

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140805.D
 Acq On : 10 Dec 2024 14:31
 Operator : RC/JU
 Sample : P5176-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-12062024

Quant Time: Dec 10 15:57:58 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)

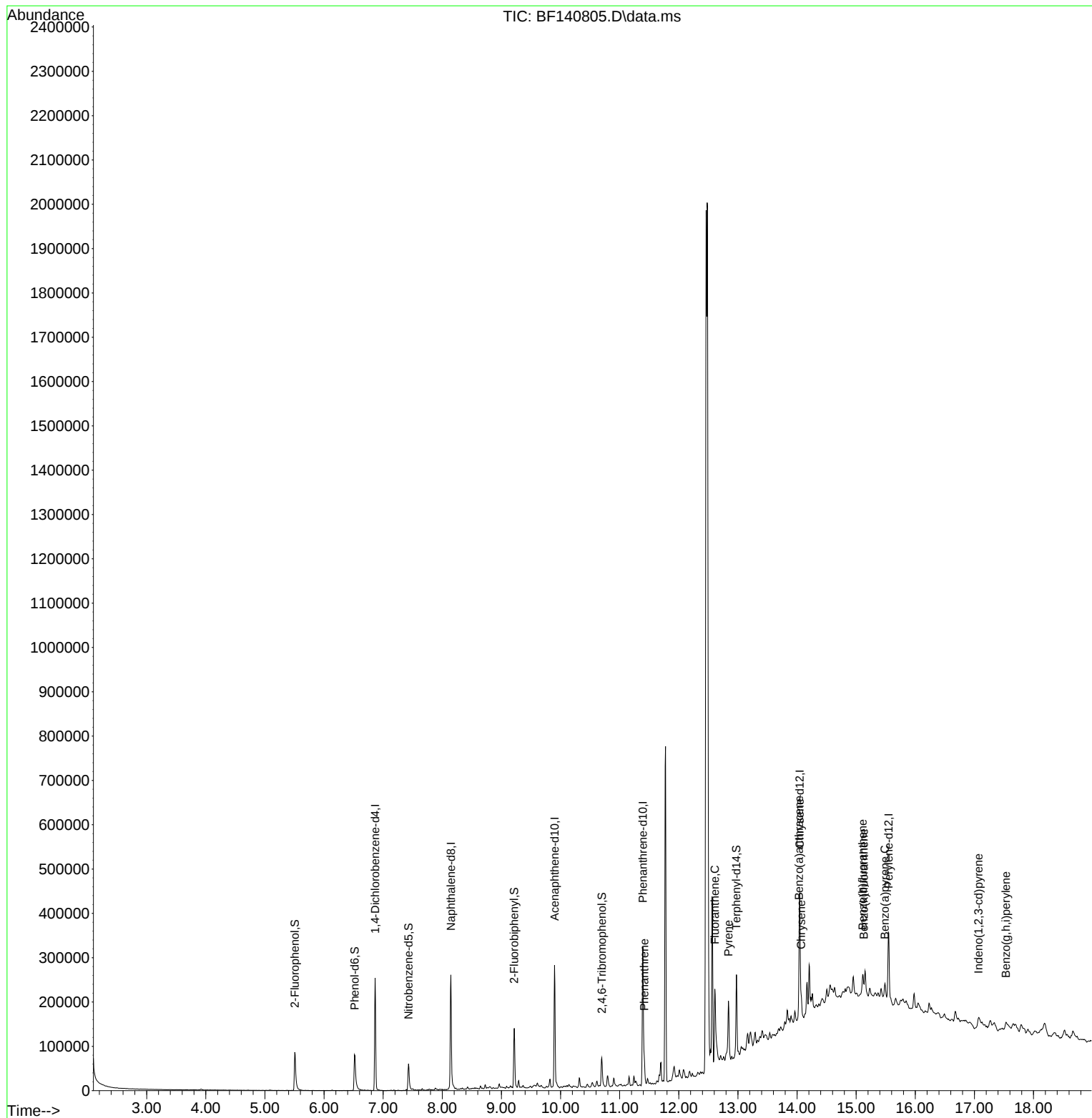
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55246	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	174680	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	83234	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	169049	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	122566	20.000	ng	0.00
86) Perylene-d12	15.551	264	92953	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	47037	14.527	ng	0.00
7) Phenol-d6	6.516	99	58745	13.723	ng	0.00
23) Nitrobenzene-d5	7.428	82	33856	9.914	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	13268	14.905	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	63352	11.340	ng	-0.02
79) Terphenyl-d14	12.974	244	88602	11.256	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	29754	3.662	ng	98
75) Fluoranthene	12.610	202	78616	8.911	ng	99
78) Pyrene	12.839	202	68187	6.017	ng	98
81) Benzo(a)anthracene	14.033	228	32734	4.035	ng	# 92
83) Chrysene	14.069	228	27998	3.774	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.068	276	12910	2.131	ng	93
88) Benzo(b)fluoranthene	15.110	252	31155m	5.336	ng	
89) Benzo(k)fluoranthene	15.127	252	11835m	2.316	ng	
90) Benzo(a)pyrene	15.486	252	20301	4.276	ng	# 86
92) Benzo(g,h,i)perylene	17.533	276	14316	2.828	ng	# 83

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

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-03-12062024

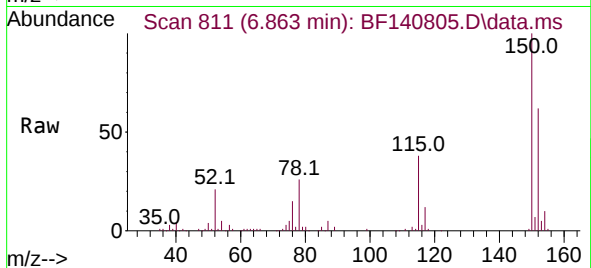
Quant Time: Dec 10 15:57:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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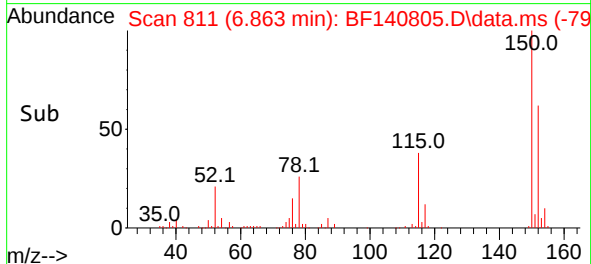
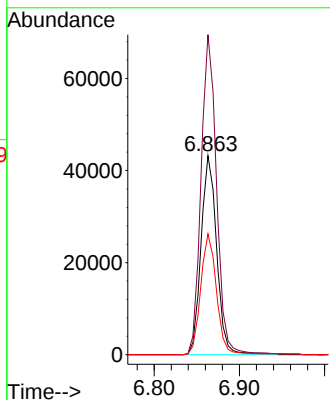


