

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140282.D
 Acq On : 07 Nov 2024 18:25
 Operator : RC/JU
 Sample : P4734-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-11062024

Quant Time: Nov 08 01:30:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

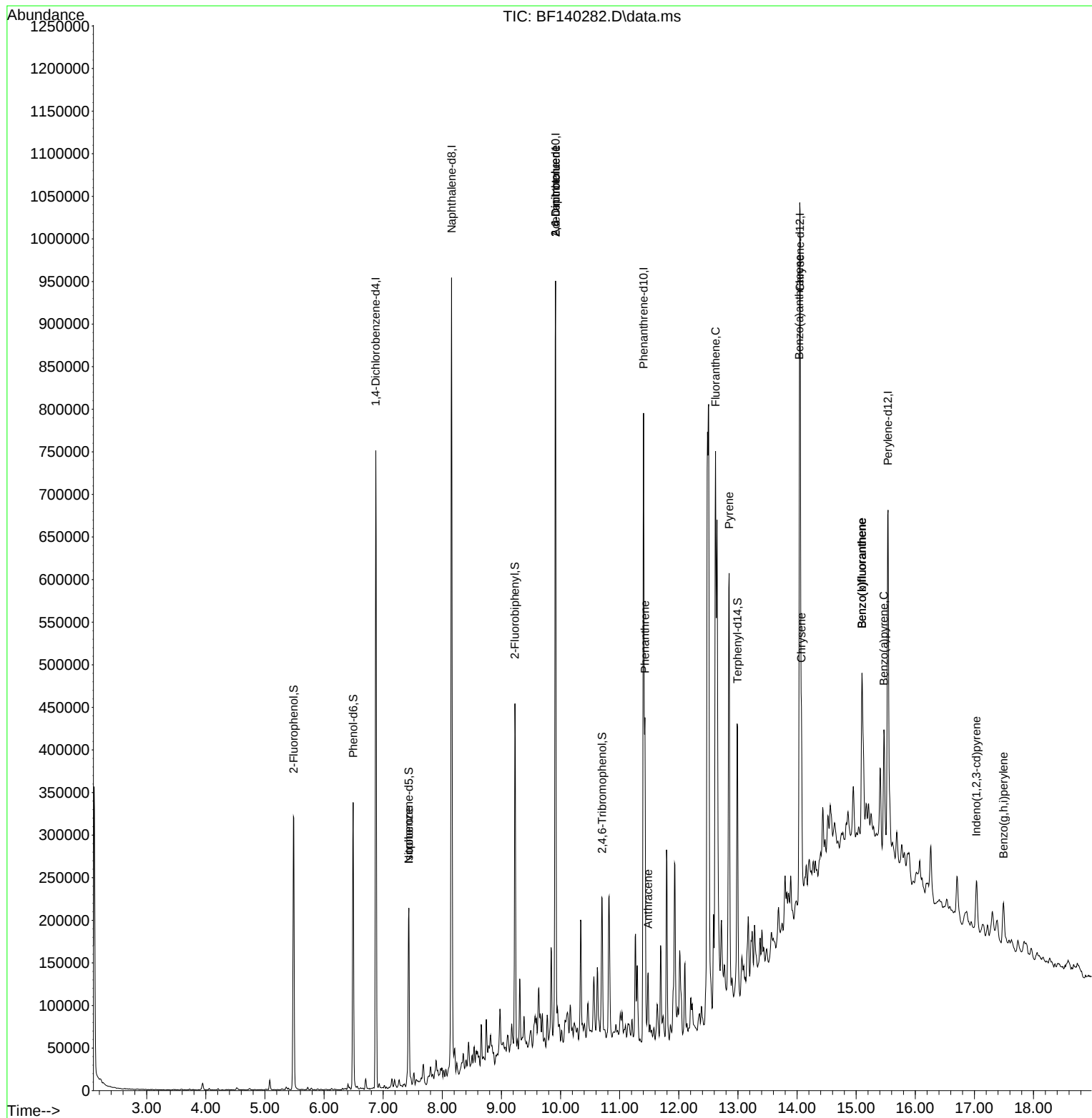
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	150708	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	550544	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	269625	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	390808	20.000	ng	0.00
76) Chrysene-d12	14.051	240	328768	20.000	ng	-0.01
86) Perylene-d12	15.539	264	254474	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	119599	13.151	ng	0.00
7) Phenol-d6	6.493	99	148684	12.711	ng	-0.01
23) Nitrobenzene-d5	7.434	82	92761	8.377	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	27556	10.340	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	179035	10.603	ng	-0.01
79) Terphenyl-d14	12.992	244	158392	7.892	ng	0.00
Target Compounds					Qvalue	
25) Isophorone	7.434	82	88944	4.665	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	35624	9.127	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	35624	7.033	ng	# 20
71) Phenanthrene	11.428	178	192199	10.305	ng	98
72) Anthracene	11.480	178	44472	2.432	ng	99
75) Fluoranthene	12.622	202	289294	14.834	ng	98
78) Pyrene	12.851	202	292770	10.785	ng	98
81) Benzo(a)anthracene	14.039	228	141076	6.686	ng	96
83) Chrysene	14.074	228	117321	5.938	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	46204	3.093	ng	95
88) Benzo(b)fluoranthene	15.098	252	159722	10.377	ng	# 94
89) Benzo(k)fluoranthene	15.098	252	159722	11.308	ng	# 94
90) Benzo(a)pyrene	15.468	252	83606	6.588	ng	# 95
92) Benzo(g,h,i)perylene	17.492	276	46104	3.678	ng	96

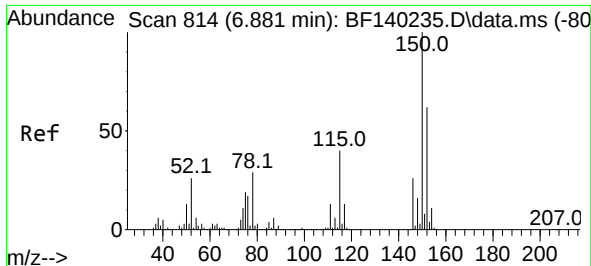
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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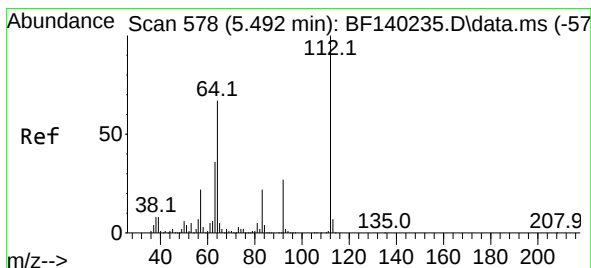
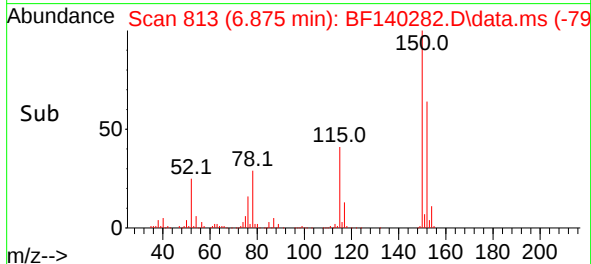
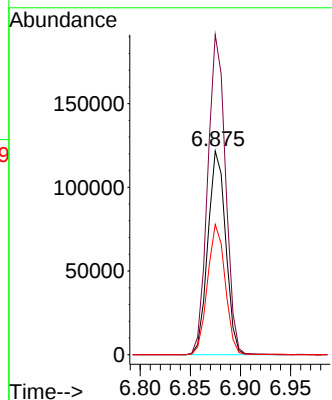
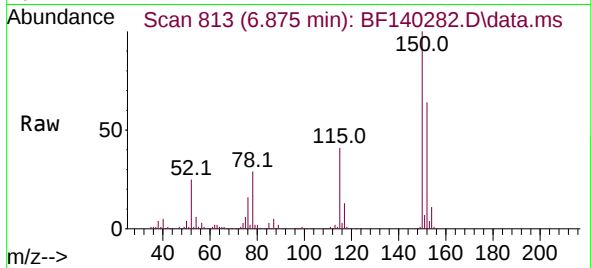




