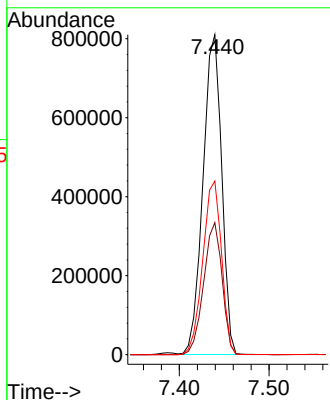
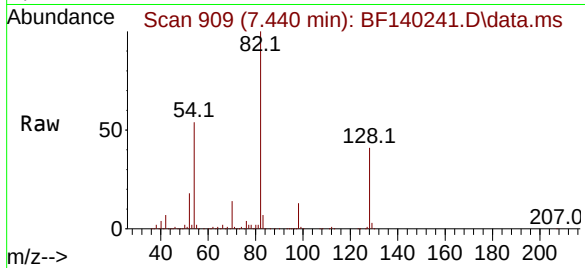




#23
Nitrobenzene-d5
Concen: 78.628 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

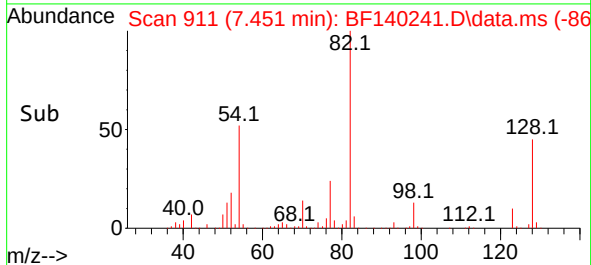
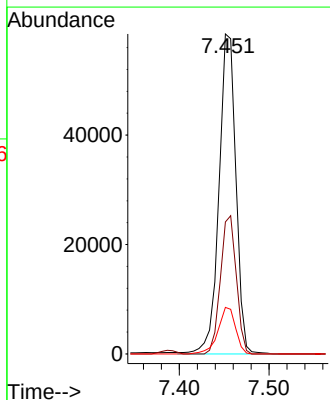
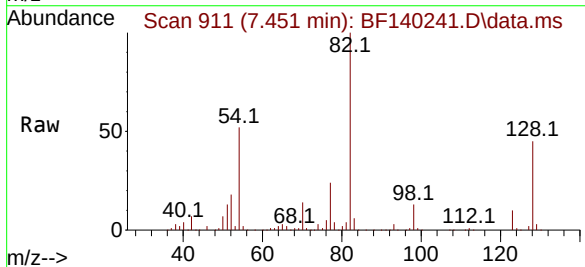
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

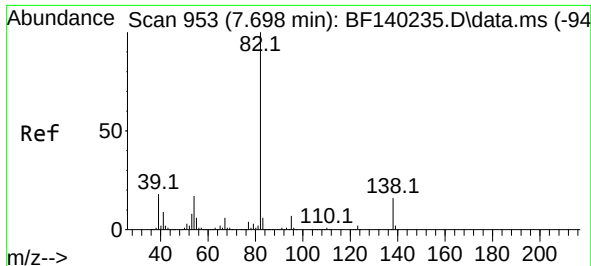
Tgt Ion: 82 Resp: 1170743
Ion Ratio Lower Upper
82 100
128 41.2 32.8 49.2
54 54.2 44.3 66.5



#24
Nitrobenzene
Concen: 4.910 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 77 Resp: 76716
Ion Ratio Lower Upper
77 100
123 41.2 33.0 49.4
65 14.5 11.7 17.5

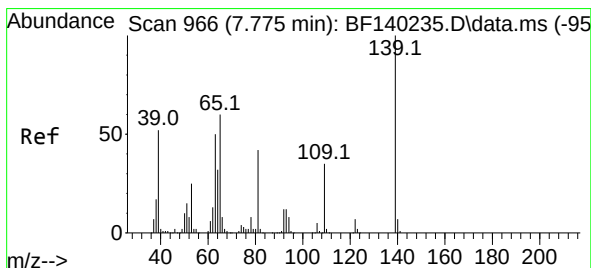
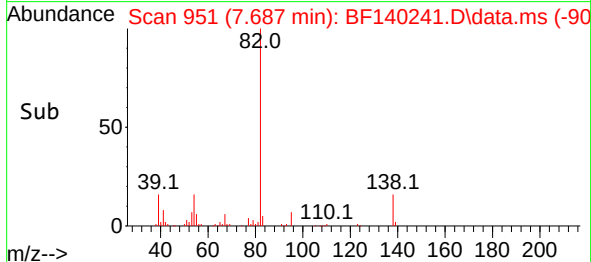
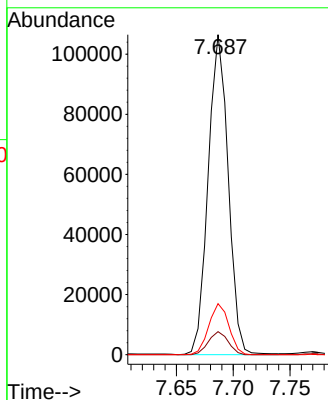
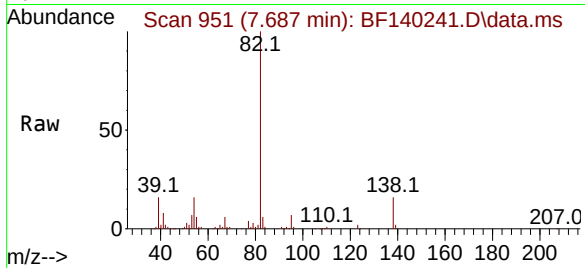




#25
Isophorone
Concen: 5.112 ng
RT: 7.687 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

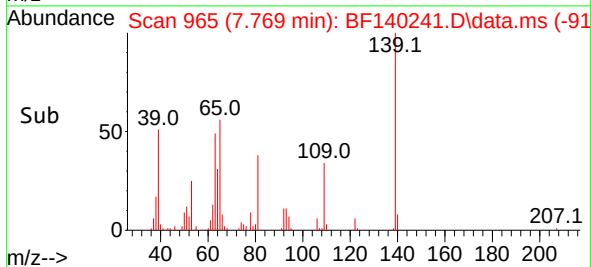
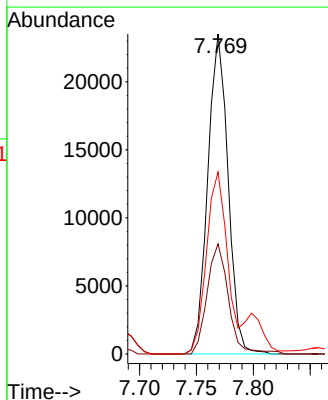
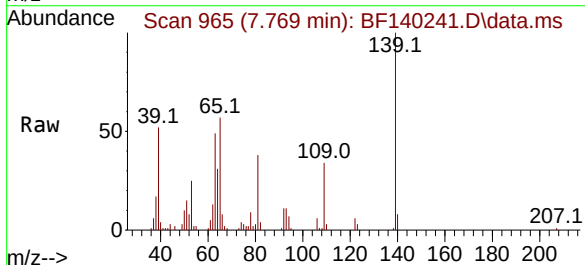
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

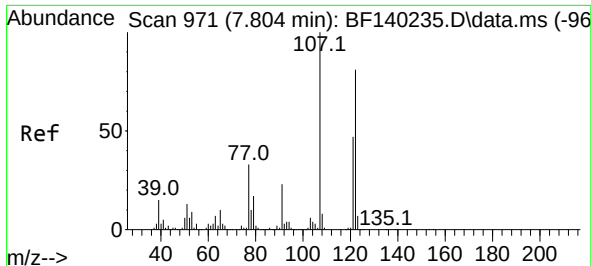
Tgt Ion: 82 Resp: 131050
Ion Ratio Lower Upper
82 100
95 7.2 6.0 9.0
138 15.9 12.9 19.3



#26
2-Nitrophenol
Concen: 4.694 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:139 Resp: 29172
Ion Ratio Lower Upper
139 100
109 34.4 27.8 41.8
65 56.9 48.2 72.2





#27

2,4-Dimethylphenol

Concen: 3.823 ng

RT: 7.798 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

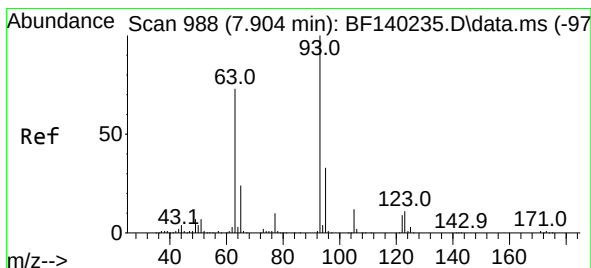
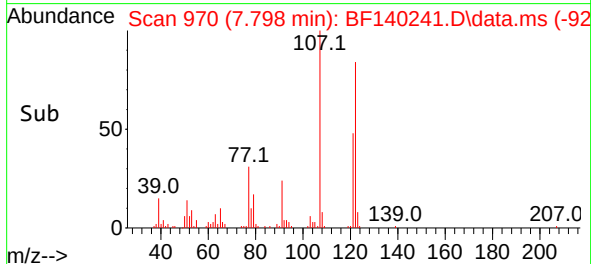
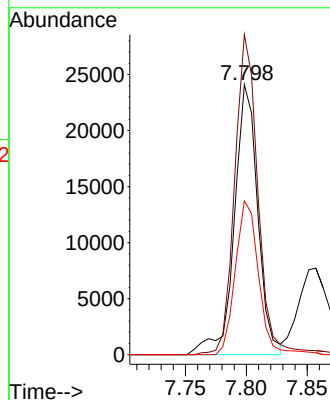
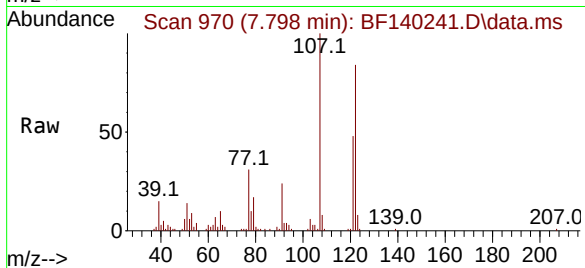
Tgt Ion:122 Resp: 32323

Ion Ratio Lower Upper

122 100

107 118.5 99.4 149.0

121 57.0 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 4.999 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

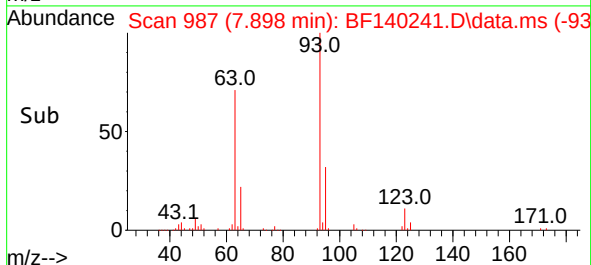
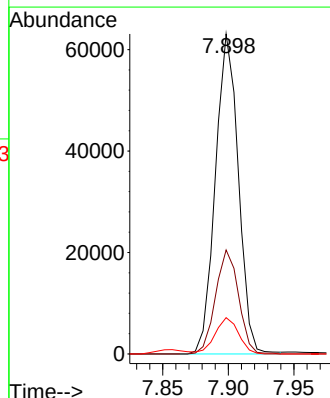
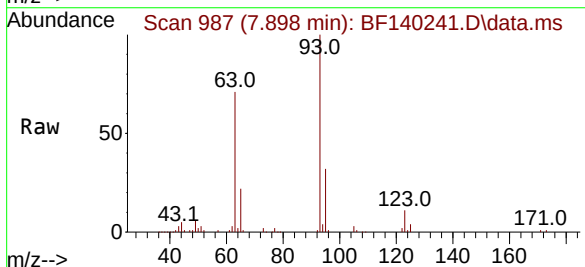
Tgt Ion: 93 Resp: 76693

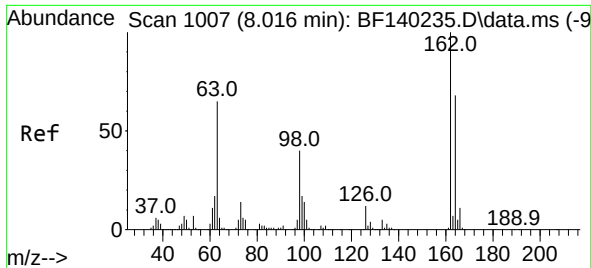
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 11.3 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.762 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

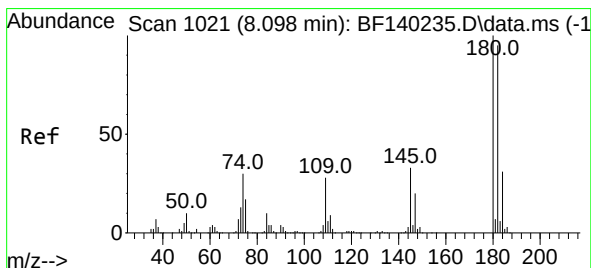
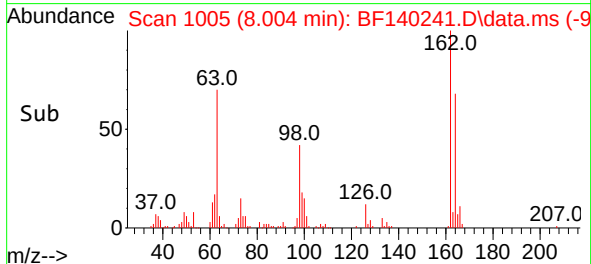
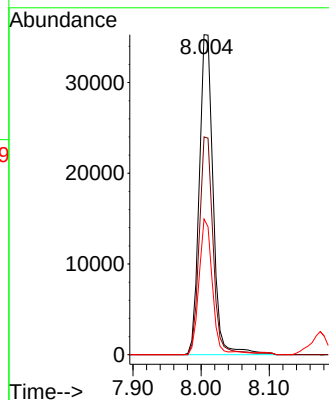
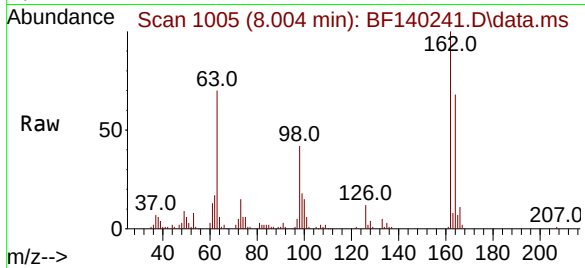
Tgt Ion:162 Resp: 49806

Ion Ratio Lower Upper

162 100

164 68.0 47.5 87.5

98 42.4 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 4.871 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

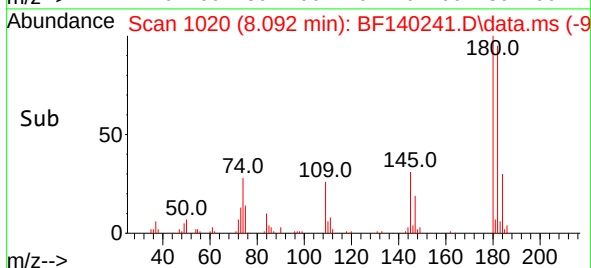
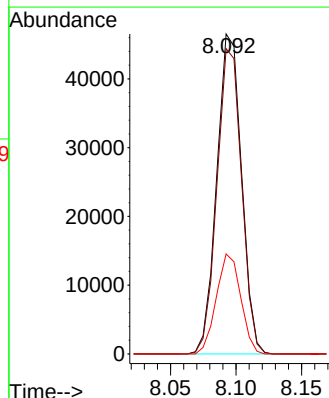
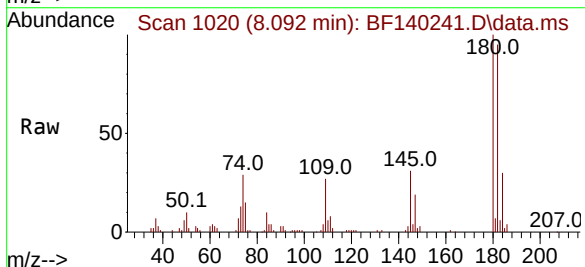
Tgt Ion:180 Resp: 61052

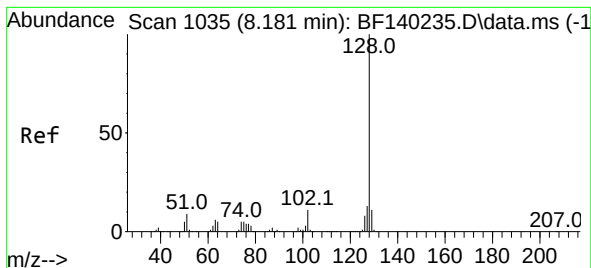
Ion Ratio Lower Upper

180 100

182 95.4 75.9 113.9

145 31.3 26.1 39.1





#31

Naphthalene

Concen: 4.990 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

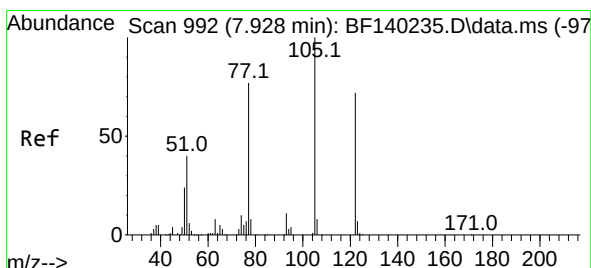
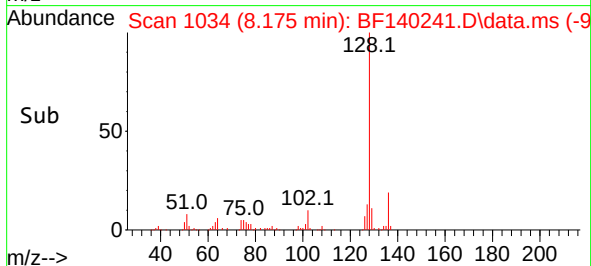
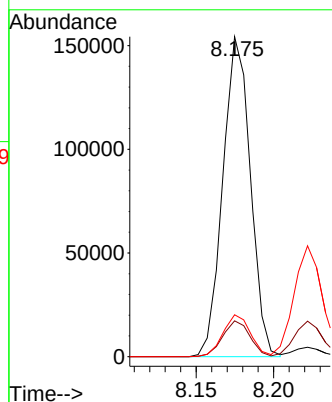
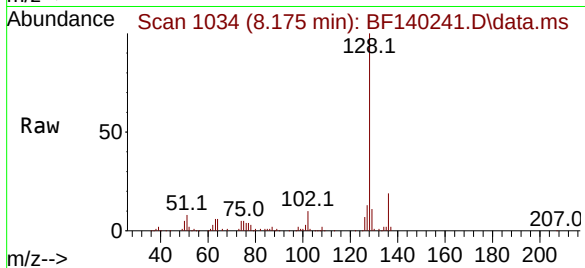
Tgt Ion:128 Resp: 190755

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.1 10.7 16.1



#32

Benzoic acid

Concen: 2.686 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.071 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

