

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138895.D
 Acq On : 09 Aug 2024 18:35
 Operator : RC/JU
 Sample : P3507-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080724

Quant Time: Aug 09 18:59:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

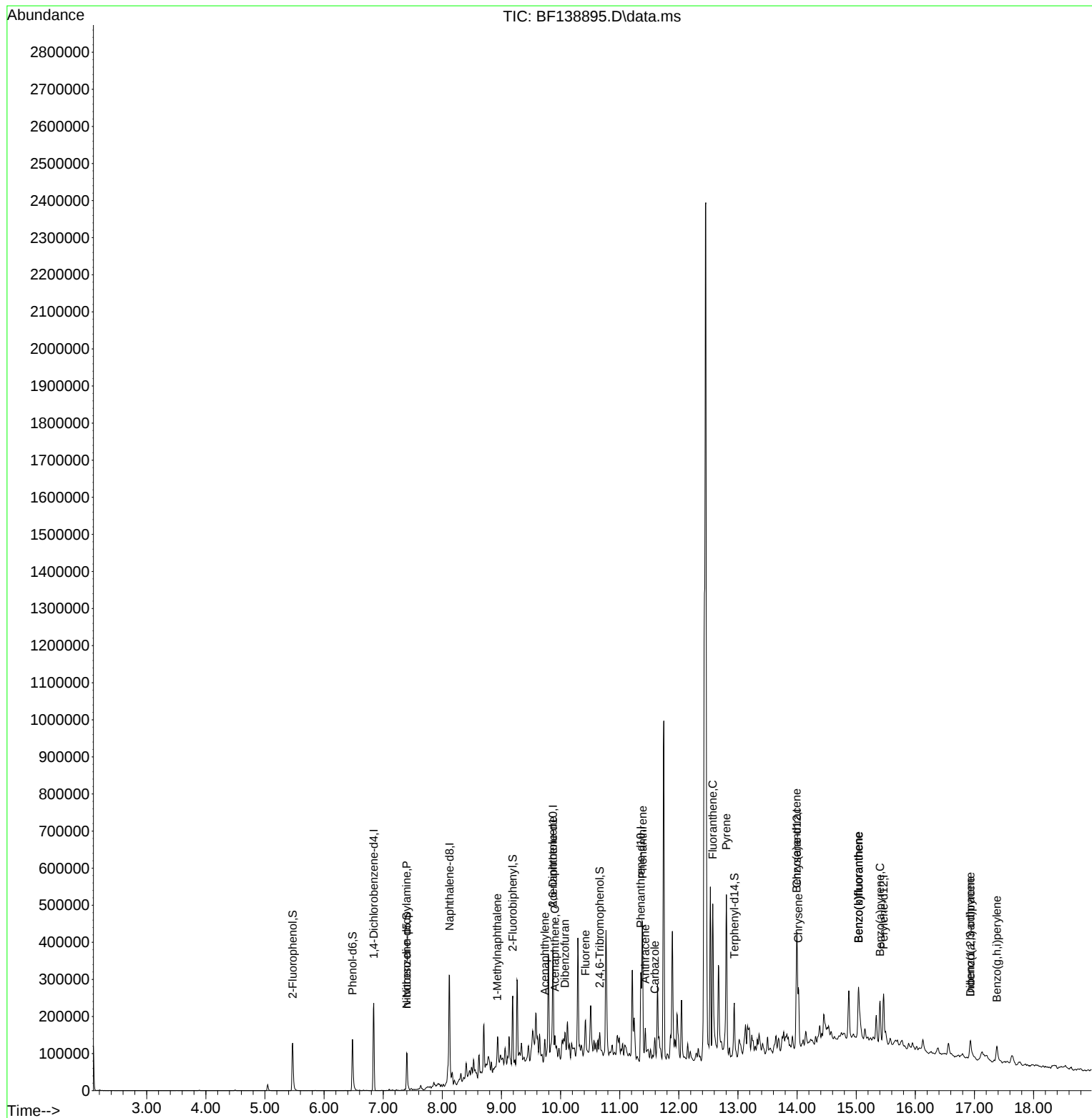
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45503	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	172482	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	79210	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	111885	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	79329	20.000	ng	0.00
86) Perylene-d12	15.462	264	63214	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	49563	16.814	ng	0.00
7) Phenol-d6	6.481	99	65287	16.496	ng	0.00
23) Nitrobenzene-d5	7.398	82	43860	12.432	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	7232	11.146	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	76381	14.488	ng	-0.01
79) Terphenyl-d14	12.939	244	59451	12.547	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	6383	2.670	ng	# 81
38) 1-Methylnaphthalene	8.928	142	11425	2.033	ng	90
49) Acenaphthylene	9.733	152	17456	2.668	ng	# 91
51) 2,6-Dinitrotoluene	9.869	165	12593	11.017	ng	# 25
52) Acenaphthene	9.904	154	11732	2.667	ng	95
55) Dibenzofuran	10.075	168	14159	2.280	ng	# 86
58) Fluorene	10.422	166	29884	6.044	ng	# 94
71) Phenanthrene	11.386	178	187207	32.495	ng	99
72) Anthracene	11.433	178	47618	8.390	ng	99
73) Carbazole	11.592	167	16145	3.297	ng	# 90
75) Fluoranthene	12.574	202	201420	37.450	ng	99
78) Pyrene	12.804	202	197938	26.501	ng	98
81) Benzo(a)anthracene	13.992	228	105975	19.400	ng	94
83) Chrysene	14.021	228	73855	14.985	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	32119	7.090	ng	# 91
88) Benzo(b)fluoranthene	15.039	252	109059	27.831	ng	95
89) Benzo(k)fluoranthene	15.039	252	109059	32.144	ng	# 94
90) Benzo(a)pyrene	15.404	252	61159	18.555	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	8208	2.207	ng	# 80
92) Benzo(g,h,i)perylene	17.380	276	30330	7.860	ng	94

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

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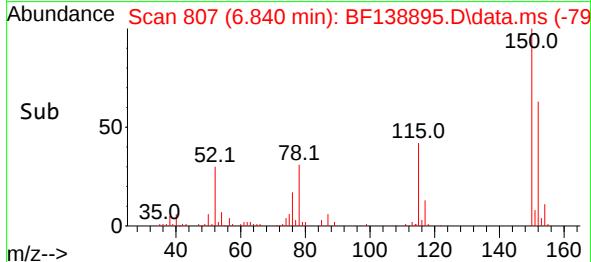
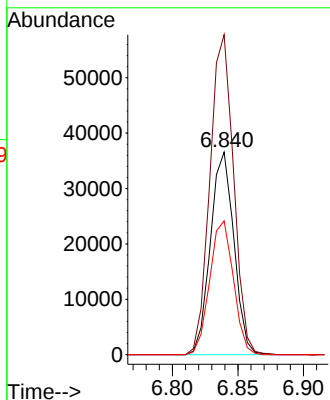
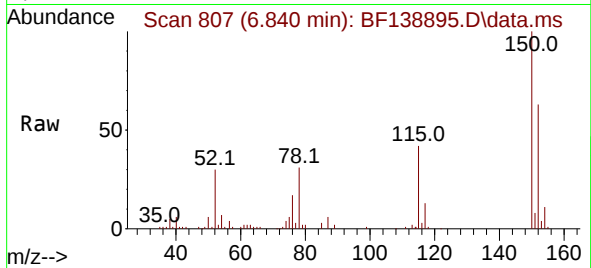




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

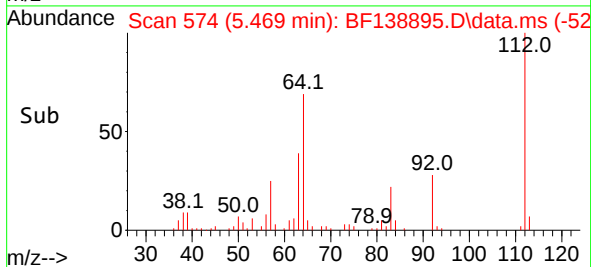
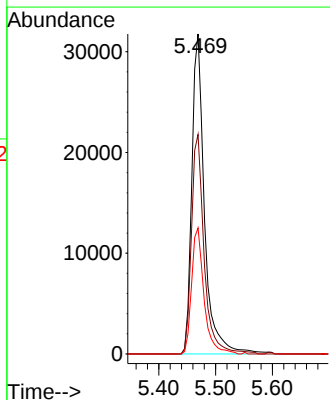
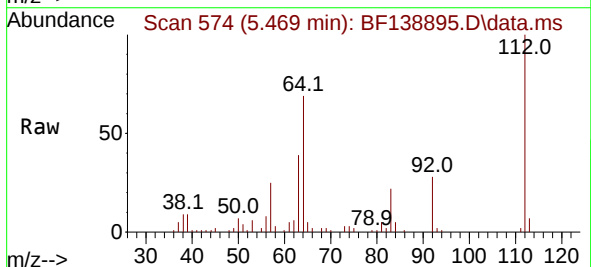
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

