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 Data File : BF141878.D
 Acq On : 06 Mar 2025 19:58
 Operator : RC/JU
 Sample : Q1494-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 07 00:21:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

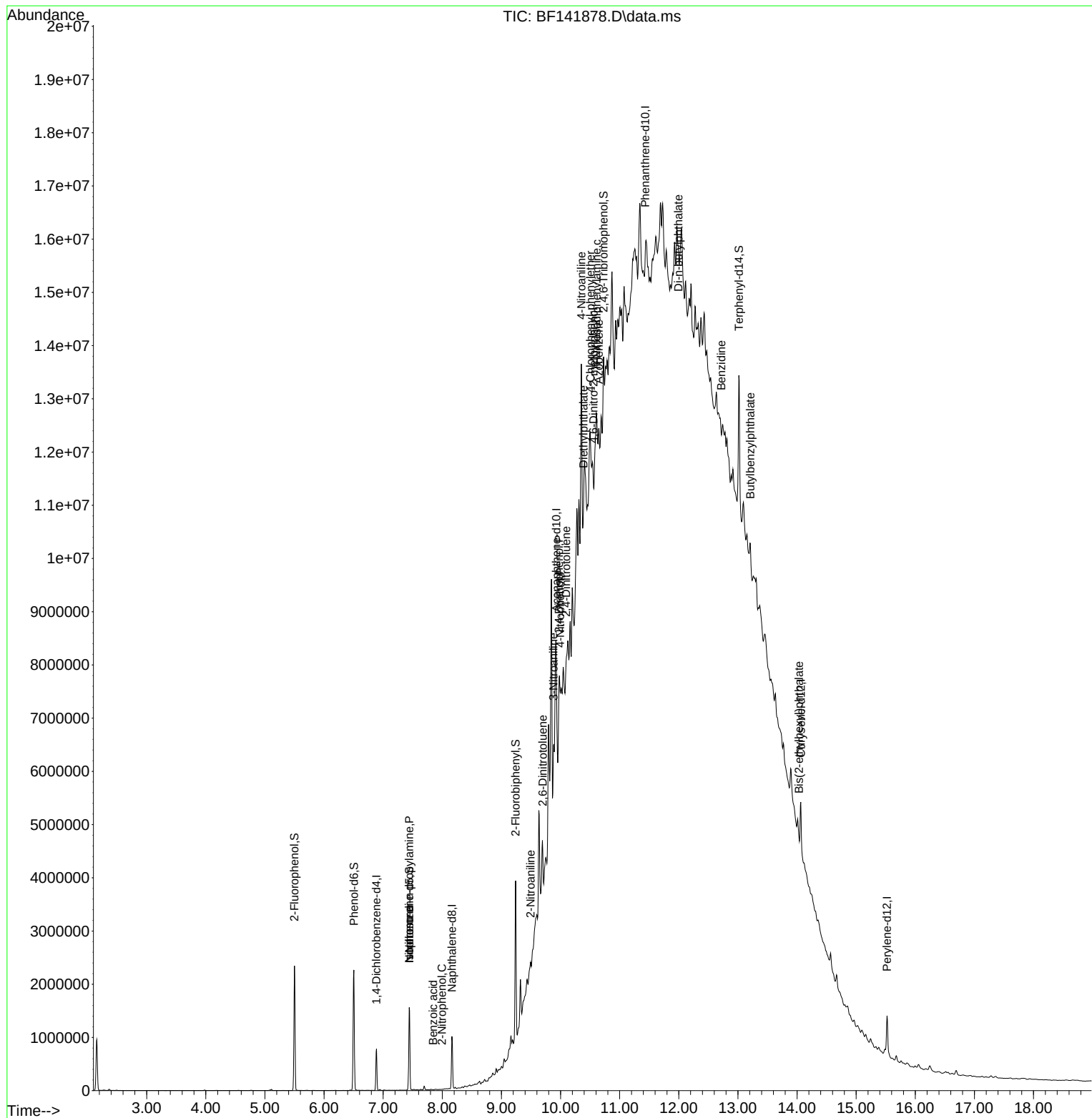
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	164831	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	617220	20.000	ng	-0.01
39) Acenaphthene-d10	9.928	164	263688	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	410085	20.000	ng	# 0.02
76) Chrysene-d12	14.063	240	421152	20.000	ng	0.01
86) Perylene-d12	15.521	264	438270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	883968	85.644	ng	0.00
7) Phenol-d6	6.504	99	1113960	82.920	ng	0.00
23) Nitrobenzene-d5	7.440	82	715027	74.049	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	341670	138.018	ng	0.01
45) 2-Fluorobiphenyl	9.239	172	1240657	75.442	ng	0.00
79) Terphenyl-d14	13.016	244	1423045	54.668	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	99962	11.319	ng	# 77
25) Isophorone	7.440	82	708366	34.147	ng	# 66
26) 2-Nitrophenol	7.992	139	214	4.592	ng	# 1
32) Benzoic acid	7.845	122	1021	7.825	ng	# 72
48) 2-Nitroaniline	9.492	65	14499	7.592	ng	# 67
51) 2,6-Dinitrotoluene	9.698	165	22686	9.148	ng	# 25
53) 3-Nitroaniline	9.881	138	41654	13.827	ng	# 14
54) 2,4-Dinitrophenol	9.975	184	554	6.236	ng	# 1
56) 4-Nitrophenol	9.992	139	8553	3.279	ng	# 1
57) 2,4-Dinitrotoluene	10.092	165	17639	7.486	ng	# 33
60) Diethylphthalate	10.386	149	59468	3.359	ng	# 2
61) 4-Chlorophenyl-phenyle...	10.504	204	37470	4.577	ng	# 1
62) 4-Nitroaniline	10.351	138	67821	22.490	ng	# 91
63) Azobenzene	10.645	77	65772	3.529	ng	# 39
65) 4,6-Dinitro-2-methylph...	10.557	198	4276	9.965	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	45116	3.350	ng	# 60
74) Di-n-butylphthalate	11.992	149	120983	4.916	ng	# 31
77) Benzidine	12.722	184	16238	3.063	ng	# 1
80) Butylbenzylphthalate	13.210	149	28434	2.146	ng	# 58
84) Bis(2-ethylhexyl)phtha...	14.033	149	41550	2.518	ng	# 65

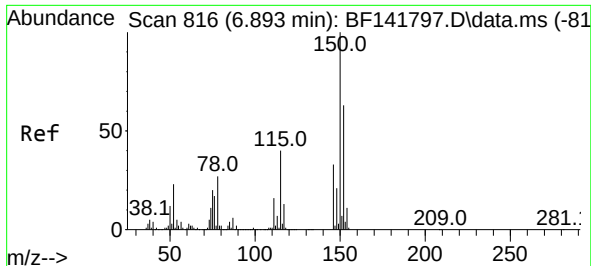
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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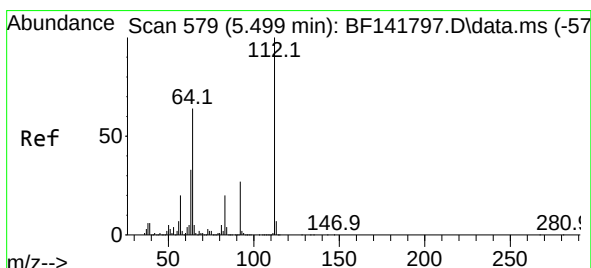
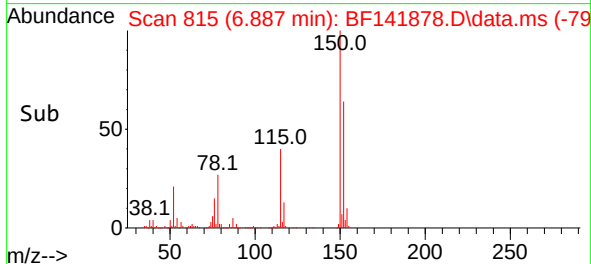
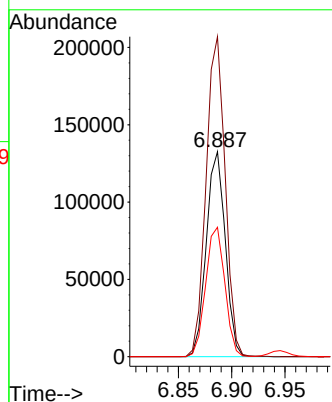
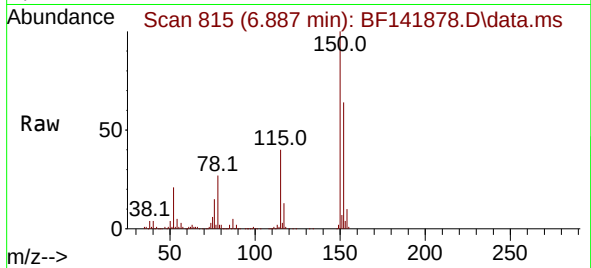




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141878.D
 Acq: 06 Mar 2025 19:58

