

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)

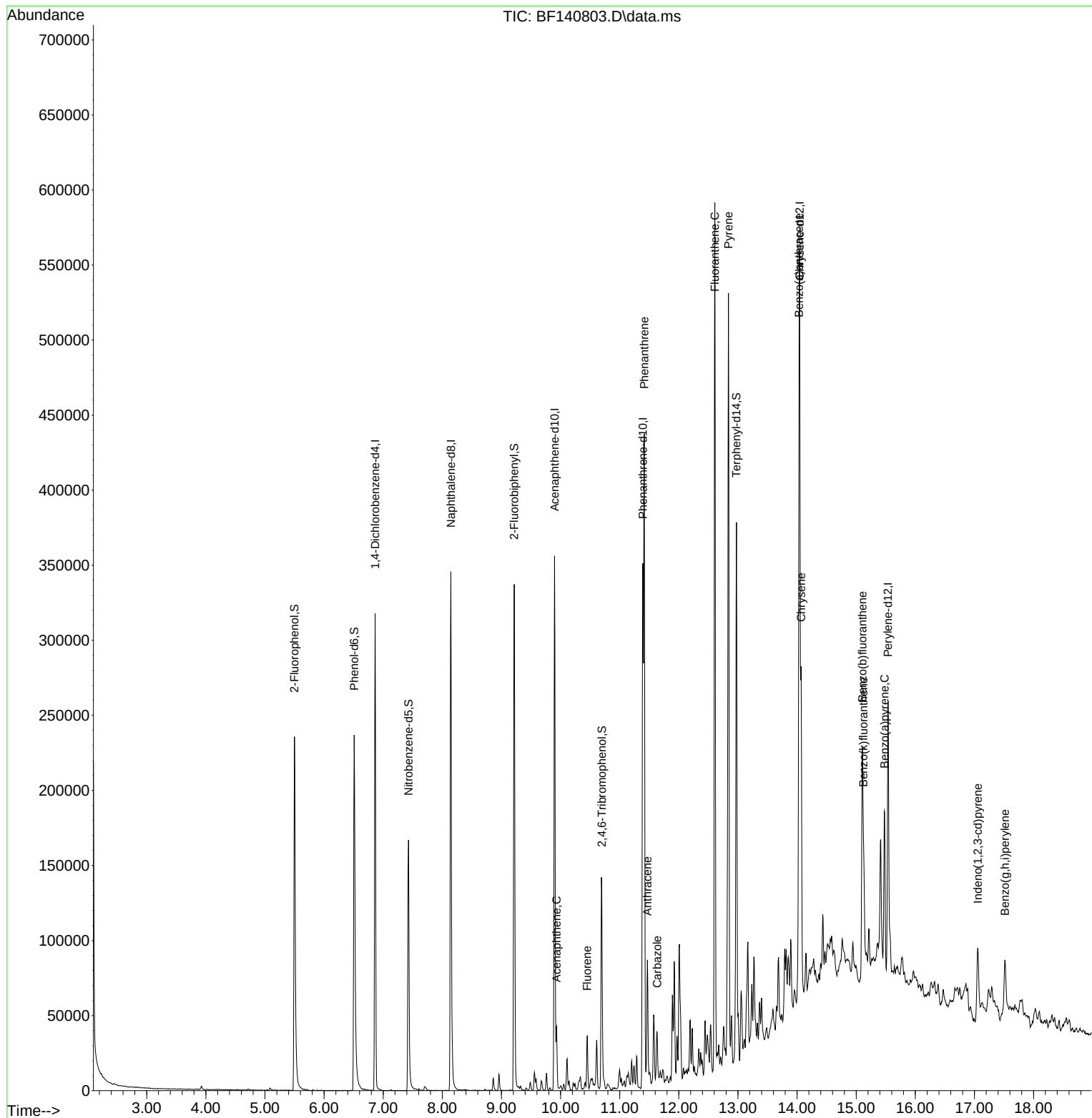
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	68741	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	236146	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	108860	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	190136	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	160012	20.000	ng	0.00
86) Perylene-d12	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
52) Acenaphthene	9.933	154	13482	2.280	ng	96
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	106809m	15.598	ng	
89) Benzo(k)fluoranthene	15.121	252	34353m	5.733	ng	
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

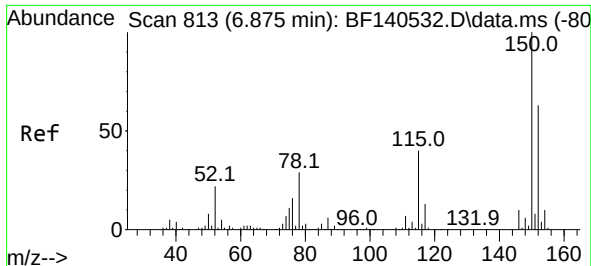
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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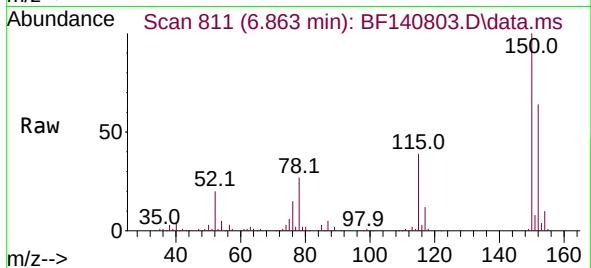
Quant Time: Dec 10 15:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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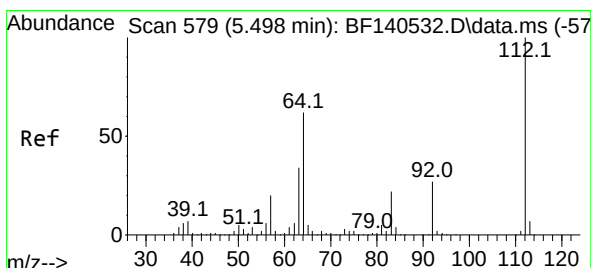
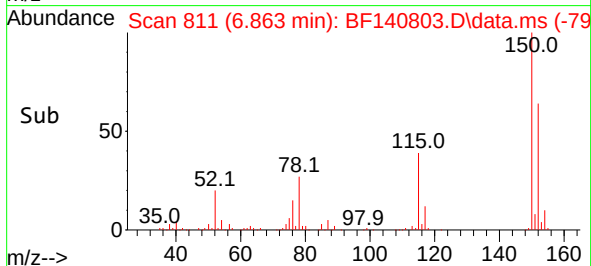
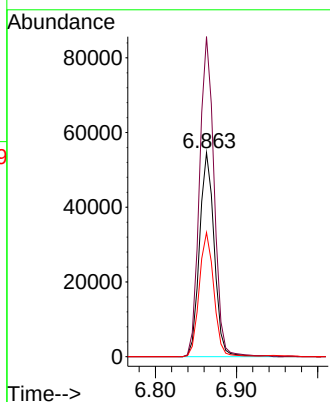