Tgt Ion:152 Resp: 45503
Ion Ratio Lower Upper
152 100
150 158.0 126.0 189.0
115 66.1 51.7 77.5



#5
2-Fluorophenol
Concen: 16.814 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:112 Resp: 49563
Ion Ratio Lower Upper
112 100
64 68.6 54.2 81.4
63 39.4 28.7 43.1

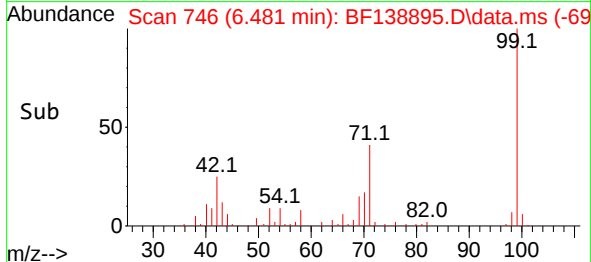
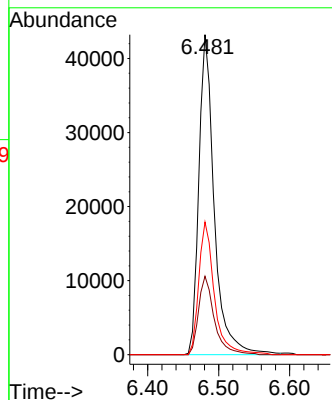
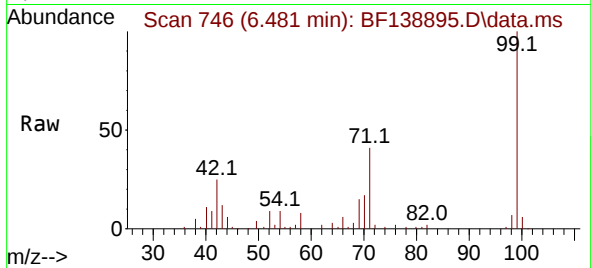




#7
Phenol-d6
Concen: 16.496 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

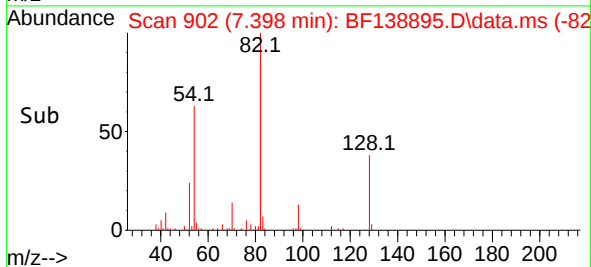
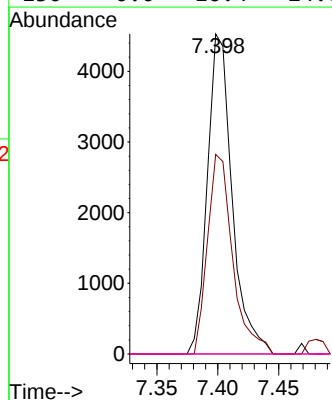
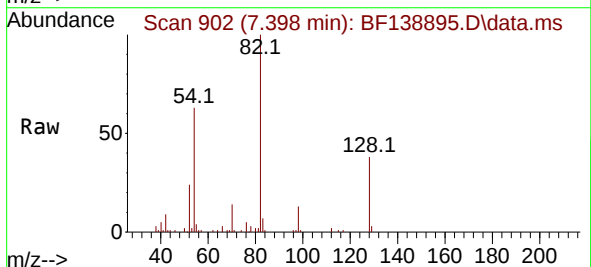
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

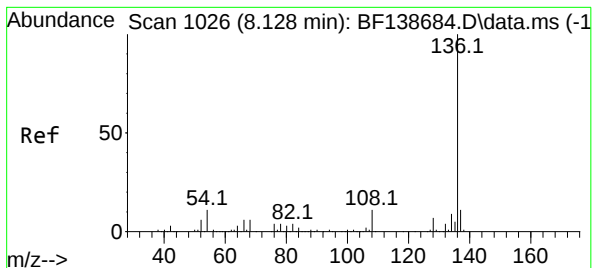
Tgt Ion: 99 Resp: 65287
Ion Ratio Lower Upper
99 100
42 24.5 17.4 26.0
71 41.5 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 2.670 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion: 70 Resp: 6383
Ion Ratio Lower Upper
70 100
42 62.3 57.4 86.0
101 0.0 7.5 11.3#
130 0.0 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

Tgt Ion:136 Resp: 172482

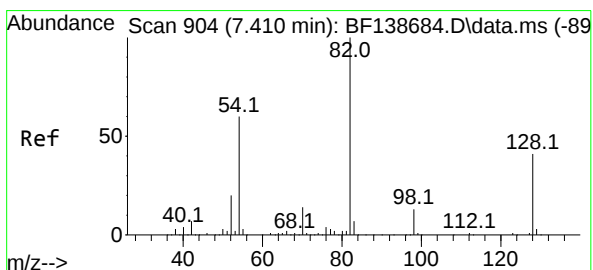
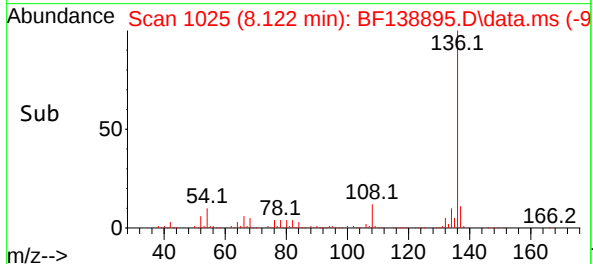
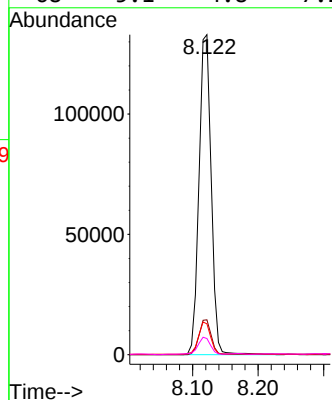
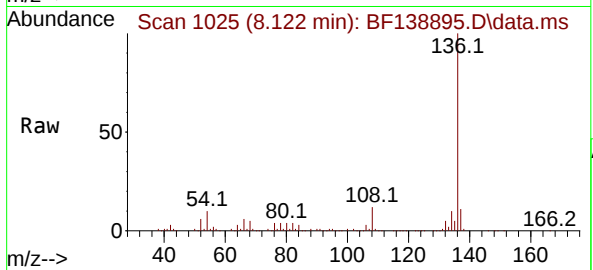
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.7 8.6 12.8

68 5.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 12.432 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

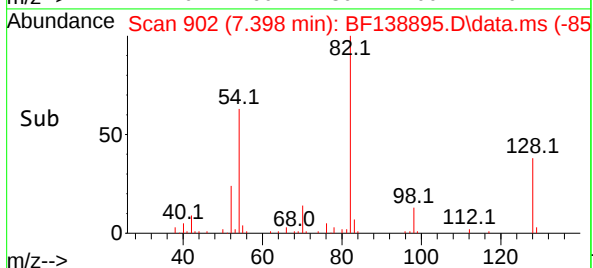
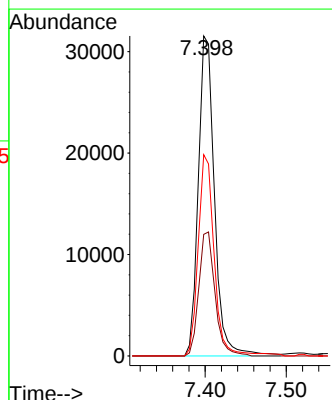
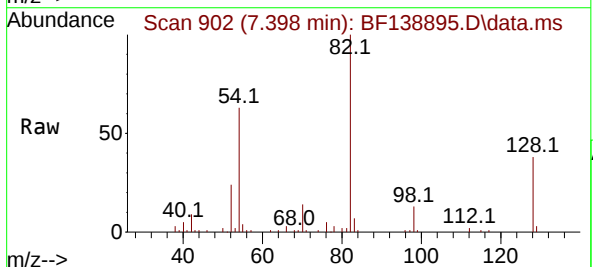
Tgt Ion: 82 Resp: 43860

