

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140804.D
 Acq On : 10 Dec 2024 14:05
 Operator : RC/JU
 Sample : P5176-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-12062024

Quant Time: Dec 10 15:27:51 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)

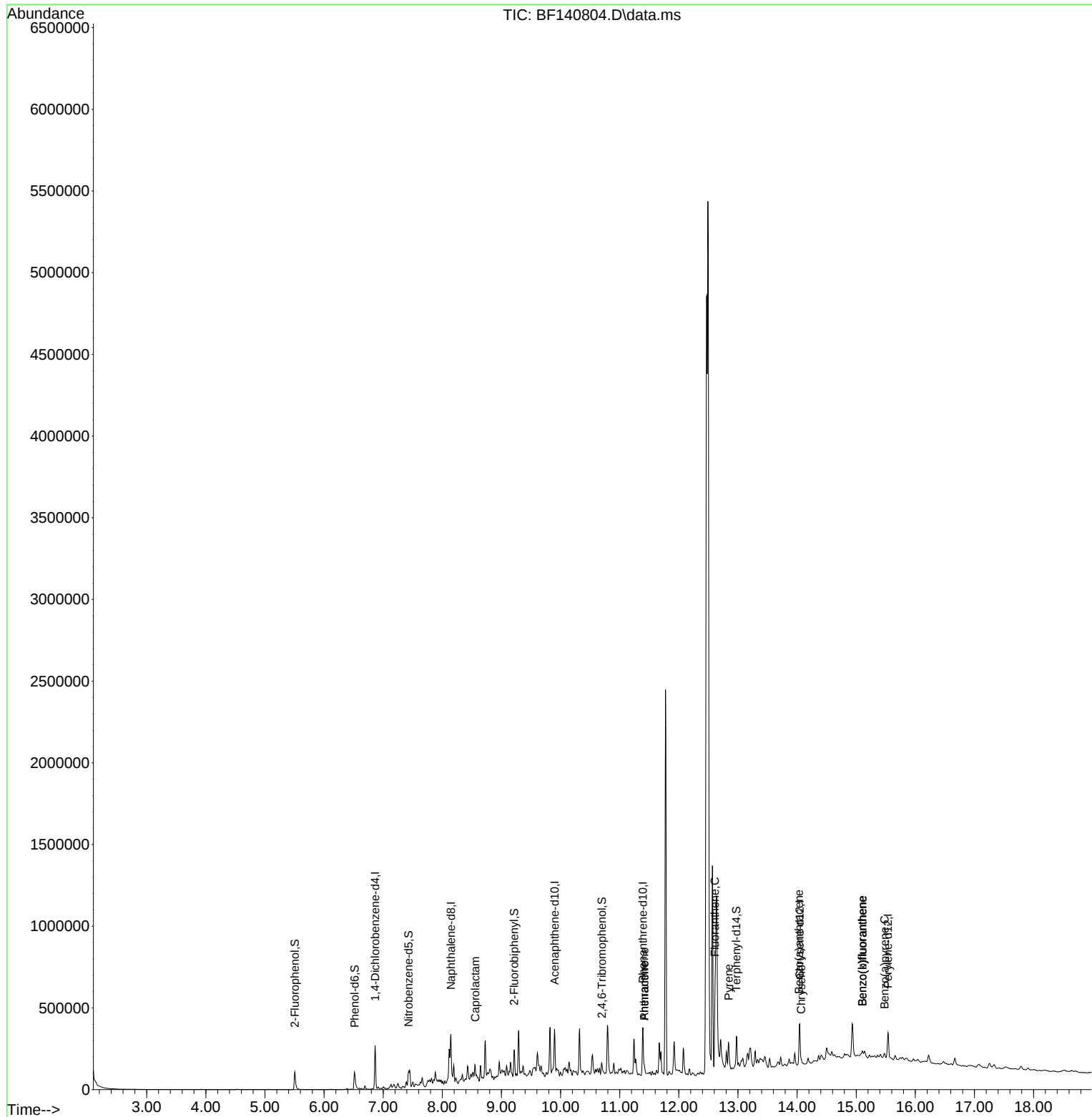
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55810	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	176490	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	80315	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	155920	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	114253	20.000	ng	0.00
86) Perylene-d12	15.539	264	86553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	55812	17.063	ng	0.00
7) Phenol-d6	6.516	99	69276	16.020	ng	0.00
23) Nitrobenzene-d5	7.428	82	39421	11.425	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	13919	16.204	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	73535	13.642	ng	-0.02
79) Terphenyl-d14	12.974	244	89299	12.170	ng	-0.02
Target Compounds						
						Qvalue
35) Caprolactam	8.557	113	3011	3.883	ng	# 1
71) Phenanthrene	11.416	178	20368	2.718	ng	96
72) Anthracene	11.416	178	20368	2.778	ng	94
75) Fluoranthene	12.610	202	41161	5.058	ng	96
78) Pyrene	12.845	202	42896	4.061	ng	98
81) Benzo(a)anthracene	14.033	228	20198	2.671	ng	# 91
83) Chrysene	14.068	228	16256	2.351	ng	# 93
88) Benzo(b)fluoranthene	15.104	252	23198	4.267	ng	# 57
89) Benzo(k)fluoranthene	15.104	252	23198	4.876	ng	# 57
90) Benzo(a)pyrene	15.480	252	12729	2.880	ng	# 78

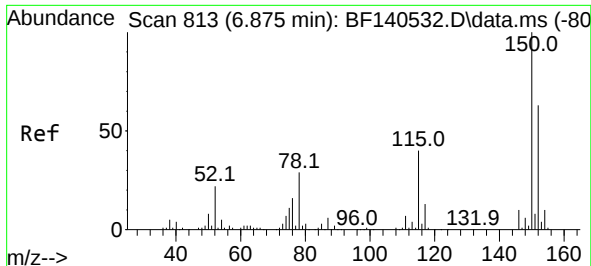
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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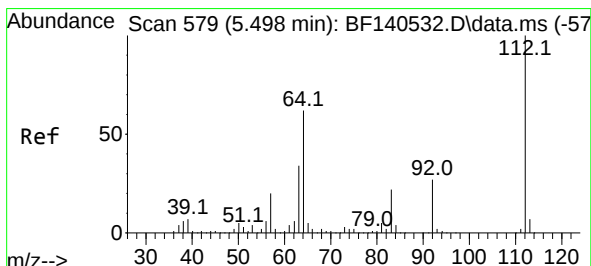
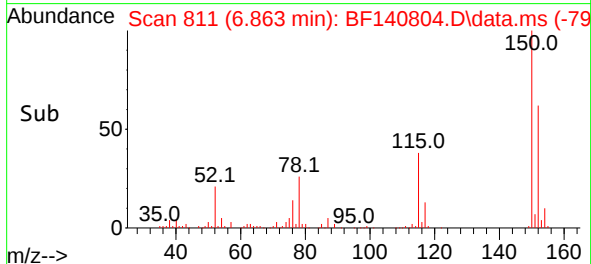
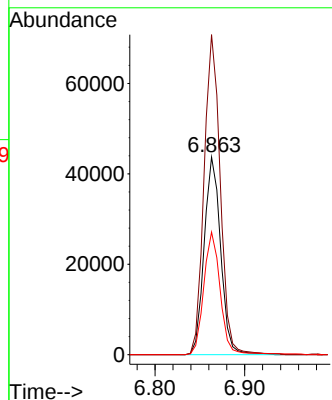
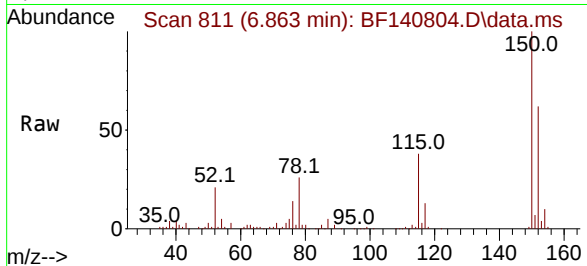




