

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140803.D
 Acq On : 10 Dec 2024 13:39
 Operator : RC/JU
 Sample : P5112-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILDL

Quant Time: Dec 10 15:02:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

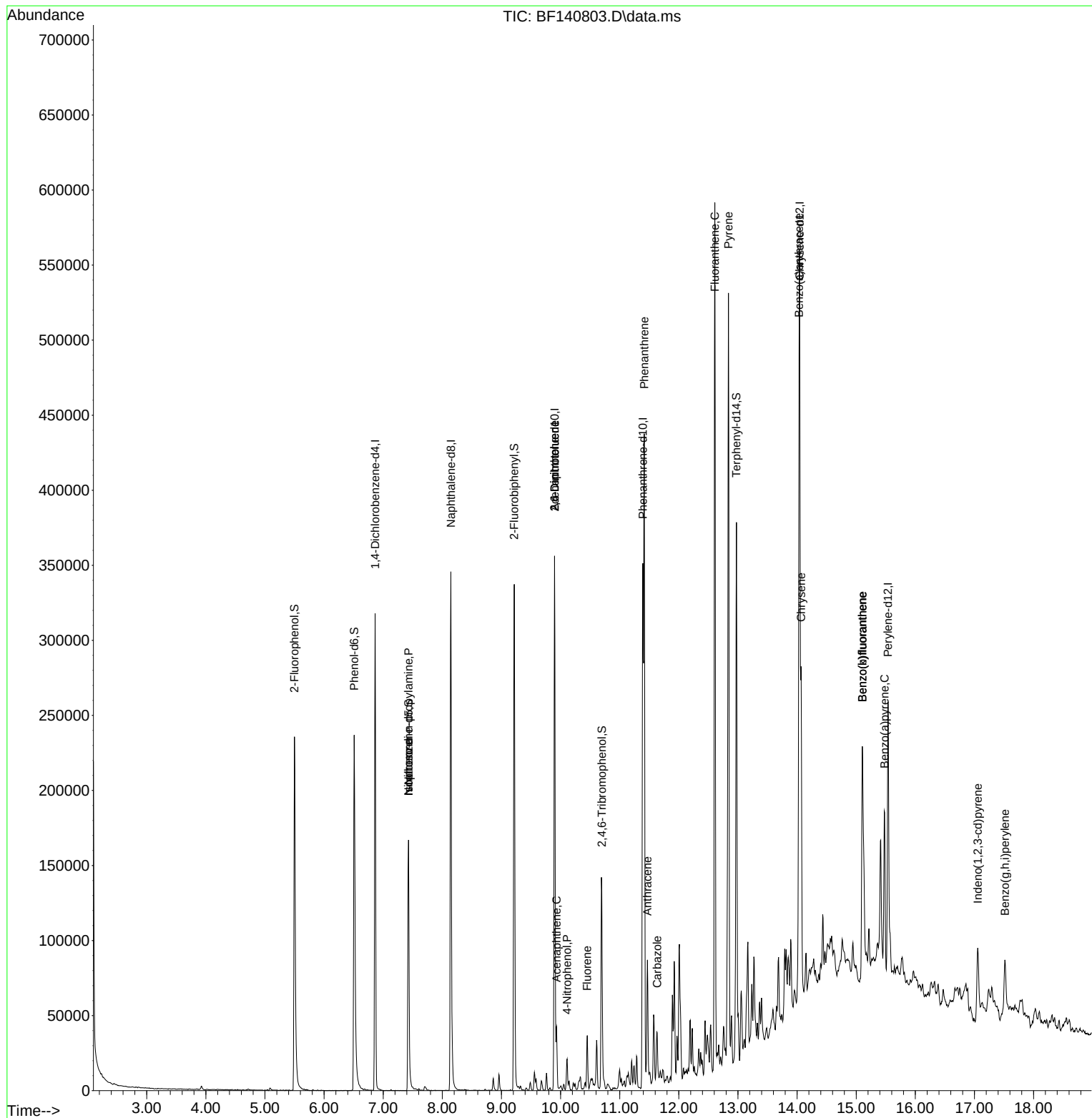
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	68741	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	236146	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	108860	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	190136	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	160012	20.000	ng	0.00
86) Perylene-d12	15.539	264	109017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	114847	28.506	ng	0.00
7) Phenol-d6	6.510	99	148610	27.901	ng	0.00
23) Nitrobenzene-d5	7.428	82	87138	18.874	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	25723	22.094	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	157561	21.565	ng	-0.02
79) Terphenyl-d14	12.974	244	168319	16.380	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	11597	3.684	ng	# 75
25) Isophorone	7.428	82	87138	11.316	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14260	8.770	ng	# 19
52) Acenaphthene	9.933	154	13482	2.280	ng	96
56) 4-Nitrophenol	10.110	139	4877	4.497	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	14260	6.599	ng	# 17
58) Fluorene	10.451	166	15363	2.122	ng	98
71) Phenanthrene	11.416	178	232795	25.471	ng	98
72) Anthracene	11.469	178	53953	6.035	ng	98
73) Carbazole	11.633	167	18987	2.208	ng	97
75) Fluoranthene	12.610	202	328327	33.086	ng	99
78) Pyrene	12.839	202	300194	20.290	ng	99
81) Benzo(a)anthracene	14.033	228	147528	13.928	ng	98
83) Chrysene	14.068	228	111233	11.485	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	33442	4.707	ng	97
88) Benzo(b)fluoranthene	15.104	252	137676	20.106	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	137676	22.976	ng	# 97
90) Benzo(a)pyrene	15.480	252	67792	12.176	ng	# 97
92) Benzo(g,h,i)perylene	17.515	276	34217	5.763	ng	# 94

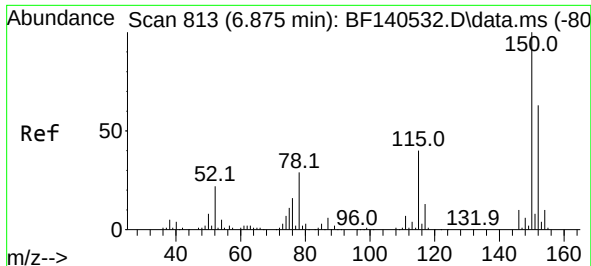
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
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Quant Time: Dec 10 15:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

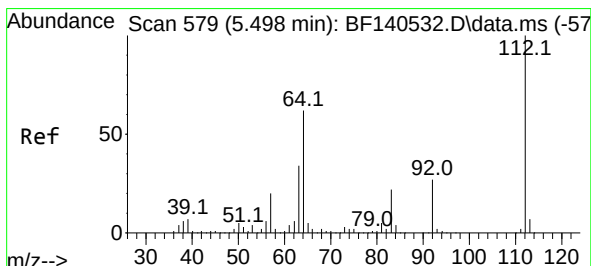
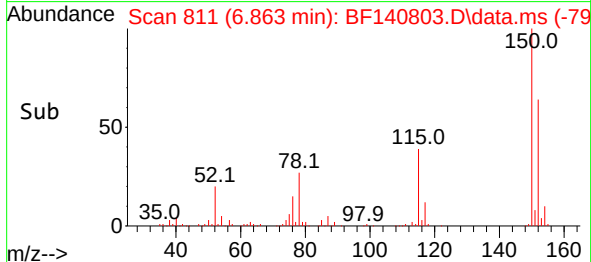
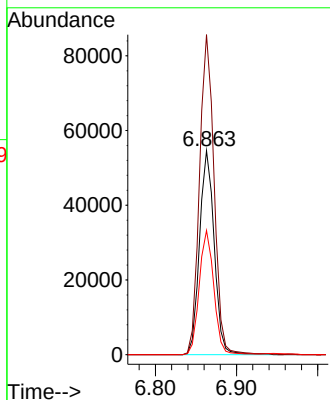
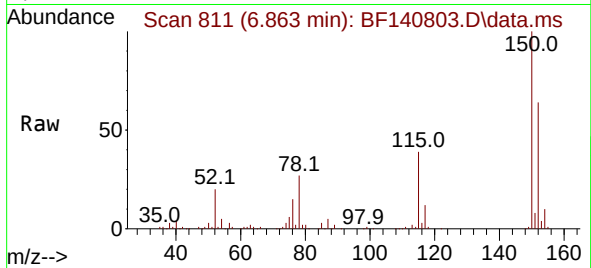




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

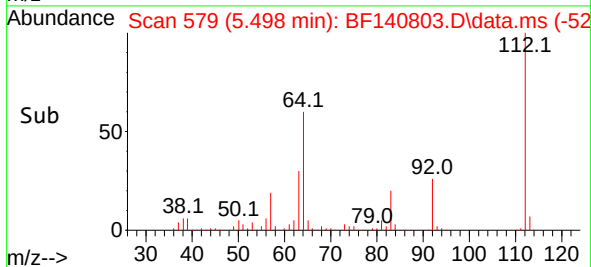
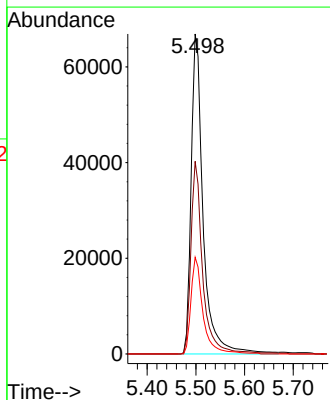
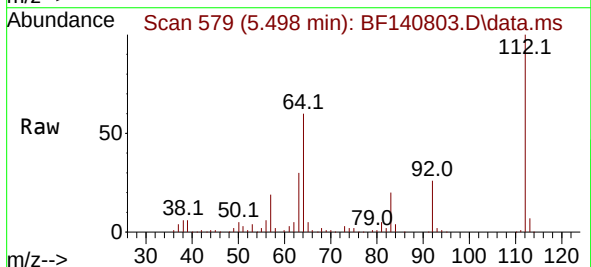
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