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

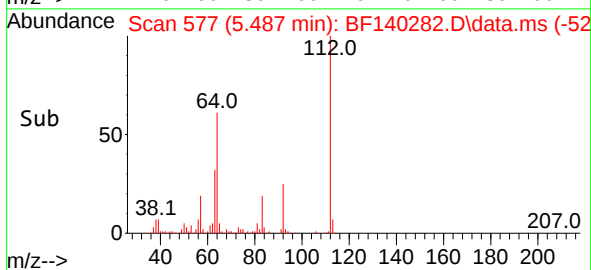
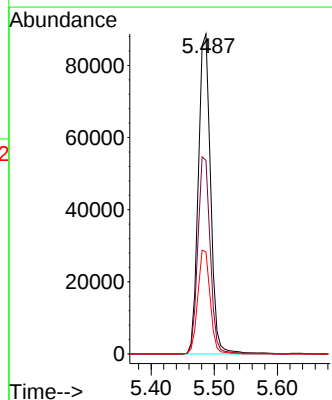
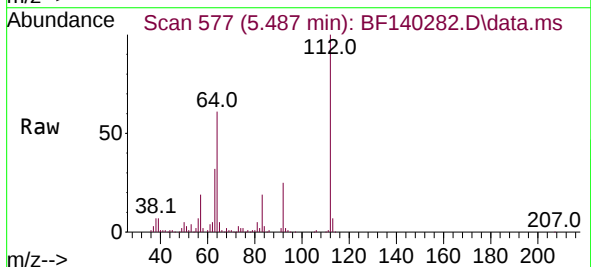
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

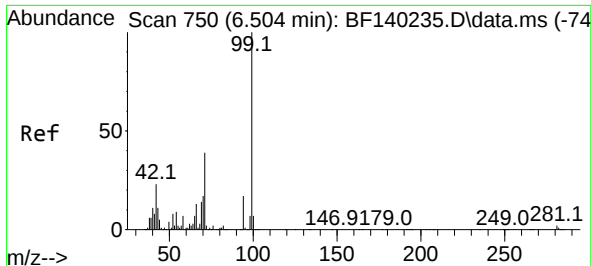
Tgt Ion:152 Resp: 150708
Ion Ratio Lower Upper
152 100
150 157.1 129.4 194.2
115 63.9 51.5 77.3



#5
2-Fluorophenol
Concen: 13.151 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:112 Resp: 119599
Ion Ratio Lower Upper
112 100
64 60.5 53.4 80.2
63 31.9 28.9 43.3

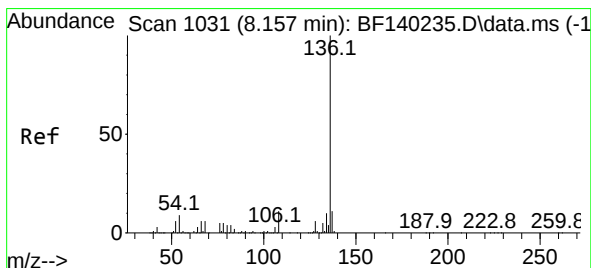
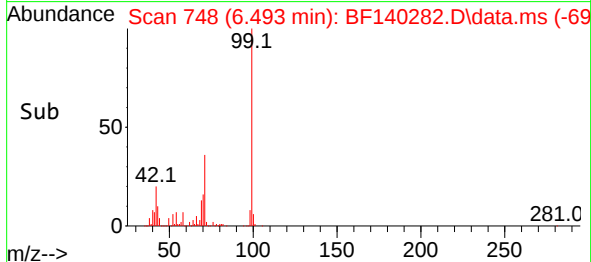
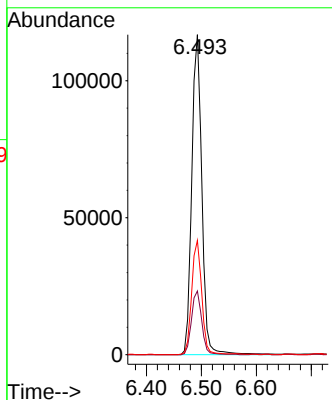
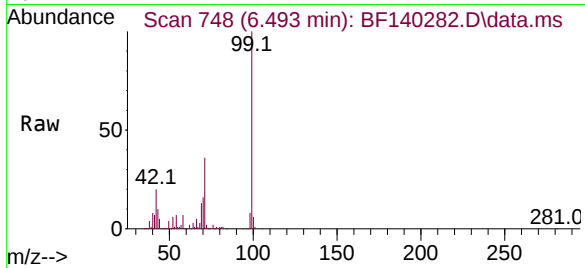




#7
Phenol-d6
Concen: 12.711 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

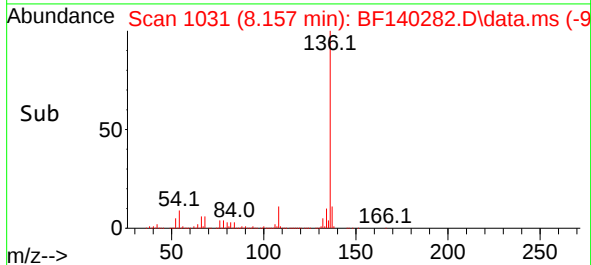
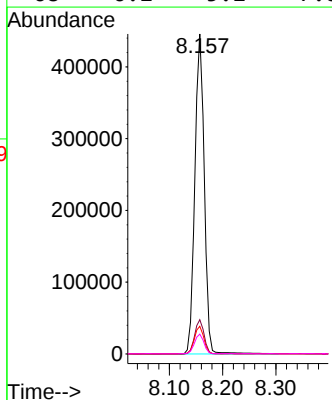
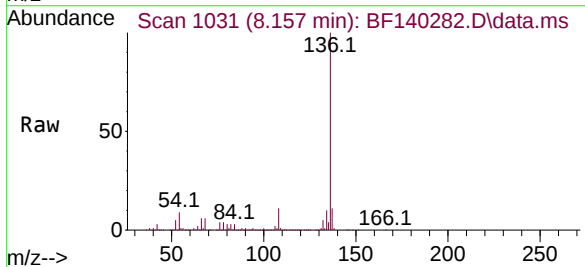
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

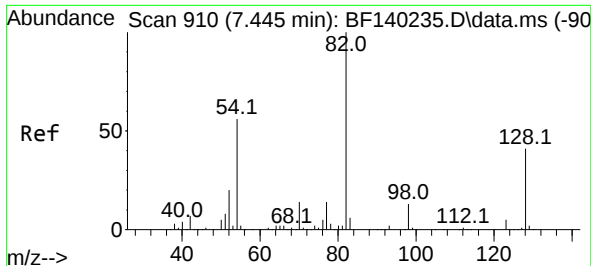
Tgt Ion: 99 Resp: 148684
Ion Ratio Lower Upper
99 100
42 19.9 18.2 27.2
71 35.7 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion: 136 Resp: 550544
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 8.7 7.7 11.5
68 6.2 5.2 7.8