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

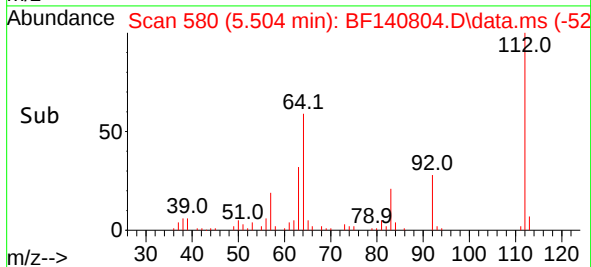
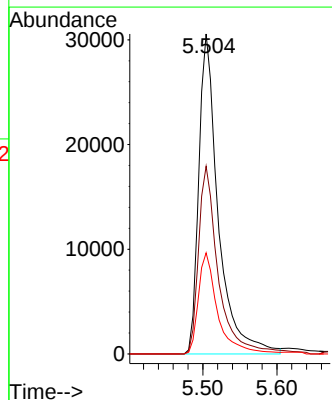
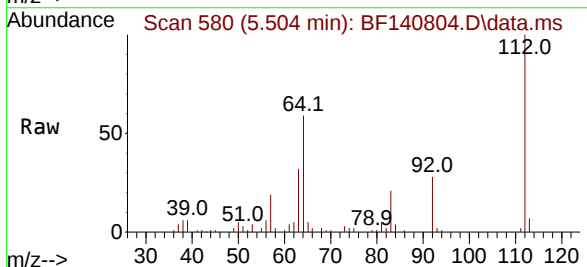
Instrument :
BNA_F
ClientSampleId :
EO-02-12062024

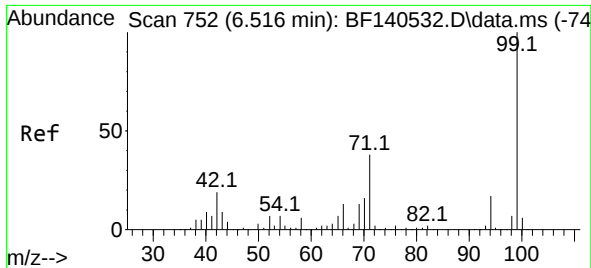
Tgt Ion:152 Resp: 55810
Ion Ratio Lower Upper
152 100
150 161.9 128.5 192.7
115 62.0 50.2 75.4



#5
2-Fluorophenol
Concen: 17.063 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

Tgt Ion:112 Resp: 55812
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 31.6 27.0 40.4





#7

Phenol-d6

Concen: 16.020 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

Instrument :

BNA_F

ClientSampleId :

EO-02-12062024

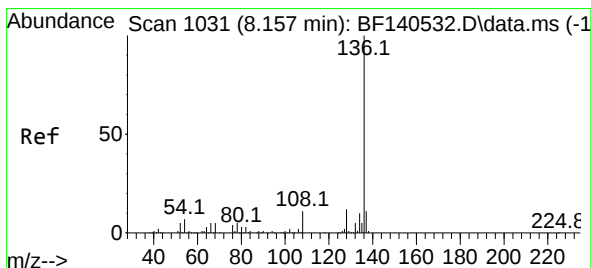
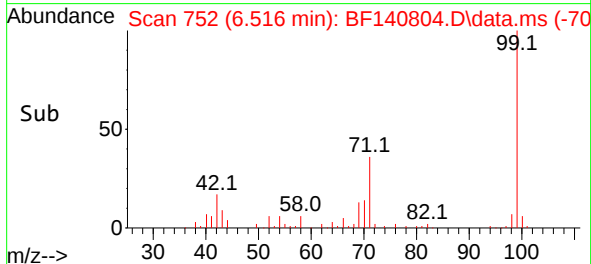
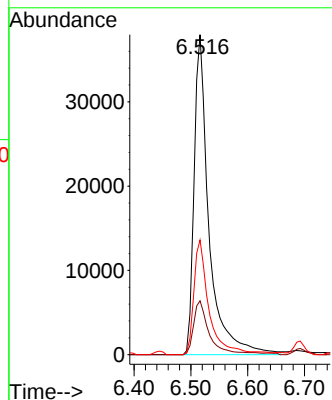
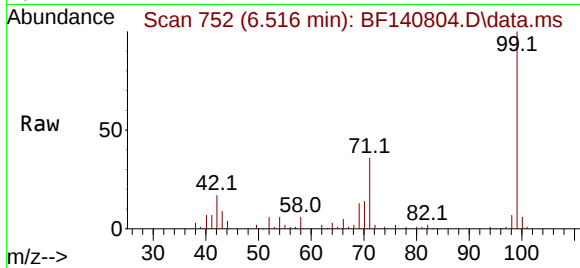
Tgt Ion: 99 Resp: 69276

Ion Ratio Lower Upper

99 100

42 16.8 15.4 23.0

71 35.9 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: BF140804.D

Acq: 10 Dec 2024 14:05

Tgt Ion: 136 Resp: 176490

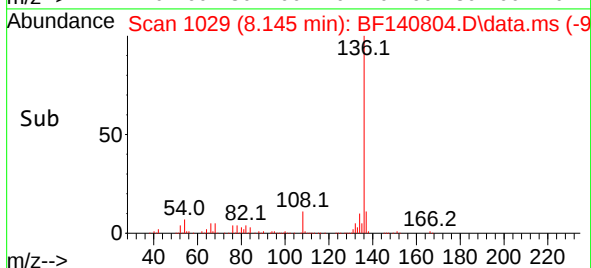
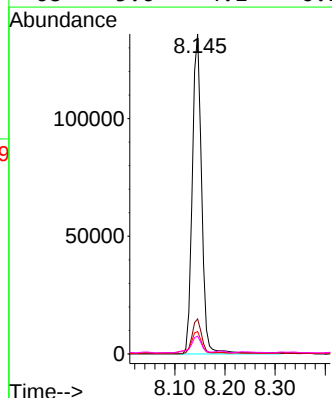
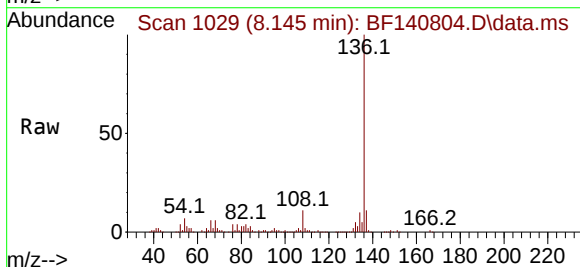
Ion Ratio Lower Upper