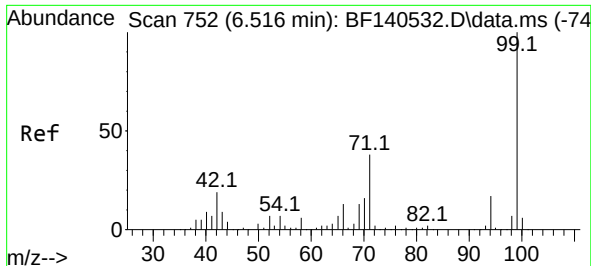
Tgt Ion:152 Resp: 68741
Ion Ratio Lower Upper
152 100
150 156.8 128.5 192.7
115 60.9 50.2 75.4



#5
2-Fluorophenol
Concen: 28.506 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:112 Resp: 114847
Ion Ratio Lower Upper
112 100
64 60.2 49.2 73.8
63 30.2 27.0 40.4

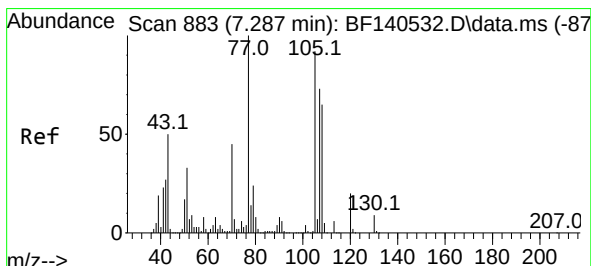
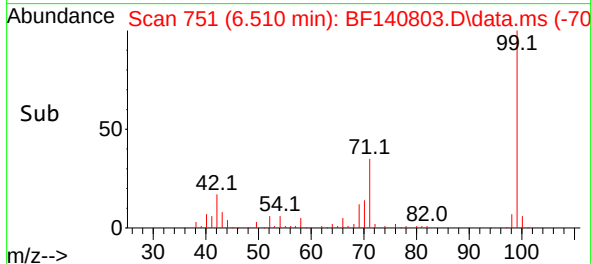
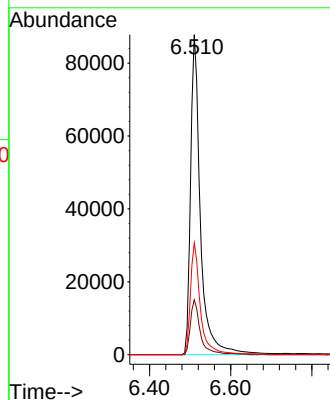
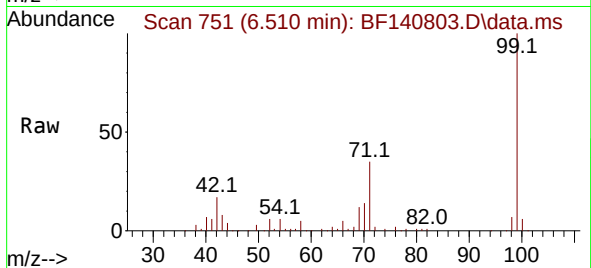




#7
Phenol-d6
Concen: 27.901 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

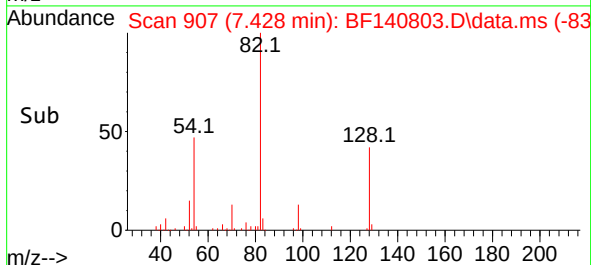
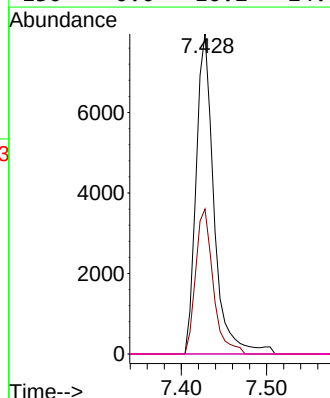
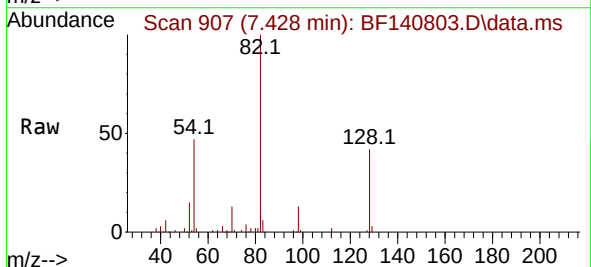
Instrument :
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ClientSampleId :
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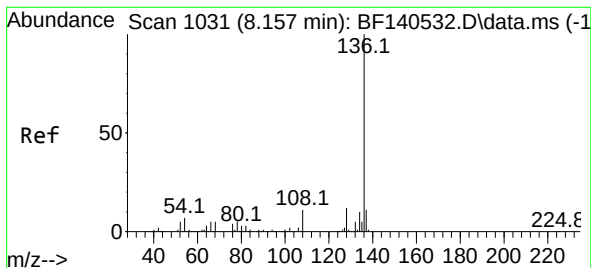
Tgt Ion: 99 Resp: 148610
Ion Ratio Lower Upper
99 100
42 17.2 15.4 23.0
71 34.9 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 3.684 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion: 70 Resp: 11597
Ion Ratio Lower Upper
70 100
42 45.3 47.6 71.4#
101 0.0 7.6 11.4#
130 0.0 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1031

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

Tgt Ion:136 Resp: 236146

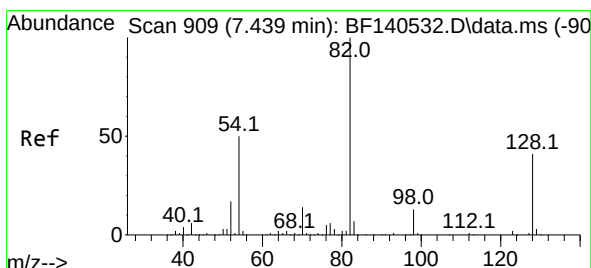
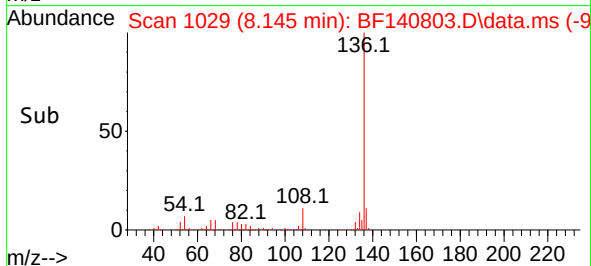
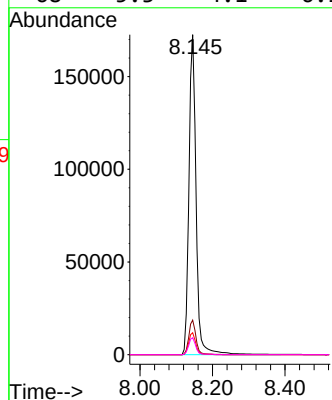
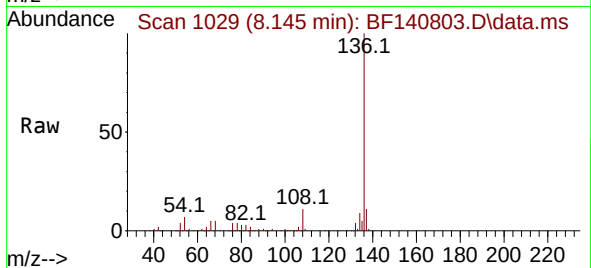
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.9 5.8 8.8

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 18.874 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

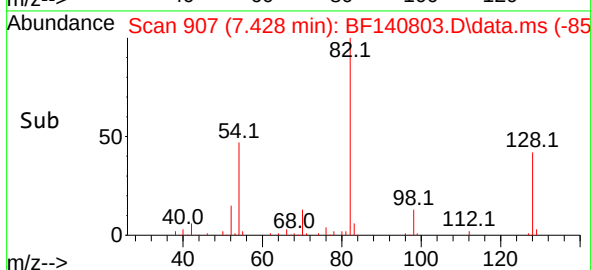
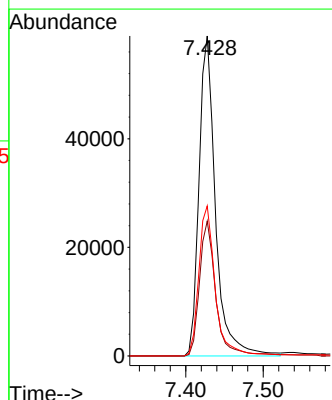
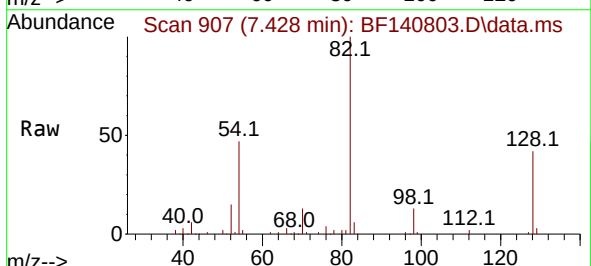
Tgt Ion: 82 Resp: 87138

