

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140723.D
 Acq On : 03 Dec 2024 20:36
 Operator : RC/JU
 Sample : P5025-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-WEST

Quant Time: Dec 03 22:16:16 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)

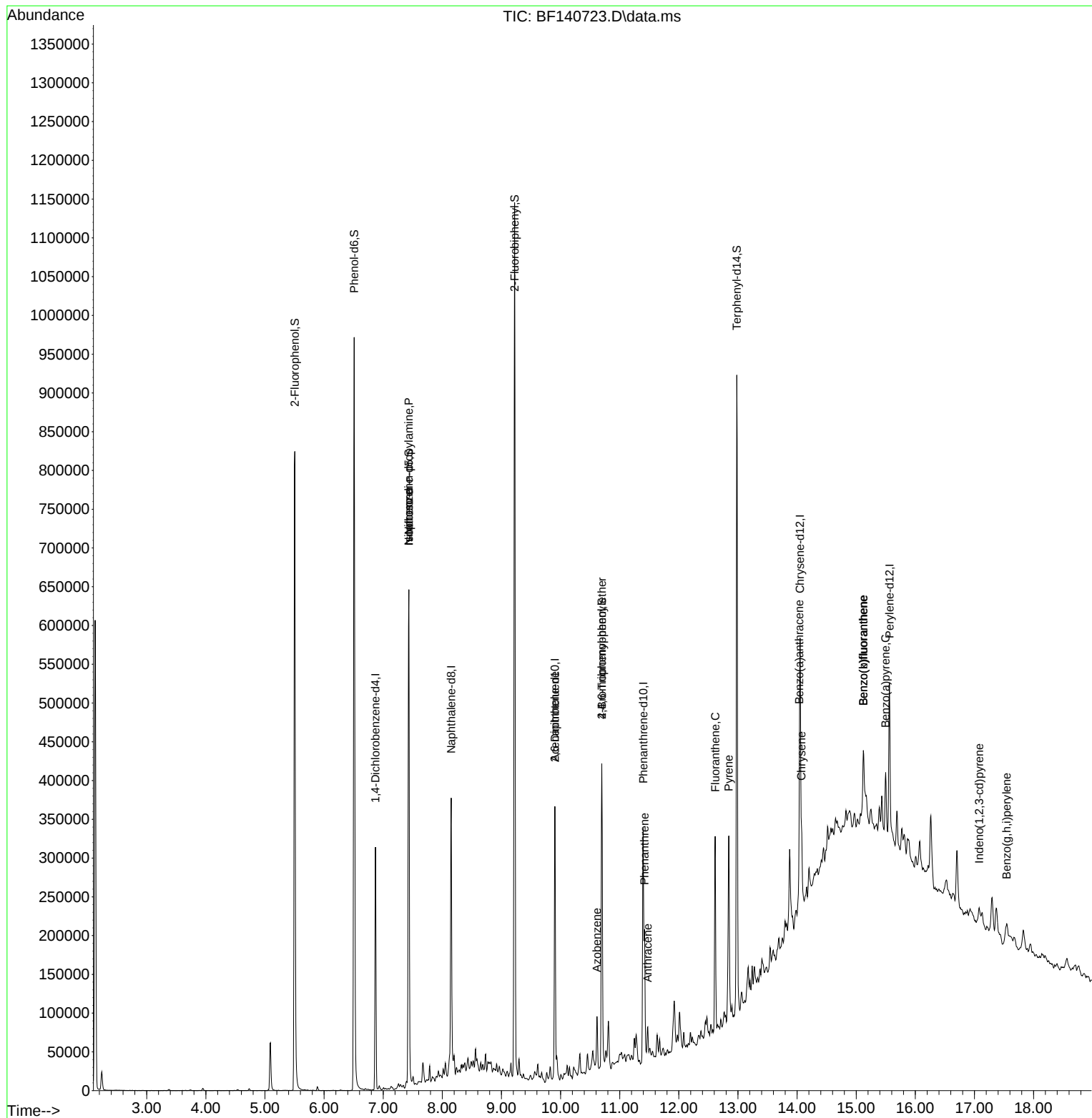
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	65599	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	225151	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	104110	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	160260	20.000	ng	0.00
76) Chrysene-d12	14.051	240	135044	20.000	ng	0.00
86) Perylene-d12	15.562	264	102710	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	330761	86.030	ng	0.00
7) Phenol-d6	6.510	99	465697	91.622	ng	0.00
23) Nitrobenzene-d5	7.434	82	303774	69.012	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	68789	61.779	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	493216	70.585	ng	-0.01
79) Terphenyl-d14	12.980	244	401107	46.250	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	38256	12.735	ng	# 77
25) Isophorone	7.434	82	297592	40.534	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	13675	8.794	ng	# 20
63) Azobenzene	10.616	77	16898	2.561	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	4104	2.487	ng	# 1
71) Phenanthrene	11.422	178	86560	11.236	ng	99
72) Anthracene	11.474	178	23620	3.134	ng	94
75) Fluoranthene	12.616	202	148641	17.771	ng	100
78) Pyrene	12.845	202	134086	10.738	ng	98
81) Benzo(a)anthracene	14.039	228	64845	7.254	ng	# 95
83) Chrysene	14.074	228	56088	6.862	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.080	276	17239	2.575	ng	96
88) Benzo(b)fluoranthene	15.121	252	71824	11.133	ng	# 81
89) Benzo(k)fluoranthene	15.121	252	71824	12.722	ng	# 81
90) Benzo(a)pyrene	15.498	252	36389	6.937	ng	# 84
92) Benzo(g,h,i)perylene	17.545	276	17220	3.078	ng	# 89

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140723.D
Acq On : 03 Dec 2024 20:36
Operator : RC/JU
Sample : P5025-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-WEST

Quant Time: Dec 03 22:16:16 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

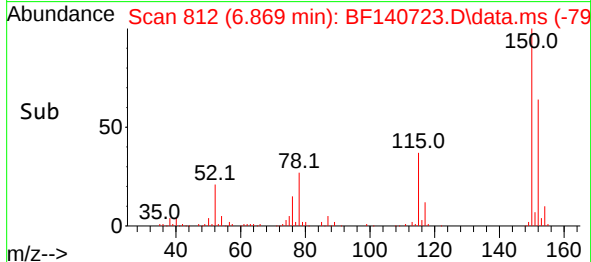
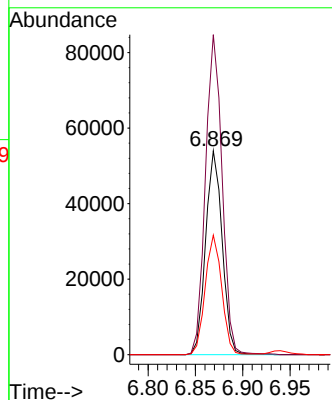
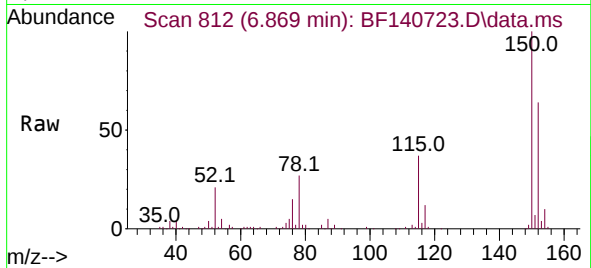




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF140723.D
 Acq: 03 Dec 2024 20:36