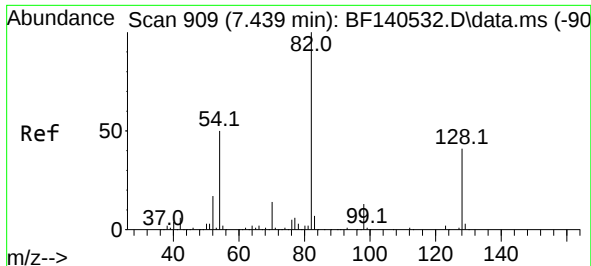
136 100

137 10.9 8.6 13.0

54 7.0 5.8 8.8

68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 11.425 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

Instrument :

BNA_F

ClientSampleId :

EO-02-12062024

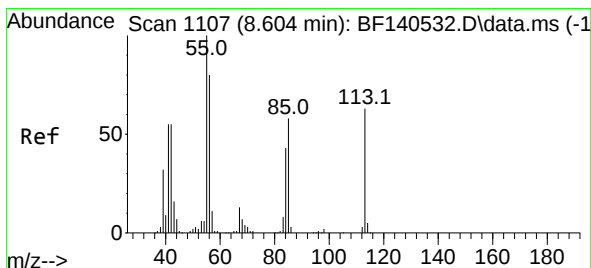
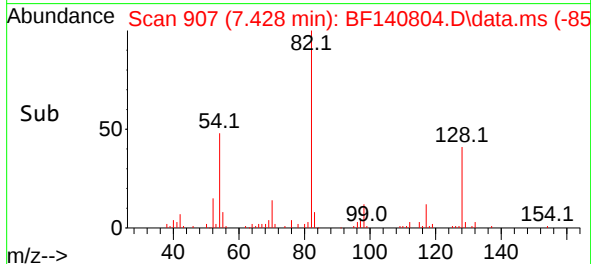
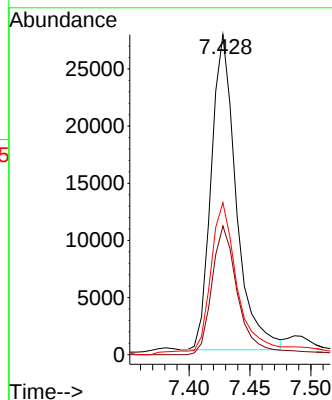
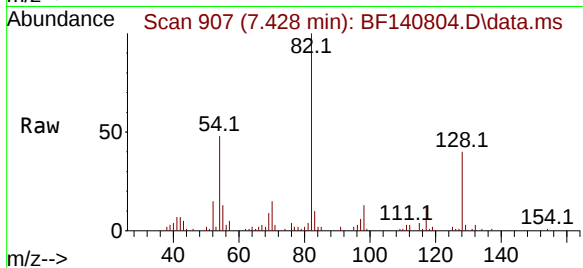
Tgt Ion: 82 Resp: 39421

Ion Ratio Lower Upper

82 100

128 40.2 33.0 49.4

54 47.5 39.5 59.3



#35

Caprolactam

Concen: 3.883 ng

RT: 8.557 min Scan# 1099

Delta R.T. -0.047 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

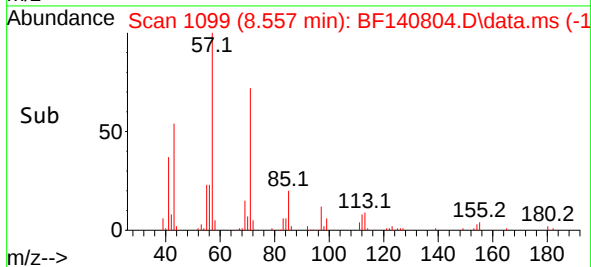
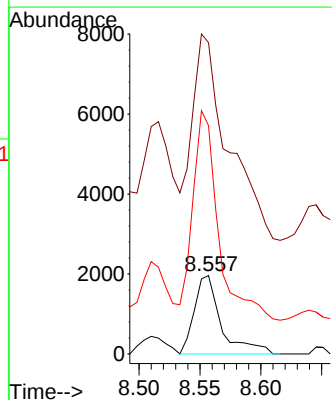
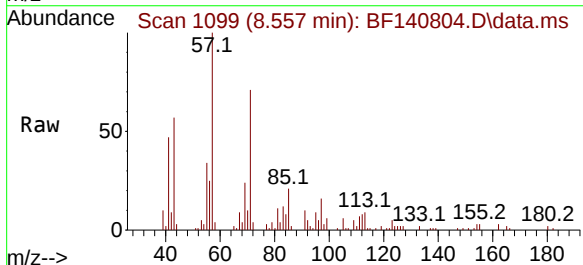
Tgt Ion: 113 Resp: 3011

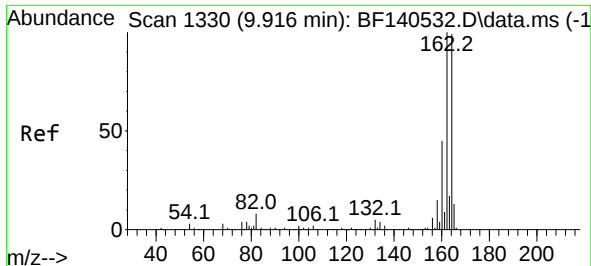
Ion Ratio Lower Upper

113 100

55 396.8 137.7 177.7#

56 290.9 106.4 146.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

Instrument :

