

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140343.D
 Acq On : 13 Nov 2024 15:25
 Operator : RC/JU
 Sample : P4495-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 13 15:47:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	108039	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	422748	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	238094	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	444526	20.000	ng	0.00
76) Chrysene-d12	14.080	240	249001	20.000	ng	0.03
86) Perylene-d12	15.615	264	223254	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	556914	88.011	ng	0.00
7) Phenol-d6	6.504	99	782386	91.261	ng	0.00
23) Nitrobenzene-d5	7.439	82	520767	64.183	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	234780	99.161	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	967105	65.296	ng	0.00
79) Terphenyl-d14	12.986	244	1190175	82.967	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.610	93	1129089	151.397	ng	# 54
8) 2-Chlorophenol	6.663	128	421965	62.079	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	1129089	164.822	ng	97
12) 1,3-Dichlorobenzene	6.822	146	860716	114.767	ng	98
13) 1,4-Dichlorobenzene	6.898	146	1014991	133.473	ng	99
14) 1,2-Dichlorobenzene	7.045	146	561921	79.597	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	859620	90.848	ng	99
18) Hexachloroethane	7.387	117	287562	102.288	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	922263	178.119	ng	99
20) 3+4-Methylphenols	7.463	107	15994	2.287	ng	# 1
24) Nitrobenzene	7.463	77	1483250	175.578	ng	99
25) Isophorone	7.698	82	1900488	132.162	ng	99
26) 2-Nitrophenol	7.775	139	263319	70.242	ng	98
27) 2,4-Dimethylphenol	7.775	122	17956	3.741	ng	# 8
28) bis(2-Chloroethoxy)met...	7.904	93	1052408	119.355	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	904059	136.903	ng	99
35) Caprolactam	8.869	113	27548	13.974	ng	# 1
37) 2-Methylnaphthalene	8.869	142	1326111	96.437	ng	100
38) 1-Methylnaphthalene	8.869	142	1326111	98.481	ng	95
43) 2,4,6-Trichlorophenol	9.145	196	494298	114.397	ng	99
44) 2,4,5-Trichlorophenol	9.145	196	494298	104.633	ng	# 91
47) 2-Chloronaphthalene	9.357	162	924392	70.058	ng	99
49) Acenaphthylene	9.775	152	1679459	84.127	ng	99
50) Dimethylphthalate	9.628	163	1090706	70.281	ng	100
51) 2,6-Dinitrotoluene	9.628	165	12418	3.510	ng	# 1
52) Acenaphthene	9.945	154	956155	70.912	ng	99
53) 3-Nitroaniline	10.122	138	39644	10.670	ng	# 7
55) Dibenzofuran	10.122	168	2309277	120.981	ng	98
56) 4-Nitrophenol	10.022	139	226972	83.748	ng	99
58) Fluorene	10.469	166	1626805	107.884	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	256761	68.835	ng	98
62) 4-Nitroaniline	10.463	138	18789	4.946	ng	# 18
63) Azobenzene	10.628	77	122062	7.785	ng	# 1
67) 4-Bromophenyl-phenylether	10.945	248	446043	100.380	ng	97
68) Hexachlorobenzene	11.016	284	388838	77.774	ng	99
69) Atrazine	11.204	200	51965	13.373	ng	# 36

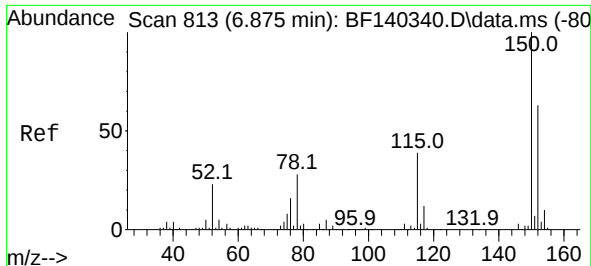
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140343.D
Acq On : 13 Nov 2024 15:25
Operator : RC/JU
Sample : P4495-11
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QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Pentachlorophenol	11.204	266	260213	96.621	ng	98
71) Phenanthrene	11.427	178	1288889	61.723	ng	99
72) Anthracene	11.480	178	1575371	76.977	ng	100
73) Carbazole	11.639	167	1931830	95.599	ng	99
74) Di-n-butylphthalate	11.963	149	2264149	93.353	ng	99
75) Fluoranthene	12.616	202	1117672	47.707	ng	100
78) Pyrene	12.616	202	1117655	52.475	ng	99
80) Butylbenzylphthalate	13.474	149	978772	119.626	ng	99
81) Benzo(a)anthracene	14.068	228	1045637	63.895	ng	100
83) Chrysene	14.068	228	1045637	70.028	ng	97
84) Bis(2-ethylhexyl)phtha...	14.051	149	634241	58.075	ng	99
87) Indeno(1,2,3-cd)pyrene	17.127	276	607196	44.028	ng #	93

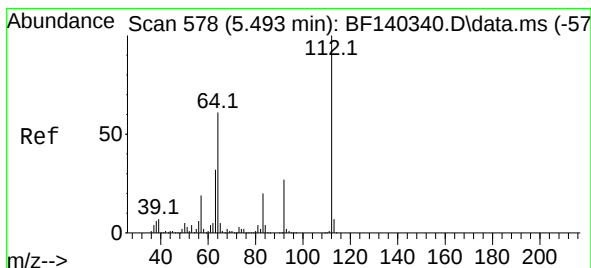
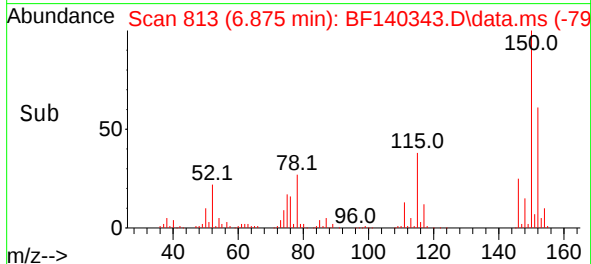
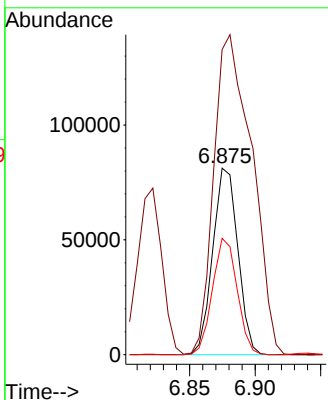
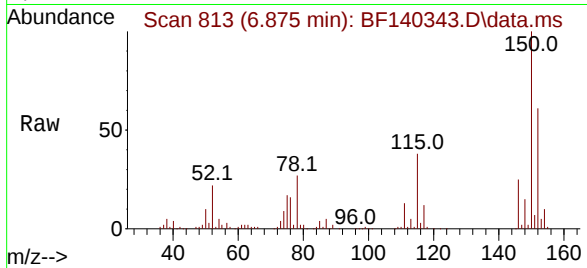
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

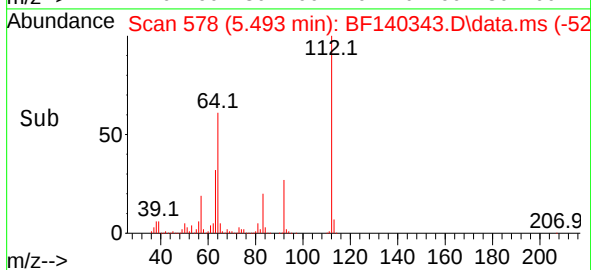
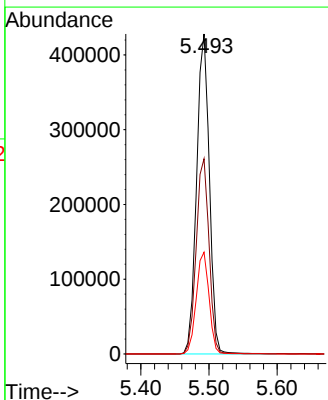
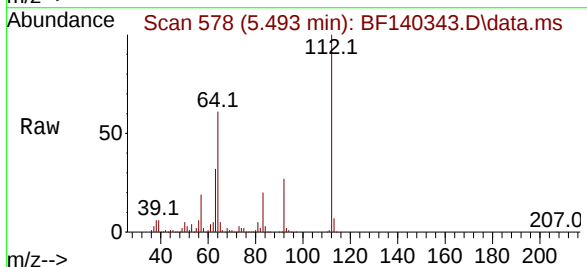
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

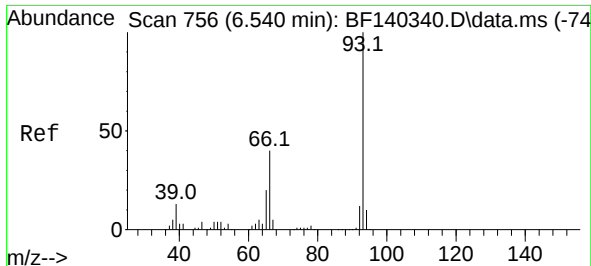
Tgt Ion:152 Resp: 108039
Ion Ratio Lower Upper
152 100
150 163.6 127.4 191.0
115 62.3 47.4 71.2



#5
2-Fluorophenol
Concen: 88.011 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion:112 Resp: 556914
Ion Ratio Lower Upper
112 100
64 61.0 49.2 73.8
63 31.8 25.6 38.4





#6

Aniline

Concen: 151.397 ng

RT: 6.610 min Scan# 7

Delta R.T. 0.071 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

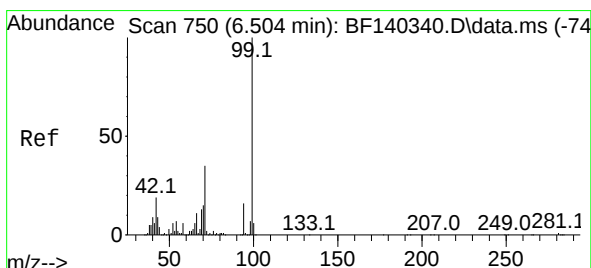
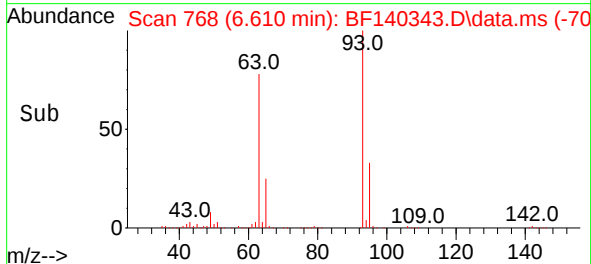
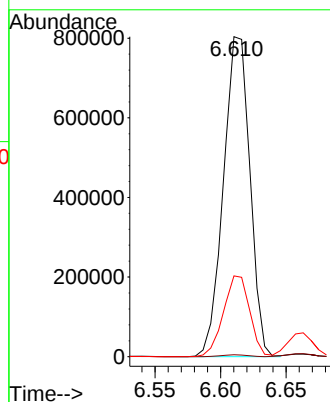
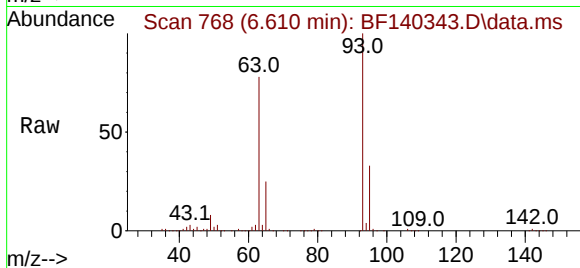
BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 93 Resp: 1129089

Ion	Ratio	Lower	Upper
93	100		
66	0.6	32.8	49.2#
65	25.3	16.6	25.0#



#7

Phenol-d6

Concen: 91.261 ng

RT: 6.504 min Scan# 750

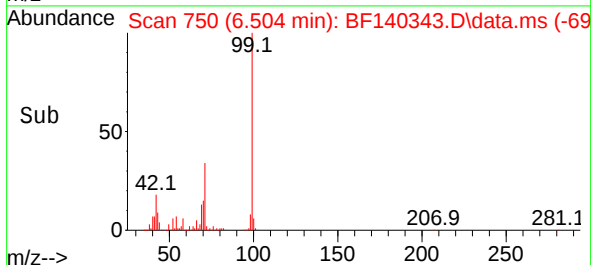
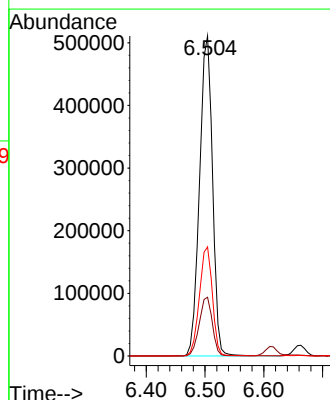
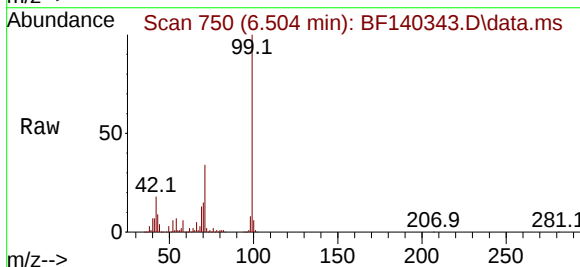
Delta R.T. -0.000 min

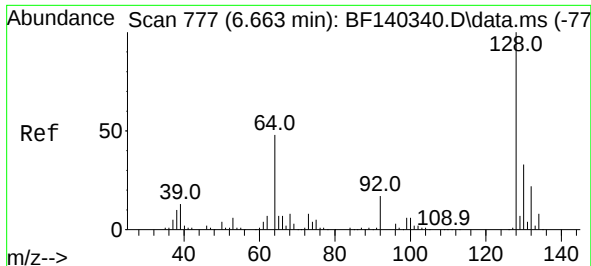
Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Tgt Ion: 99 Resp: 782386

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.1	22.7
71	34.1	27.9	41.9

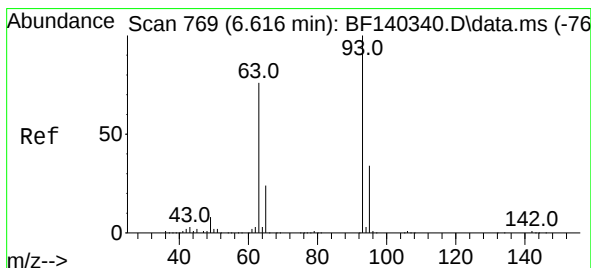
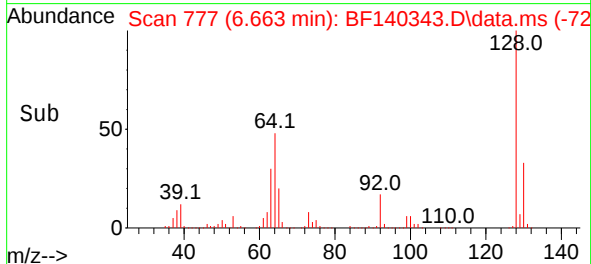
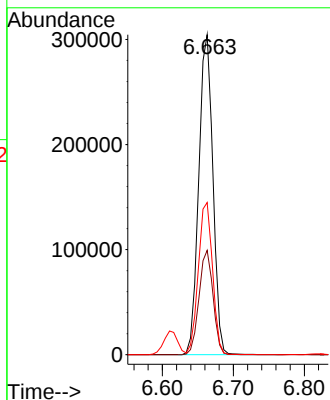
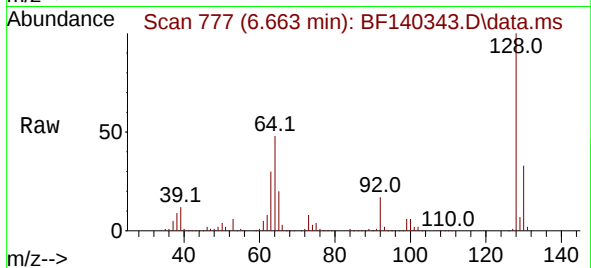




#8
2-Chlorophenol
Concen: 62.079 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

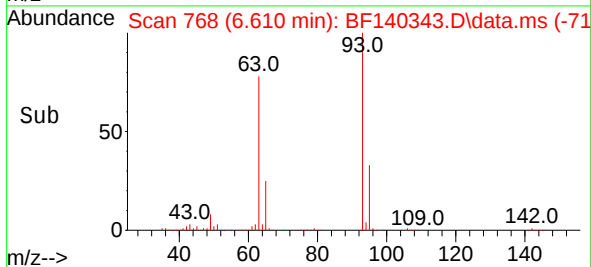
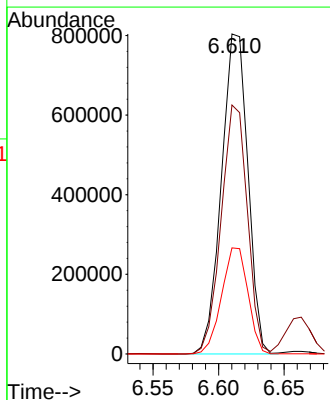
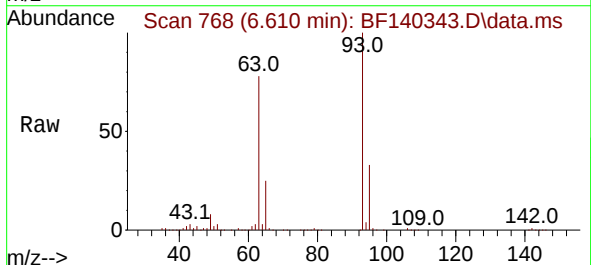
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