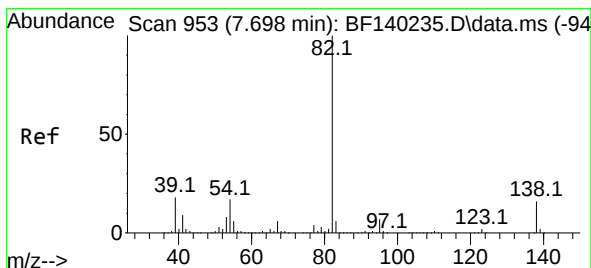
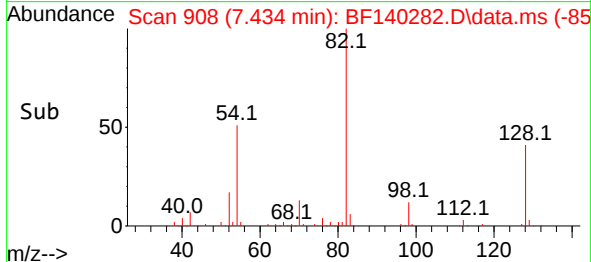
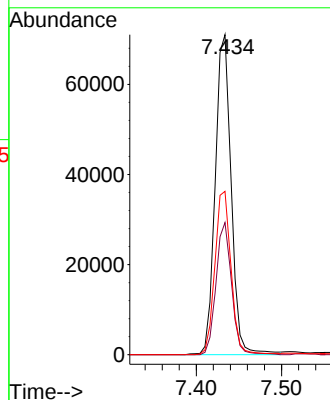
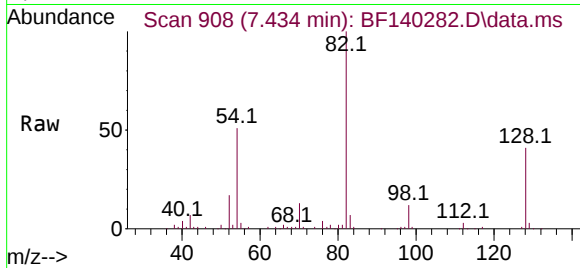




#23
Nitrobenzene-d5
Concen: 8.377 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

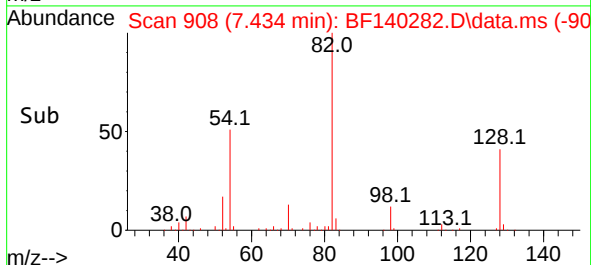
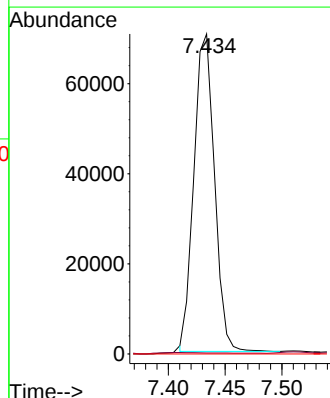
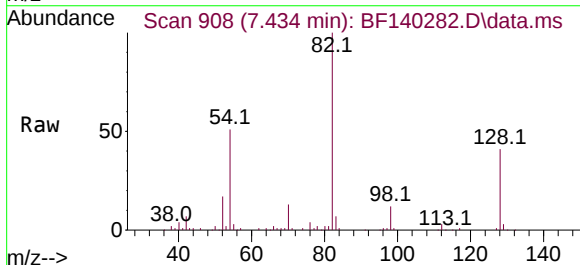
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

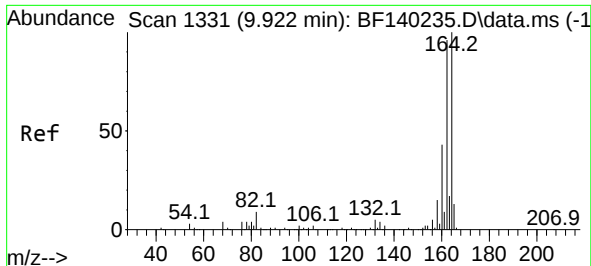
Tgt Ion: 82 Resp: 92761
Ion Ratio Lower Upper
82 100
128 41.3 32.8 49.2
54 51.1 44.3 66.5



#25
Isophorone
Concen: 4.665 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion: 82 Resp: 88944
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 12.9 19.3#

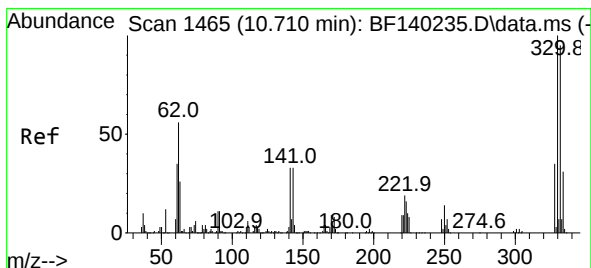
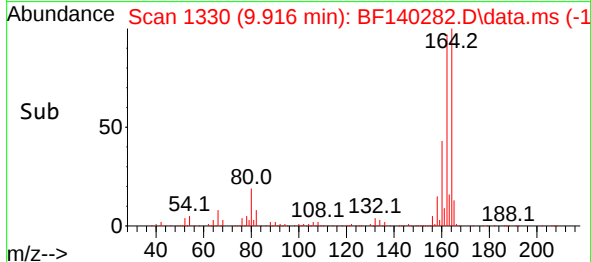
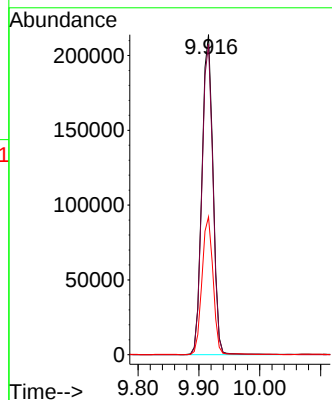
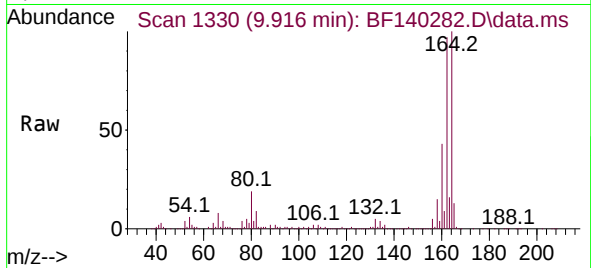




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

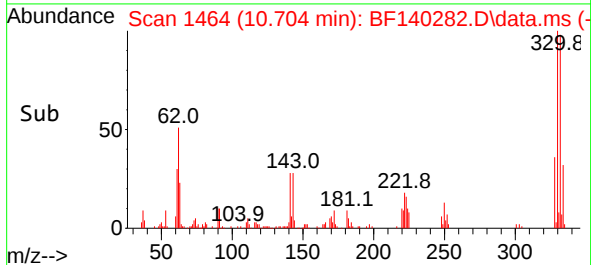
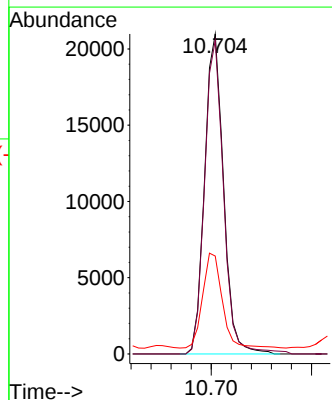
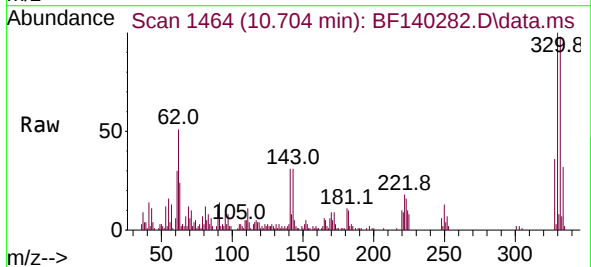
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ClientSampleId :
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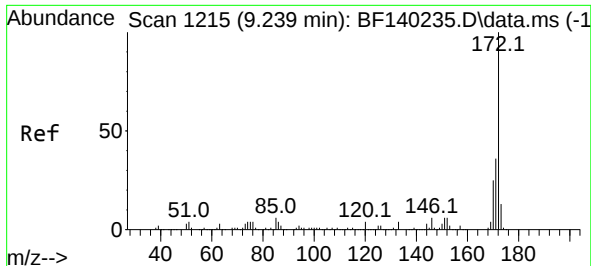
Tgt Ion:164 Resp: 269625
Ion Ratio Lower Upper
164 100
162 97.0 77.0 115.4
160 43.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 10.340 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:330 Resp: 27556
Ion Ratio Lower Upper
330 100
332 98.3 76.4 114.6
141 30.7 27.0 40.4