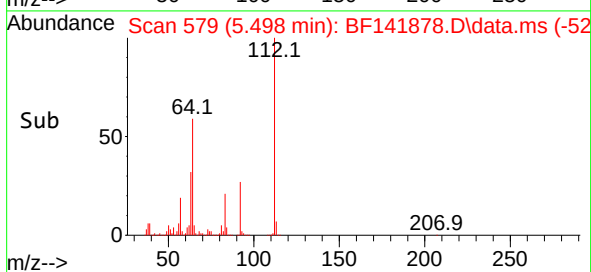
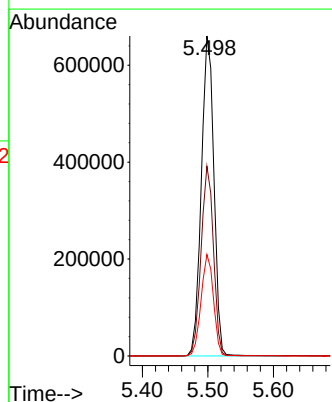
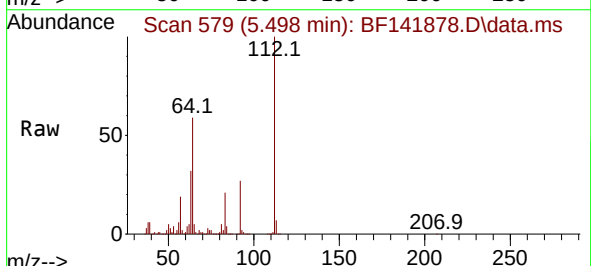
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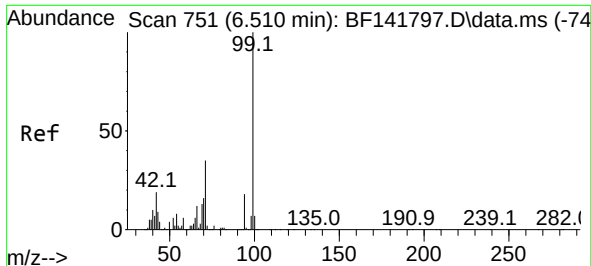
Tgt Ion:152 Resp: 164831
 Ion Ratio Lower Upper
 152 100
 150 156.1 127.5 191.3
 115 63.2 51.4 77.2



#5
 2-Fluorophenol
 Concen: 85.644 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141878.D
 Acq: 06 Mar 2025 19:58

Tgt Ion:112 Resp: 883968
 Ion Ratio Lower Upper
 112 100
 64 59.3 51.3 76.9
 63 31.7 26.2 39.4

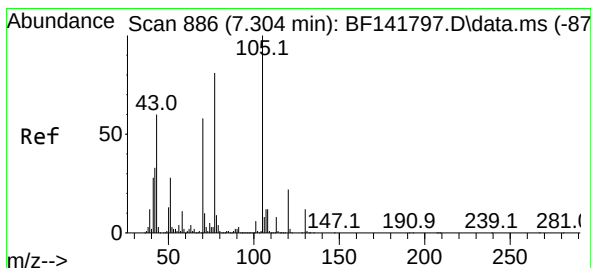
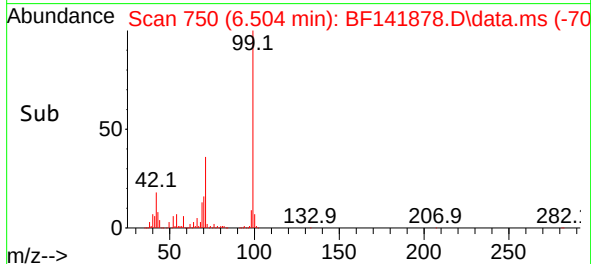
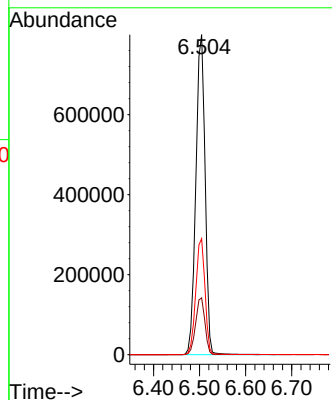
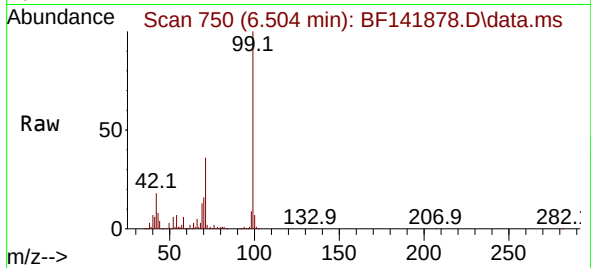




#7
Phenol-d6
Concen: 82.920 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

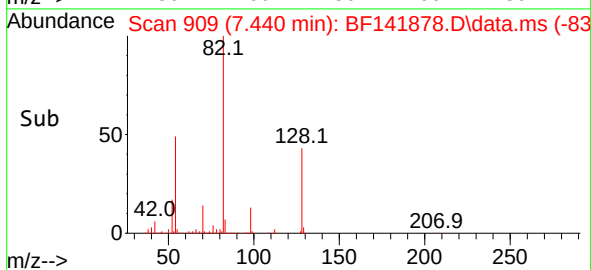
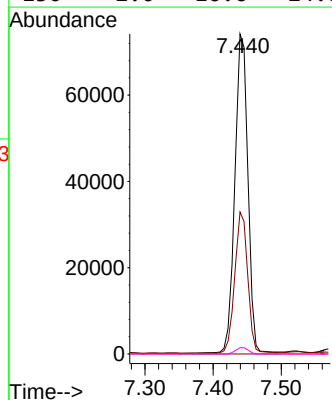
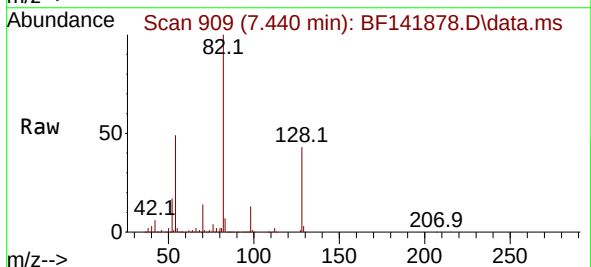
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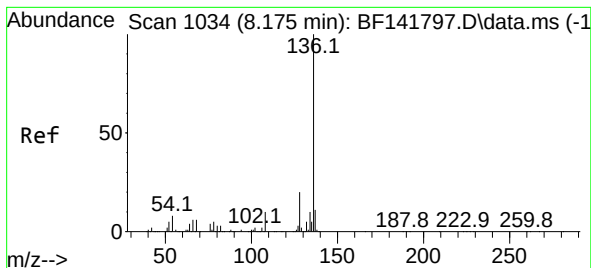
Tgt Ion: 99 Resp: 1113960
Ion Ratio Lower Upper
99 100
42 17.8 15.2 22.8
71 36.3 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.319 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion: 70 Resp: 99962
Ion Ratio Lower Upper
70 100
42 44.3 45.4 68.0#
101 0.0 7.8 11.8#
130 2.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

Tgt Ion:136 Resp: 617220

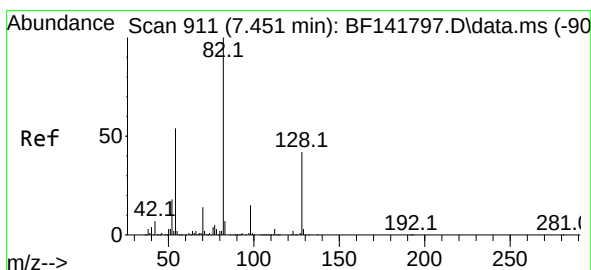
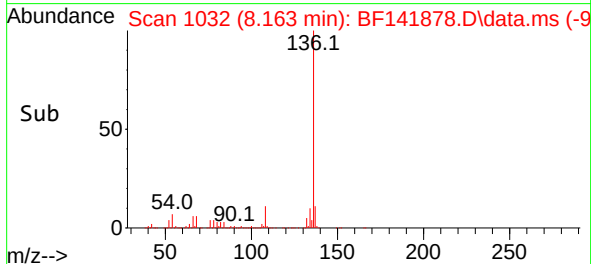
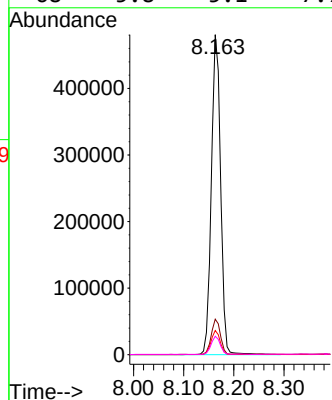
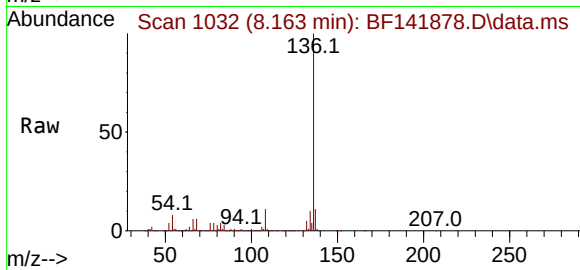
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.9 10.3

68 5.8 5.1 7.7



#23

Nitrobenzene-d5

Concen: 74.049 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

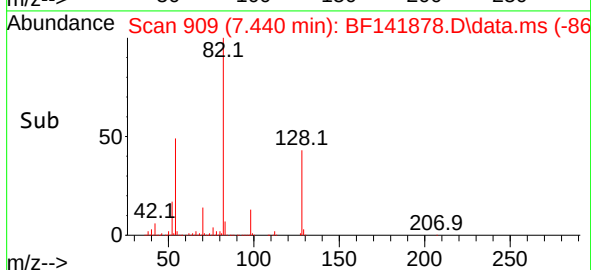
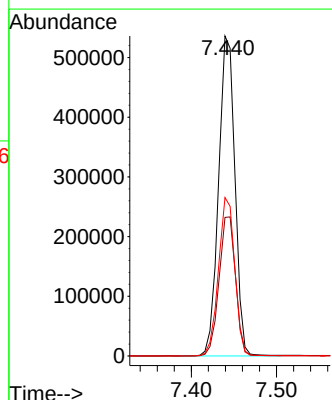
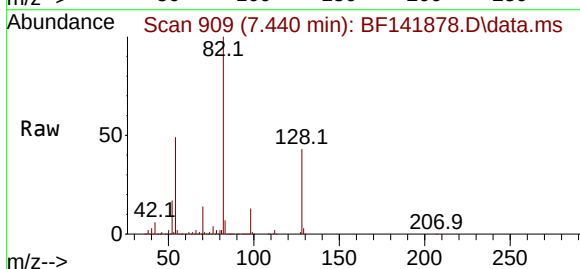
Tgt Ion: 82 Resp: 715027