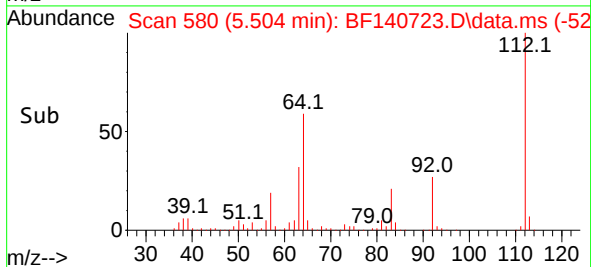
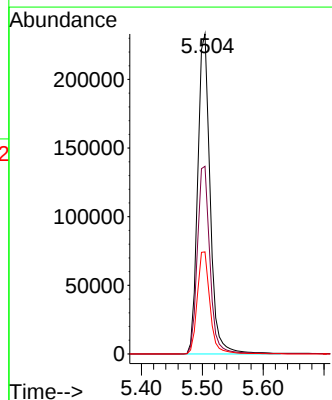
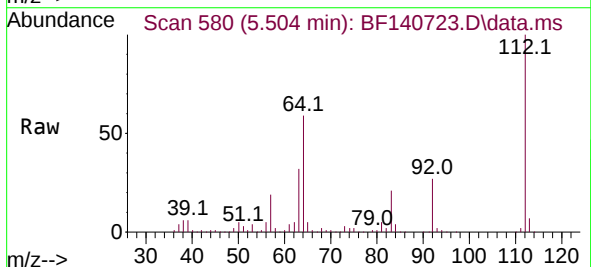
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-WEST

Tgt Ion:152 Resp: 65599
 Ion Ratio Lower Upper
 152 100
 150 157.0 128.5 192.7
 115 58.7 50.2 75.4



#5
 2-Fluorophenol
 Concen: 86.030 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: BF140723.D
 Acq: 03 Dec 2024 20:36

Tgt Ion:112 Resp: 330761
 Ion Ratio Lower Upper
 112 100
 64 58.6 49.2 73.8
 63 31.9 27.0 40.4

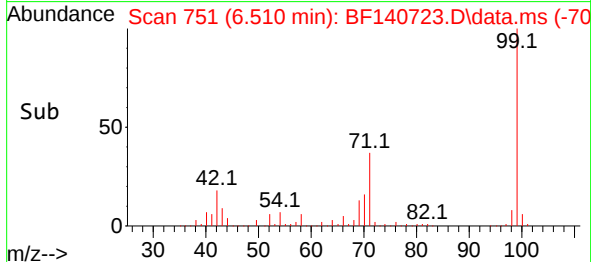
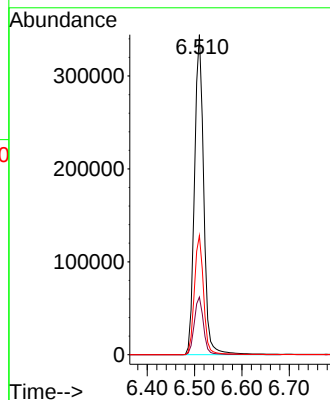
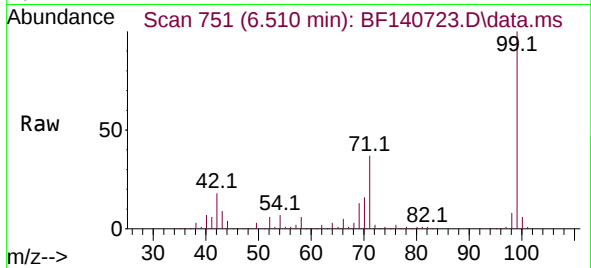




#7
Phenol-d6
Concen: 91.622 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

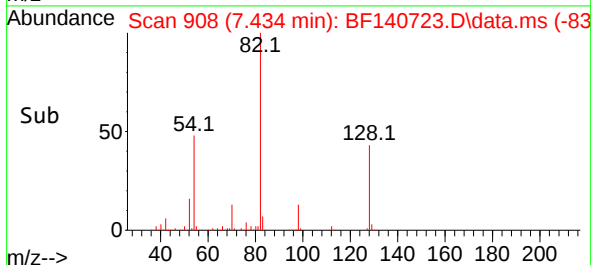
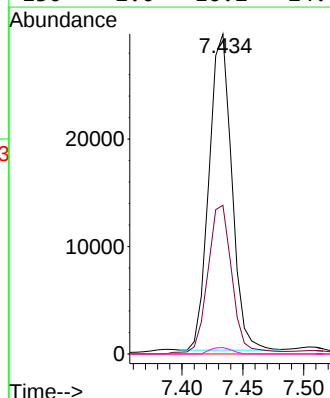
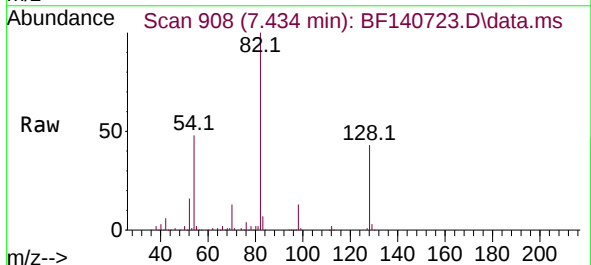
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST

Tgt Ion: 99 Resp: 465697
Ion Ratio Lower Upper
99 100
42 18.0 15.4 23.0
71 37.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.735 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion: 70 Resp: 38256
Ion Ratio Lower Upper
70 100
42 46.5 47.6 71.4#
101 0.0 7.6 11.4#
130 2.0 16.2 24.4#



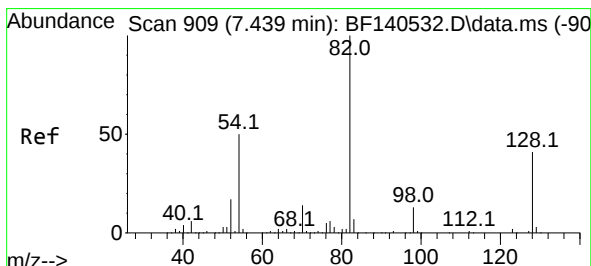
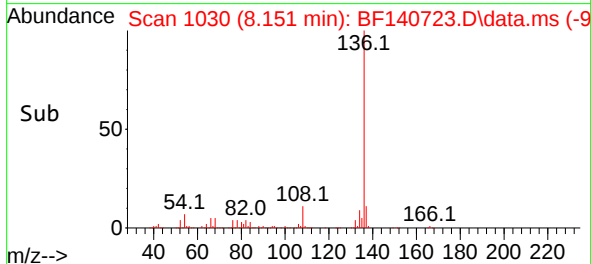
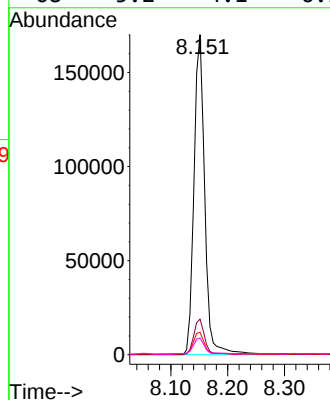
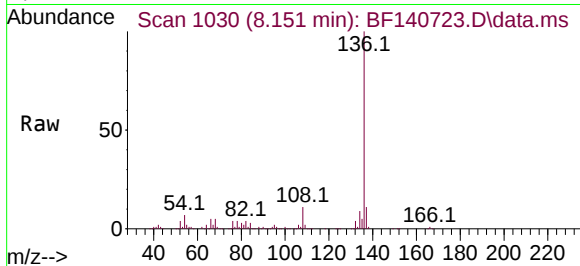


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Instrument :
BNA_F
ClientSampleId :
SOIL-WEST

Tgt Ion:136 Resp: 225151

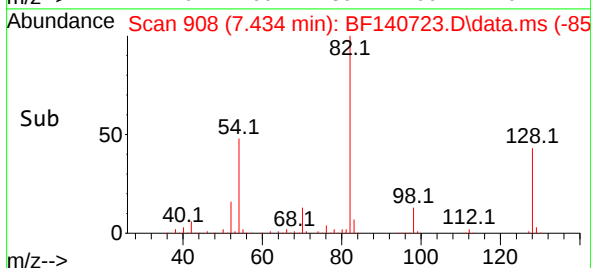
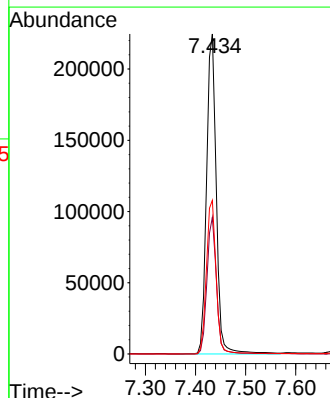
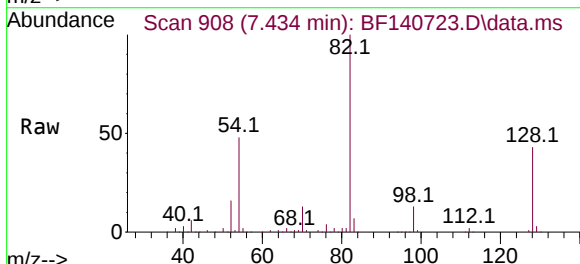
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.0	5.8	8.8
68	5.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 69.012 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion: 82 Resp: 303774