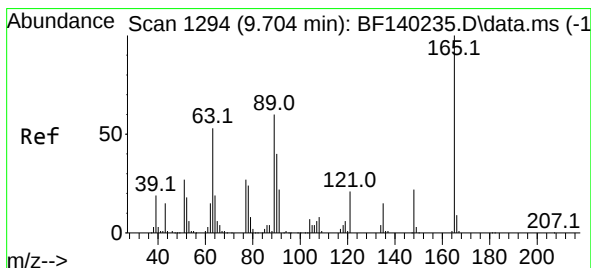
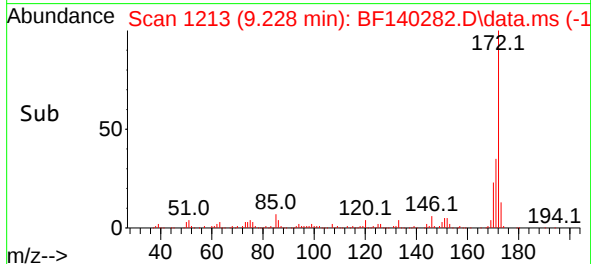
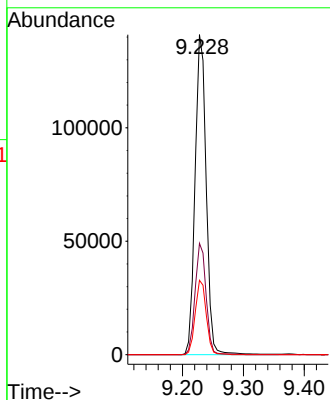
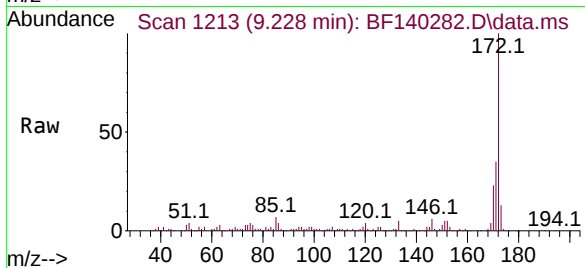




#45
2-Fluorobiphenyl
Concen: 10.603 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

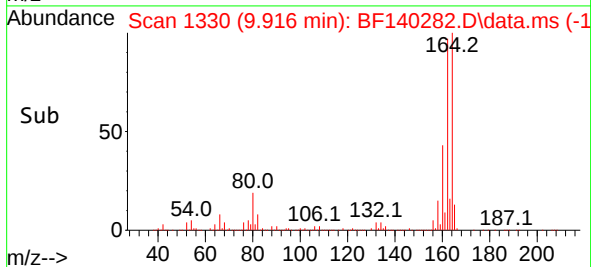
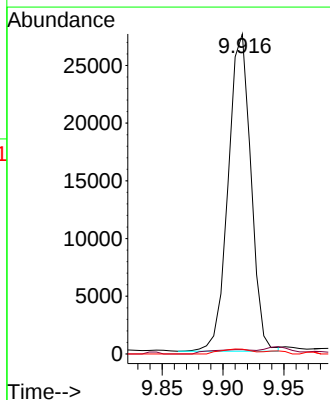
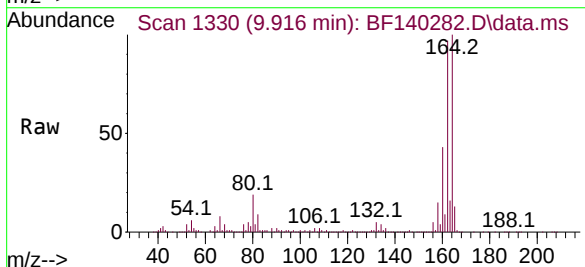
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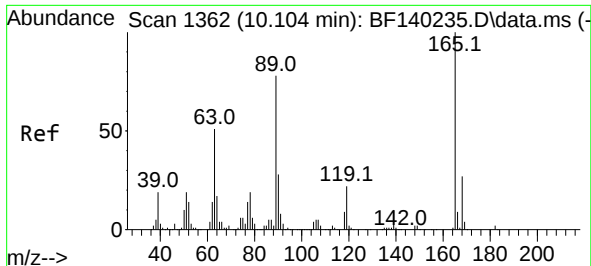
Tgt Ion:172 Resp: 179035
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.3 19.6 29.4



#51
2,6-Dinitrotoluene
Concen: 9.127 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:165 Resp: 35624
Ion Ratio Lower Upper
165 100
63 1.4 48.8 73.2#
89 1.5 48.1 72.1#

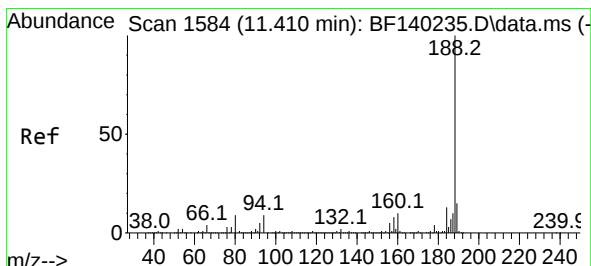
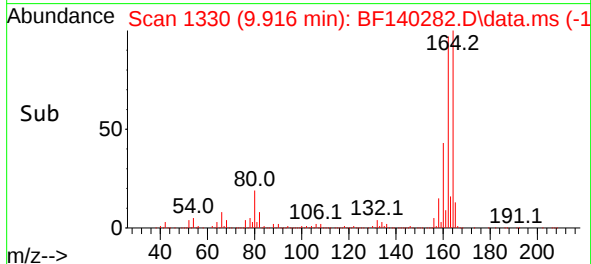
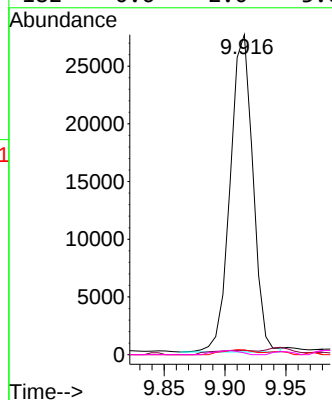
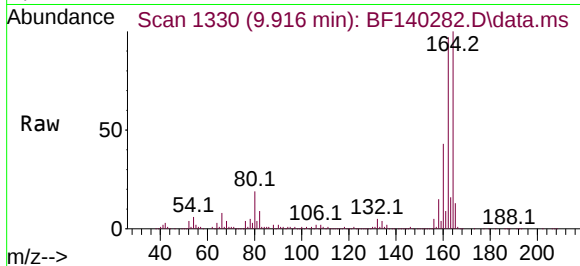




#57
2,4-Dinitrotoluene
Concen: 7.033 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