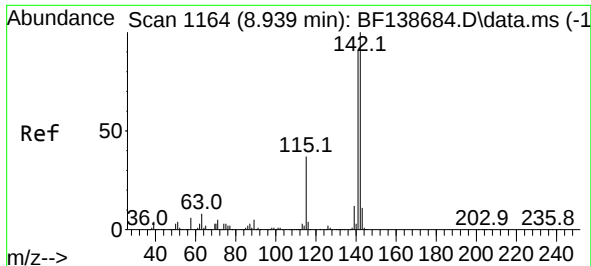
Ion Ratio Lower Upper

82 100

128 38.0 32.8 49.2

54 62.9 48.3 72.5

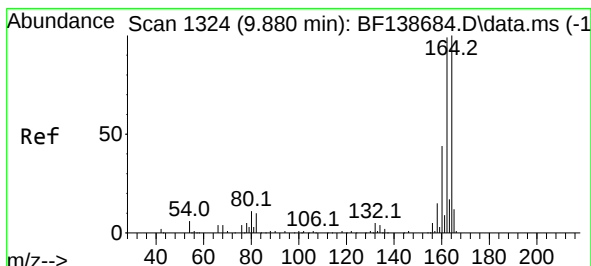
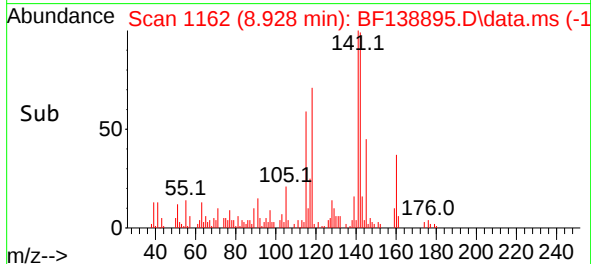
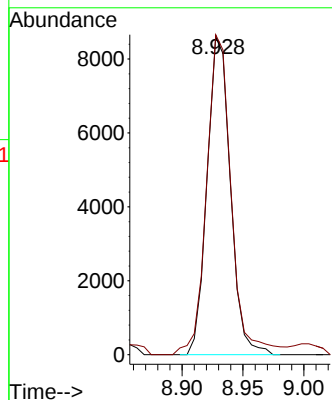
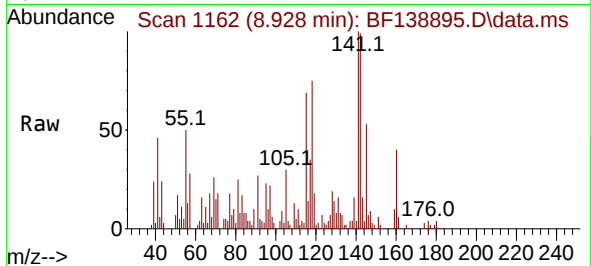




#38
1-Methylnaphthalene
Concen: 2.033 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

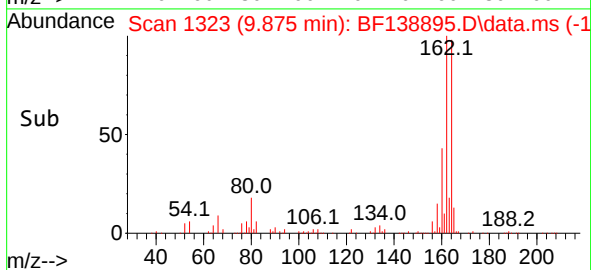
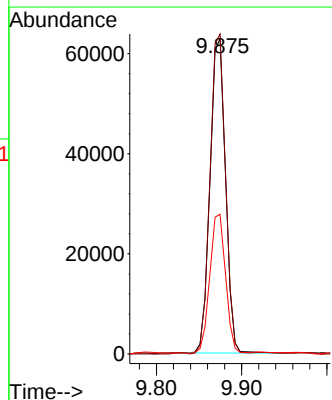
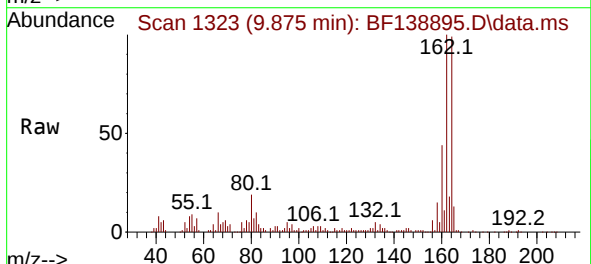
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

Tgt Ion:142 Resp: 11425
Ion Ratio Lower Upper
142 100
141 100.6 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:164 Resp: 79210
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.0
160 44.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 11.146 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138895.D

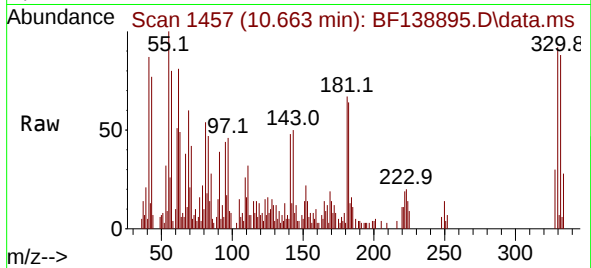
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Instrument :

BNA_F

ClientSampleId :

EO-03-080724



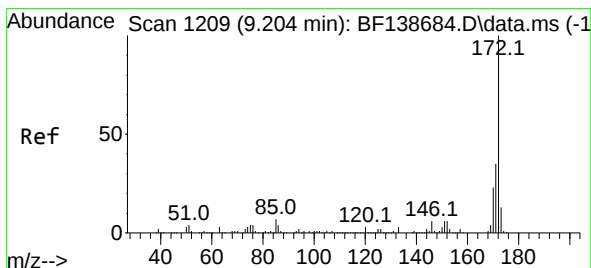
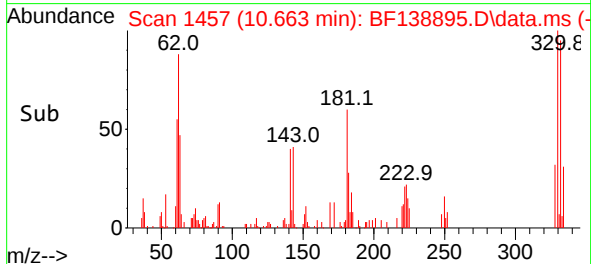
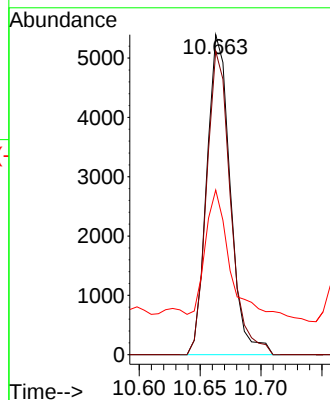
Tgt Ion:330 Resp: 7232

Ion Ratio Lower Upper

330 100

332 96.4 76.4 114.6

141 46.6 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 14.488 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

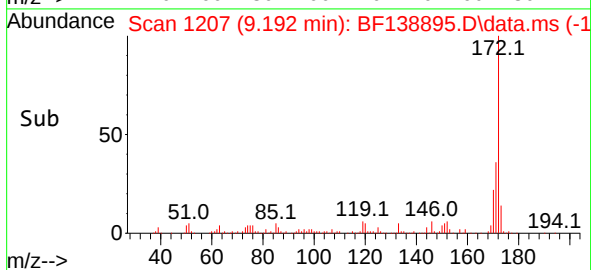
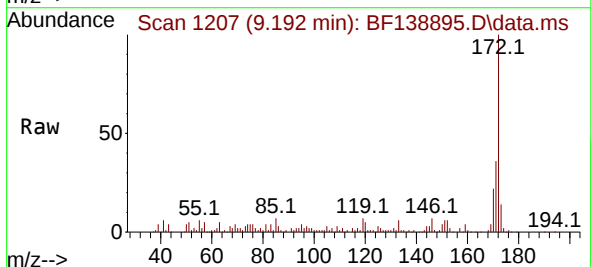
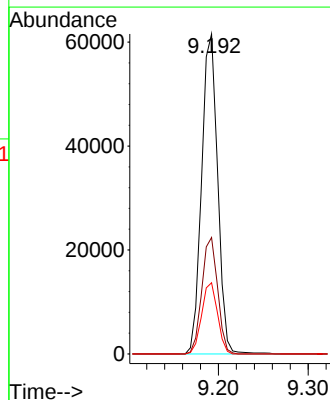
Tgt Ion:172 Resp: 76381