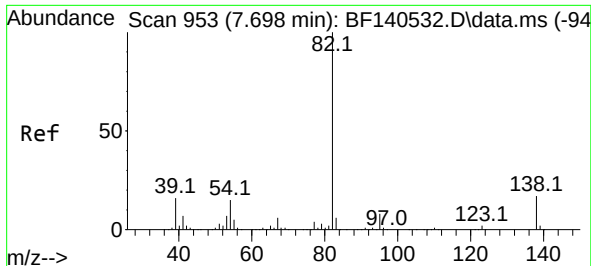
Ion Ratio Lower Upper

82 100

128 42.1 33.0 49.4

54 46.9 39.5 59.3

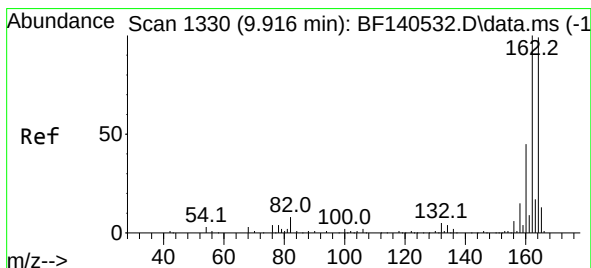
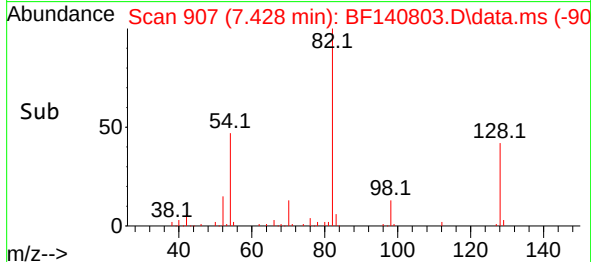
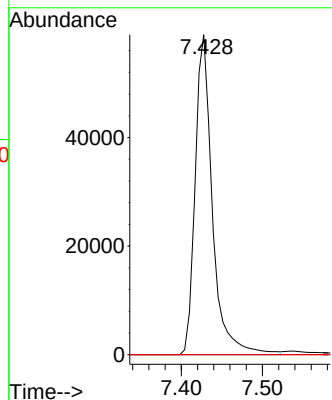
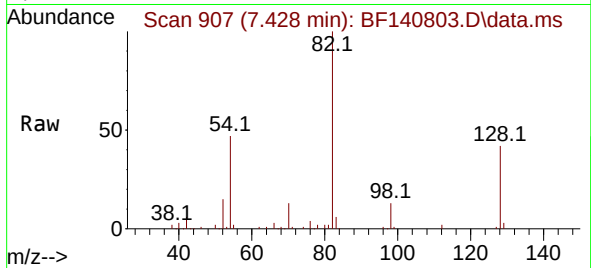




#25
Isophorone
Concen: 11.316 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

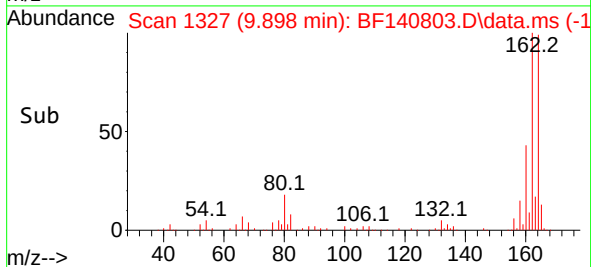
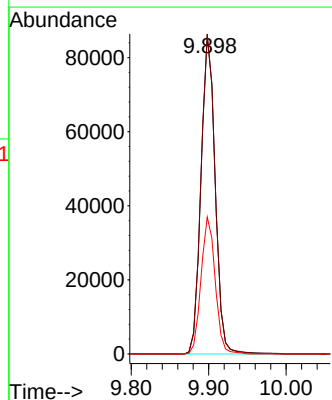
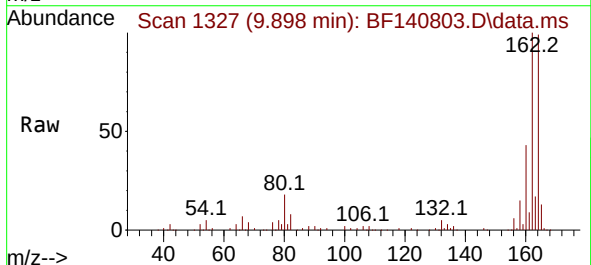
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

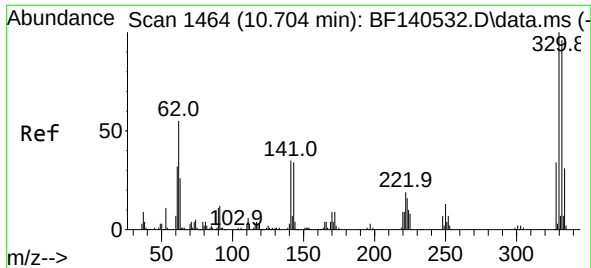
Tgt Ion: 82 Resp: 87138
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:164 Resp: 108860
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 43.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 22.094 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

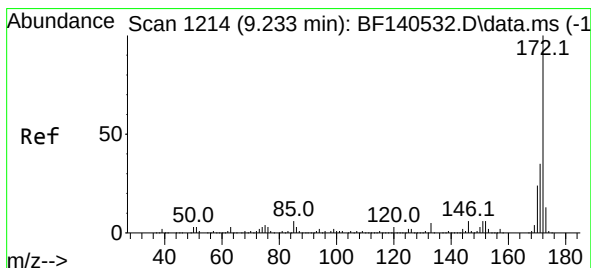
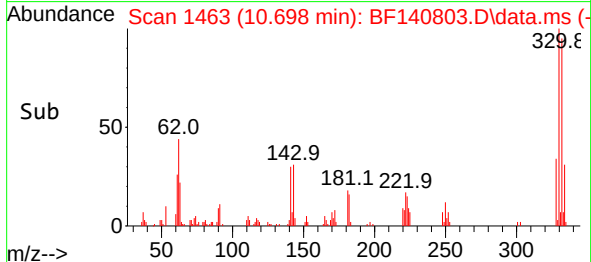
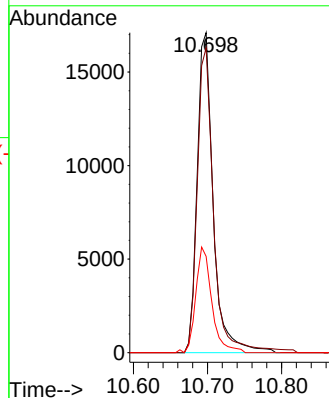
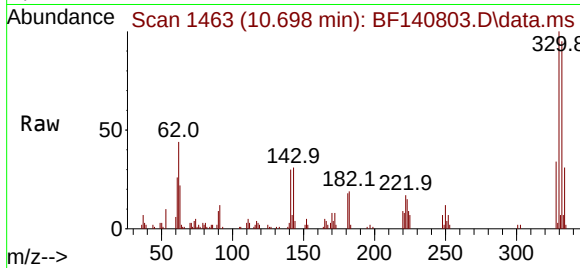
Tgt Ion:330 Resp: 25723

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

141 33.0 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 21.565 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

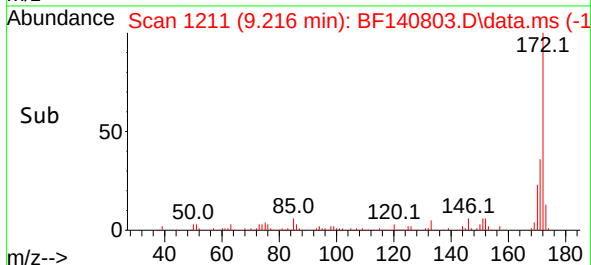
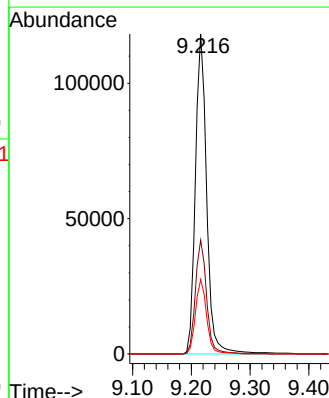
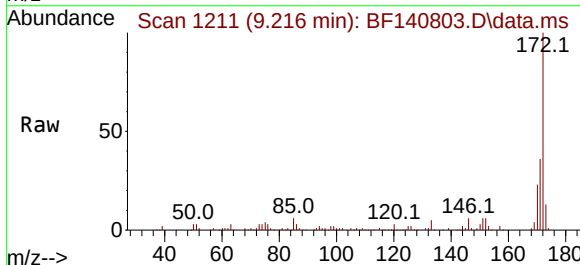
Tgt Ion:172 Resp: 157561