BNA_F

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EO-02-12062024

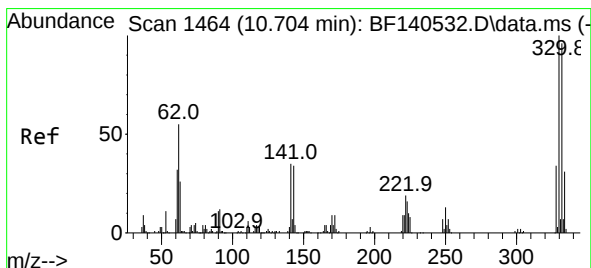
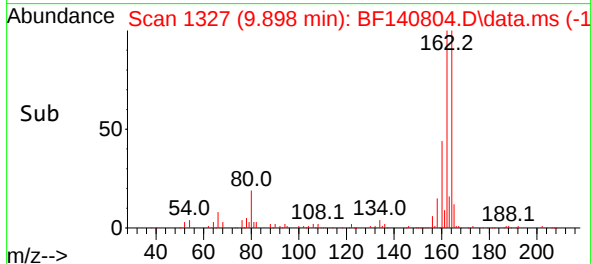
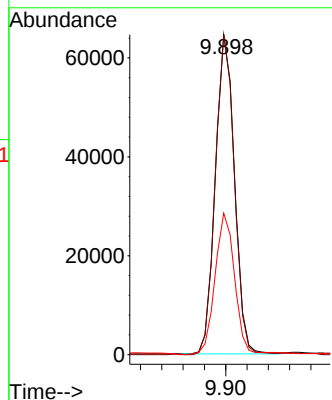
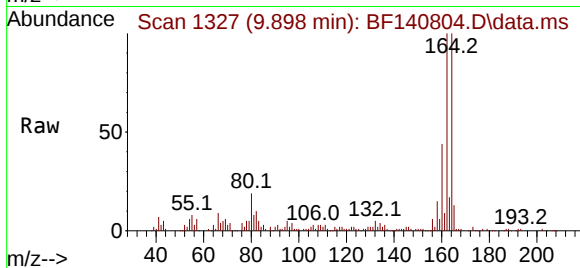
Tgt Ion:164 Resp: 80315

Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

160 44.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 16.204 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

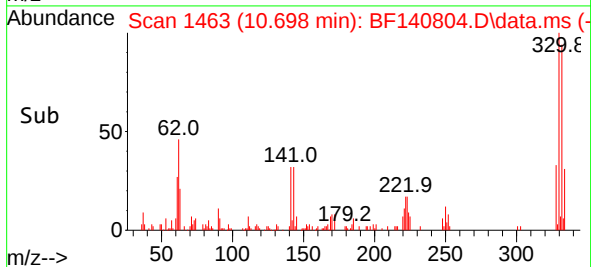
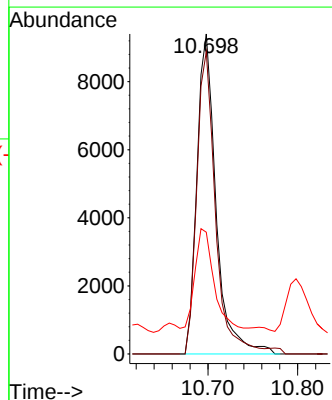
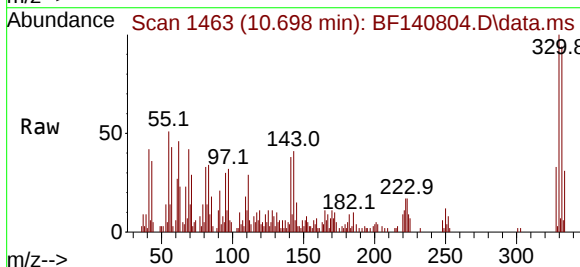
Tgt Ion:330 Resp: 13919

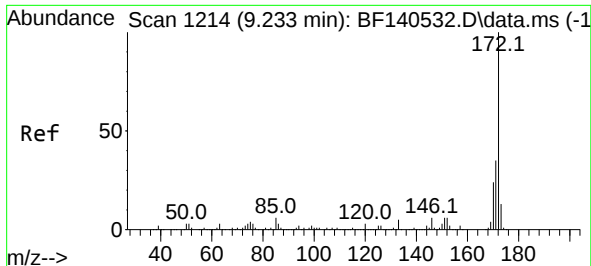
Ion Ratio Lower Upper

330 100

332 92.0 76.9 115.3

141 30.4 26.7 40.1

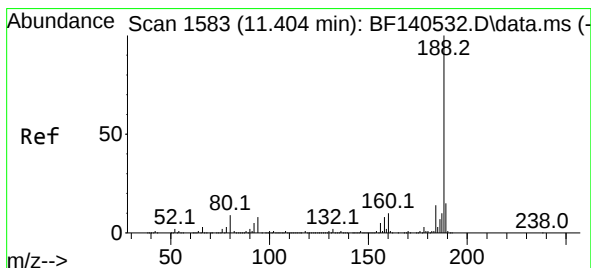
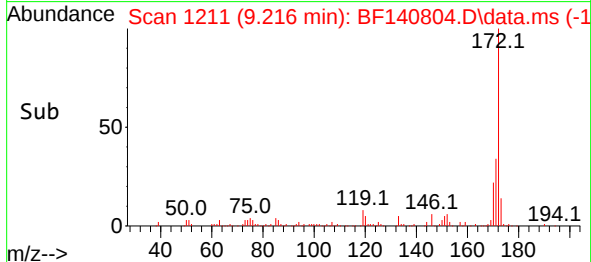
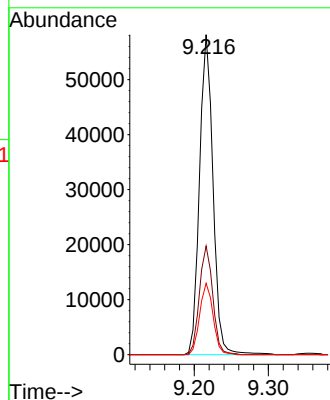
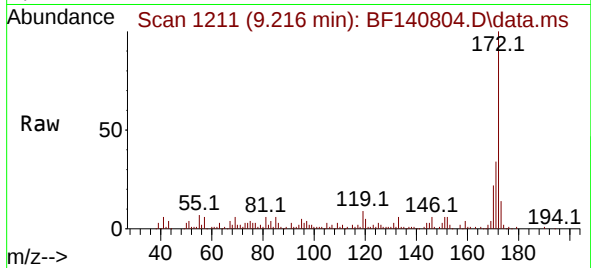




#45
2-Fluorobiphenyl
Concen: 13.642 ng
RT: 9.216 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