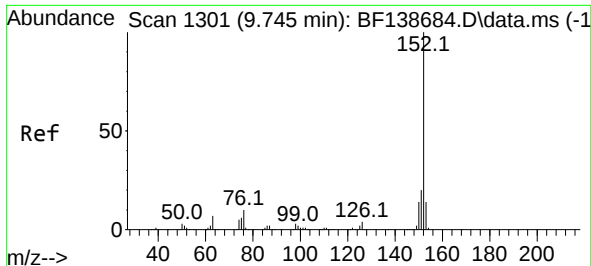
Ion Ratio Lower Upper

172 100

171 36.4 28.3 42.5

170 22.3 18.8 28.2





#49

Acenaphthylene

Concen: 2.668 ng

RT: 9.733 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

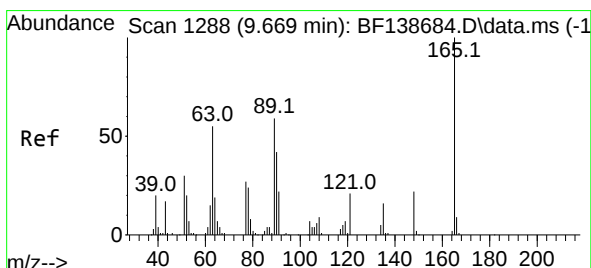
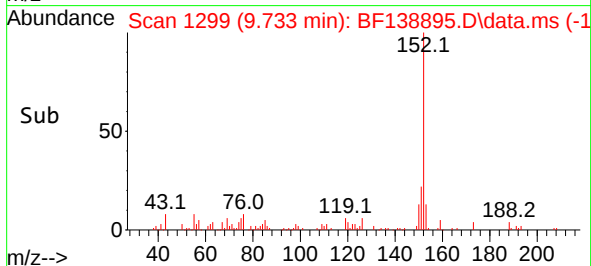
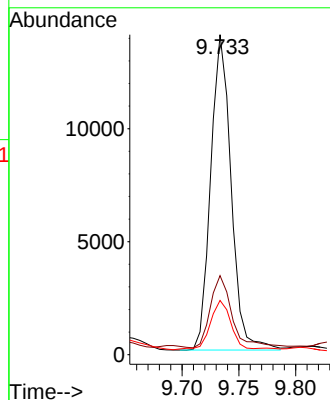
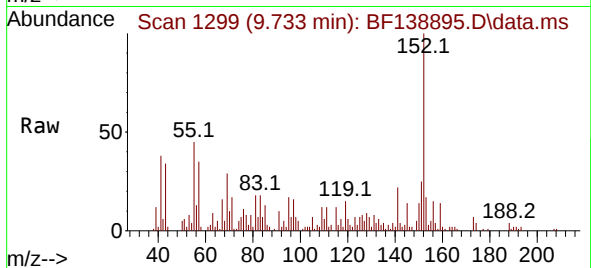
Tgt Ion:152 Resp: 17456

Ion Ratio Lower Upper

152 100

151 24.7 16.0 24.0#

153 16.9 11.0 16.4#



#51

2,6-Dinitrotoluene

Concen: 11.017 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.200 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

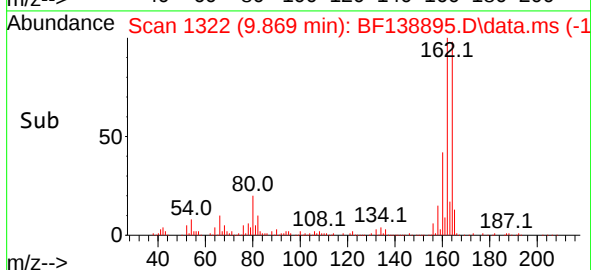
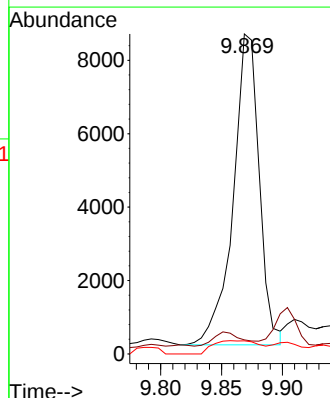
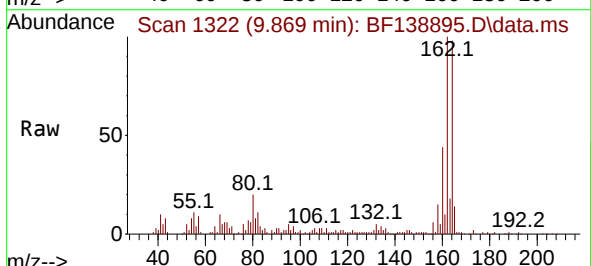
Tgt Ion:165 Resp: 12593

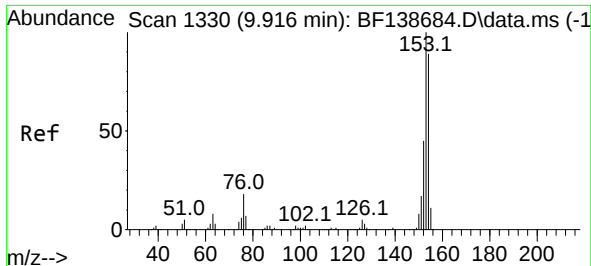
Ion Ratio Lower Upper

165 100

63 4.4 52.0 78.0#

89 4.1 47.0 70.6#

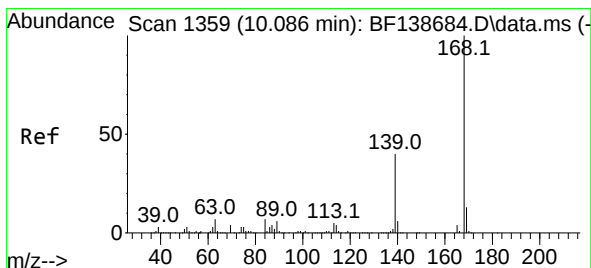
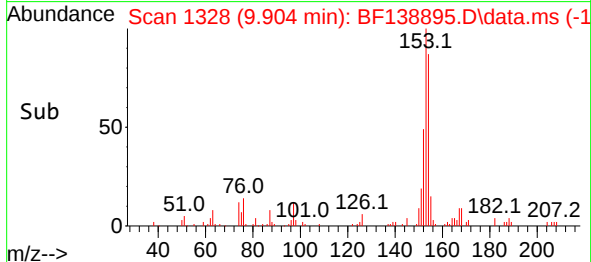
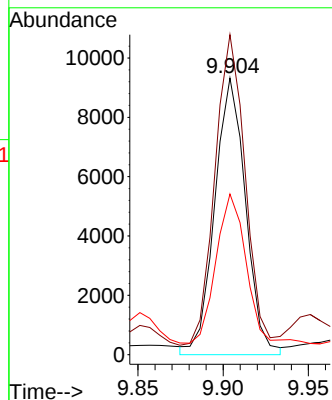
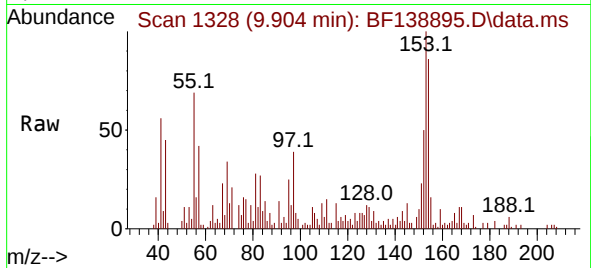




#52
Acenaphthene
Concen: 2.667 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

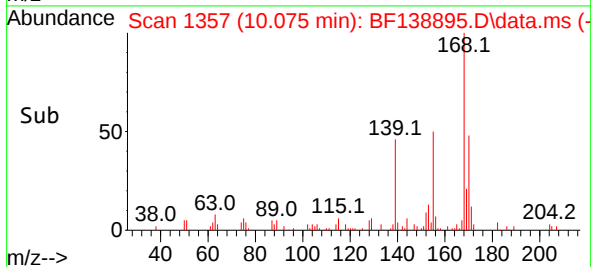
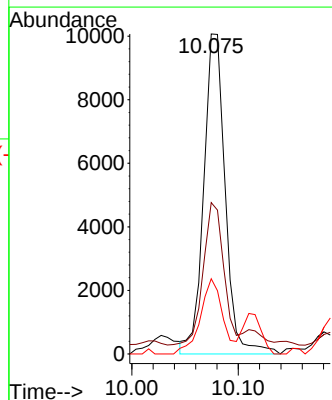
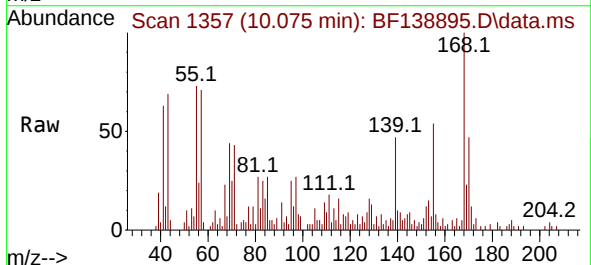
Instrument :
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EO-03-080724

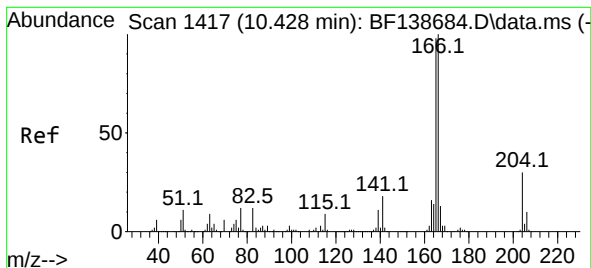
Tgt Ion:154 Resp: 11732
Ion Ratio Lower Upper
154 100
153 115.7 89.9 134.9
152 58.1 40.6 60.8



#55
Dibenzofuran
Concen: 2.280 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:168 Resp: 14159
Ion Ratio Lower Upper
168 100
139 47.3 32.6 49.0
169 23.5 10.7 16.1#