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

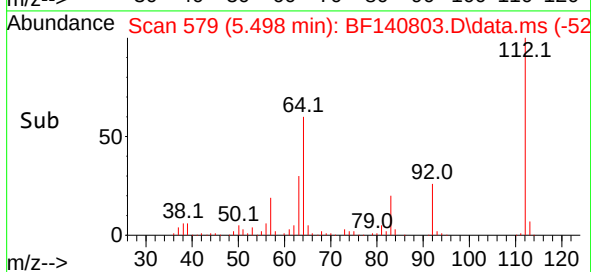
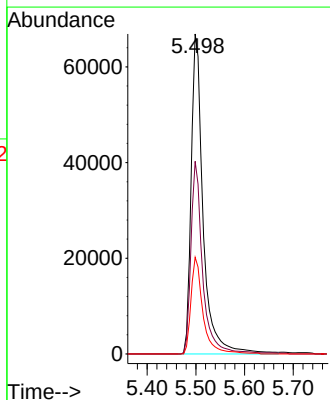
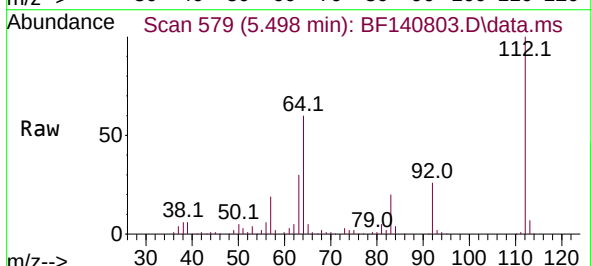


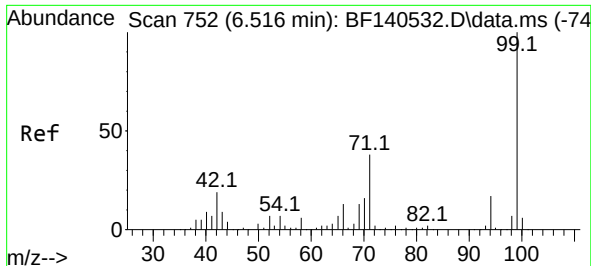
Tgt Ion:152 Resp: 68741
Ion Ratio Lower Upper
152 100
150 156.8 128.5 192.7
115 60.9 50.2 75.4



#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

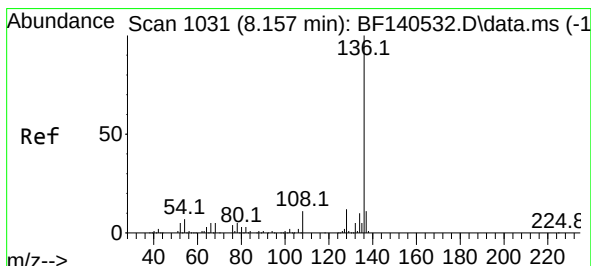
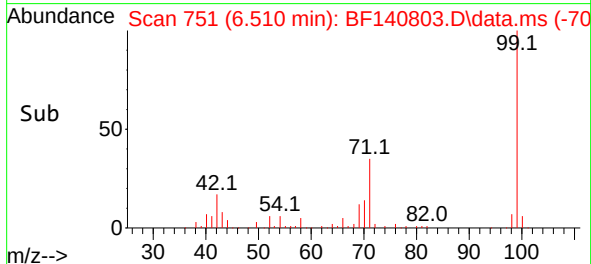
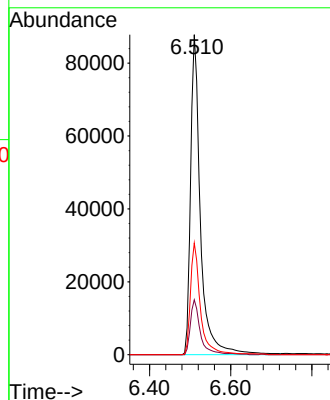
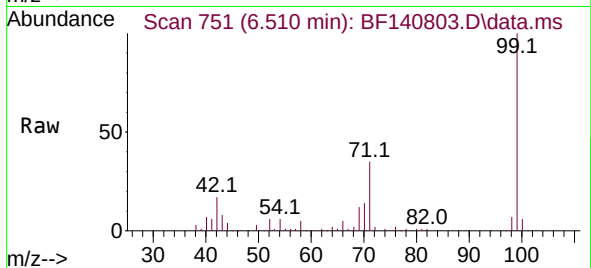




#7
Phenol-d6
Concen: 27.901 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

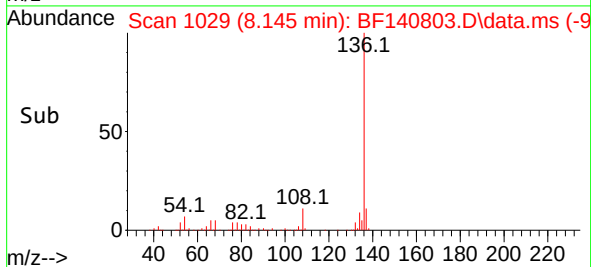
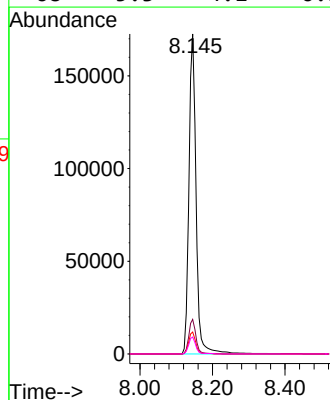
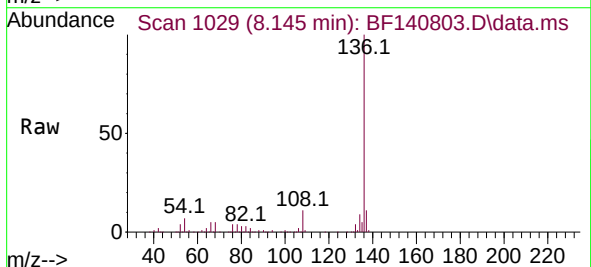
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

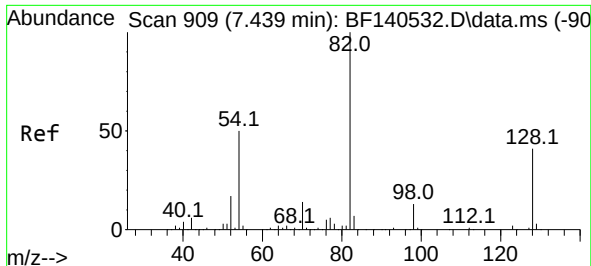
Tgt Ion: 99 Resp: 148610
Ion Ratio Lower Upper
99 100
42 17.2 15.4 23.0
71 34.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

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# 909

Delta R.T. -0.012 min

Lab File: BF140803.D

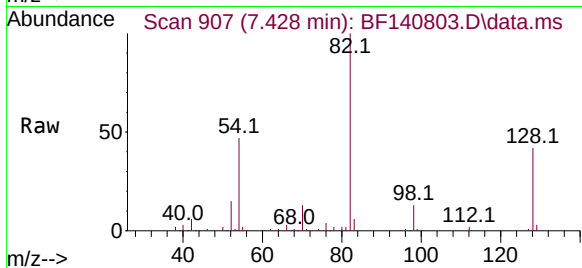
Acq: 10 Dec 2024 13:39

Instrument :