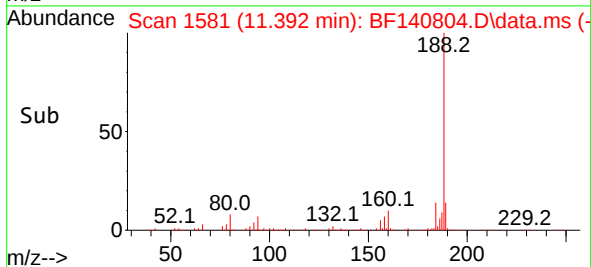
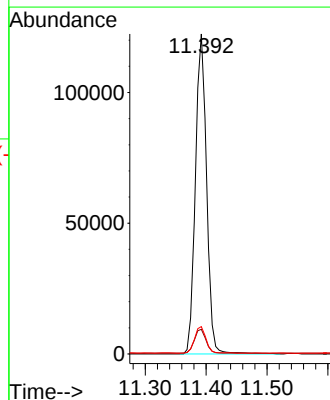
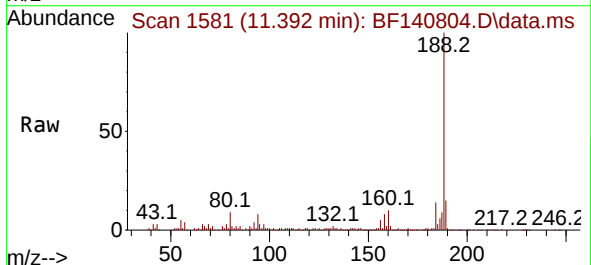
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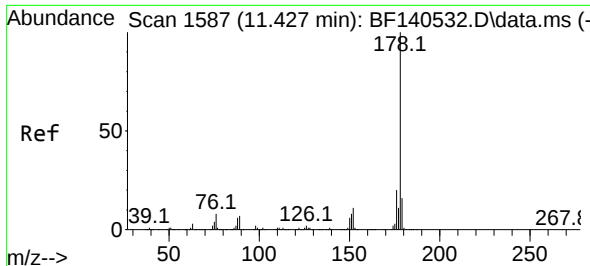
Tgt Ion:172 Resp: 73535
Ion Ratio Lower Upper
172 100
171 34.0 28.4 42.6
170 22.3 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

Tgt Ion:188 Resp: 155920
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.6 6.9 10.3

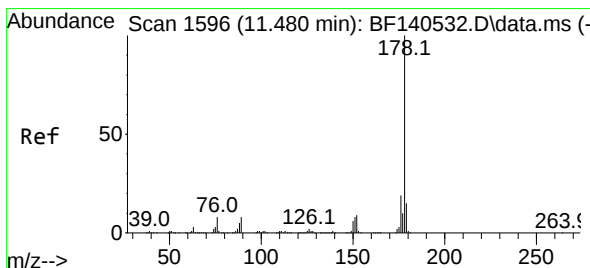
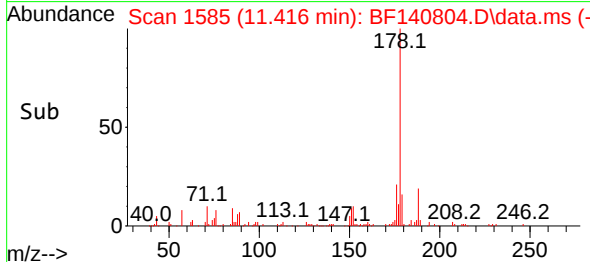
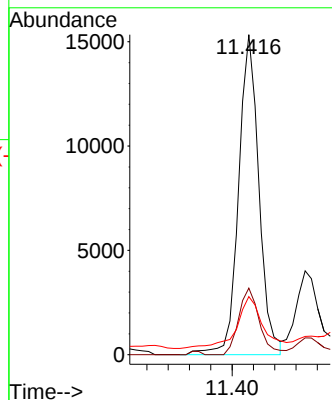
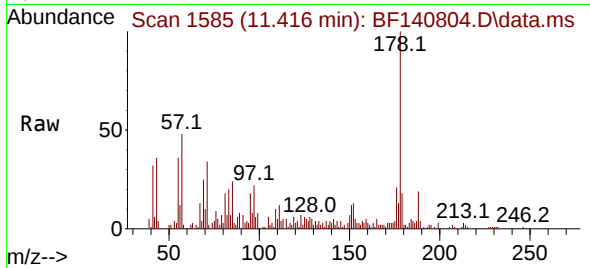




#71
Phenanthrene
Concen: 2.718 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

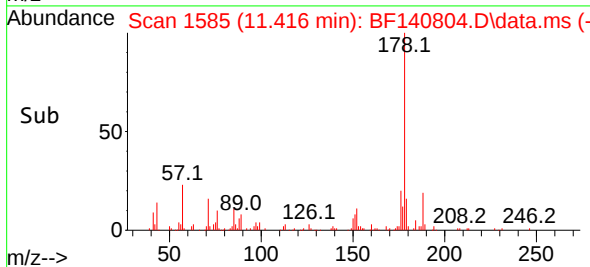
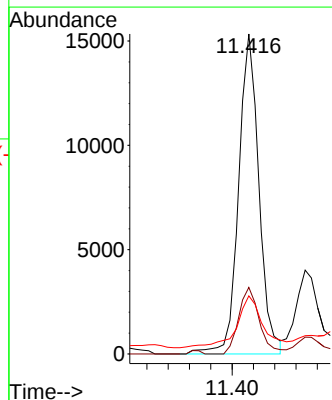
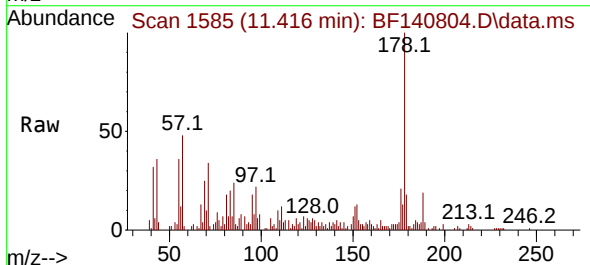
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BNA_F
ClientSampleId :
EO-02-12062024

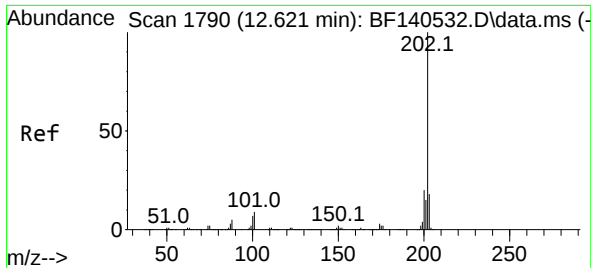
Tgt Ion:178	Resp:	20368
Ion Ratio	Lower	Upper
178	100	
176	20.8	15.8 23.6
179	18.2	12.4 18.6



#72
Anthracene
Concen: 2.778 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.065 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

Tgt Ion:178	Resp:	20368
Ion Ratio	Lower	Upper
178	100	
176	20.8	15.0 22.4
179	18.2	12.2 18.4