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

Instrument :
BNA_F
ClientSampleId :
EO-03-12062024

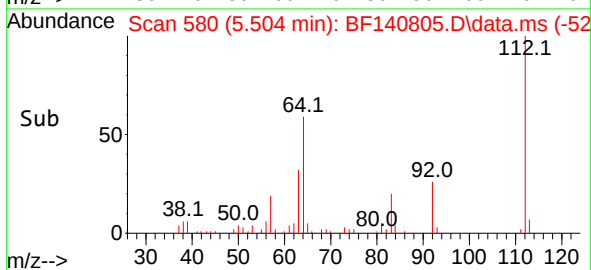
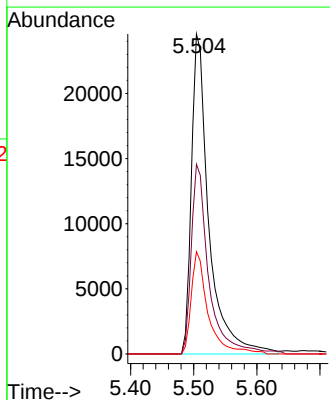
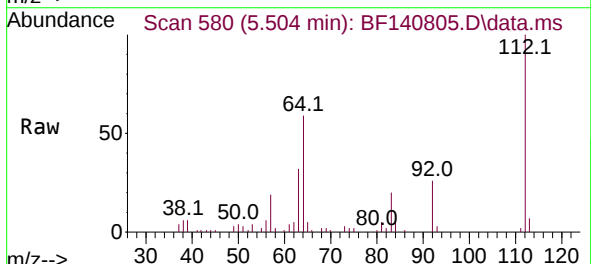


Tgt Ion:152 Resp: 55246
Ion Ratio Lower Upper
152 100
150 160.8 128.5 192.7
115 60.7 50.2 75.4



#5
2-Fluorophenol
Concen: 14.527 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

Tgt Ion:112 Resp: 47037
Ion Ratio Lower Upper
112 100
64 59.3 49.2 73.8
63 31.9 27.0 40.4

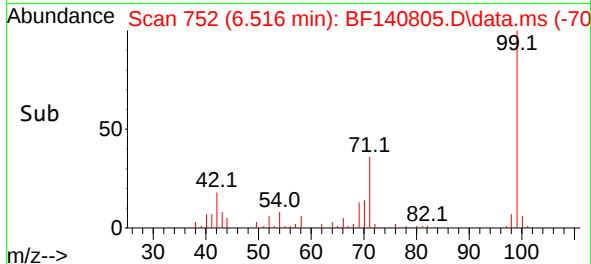
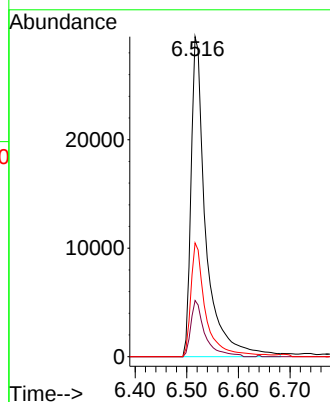
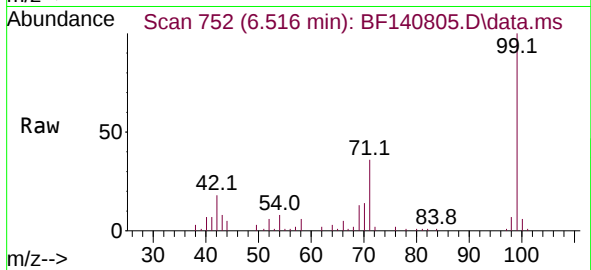




#7
Phenol-d6
Concen: 13.723 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

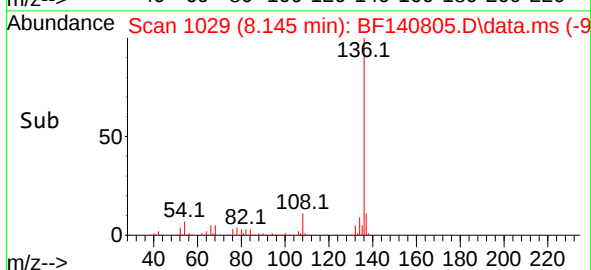
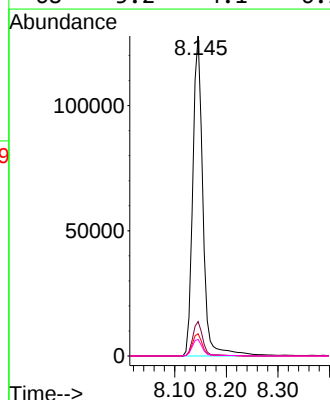
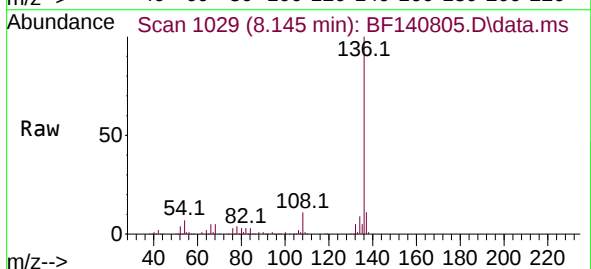
Instrument :
BNA_F
ClientSampleId :
EO-03-12062024

Tgt Ion: 99 Resp: 58745
Ion Ratio Lower Upper
99 100
42 17.6 15.4 23.0
71 35.5 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: BF140805.D
Acq: 10 Dec 2024 14:31

Tgt Ion: 136 Resp: 174680
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.0 5.8 8.8
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 9.914 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Instrument :

BNA_F

ClientSampleId :