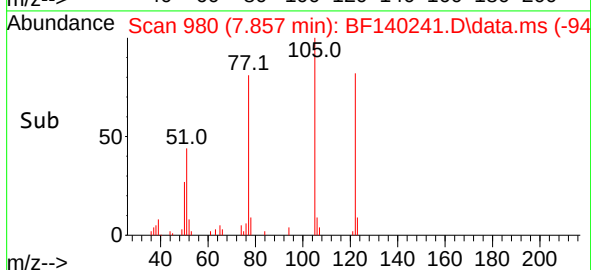
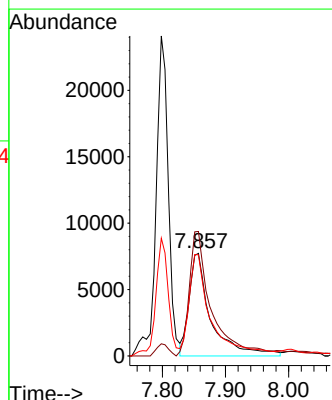
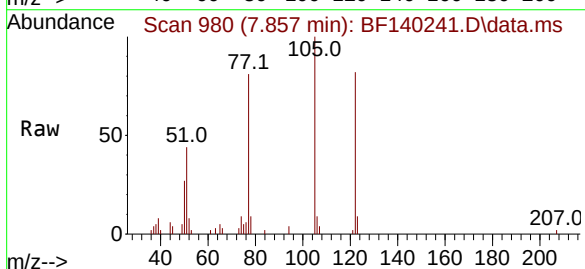
Tgt Ion:122 Resp: 18635

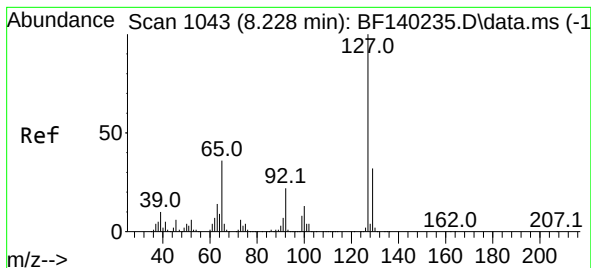
Ion Ratio Lower Upper

122 100

105 121.4 112.6 152.6

77 98.6 84.3 124.3





#33

4-Chloroaniline

Concen: 5.518 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 69445

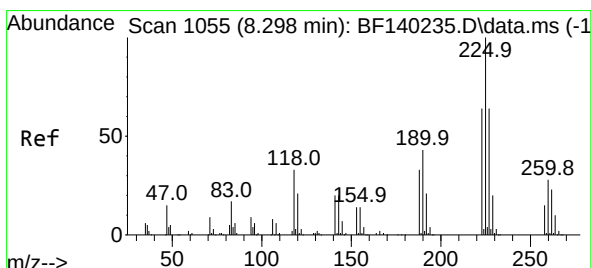
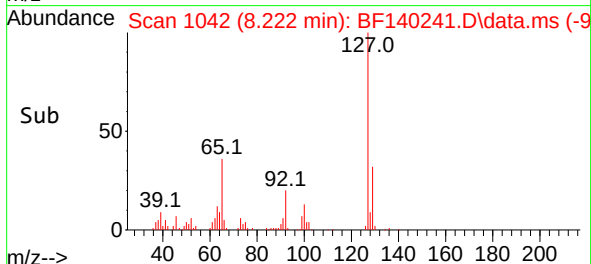
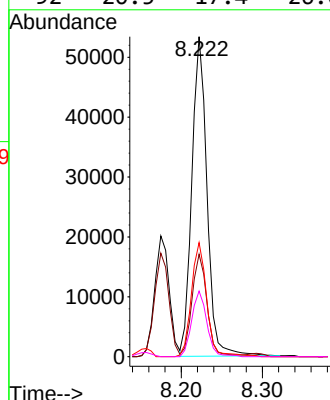
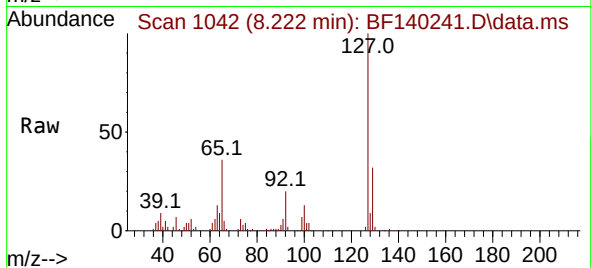
Ion Ratio Lower Upper

127 100

129 32.0 25.8 38.6

65 35.6 29.0 43.6

92 20.5 17.4 26.0



#34

Hexachlorobutadiene

Concen: 4.572 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

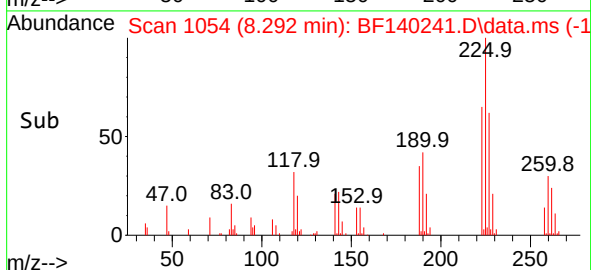
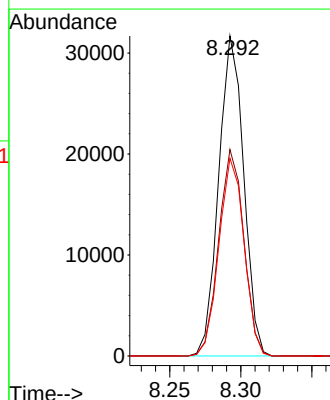
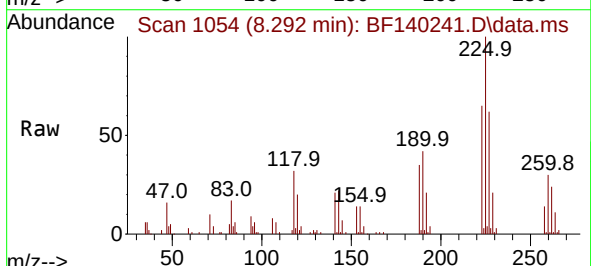
Tgt Ion:225 Resp: 38784

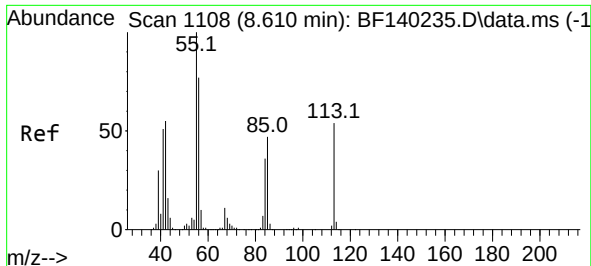
Ion Ratio Lower Upper

225 100

223 64.5 50.8 76.2

227 61.8 51.0 76.6

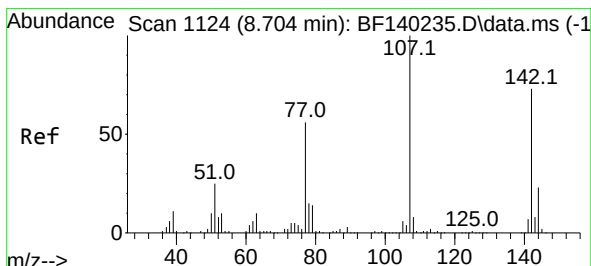
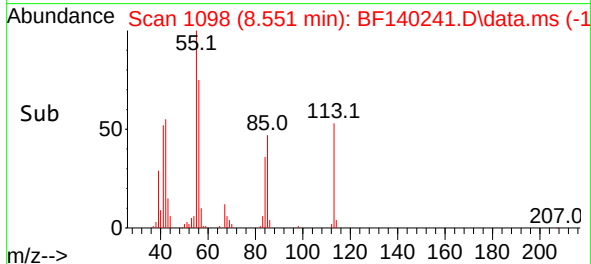
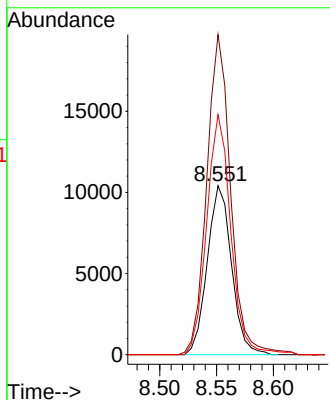
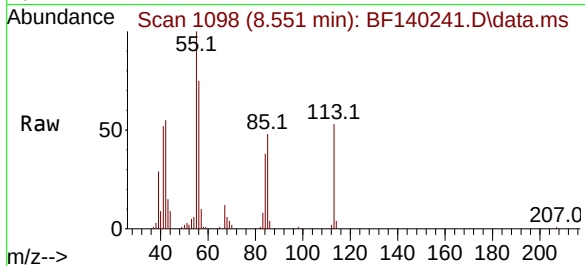




#35
 Caprolactam
 Concen: 4.854 ng
 RT: 8.551 min Scan# 1108
 Delta R.T. -0.059 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

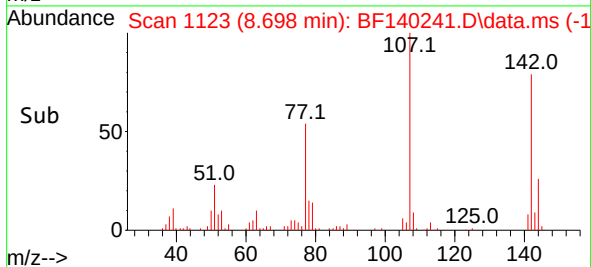
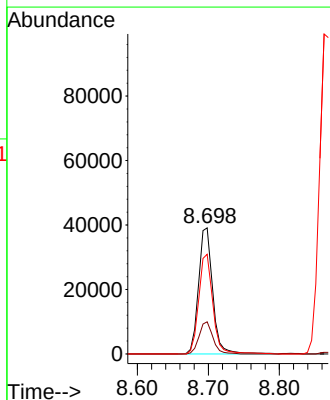
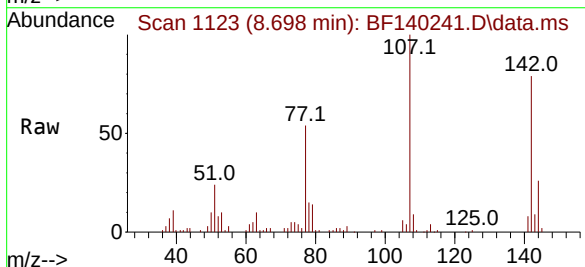
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

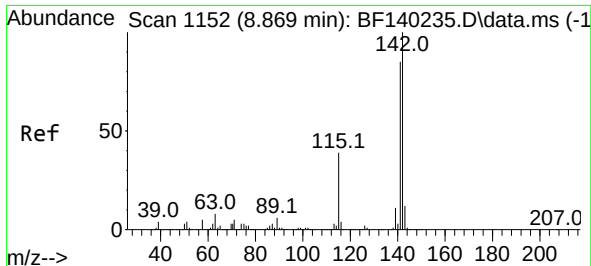
Tgt Ion:113 Resp: 15445
 Ion Ratio Lower Upper
 113 100
 55 189.5 165.2 205.2
 56 142.1 122.1 162.1



#36
 4-Chloro-3-methylphenol
 Concen: 4.667 ng
 RT: 8.698 min Scan# 1123
 Delta R.T. -0.006 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

Tgt Ion:107 Resp: 54354
 Ion Ratio Lower Upper
 107 100
 144 25.5 18.6 27.8
 142 79.1 58.1 87.1





#37

2-Methylnaphthalene

Concen: 5.208 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

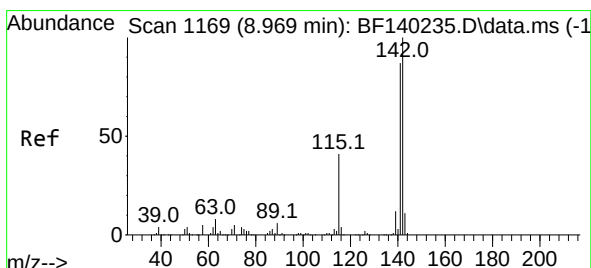
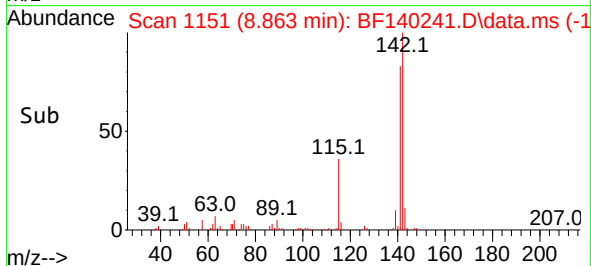
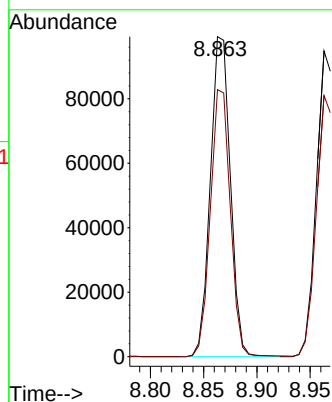
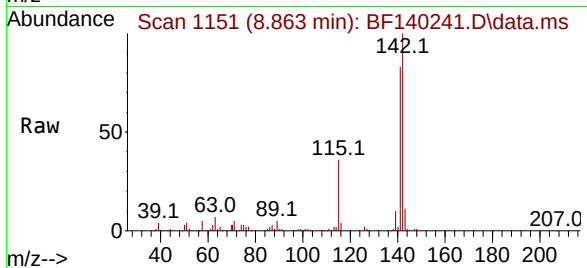
LOQ-SOIL-02-QT4-2024

Tgt Ion:142 Resp: 129929

Ion Ratio Lower Upper

142 100

141 83.4 67.8 101.8



#38

1-Methylnaphthalene

Concen: 4.935 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140241.D

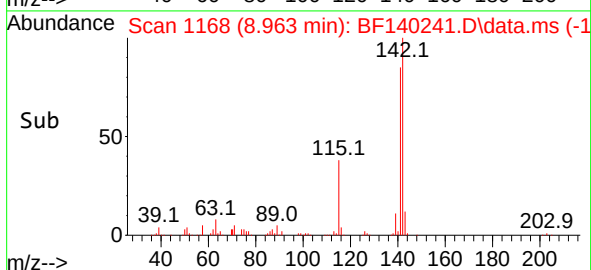
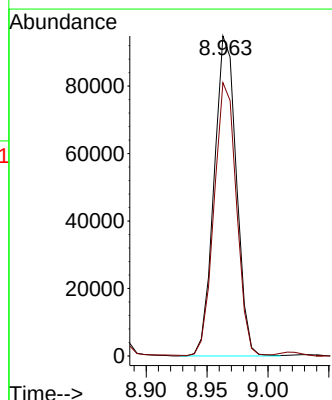
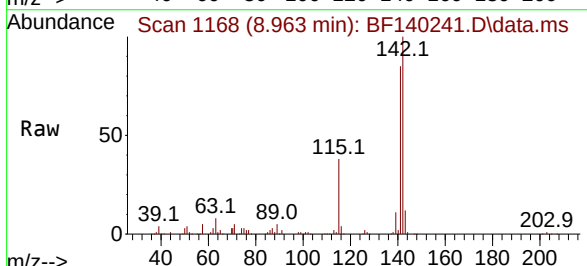
Acq: 05 Nov 2024 17:03

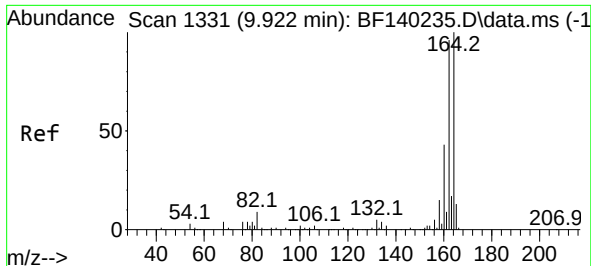
Tgt Ion:142 Resp: 120674

Ion Ratio Lower Upper

142 100

141 85.4 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: BF140241.D

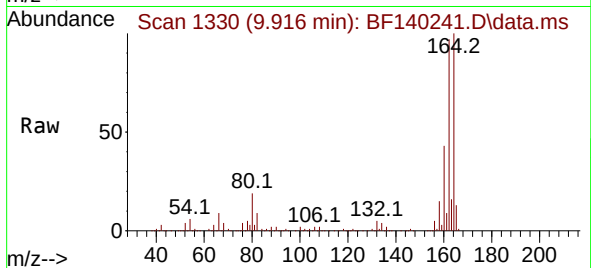
Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



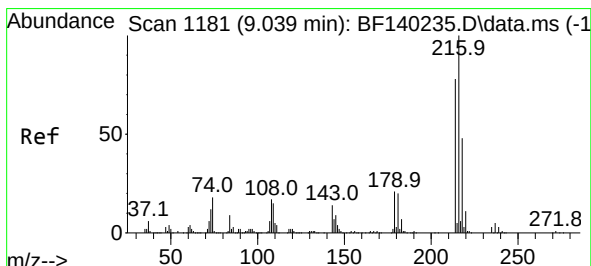
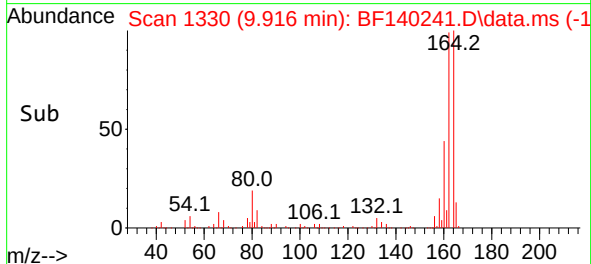
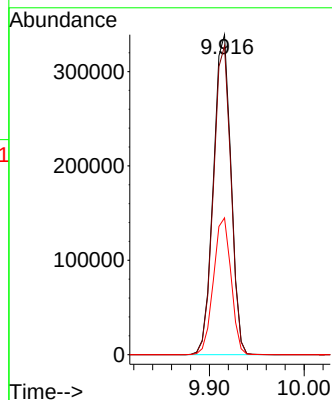
Tgt Ion:164 Resp: 436661

Ion Ratio Lower Upper

164 100

162 96.5 77.0 115.4

160 42.7 34.1 51.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.069 ng

RT: 9.034 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Tgt Ion:216 Resp: 64800

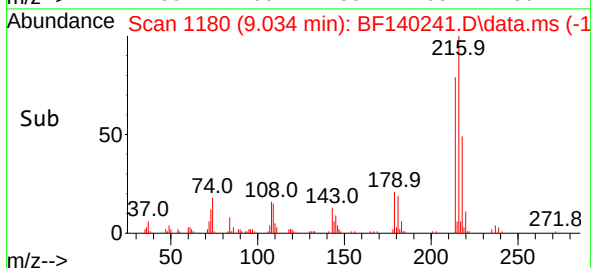
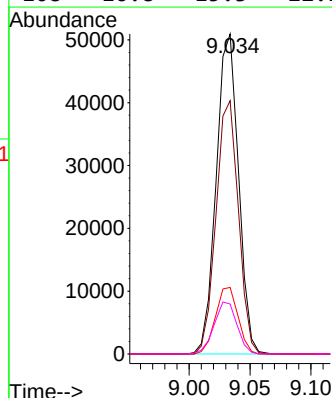
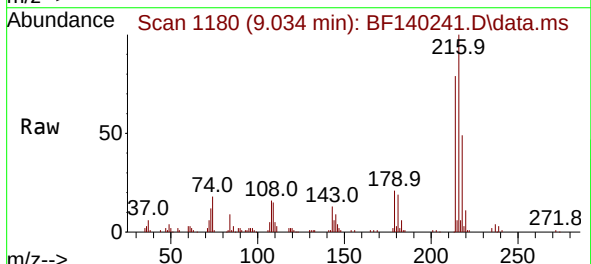
Ion Ratio Lower Upper