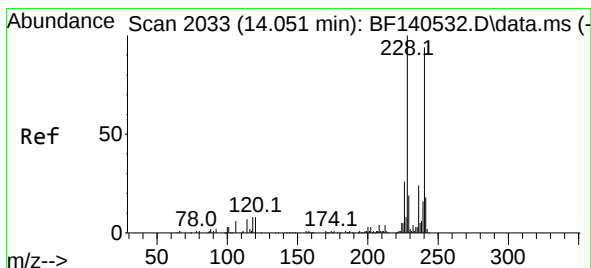
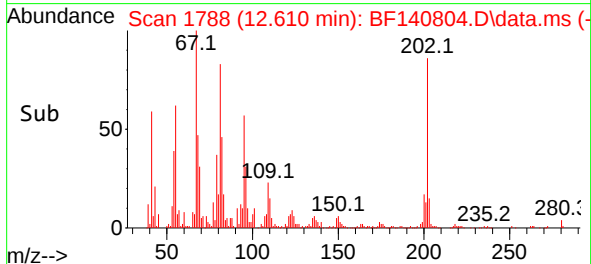
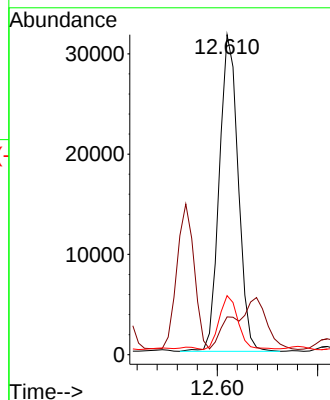
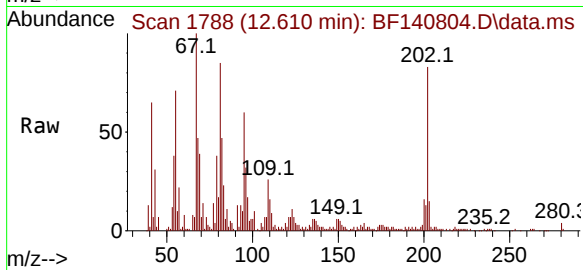




#75
Fluoranthene
Concen: 5.058 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

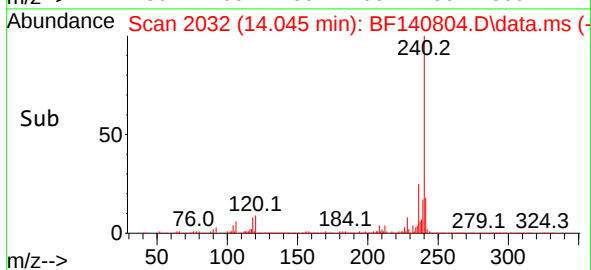
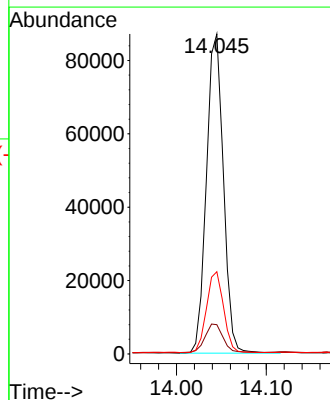
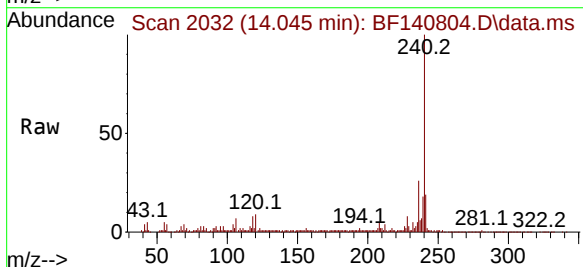
Instrument :
BNA_F
ClientSampleId :
EO-02-12062024

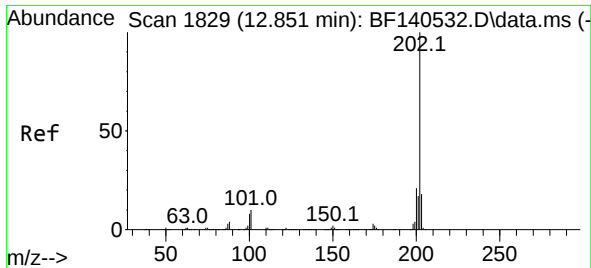
Tgt Ion:	202	Resp:	41161
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	28.9
203	18.5	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

Tgt Ion:	240	Resp:	114253
Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.3	10.9
236	25.7	20.6	31.0

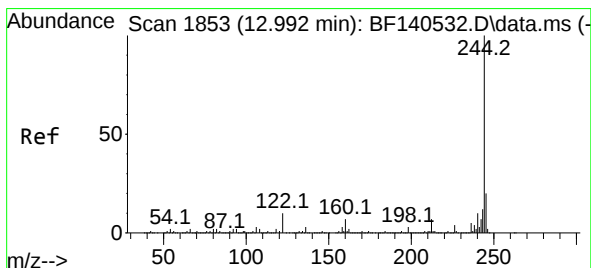
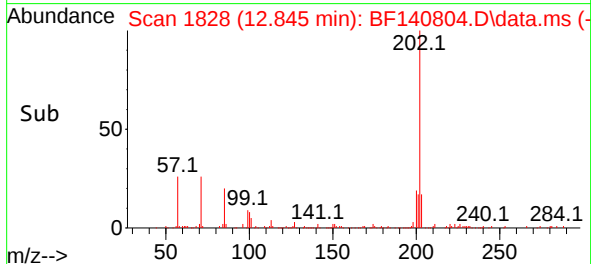
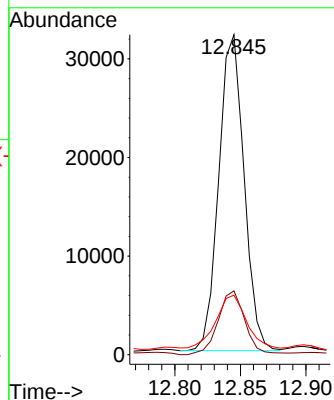
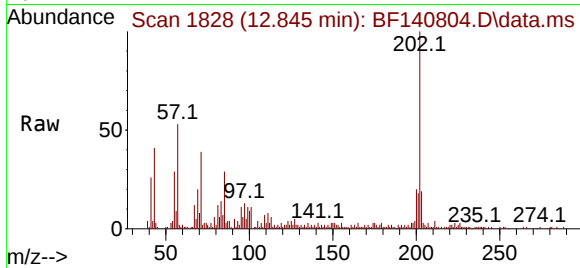