EO-03-12062024

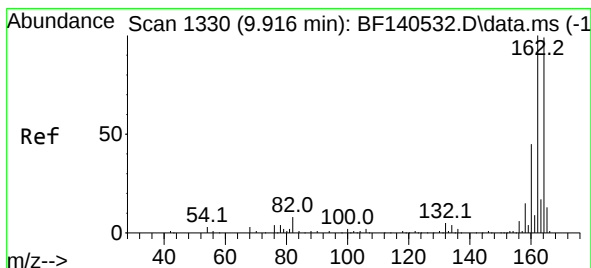
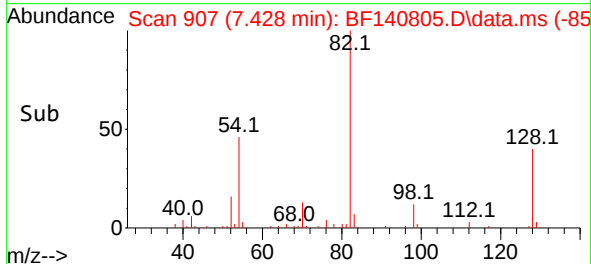
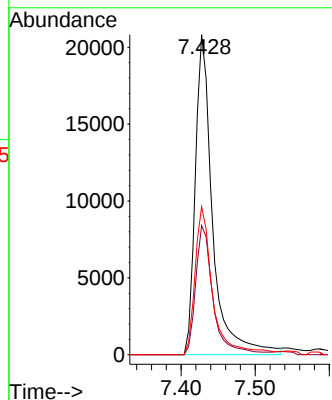
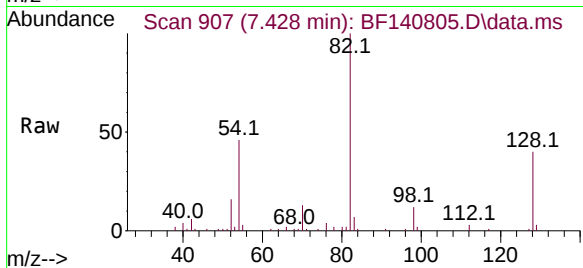
Tgt Ion: 82 Resp: 33856

Ion Ratio Lower Upper

82 100

128 40.3 33.0 49.4

54 46.3 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: BF140805.D

Acq: 10 Dec 2024 14:31

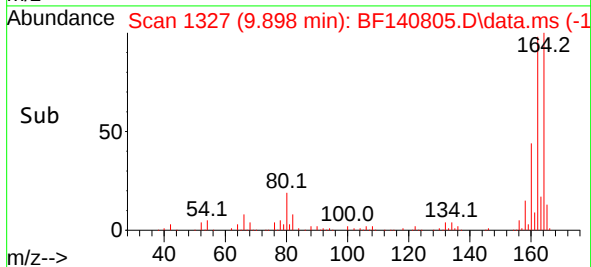
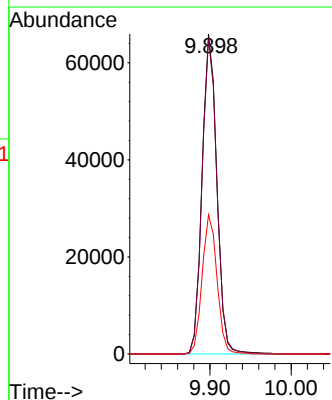
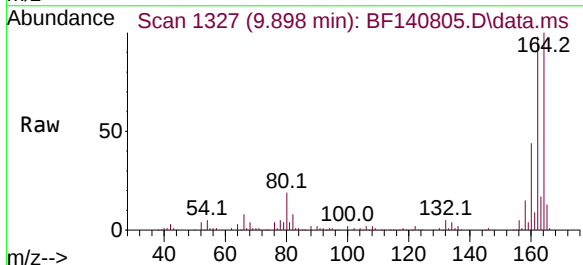
Tgt Ion:164 Resp: 83234

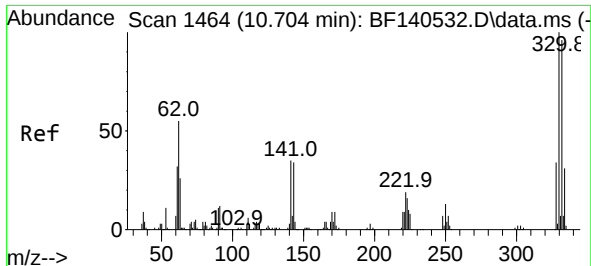
Ion Ratio Lower Upper

164 100

162 98.5 80.6 120.8

160 43.5 36.2 54.4

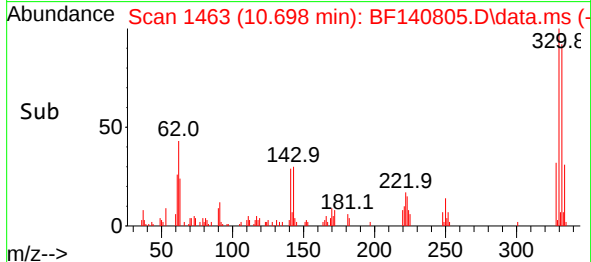
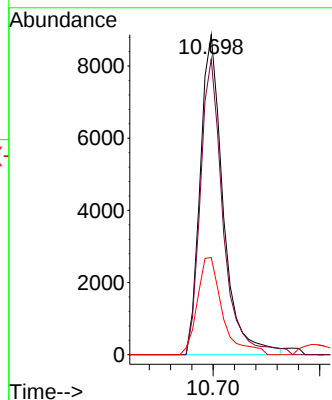
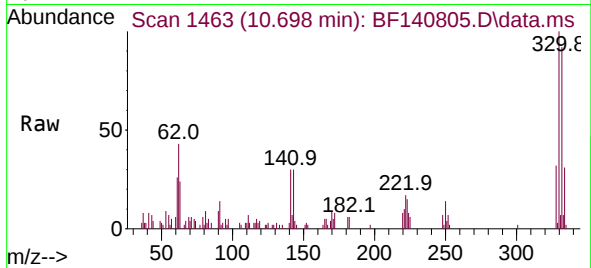




#42
2,4,6-Tribromophenol
Concen: 14.905 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