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.0	49.4
54	48.0	39.5	59.3

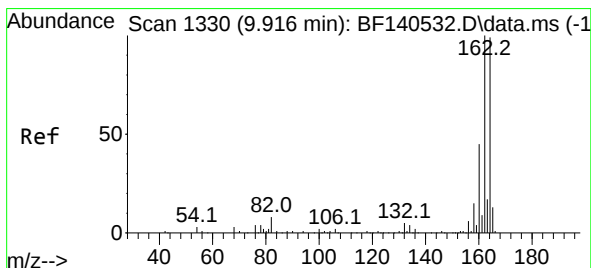
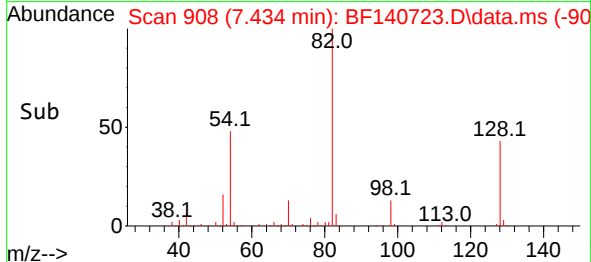
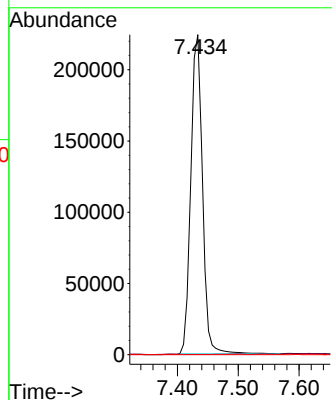
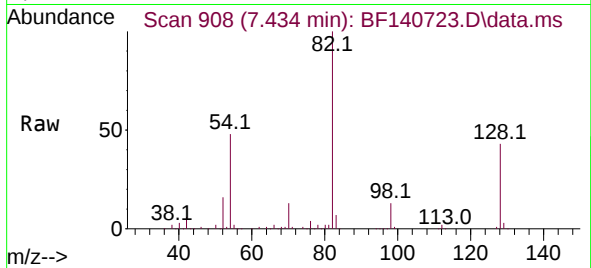




#25
Isophorone
Concen: 40.534 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

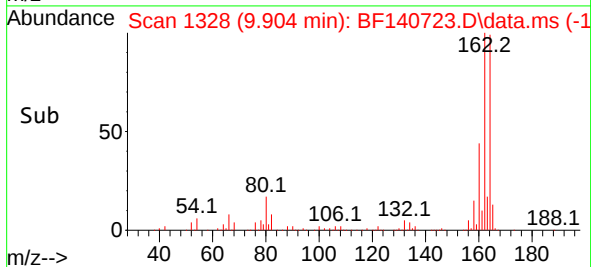
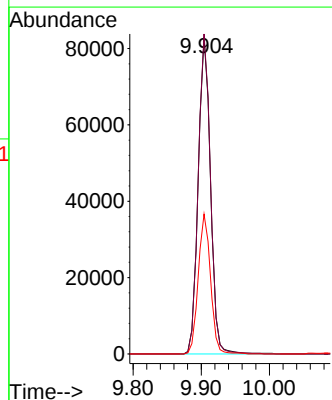
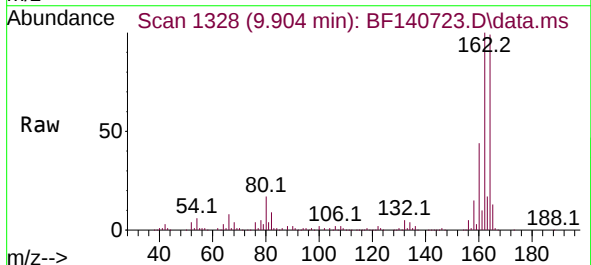
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST

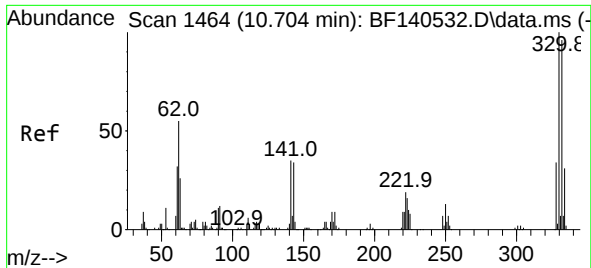
Tgt Ion: 82 Resp: 297592
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion:164 Resp: 104110
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.2 36.2 54.4

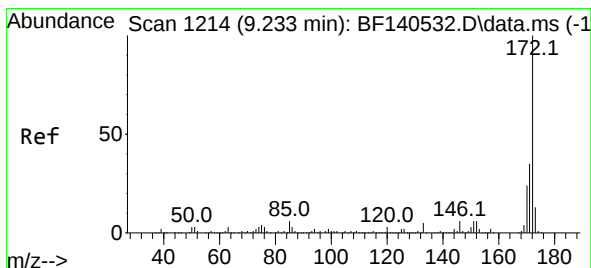
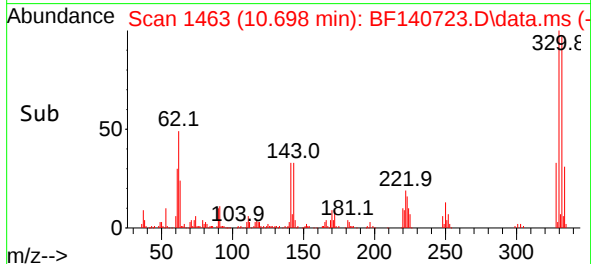
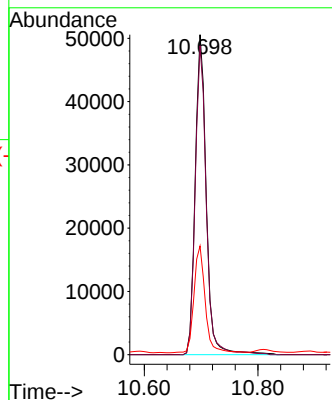
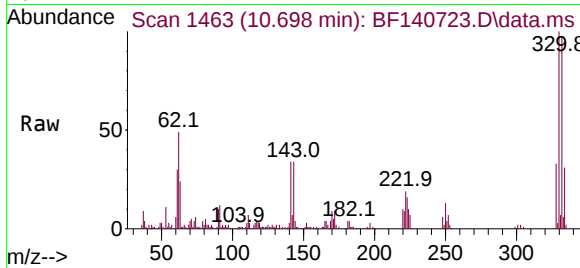




#42
2,4,6-Tribromophenol
Concen: 61.779 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