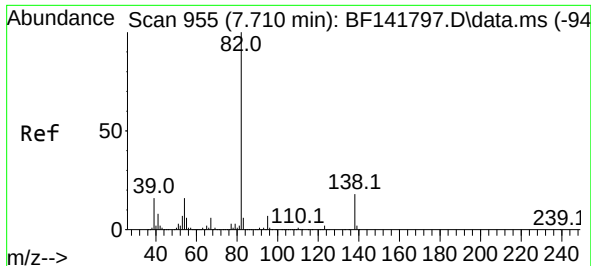
Ion Ratio Lower Upper

82 100

128 43.3 33.5 50.3

54 49.5 42.7 64.1

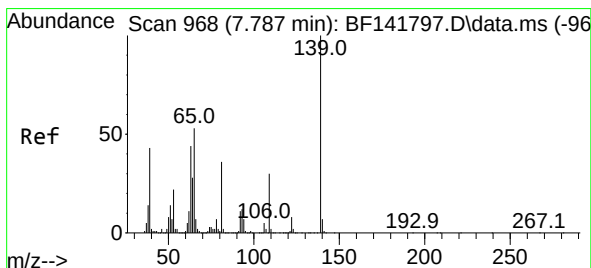
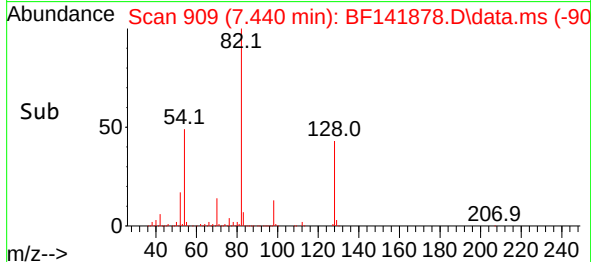
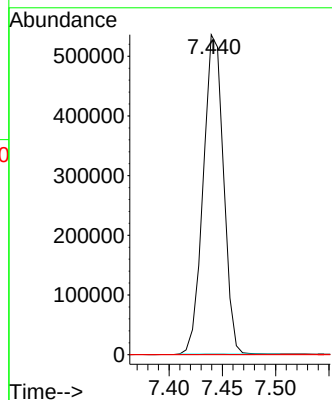
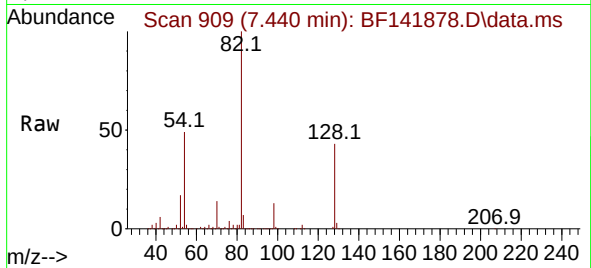




#25
Isophorone
Concen: 34.147 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

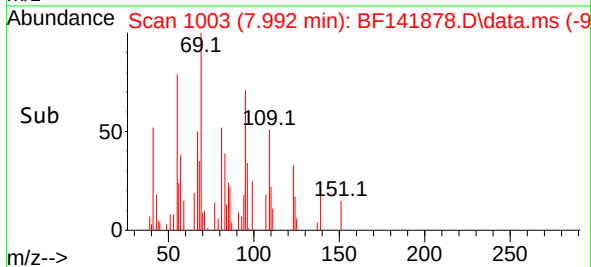
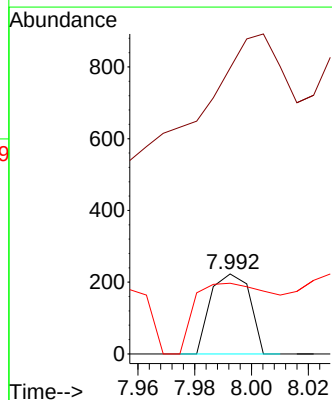
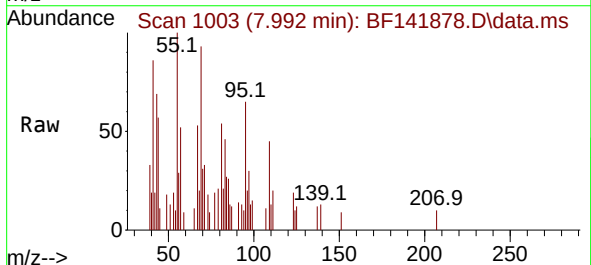
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ClientSampleId :
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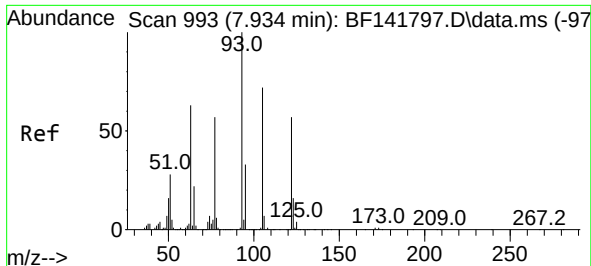
Tgt Ion: 82 Resp: 708366
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.592 ng
RT: 7.992 min Scan# 1003
Delta R.T. 0.205 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:139 Resp: 214
Ion Ratio Lower Upper
139 100
109 357.4 24.1 36.1#
65 88.3 42.3 63.5#

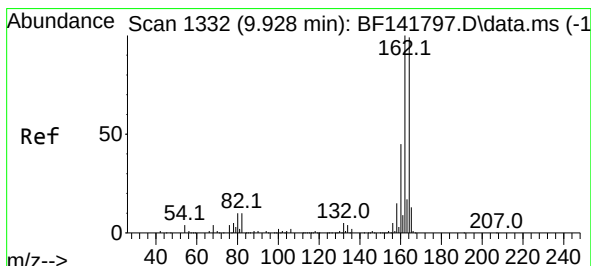
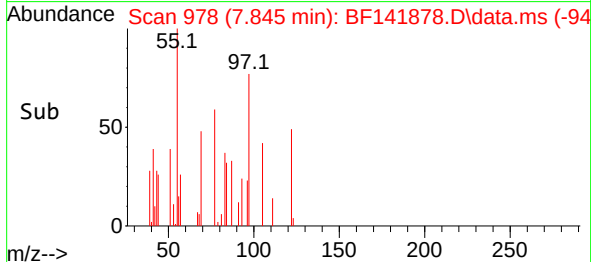
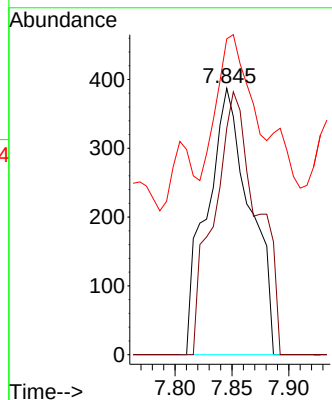
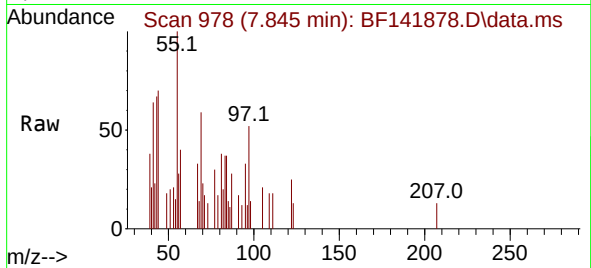




#32
Benzoic acid
Concen: 7.825 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.089 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

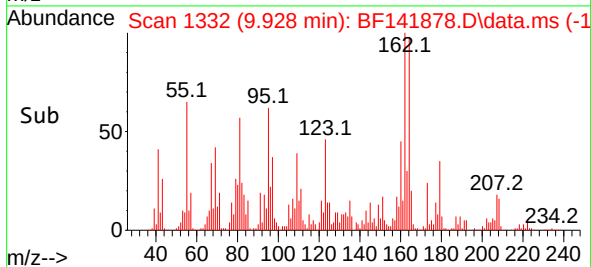
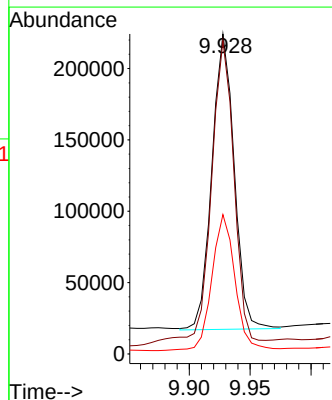
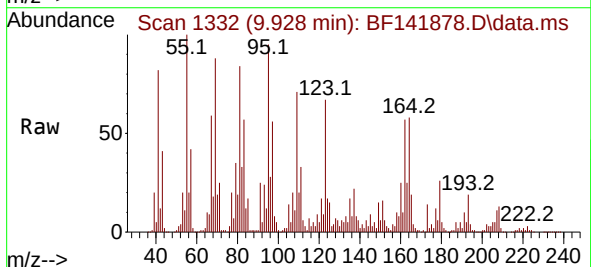
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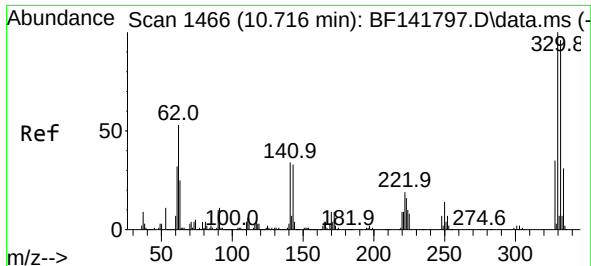
Tgt Ion:122 Resp: 1021
Ion Ratio Lower Upper
122 100
105 85.0 105.8 145.8#
77 118.6 79.9 119.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:164 Resp: 263688
Ion Ratio Lower Upper
164 100
162 97.9 80.6 120.8
160 43.5 36.3 54.5