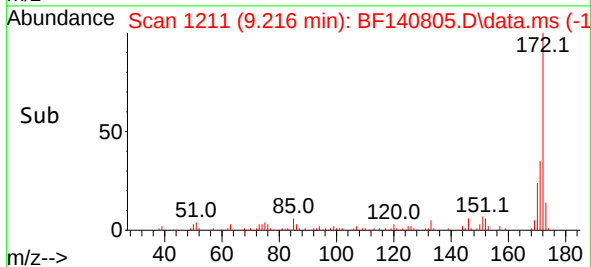
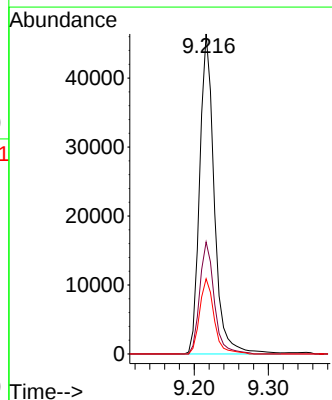
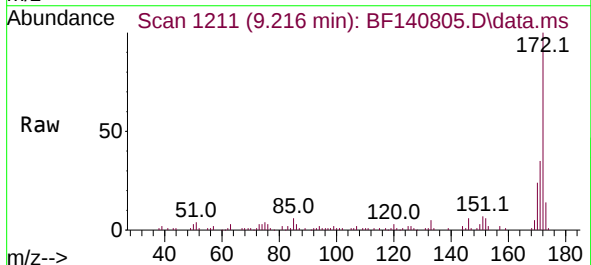
Instrument :
BNA_F
ClientSampleId :
EO-03-12062024

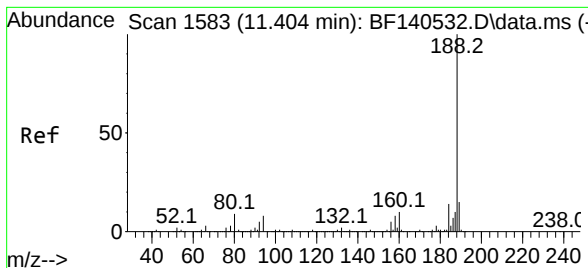
Tgt Ion:330 Resp: 13268
Ion Ratio Lower Upper
330 100
332 91.2 76.9 115.3
141 33.2 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 11.340 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

Tgt Ion:172 Resp: 63352
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Instrument :

BNA_F

ClientSampleId :

EO-03-12062024

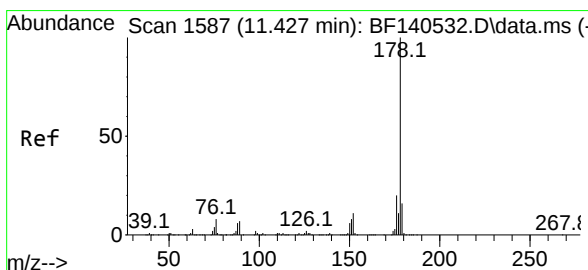
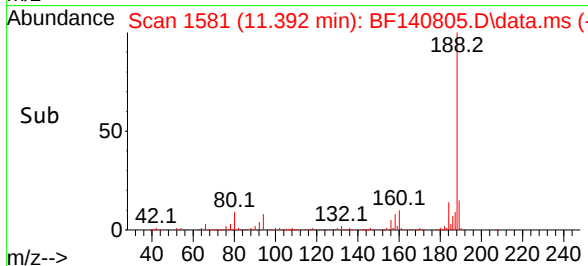
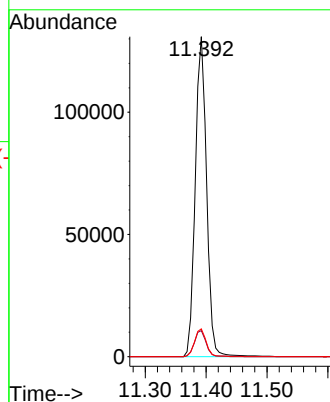
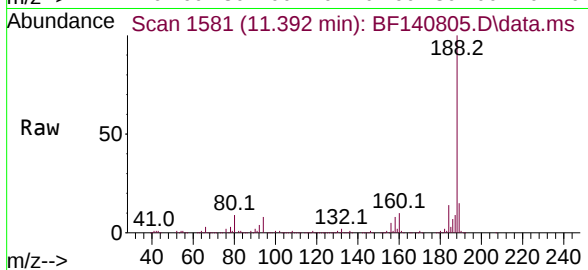
Tgt Ion:188 Resp: 169049

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 8.7 6.9 10.3



#71

Phenanthrene

Concen: 3.662 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

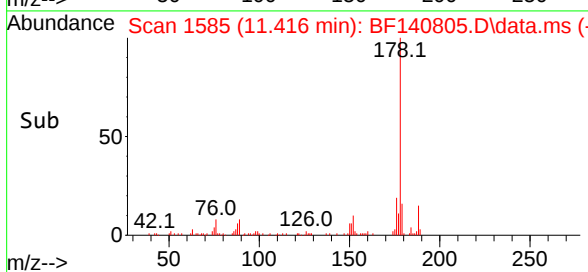
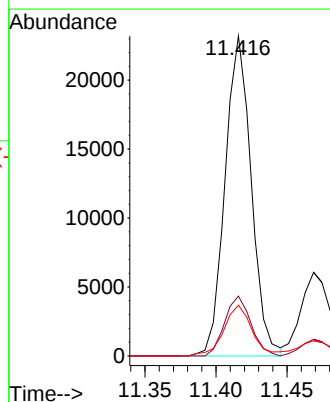
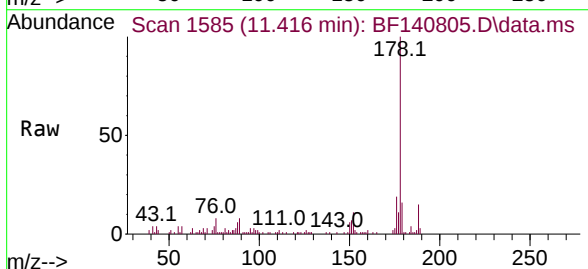
Tgt Ion:178 Resp: 29754

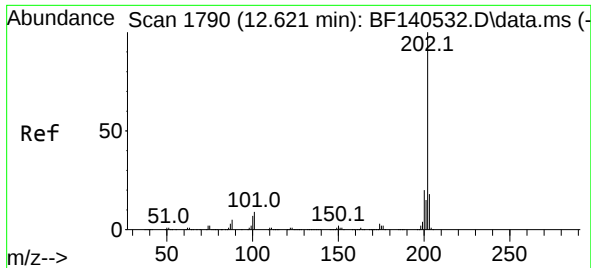
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 15.8 12.4 18.6