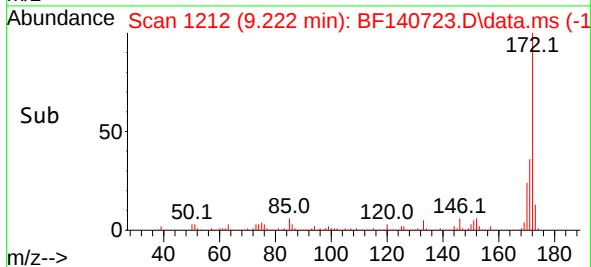
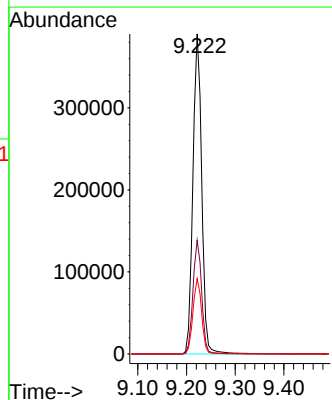
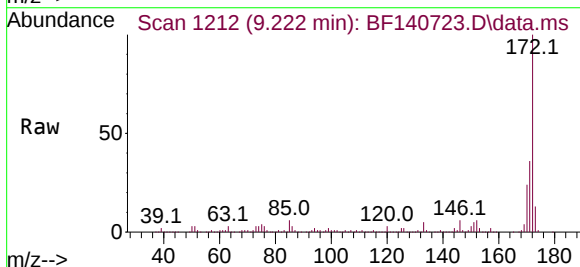
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST

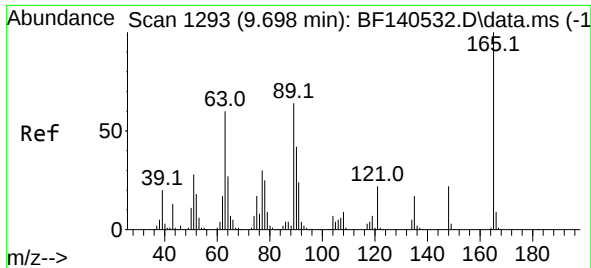
Tgt Ion:330 Resp: 68789
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 33.7 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 70.585 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion:172 Resp: 493216
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.5 19.0 28.6

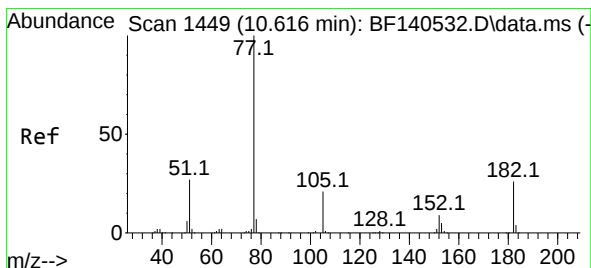
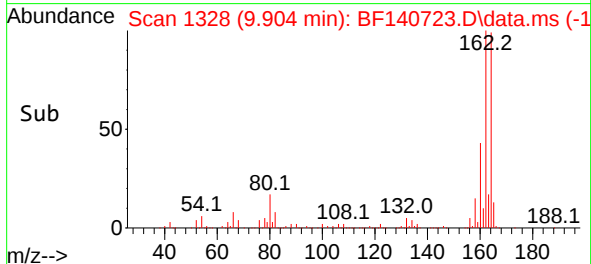
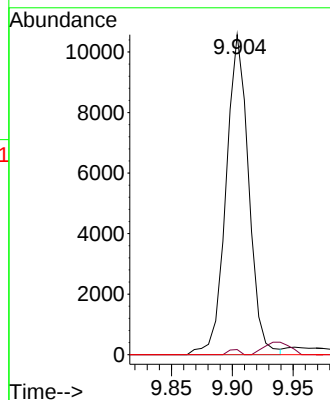
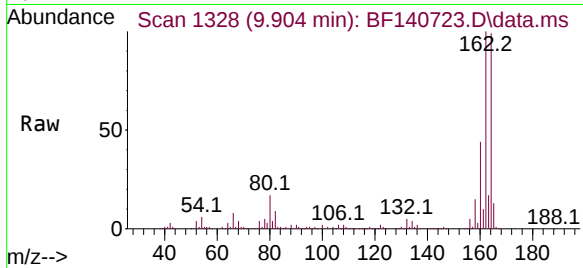




#51
2,6-Dinitrotoluene
Concen: 8.794 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

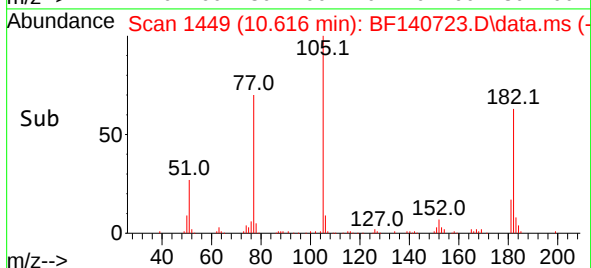
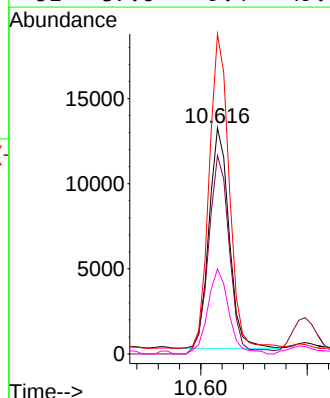
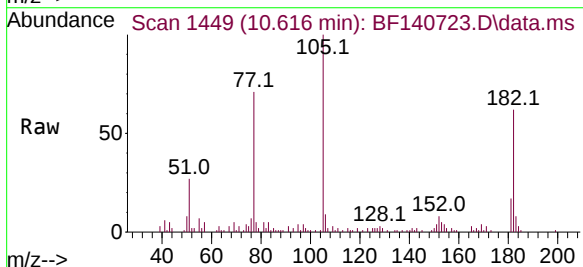
Instrument :
BNA_F
ClientSampleId :
SOIL-WEST

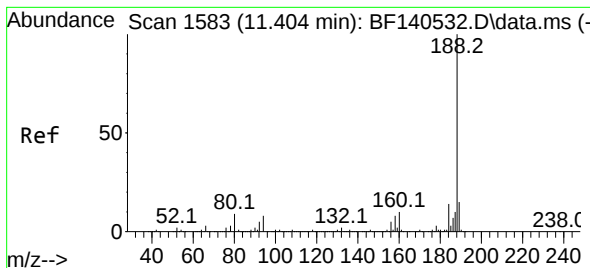
Tgt Ion:165 Resp: 13675
Ion Ratio Lower Upper
165 100
63 1.6 49.9 74.9#
89 0.0 50.9 76.3#



#63
Azobenzene
Concen: 2.561 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140723.D
Acq: 03 Dec 2024 20:36

Tgt Ion: 77 Resp: 16898
Ion Ratio Lower Upper
77 100
182 87.8 5.3 45.3#
105 141.7 0.3 40.3#
51 37.6 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

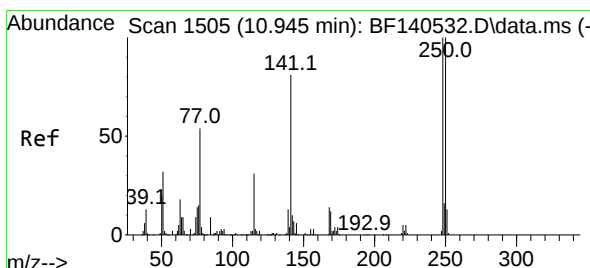
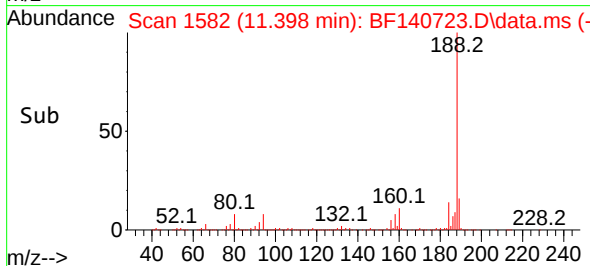
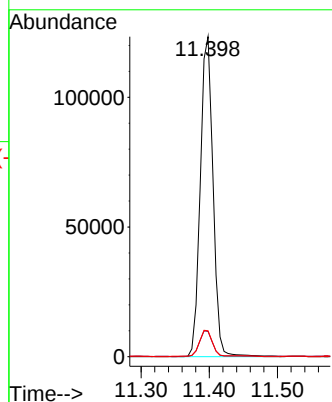
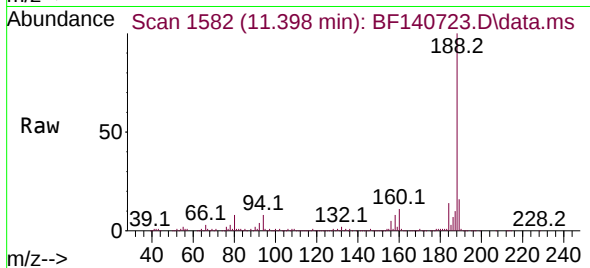
Tgt Ion:188 Resp: 160260