#78
Pyrene
Concen: 4.061 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

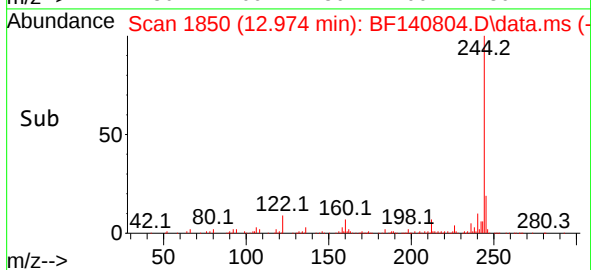
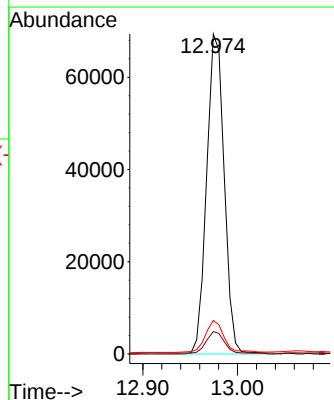
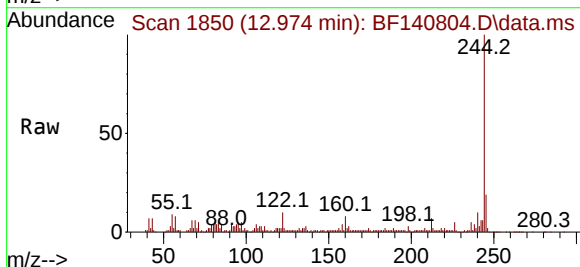
Instrument :
BNA_F
ClientSampleId :
EO-02-12062024

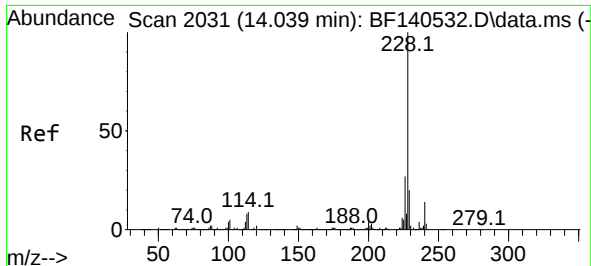
Tgt Ion:	202	Resp:	42896
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.5	24.7
203	18.6	14.2	21.4



#79
Terphenyl-d14
Concen: 12.170 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.018 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

Tgt Ion:	244	Resp:	89299
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	10.4	8.0	12.0

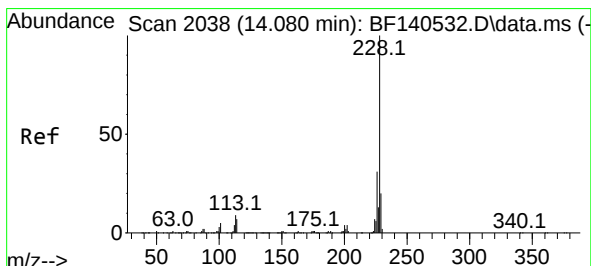
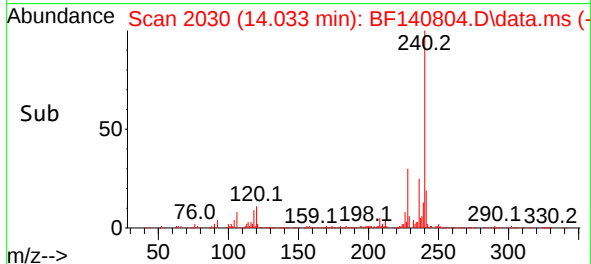
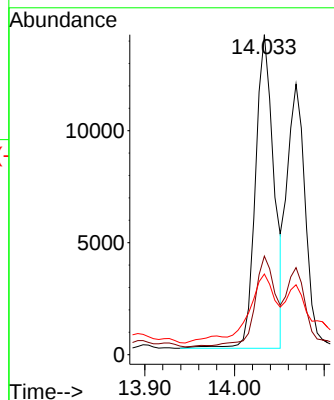
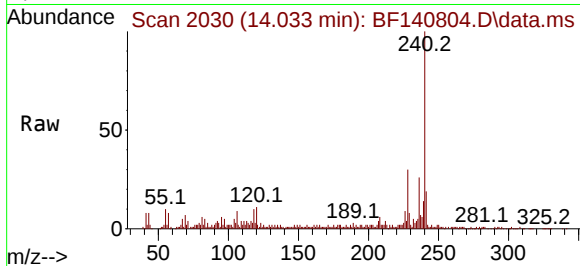




#81
Benzo(a)anthracene
Concen: 2.671 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

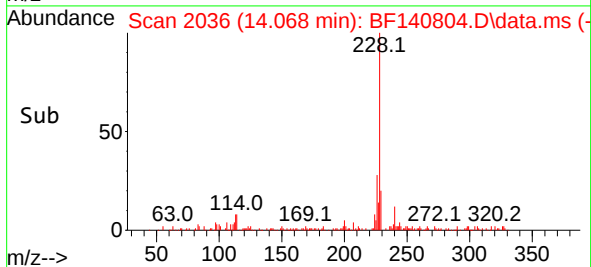
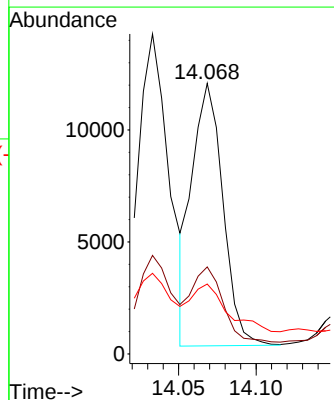
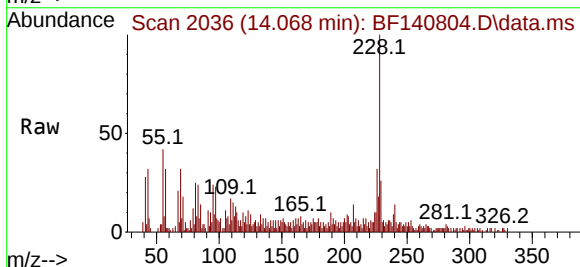
Instrument :
BNA_F
ClientSampleId :
EO-02-12062024

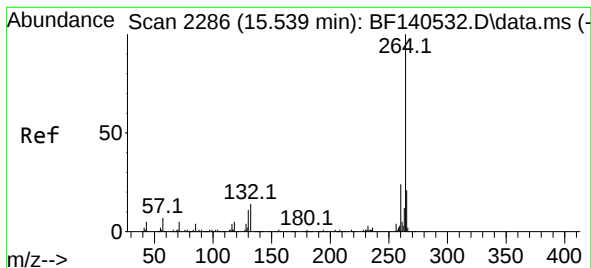
Tgt Ion:228 Resp: 20198
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.8
229 25.2 15.8 23.6#



#83
Chrysene
Concen: 2.351 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140804.D
Acq: 10 Dec 2024 14:05

Tgt Ion:228 Resp: 16256
Ion Ratio Lower Upper
228 100
226 32.2 24.4 36.6
229 25.9 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: BF140804.D

Acq: 10 Dec 2024 14:05

Instrument :

BNA_F

ClientSampleId :