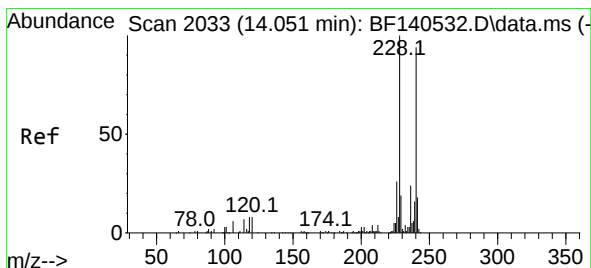
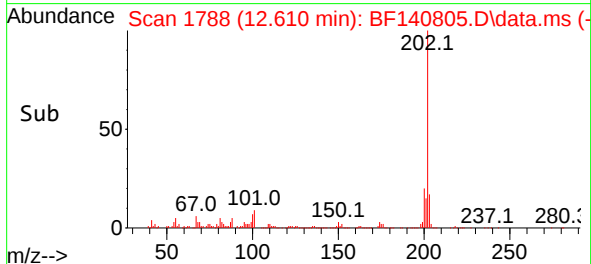
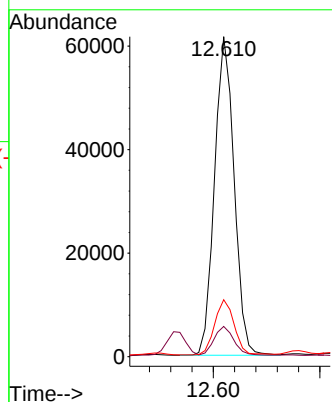
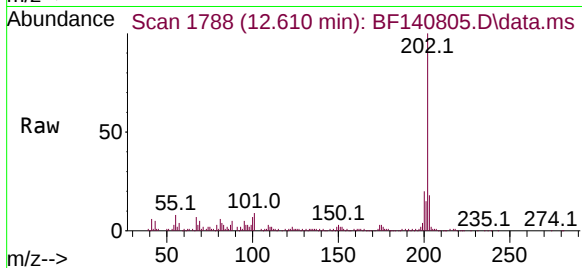




#75
Fluoranthene
Concen: 8.911 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

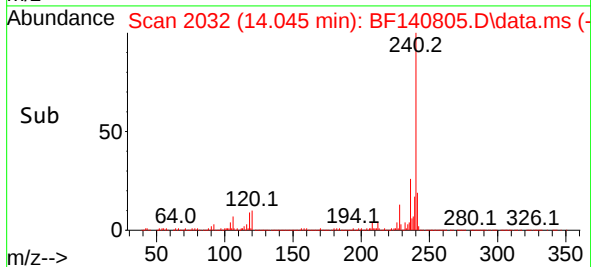
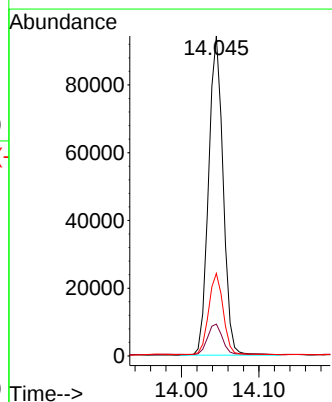
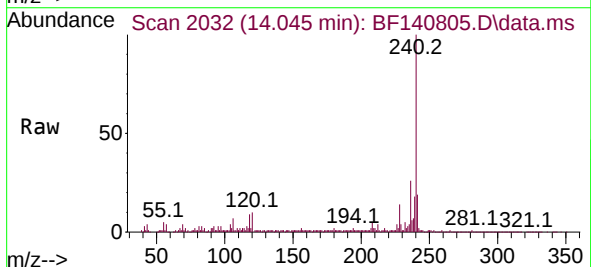
Instrument :
BNA_F
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EO-03-12062024

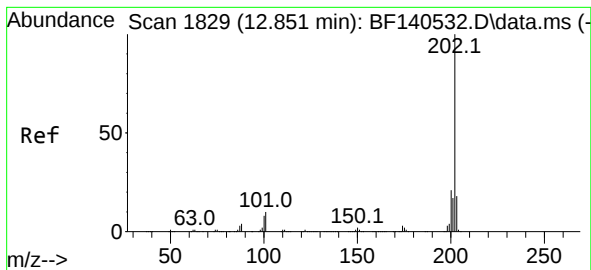
Tgt Ion:202 Resp: 78616
Ion Ratio Lower Upper
202 100
101 9.5 0.0 28.9
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

Tgt Ion:240 Resp: 122566
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.8 20.6 31.0





#78

Pyrene

Concen: 6.017 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Instrument :

BNA_F

ClientSampleId :

EO-03-12062024

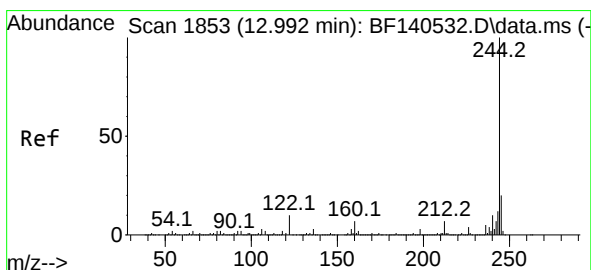
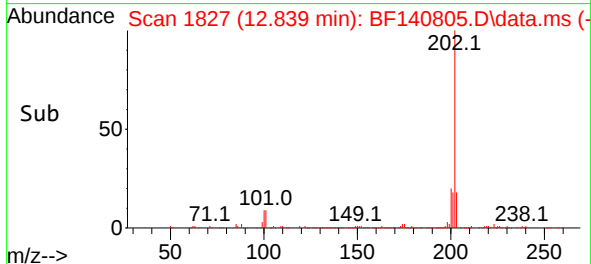
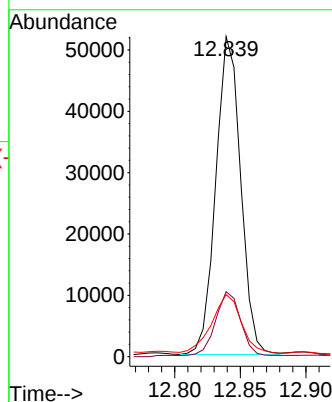
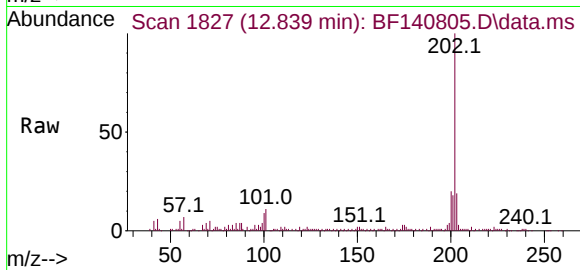
Tgt Ion:202 Resp: 68187

Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

203 19.4 14.2 21.4



#79

Terphenyl-d14

Concen: 11.256 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

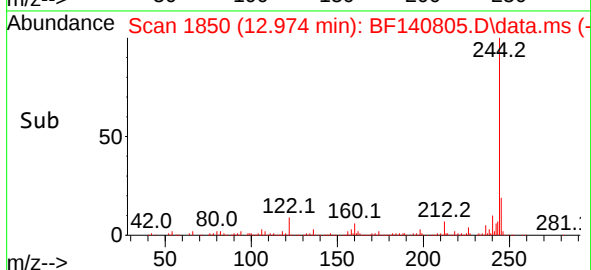
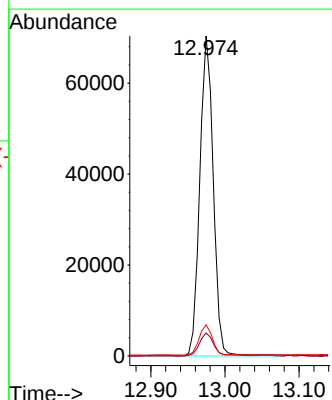
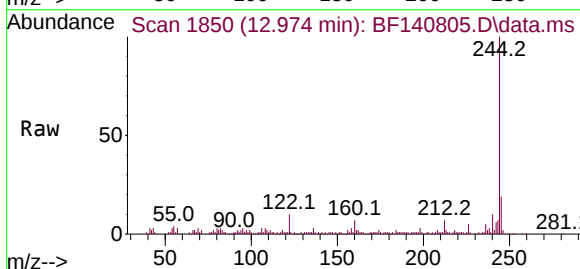
Tgt Ion:244 Resp: 88602

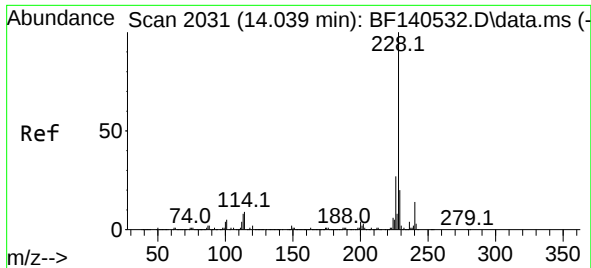
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 9.7 8.0 12.0

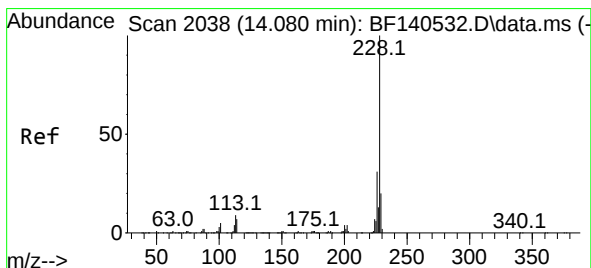
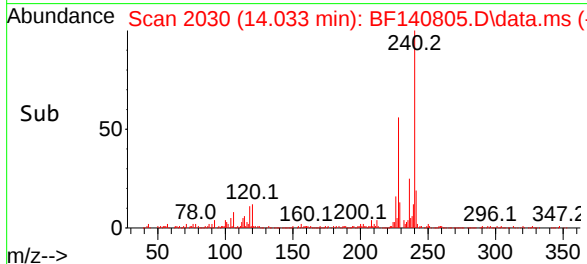
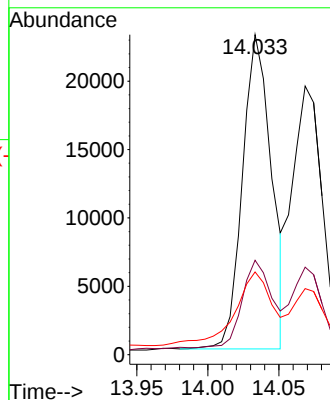
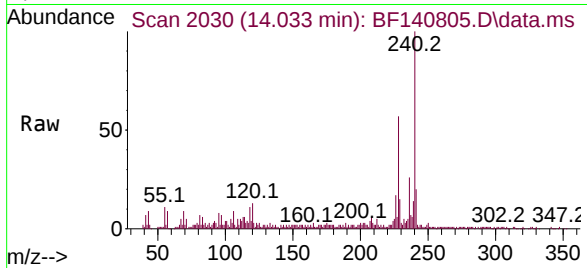




#81
Benzo(a)anthracene
Concen: 4.035 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

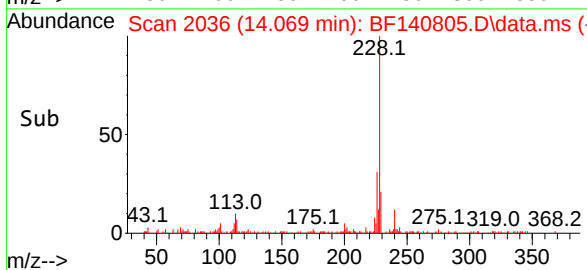
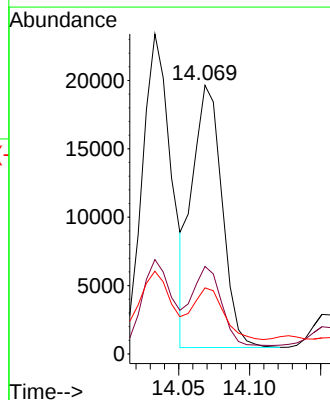
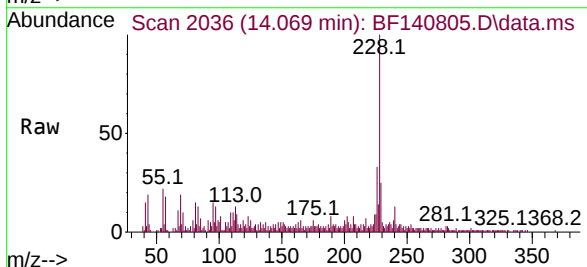
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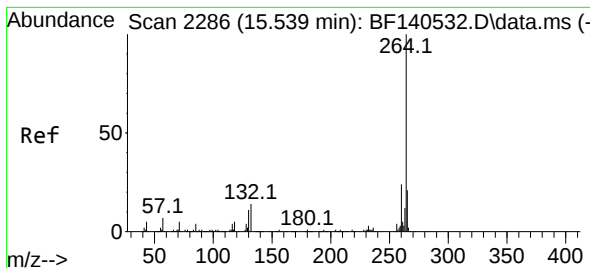
Tgt Ion:228 Resp: 32734
Ion Ratio Lower Upper
228 100
226 29.5 21.8 32.8
229 25.8 15.8 23.6#