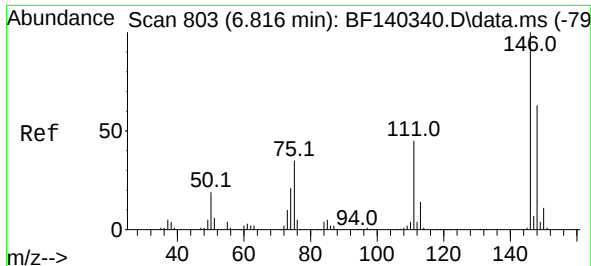
Tgt Ion:128 Resp: 421965
Ion Ratio Lower Upper
128 100
130 32.6 12.2 52.2
64 47.6 30.2 70.2



#11
bis(2-Chloroethyl)ether
Concen: 164.822 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion: 93 Resp: 1129089
Ion Ratio Lower Upper
93 100
63 77.8 54.0 94.0
95 33.1 12.9 52.9

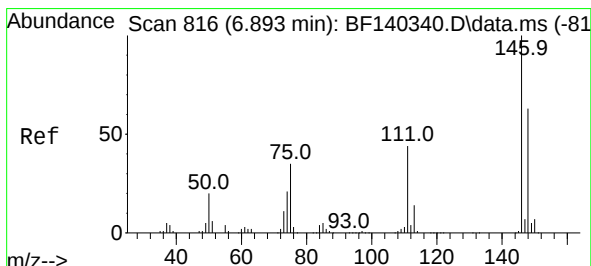
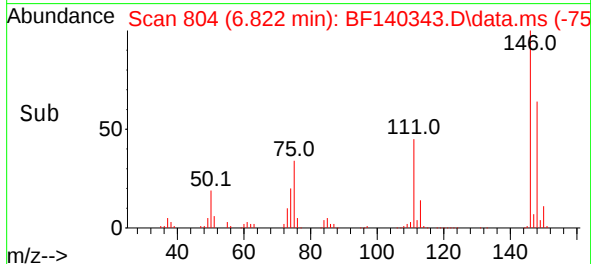
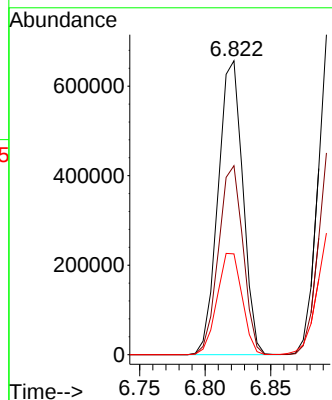
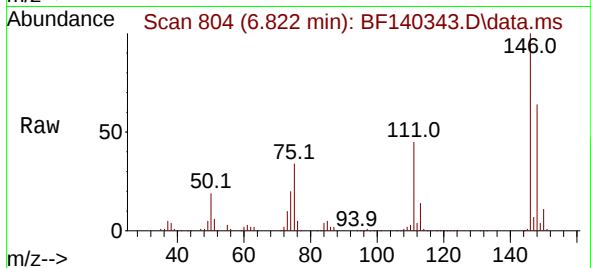




#12
1,3-Dichlorobenzene
Concen: 114.767 ng
RT: 6.822 min Scan# 803
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

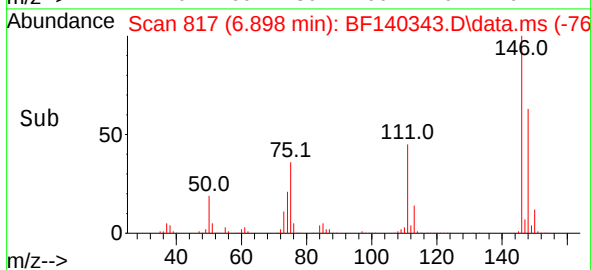
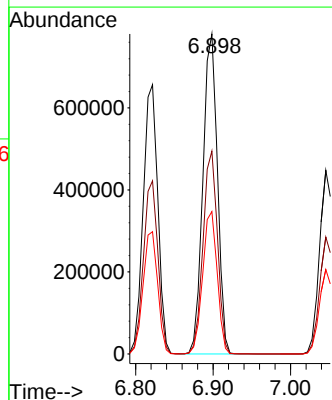
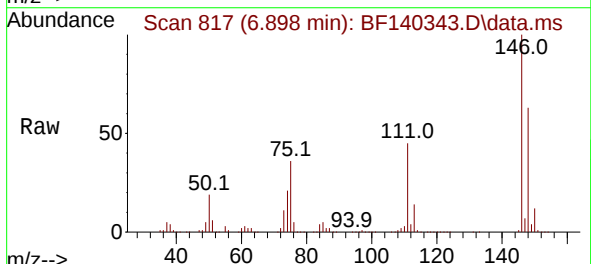
Instrument :
BNA_F
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PT-BNA-SOIL

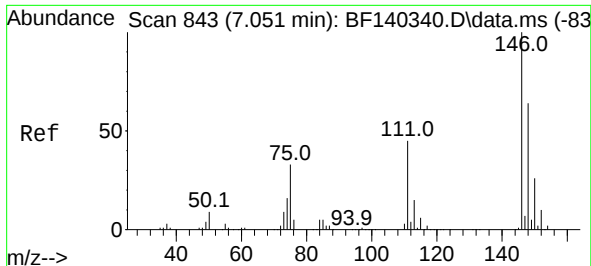
Tgt Ion:146 Resp: 860716
Ion Ratio Lower Upper
146 100
148 64.3 50.7 76.1
75 34.3 26.4 39.6



#13
1,4-Dichlorobenzene
Concen: 133.473 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion:146 Resp: 1014991
Ion Ratio Lower Upper
146 100
148 63.4 50.8 76.2
111 44.5 34.2 51.2





#14

1,2-Dichlorobenzene

Concen: 79.597 ng

RT: 7.045 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

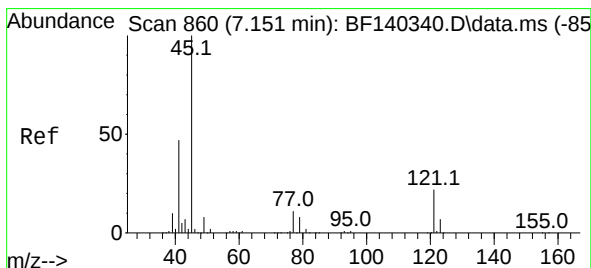
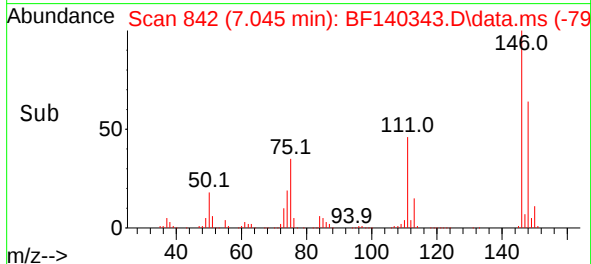
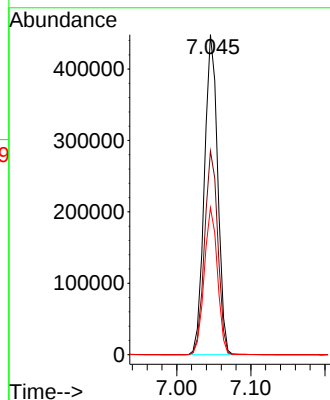
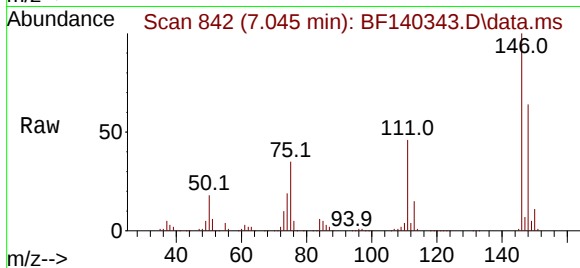
Tgt Ion:146 Resp: 561921

Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

111 45.9 36.5 54.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 90.848 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

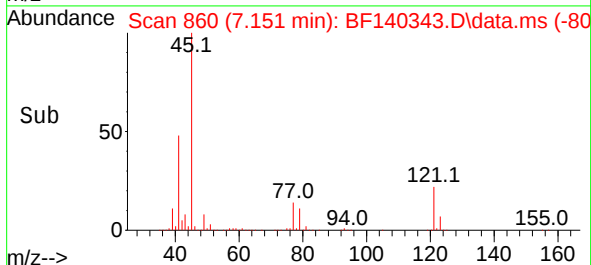
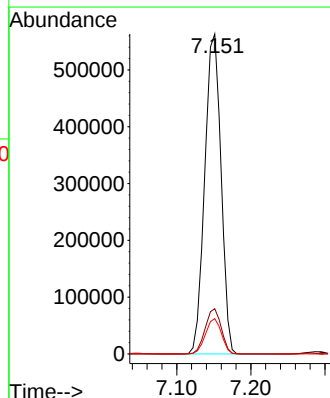
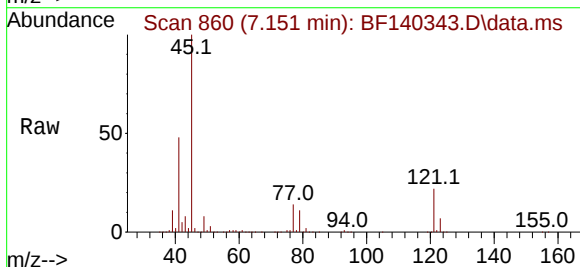
Tgt Ion: 45 Resp: 859620

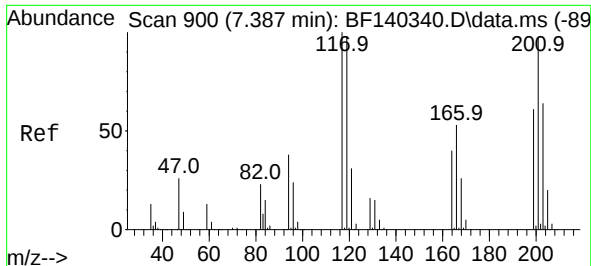
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.8

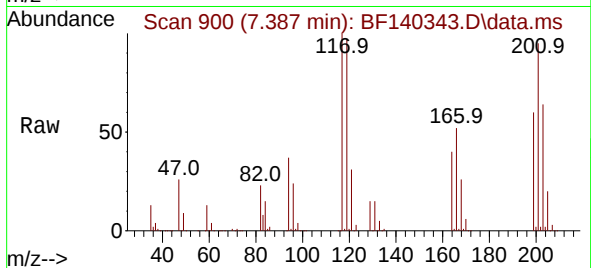
79 11.1 0.0 31.4



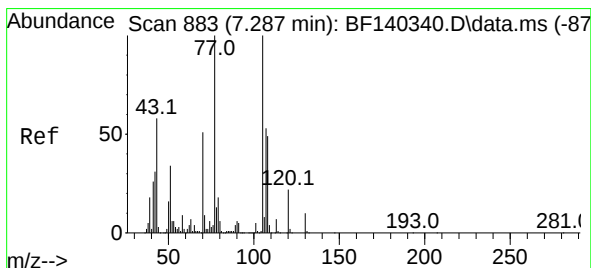
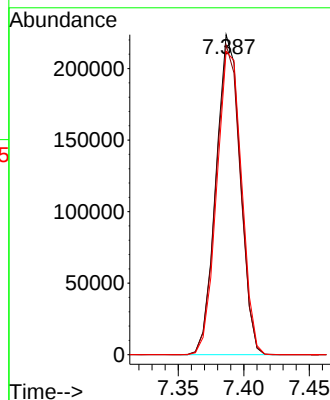
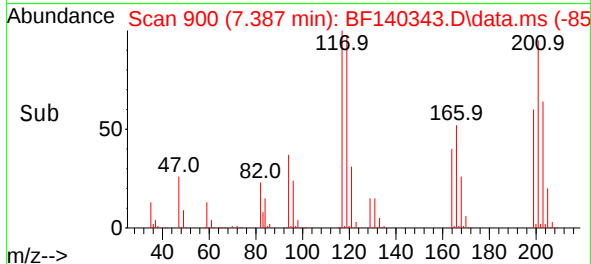


#18
Hexachloroethane
Concen: 102.288 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

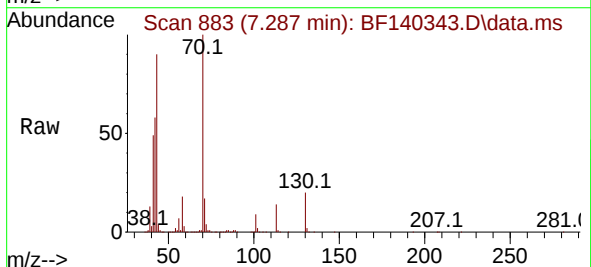
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL



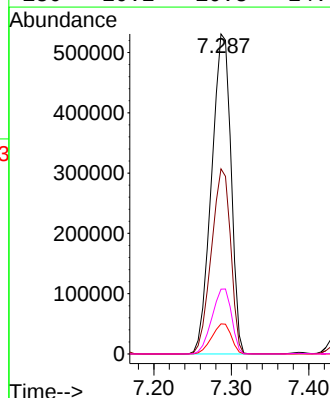
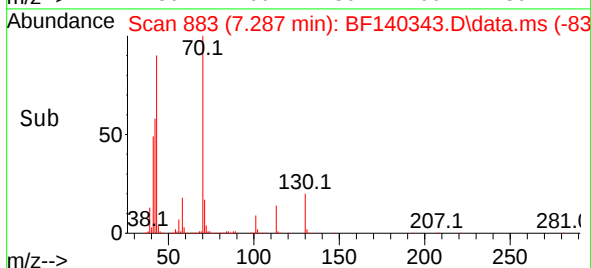
Tgt Ion:117 Resp: 287562
Ion Ratio Lower Upper
117 100
119 96.8 76.9 115.3
201 94.7 80.2 120.4

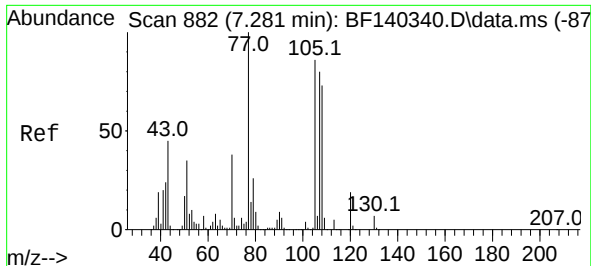


#19
n-Nitroso-di-n-propylamine
Concen: 178.119 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25



Tgt Ion: 70 Resp: 922263
Ion Ratio Lower Upper
70 100
42 57.8 46.8 70.2
101 9.4 7.5 11.3
130 20.2 16.3 24.5





#20

3+4-Methylphenols

Concen: 2.287 ng

RT: 7.463 min Scan# 91

Delta R.T. 0.182 min

Lab File: BF140343.D

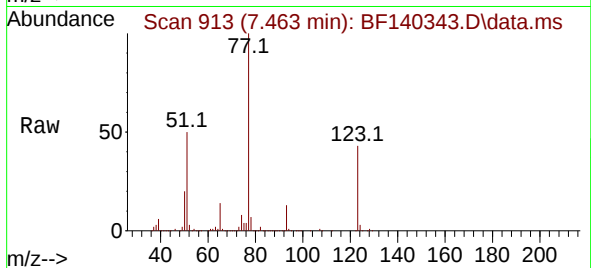
Acq: 13 Nov 2024 15:25

Instrument :

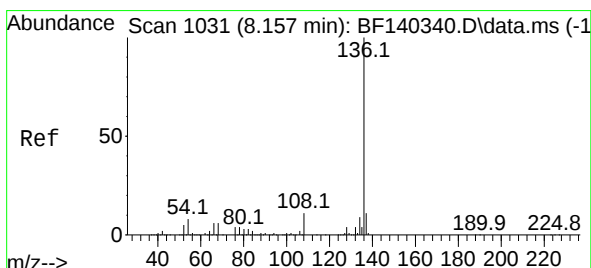
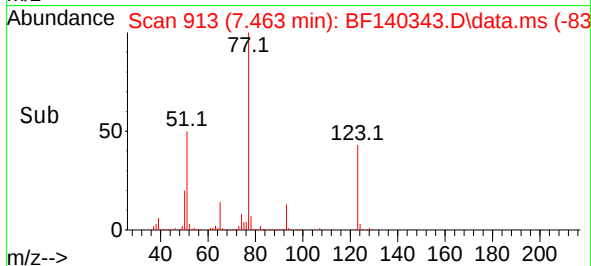
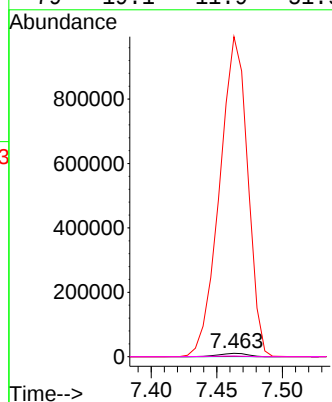
BNA_F

ClientSampleId :

PT-BNA-SOIL



Tgt Ion:	107	Resp:	15994
Ion	Ratio	Lower	Upper
107	100		
108	7.6	71.4	111.4#
77	9276.3	97.0	137.0#
79	19.1	11.9	51.9