#58

Fluorene

Concen: 6.044 ng

RT: 10.422 min Scan# 1417

Delta R.T. -0.006 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

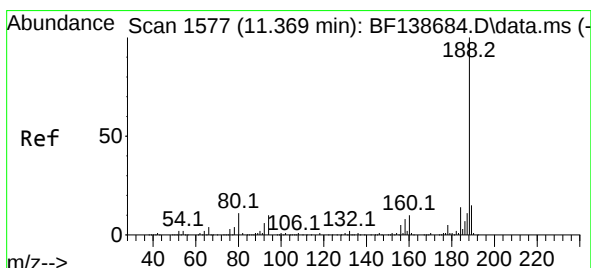
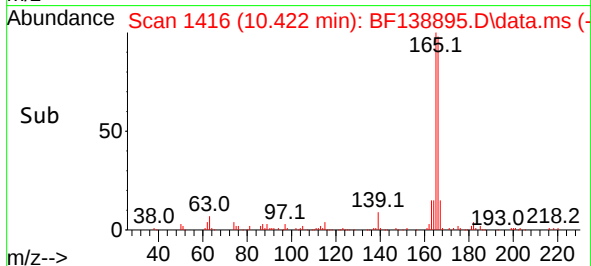
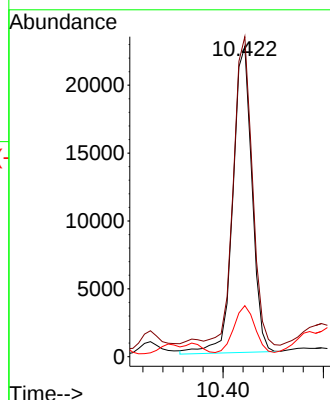
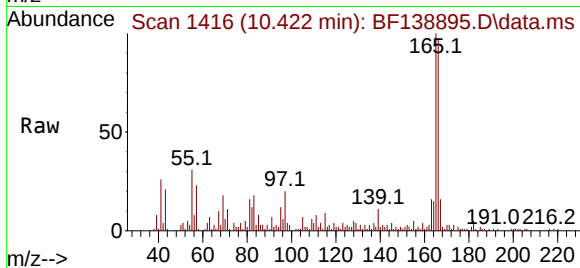
Tgt Ion:166 Resp: 29884

Ion Ratio Lower Upper

166 100

165 103.2 78.4 117.6

167 16.5 10.6 16.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

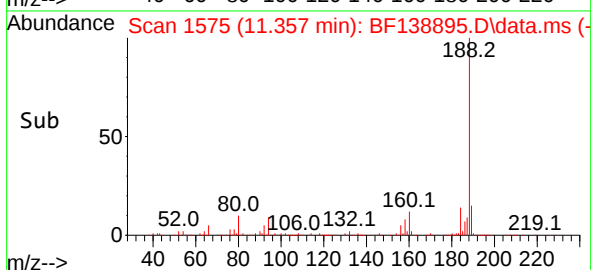
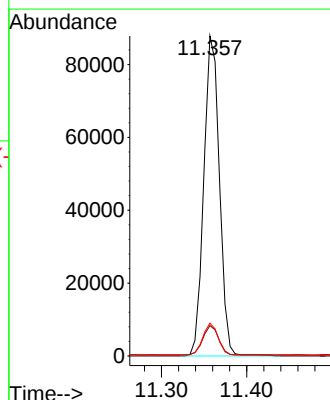
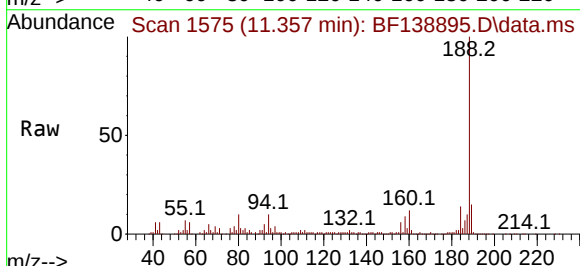
Tgt Ion:188 Resp: 111885

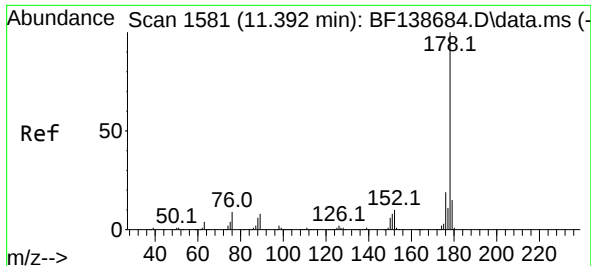
Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

80 10.3 8.6 12.8

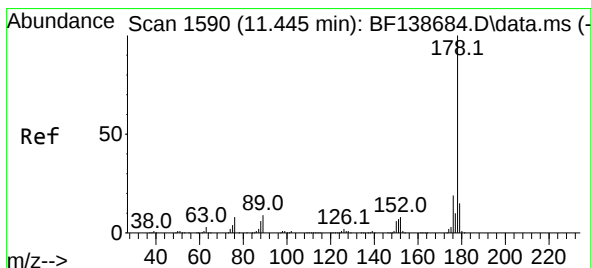
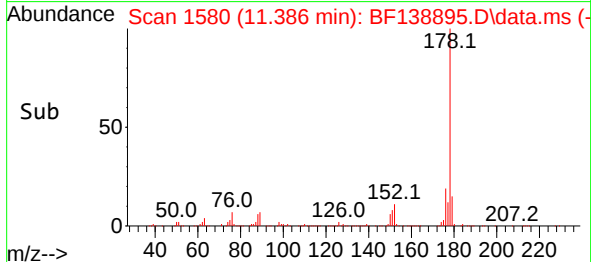
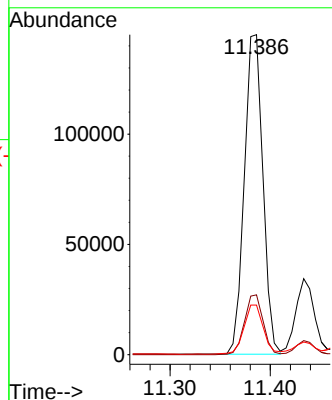
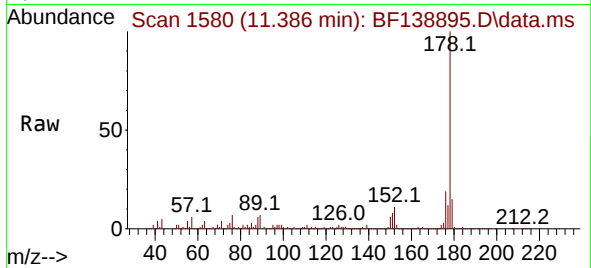




#71
Phenanthrene
Concen: 32.495 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

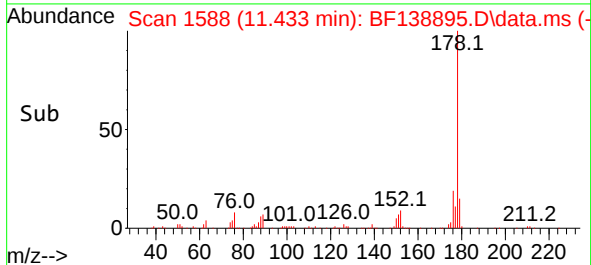
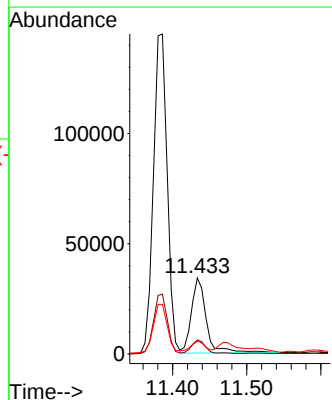
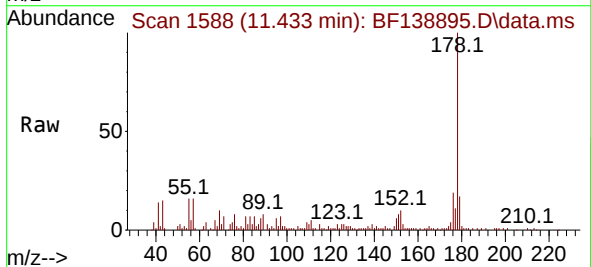
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

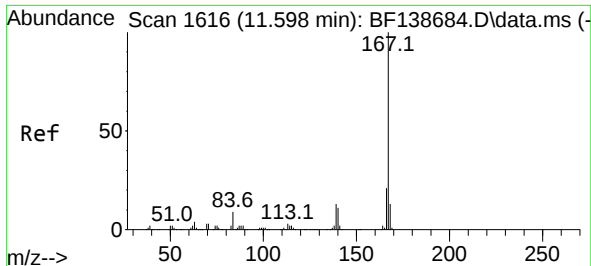
Tgt Ion:178 Resp: 187207
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.5 12.2 18.2



#72
Anthracene
Concen: 8.390 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:178 Resp: 47618
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 16.7 12.4 18.6