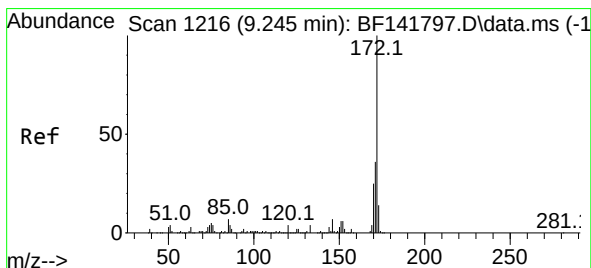
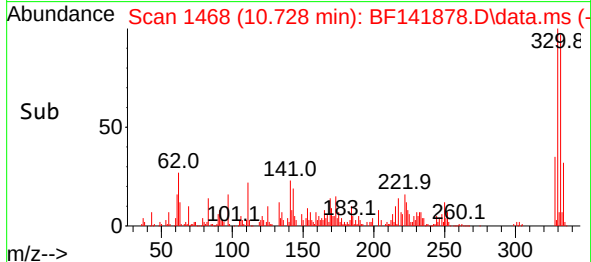
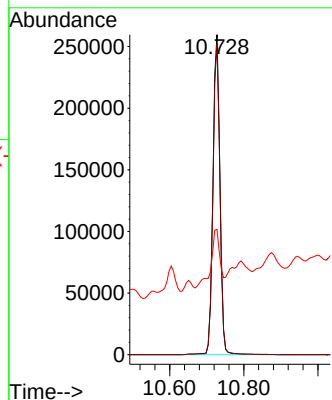
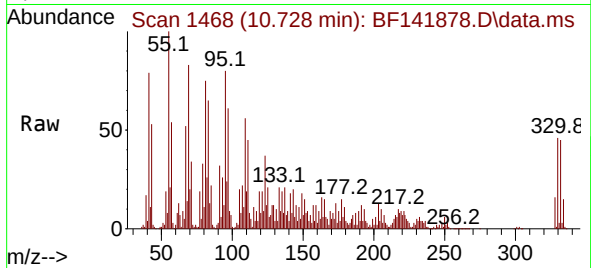




#42
2,4,6-Tribromophenol
Concen: 138.018 ng
RT: 10.728 min Scan# 1468
Delta R.T. 0.012 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

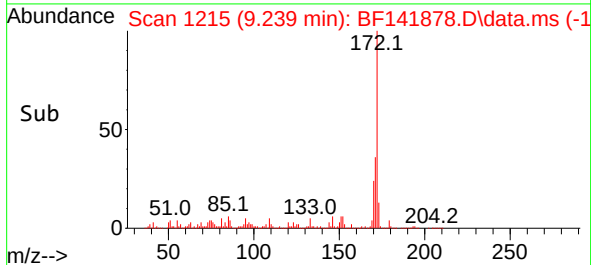
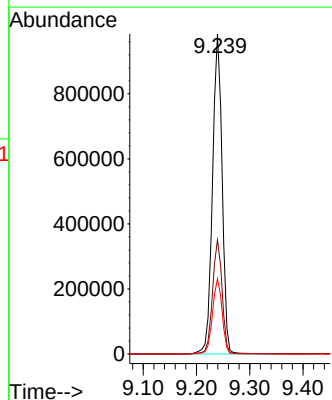
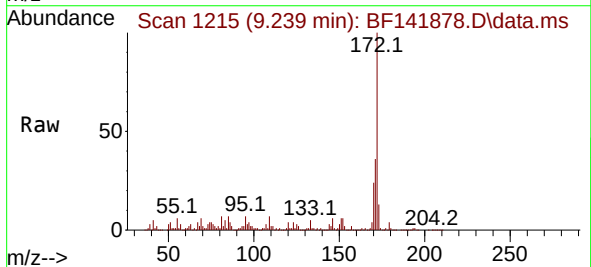
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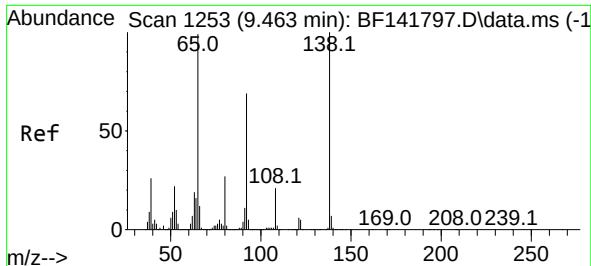
Tgt Ion:330 Resp: 341670
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 23.4 29.0 43.4#



#45
2-Fluorobiphenyl
Concen: 75.442 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:172 Resp: 1240657
Ion Ratio Lower Upper
172 100
171 35.6 29.2 43.8
170 23.5 19.7 29.5

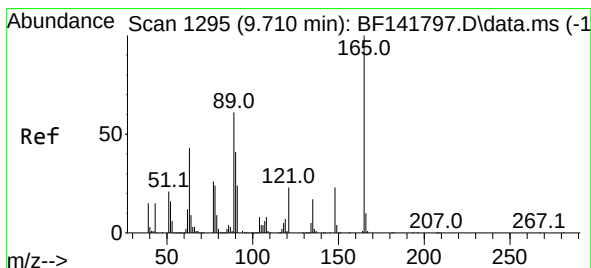
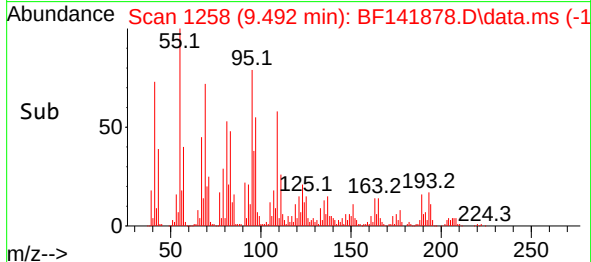
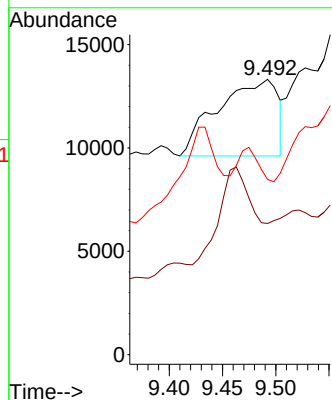
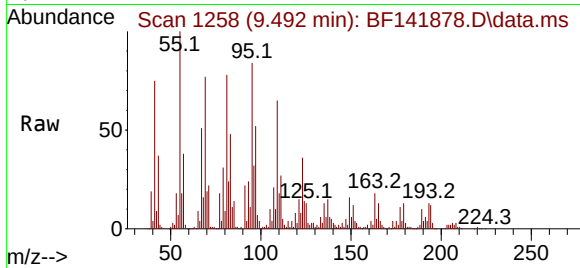




#48
2-Nitroaniline
Concen: 7.592 ng
RT: 9.492 min Scan# 1258
Delta R.T. 0.029 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

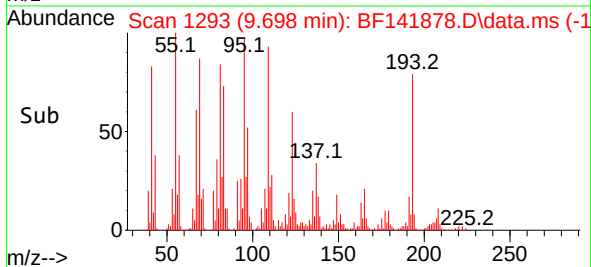
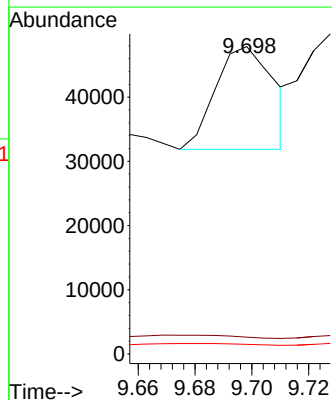
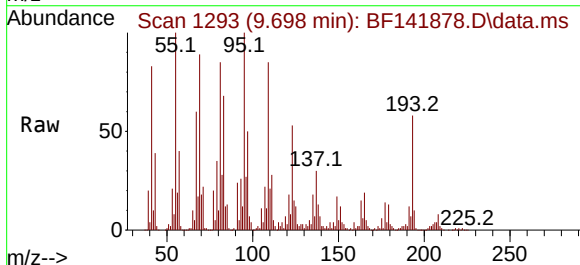
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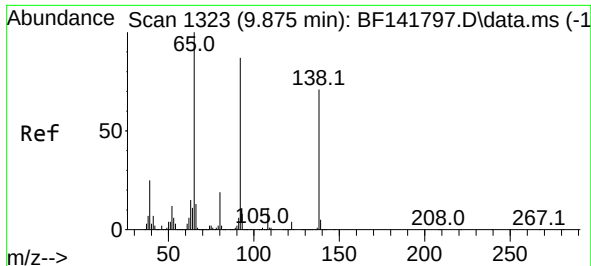
Tgt Ion: 65 Resp: 14499
Ion Ratio Lower Upper
65 100
92 47.6 55.7 83.5#
138 63.6 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 9.148 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion: 165 Resp: 22686
Ion Ratio Lower Upper
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63 5.5 49.5 74.3#
89 3.1 49.0 73.4#