#21

Naphthalene-d8

Concen: 20.000 ng

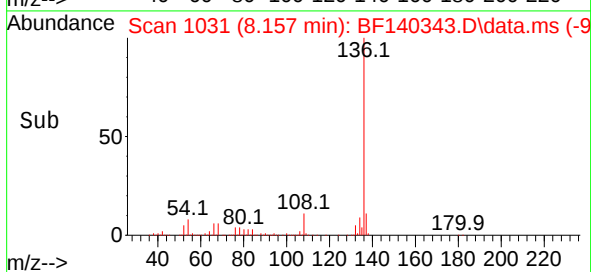
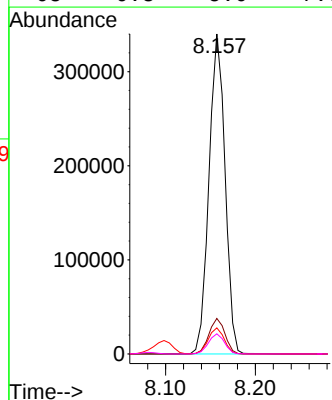
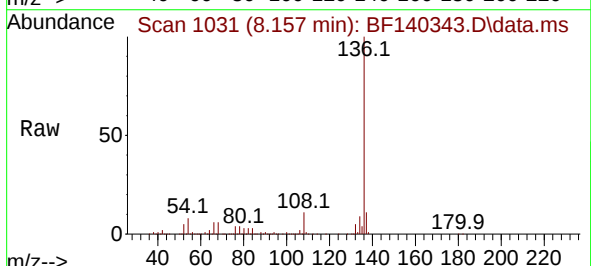
RT: 8.157 min Scan# 1031

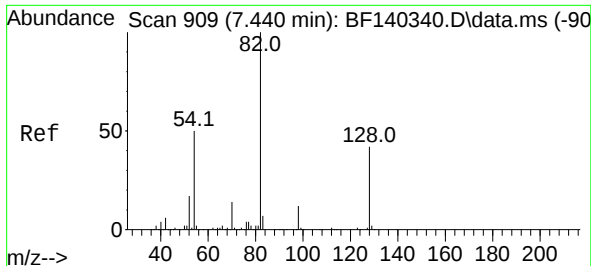
Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Tgt Ion:	136	Resp:	422748
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.2	6.5	9.7
68	6.3	5.0	7.6





#23

Nitrobenzene-d5

Concen: 64.183 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

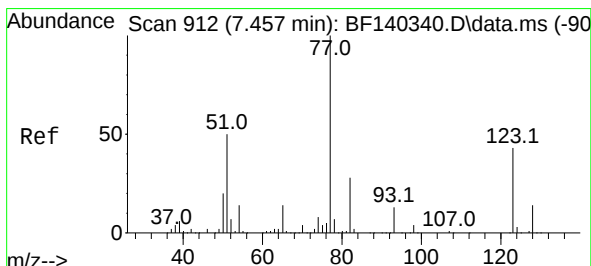
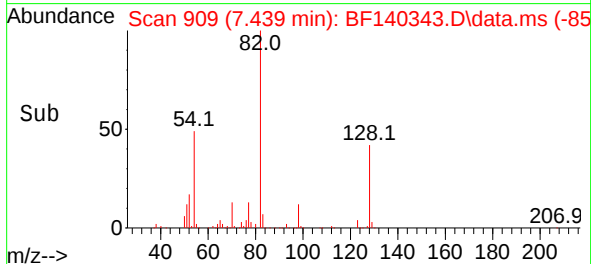
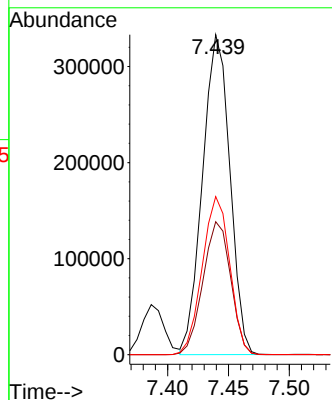
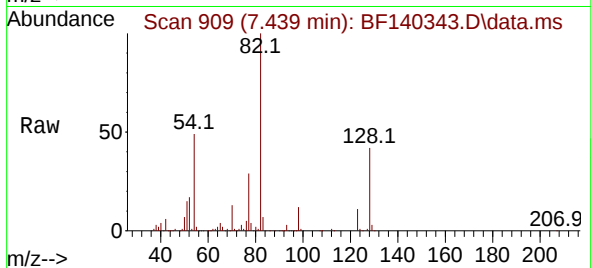
Tgt Ion: 82 Resp: 520767

Ion Ratio Lower Upper

82 100

128 41.5 33.3 49.9

54 49.4 39.8 59.8



#24

Nitrobenzene

Concen: 175.578 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

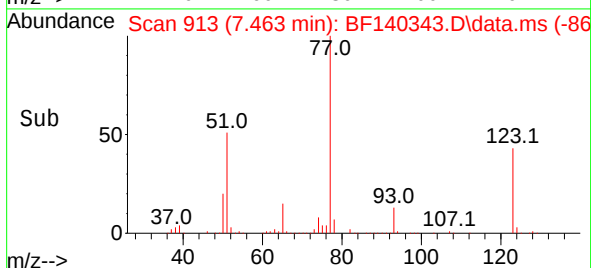
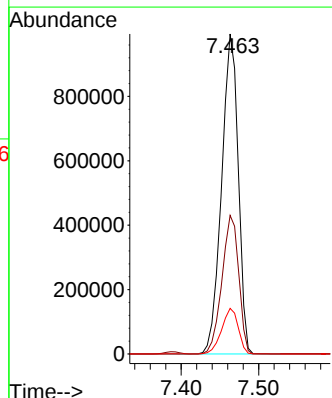
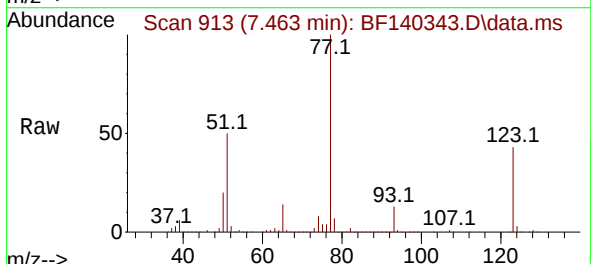
Tgt Ion: 77 Resp: 1483250

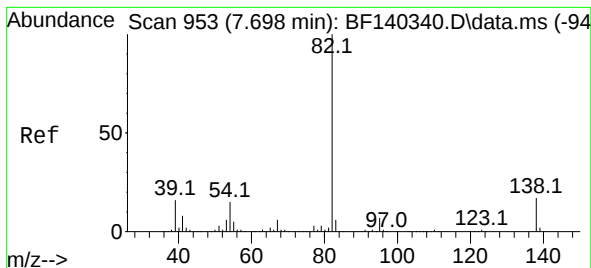
Ion Ratio Lower Upper

77 100

123 43.3 35.4 53.0

65 14.3 11.1 16.7





#25

Isophorone

Concen: 132.162 ng

RT: 7.698 min Scan# 953

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

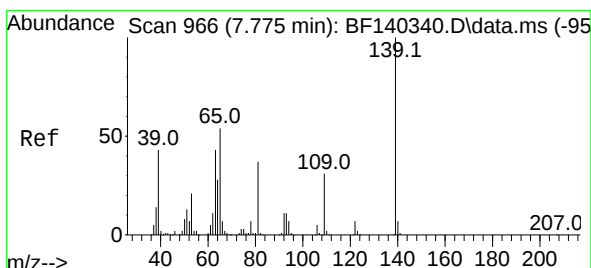
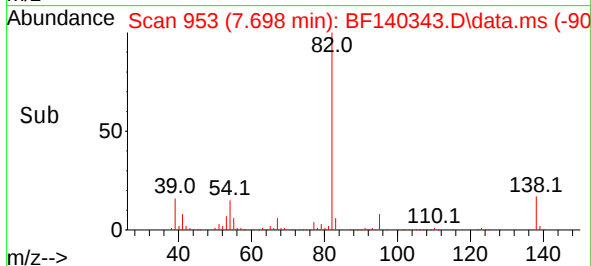
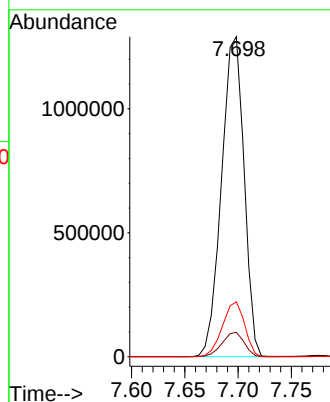
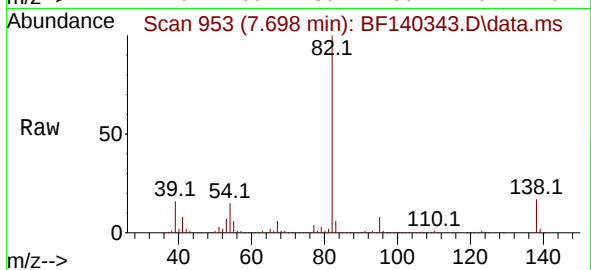
Tgt Ion: 82 Resp: 1900488

Ion Ratio Lower Upper

82 100

95 7.6 5.9 8.9

138 17.1 13.4 20.2



#26

2-Nitrophenol

Concen: 70.242 ng

RT: 7.775 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

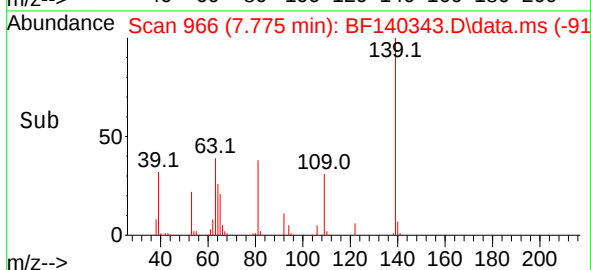
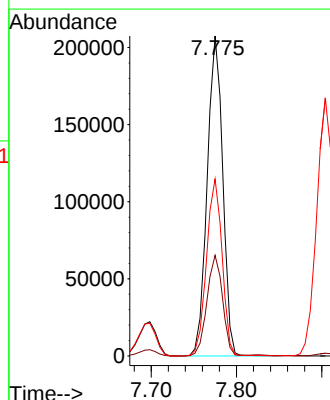
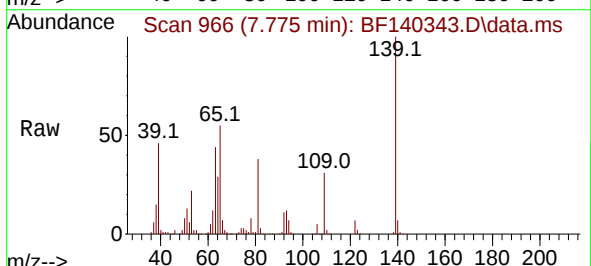
Tgt Ion:139 Resp: 263319

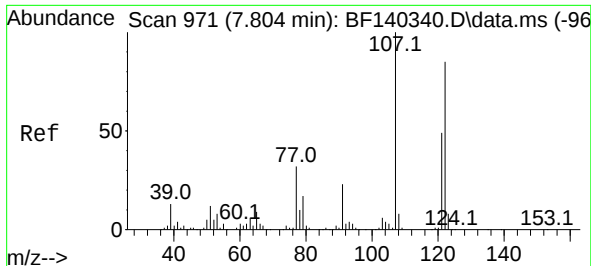
Ion Ratio Lower Upper

139 100

109 31.4 24.4 36.6

65 55.3 42.8 64.2

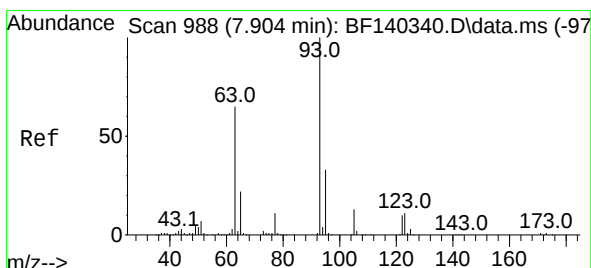
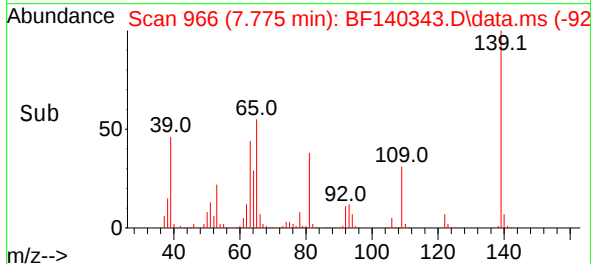
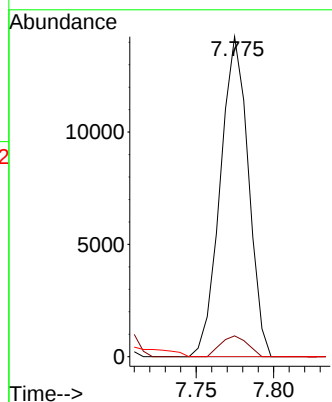
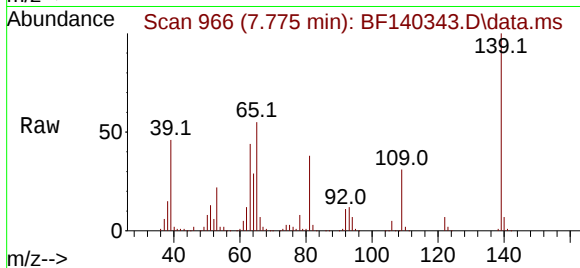




#27
2,4-Dimethylphenol
Concen: 3.741 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.035 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

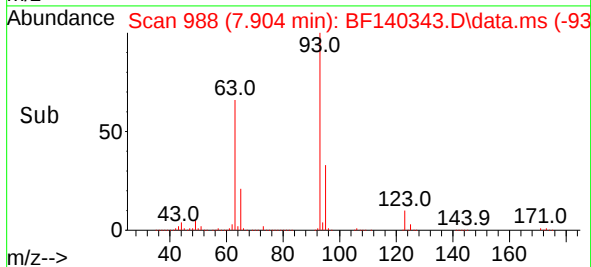
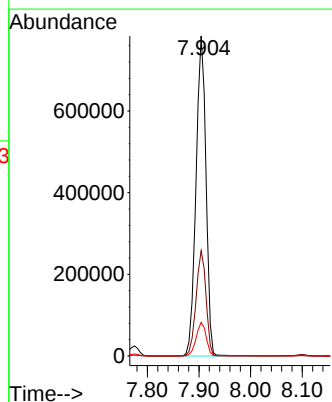
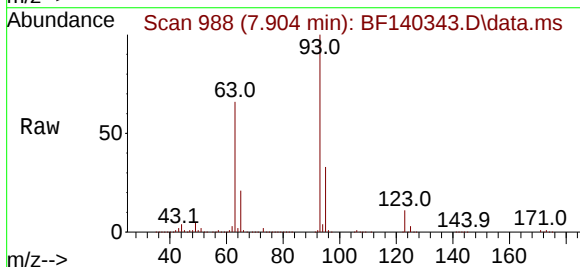
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

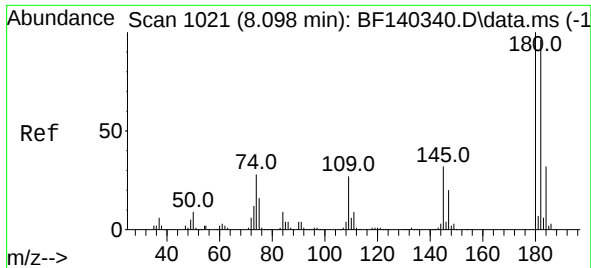
Tgt Ion:122 Resp: 17956
Ion Ratio Lower Upper
122 100
107 6.5 91.3 136.9#
121 0.0 45.5 68.3#



#28
bis(2-Chloroethoxy)methane
Concen: 119.355 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion: 93 Resp: 1052408
Ion Ratio Lower Upper
93 100
95 32.9 25.9 38.9
123 10.5 9.2 13.8





#30

1,2,4-Trichlorobenzene

Concen: 136.903 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140343.D

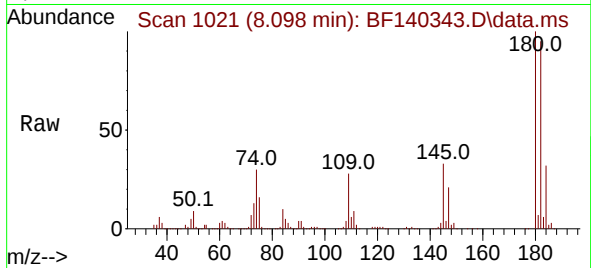
Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL



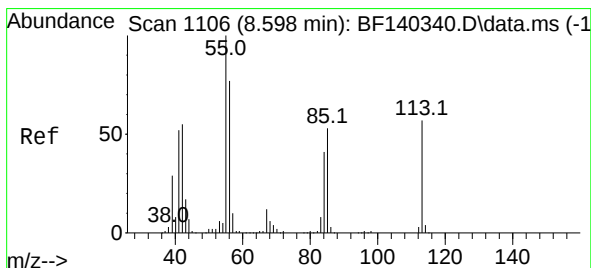
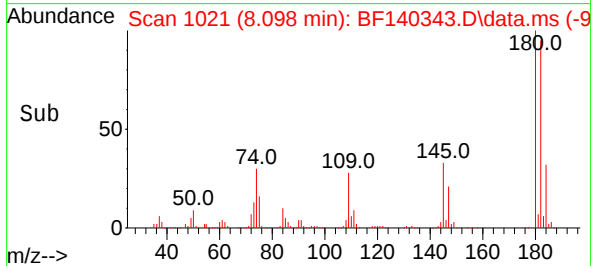
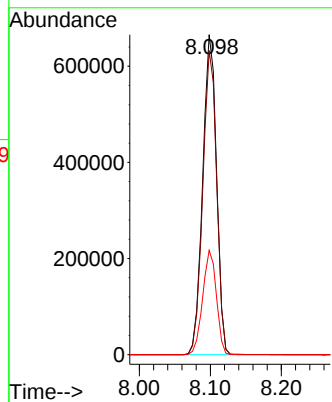
Tgt Ion:180 Resp: 904059