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.487 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

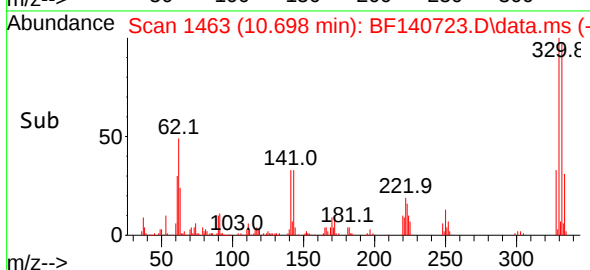
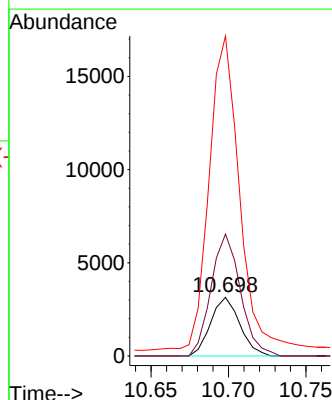
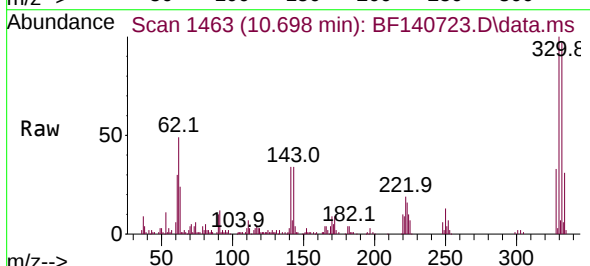
Tgt Ion:248 Resp: 4104

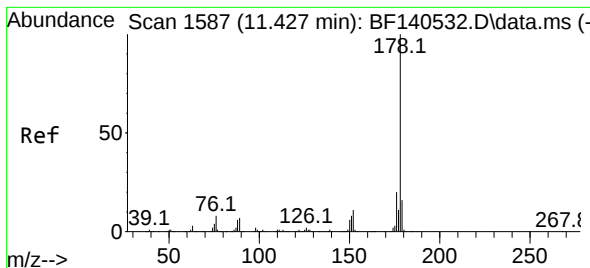
Ion Ratio Lower Upper

248 100

250 208.1 79.8 119.8#

141 546.1 64.7 97.1#





#71

Phenanthrene

Concen: 11.236 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

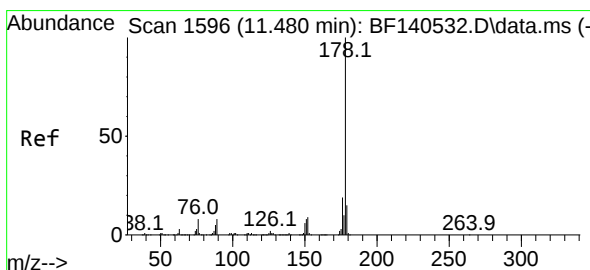
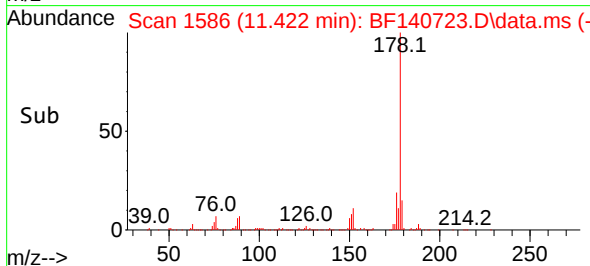
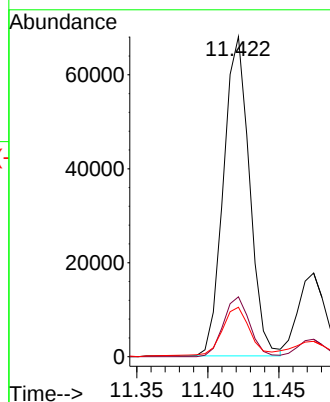
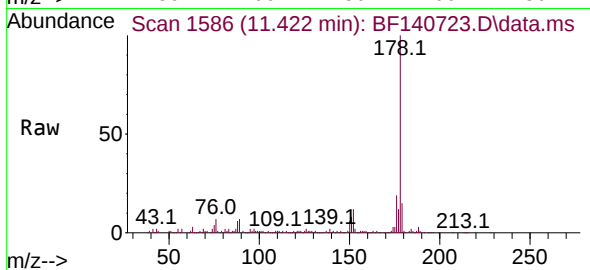
Tgt Ion:178 Resp: 86560

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 15.4 12.4 18.6



#72

Anthracene

Concen: 3.134 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

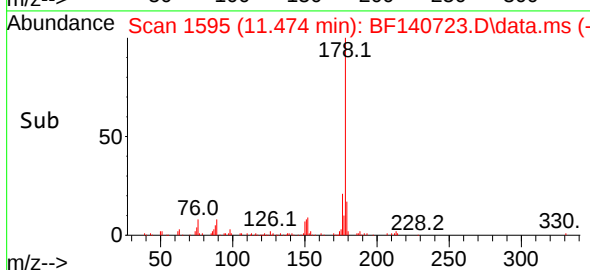
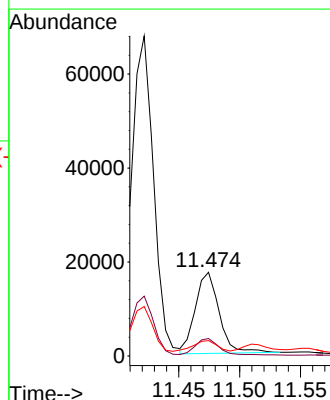
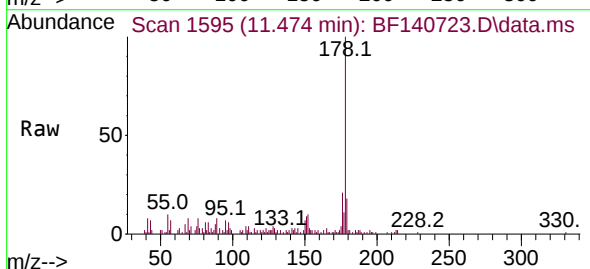
Tgt Ion:178 Resp: 23620