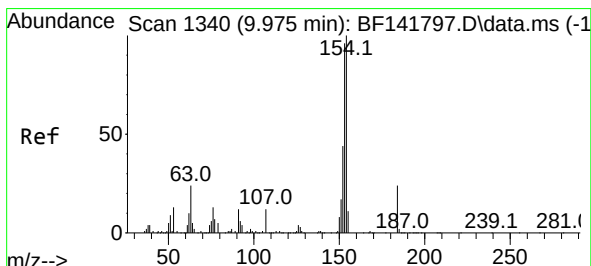
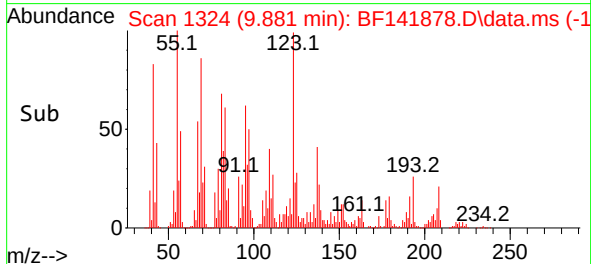
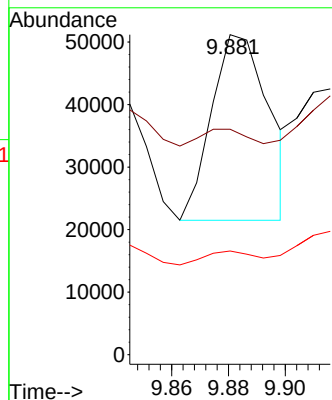
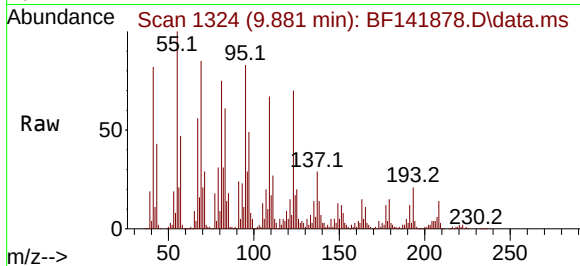




#53
3-Nitroaniline
Concen: 13.827 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

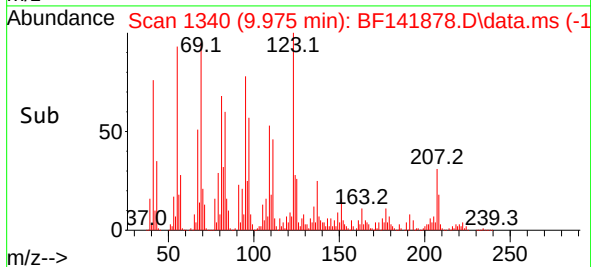
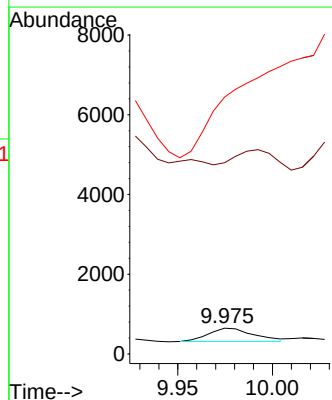
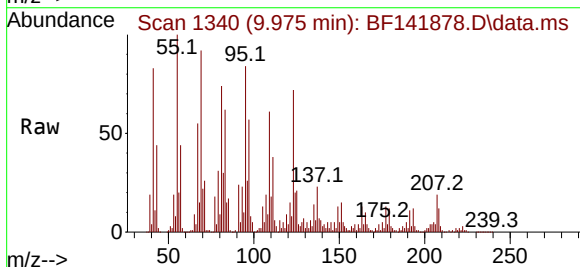
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

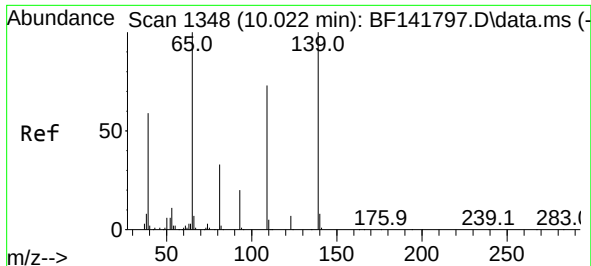
Tgt Ion:138 Resp: 41654
Ion Ratio Lower Upper
138 100
108 70.5 12.7 19.1#
92 32.4 97.9 146.9#



#54
2,4-Dinitrophenol
Concen: 6.236 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:184 Resp: 554
Ion Ratio Lower Upper
184 100
63 740.0 79.0 118.6#
154 994.0 335.8 503.8#

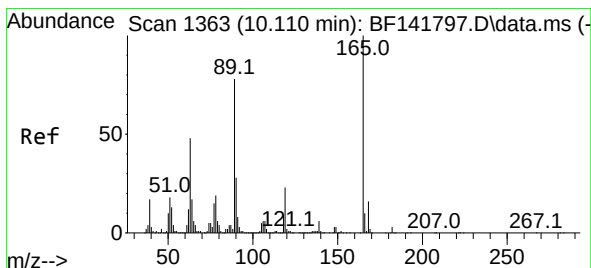
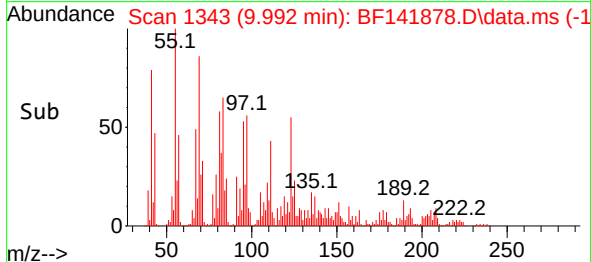
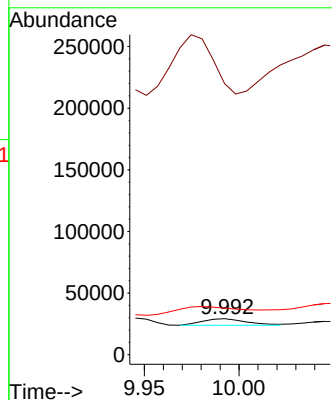
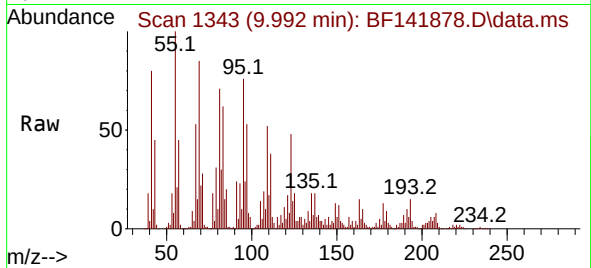




#56
4-Nitrophenol
Concen: 3.279 ng
RT: 9.992 min Scan# 1343
Delta R.T. -0.030 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

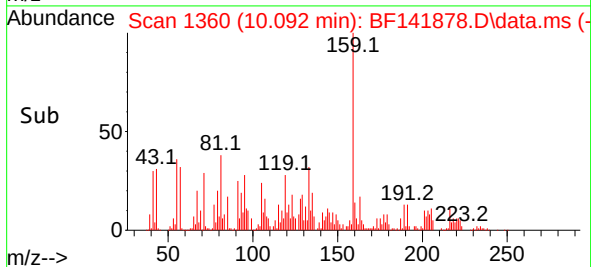
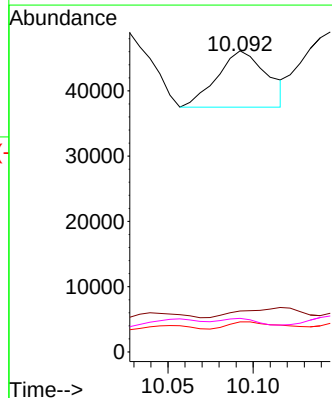
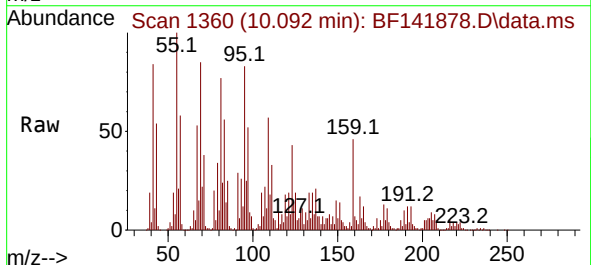
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

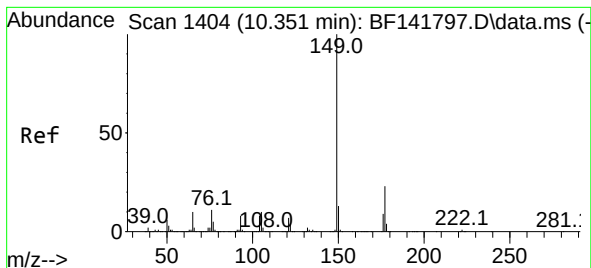
Tgt Ion:139 Resp: 8553
Ion Ratio Lower Upper
139 100
109 754.4 53.4 93.4#
65 129.5 82.1 122.1#



#57
2,4-Dinitrotoluene
Concen: 7.486 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.018 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:165 Resp: 17639
Ion Ratio Lower Upper
165 100
63 13.6 38.8 58.2#
89 10.0 62.6 94.0#
182 11.2 2.2 3.2#