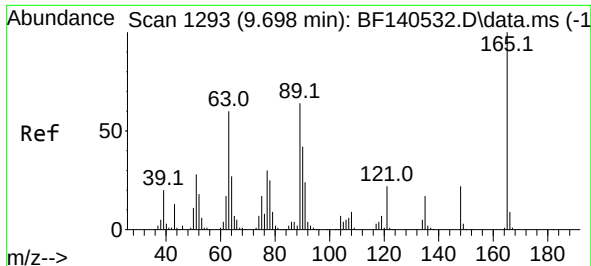
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.3 19.0 28.6

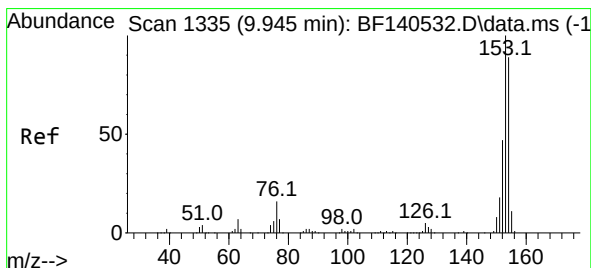
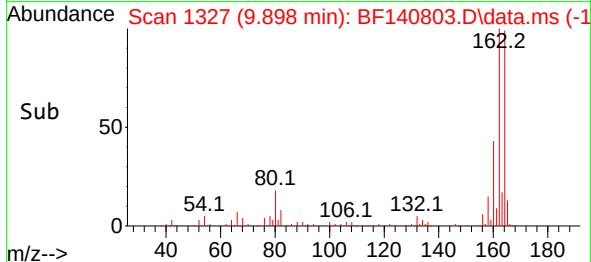
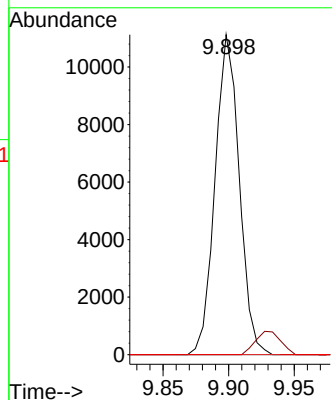
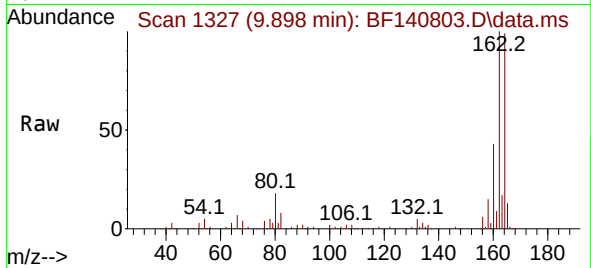




#51
2,6-Dinitrotoluene
Concen: 8.770 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

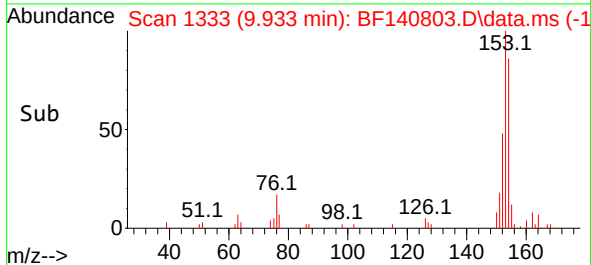
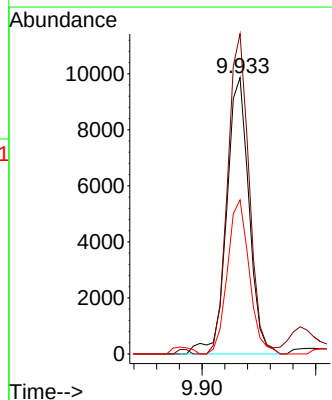
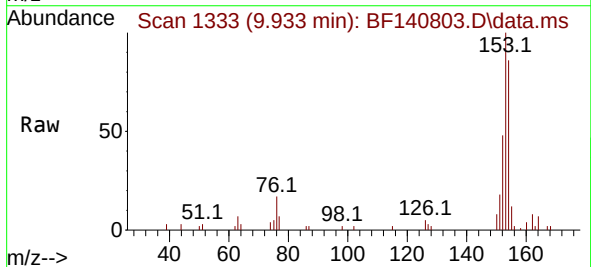
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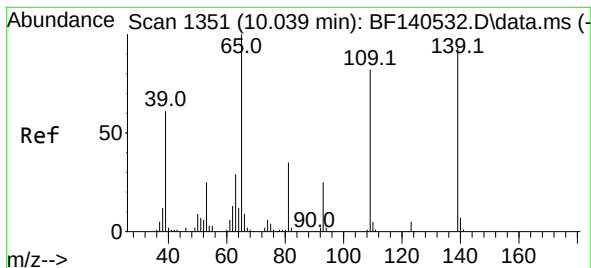
Tgt Ion:165 Resp: 14260
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 0.0 50.9 76.3#



#52
Acenaphthene
Concen: 2.280 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:154 Resp: 13482
Ion Ratio Lower Upper
154 100
153 115.8 89.7 134.5
152 55.7 42.5 63.7

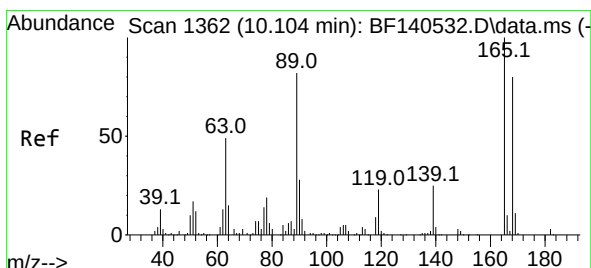
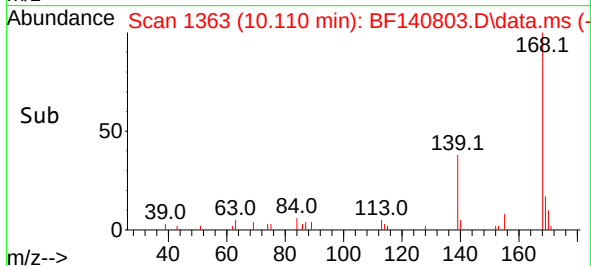
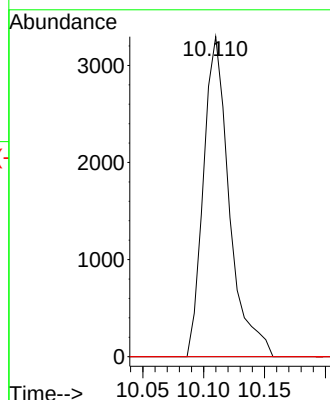
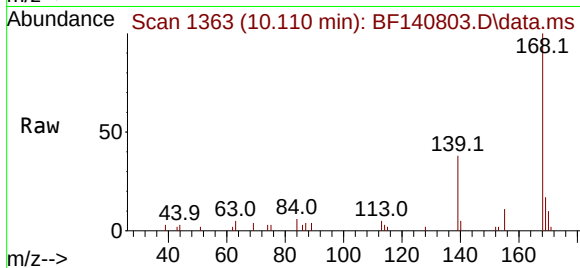




#56
4-Nitrophenol
Concen: 4.497 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

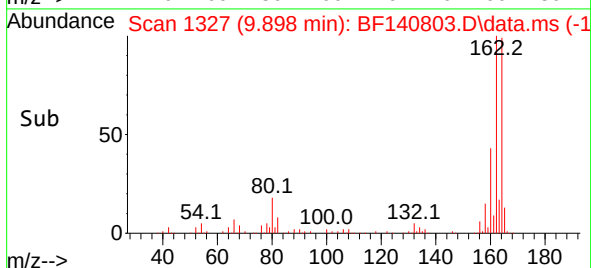
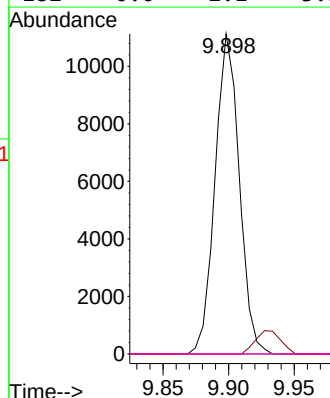
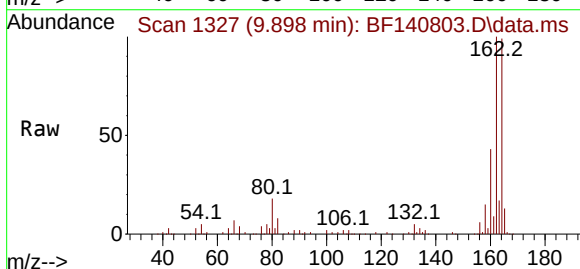
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