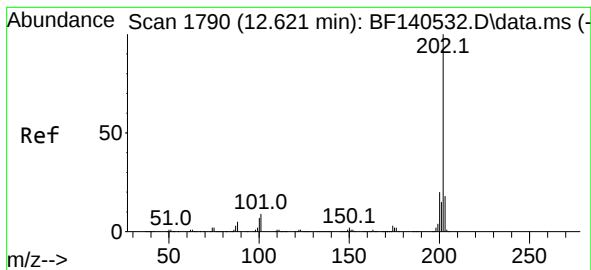
Ion Ratio Lower Upper

178 100

176 20.9 15.0 22.4

179 18.4 12.2 18.4





#75

Fluoranthene

Concen: 17.771 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

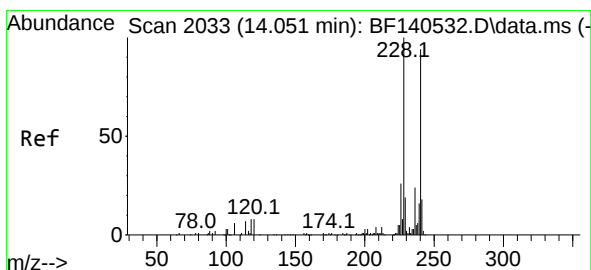
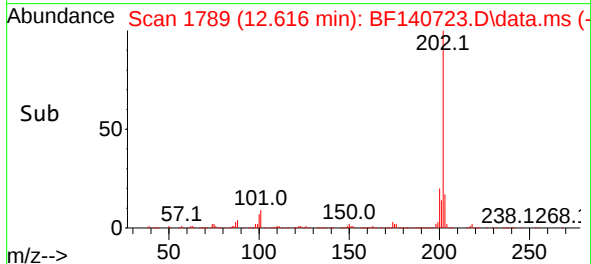
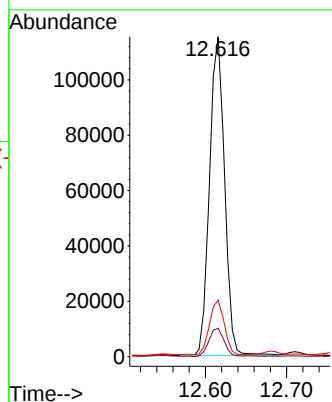
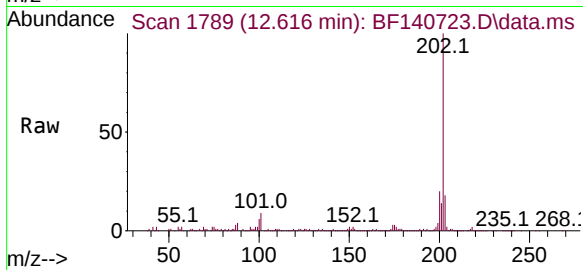
Tgt Ion:202 Resp: 148641

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.9

203 17.7 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

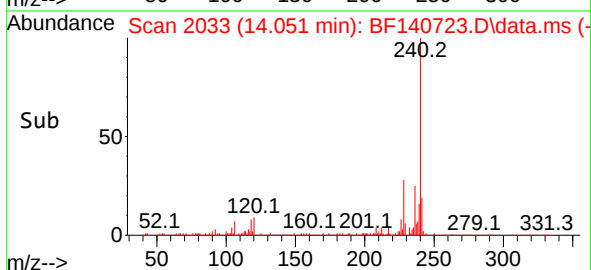
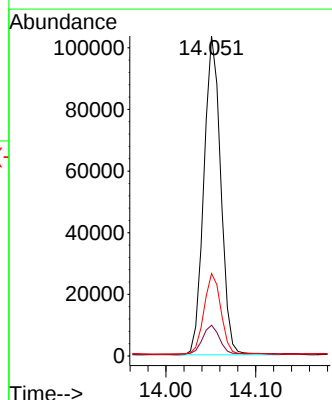
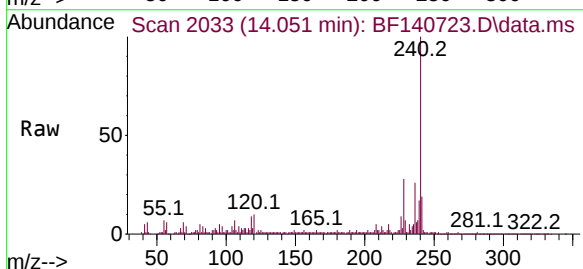
Tgt Ion:240 Resp: 135044

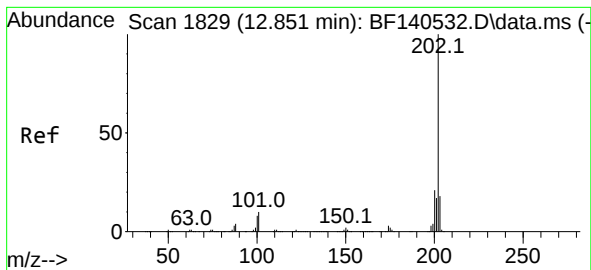
Ion Ratio Lower Upper

240 100

120 9.6 7.3 10.9

236 25.7 20.6 31.0





#78

Pyrene

Concen: 10.738 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

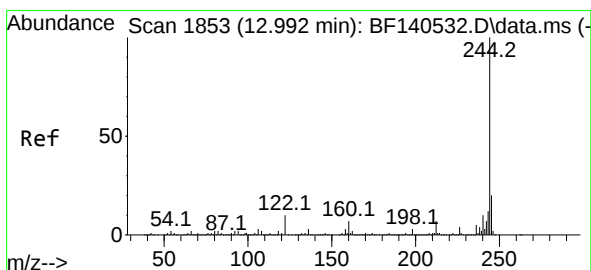
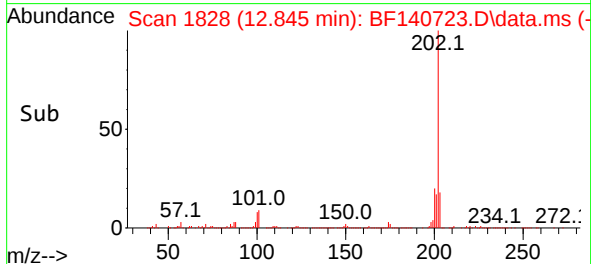
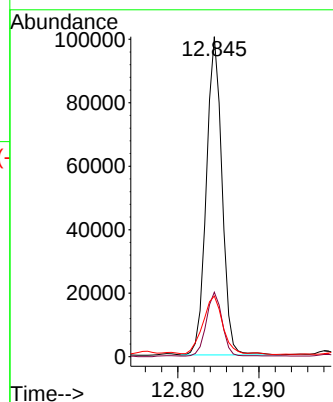
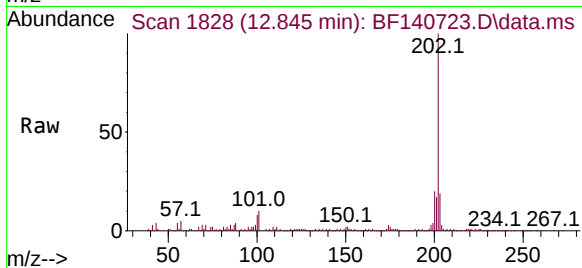
Tgt Ion:202 Resp: 134086

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 19.0 14.2 21.4



#79

Terphenyl-d14

Concen: 46.250 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

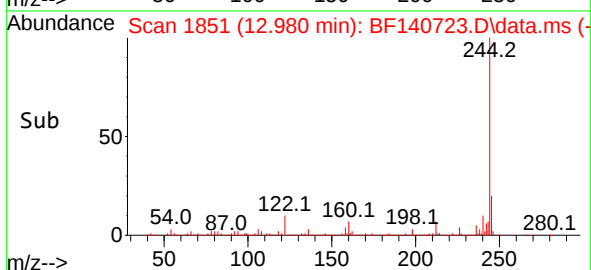
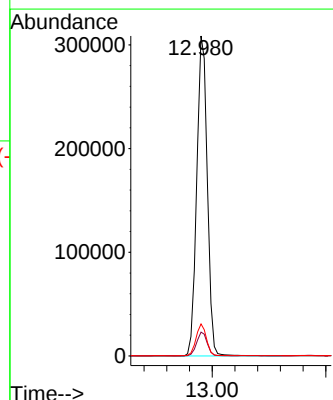
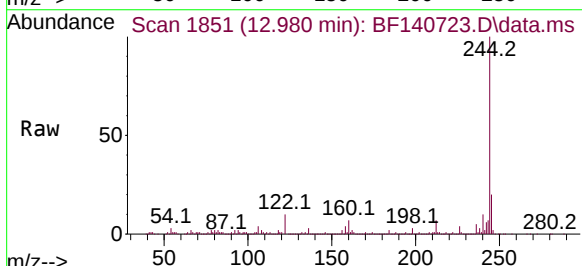
Tgt Ion:244 Resp: 401107

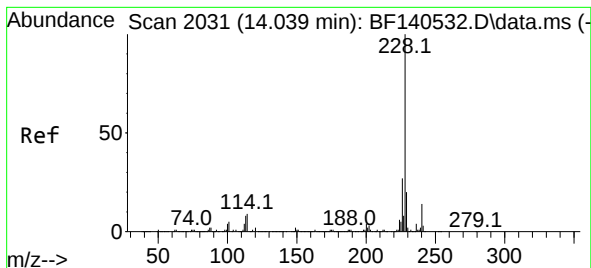
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 10.0 8.0 12.0