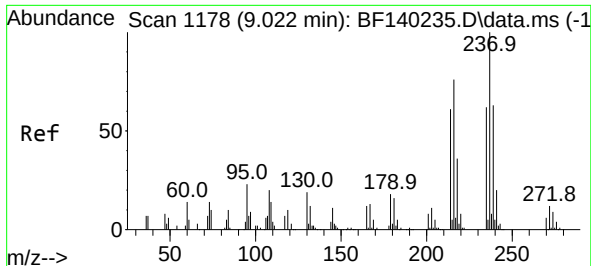
216 100

214 79.3 62.8 94.2

179 21.1 17.3 25.9

108 16.8 15.3 22.9

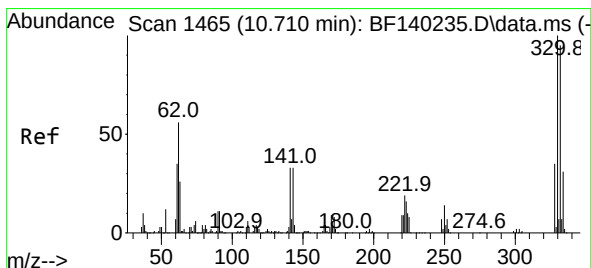
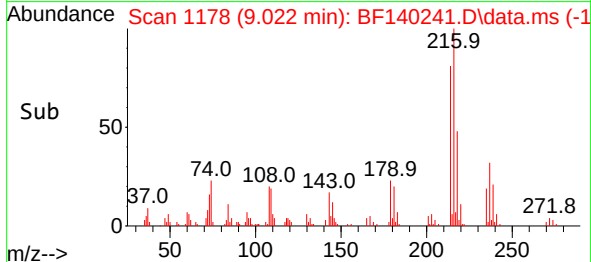
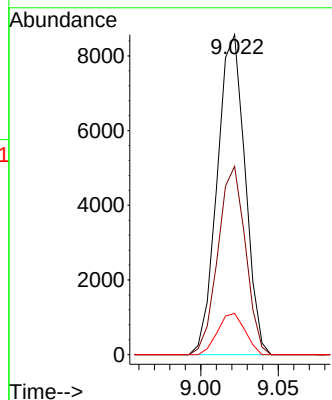
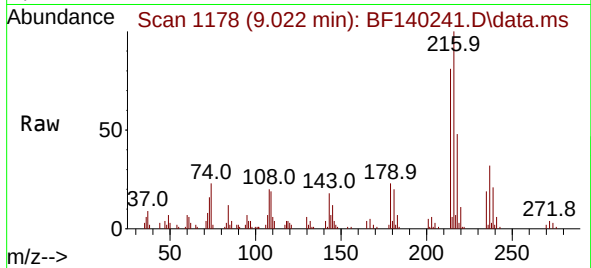




#41
Hexachlorocyclopentadiene
Concen: 2.992 ng
RT: 9.022 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

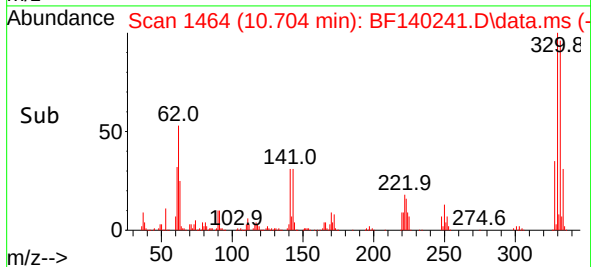
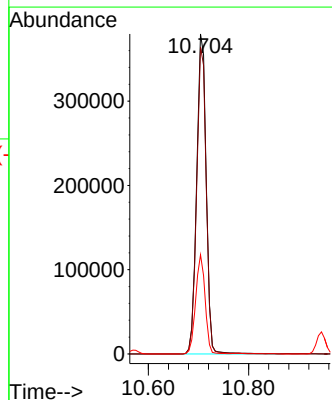
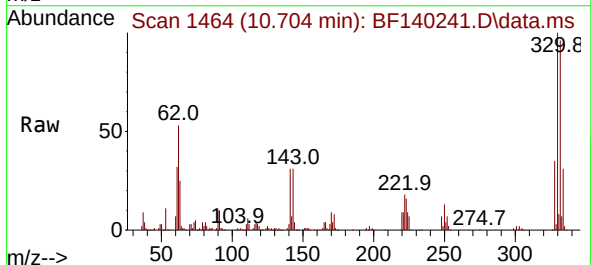
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

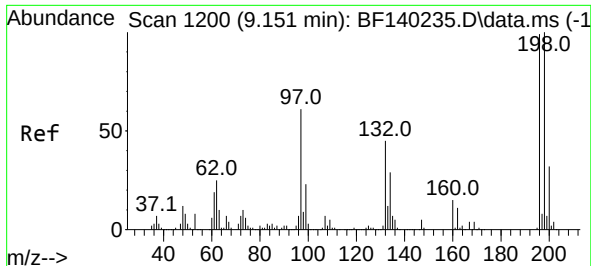
Tgt Ion:237	Resp:	10719
Ion Ratio	Lower	Upper
237	100	
235	58.9	41.8 81.8
272	12.9	0.0 31.8



#42
2,4,6-Tribromophenol
Concen: 116.064 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:330	Resp:	500953
Ion Ratio	Lower	Upper
330	100	
332	96.1	76.4 114.6
141	30.6	27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 4.574 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

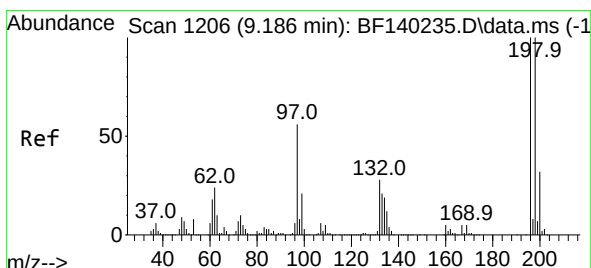
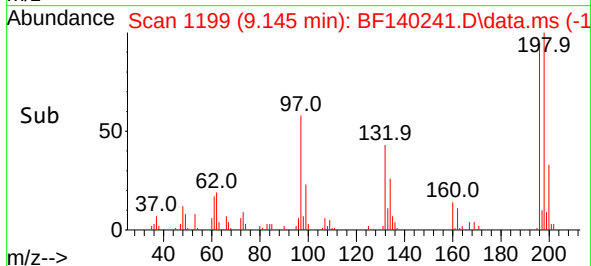
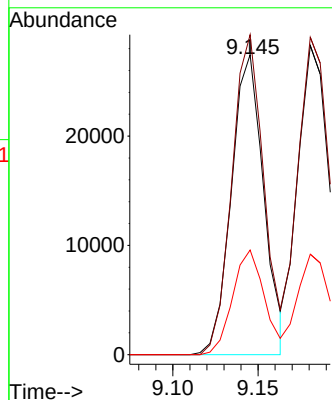
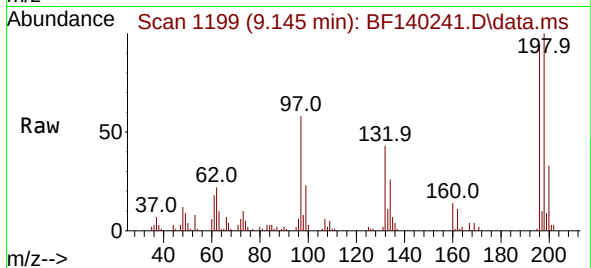
Tgt Ion:196 Resp: 36235

Ion Ratio Lower Upper

196 100

198 106.7 80.8 121.2

200 34.9 26.0 39.0



#44

2,4,5-Trichlorophenol

Concen: 4.525 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Tgt Ion:196 Resp: 37693

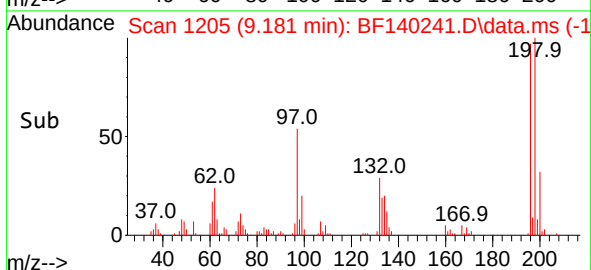
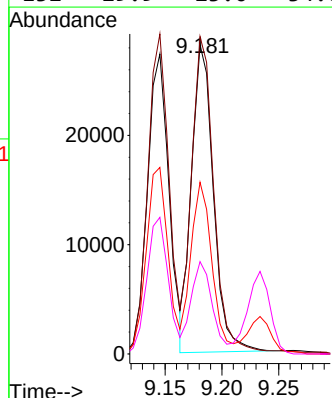
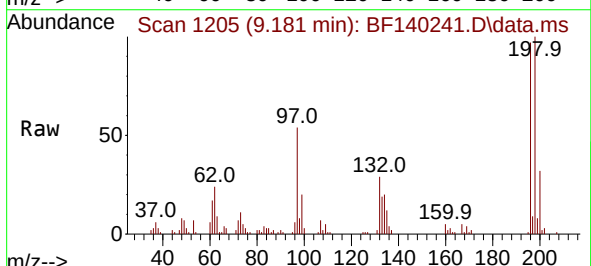
Ion Ratio Lower Upper

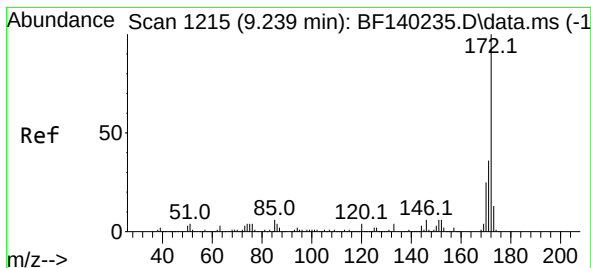
196 100

198 102.7 80.0 120.0

97 55.5 45.7 68.5

132 29.9 23.0 34.6





#45

2-Fluorobiphenyl

Concen: 76.494 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

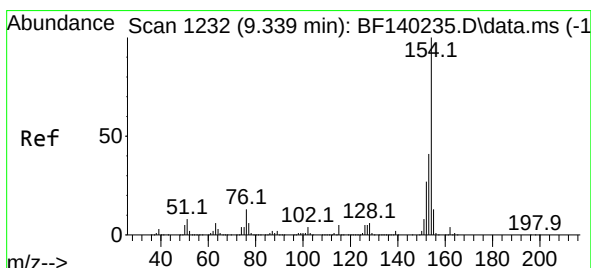
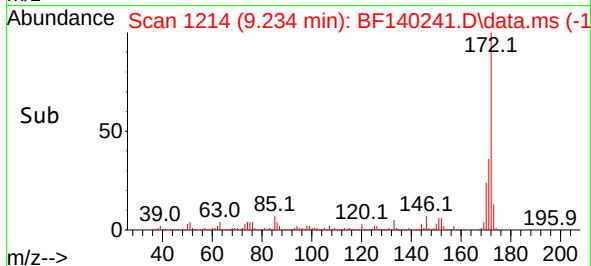
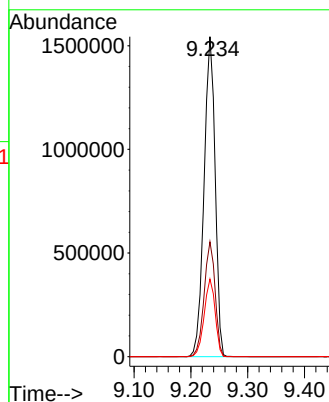
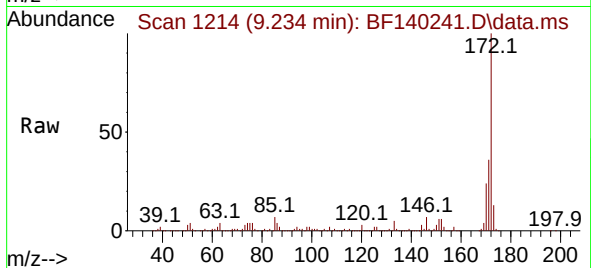
Tgt Ion:172 Resp: 2091802

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 24.2 19.6 29.4



#46

1,1'-Biphenyl

Concen: 5.410 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

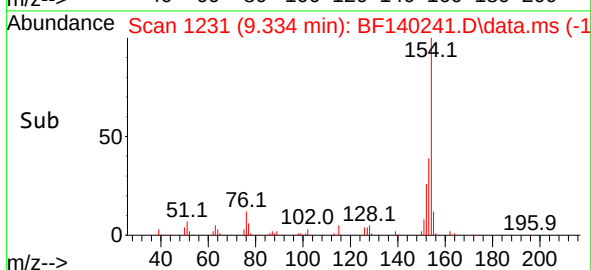
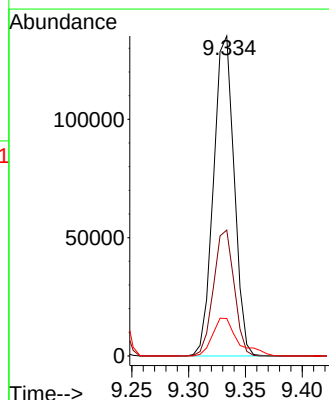
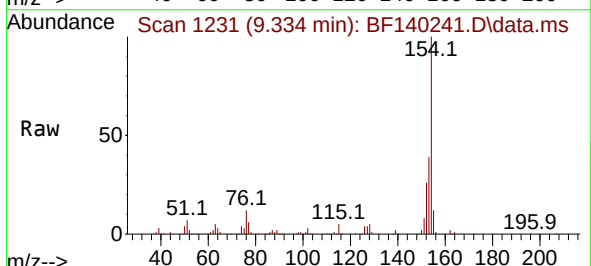
Tgt Ion:154 Resp: 170759

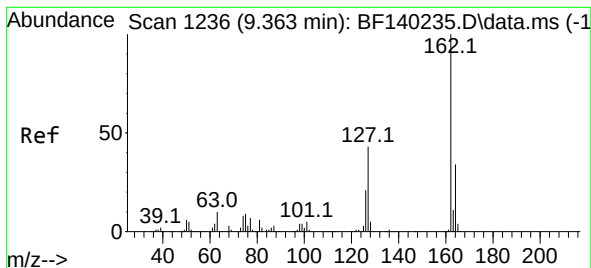
Ion Ratio Lower Upper

154 100

153 39.4 20.8 60.8

76 11.7 0.0 32.6





#47

2-Chloronaphthalene

Concen: 5.014 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

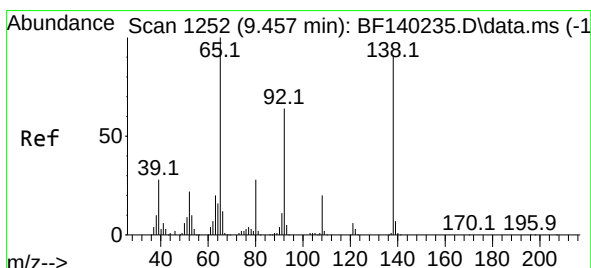
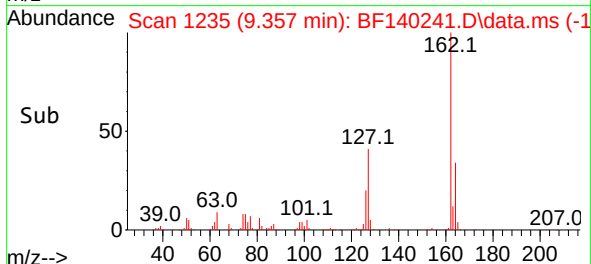
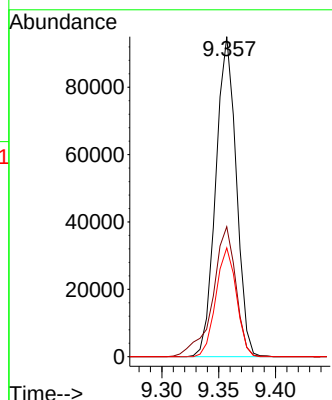
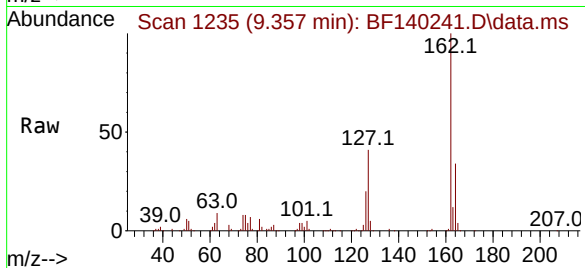
Tgt Ion:162 Resp: 119122

Ion Ratio Lower Upper

162 100

127 40.6 34.8 52.2

164 34.0 27.3 40.9



#48

2-Nitroaniline

Concen: 4.654 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

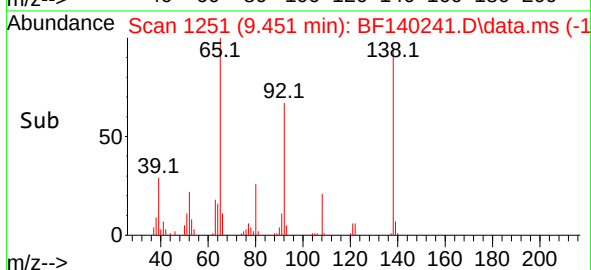
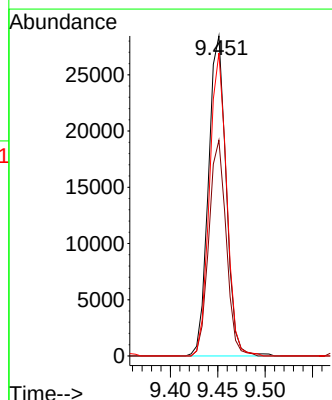
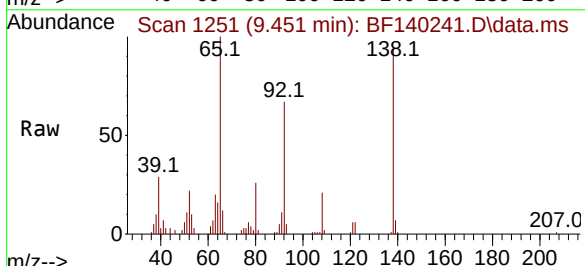
Tgt Ion: 65 Resp: 36971