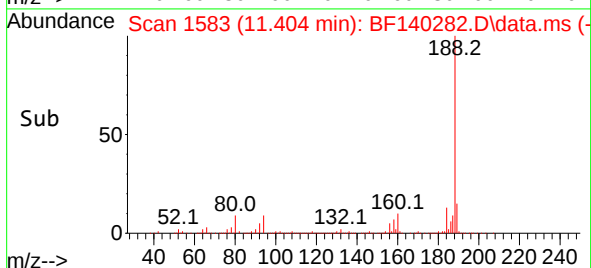
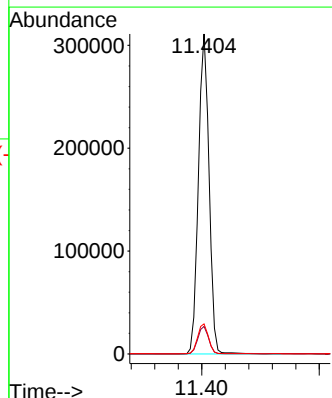
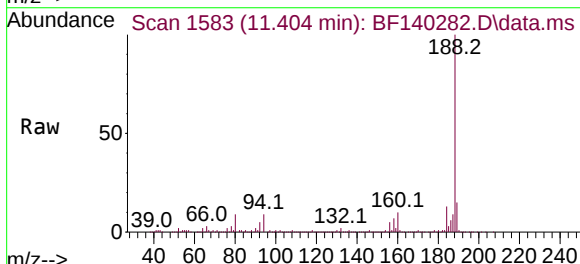
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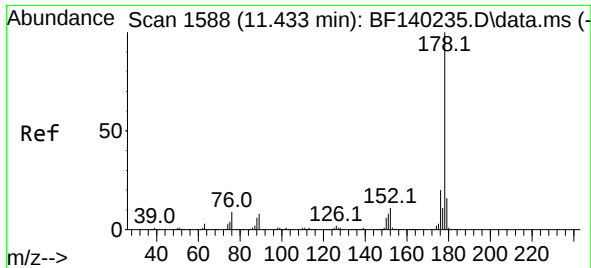
Tgt Ion:165 Resp: 35624
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.5 62.6 94.0#
182 0.6 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:188 Resp: 390808
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.4 7.5 11.3

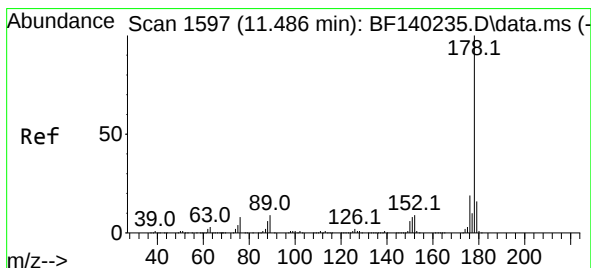
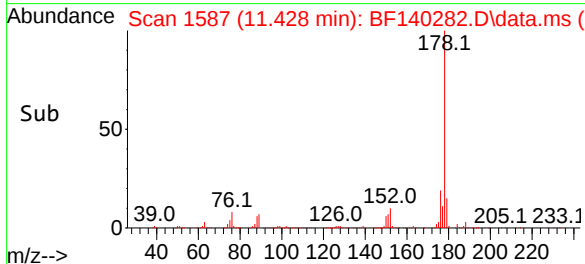
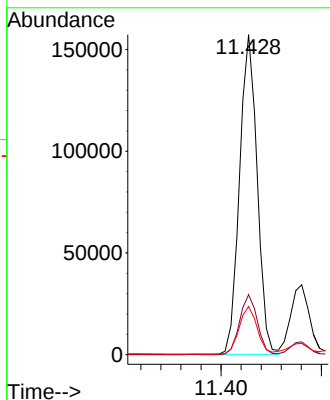
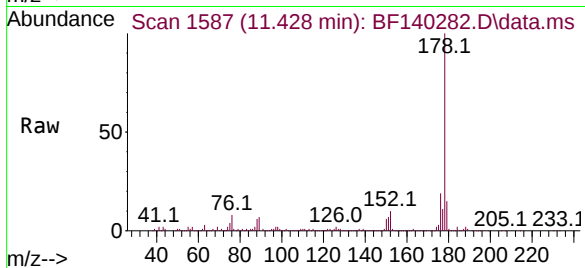




#71
Phenanthrene
Concen: 10.305 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

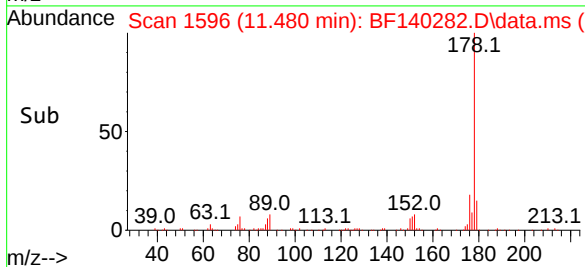
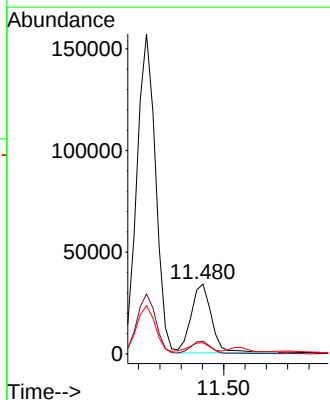
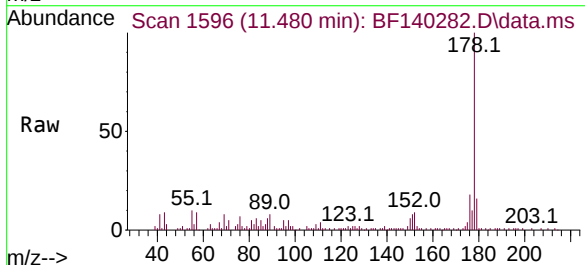
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

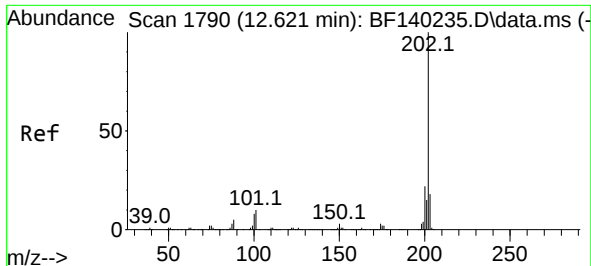
Tgt Ion:178 Resp: 192199
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.0 12.6 18.8



#72
Anthracene
Concen: 2.432 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:178 Resp: 44472
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.9 12.7 19.1

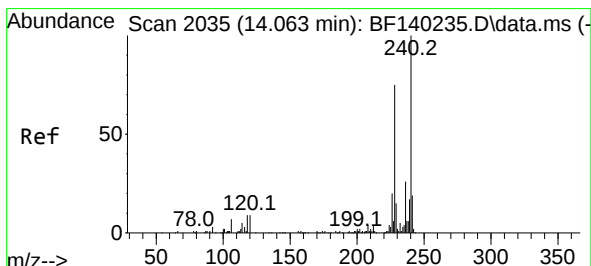
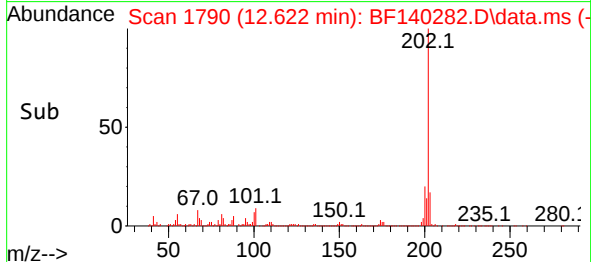
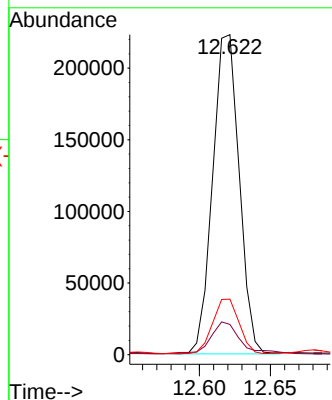
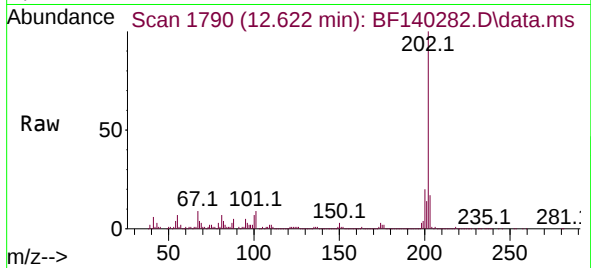