#81

Benzo(a)anthracene

Concen: 7.254 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

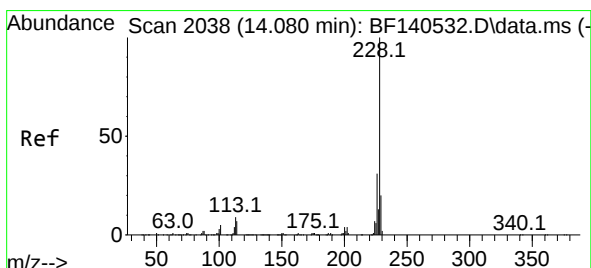
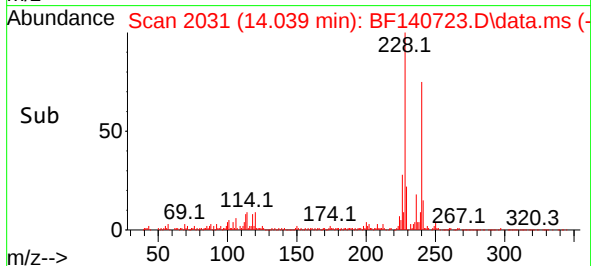
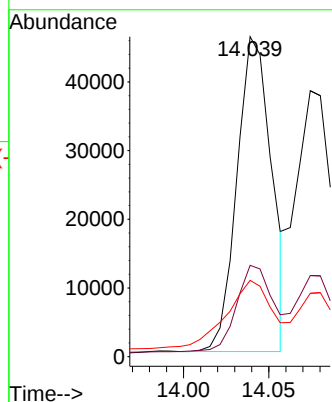
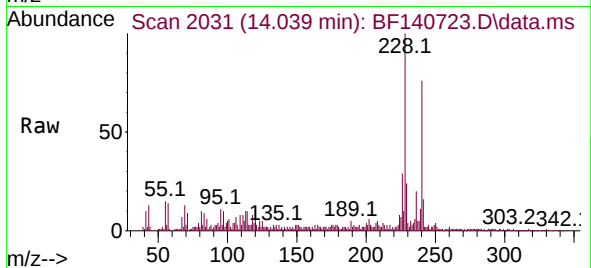
Tgt Ion:228 Resp: 64845

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.8

229 23.9 15.8 23.6#



#83

Chrysene

Concen: 6.862 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

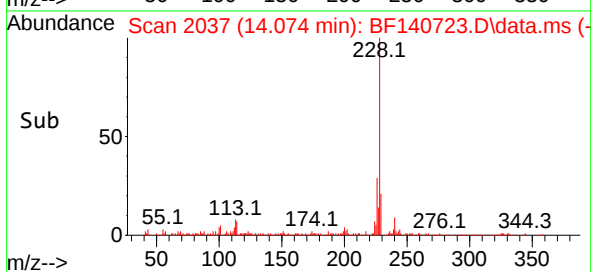
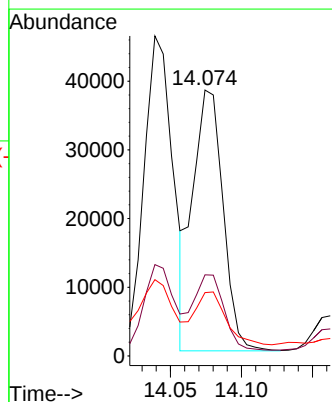
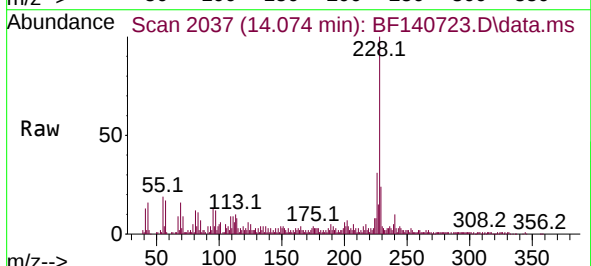
Tgt Ion:228 Resp: 56088

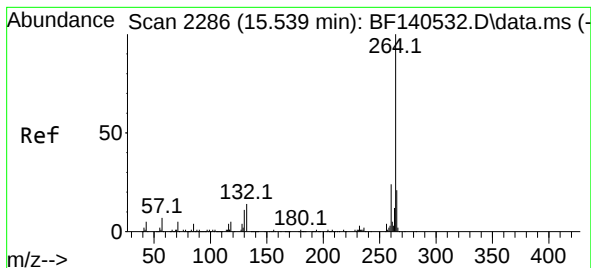
Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 23.9 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

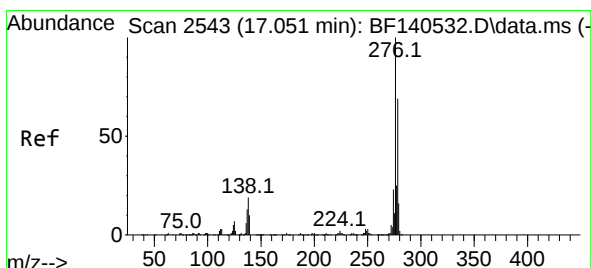
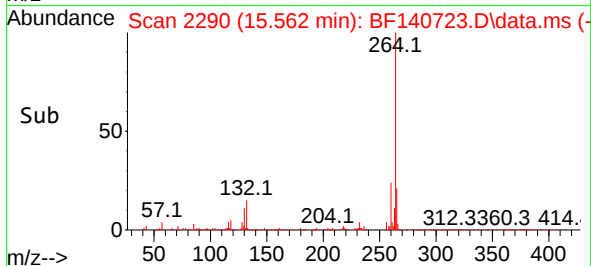
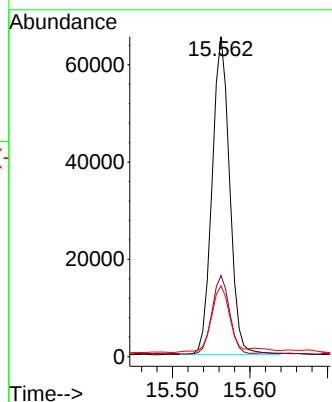
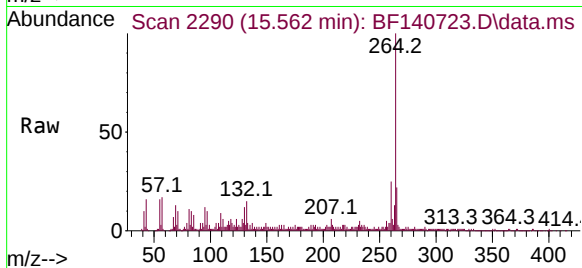
Tgt Ion:264 Resp: 102710

Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.6

265 22.1 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.575 ng

RT: 17.080 min Scan# 2548

Delta R.T. 0.029 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

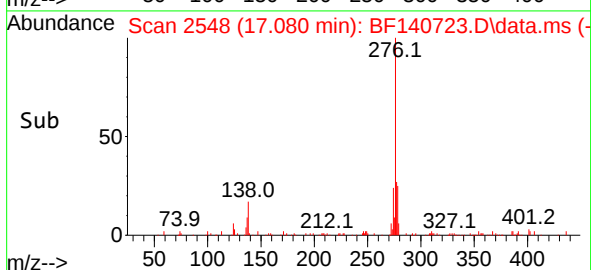
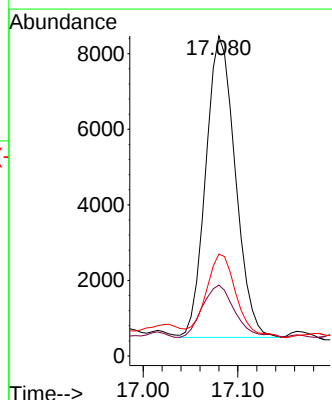
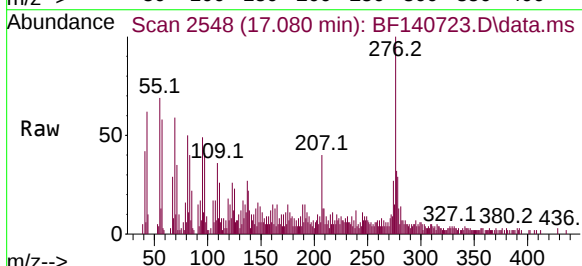
Tgt Ion:276 Resp: 17239