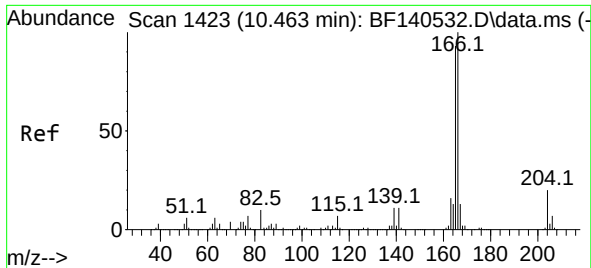
Tgt Ion:139 Resp: 4877
Ion Ratio Lower Upper
139 100
109 0.0 68.4 108.4#
65 0.0 88.6 128.6#



#57
2,4-Dinitrotoluene
Concen: 6.599 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.206 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

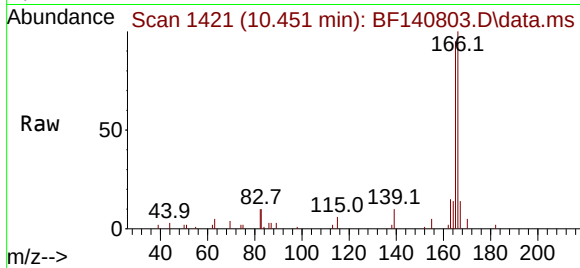
Tgt Ion:165 Resp: 14260
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#



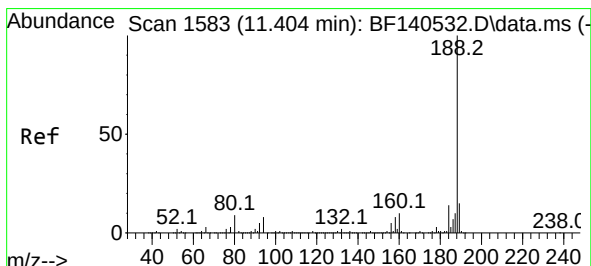
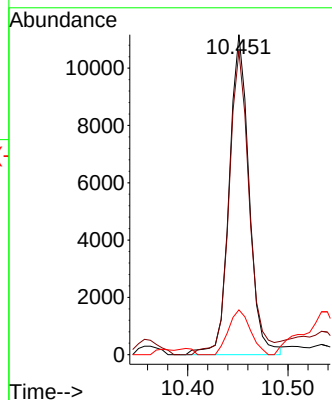
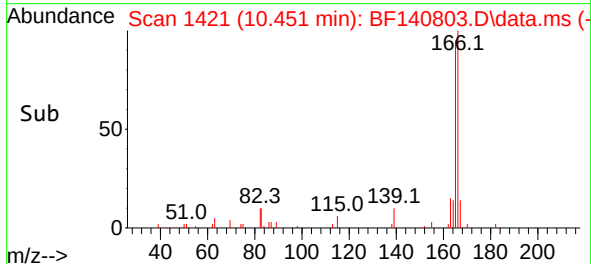


#58
Fluorene
Concen: 2.122 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

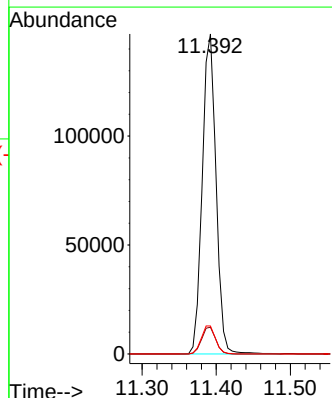
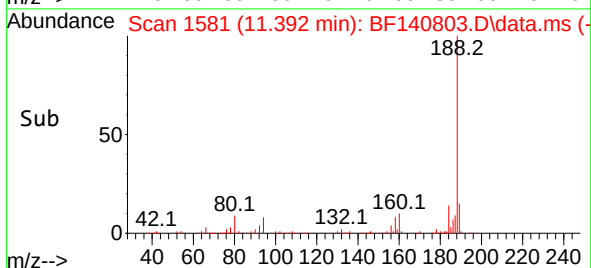
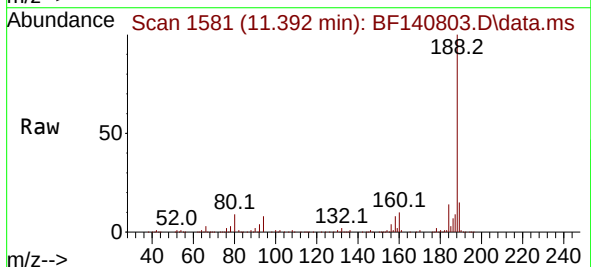


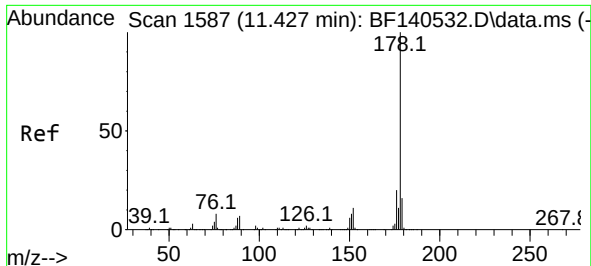
Tgt Ion:166 Resp: 15363
Ion Ratio Lower Upper
166 100
165 94.9 74.6 111.8
167 14.0 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:188 Resp: 190136
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.7 6.9 10.3

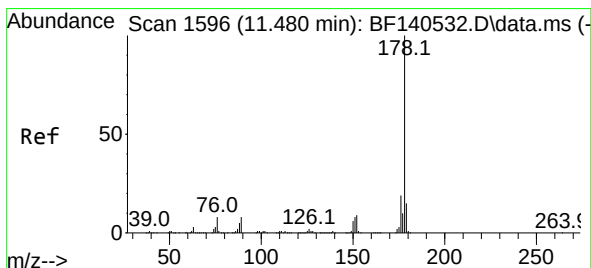
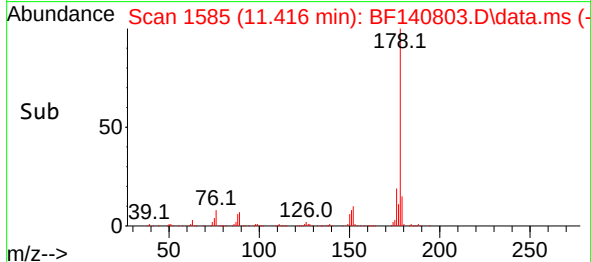
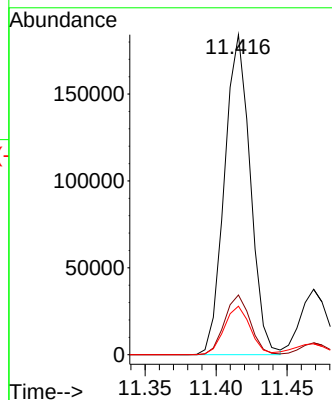
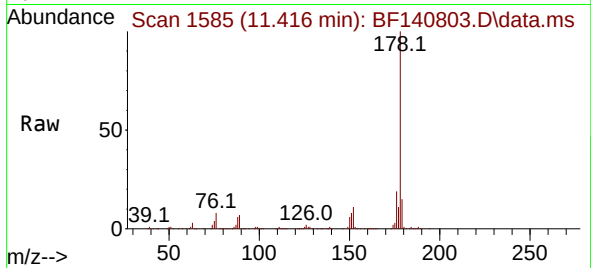




#71
Phenanthrene
Concen: 25.471 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

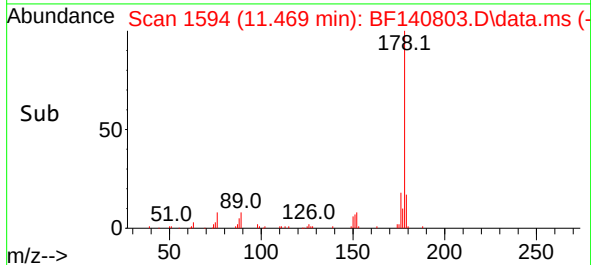
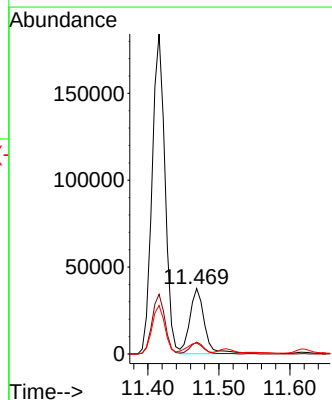
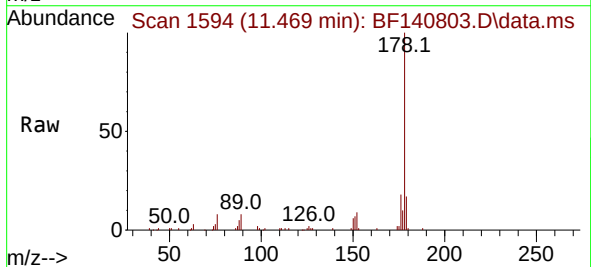
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

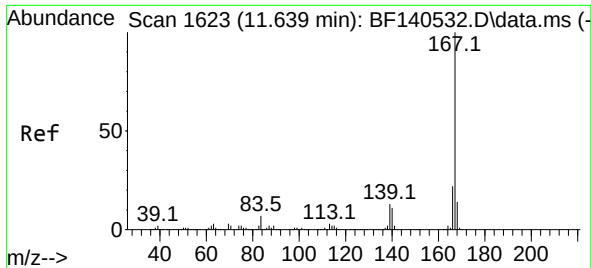
Tgt Ion:178 Resp: 232795
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.2 12.4 18.6