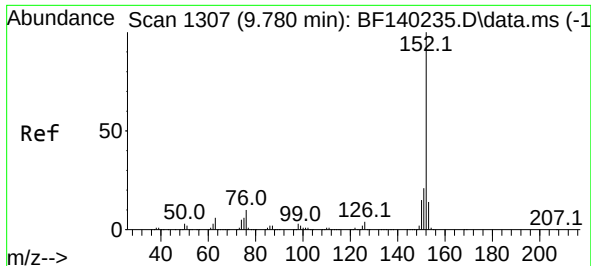
Ion Ratio Lower Upper

65 100

92 67.4 51.6 77.4

138 94.7 73.0 109.6

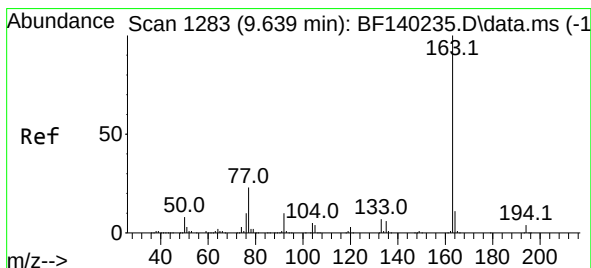
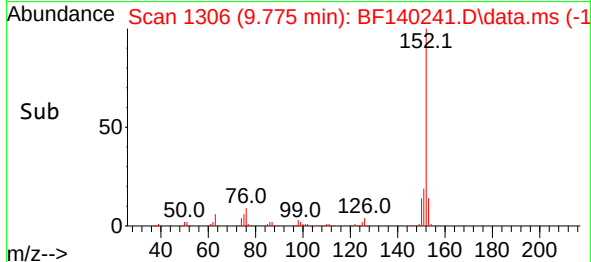
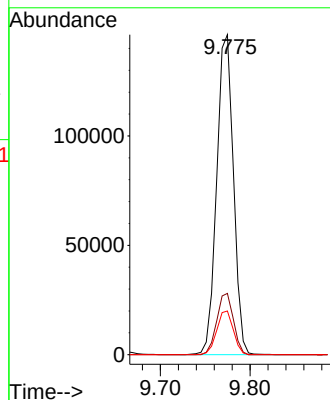
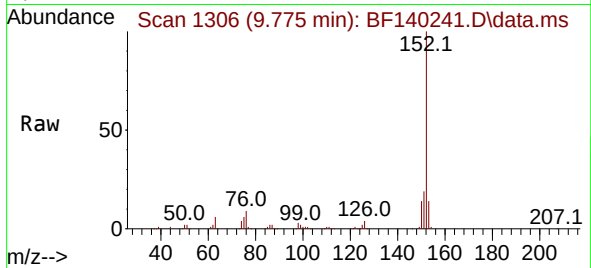




#49
Acenaphthylene
Concen: 5.630 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

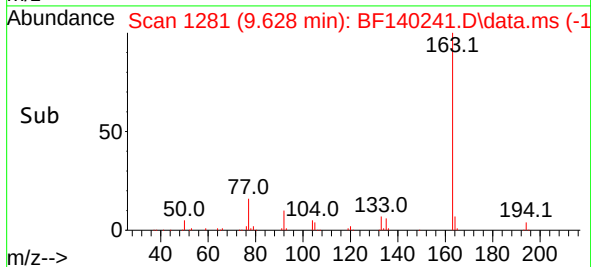
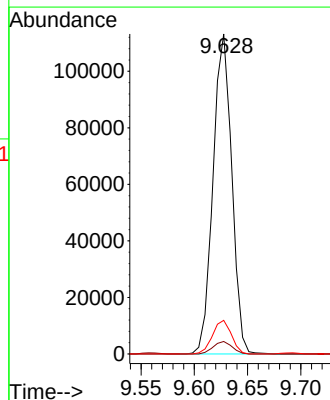
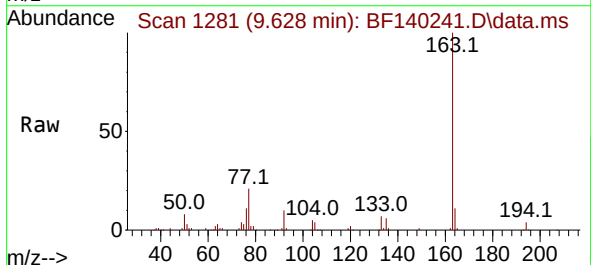
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

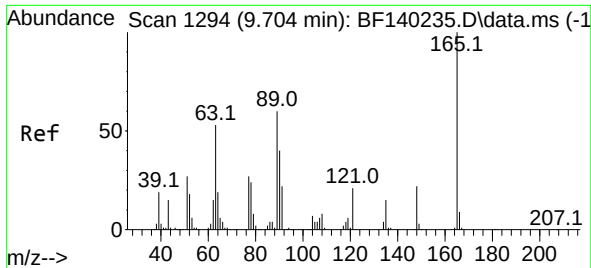
Tgt Ion:152 Resp: 189334
Ion Ratio Lower Upper
152 100
151 19.1 16.4 24.6
153 13.6 11.1 16.7



#50
Dimethylphthalate
Concen: 5.138 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:163 Resp: 138185
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.5 8.6 13.0

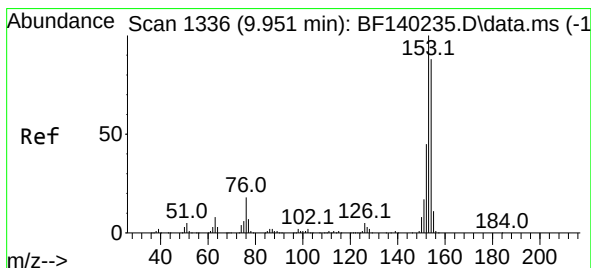
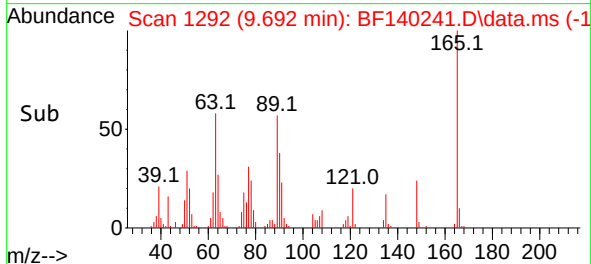
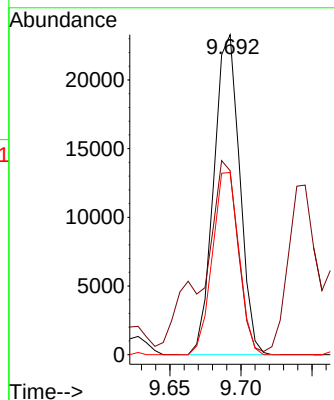
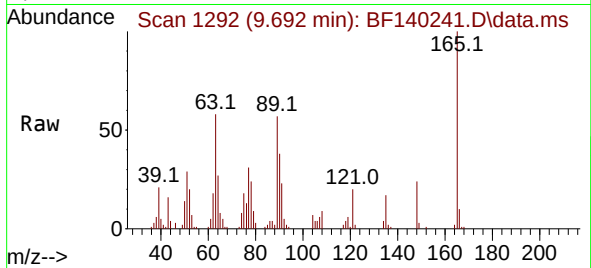




#51
2,6-Dinitrotoluene
Concen: 4.658 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

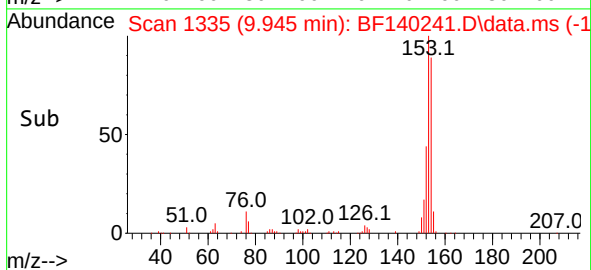
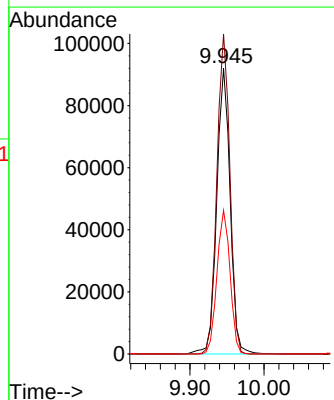
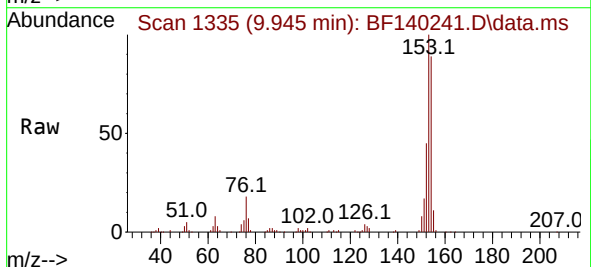
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

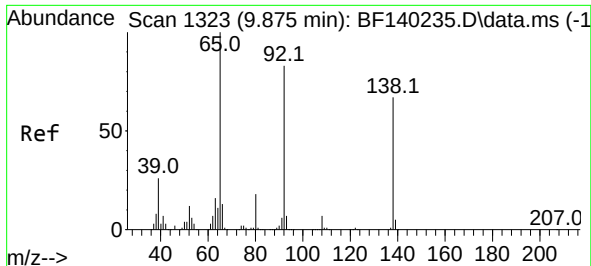
Tgt Ion:165	Resp:	29446
Ion Ratio	Lower	Upper
165	100	
63	57.5	48.8 73.2
89	56.9	48.1 72.1



#52
Acenaphthene
Concen: 4.831 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:154	Resp:	115244
Ion Ratio	Lower	Upper
154	100	
153	112.0	91.3 136.9
152	50.3	41.4 62.2

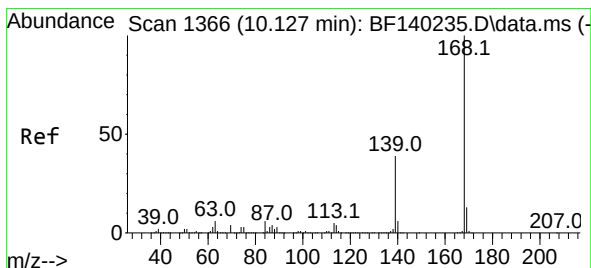
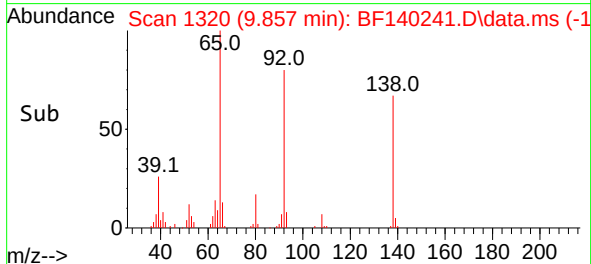
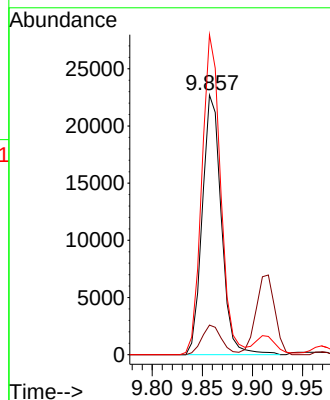
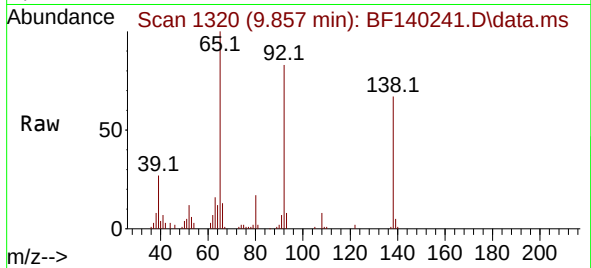




#53
3-Nitroaniline
Concen: 5.056 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

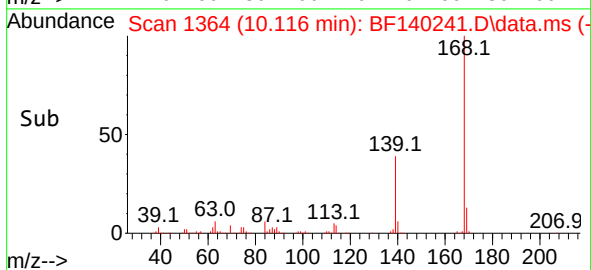
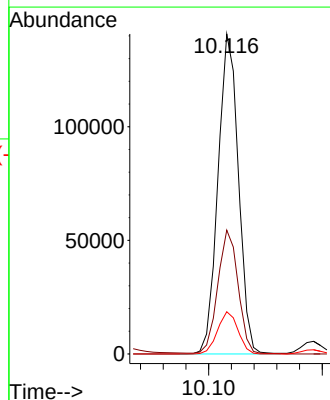
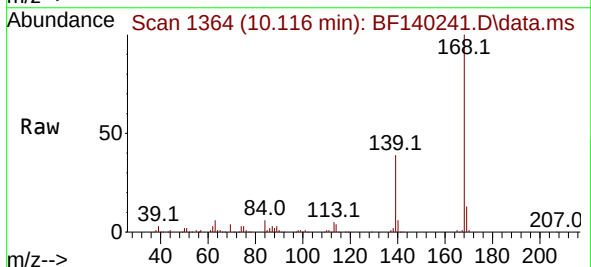
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

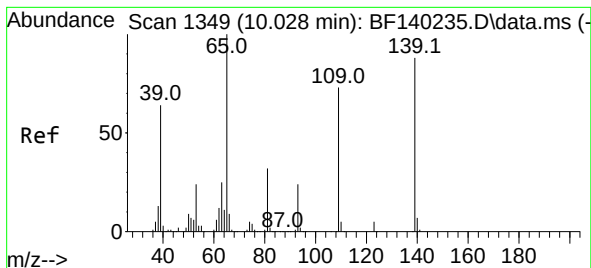
Tgt Ion:138 Resp: 30092
Ion Ratio Lower Upper
138 100
108 11.4 8.8 13.2
92 123.3 100.0 150.0



#55
Dibenzofuran
Concen: 5.275 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.011 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:168 Resp: 175962
Ion Ratio Lower Upper
168 100
139 38.7 31.5 47.3
169 13.2 10.6 15.8





#56

4-Nitrophenol

Concen: 3.581 ng

RT: 10.016 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

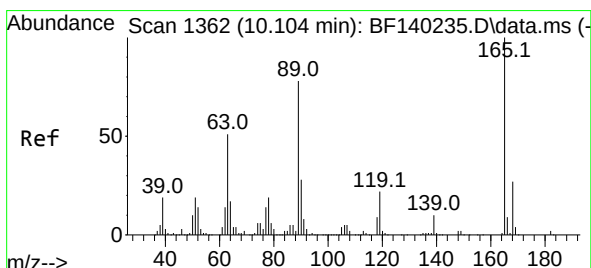
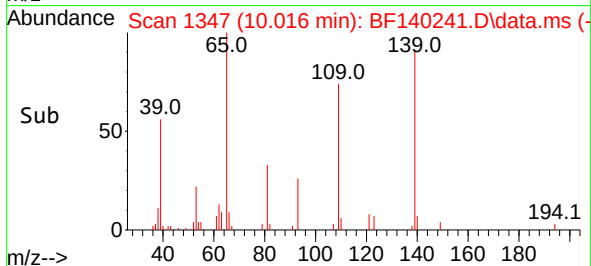
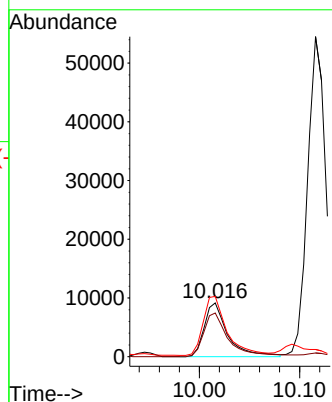
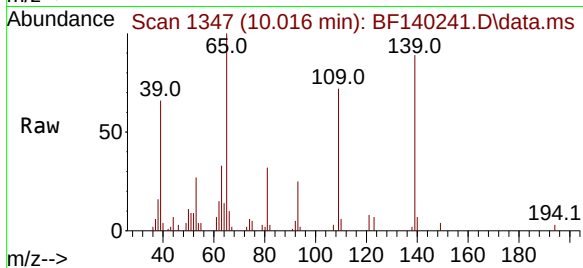
Tgt Ion:139 Resp: 14986

Ion Ratio Lower Upper

139 100

109 81.3 63.8 103.8

65 112.2 94.7 134.7



#57

2,4-Dinitrotoluene

Concen: 4.675 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Tgt Ion:165 Resp: 38346

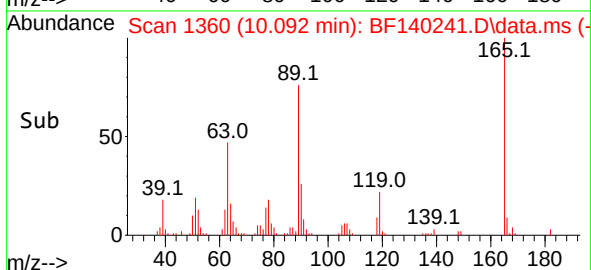
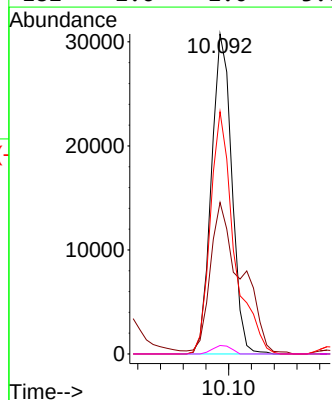
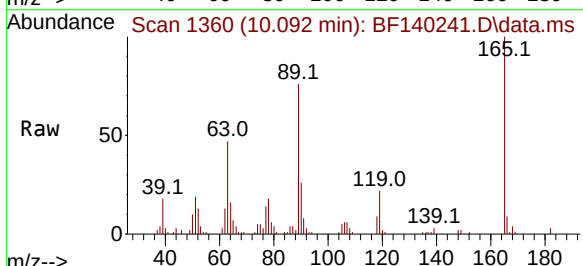
Ion Ratio Lower Upper