#60

Diethylphthalate

Concen: 3.359 ng

RT: 10.386 min Scan# 1410

Delta R.T. 0.035 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

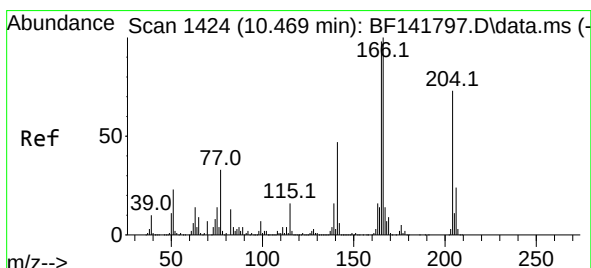
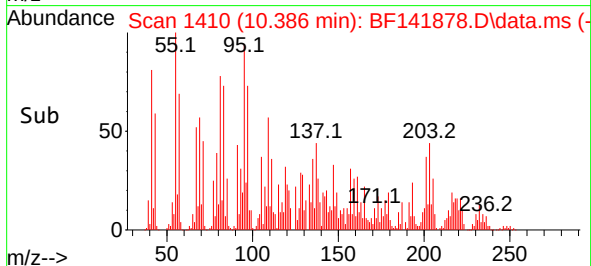
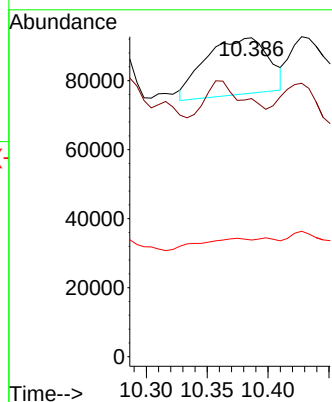
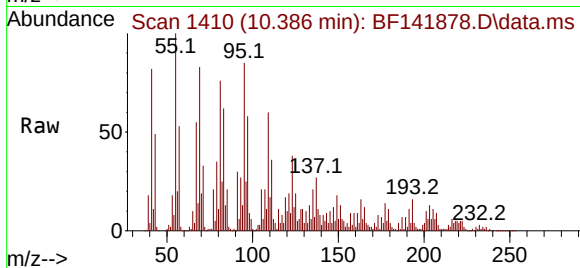
Tgt Ion:149 Resp: 59468

Ion Ratio Lower Upper

149 100

177 80.9 18.3 27.5#

150 36.6 10.3 15.5#



#61

4-Chlorophenyl-phenylether

Concen: 4.577 ng

RT: 10.504 min Scan# 1430

Delta R.T. 0.035 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

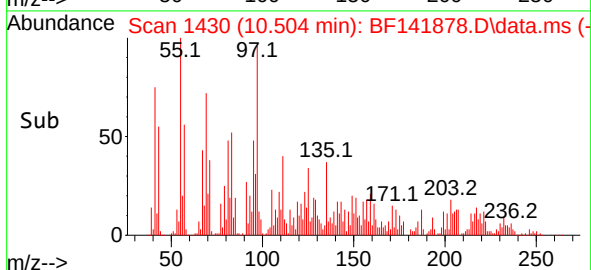
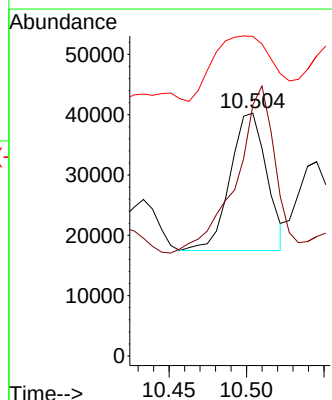
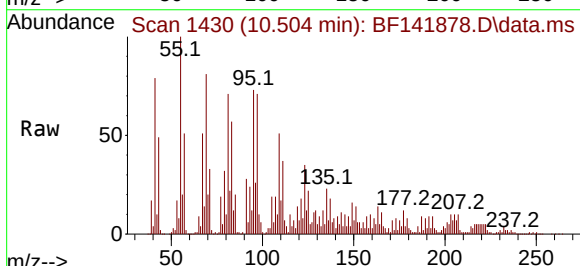
Tgt Ion:204 Resp: 37470

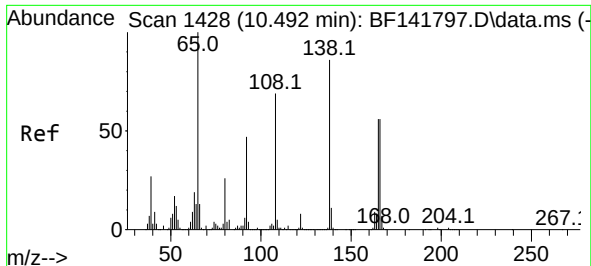
Ion Ratio Lower Upper

204 100

206 103.5 26.2 39.4#

141 131.7 51.7 77.5#

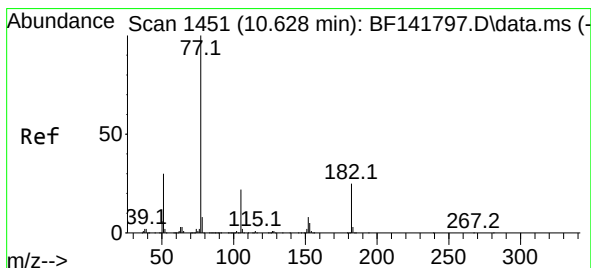
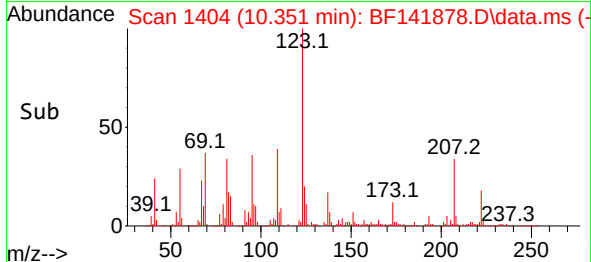
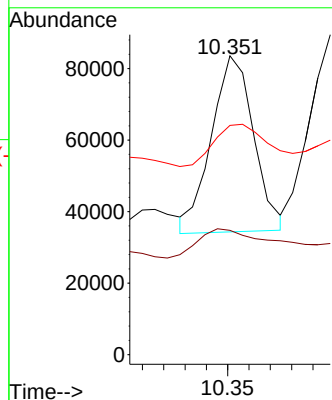
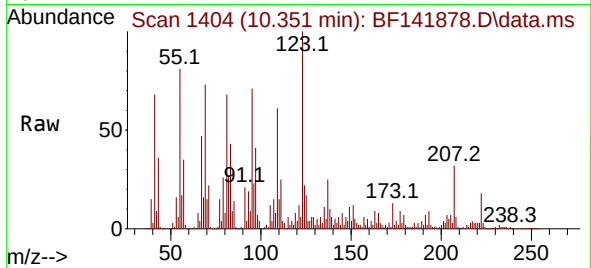




#62
4-Nitroaniline
Concen: 22.490 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.141 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

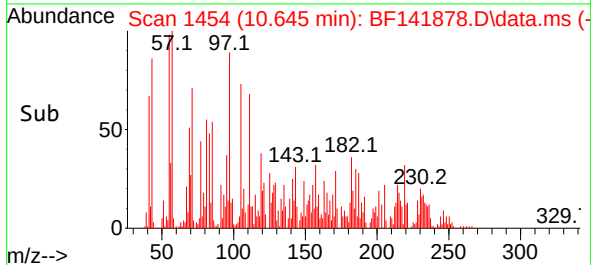
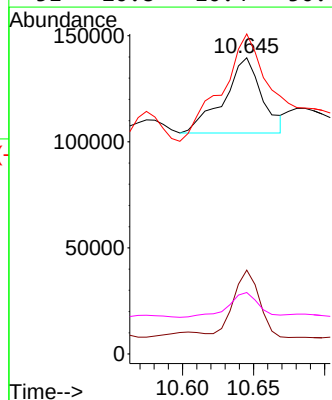
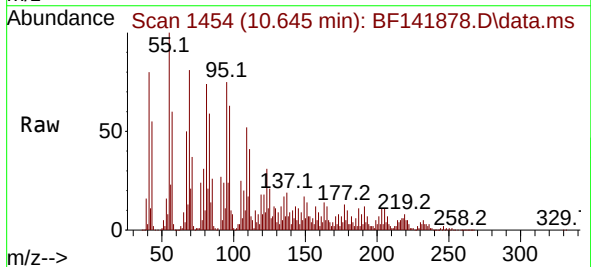
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

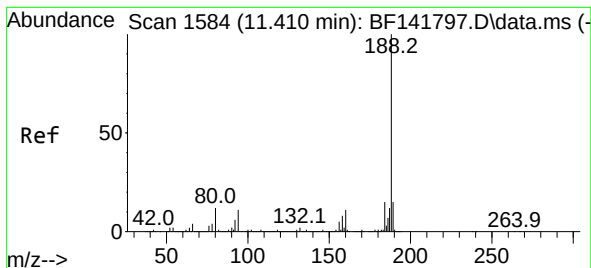
Tgt Ion:138 Resp: 67821
Ion Ratio Lower Upper
138 100
92 41.6 34.9 74.9
108 76.7 59.6 99.6



#63
Azobenzene
Concen: 3.529 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.018 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion: 77 Resp: 65772
Ion Ratio Lower Upper
77 100
182 28.3 4.2 44.2
105 108.1 1.5 41.5#
51 20.8 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

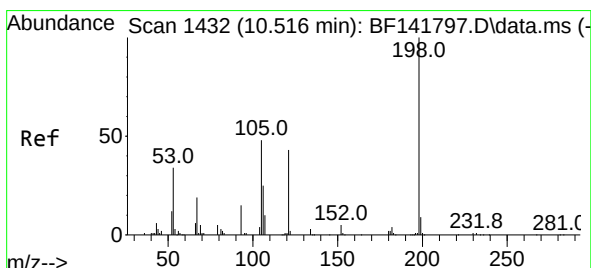
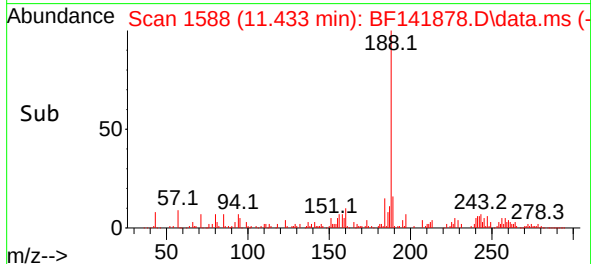
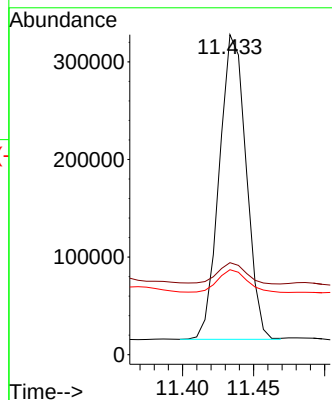
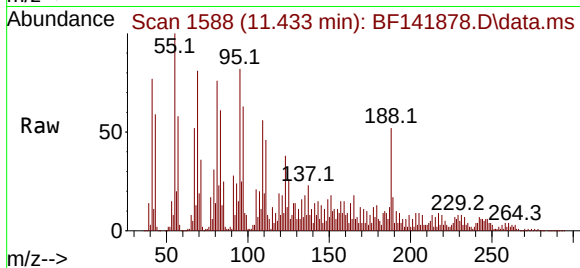
Tgt Ion:188 Resp: 410085