#72
Anthracene
Concen: 6.035 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:178 Resp: 53953
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 16.5 12.2 18.4

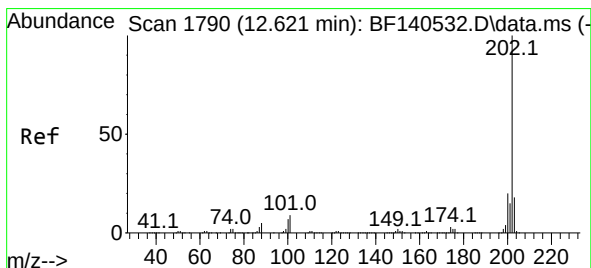
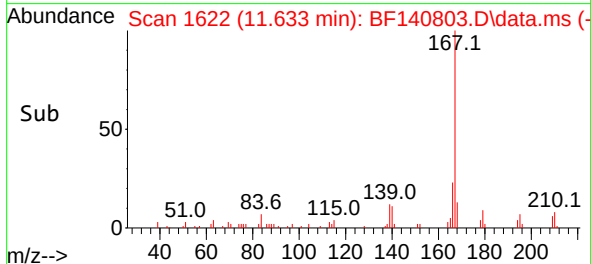
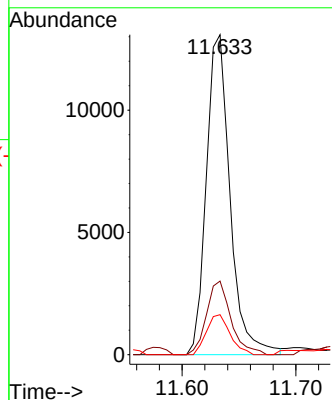
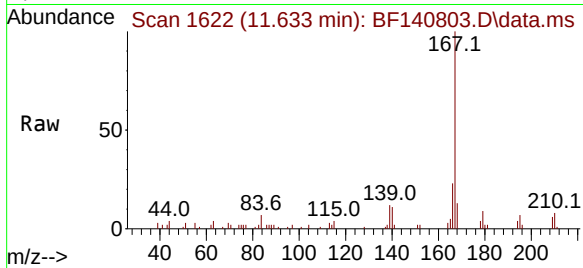




#73
 Carbazole
 Concen: 2.208 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140803.D
 Acq: 10 Dec 2024 13:39

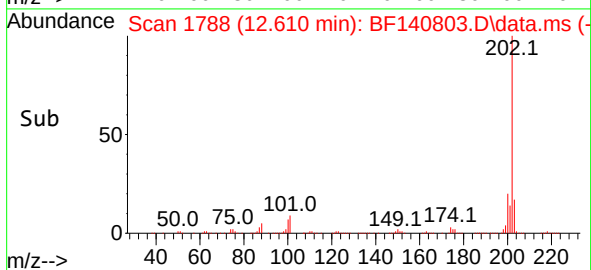
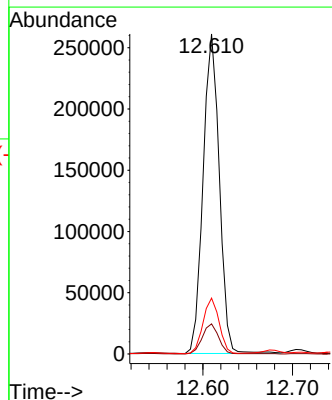
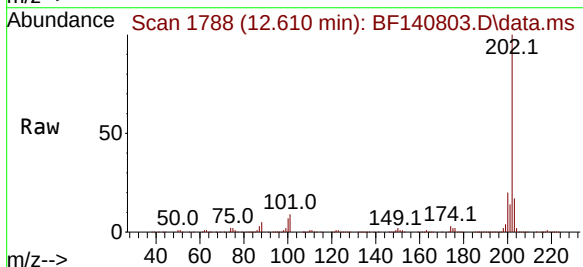
Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILDL

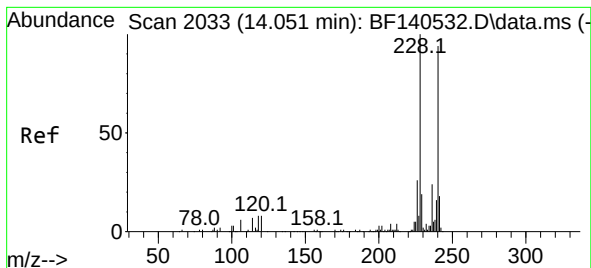
Tgt Ion:167 Resp: 18987
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.2 25.8
 139 12.5 10.6 15.8



#75
 Fluoranthene
 Concen: 33.086 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.012 min
 Lab File: BF140803.D
 Acq: 10 Dec 2024 13:39

Tgt Ion:202 Resp: 328327
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 28.9
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

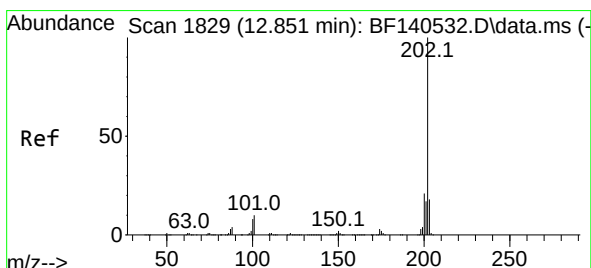
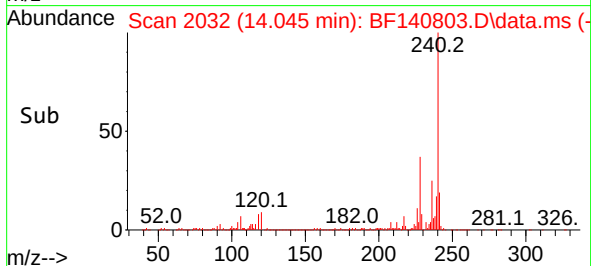
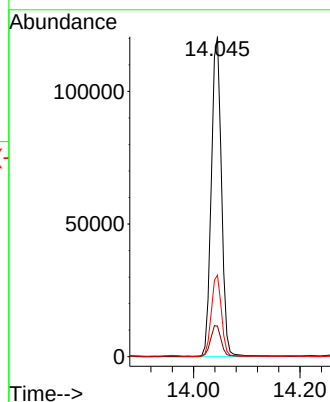
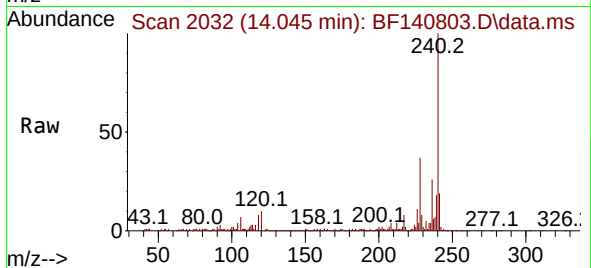
Tgt Ion:240 Resp: 160012

Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

236 25.5 20.6 31.0



#78

Pyrene

Concen: 20.290 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

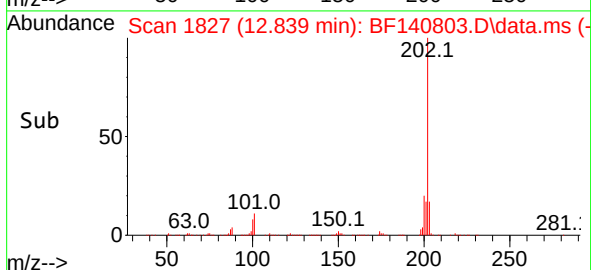
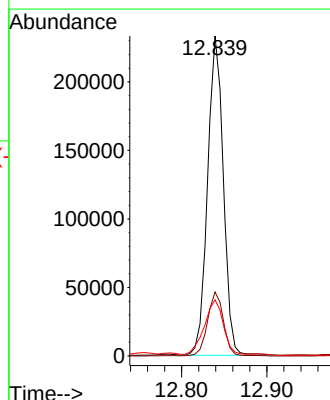
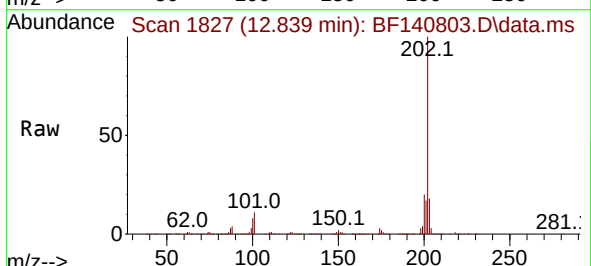
Tgt Ion:202 Resp: 300194

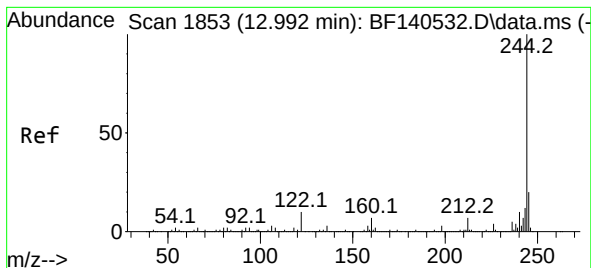
Ion Ratio Lower Upper

202 100

200 20.0 16.5 24.7

203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 16.380 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