#75
Fluoranthene
Concen: 14.834 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

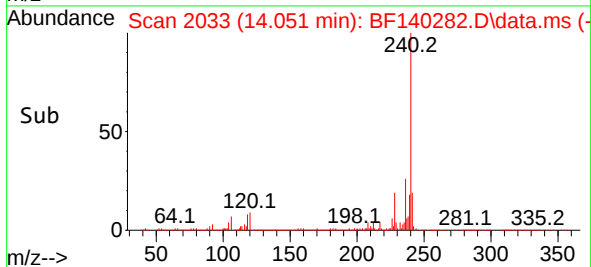
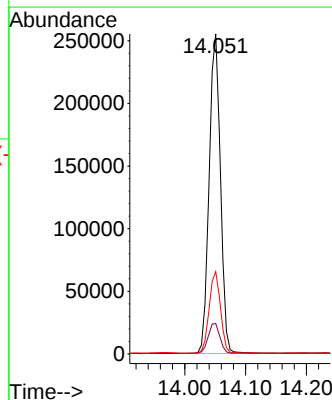
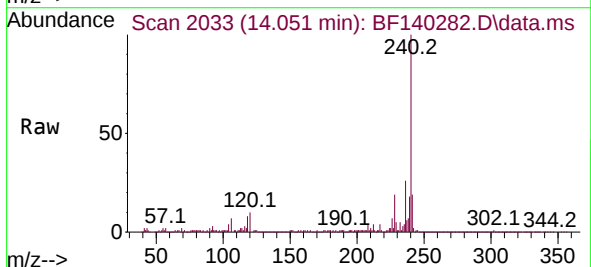
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

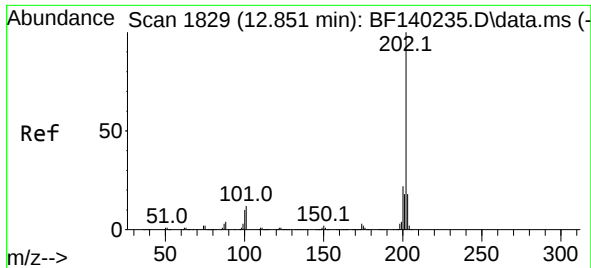
Tgt Ion:202 Resp: 289294
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.4
203 17.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:240 Resp: 328768
Ion Ratio Lower Upper
240 100
120 9.5 7.5 11.3
236 25.7 20.9 31.3

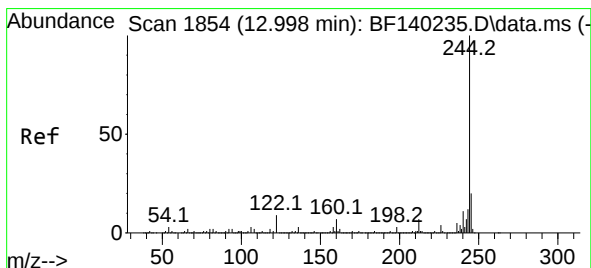
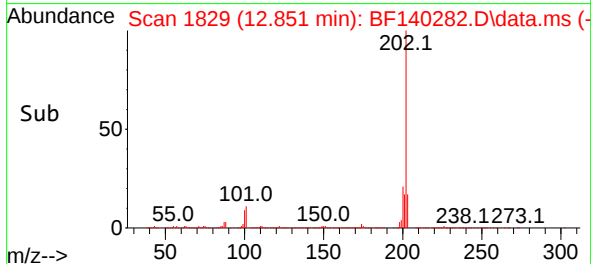
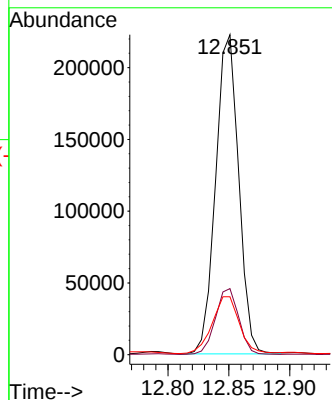
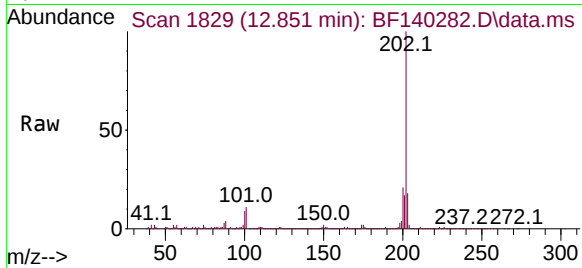




#78
Pyrene
Concen: 10.785 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

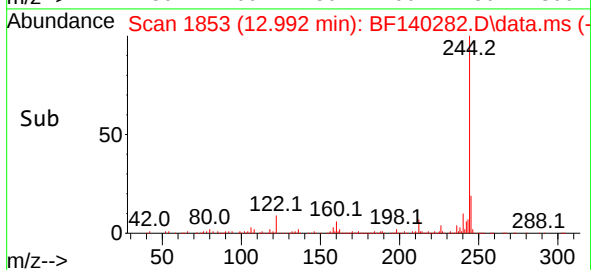
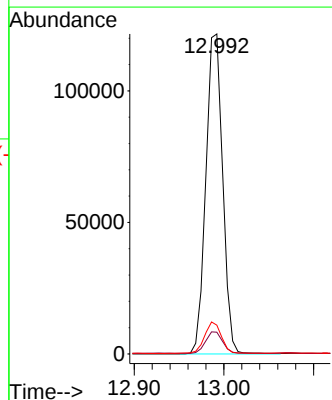
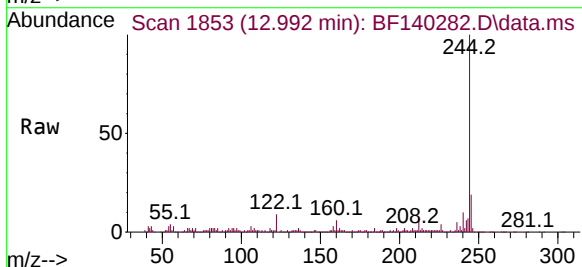
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

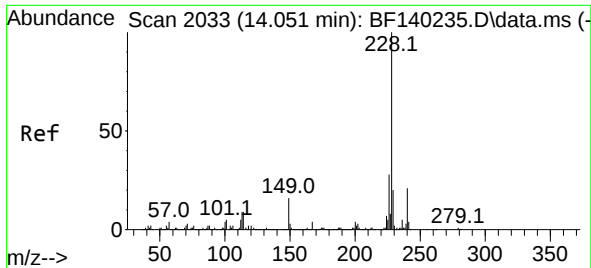
Tgt Ion:202 Resp: 292770
Ion Ratio Lower Upper
202 100
200 20.6 17.5 26.3
203 18.1 14.4 21.6



#79
Terphenyl-d14
Concen: 7.892 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:244 Resp: 158392
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.0 7.6 11.4