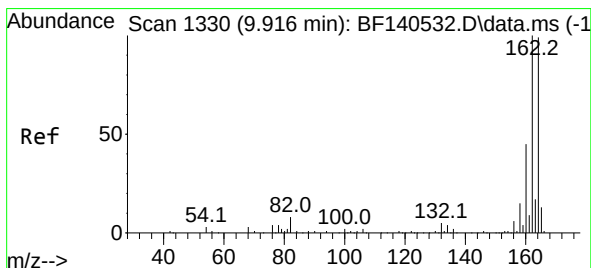
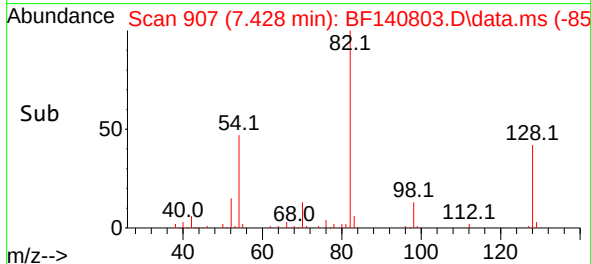
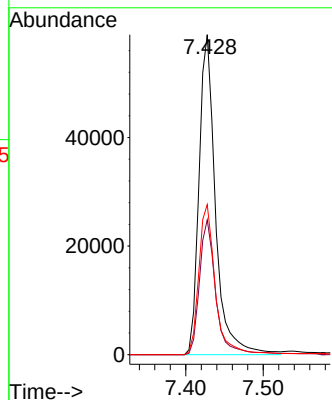
BNA_F

ClientSampleId :

10TH-ST-SOILDL



Tgt Ion:	82	Resp:	87138
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.0	49.4
54	46.9	39.5	59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

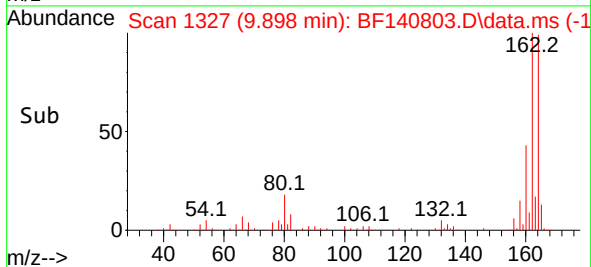
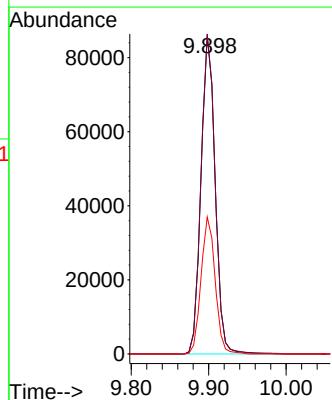
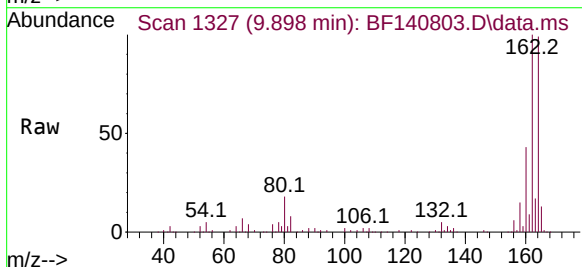
RT: 9.898 min Scan# 1327

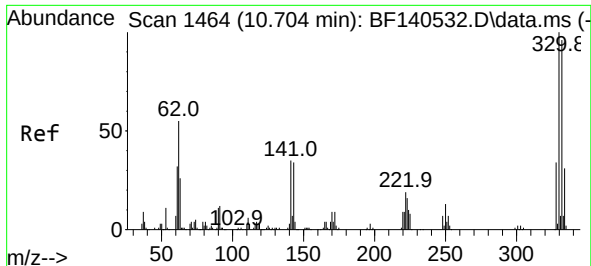
Delta R.T. -0.018 min

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

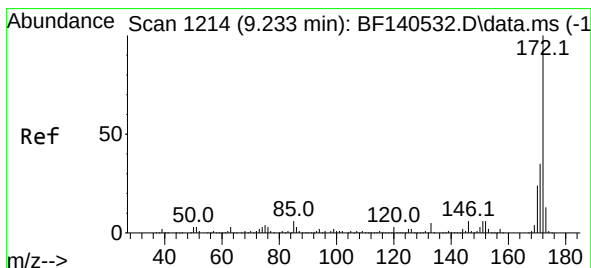
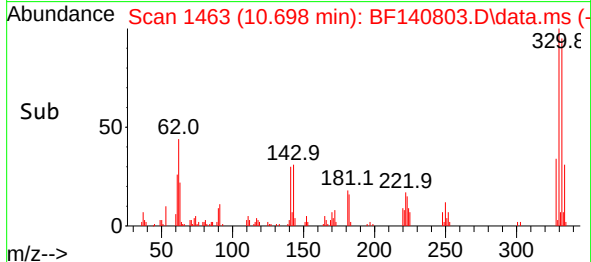
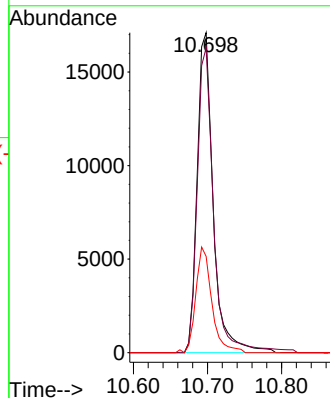
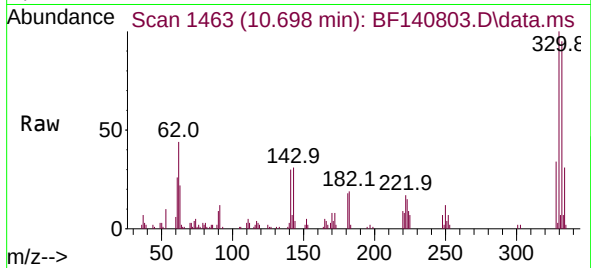
Tgt Ion:330 Resp: 25723

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

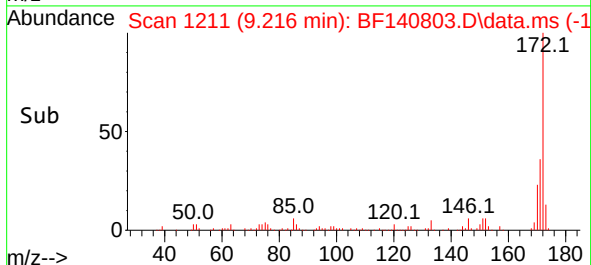
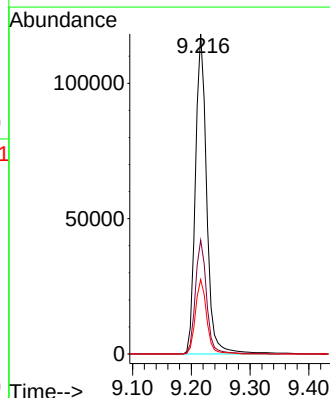
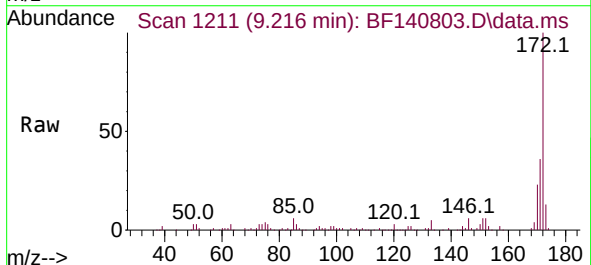
Tgt Ion:172 Resp: 157561

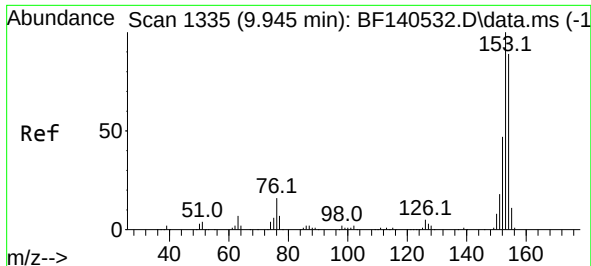
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.3 19.0 28.6