#83
Chrysene
Concen: 3.774 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140805.D
Acq: 10 Dec 2024 14:31

Tgt Ion:228 Resp: 27998
Ion Ratio Lower Upper
228 100
226 32.6 24.4 36.6
229 24.6 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Instrument :

BNA_F

ClientSampleId :

EO-03-12062024

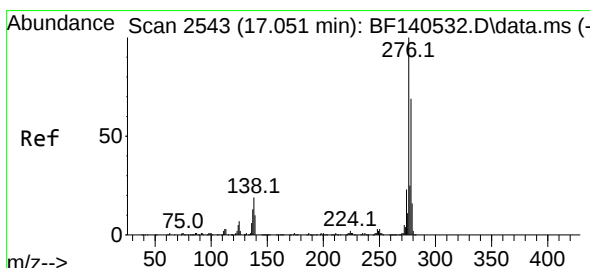
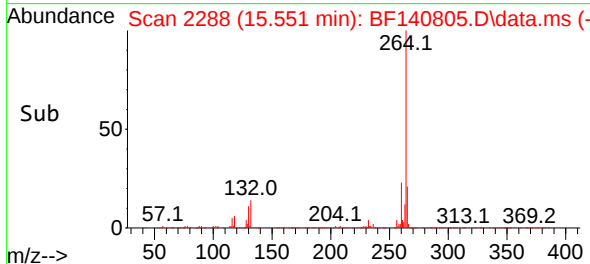
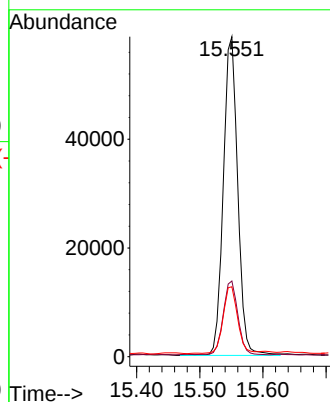
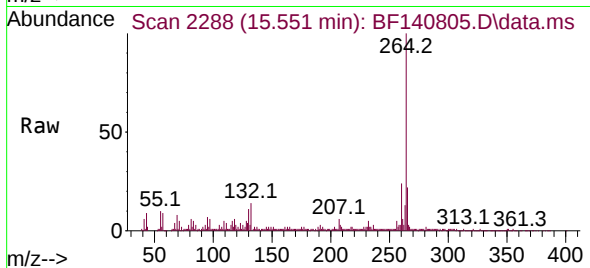
Tgt Ion:264 Resp: 92953

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.8 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.131 ng

RT: 17.068 min Scan# 2546

Delta R.T. 0.018 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

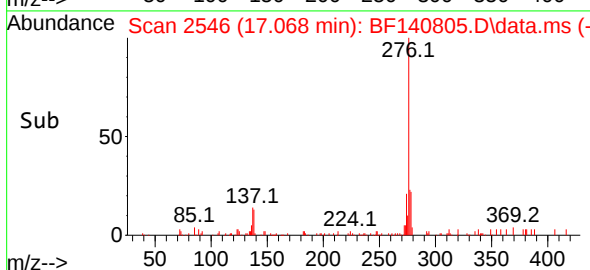
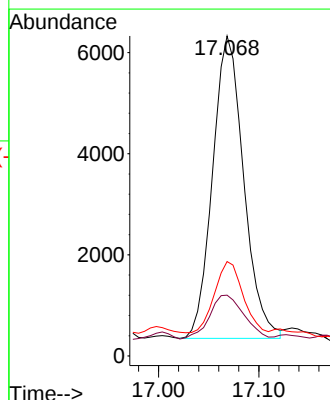
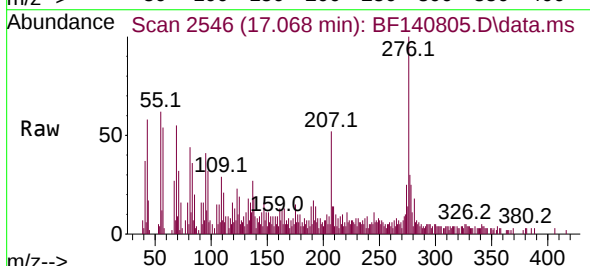
Tgt Ion:276 Resp: 12910

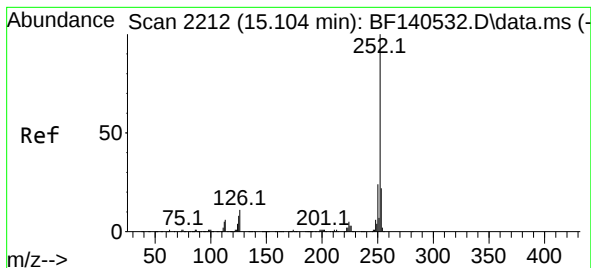
Ion Ratio Lower Upper

276 100

138 16.0 15.5 23.3

277 21.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.336 ng m

RT: 15.110 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Instrument :

BNA_F

ClientSampleId :