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 32.6 25.3 37.9



#35

Caprolactam

Concen: 13.974 ng

RT: 8.869 min Scan# 1152

Delta R.T. 0.271 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

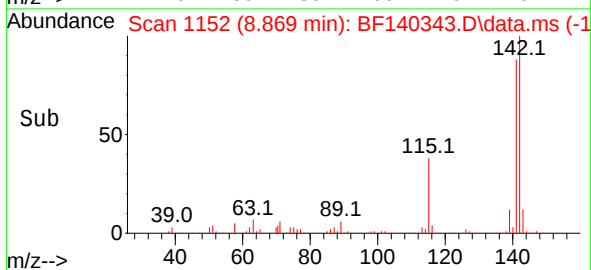
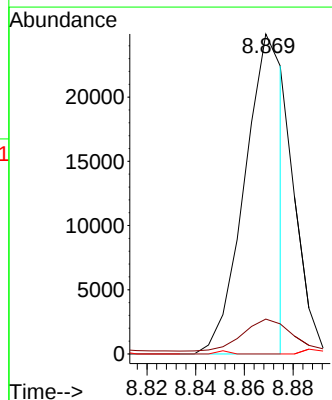
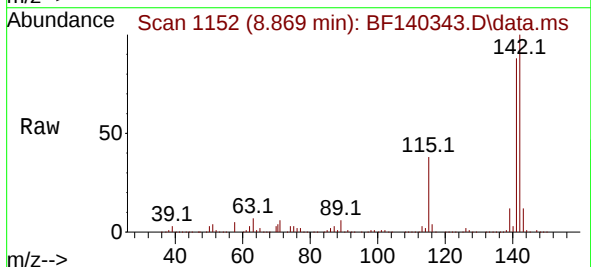
Tgt Ion:113 Resp: 27548

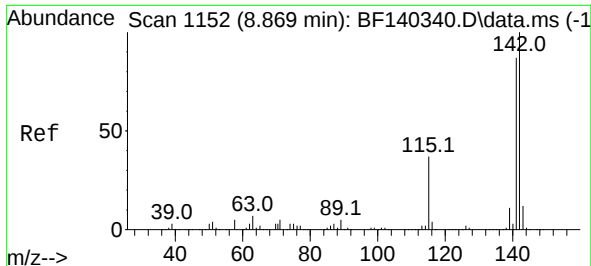
Ion Ratio Lower Upper

113 100

55 10.9 150.0 190.0#

56 0.0 111.1 151.1#





#37

2-Methylnaphthalene

Concen: 96.437 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

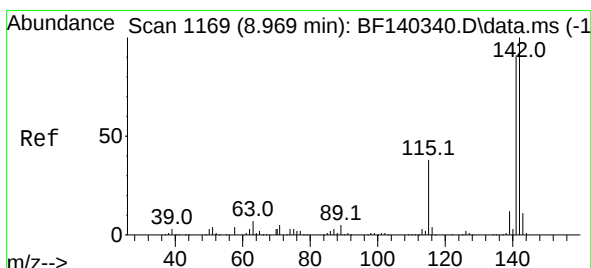
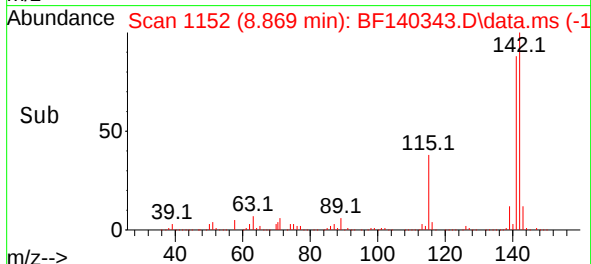
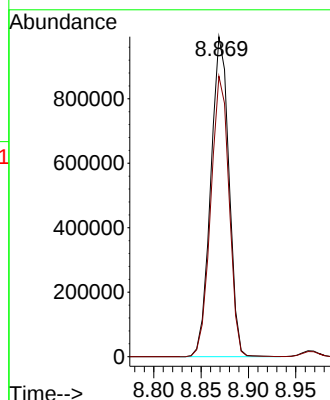
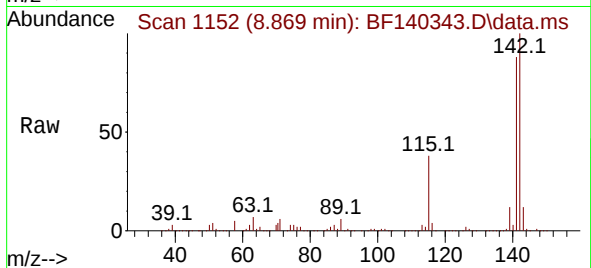
PT-BNA-SOIL

Tgt Ion:142 Resp: 1326111

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6



#38

1-Methylnaphthalene

Concen: 98.481 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.100 min

Lab File: BF140343.D

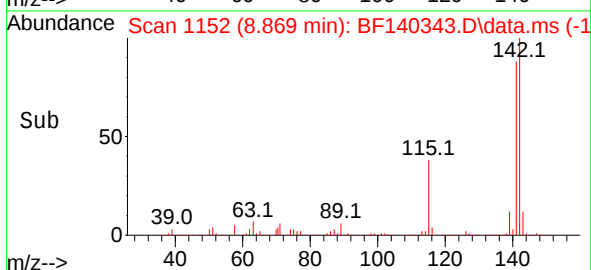
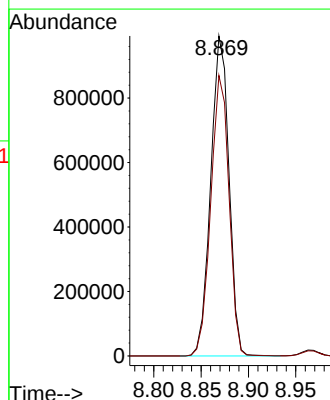
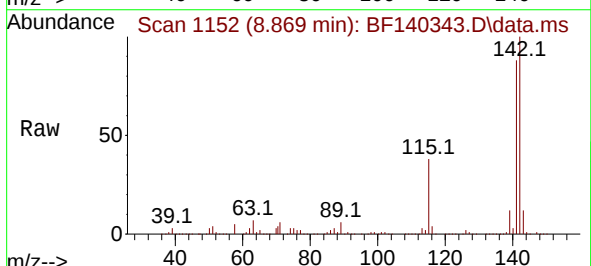
Acq: 13 Nov 2024 15:25

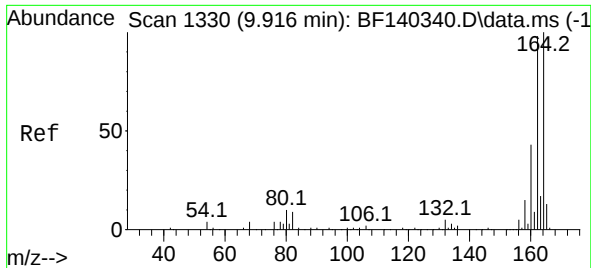
Tgt Ion:142 Resp: 1326111

Ion Ratio Lower Upper

142 100

141 87.6 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

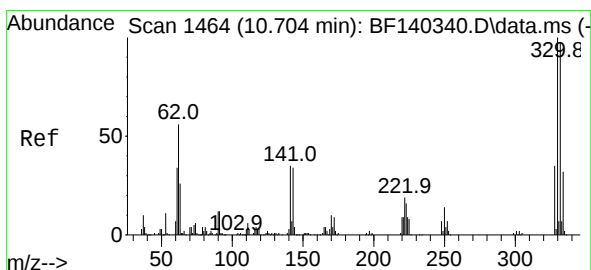
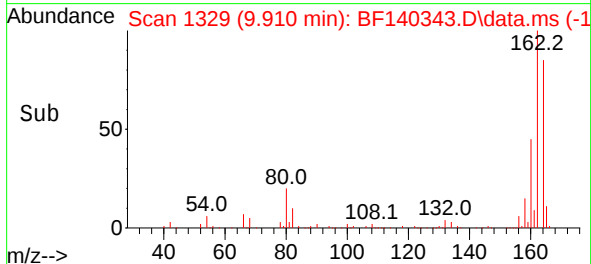
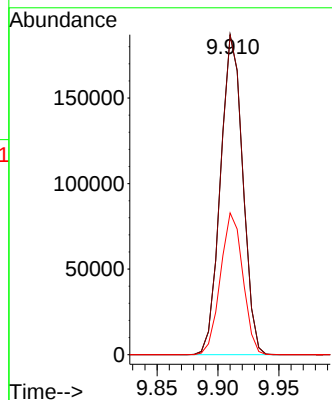
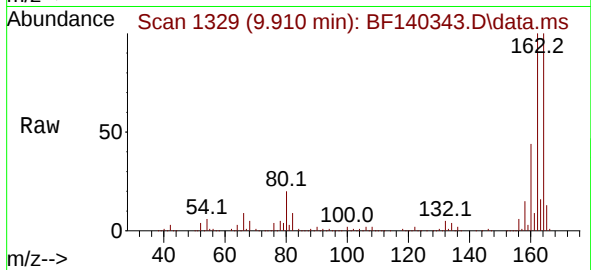
Tgt Ion:164 Resp: 238094

Ion Ratio Lower Upper

164 100

162 99.8 79.8 119.8

160 44.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 99.161 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

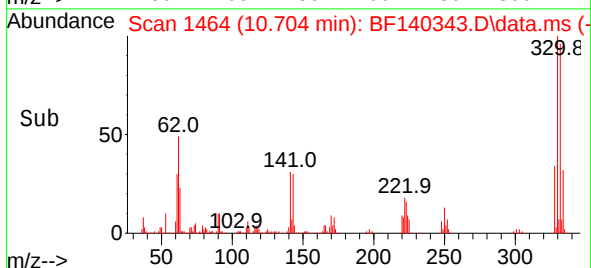
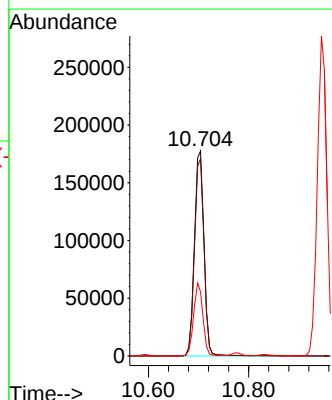
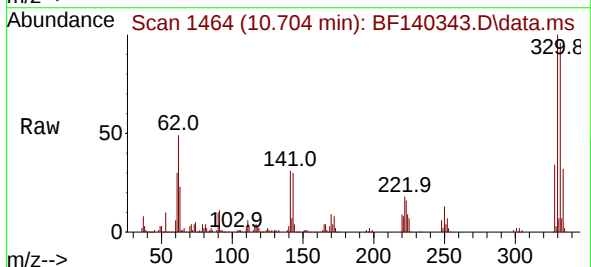
Tgt Ion:330 Resp: 234780

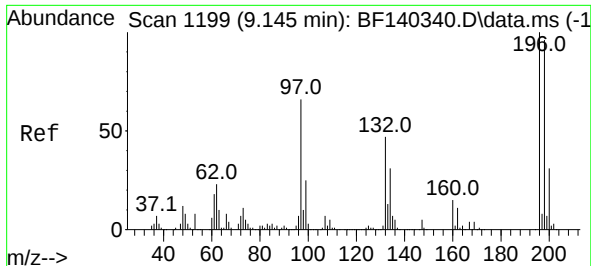
Ion Ratio Lower Upper

330 100

332 96.0 75.9 113.9

141 34.5 26.9 40.3





#43

2,4,6-Trichlorophenol

Concen: 114.397 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

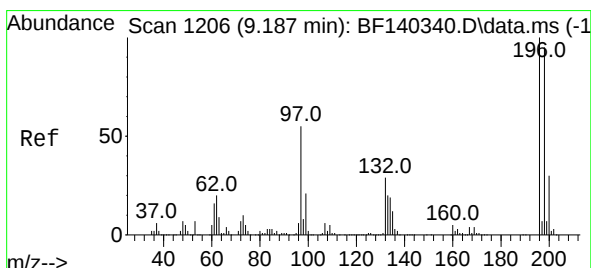
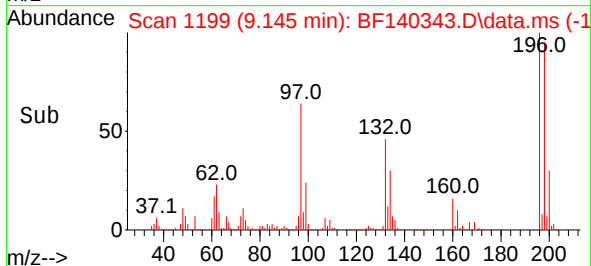
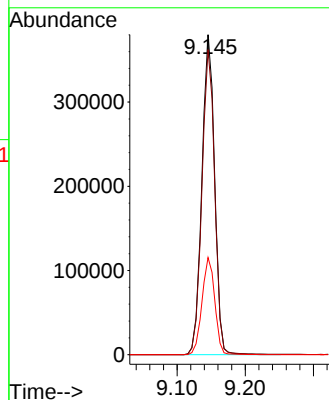
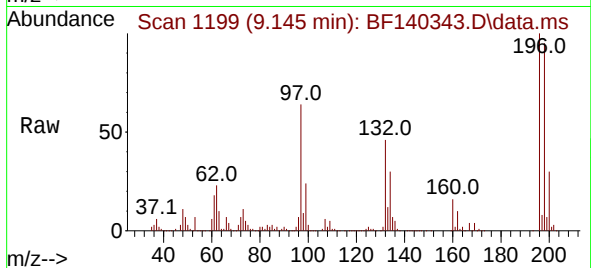
Tgt Ion:196 Resp: 494298

Ion Ratio Lower Upper

196 100

198 95.4 77.0 115.4

200 30.3 24.2 36.4



#44

2,4,5-Trichlorophenol

Concen: 104.633 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.041 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Tgt Ion:196 Resp: 494298

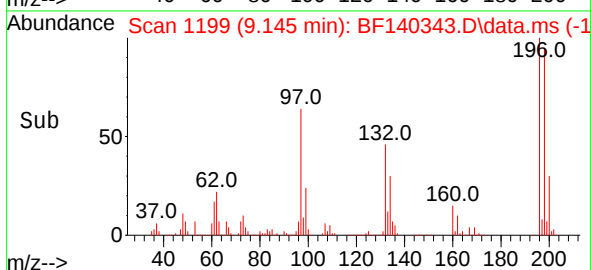
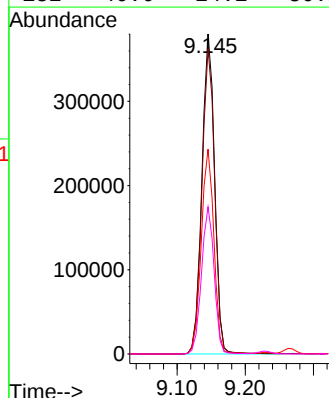
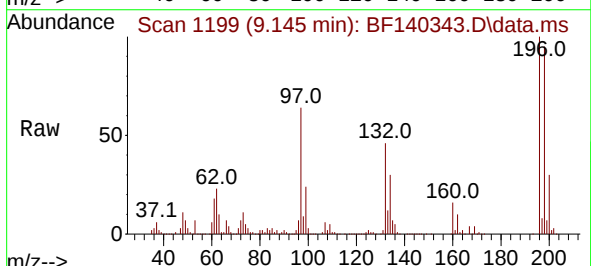
Ion Ratio Lower Upper