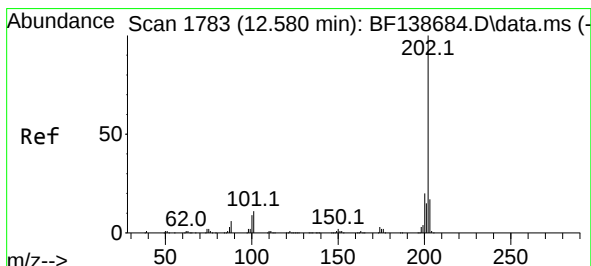
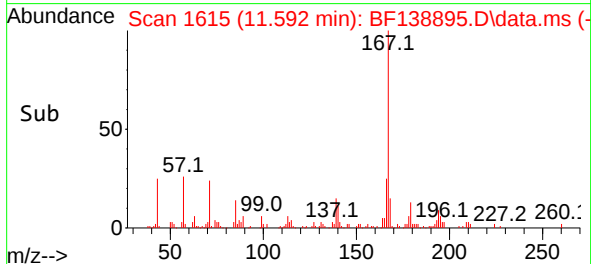
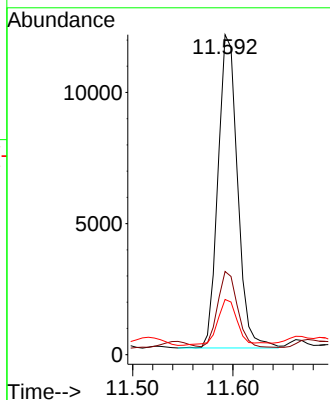
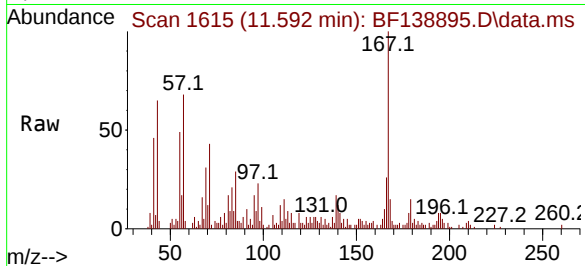




#73
 Carbazole
 Concen: 3.297 ng
 RT: 11.592 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

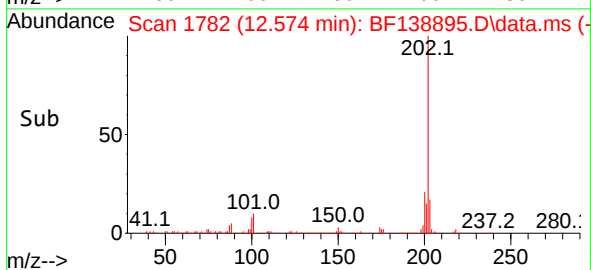
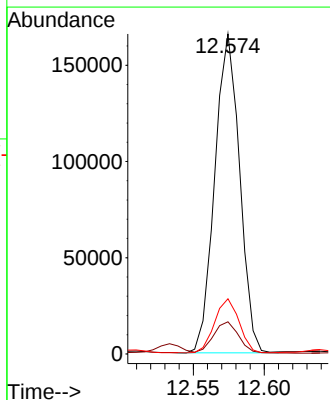
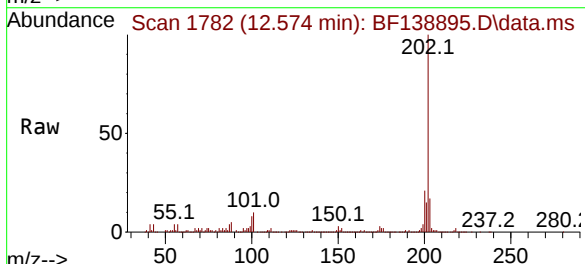
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080724

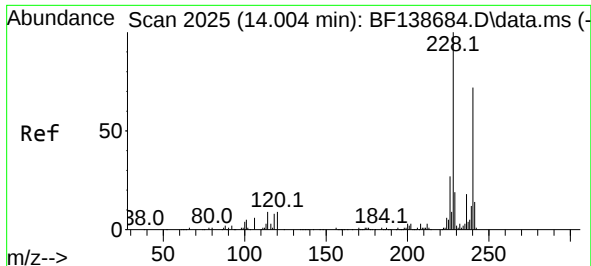
Tgt Ion:	167	Resp:	16145
Ion	Ratio	Lower	Upper
167	100		
166	26.0	17.2	25.8#
139	17.3	10.6	16.0#



#75
 Fluoranthene
 Concen: 37.450 ng
 RT: 12.574 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

Tgt Ion:	202	Resp:	201420
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.2
203	17.2	0.0	37.3

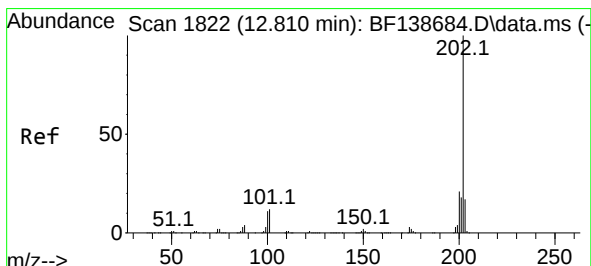
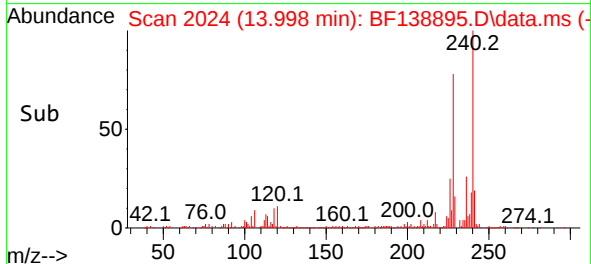
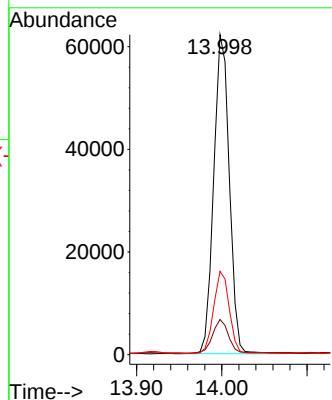
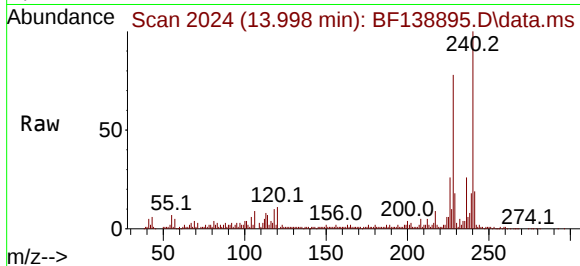




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

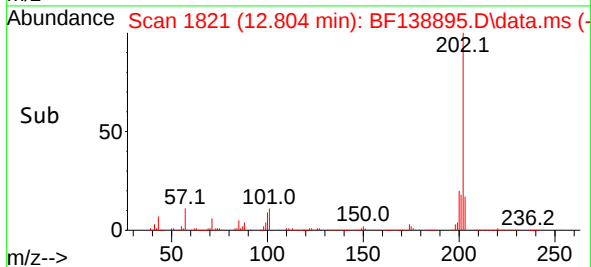
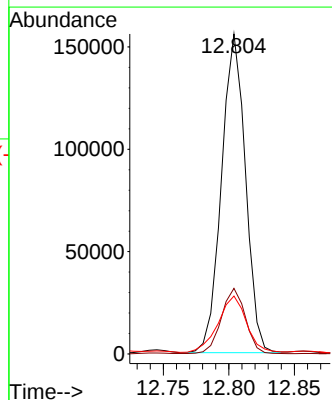
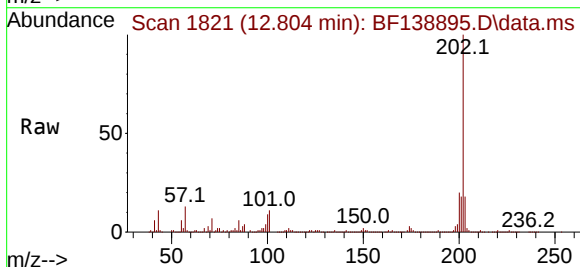
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

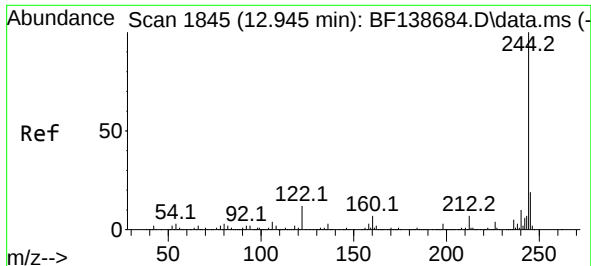
Tgt Ion:240 Resp: 79329
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.4
236 26.1 19.8 29.8



#78
Pyrene
Concen: 26.501 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

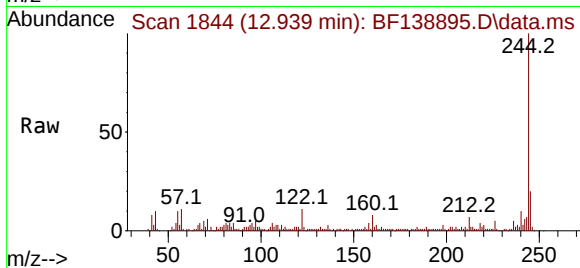
Tgt Ion:202 Resp: 197938
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 18.1 13.8 20.6