EO-03-12062024

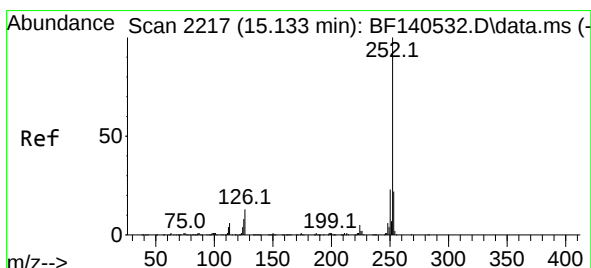
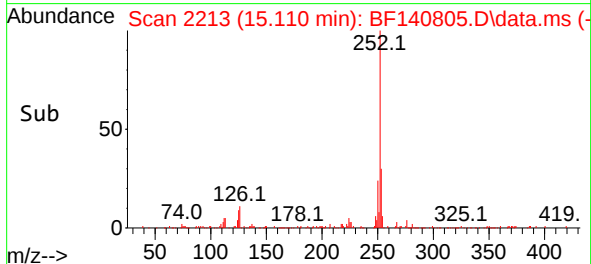
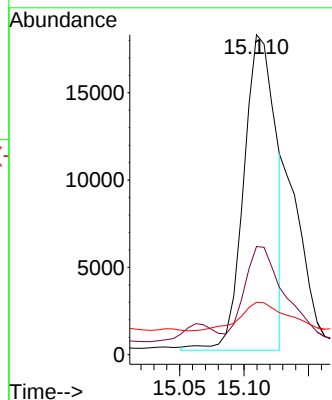
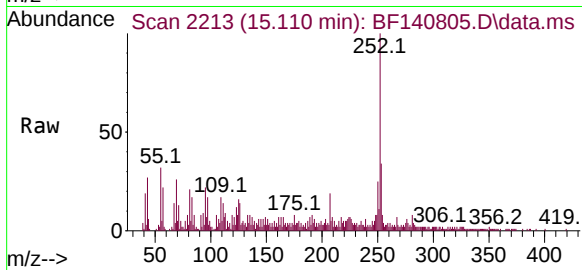
Tgt Ion:252 Resp: 31155

Ion Ratio Lower Upper

252 100

253 33.8 17.2 25.8#

125 16.4 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 2.316 ng m

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

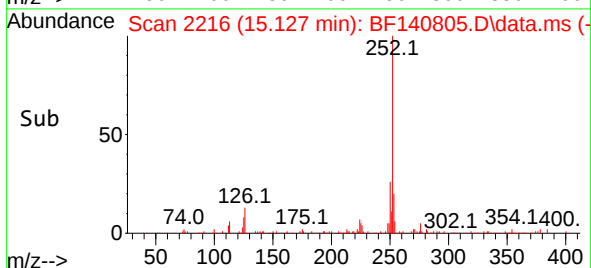
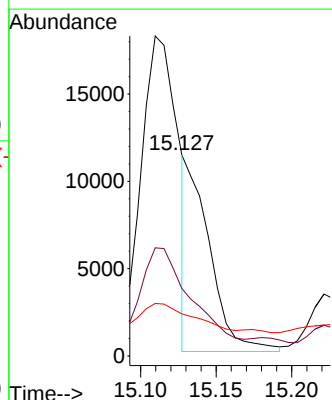
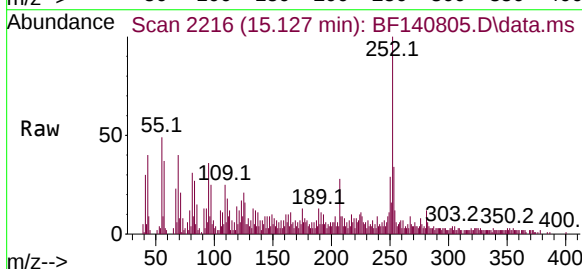
Tgt Ion:252 Resp: 11835

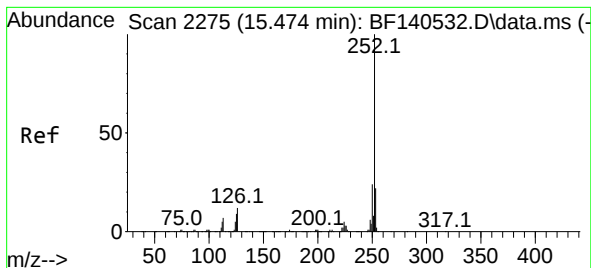
Ion Ratio Lower Upper

252 100

253 33.5 17.5 26.3#

125 20.9 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 4.276 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Instrument :

BNA_F

ClientSampleId :

EO-03-12062024

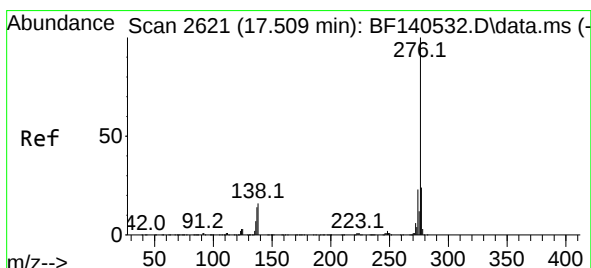
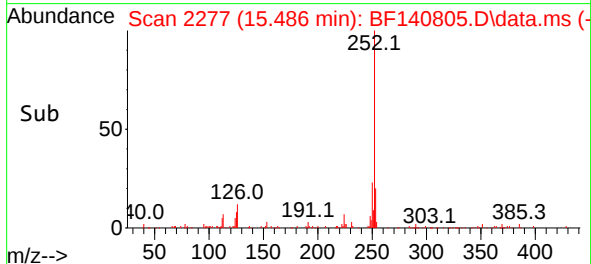
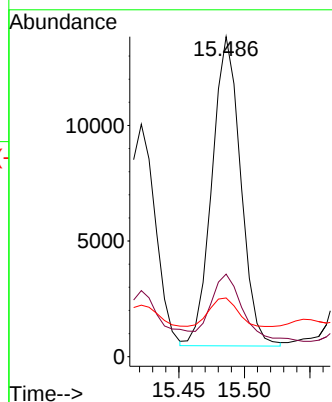
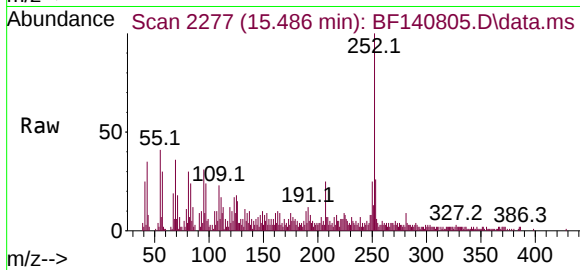
Tgt Ion:252 Resp: 20301

Ion Ratio Lower Upper

252 100

253 25.8 17.3 25.9

125 18.4 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 2.828 ng

RT: 17.533 min Scan# 2625

Delta R.T. 0.024 min

Lab File: BF140805.D

Acq: 10 Dec 2024 14:31

Tgt Ion:276 Resp: 14316

Ion Ratio Lower Upper

276 100

277 32.0 18.9 28.3#

138 23.6 13.2 19.8#