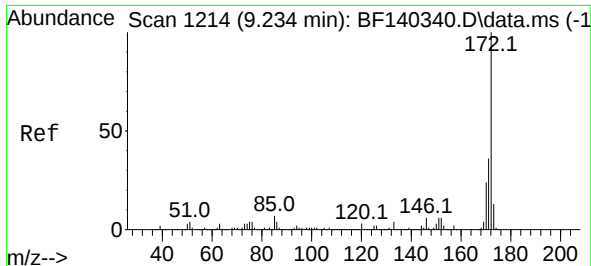
196 100

198 95.4 77.6 116.4

97 64.0 45.4 68.2

132 46.0 24.2 36.2#





#45

2-Fluorobiphenyl

Concen: 65.296 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

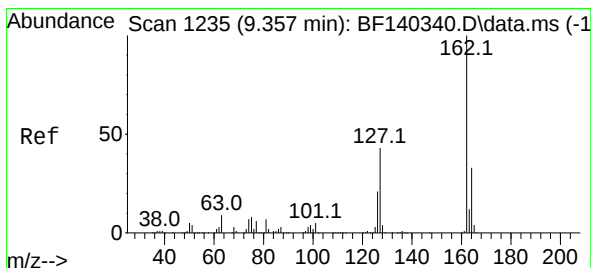
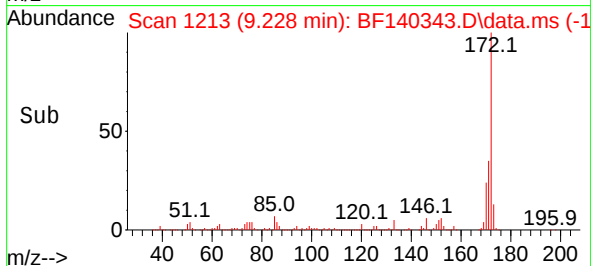
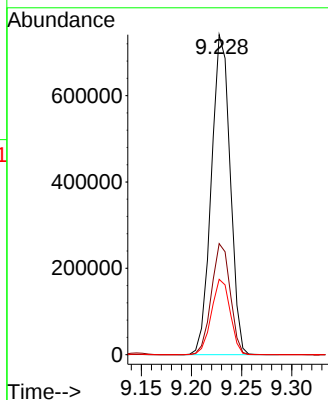
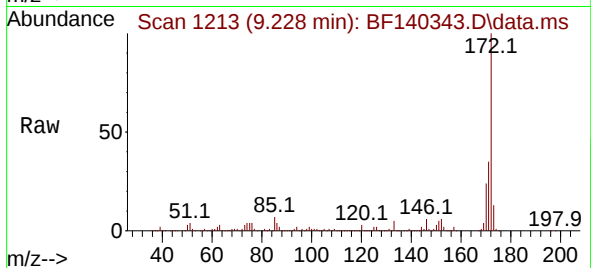
Tgt Ion:172 Resp: 967105

Ion Ratio Lower Upper

172 100

171 34.7 28.5 42.7

170 23.6 19.1 28.7



#47

2-Chloronaphthalene

Concen: 70.058 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

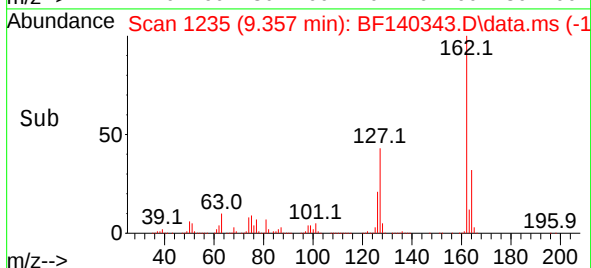
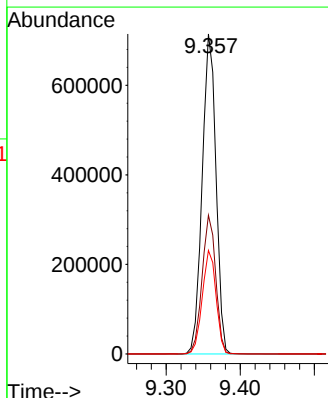
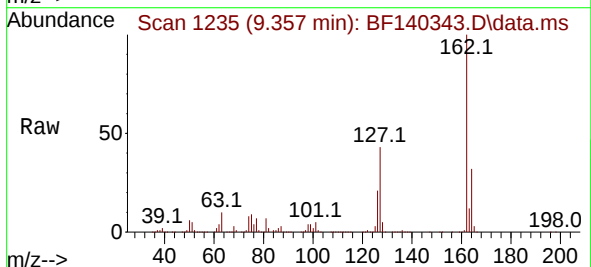
Tgt Ion:162 Resp: 924392

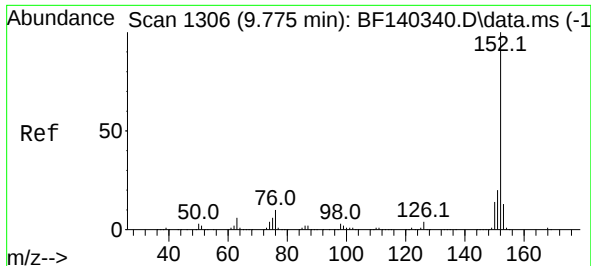
Ion Ratio Lower Upper

162 100

127 43.4 34.0 51.0

164 32.4 26.5 39.7





#49

Acenaphthylene

Concen: 84.127 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

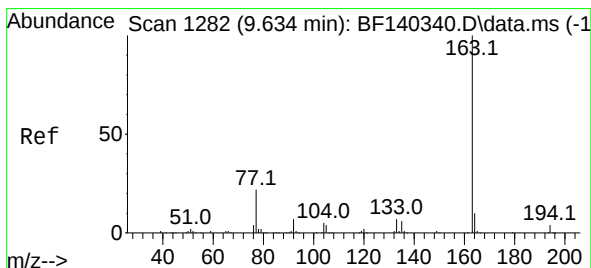
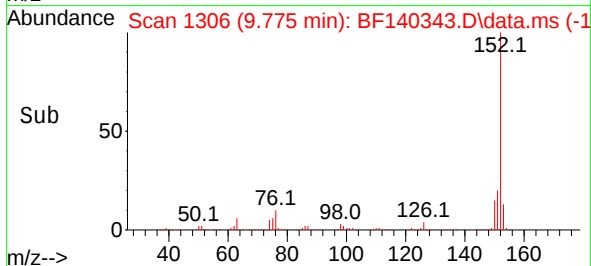
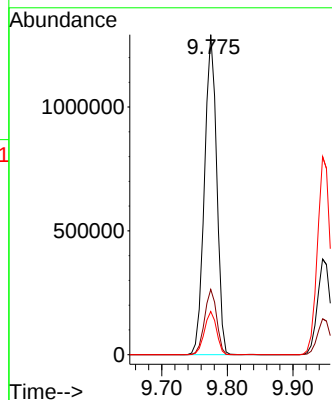
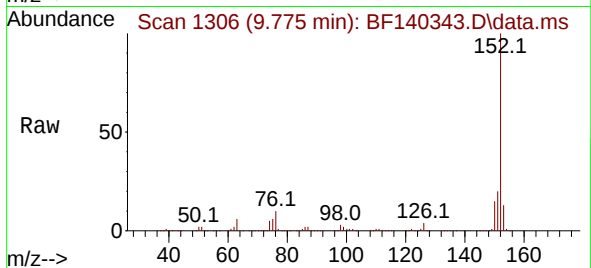
Tgt Ion:152 Resp: 1679459

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 13.5 10.7 16.1



#50

Dimethylphthalate

Concen: 70.281 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

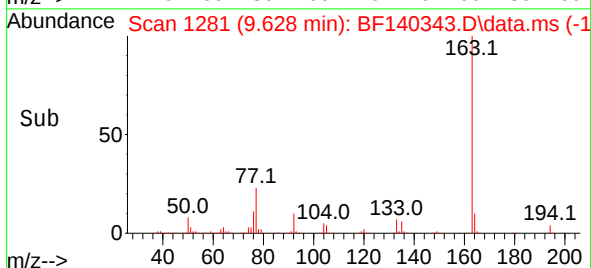
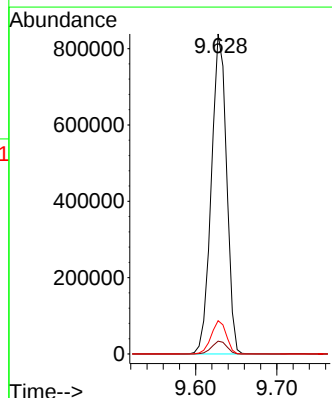
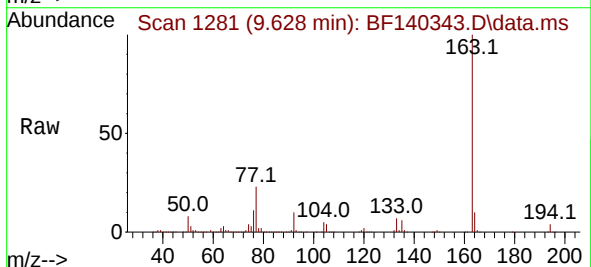
Tgt Ion:163 Resp: 1090706

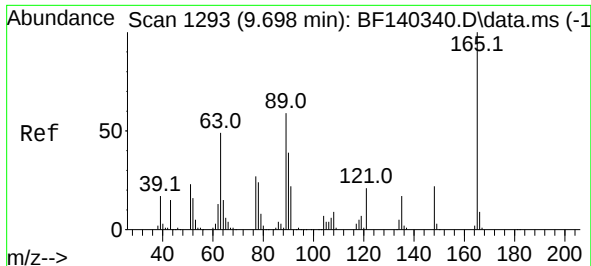
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 10.4 8.2 12.4

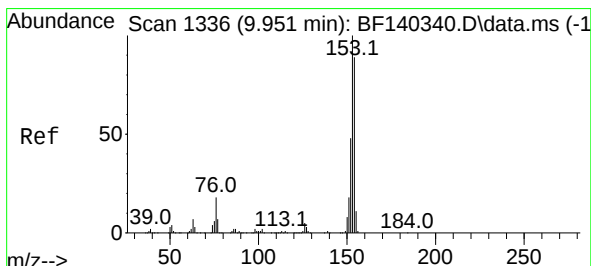
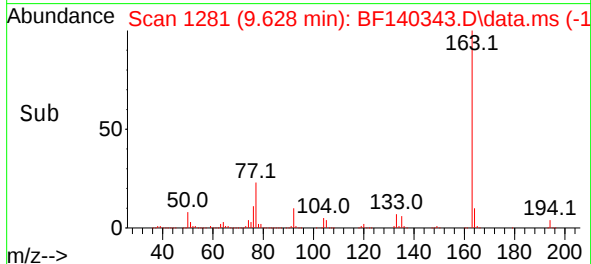
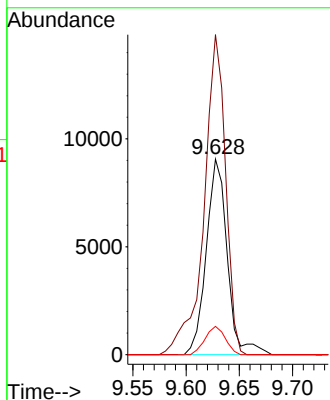
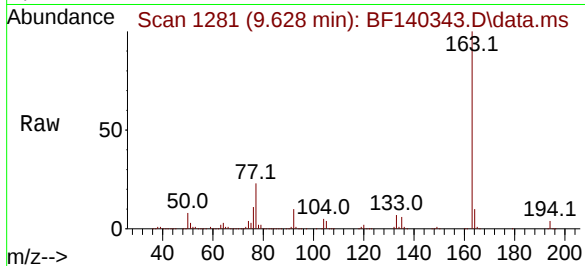




#51
2,6-Dinitrotoluene
Concen: 3.510 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.071 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

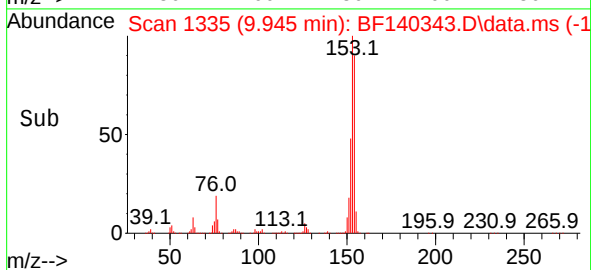
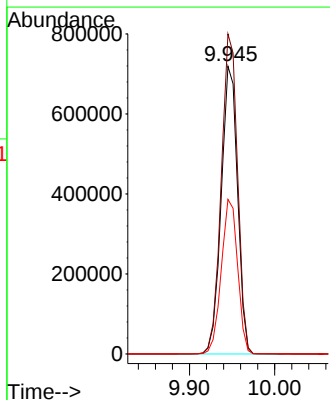
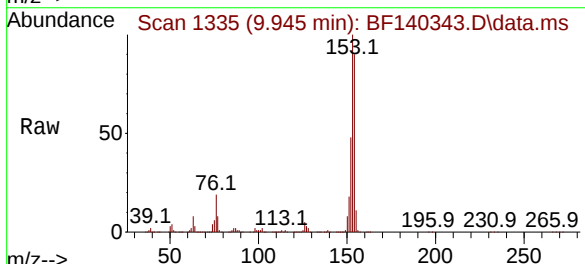
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

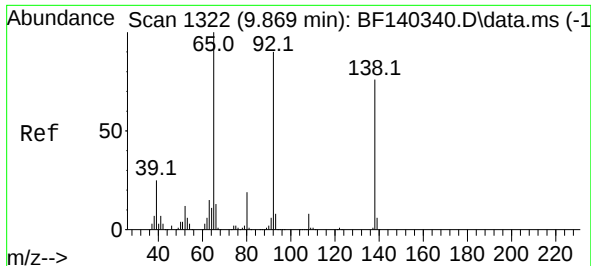
Tgt Ion:165 Resp: 12418
Ion Ratio Lower Upper
165 100
63 163.7 47.6 71.4#
89 14.5 48.1 72.1#



#52
Acenaphthene
Concen: 70.912 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion:154 Resp: 956155
Ion Ratio Lower Upper
154 100
153 111.3 89.8 134.8
152 53.8 42.6 64.0





#53

3-Nitroaniline

Concen: 10.670 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.253 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

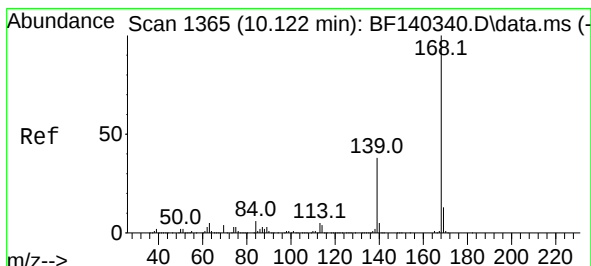
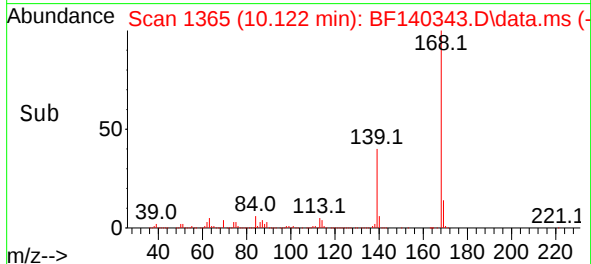
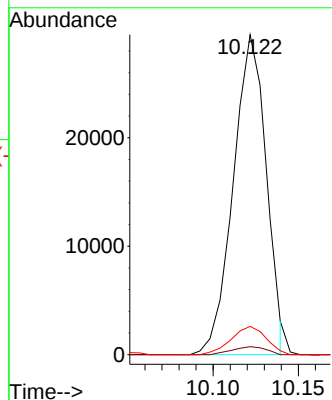
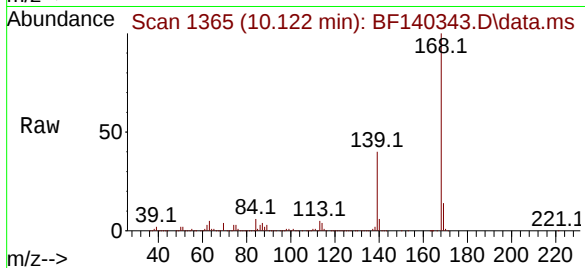
Tgt Ion:138 Resp: 39644

Ion Ratio Lower Upper

138 100

108 2.5 8.4 12.6#

92 8.9 95.5 143.3#



#55

Dibenzofuran

Concen: 120.981 ng

RT: 10.122 min Scan# 1365

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

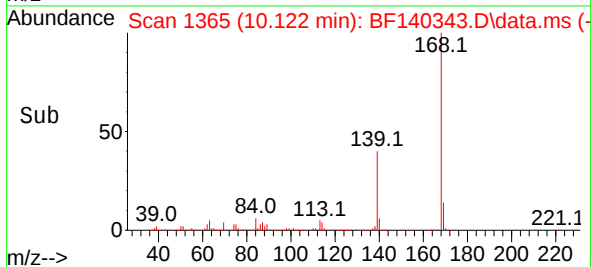
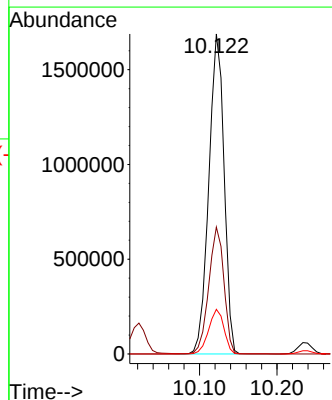
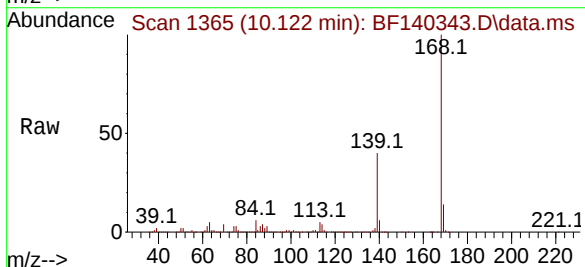
Tgt Ion:168 Resp: 2309277