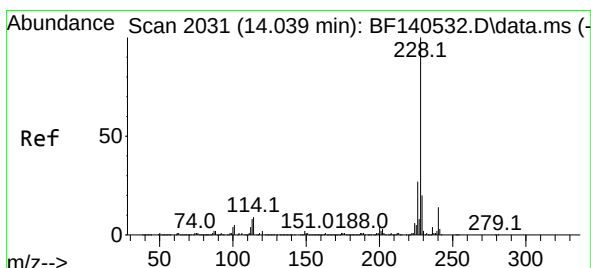
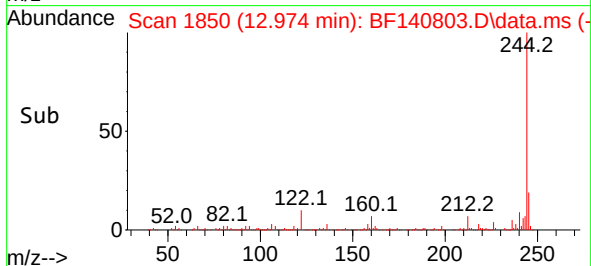
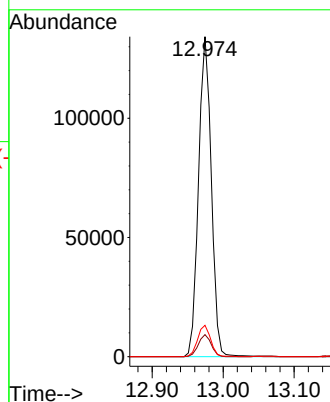
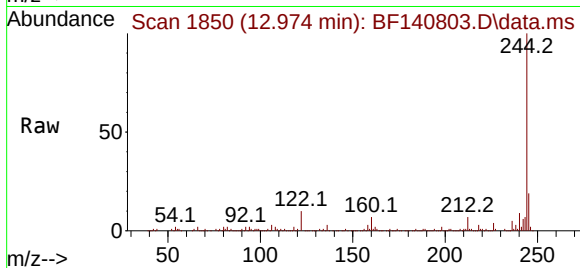
Tgt Ion:244 Resp: 168319

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 9.8 8.0 12.0



#81

Benzo(a)anthracene

Concen: 13.928 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

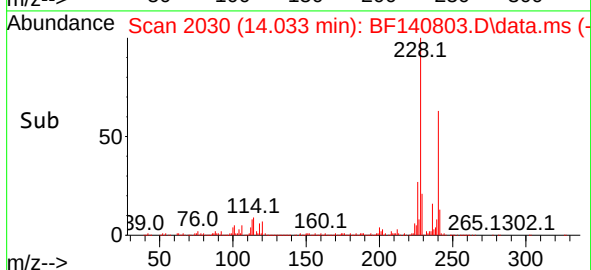
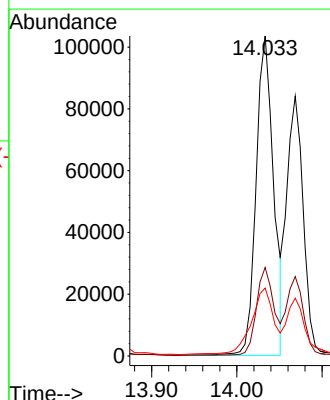
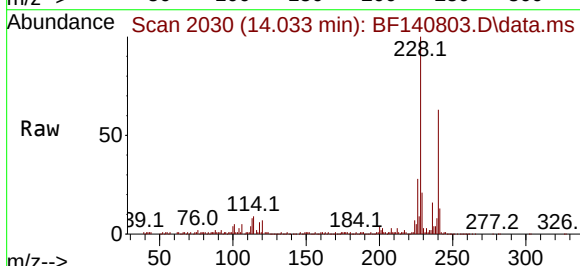
Tgt Ion:228 Resp: 147528

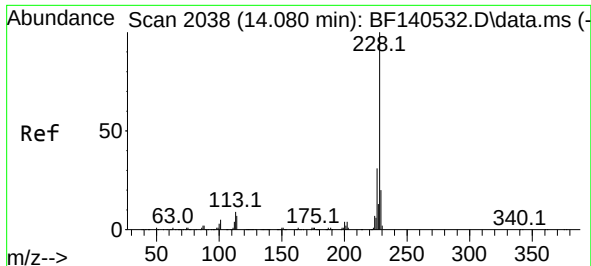
Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

229 21.2 15.8 23.6

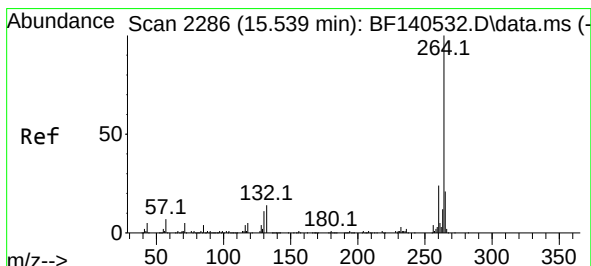
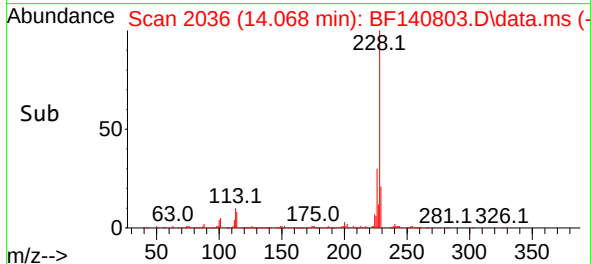
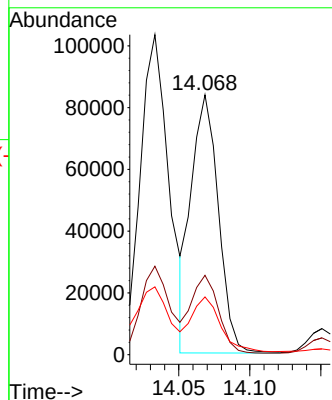
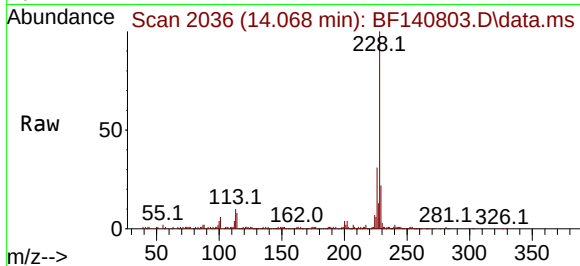




#83
Chrysene
Concen: 11.485 ng
RT: 14.068 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

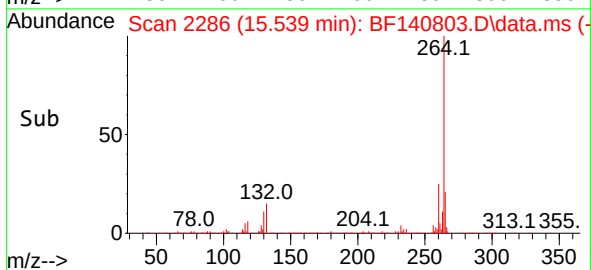
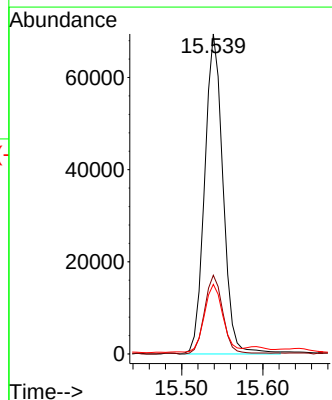
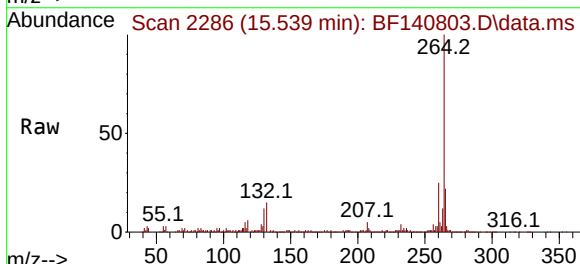
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

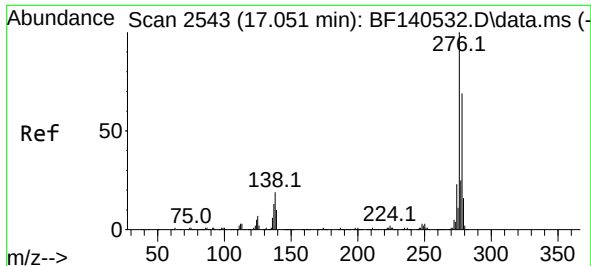
Tgt Ion:228 Resp: 111233
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 22.2 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:264 Resp: 109017
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 21.7 16.6 25.0