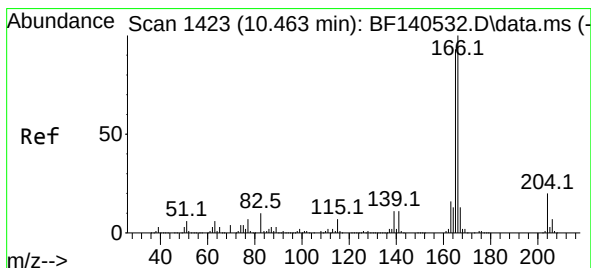
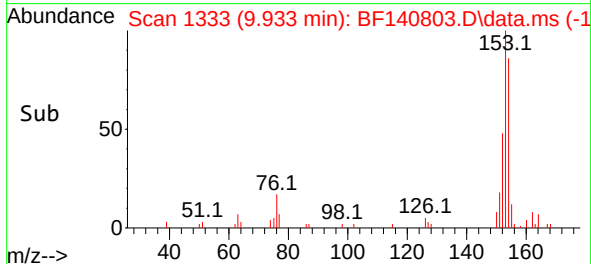
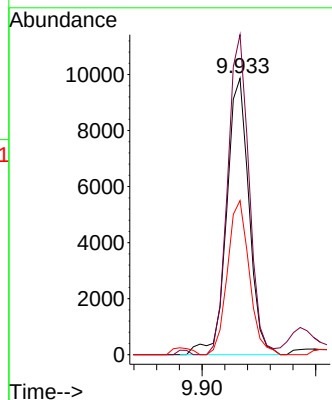
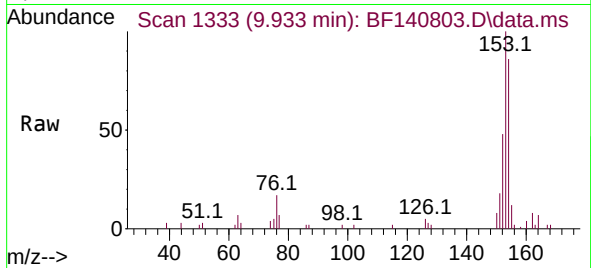




#52
Acenaphthene
Concen: 2.280 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

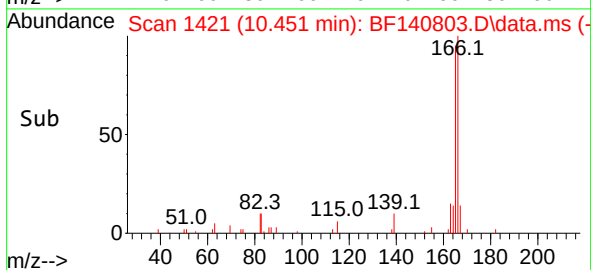
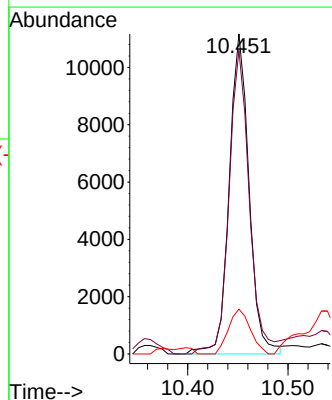
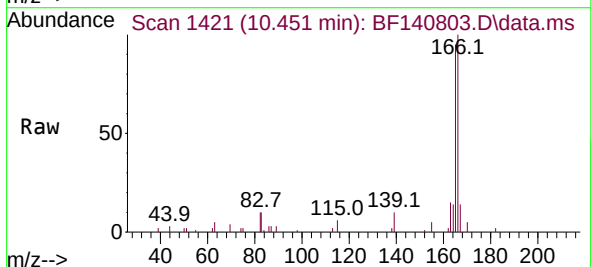
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

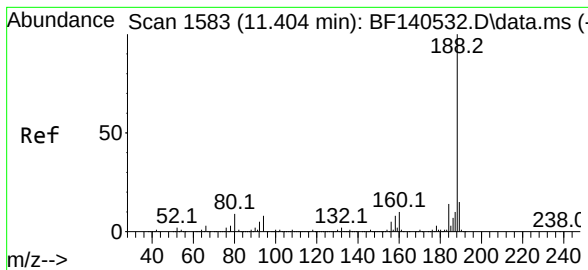
Tgt Ion:154 Resp: 13482
Ion Ratio Lower Upper
154 100
153 115.8 89.7 134.5
152 55.7 42.5 63.7



#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

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

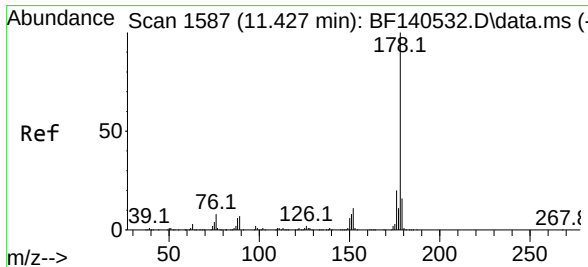
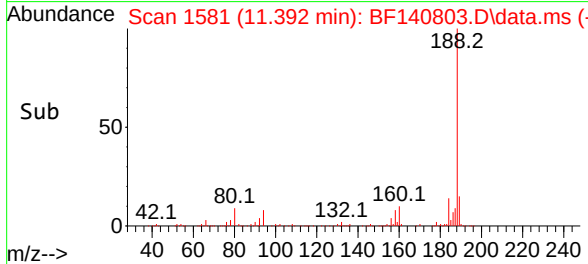
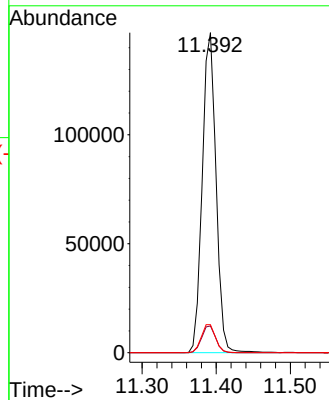
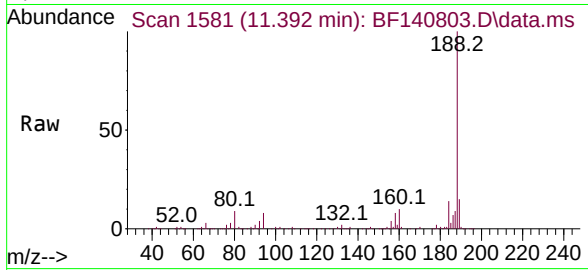