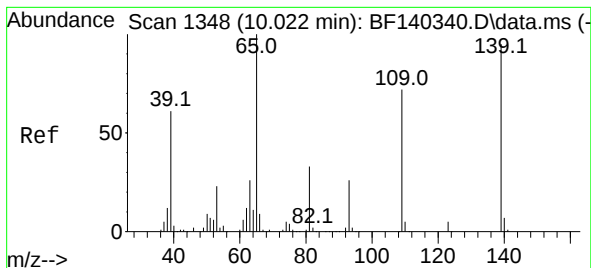
Ion Ratio Lower Upper

168 100

139 39.6 30.8 46.2

169 14.0 10.8 16.2

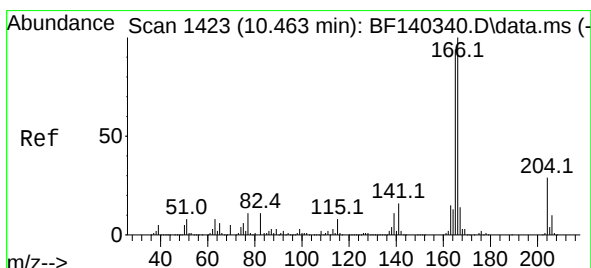
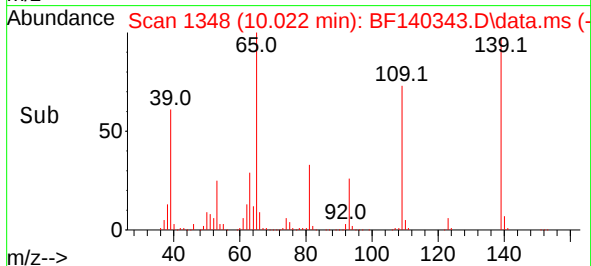
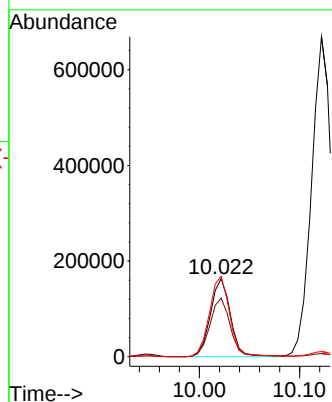
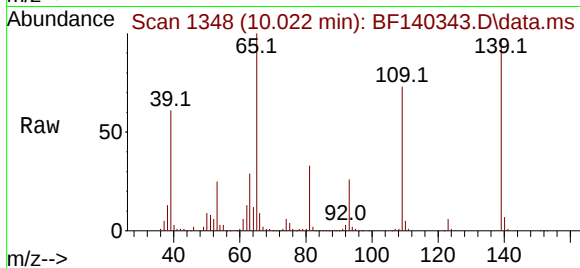




#56
4-Nitrophenol
Concen: 83.748 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

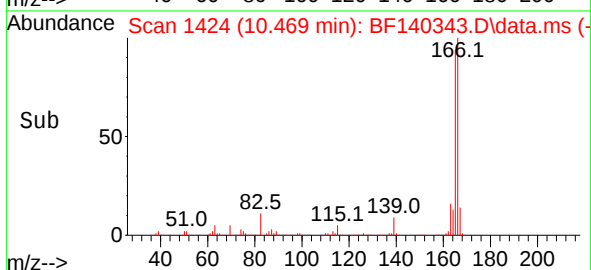
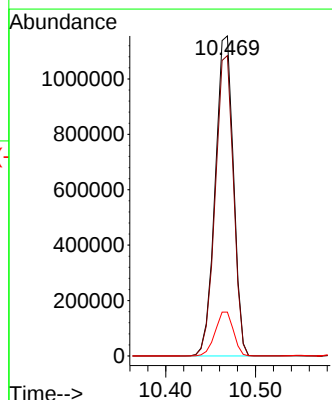
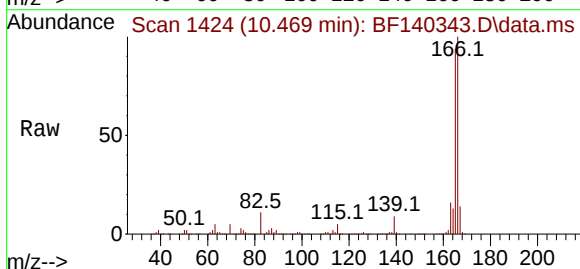
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

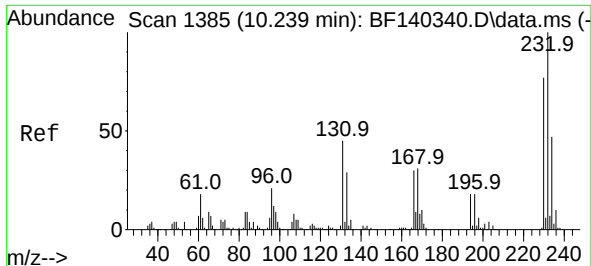
Tgt Ion:139 Resp: 226972
Ion Ratio Lower Upper
139 100
109 75.1 54.5 94.5
65 103.1 84.4 124.4



#58
Fluorene
Concen: 107.884 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion:166 Resp: 1626805
Ion Ratio Lower Upper
166 100
165 93.8 73.9 110.9
167 13.7 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 68.835 ng

RT: 10.239 min Scan# 1423

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:232 Resp: 256761

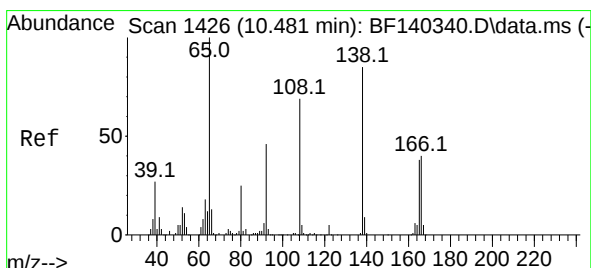
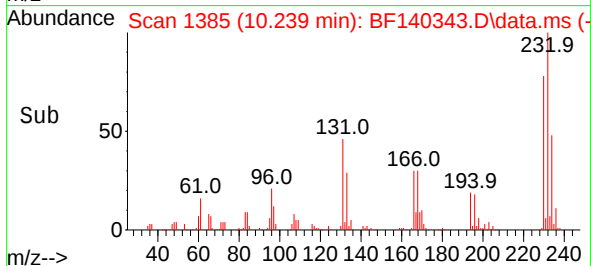
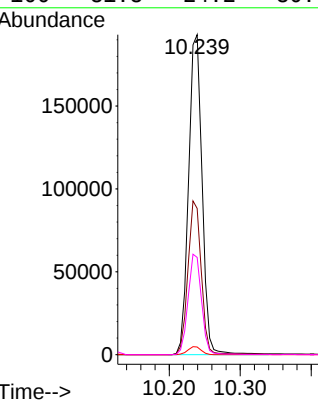
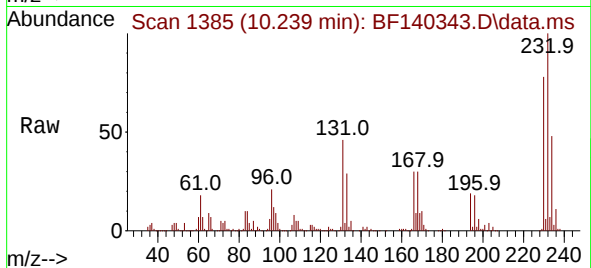
Ion Ratio Lower Upper

232 100

131 47.7 36.8 55.2

130 2.5 1.9 2.9

166 31.3 24.2 36.4



#62

4-Nitroaniline

Concen: 4.946 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.018 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

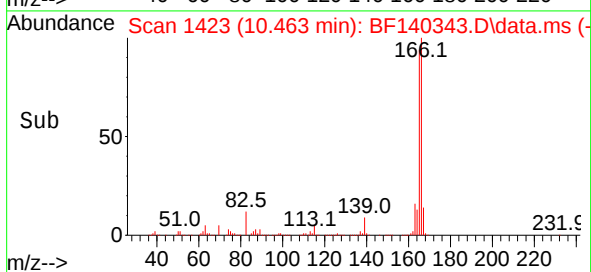
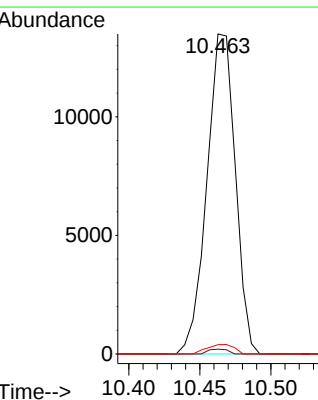
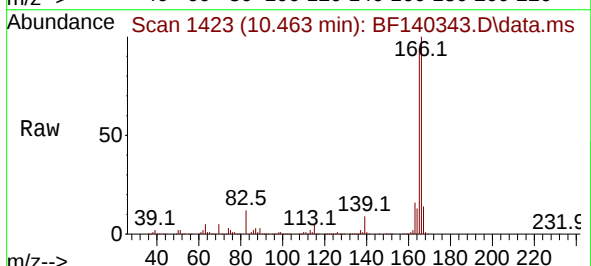
Tgt Ion:138 Resp: 18789

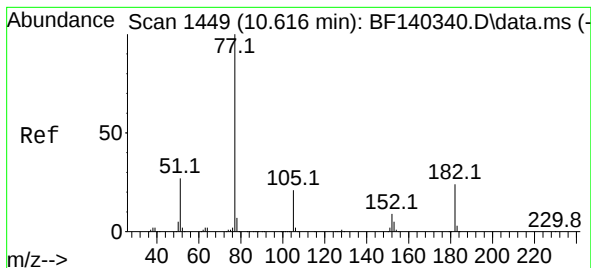
Ion Ratio Lower Upper

138 100

92 1.5 33.8 73.8#

108 2.9 59.9 99.9#





#63

Azobenzene

Concen: 7.785 ng

RT: 10.628 min Scan# 1449

Delta R.T. 0.012 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion: 77 Resp: 122062

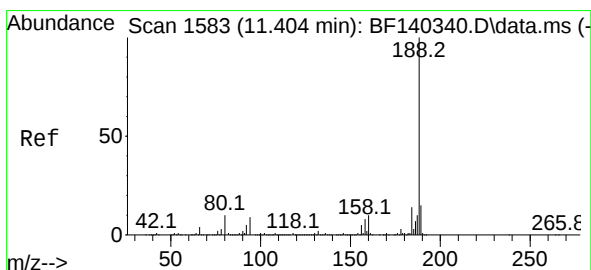
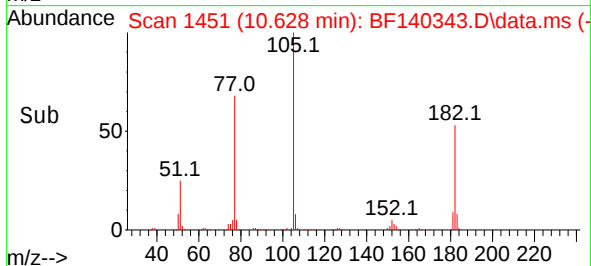
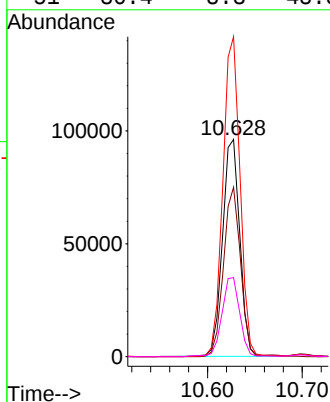
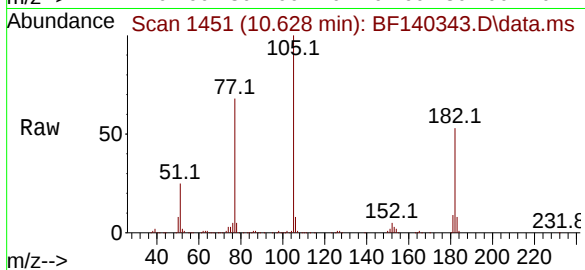
Ion Ratio Lower Upper

77 100

182 78.0 4.6 44.6#

105 147.3 0.9 40.9#

51 36.4 8.3 48.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

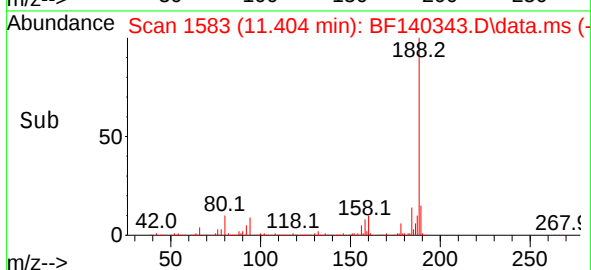
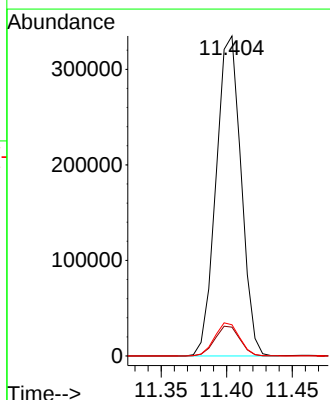
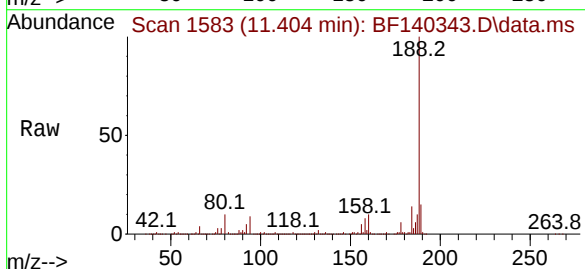
Tgt Ion: 188 Resp: 444526

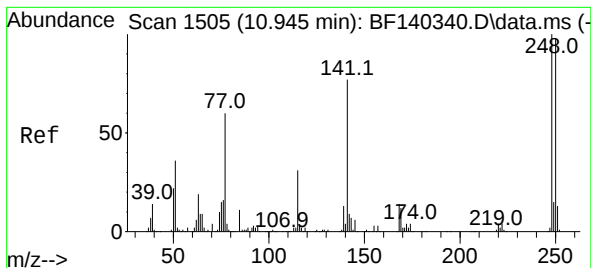
Ion Ratio Lower Upper

188 100

94 9.0 7.6 11.4

80 9.7 8.0 12.0

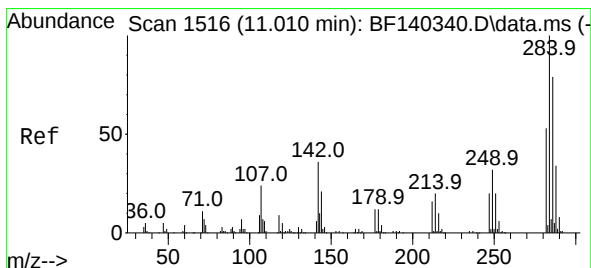
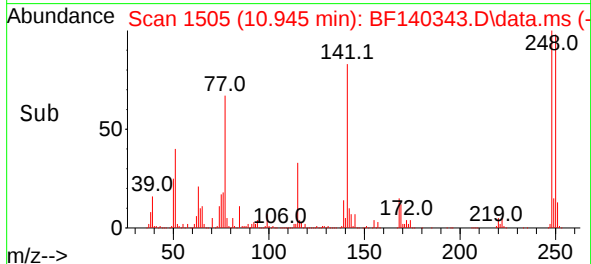
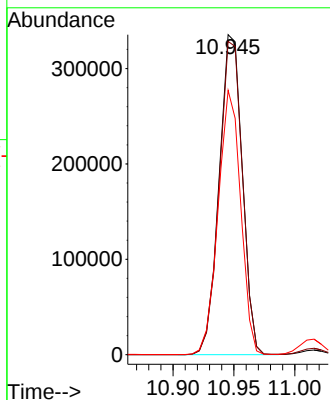
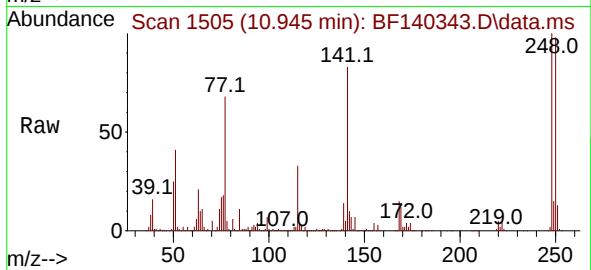




#67
4-Bromophenyl-phenylether
Concen: 100.380 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

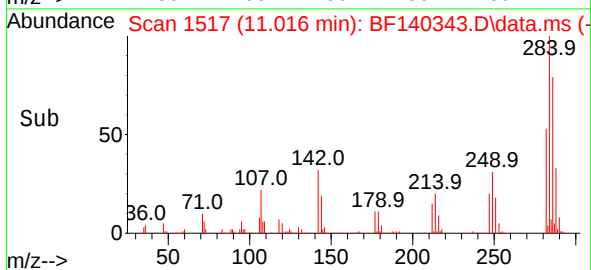
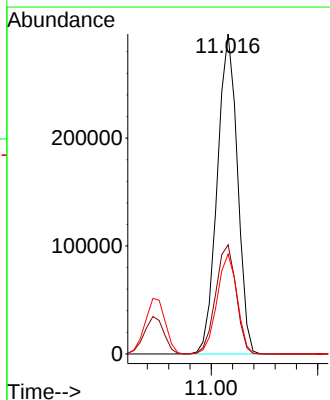
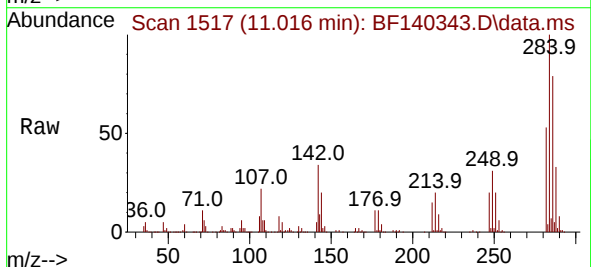
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