Ion Ratio Lower Upper

188 100

94 28.8 8.9 13.3#

80 26.6 9.7 14.5#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.965 ng

RT: 10.557 min Scan# 1439

Delta R.T. 0.041 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

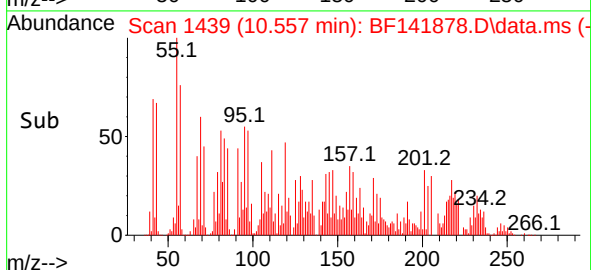
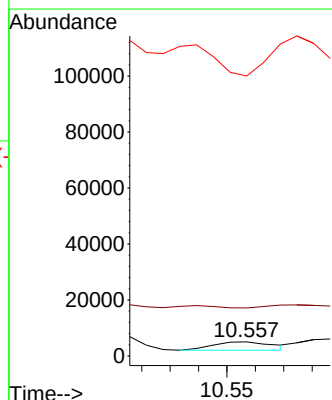
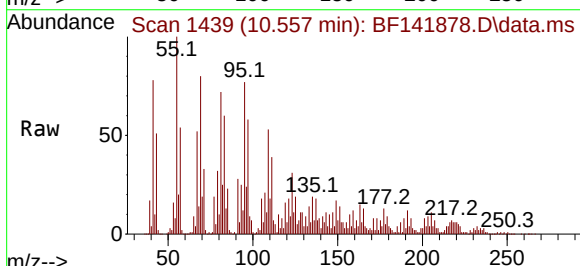
Tgt Ion:198 Resp: 4276

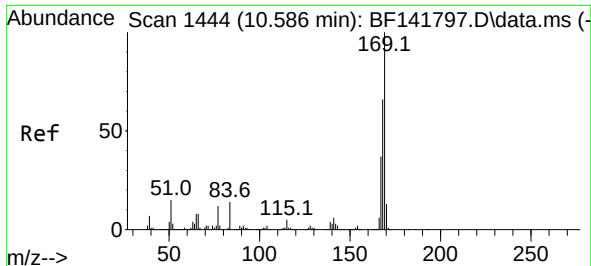
Ion Ratio Lower Upper

198 100

51 342.0 32.1 72.1#

105 1994.2 28.5 68.5#

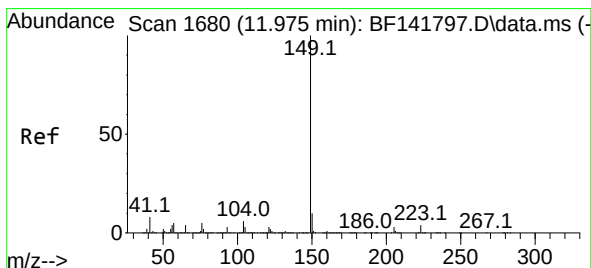
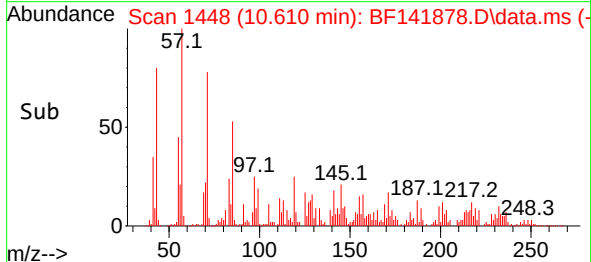
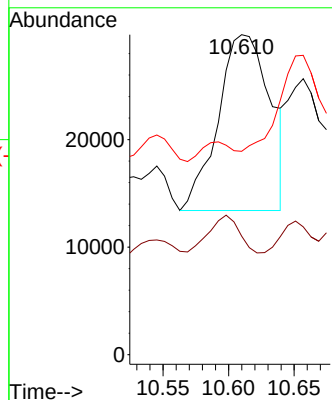
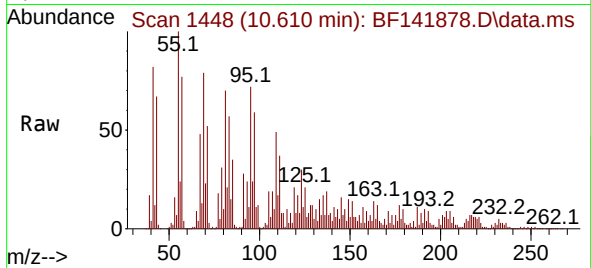




#66
n-Nitrosodiphenylamine
Concen: 3.350 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.023 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

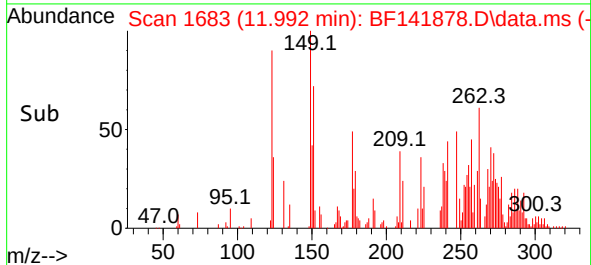
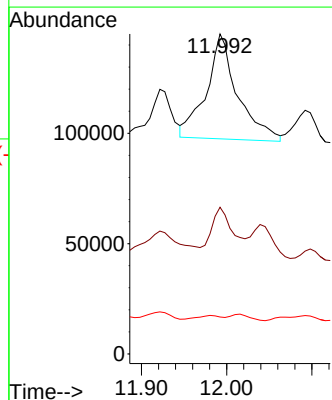
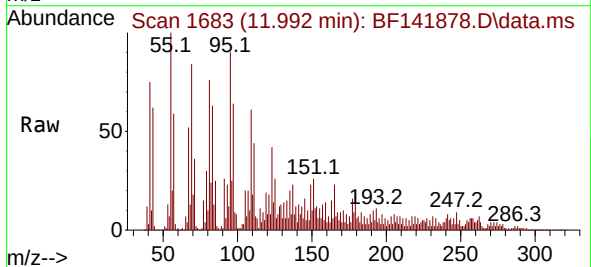
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

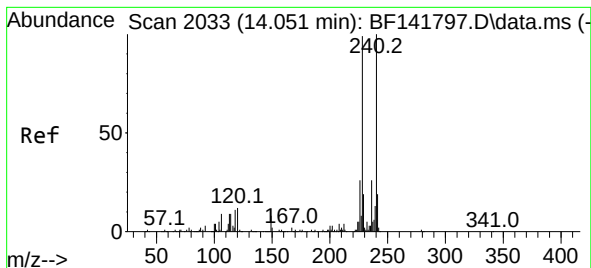
Tgt Ion:169 Resp: 45116
Ion Ratio Lower Upper
169 100
168 37.1 53.0 79.6#
167 63.6 29.3 43.9#



#74
Di-n-butylphthalate
Concen: 4.916 ng
RT: 11.992 min Scan# 1683
Delta R.T. 0.018 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:149 Resp: 120983
Ion Ratio Lower Upper
149 100
150 45.9 7.7 11.5#
104 11.5 4.4 6.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2033

Delta R.T. 0.012 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

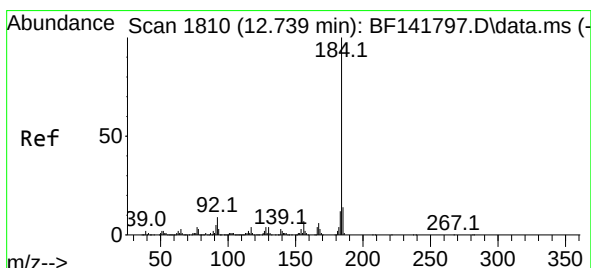
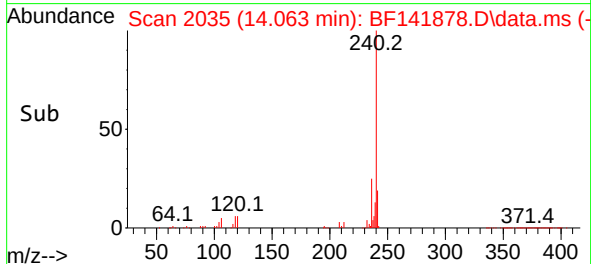
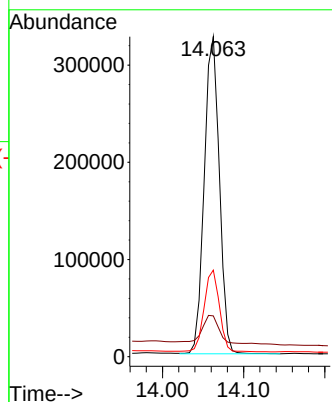
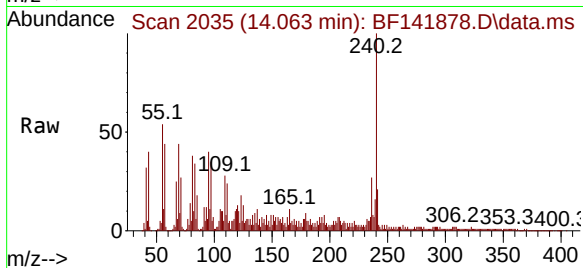
Tgt Ion:240 Resp: 421152