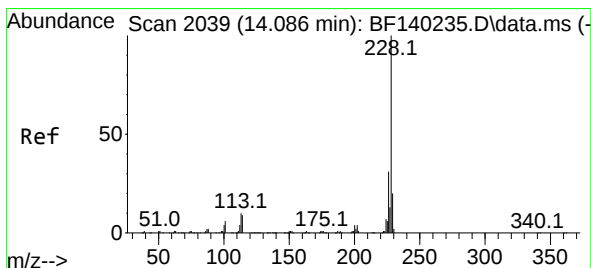
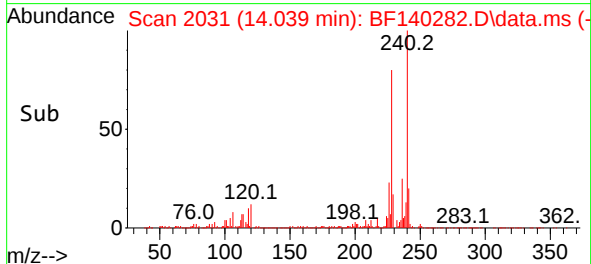
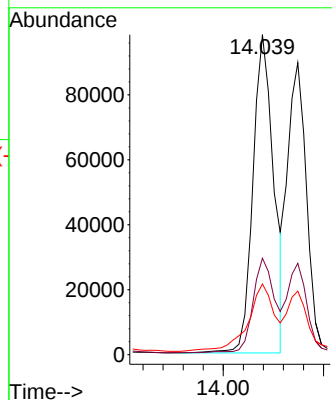
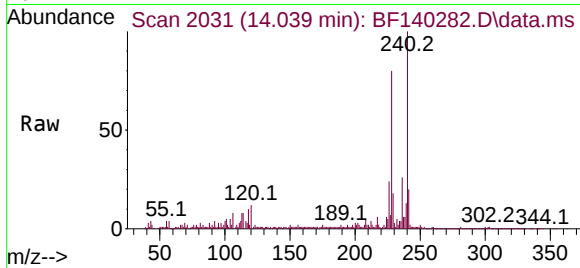




#81
Benzo(a)anthracene
Concen: 6.686 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

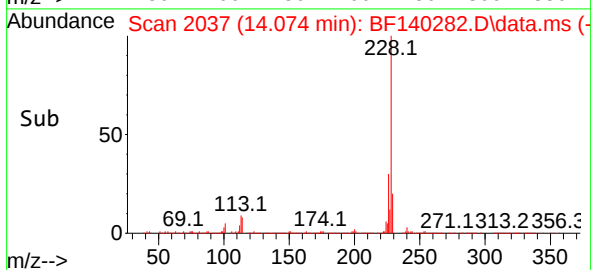
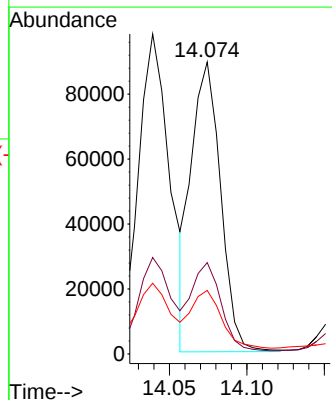
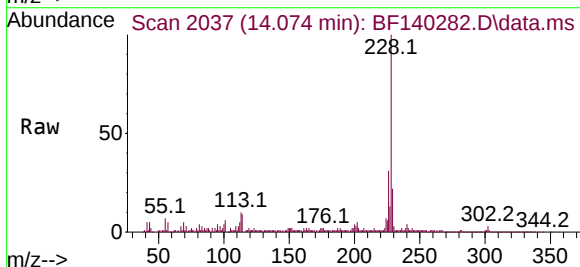
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024

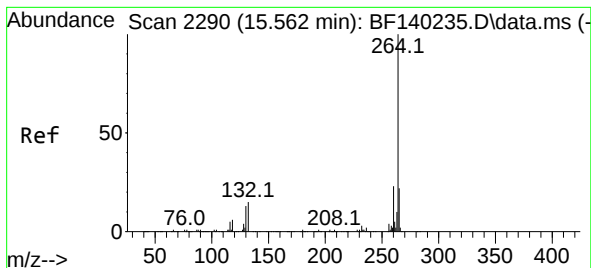
Tgt Ion:228 Resp: 141076
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 22.1 16.1 24.1



#83
Chrysene
Concen: 5.938 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:228 Resp: 117321
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 21.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

EO-03-11062024

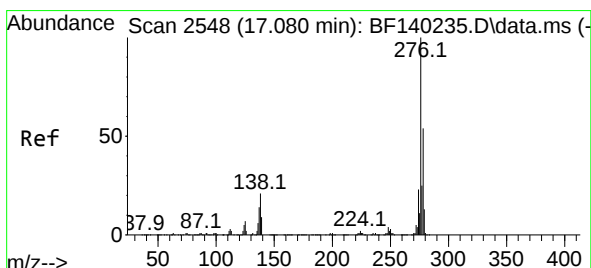
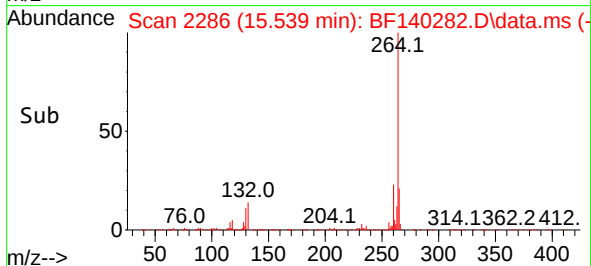
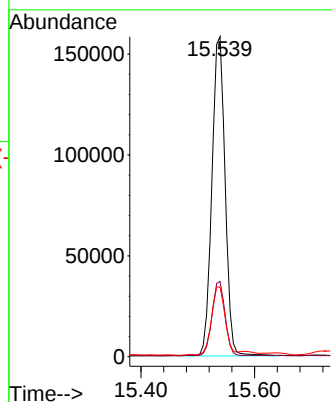
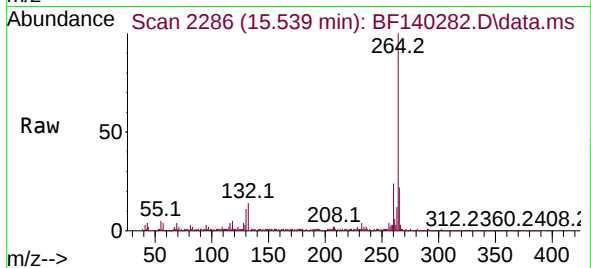
Tgt Ion:264 Resp: 254474

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.8 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.093 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.047 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

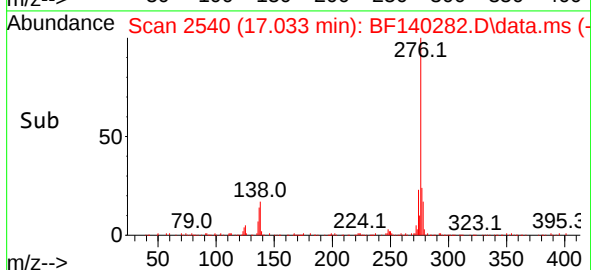
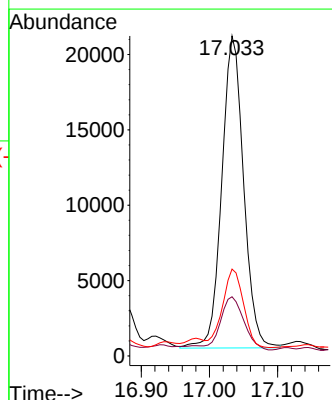
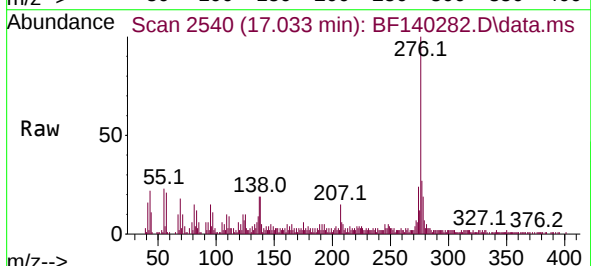
Tgt Ion:276 Resp: 46204