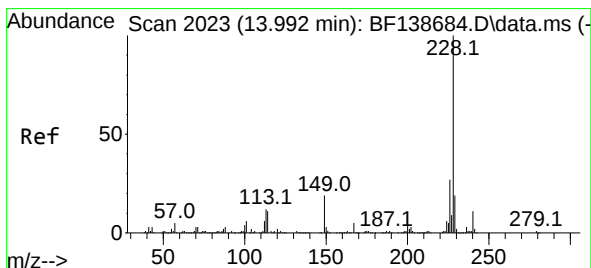
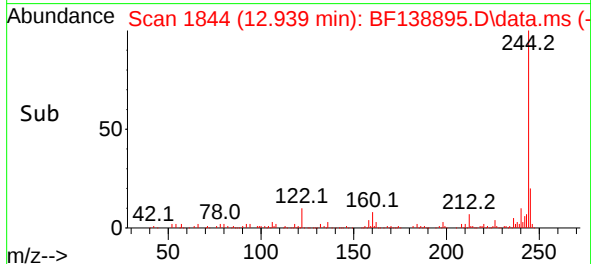
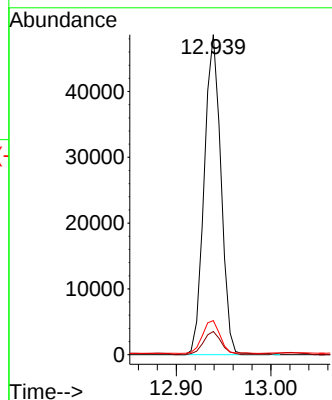


#79
 Terphenyl-d14
 Concen: 12.547 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080724

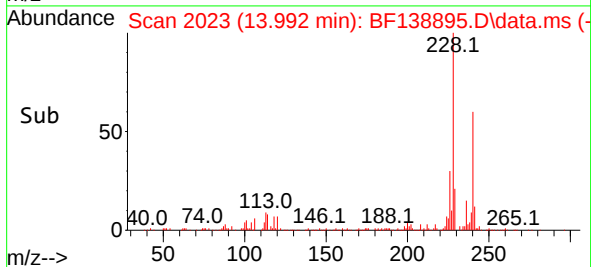
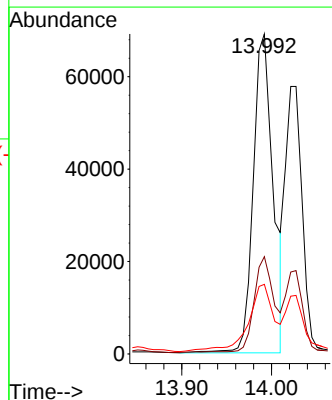
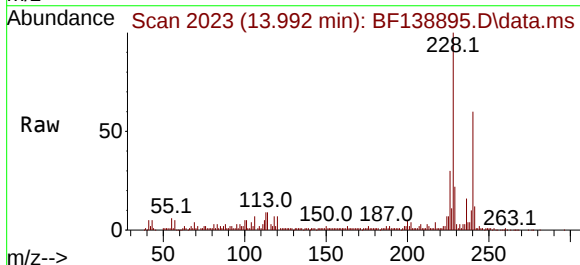


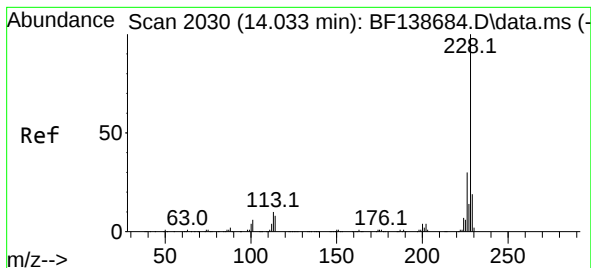
Tgt Ion:244 Resp: 59451
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 10.6 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 19.400 ng
 RT: 13.992 min Scan# 2023
 Delta R.T. -0.000 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

Tgt Ion:228 Resp: 105975
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.1 33.1
 229 21.8 15.4 23.0





#83

Chrysene

Concen: 14.985 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

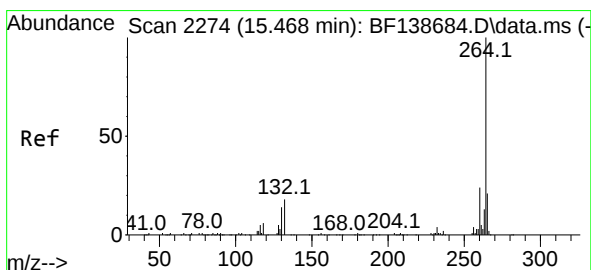
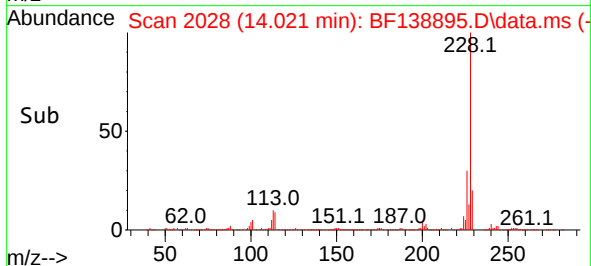
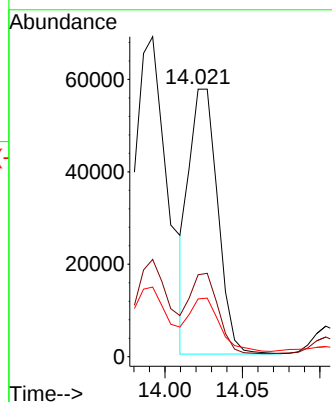
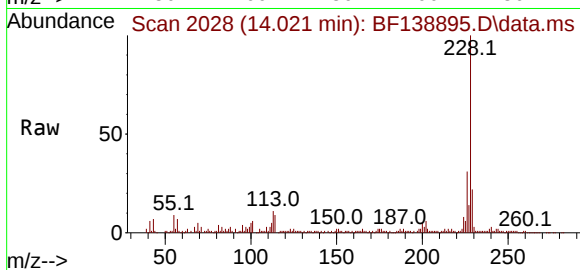
Tgt Ion:228 Resp: 73855

Ion Ratio Lower Upper

228 100

226 30.6 23.7 35.5

229 21.6 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

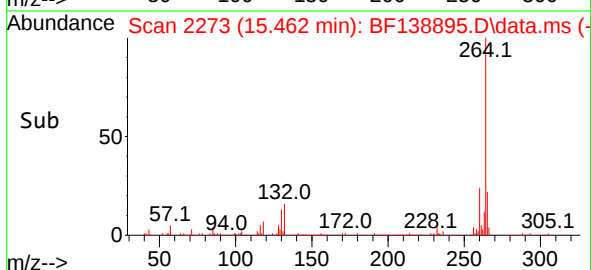
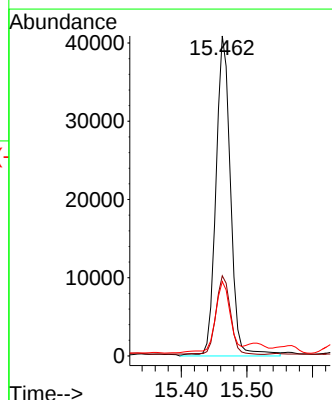
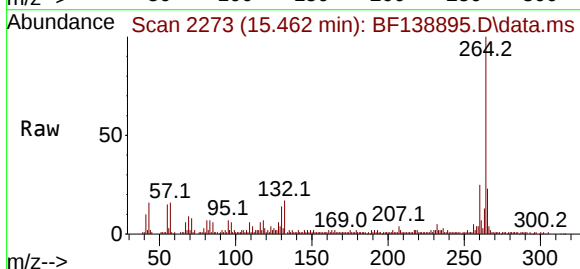
Tgt Ion:264 Resp: 63214

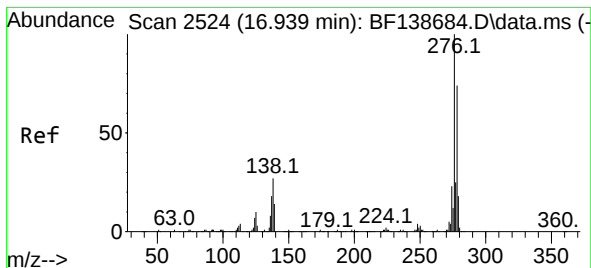
Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 23.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.090 ng