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

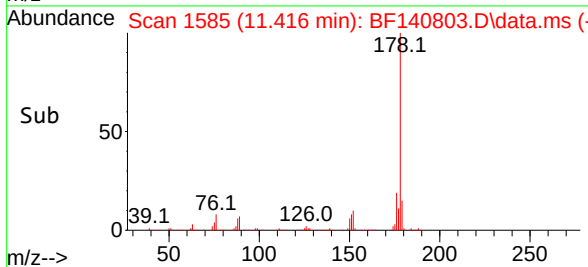
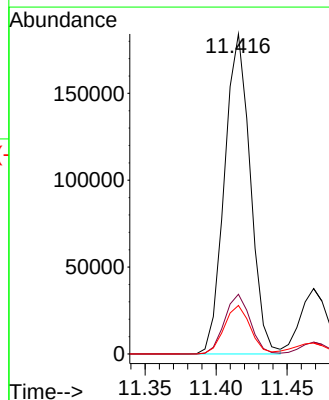
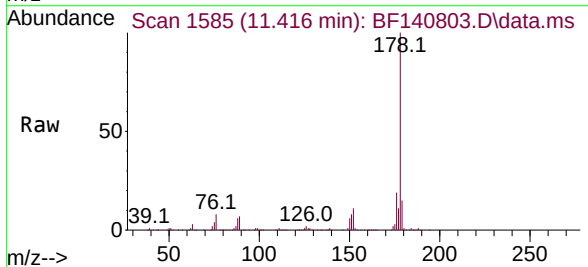
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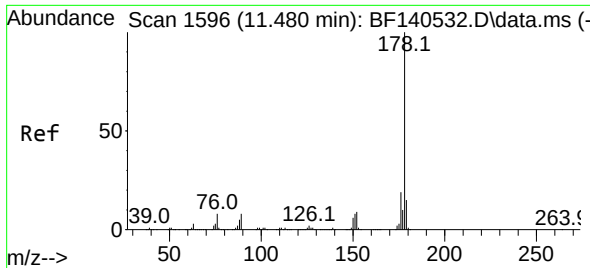
Tgt Ion:188 Resp: 190136
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.7 6.9 10.3



#71
Phenanthrene
Concen: 25.471 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

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

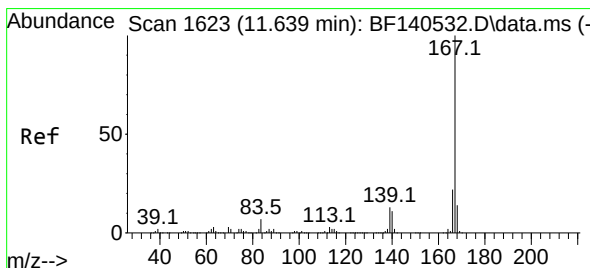
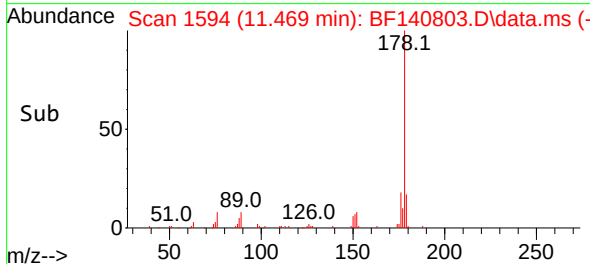
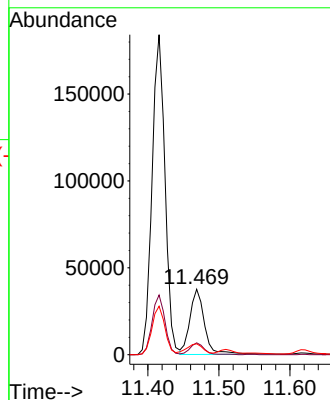
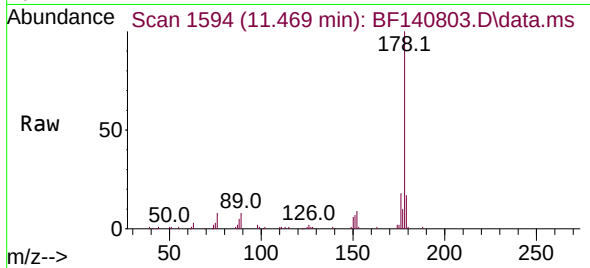




#72
 Anthracene
 Concen: 6.035 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF140803.D
 Acq: 10 Dec 2024 13:39

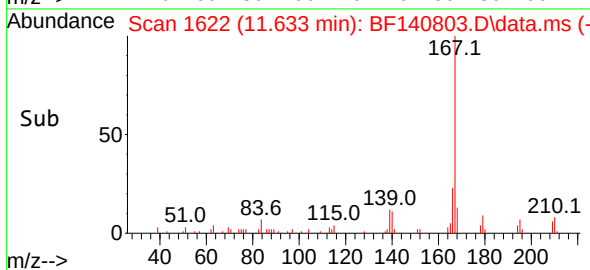
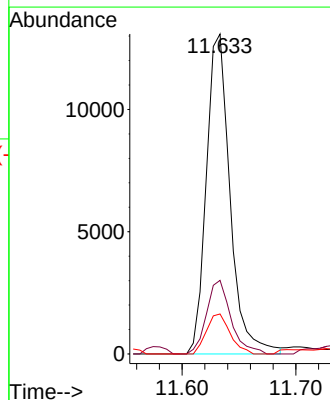
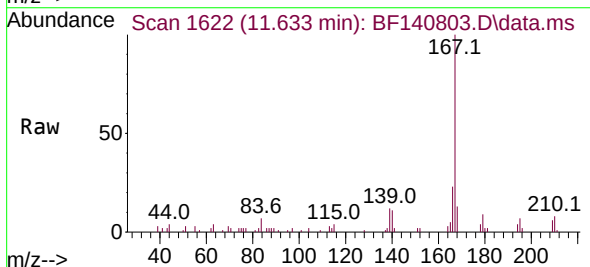
Instrument :
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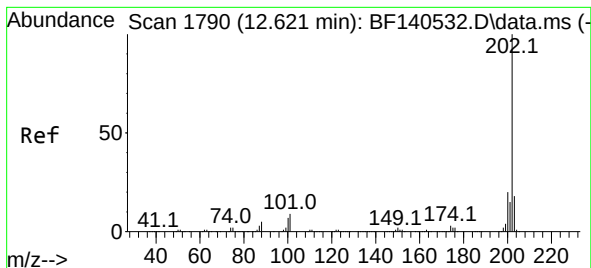
Tgt Ion:178 Resp: 53953
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 16.5 12.2 18.4



#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

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# 11

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

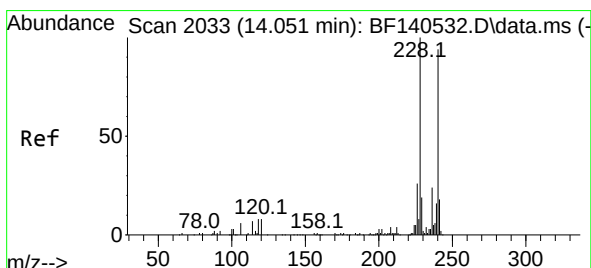
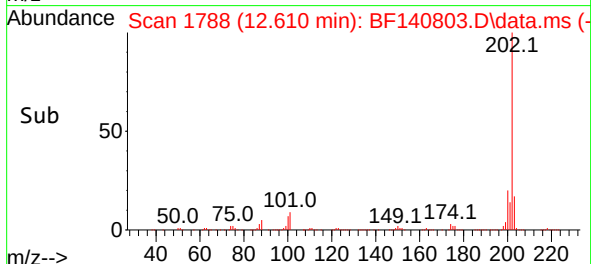
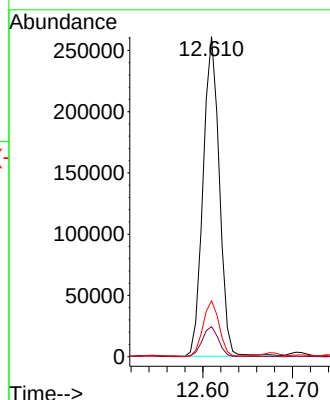
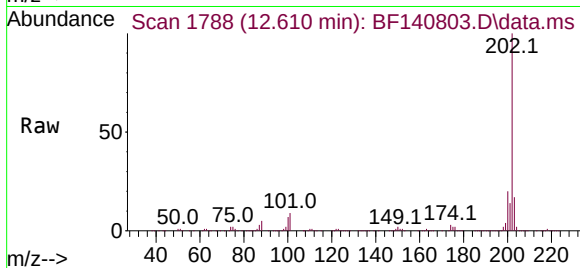
Tgt Ion:202 Resp: 328327