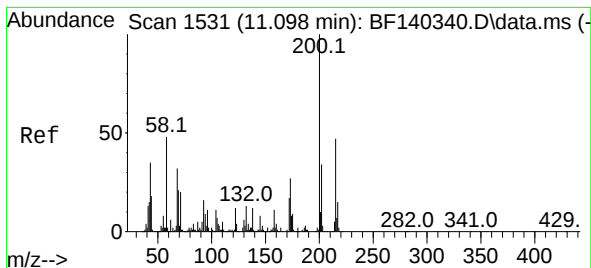
Tgt Ion:248 Resp: 446043
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 82.6 61.8 92.6



#68
Hexachlorobenzene
Concen: 77.774 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF140343.D
Acq: 13 Nov 2024 15:25

Tgt Ion:284 Resp: 388838
Ion Ratio Lower Upper
284 100
142 34.1 28.1 42.1
249 31.2 24.9 37.3





#69

Atrazine

Concen: 13.373 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.106 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

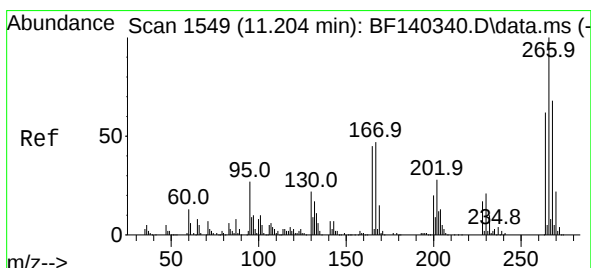
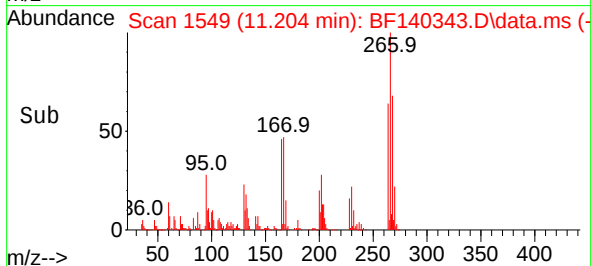
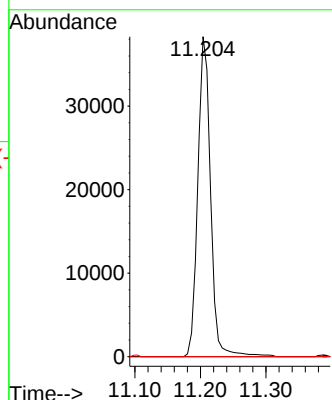
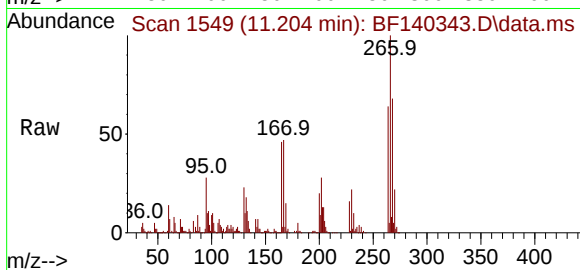
Tgt Ion:200 Resp: 51965

Ion Ratio Lower Upper

200 100

173 0.0 6.6 46.6#

215 0.0 27.2 67.2#



#70

Pentachlorophenol

Concen: 96.621 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

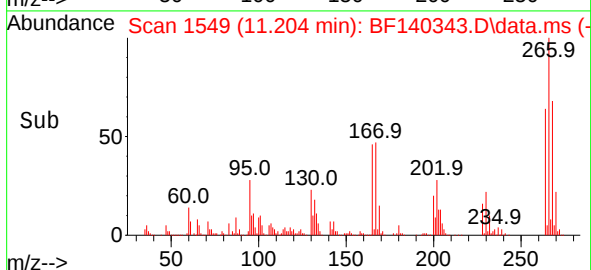
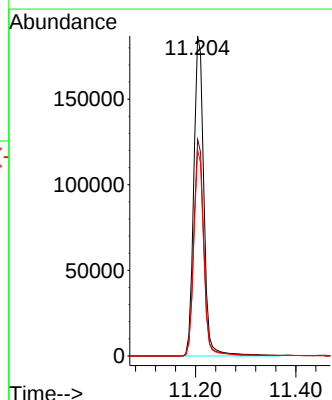
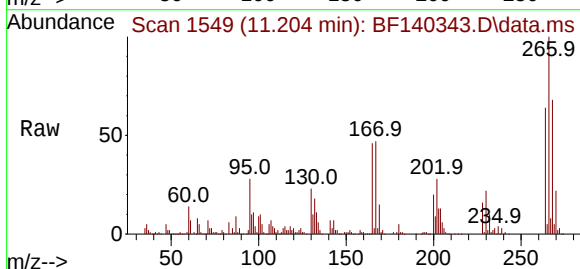
Tgt Ion:266 Resp: 260213

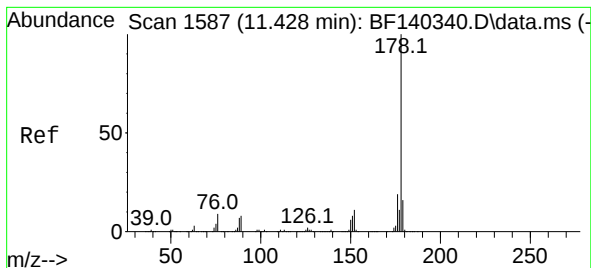
Ion Ratio Lower Upper

266 100

268 67.6 52.9 79.3

264 64.3 50.3 75.5





#71

Phenanthrene

Concen: 61.723 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

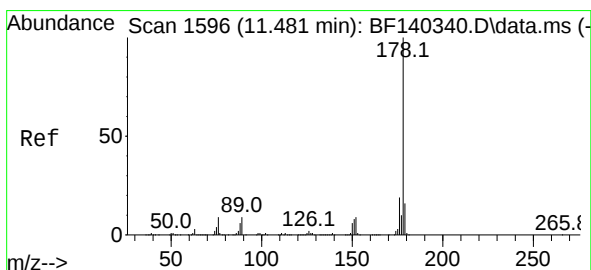
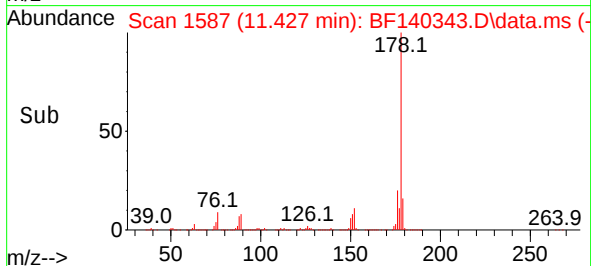
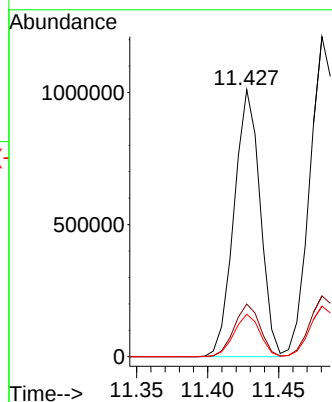
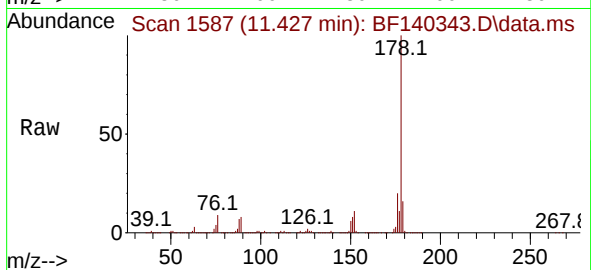
Tgt Ion:178 Resp: 1288889

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.9 12.4 18.6



#72

Anthracene

Concen: 76.977 ng

RT: 11.480 min Scan# 1596

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

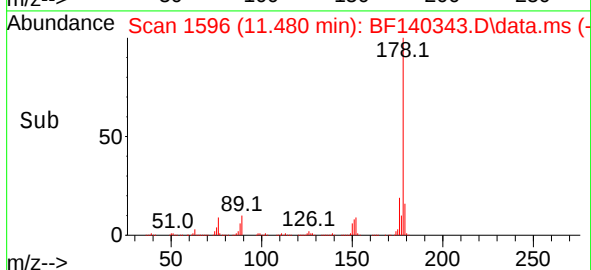
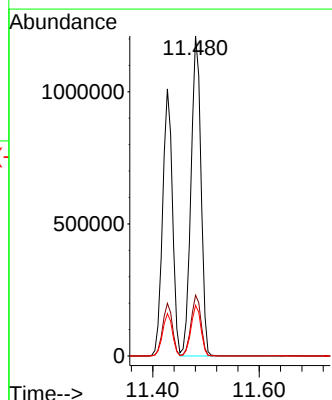
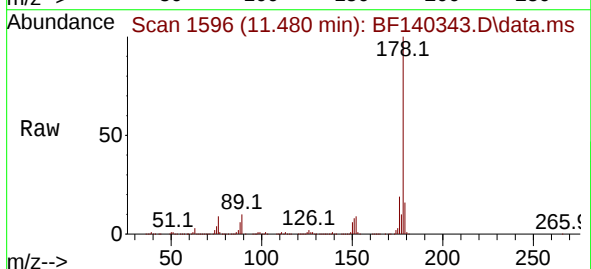
Tgt Ion:178 Resp: 1575371

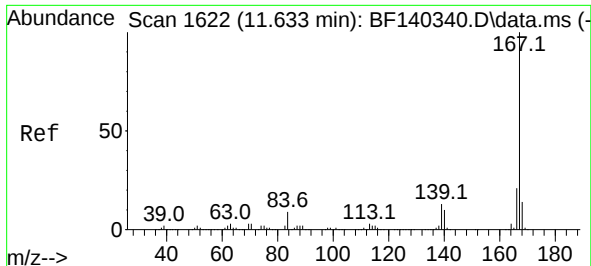
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.8 12.6 18.8

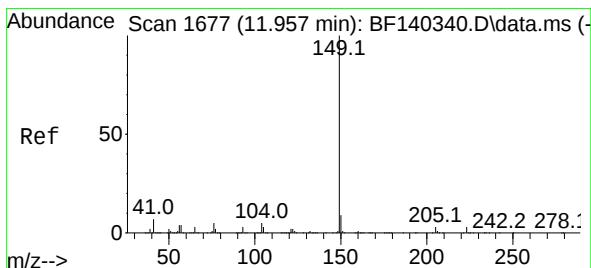
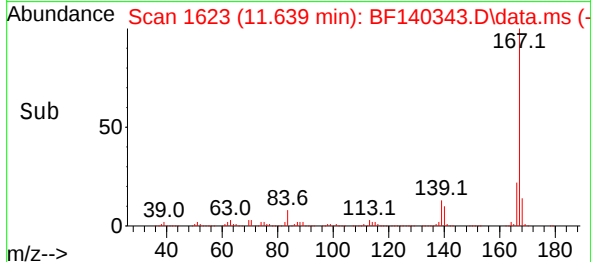
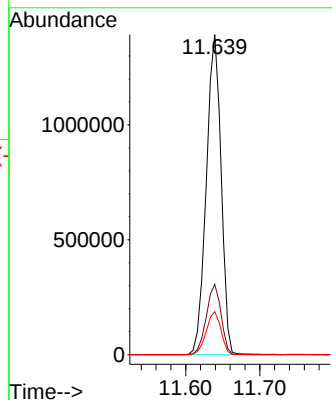
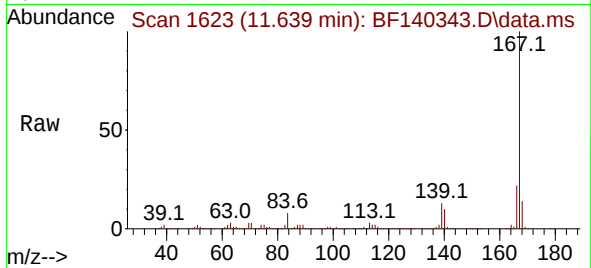




#73
 Carbazole
 Concen: 95.599 ng
 RT: 11.639 min Scan# 1622
 Delta R.T. 0.006 min
 Lab File: BF140343.D
 Acq: 13 Nov 2024 15:25

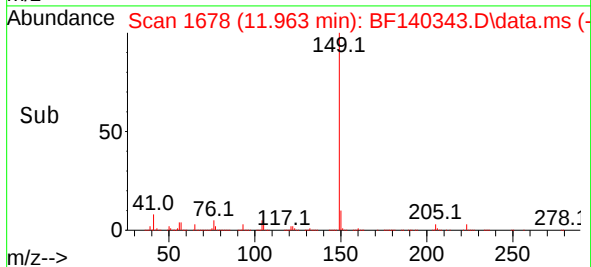
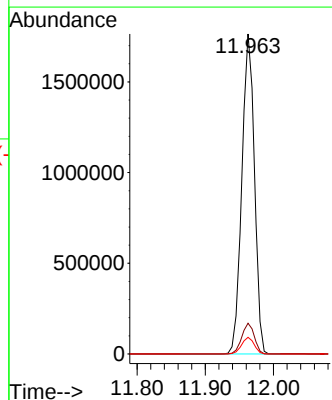
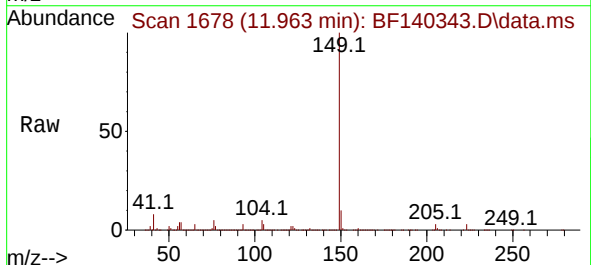
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

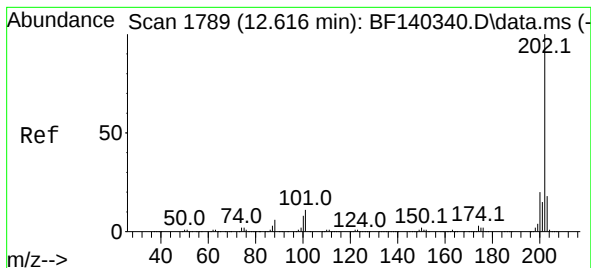
Tgt Ion:167 Resp: 1931830
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.2 25.8
 139 13.5 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 93.353 ng
 RT: 11.963 min Scan# 1678
 Delta R.T. 0.006 min
 Lab File: BF140343.D
 Acq: 13 Nov 2024 15:25

Tgt Ion:149 Resp: 2264149
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.4 11.2
 104 5.2 4.0 6.0





#75

Fluoranthene

Concen: 47.707 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

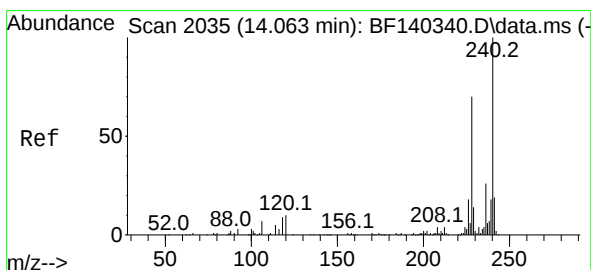
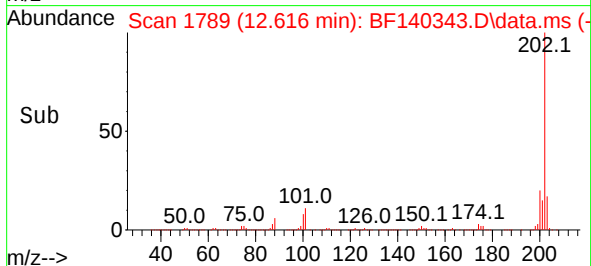
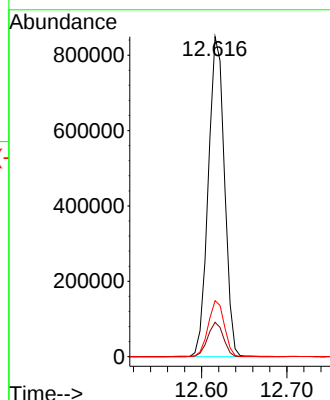
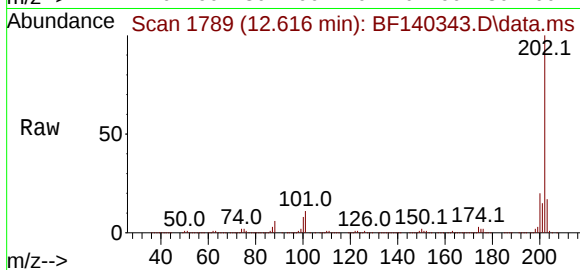
Tgt Ion:202 Resp: 1117672

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.7

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.029 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