EO-02-12062024

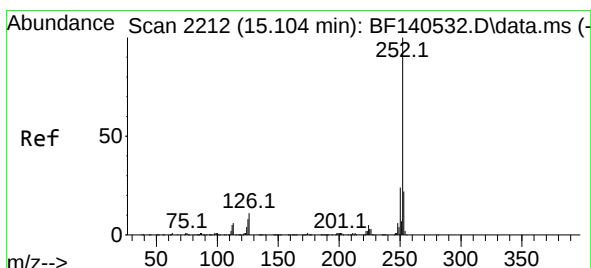
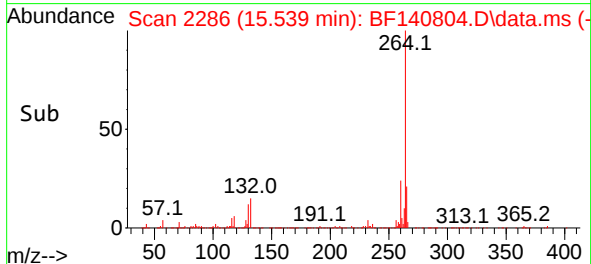
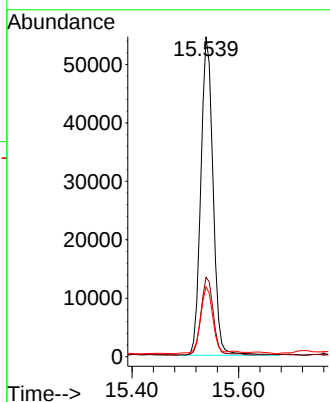
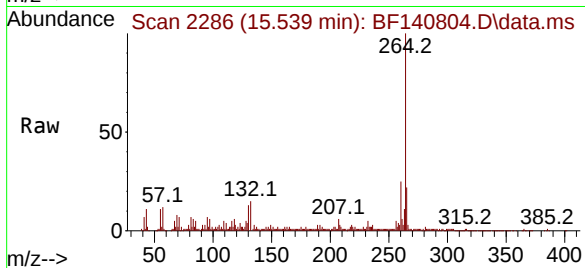
Tgt Ion:264 Resp: 86553

Ion Ratio Lower Upper

264 100

260 24.8 19.0 28.6

265 21.8 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.267 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

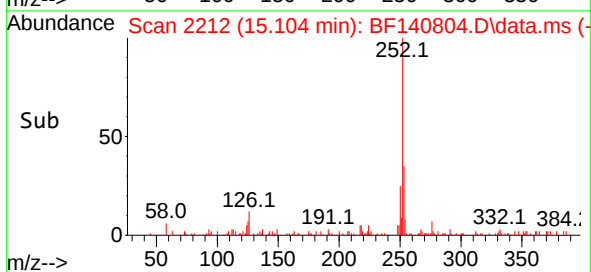
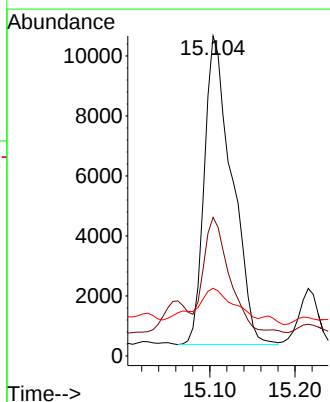
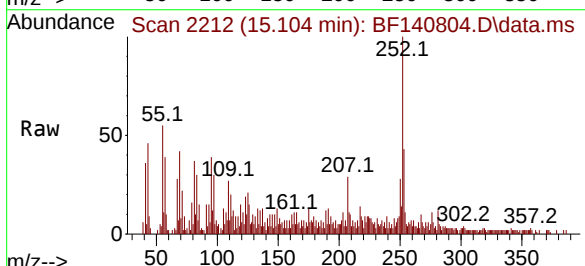
Tgt Ion:252 Resp: 23198

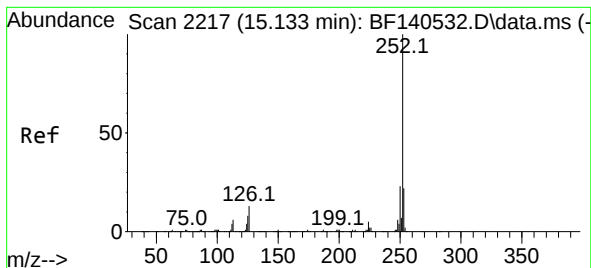
Ion Ratio Lower Upper

252 100

253 43.3 17.2 25.8#

125 21.1 6.7 10.1#





#89

Benzo(k)fluoranthene

Concen: 4.876 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

Instrument :

BNA_F

ClientSampleId :

EO-02-12062024

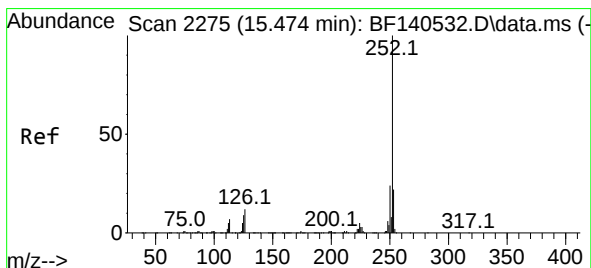
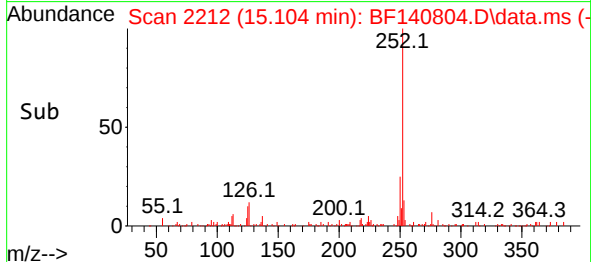
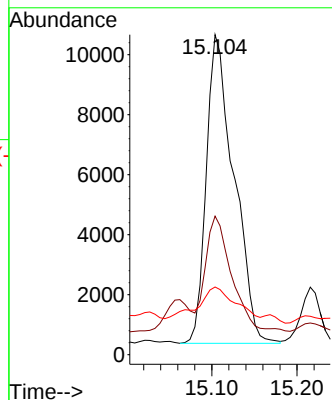
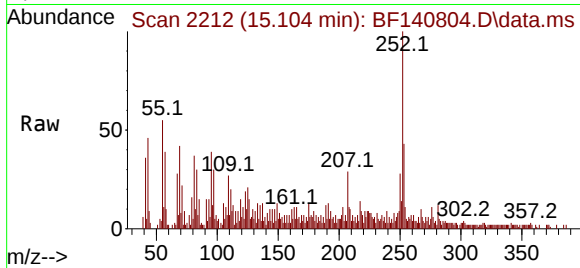
Tgt Ion:252 Resp: 23198

Ion Ratio Lower Upper

252 100

253 43.3 17.5 26.3#

125 21.1 6.5 9.7#



#90

Benzo(a)pyrene

Concen: 2.880 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140804.D

Acq: 10 Dec 2024 14:05

Tgt Ion:252 Resp: 12729

Ion Ratio Lower Upper

252 100

253 29.4 17.3 25.9#

125 22.1 7.0 10.6#