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# 2032

Delta R.T. -0.006 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

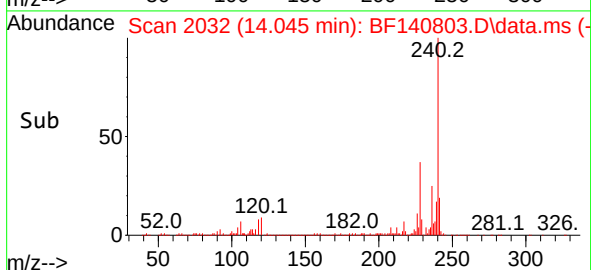
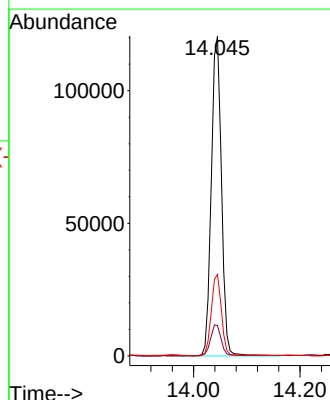
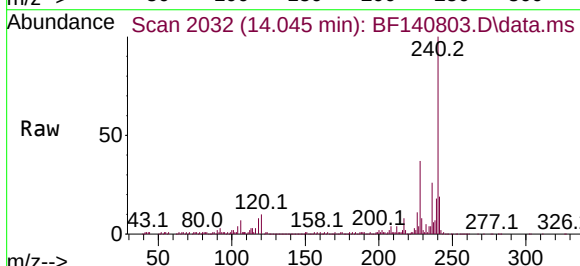
Tgt Ion:240 Resp: 160012

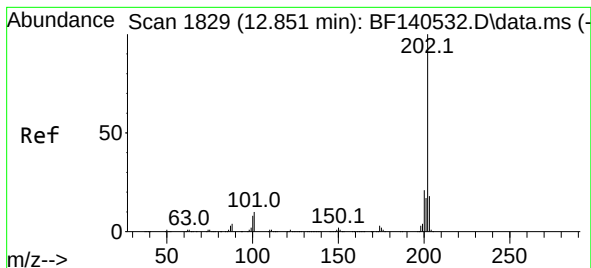
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

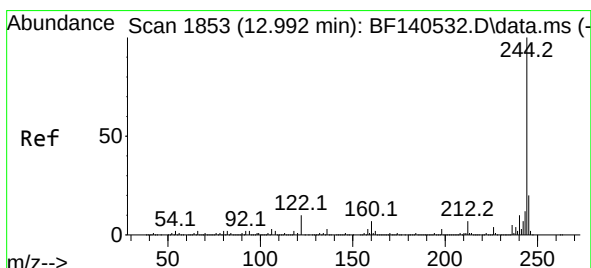
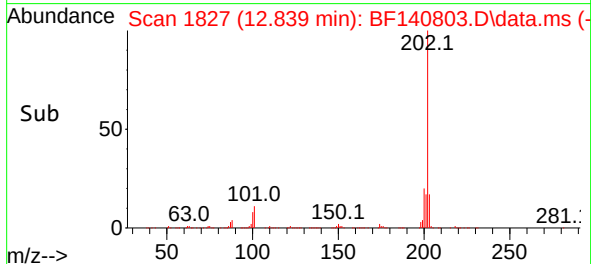
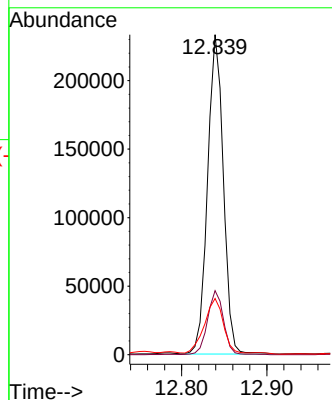
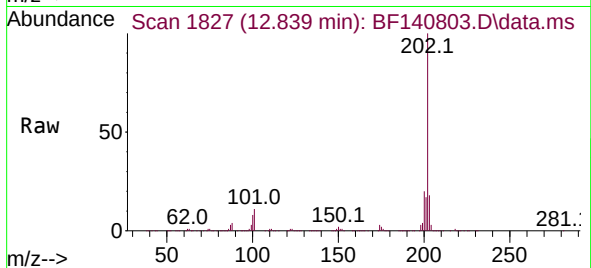
Tgt Ion:202 Resp: 300194

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

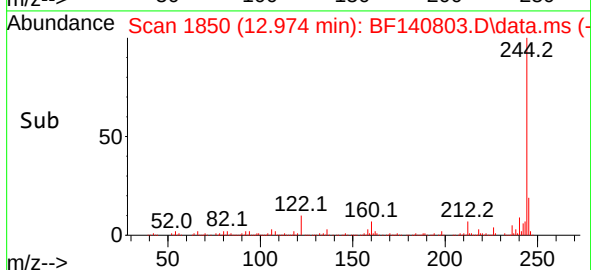
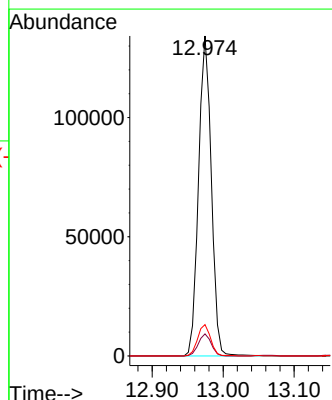
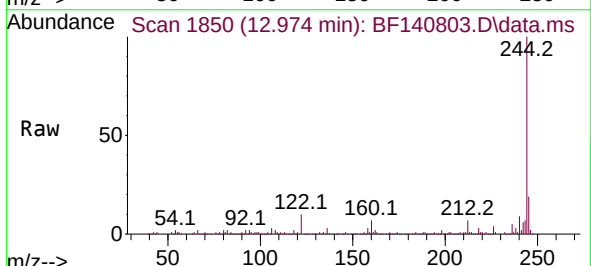
Tgt Ion:244 Resp: 168319

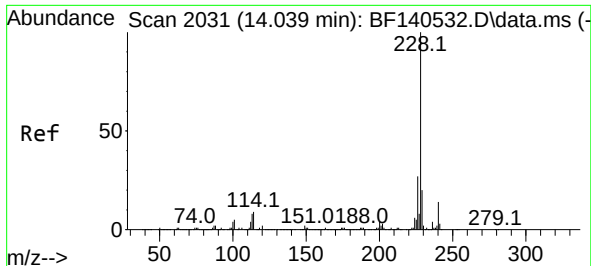
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 9.8 8.0 12.0