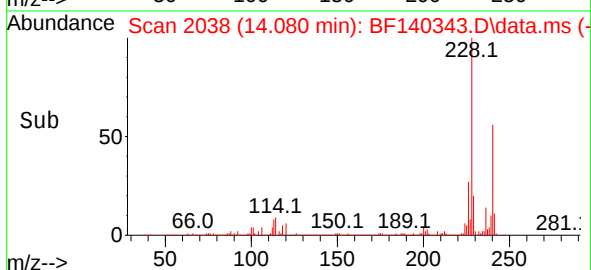
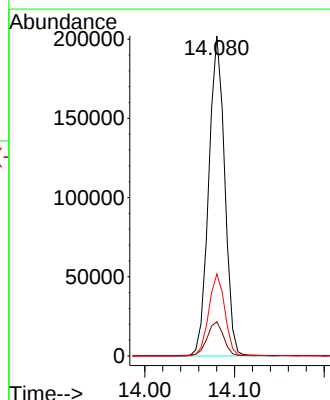
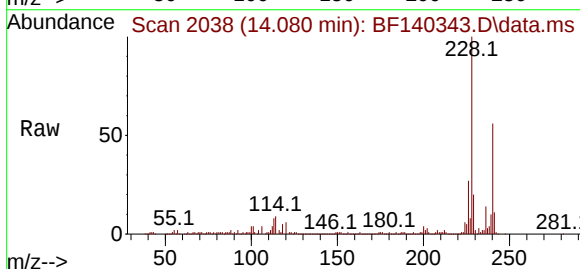
Tgt Ion:240 Resp: 249001

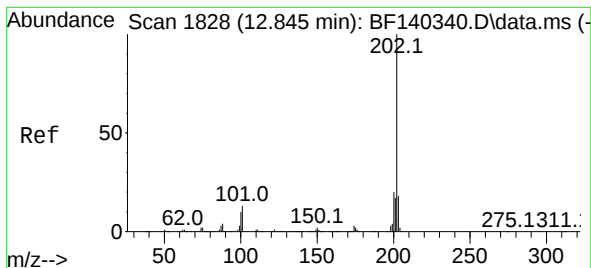
Ion Ratio Lower Upper

240 100

120 10.7 8.8 13.2

236 25.6 20.9 31.3





#78

Pyrene

Concen: 52.475 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.229 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

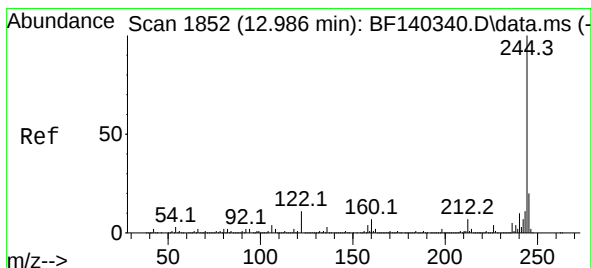
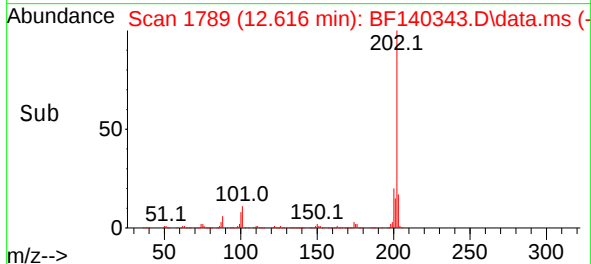
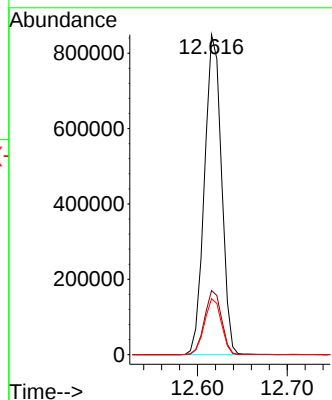
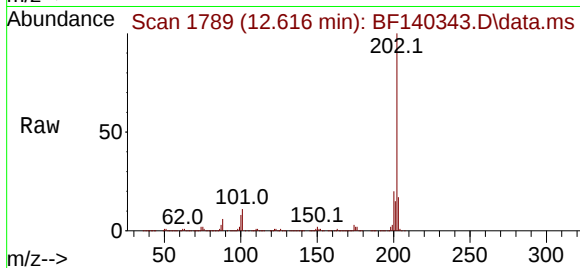
Tgt Ion:202 Resp: 1117655

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 17.5 14.2 21.4



#79

Terphenyl-d14

Concen: 82.967 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

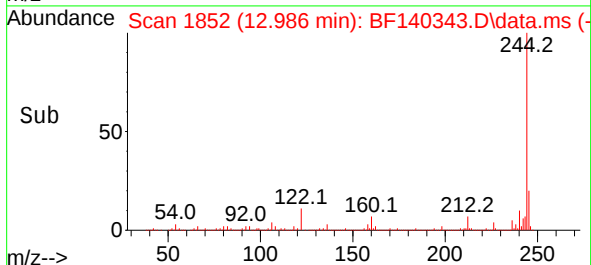
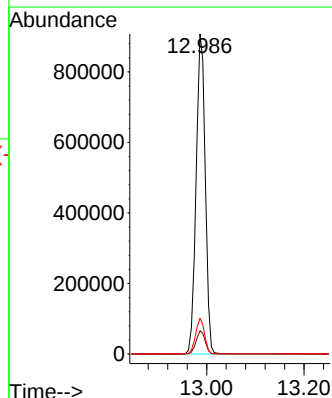
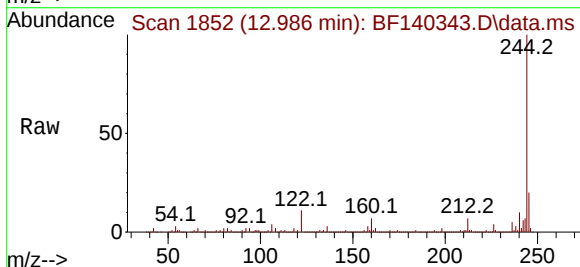
Tgt Ion:244 Resp: 1190175

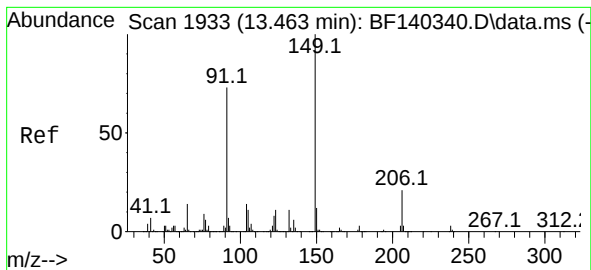
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 11.1 8.8 13.2





#80

Butylbenzylphthalate

Concen: 119.626 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.018 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

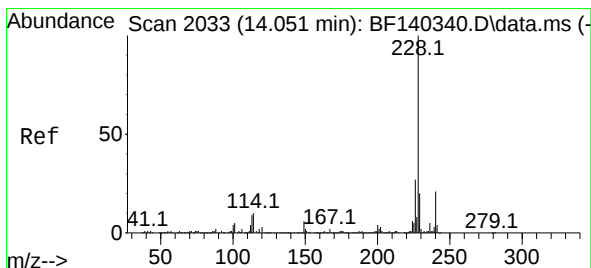
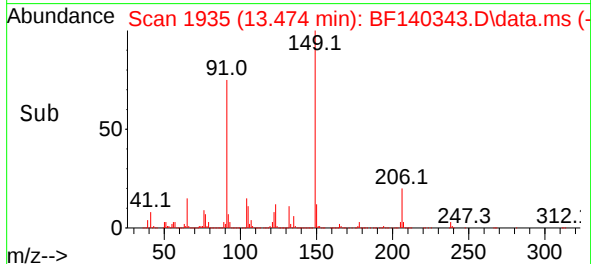
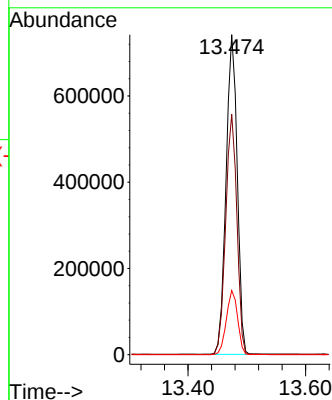
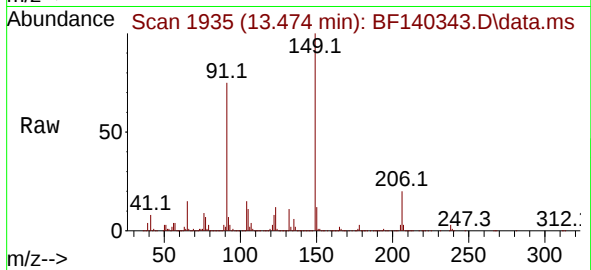
Tgt Ion:149 Resp: 978772

Ion Ratio Lower Upper

149 100

91 75.2 61.0 91.4

206 20.1 16.1 24.1



#81

Benzo(a)anthracene

Concen: 63.895 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.029 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

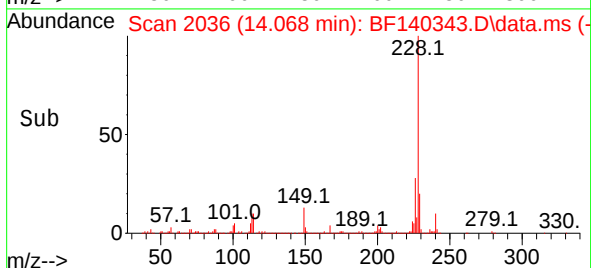
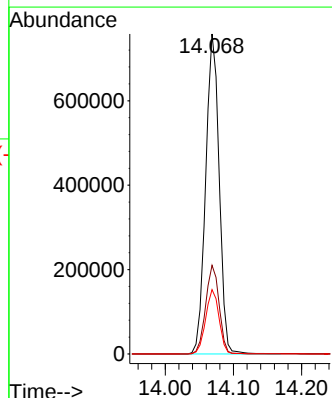
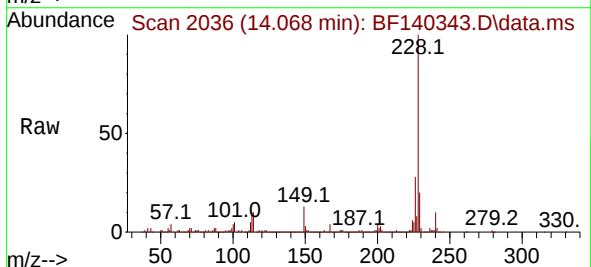
Tgt Ion:228 Resp: 1045637

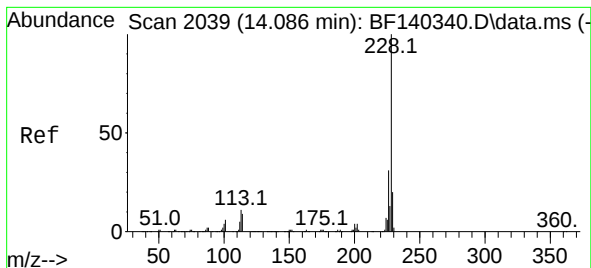
Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.4

229 20.1 15.8 23.6





#83

Chrysene

Concen: 70.028 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

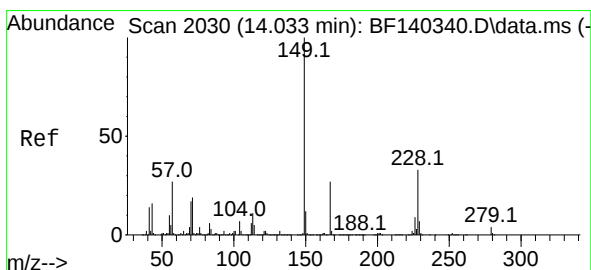
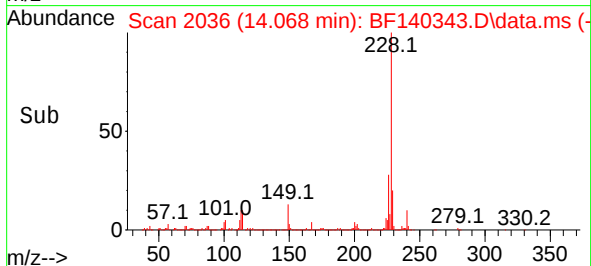
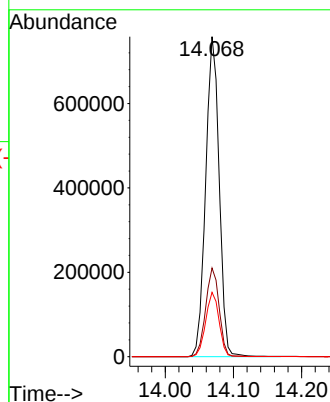
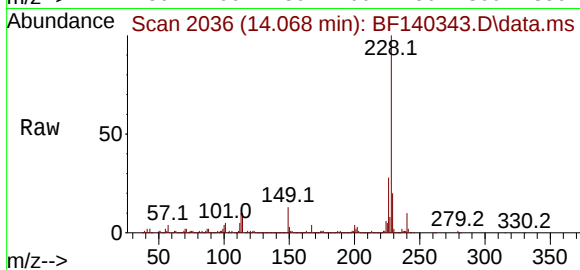
Tgt Ion:228 Resp: 1045637

Ion Ratio Lower Upper

228 100

226 27.7 24.5 36.7

229 20.1 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.075 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.029 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

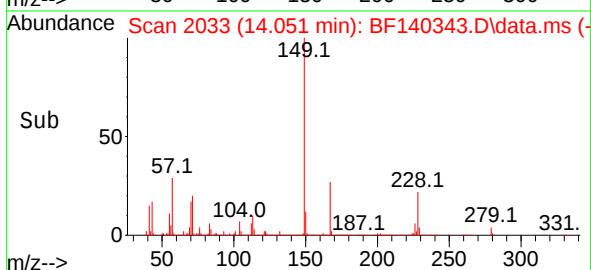
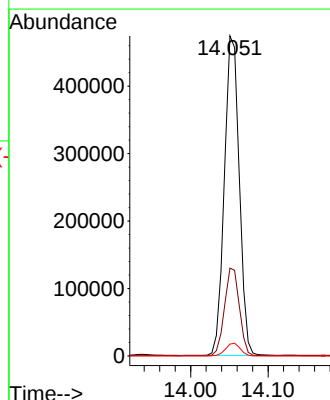
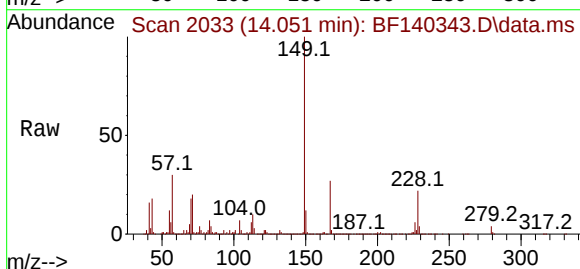
Tgt Ion:149 Resp: 634241

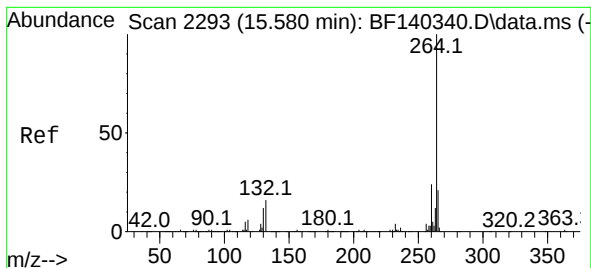
Ion Ratio Lower Upper

149 100

167 27.5 21.4 32.0

279 3.7 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

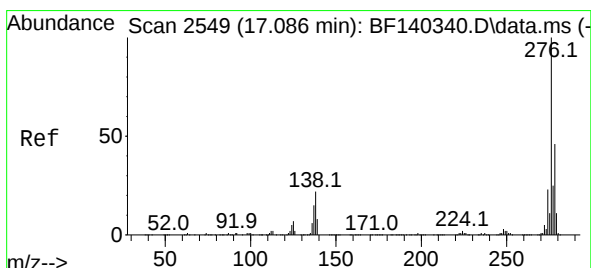
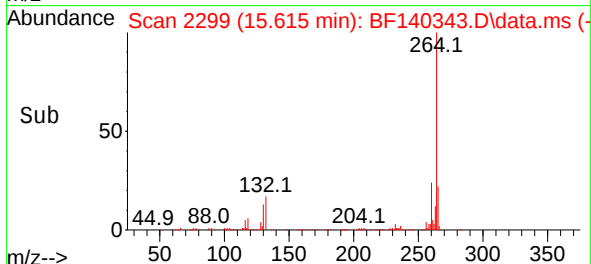
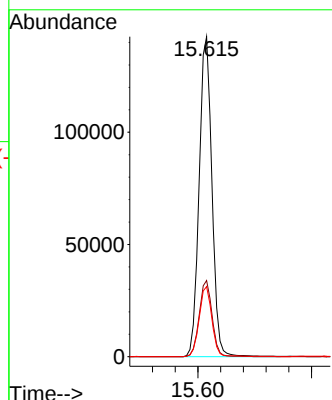
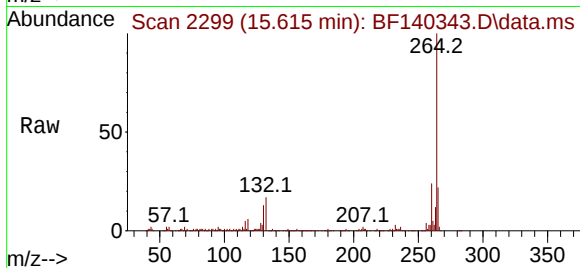
Tgt Ion:264 Resp: 223254

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.9 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 44.028 ng

RT: 17.127 min Scan# 2556

Delta R.T. 0.071 min

Lab File: BF140343.D

Acq: 13 Nov 2024 15:25

Tgt Ion:276 Resp: 607196

Ion Ratio Lower Upper

276 100

138 17.9 18.8 28.2#

277 24.0 20.2 30.2