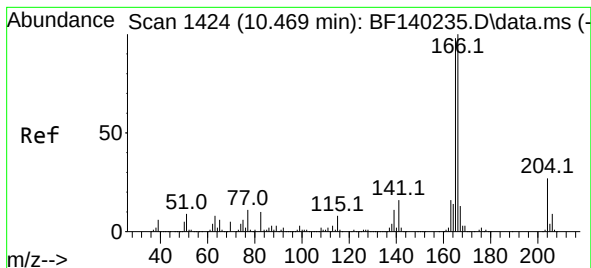
165 100

63 47.3 41.3 61.9

89 75.7 62.6 94.0

182 2.6 2.0 3.0





#58

Fluorene

Concen: 5.250 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

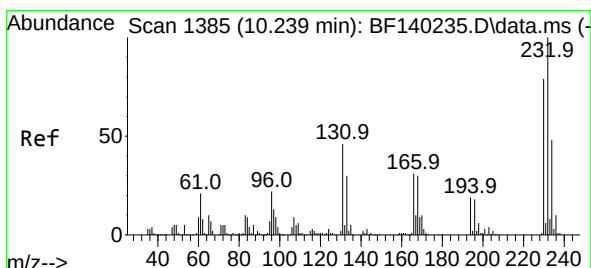
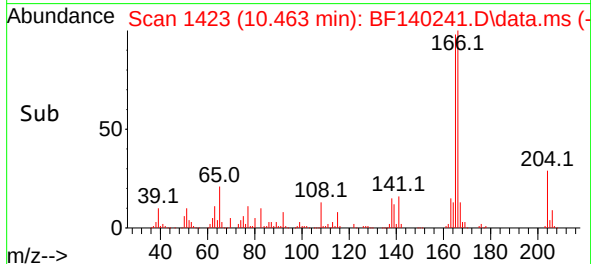
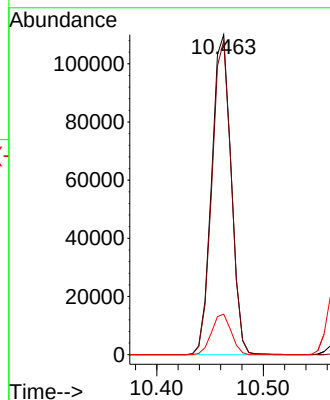
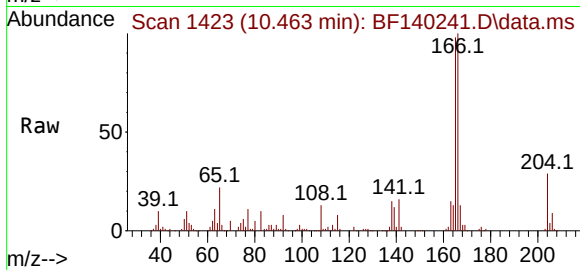
Tgt Ion:166 Resp: 139395

Ion Ratio Lower Upper

166 100

165 98.1 78.7 118.1

167 12.6 10.8 16.2



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.691 ng

RT: 10.233 min Scan# 1384

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Tgt Ion:232 Resp: 32006

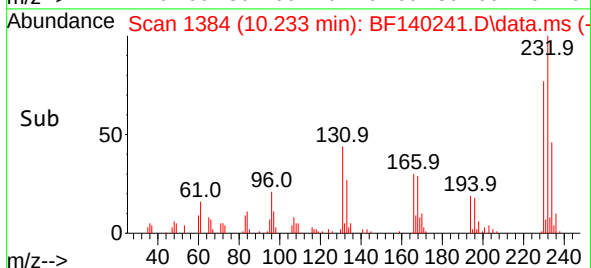
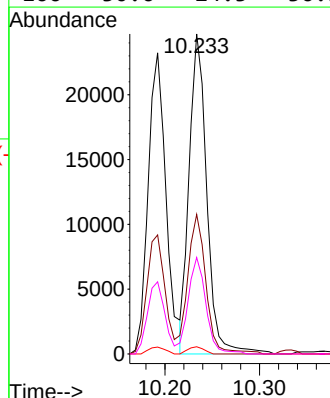
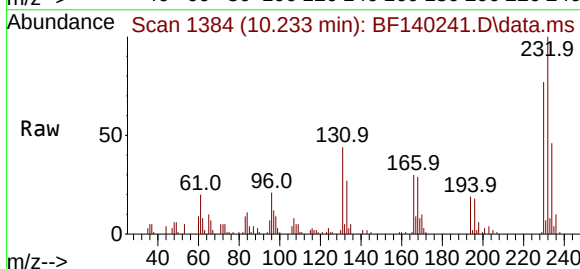
Ion Ratio Lower Upper

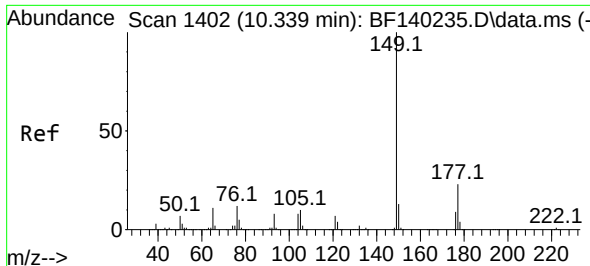
232 100

131 45.4 37.2 55.8

130 2.0 1.8 2.8

166 30.6 24.3 36.5

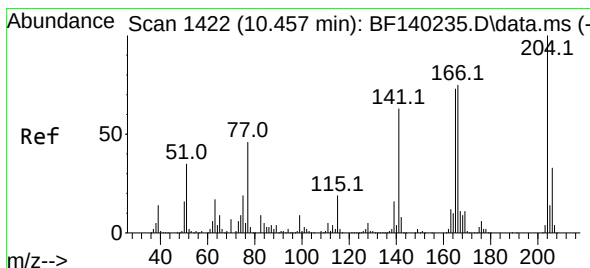
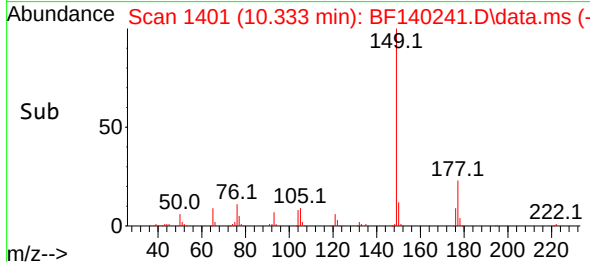
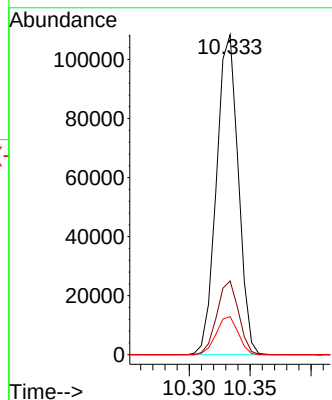
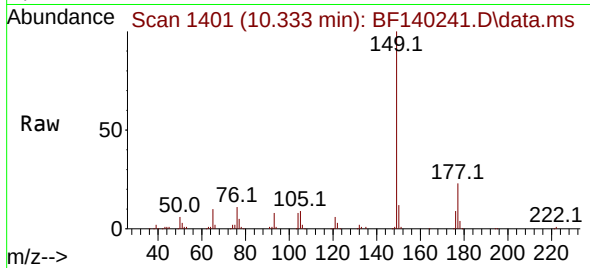




#60
Diethylphthalate
Concen: 5.053 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

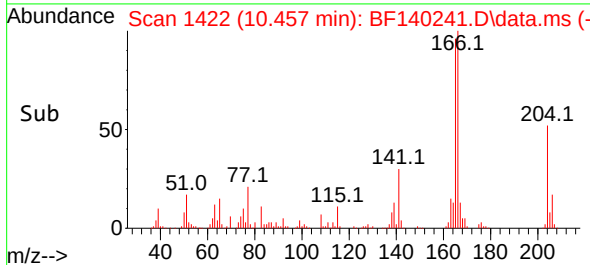
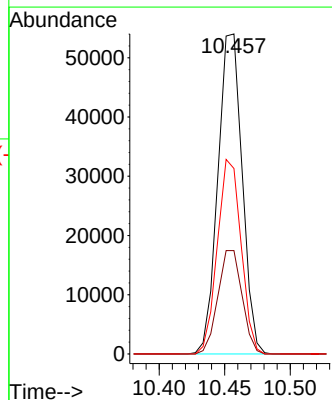
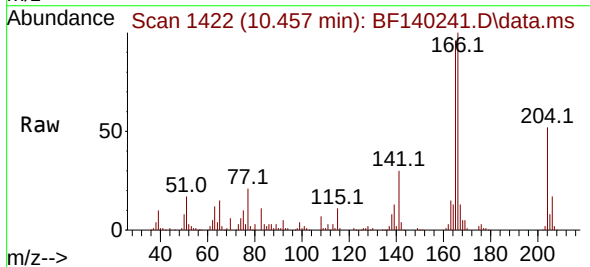
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

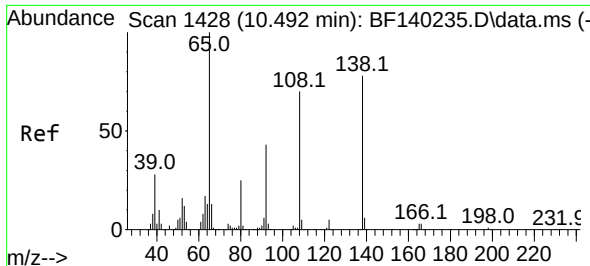
Tgt Ion:149 Resp: 135028
Ion Ratio Lower Upper
149 100
177 23.0 18.1 27.1
150 11.9 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 5.203 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:204 Resp: 69633
Ion Ratio Lower Upper
204 100
206 32.3 26.2 39.4
141 58.0 50.3 75.5

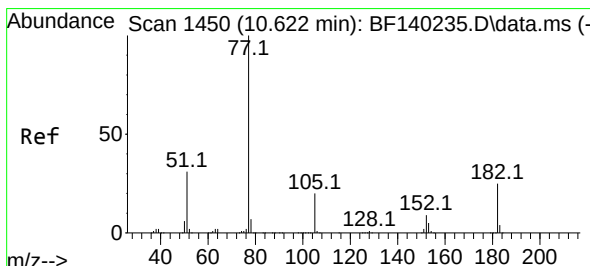
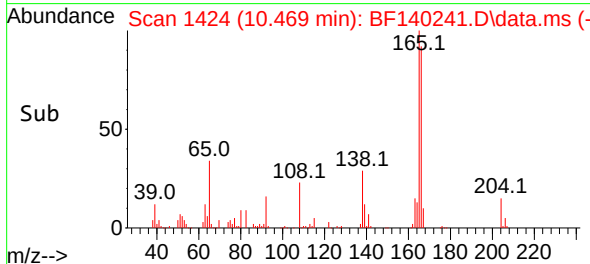
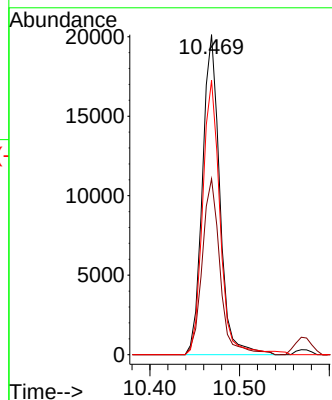
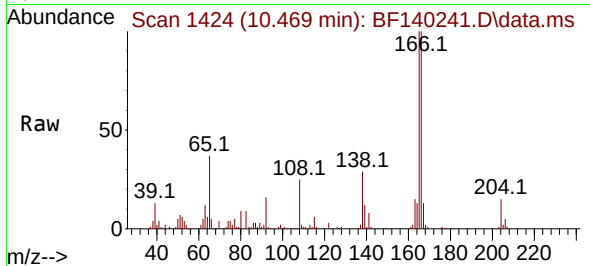




#62
4-Nitroaniline
Concen: 4.561 ng
RT: 10.469 min Scan# 1428
Delta R.T. -0.023 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

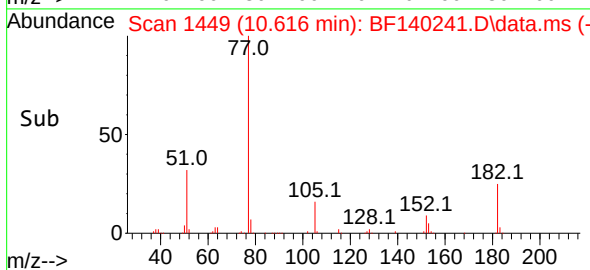
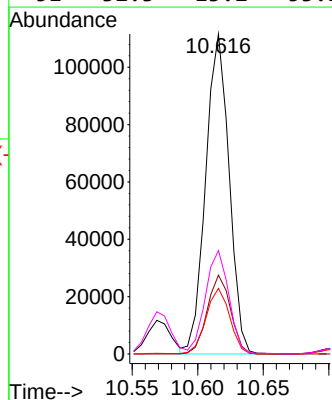
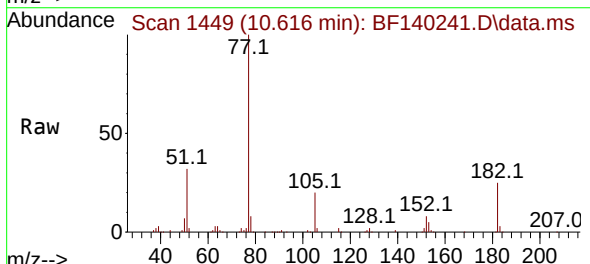
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

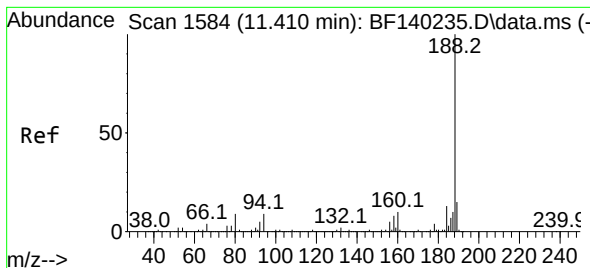
Tgt Ion:138 Resp: 26980
Ion Ratio Lower Upper
138 100
92 55.0 35.3 75.3
108 85.7 70.1 110.1



#63
Azobenzene
Concen: 5.015 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion: 77 Resp: 138925
Ion Ratio Lower Upper
77 100
182 24.6 4.7 44.7
105 20.5 0.0 40.0
51 32.3 13.2 53.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

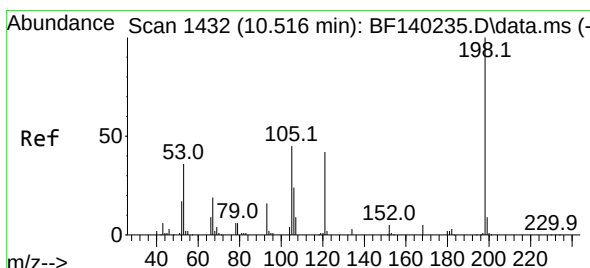
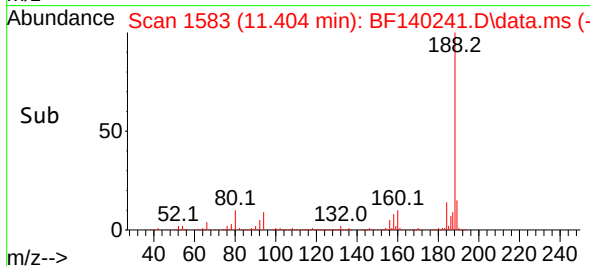
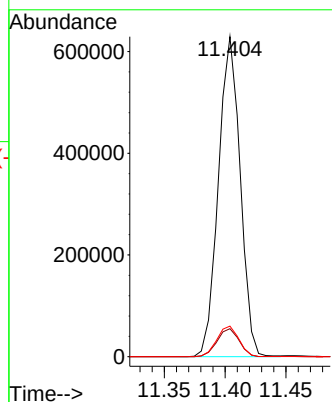
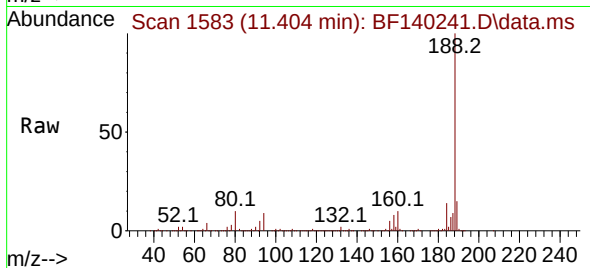
Tgt Ion:188 Resp: 784603

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

80 9.6 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 2.424 ng

RT: 10.504 min Scan# 1430

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

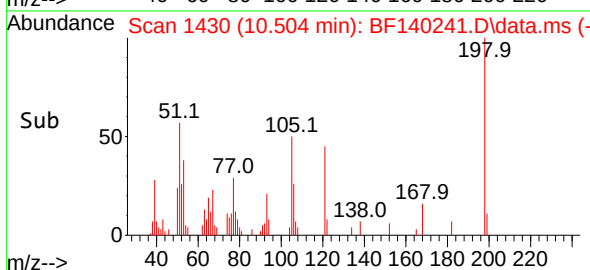
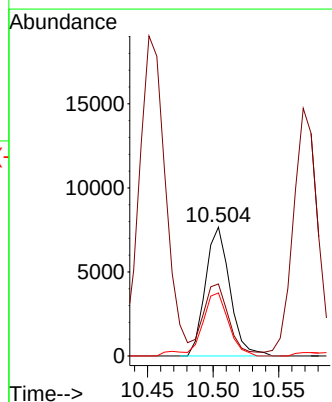
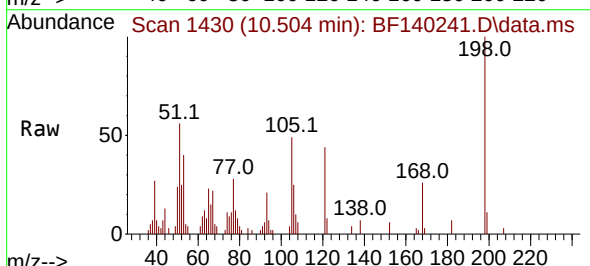
Tgt Ion:198 Resp: 9989

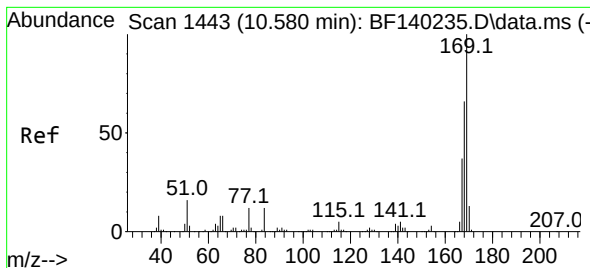
Ion Ratio Lower Upper

198 100

51 55.9 34.0 74.0

105 49.0 25.1 65.1





#66

n-Nitrosodiphenylamine

Concen: 5.211 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

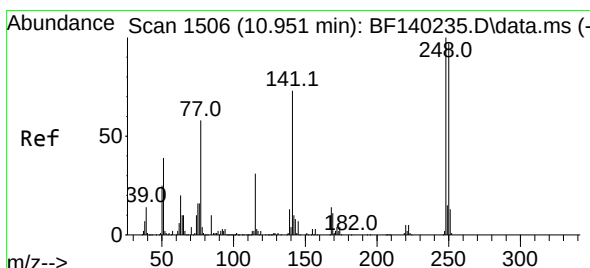
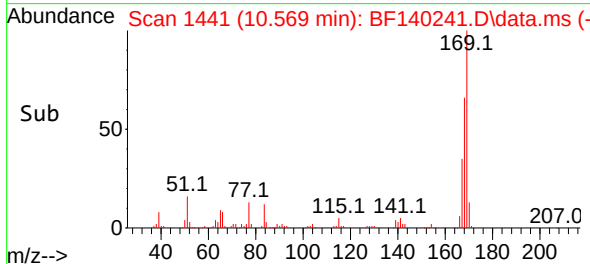
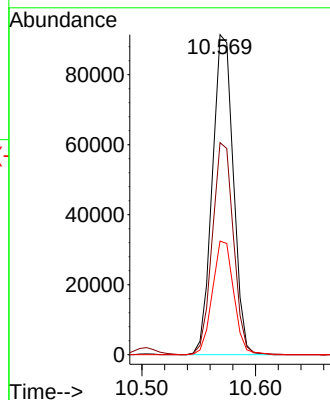
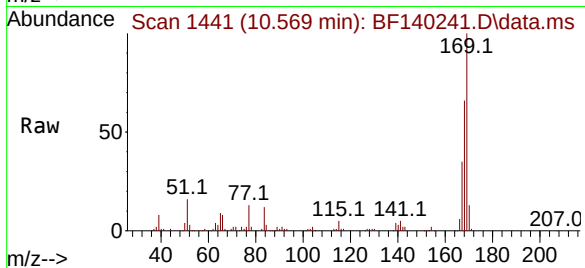
Tgt Ion:169 Resp: 117587