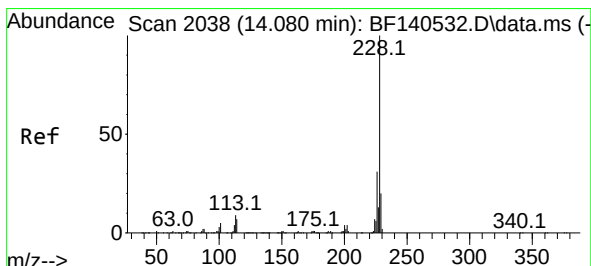
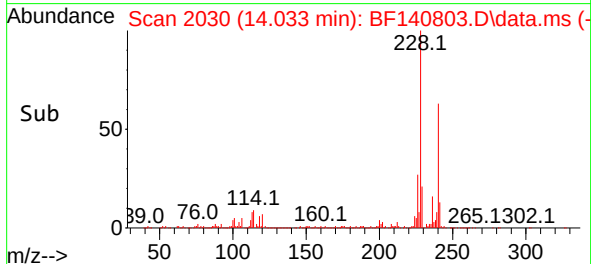
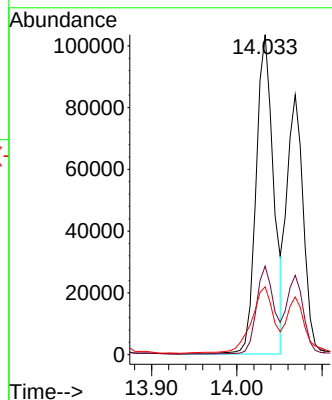
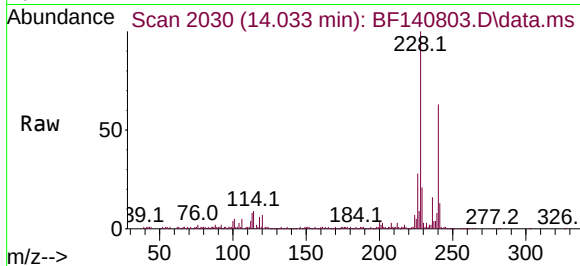




#81
Benzo(a)anthracene
Concen: 13.928 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

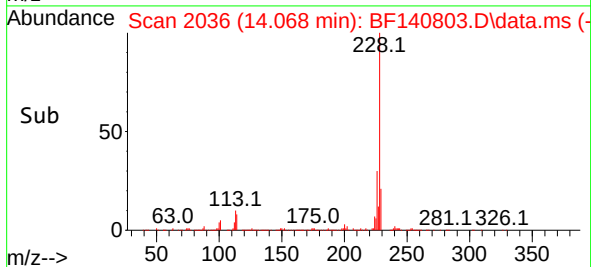
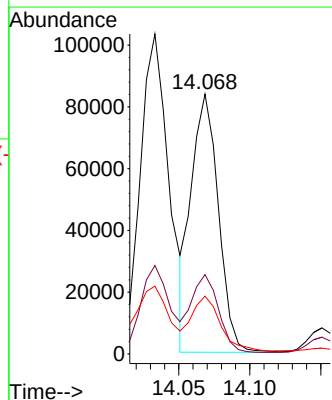
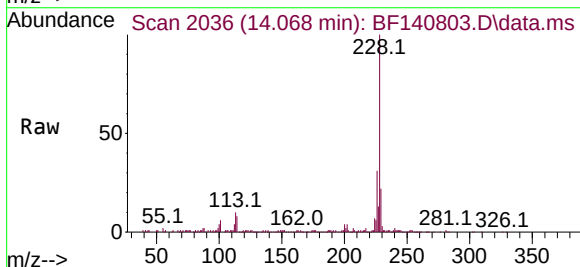
Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

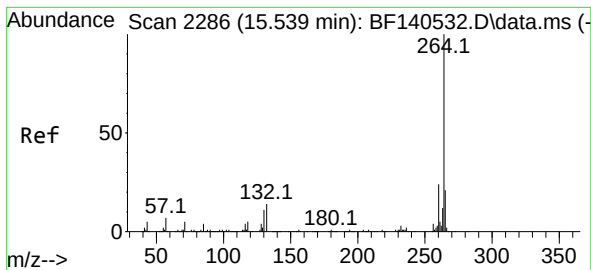
Tgt Ion:228 Resp: 147528
Ion Ratio Lower Upper
228 100
226 27.7 21.8 32.8
229 21.2 15.8 23.6



#83
Chrysene
Concen: 11.485 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

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



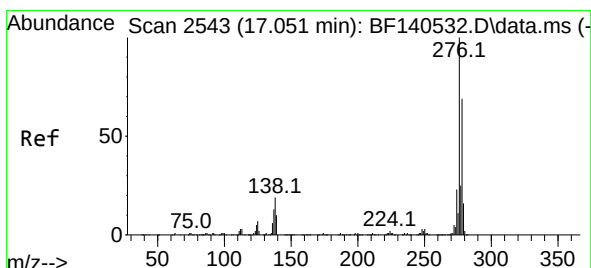
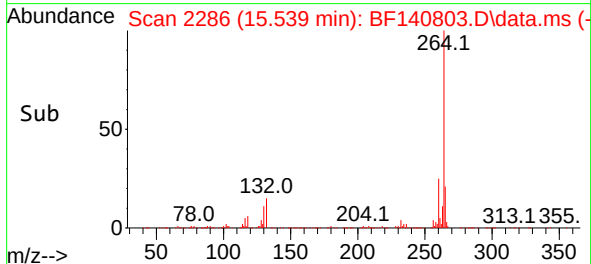
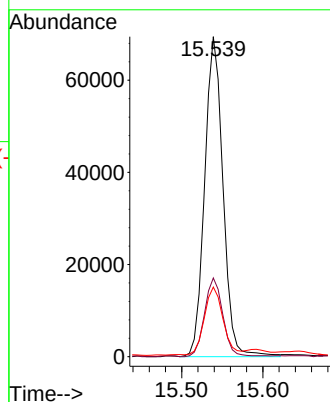
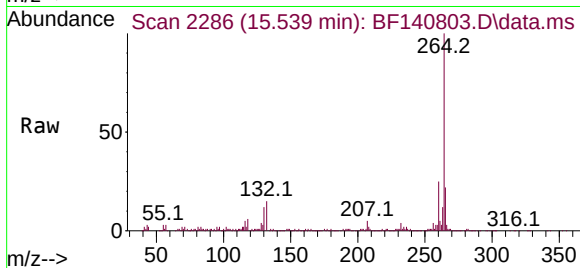


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

Tgt Ion:264 Resp: 109017

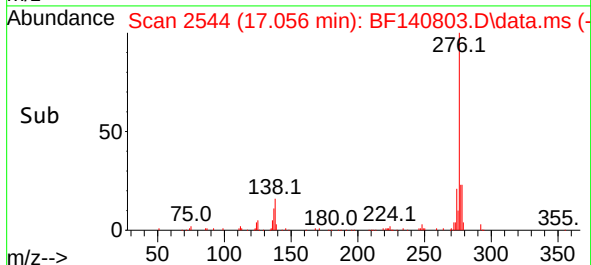
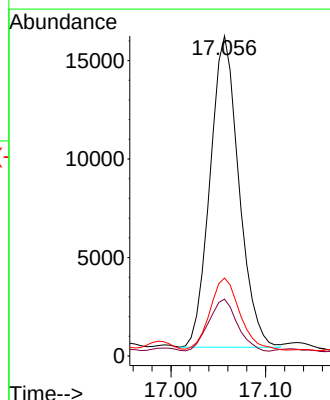
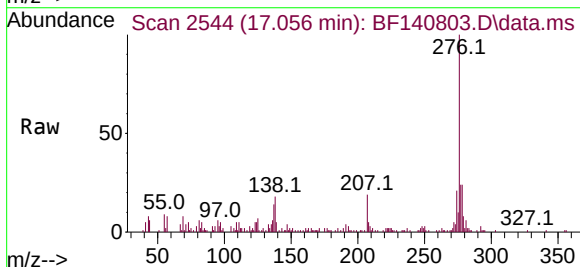
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	21.7	16.6	25.0