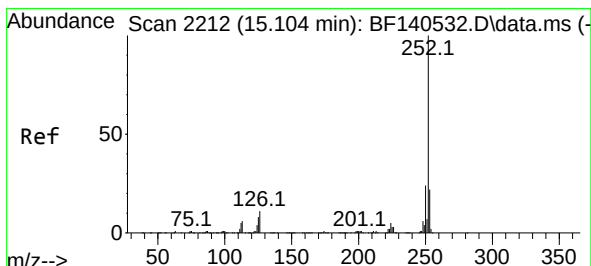
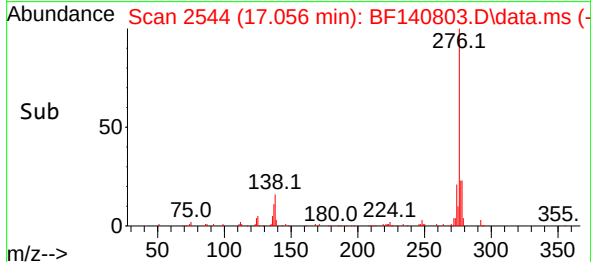
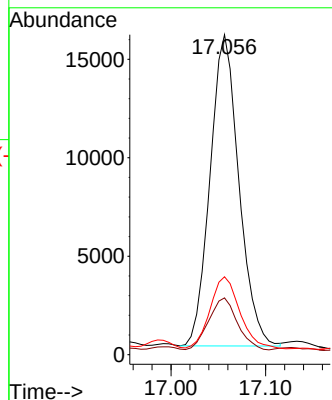
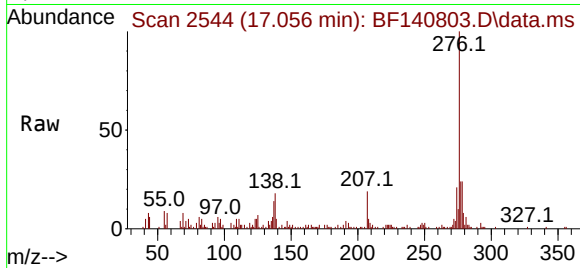




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.707 ng
 RT: 17.056 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF140803.D
 Acq: 10 Dec 2024 13:39

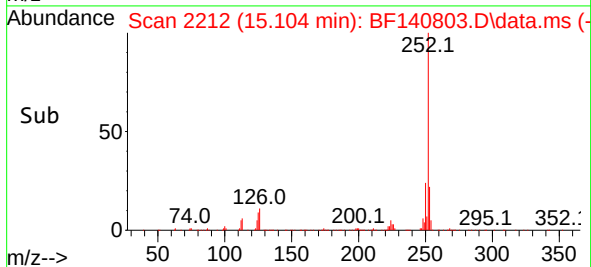
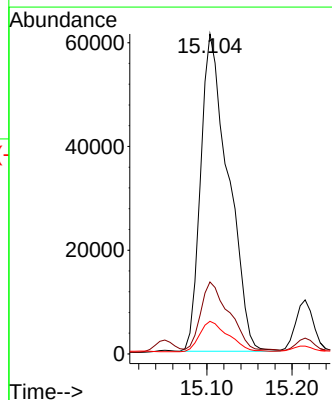
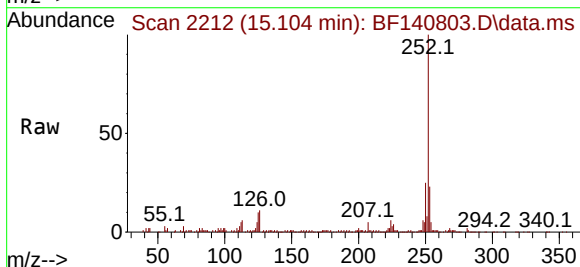
Instrument :
 BNA_F
 ClientSampleId :
 10TH-ST-SOILDL

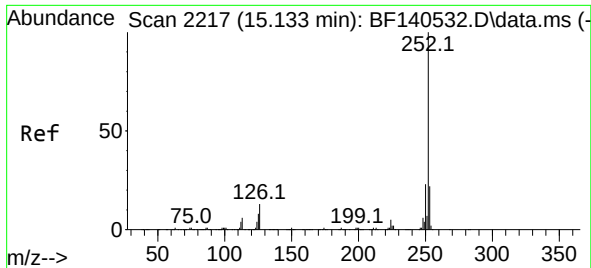
Tgt Ion:276 Resp: 33442
 Ion Ratio Lower Upper
 276 100
 138 17.0 15.5 23.3
 277 24.1 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 20.106 ng
 RT: 15.104 min Scan# 2212
 Delta R.T. -0.000 min
 Lab File: BF140803.D
 Acq: 10 Dec 2024 13:39

Tgt Ion:252 Resp: 137676
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.2 25.8
 125 10.2 6.7 10.1#

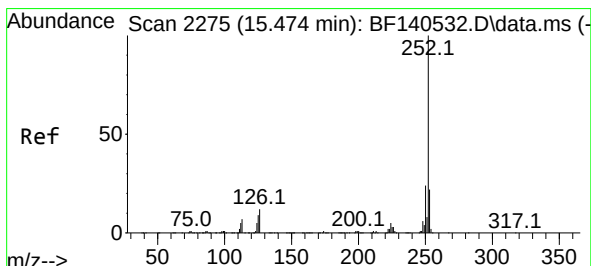
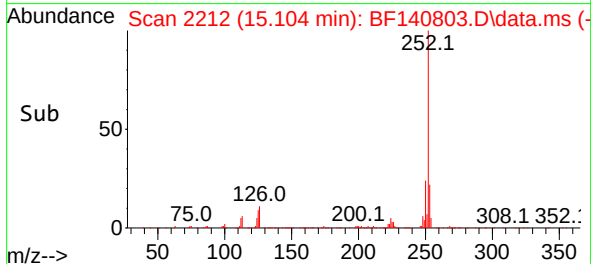
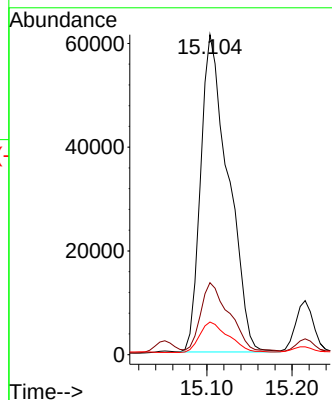
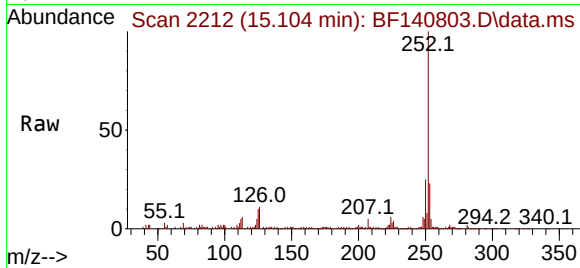




#89
Benzo(k)fluoranthene
Concen: 22.976 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

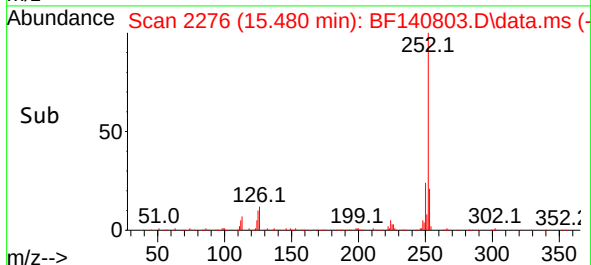
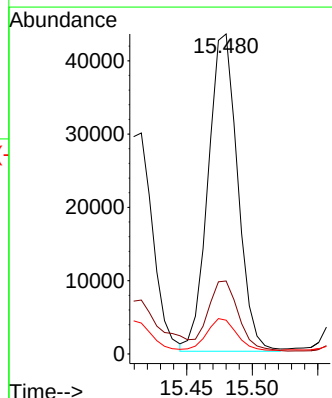
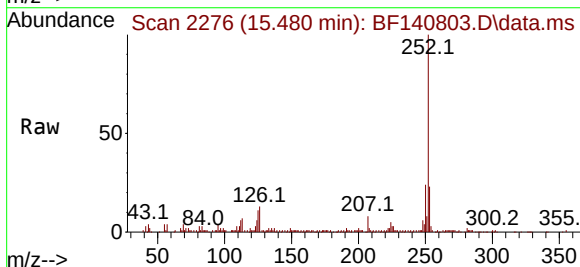
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

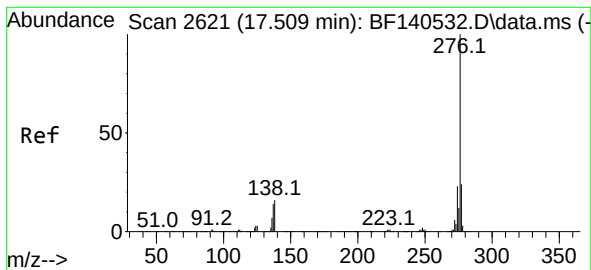
Tgt Ion:252 Resp: 137676
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.2 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 12.176 ng
RT: 15.480 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Tgt Ion:252 Resp: 67792
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 10.6 7.0 10.6#





#92

Benzo(g,h,i)perylene

Concen: 5.763 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF140803.D

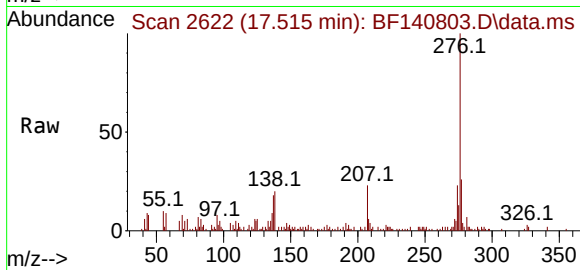
Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL



Tgt Ion:276 Resp: 34217

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 19.9 13.2 19.8#