Ion Ratio Lower Upper

169 100

168 66.2 53.0 79.6

167 35.5 29.4 44.2



#67

4-Bromophenyl-phenylether

Concen: 4.903 ng

RT: 10.945 min Scan# 1505

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

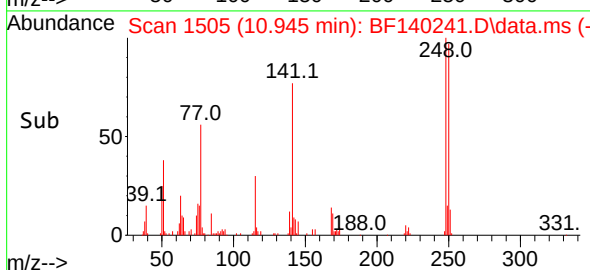
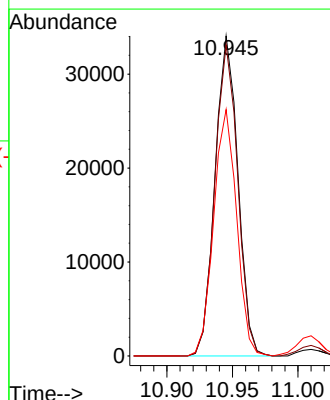
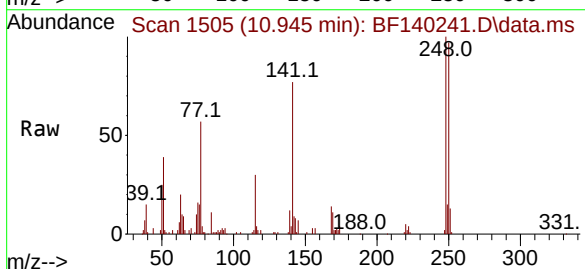
Tgt Ion:248 Resp: 41421

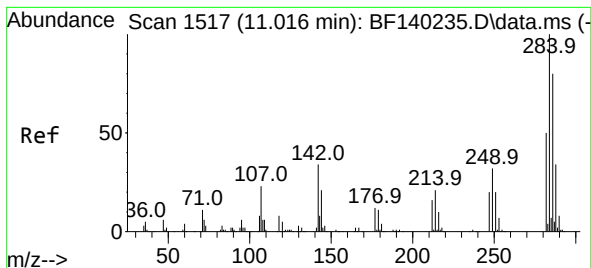
Ion Ratio Lower Upper

248 100

250 97.3 77.9 116.9

141 77.0 58.6 88.0





#68

Hexachlorobenzene

Concen: 4.868 ng

RT: 11.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

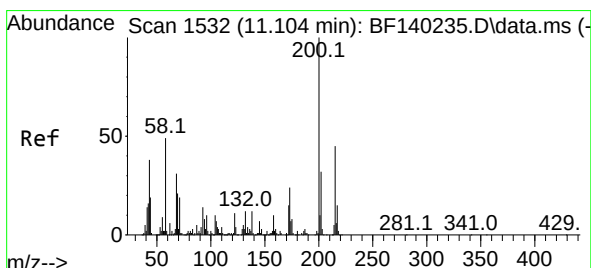
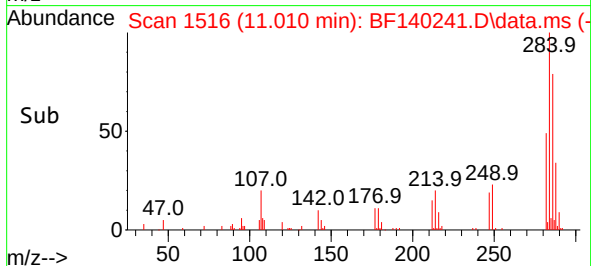
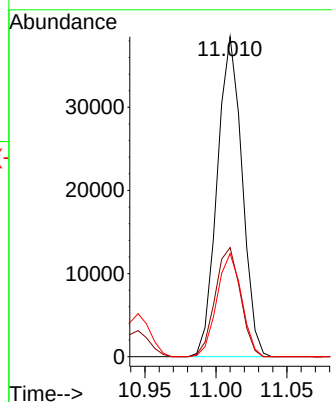
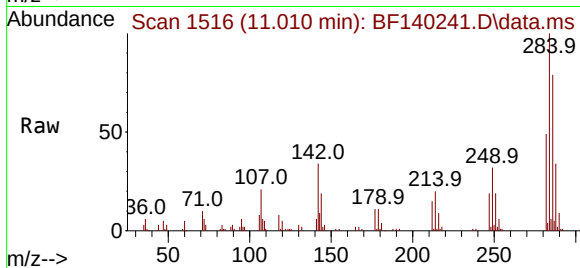
Tgt Ion:284 Resp: 46885

Ion Ratio Lower Upper

284 100

142 34.1 27.5 41.3

249 32.2 26.2 39.2



#69

Atrazine

Concen: 6.546 ng

RT: 11.092 min Scan# 1530

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

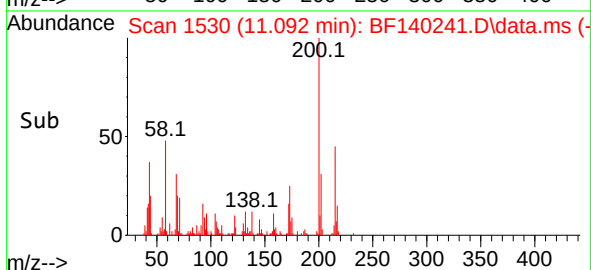
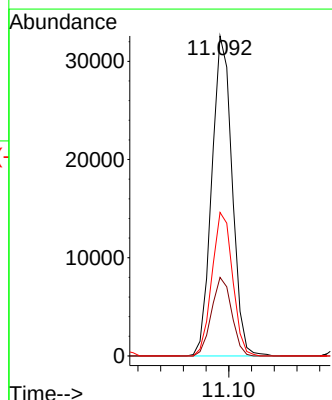
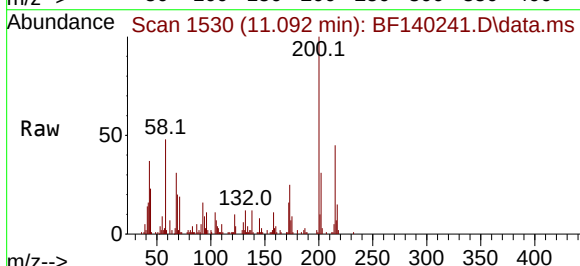
Tgt Ion:200 Resp: 40414

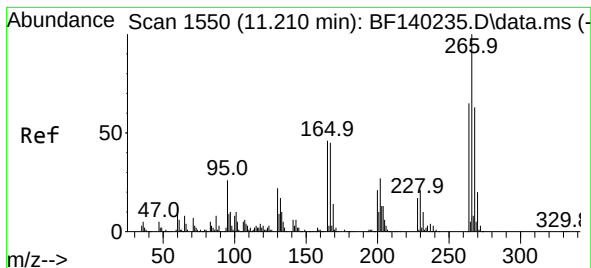
Ion Ratio Lower Upper

200 100

173 24.6 4.4 44.4

215 44.8 25.2 65.2





#70

Pentachlorophenol

Concen: 2.750 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

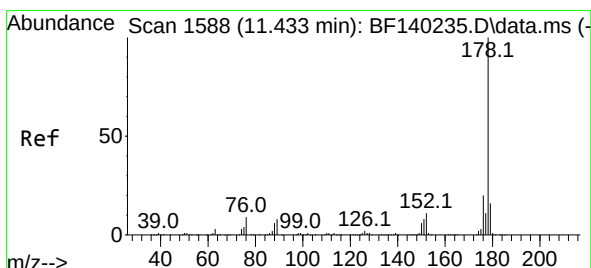
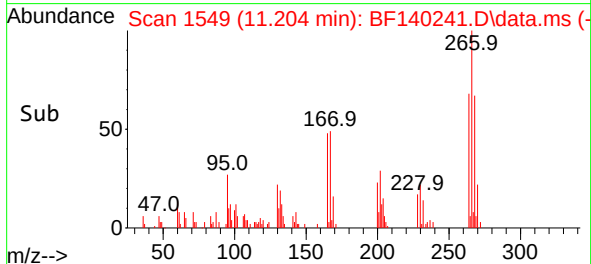
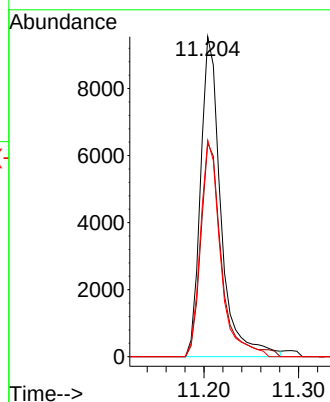
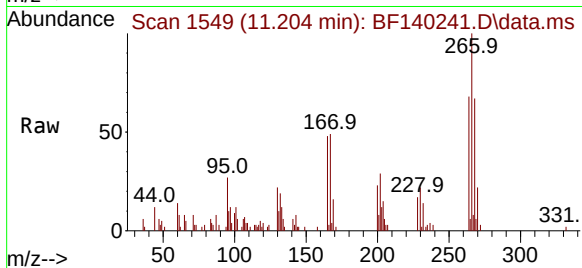
Tgt Ion:266 Resp: 14222

Ion Ratio Lower Upper

266 100

268 66.7 50.2 75.4

264 67.6 52.2 78.4



#71

Phenanthrene

Concen: 5.356 ng

RT: 11.428 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

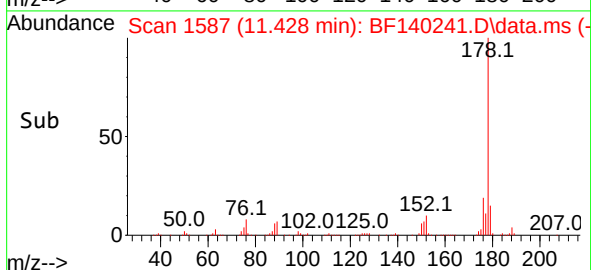
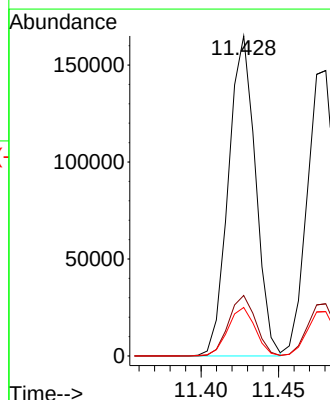
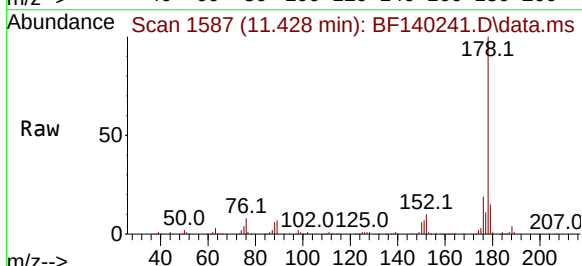
Tgt Ion:178 Resp: 200558

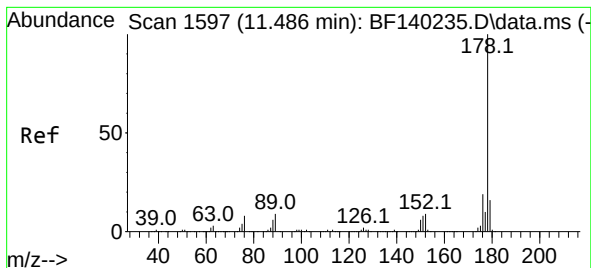
Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

179 15.2 12.6 18.8





#72

Anthracene

Concen: 5.243 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

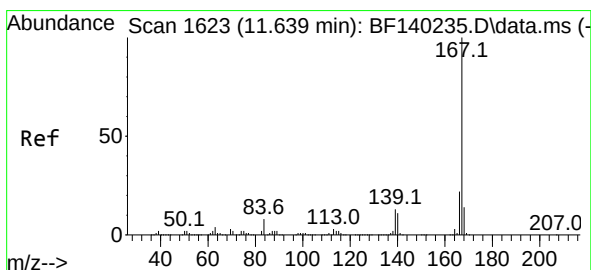
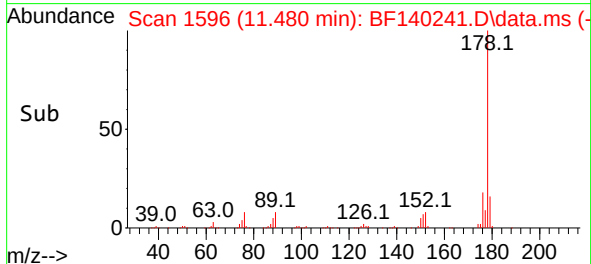
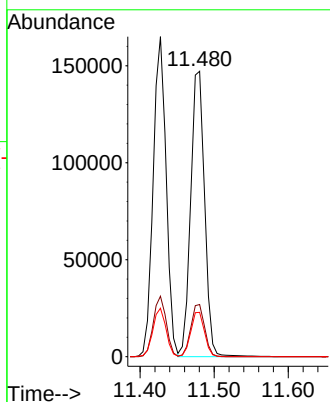
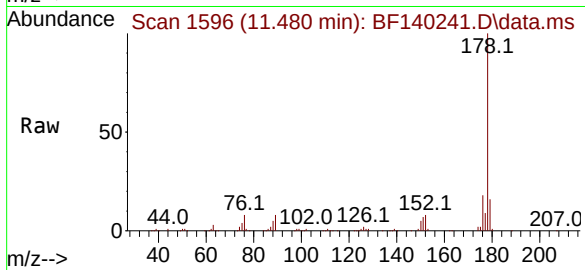
Tgt Ion:178 Resp: 192492

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.5 12.7 19.1



#73

Carbazole

Concen: 5.174 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

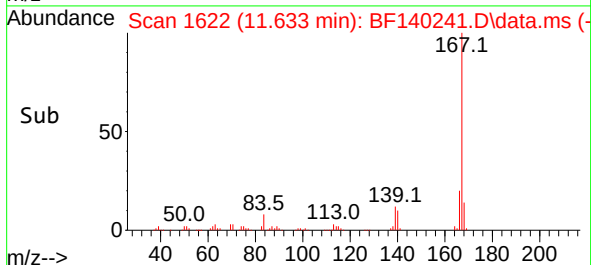
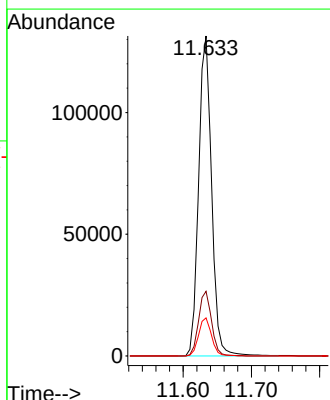
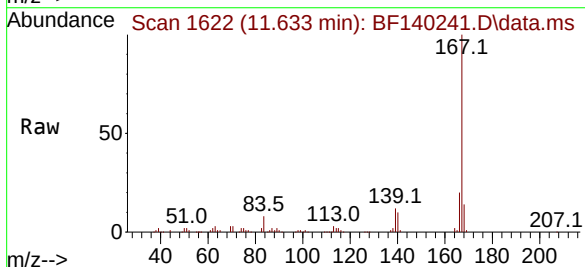
Tgt Ion:167 Resp: 173571

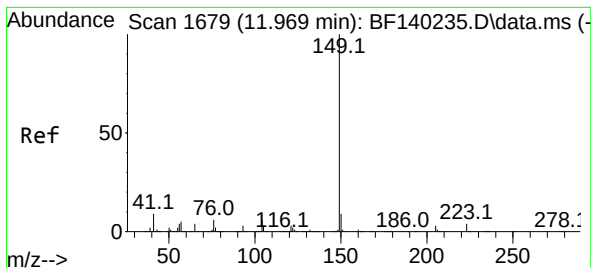
Ion Ratio Lower Upper

167 100

166 20.2 17.3 25.9

139 11.9 10.7 16.1





#74

Di-n-butylphthalate

Concen: 5.017 ng

RT: 11.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

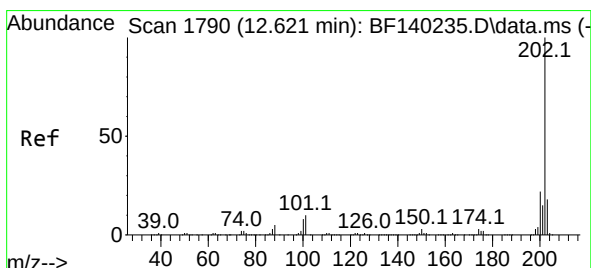
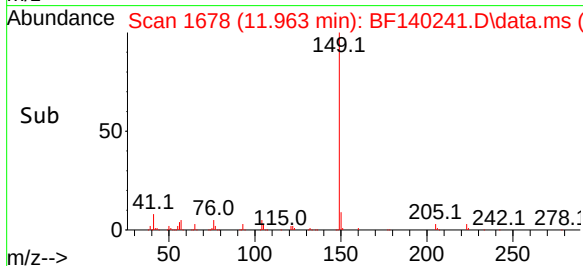
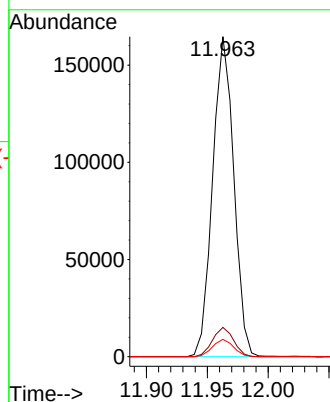
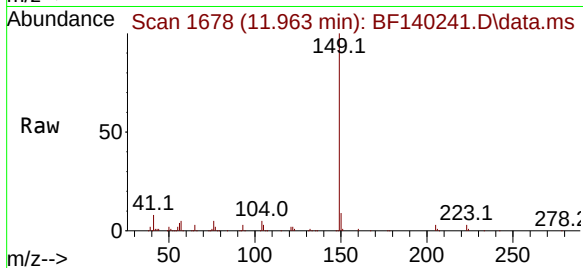
Tgt Ion:149 Resp: 199246