Ion Ratio Lower Upper

240 100

120 12.8 9.7 14.5

236 27.0 21.0 31.4



#77

Benzidine

Concen: 3.063 ng

RT: 12.722 min Scan# 1807

Delta R.T. -0.017 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

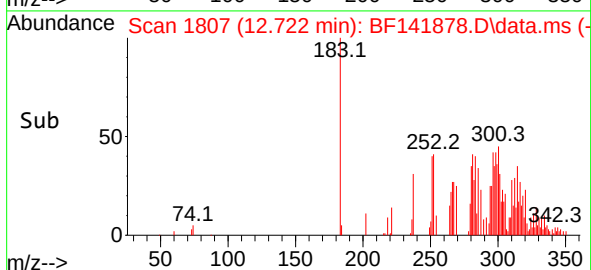
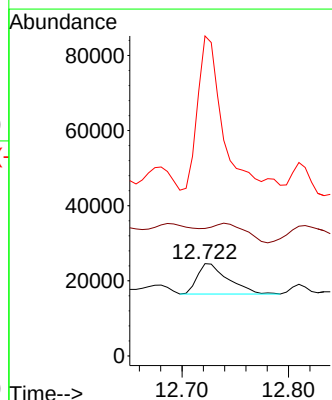
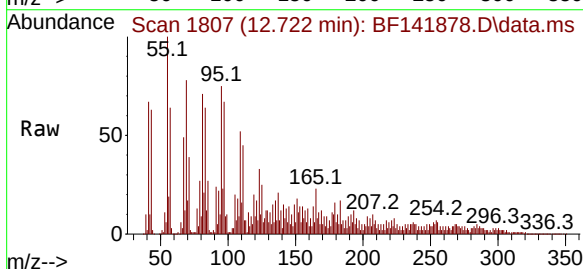
Tgt Ion:184 Resp: 16238

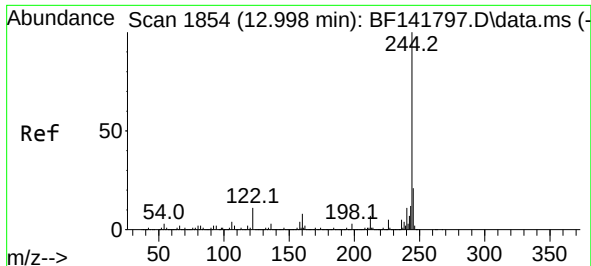
Ion Ratio Lower Upper

184 100

185 138.1 11.6 17.4#

183 346.5 9.4 14.0#

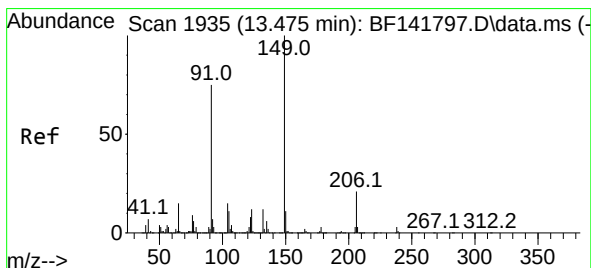
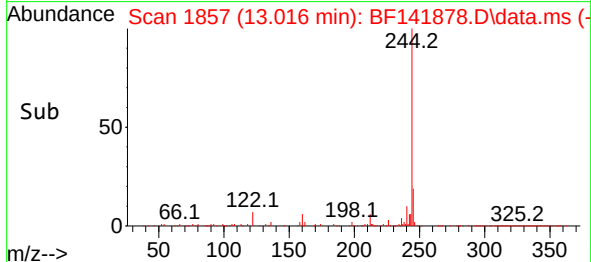
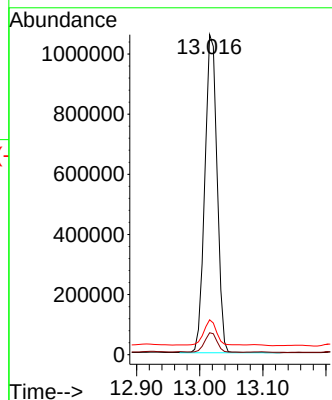
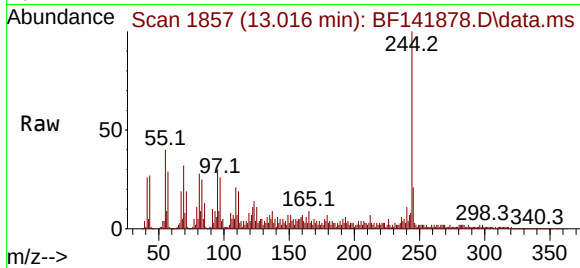




#79
Terphenyl-d14
Concen: 54.668 ng
RT: 13.016 min Scan# 1857
Delta R.T. 0.018 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

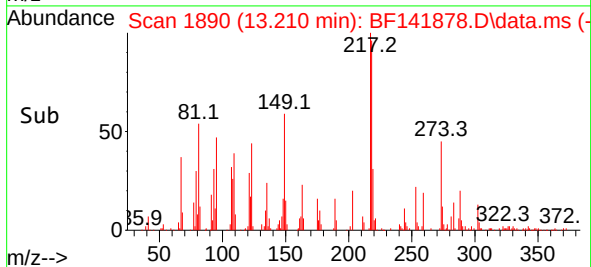
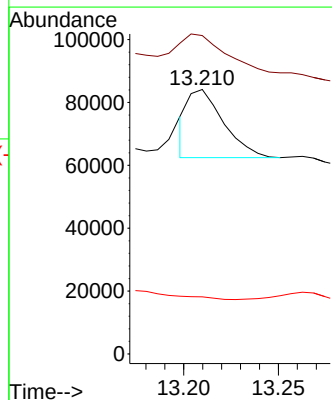
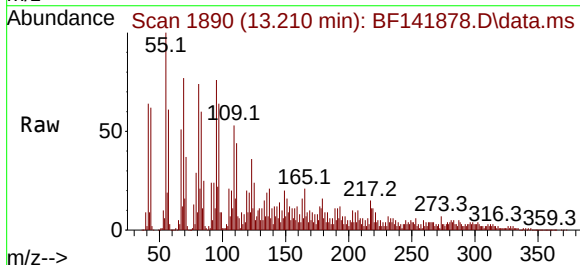
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

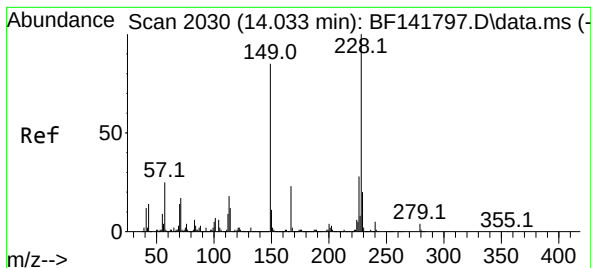
Tgt Ion:244 Resp: 1423045
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 10.9 9.0 13.6



#80
Butylbenzylphthalate
Concen: 2.146 ng
RT: 13.210 min Scan# 1890
Delta R.T. -0.265 min
Lab File: BF141878.D
Acq: 06 Mar 2025 19:58

Tgt Ion:149 Resp: 28434
Ion Ratio Lower Upper
149 100
91 120.4 60.1 90.1#
206 21.6 16.8 25.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.518 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

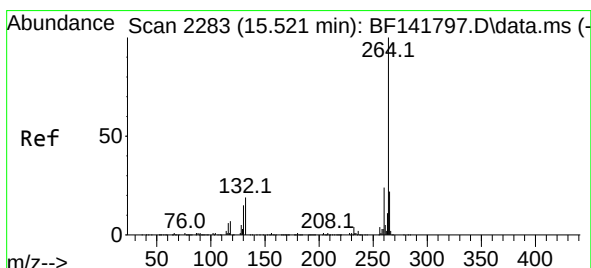
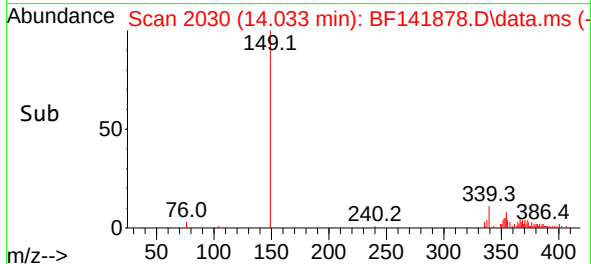
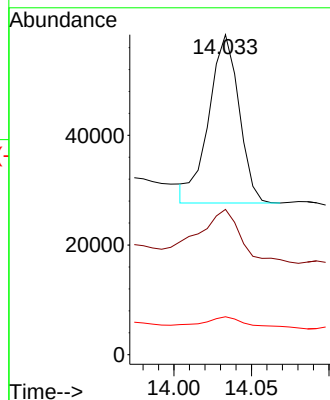
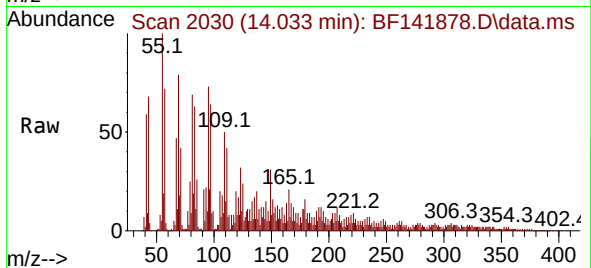
Tgt Ion:149 Resp: 41550

Ion Ratio Lower Upper

149 100

167 45.4 21.2 31.8#

279 11.8 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.000 min

Lab File: BF141878.D

Acq: 06 Mar 2025 19:58

Tgt Ion:264 Resp: 438270

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.0 17.4 26.0