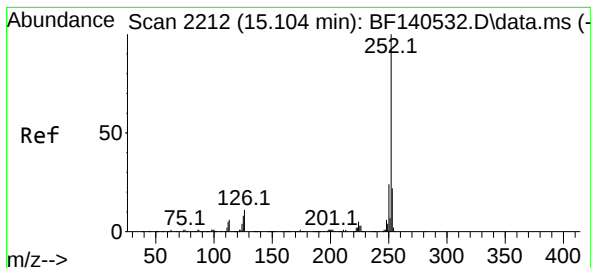
Ion Ratio Lower Upper

276 100

138 19.1 15.5 23.3

277 28.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 11.133 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.018 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

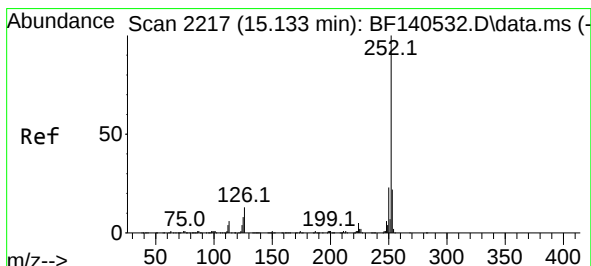
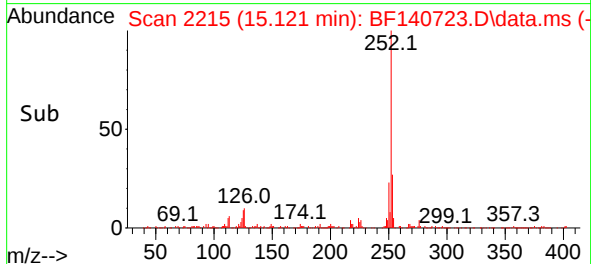
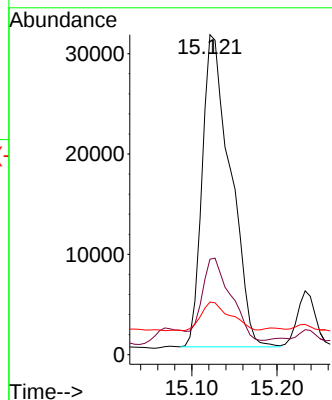
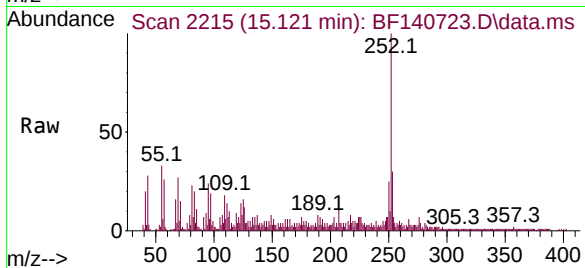
Tgt Ion:252 Resp: 71824

Ion Ratio Lower Upper

252 100

253 29.9 17.2 25.8#

125 16.4 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 12.722 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

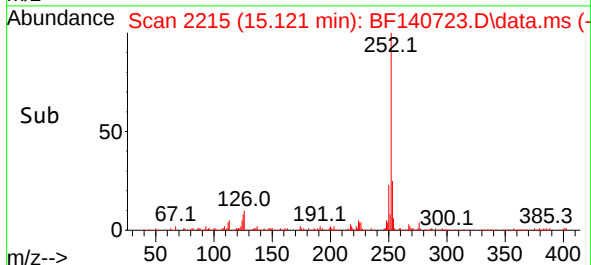
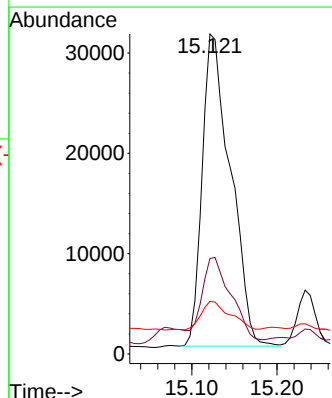
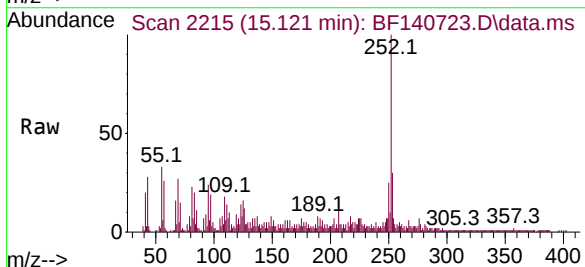
Tgt Ion:252 Resp: 71824

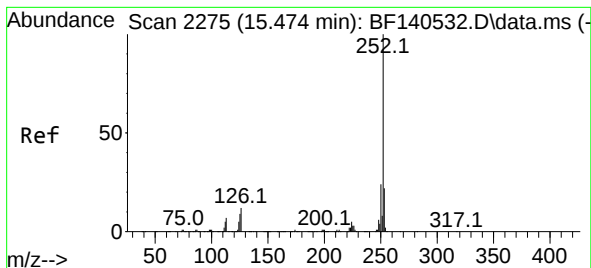
Ion Ratio Lower Upper

252 100

253 29.9 17.5 26.3#

125 16.4 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 6.937 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Instrument :

BNA_F

ClientSampleId :

SOIL-WEST

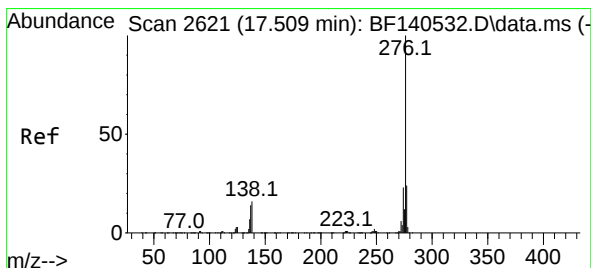
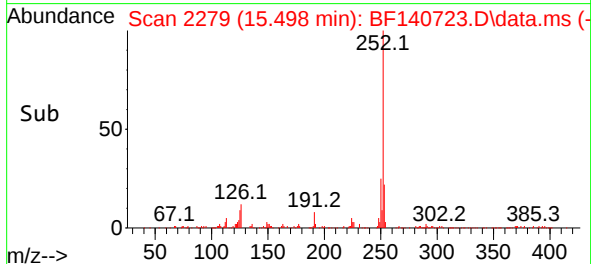
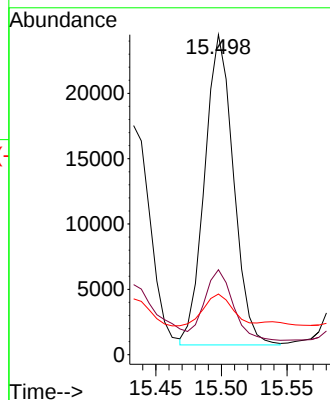
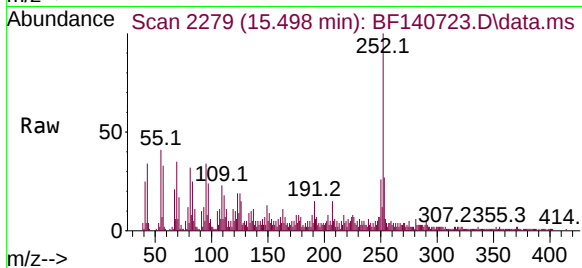
Tgt Ion:252 Resp: 36389

Ion Ratio Lower Upper

252 100

253 26.6 17.3 25.9#

125 19.0 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 3.078 ng

RT: 17.545 min Scan# 2627

Delta R.T. 0.035 min

Lab File: BF140723.D

Acq: 03 Dec 2024 20:36

Tgt Ion:276 Resp: 17220

Ion Ratio Lower Upper

276 100

277 27.4 18.9 28.3

138 23.3 13.2 19.8#