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 5.4 4.5 6.7



#75

Fluoranthene

Concen: 5.044 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

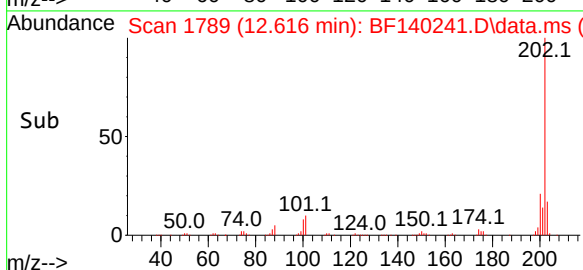
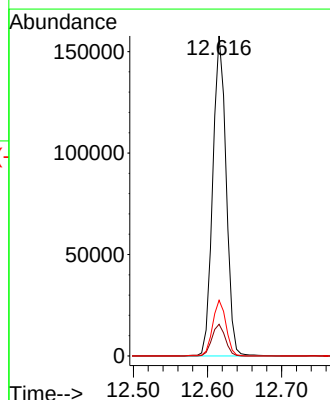
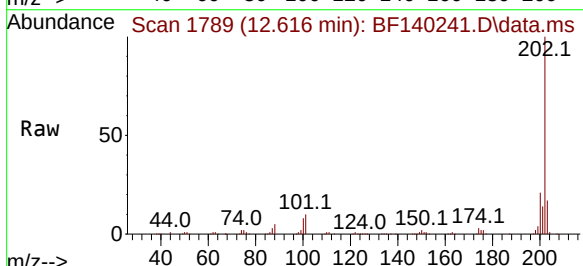
Tgt Ion:202 Resp: 197480

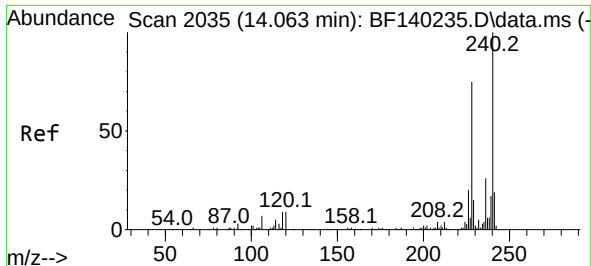
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.4

203 17.4 0.0 38.0

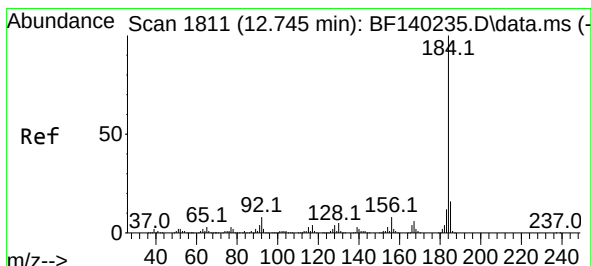
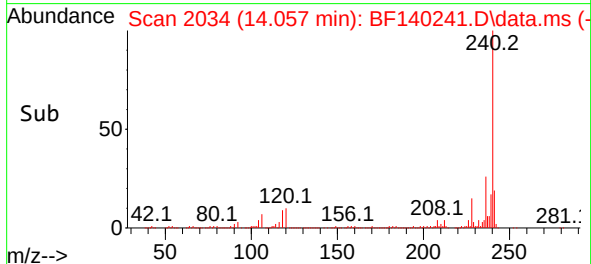
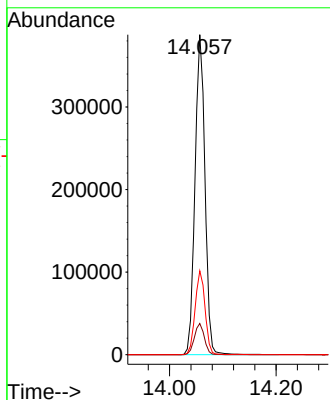
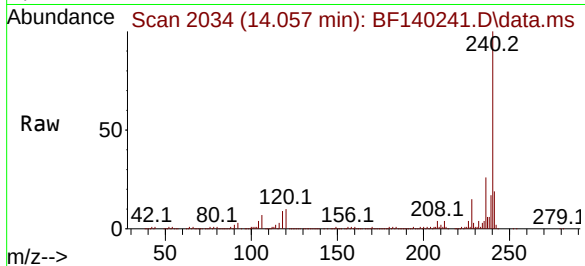




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

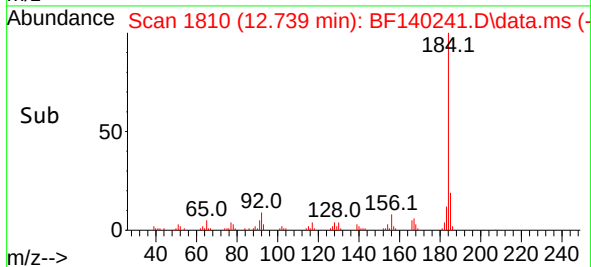
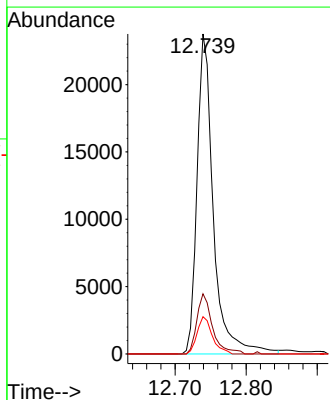
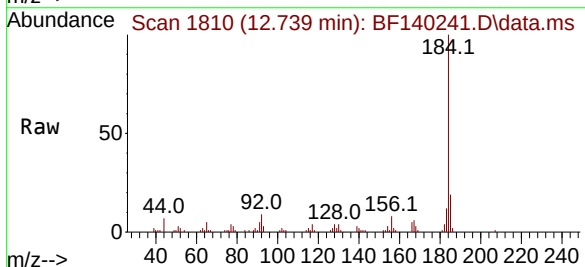
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024

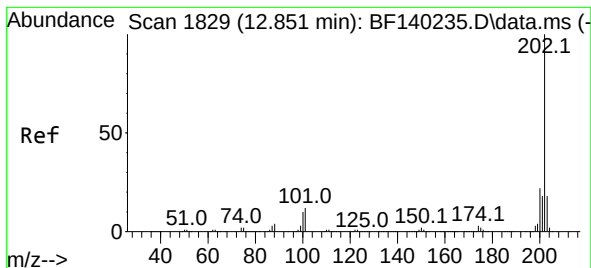
Tgt Ion:240 Resp: 504679
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 26.2 20.9 31.3



#77
Benzidine
Concen: 3.844 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF140241.D
Acq: 05 Nov 2024 17:03

Tgt Ion:184 Resp: 37934
Ion Ratio Lower Upper
184 100
185 18.8 12.5 18.7#
183 11.6 9.3 13.9





#78

Pyrene

Concen: 4.936 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

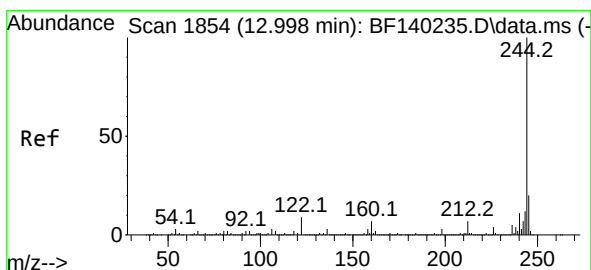
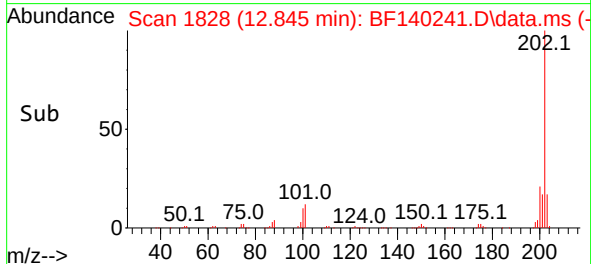
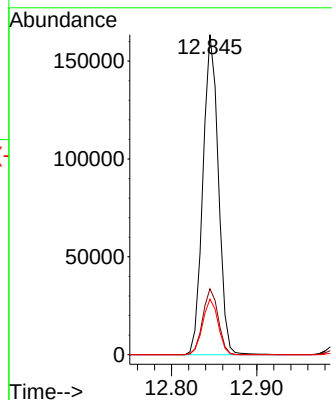
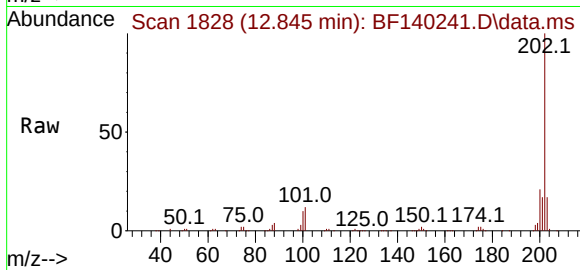
Tgt Ion:202 Resp: 205689

Ion Ratio Lower Upper

202 100

200 20.6 17.5 26.3

203 17.3 14.4 21.6



#79

Terphenyl-d14

Concen: 74.303 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

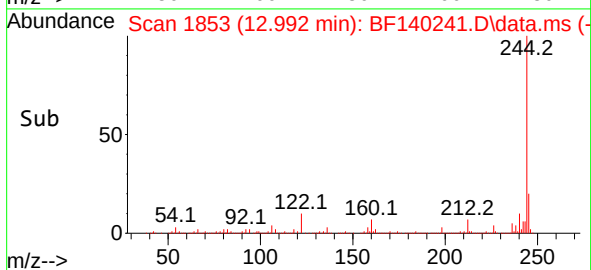
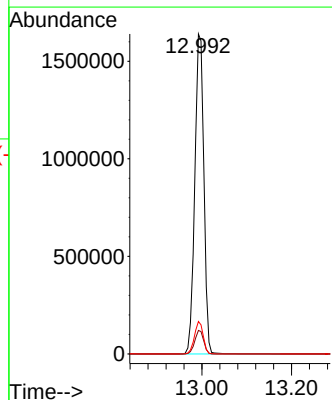
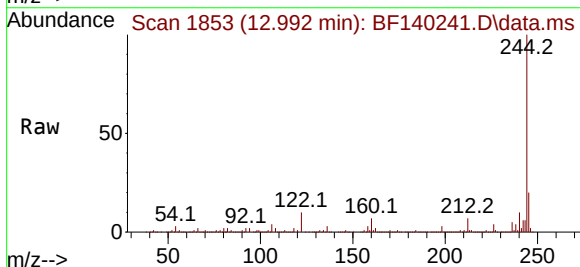
Tgt Ion:244 Resp: 2289131

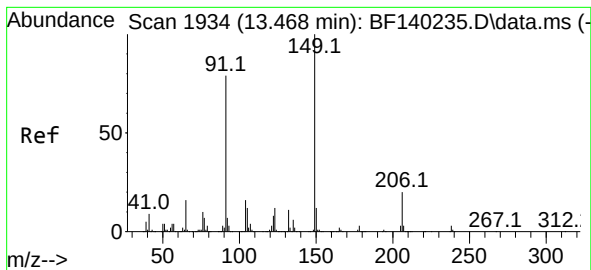
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 10.1 7.6 11.4





#80

Butylbenzylphthalate

Concen: 4.664 ng

RT: 13.469 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

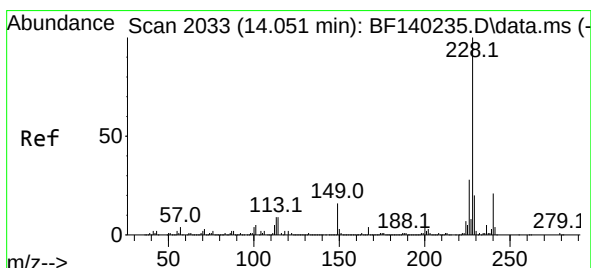
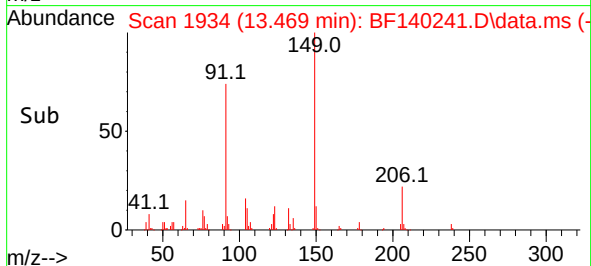
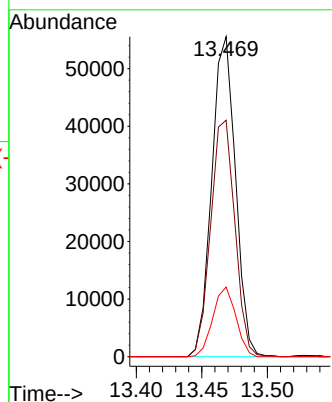
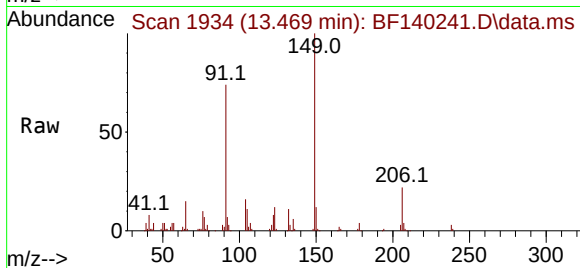
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:	149	Resp:	69987
Ion Ratio	Lower	Upper	
149	100		
91	73.9	63.0	94.4
206	21.7	16.4	24.6



#81

Benzo(a)anthracene

Concen: 5.014 ng

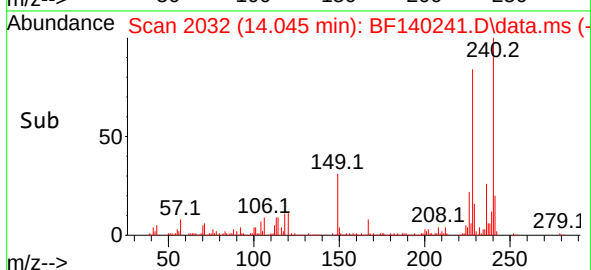
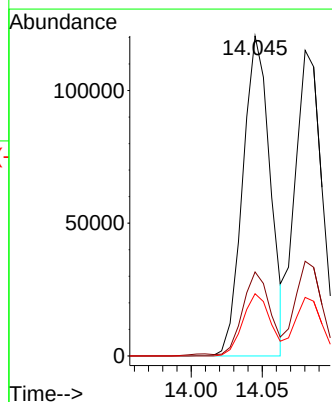
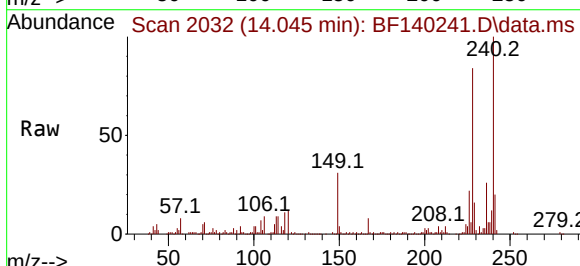
RT: 14.045 min Scan# 2032

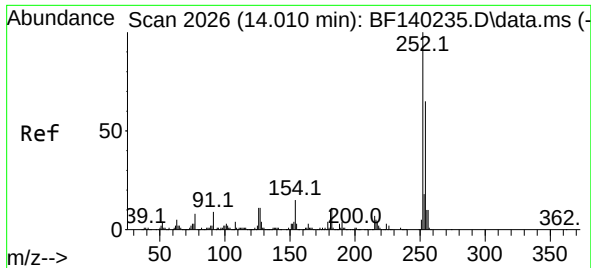
Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Tgt Ion:	228	Resp:	162394
Ion Ratio	Lower	Upper	
228	100		
226	26.3	22.3	33.5
229	19.4	16.1	24.1

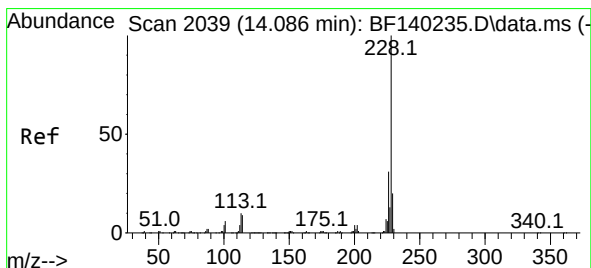
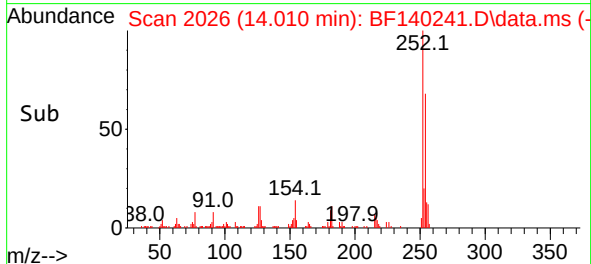
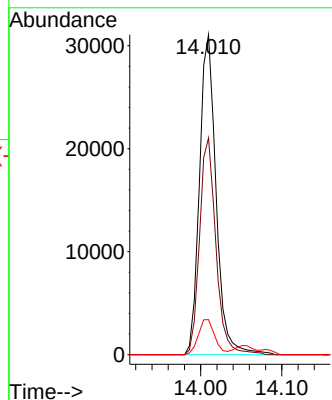
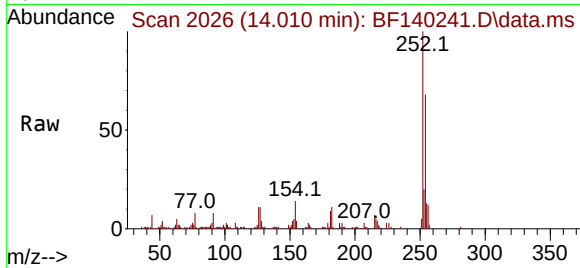




#82
 3,3'-Dichlorobenzidine
 Concen: 4.355 ng
 RT: 14.010 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

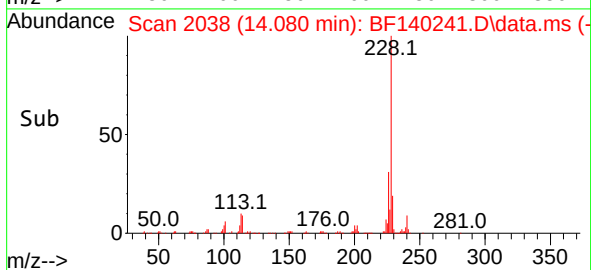
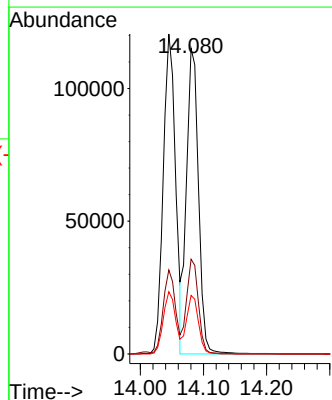
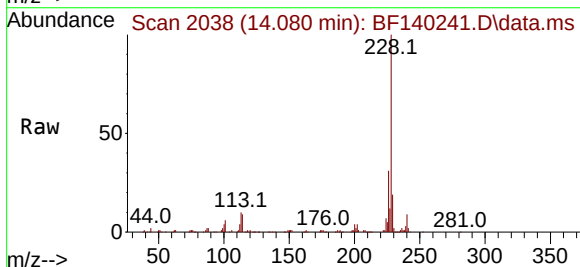
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