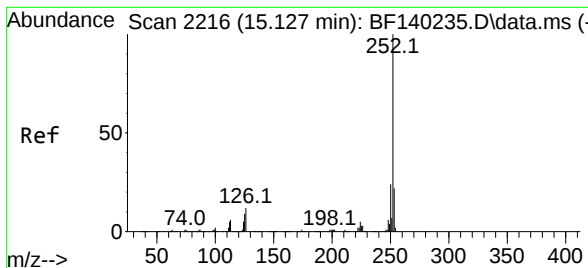
Ion Ratio Lower Upper

276 100

138 18.1 17.6 26.4

277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.377 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

EO-03-11062024

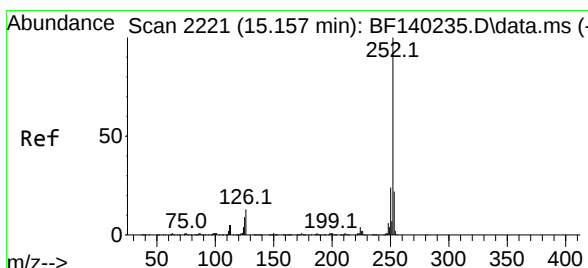
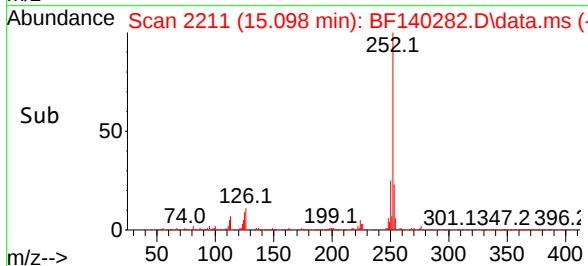
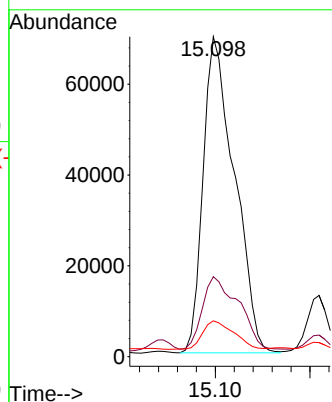
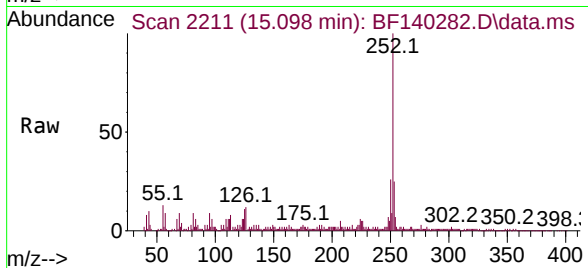
Tgt Ion:252 Resp: 159722

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

125 11.2 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 11.308 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.059 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

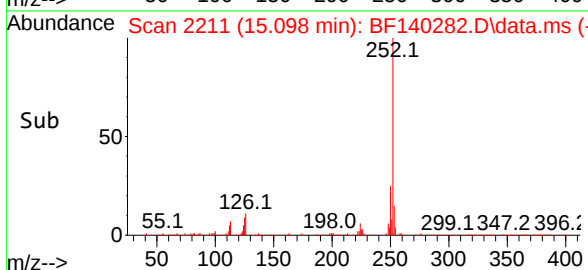
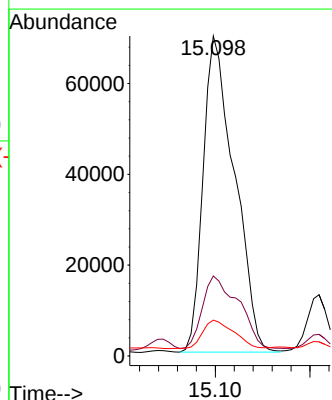
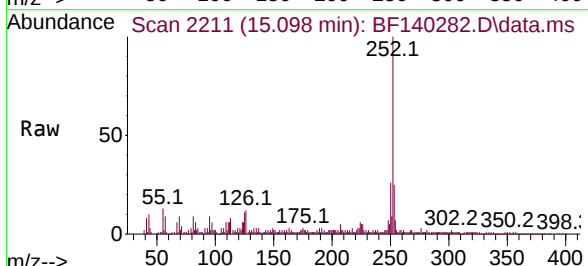
Tgt Ion:252 Resp: 159722

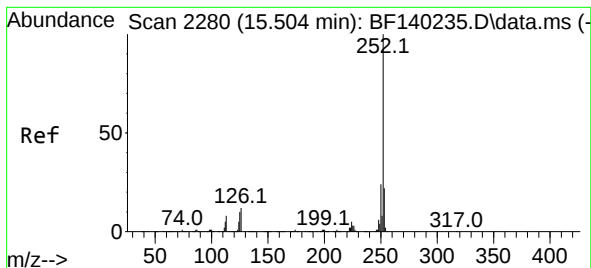
Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.8

125 11.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.588 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

EO-03-11062024

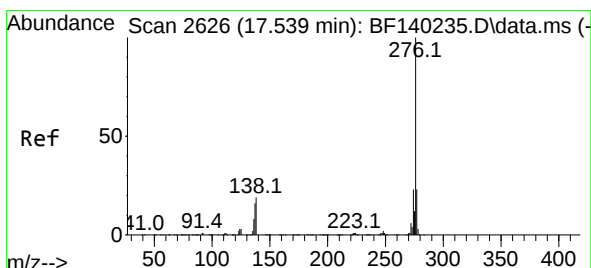
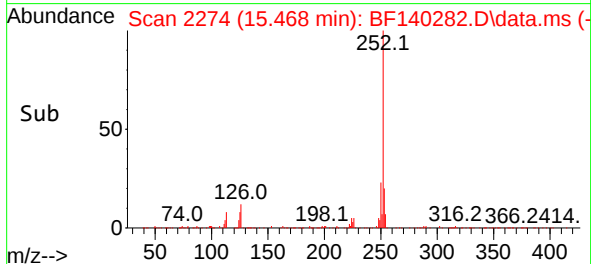
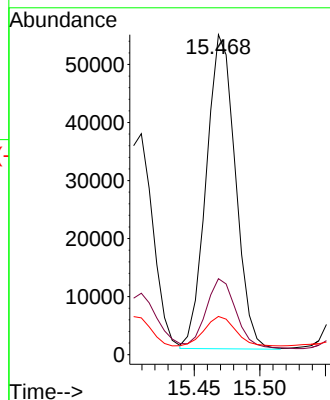
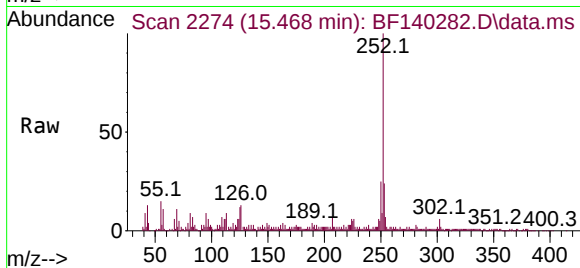
Tgt Ion:252 Resp: 83606

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 12.0 7.6 11.4#



#92

Benzo(g,h,i)perylene

Concen: 3.678 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.047 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

Tgt Ion:276 Resp: 46104

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 21.2 15.3 22.9