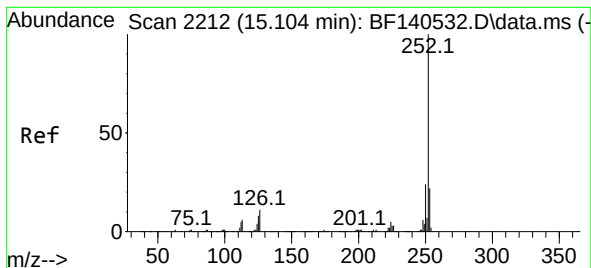


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.707 ng
RT: 17.056 min Scan# 2544
Delta R.T. 0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

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: 15.598 ng m

RT: 15.104 min Scan# 2110

Delta R.T. -0.000 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

Instrument :

BNA_F

ClientSampleId :

10TH-ST-SOILDL

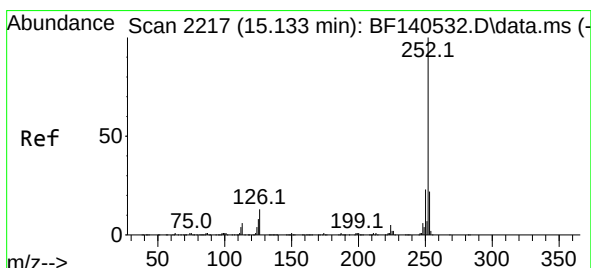
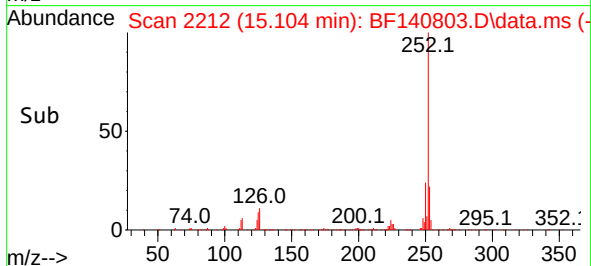
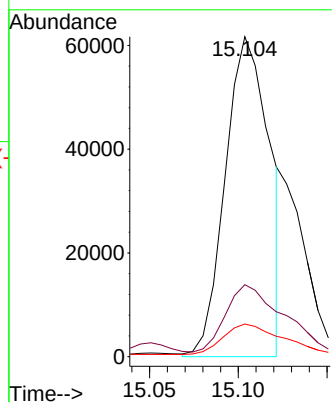
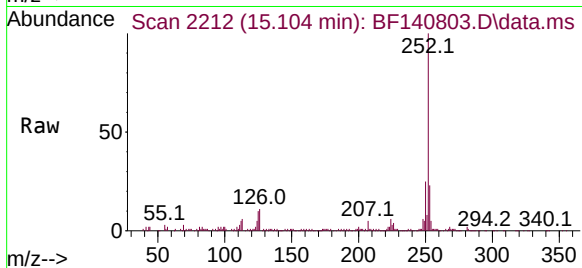
Tgt Ion:252 Resp: 106809

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: 5.733 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF140803.D

Acq: 10 Dec 2024 13:39

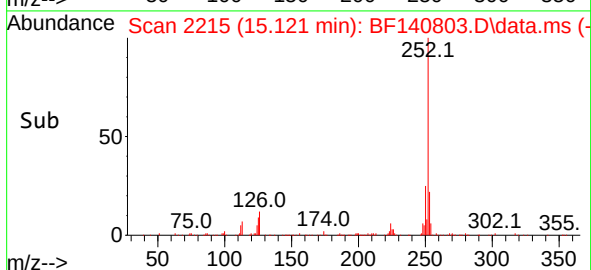
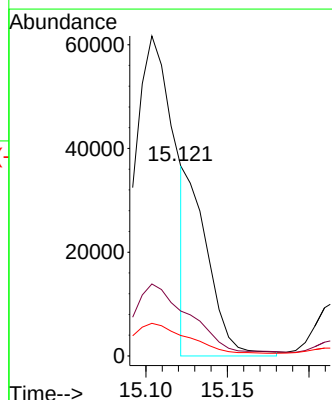
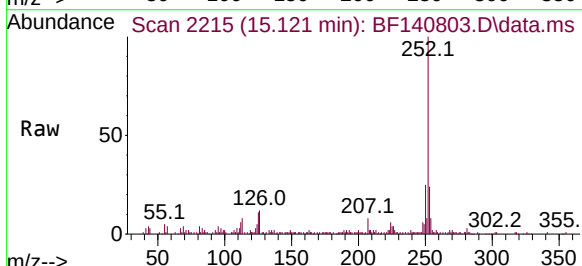
Tgt Ion:252 Resp: 34353

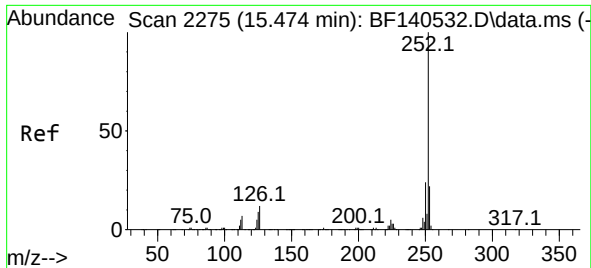
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 10.8 6.5 9.7#

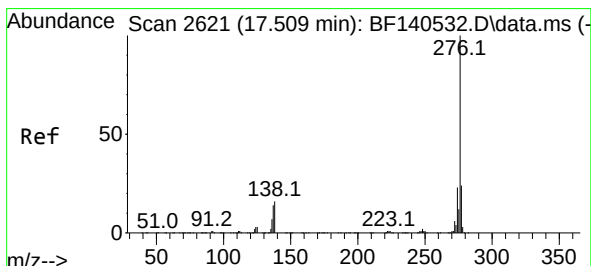
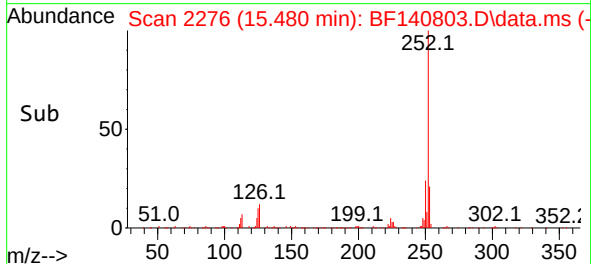
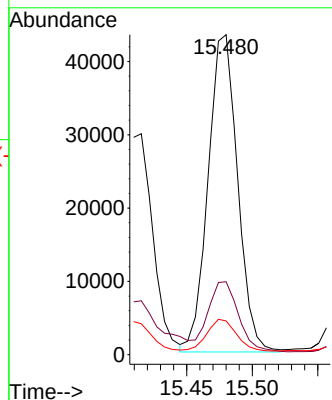
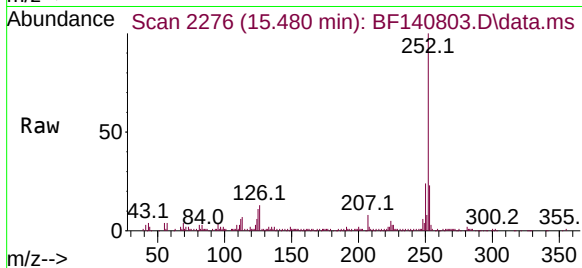




#90
Benzo(a)pyrene
Concen: 12.176 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

Instrument :
BNA_F
ClientSampleId :
10TH-ST-SOILDL

Tgt Ion: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# 2622
Delta R.T. 0.006 min
Lab File: BF140803.D
Acq: 10 Dec 2024 13:39

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#