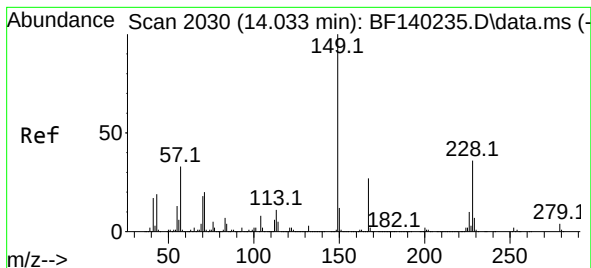
Tgt Ion:252 Resp: 44295
 Ion Ratio Lower Upper
 252 100
 254 67.8 51.8 77.8
 126 11.0 8.6 12.8



#83
 Chrysene
 Concen: 5.043 ng
 RT: 14.080 min Scan# 2038
 Delta R.T. -0.006 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

Tgt Ion:228 Resp: 152945
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.6 36.8
 229 19.2 16.1 24.1

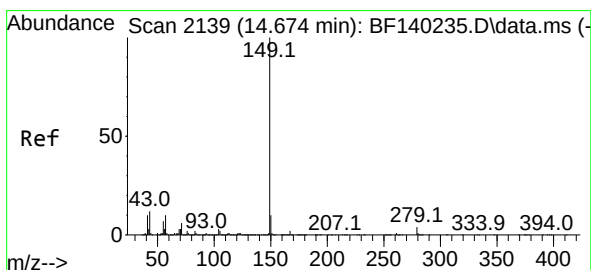
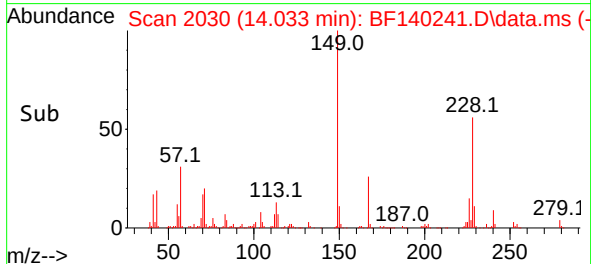
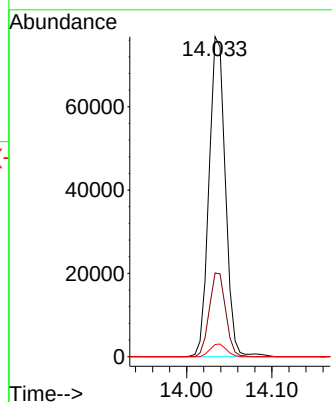
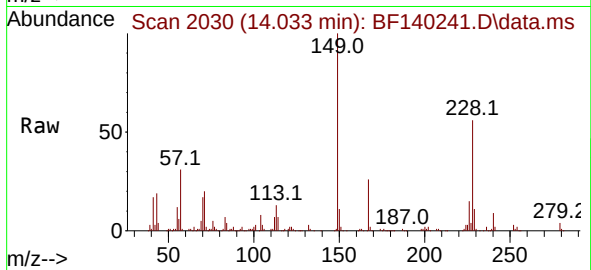




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.881 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

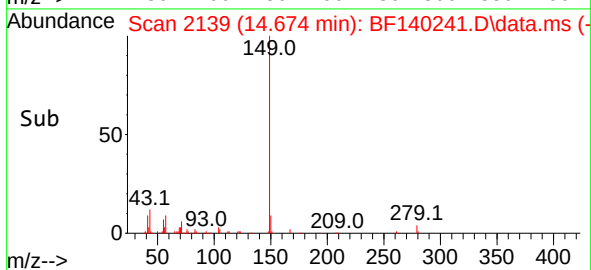
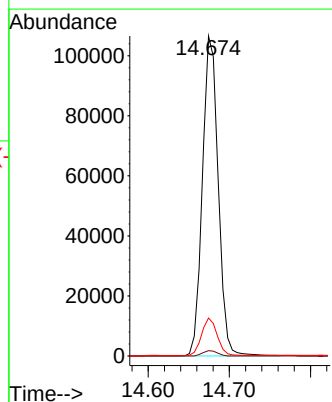
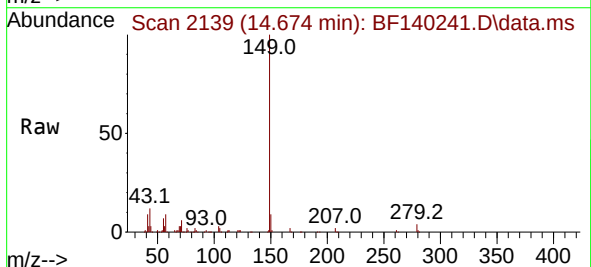
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

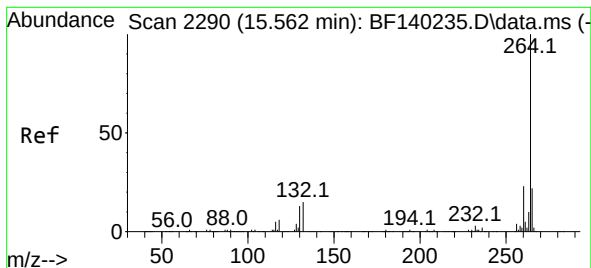
Tgt Ion:149 Resp: 102646
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.8 32.8
 279 3.8 3.2 4.8



#85
 Di-n-octyl phthalate
 Concen: 4.550 ng
 RT: 14.674 min Scan# 2139
 Delta R.T. 0.000 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

Tgt Ion:149 Resp: 144036
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 11.5 9.7 14.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

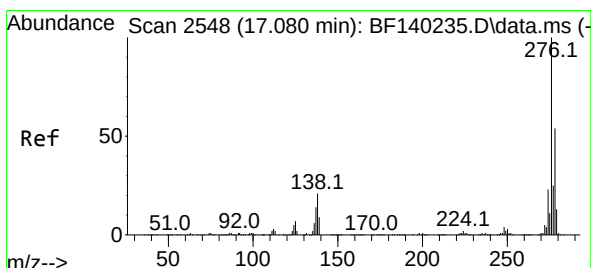
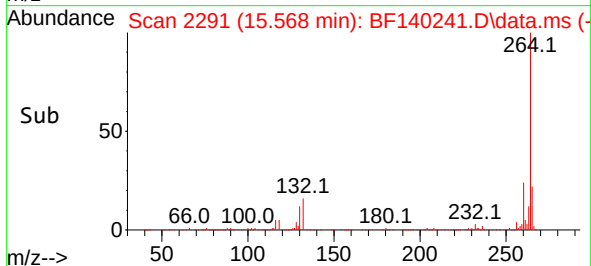
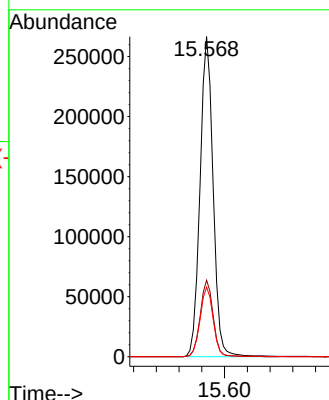
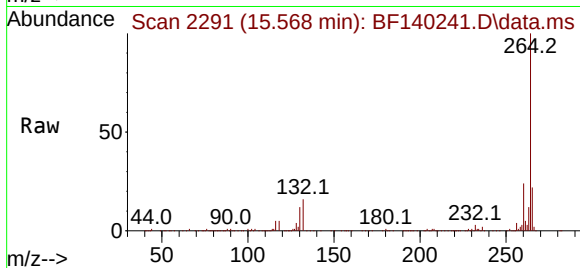
Tgt Ion:264 Resp: 426376

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.8 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.506 ng

RT: 17.068 min Scan# 2546

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

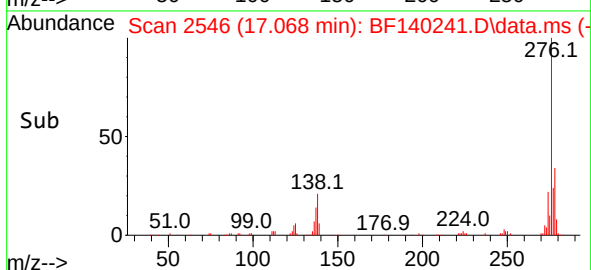
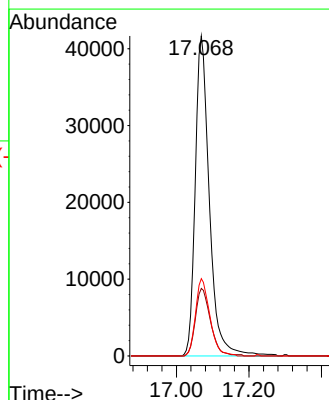
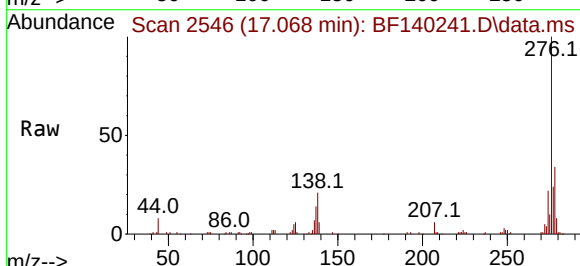
Tgt Ion:276 Resp: 112779

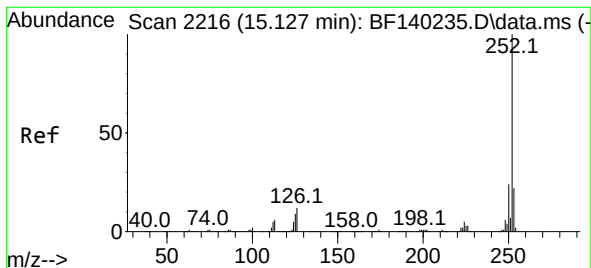
Ion Ratio Lower Upper

276 100

138 22.6 17.6 26.4

277 24.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 4.614 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

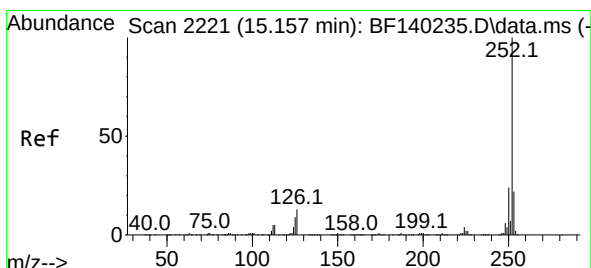
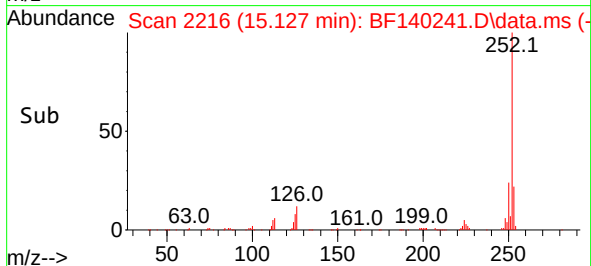
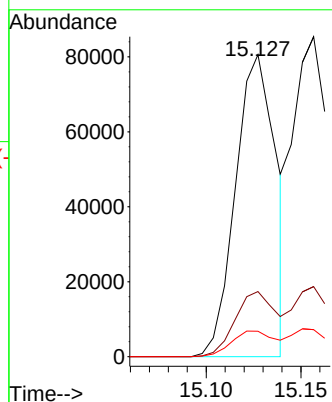
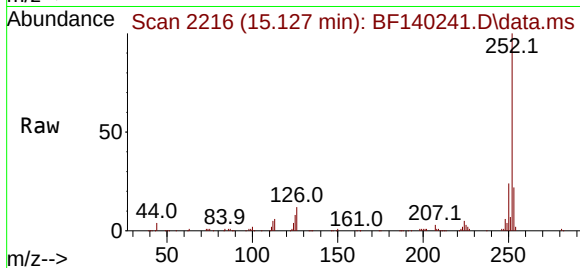
Tgt Ion:252 Resp: 119005

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

125 8.4 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 5.300 ng

RT: 15.157 min Scan# 2221

Delta R.T. 0.000 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

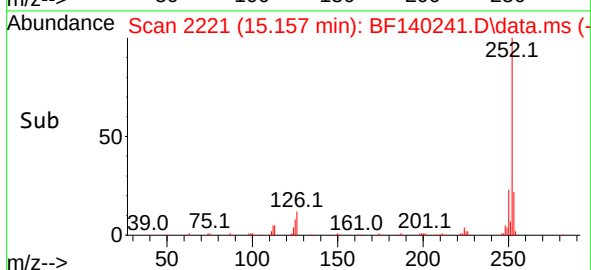
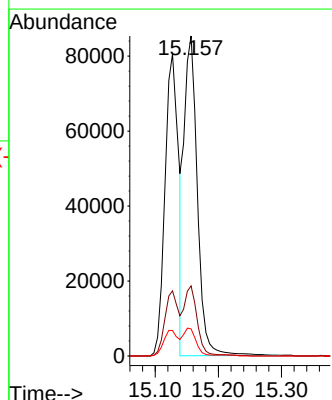
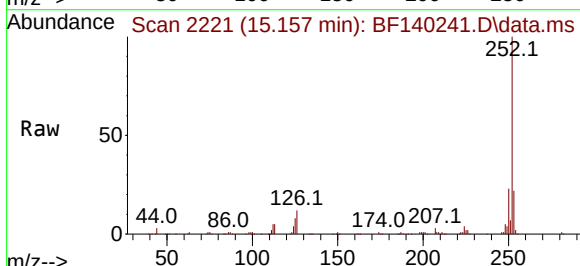
Tgt Ion:252 Resp: 125424

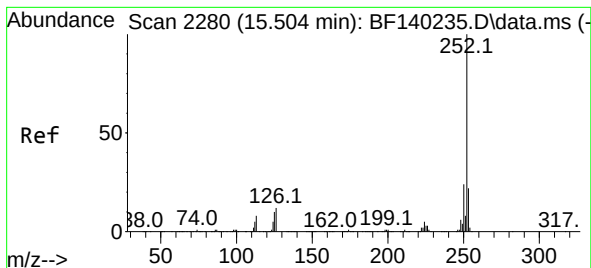
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 8.4 7.2 10.8





#90

Benzo(a)pyrene

Concen: 4.936 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

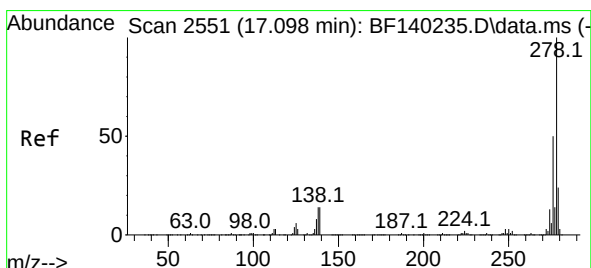
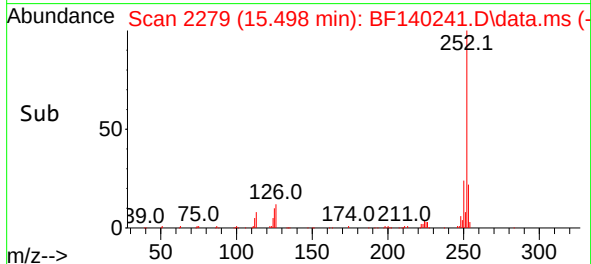
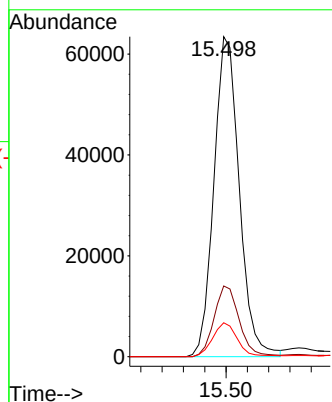
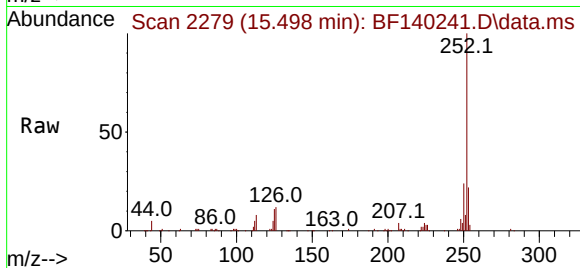
Tgt Ion:252 Resp: 104954

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 10.6 7.6 11.4



#91

Dibenzo(a,h)anthracene

Concen: 4.350 ng

RT: 17.086 min Scan# 2549

Delta R.T. -0.012 min

Lab File: BF140241.D

Acq: 05 Nov 2024 17:03

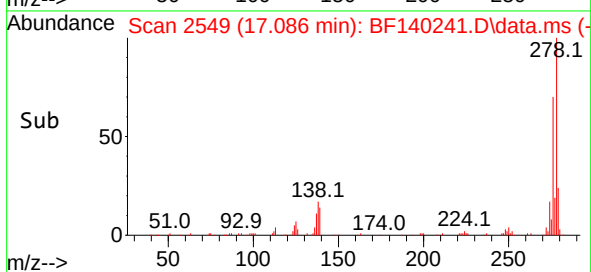
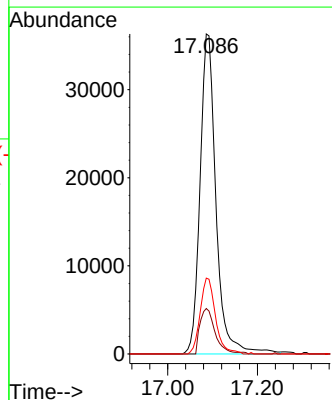
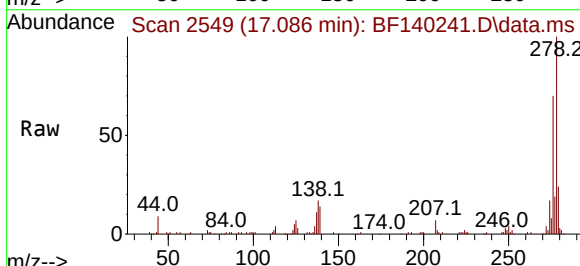
Tgt Ion:278 Resp: 89580

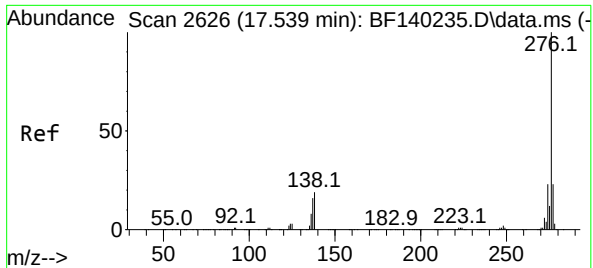
Ion Ratio Lower Upper

278 100

139 14.2 11.1 16.7

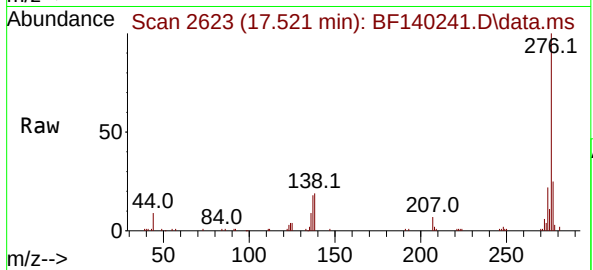
279 23.7 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.096 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF140241.D
 Acq: 05 Nov 2024 17:03

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



Tgt Ion:276 Resp: 86029
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.8 28.2
 138 19.3 15.3 22.9