RT: 16.933 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

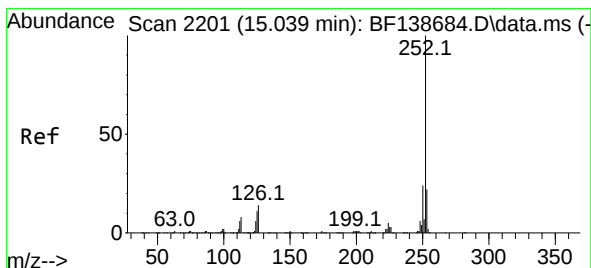
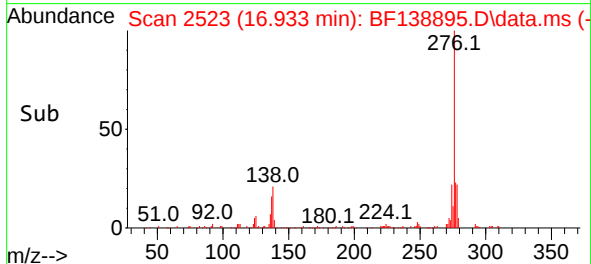
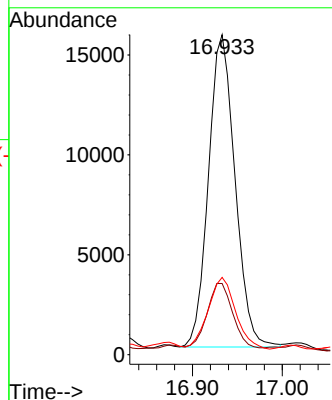
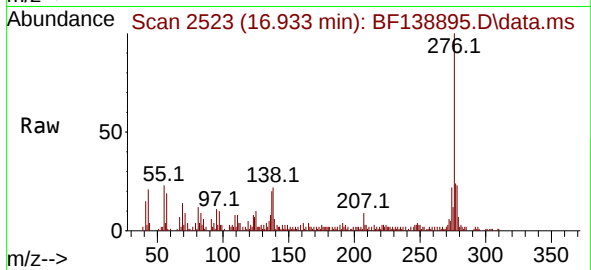
Instrument :

BNA_F

ClientSampleId :

EO-03-080724

Tgt Ion:	276	Resp:	32119
Ion Ratio	Lower	Upper	
276	100		
138	20.3	21.8	32.8#
277	23.8	20.6	30.8



#88

Benzo(b)fluoranthene

Concen: 27.831 ng

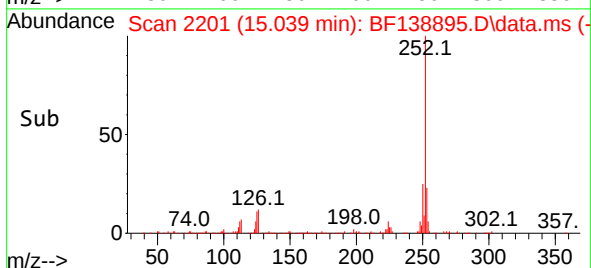
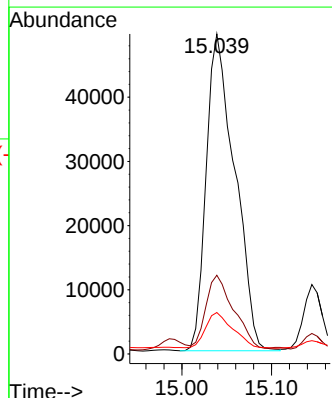
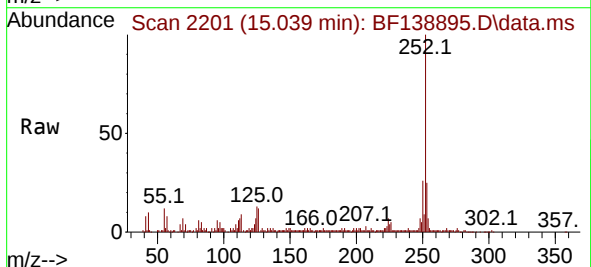
RT: 15.039 min Scan# 2201

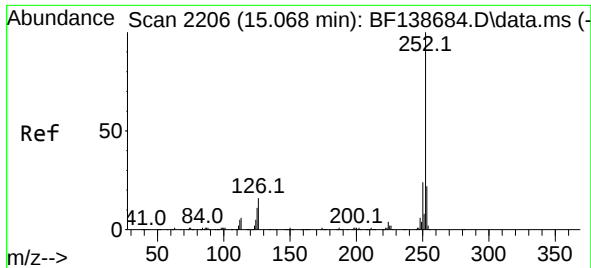
Delta R.T. -0.000 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Tgt Ion:	252	Resp:	109059
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.5	26.3
125	13.0	8.9	13.3

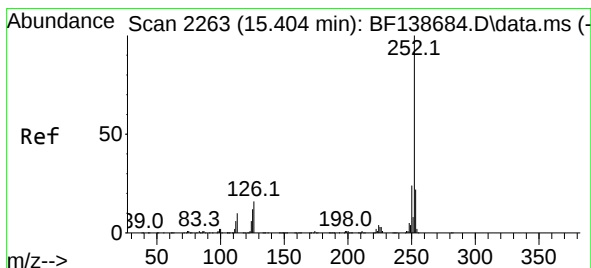
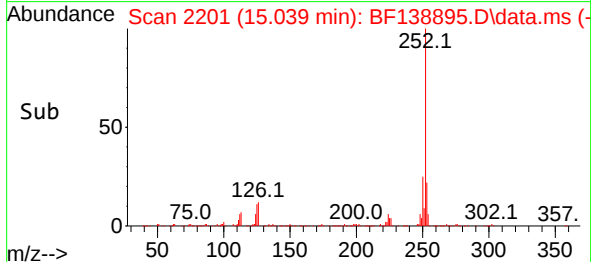
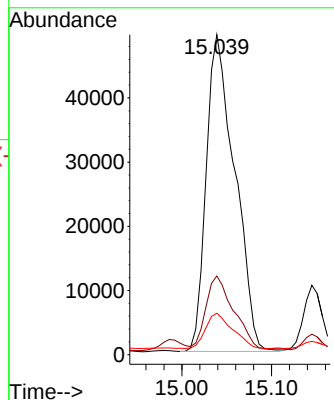
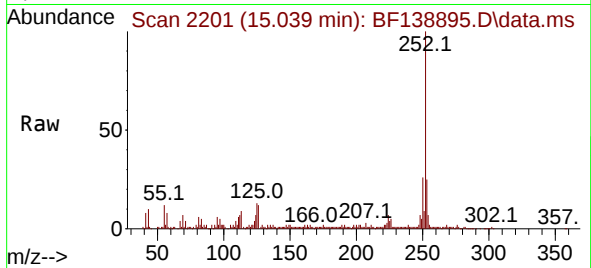




#89
Benzo(k)fluoranthene
Concen: 32.144 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

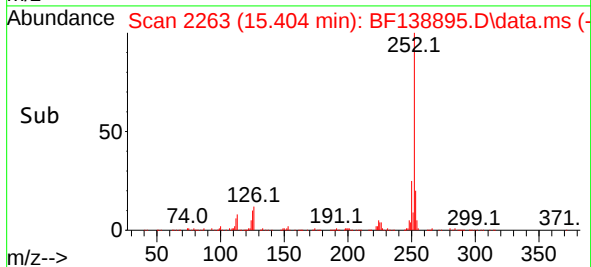
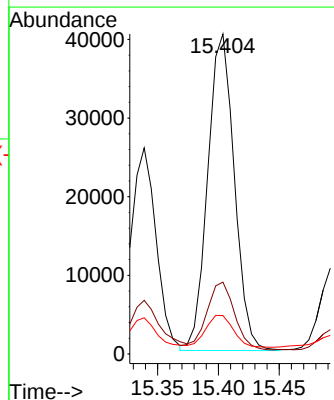
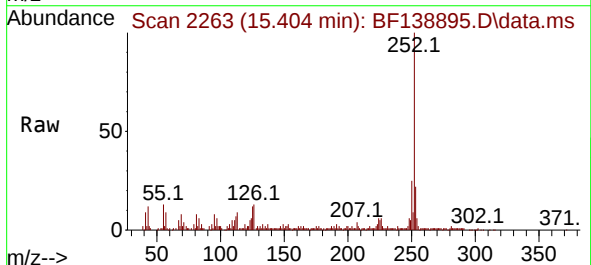
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

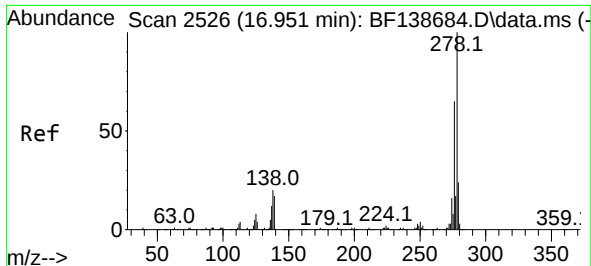
Tgt Ion:252 Resp: 109059
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 13.0 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 18.555 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:252 Resp: 61159
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 12.0 9.5 14.3

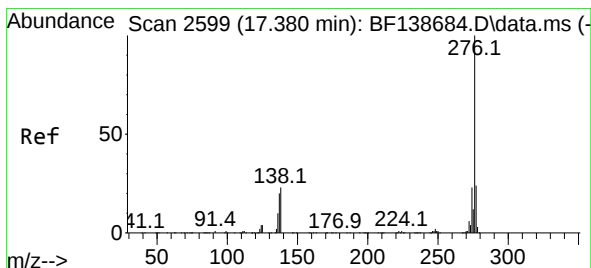
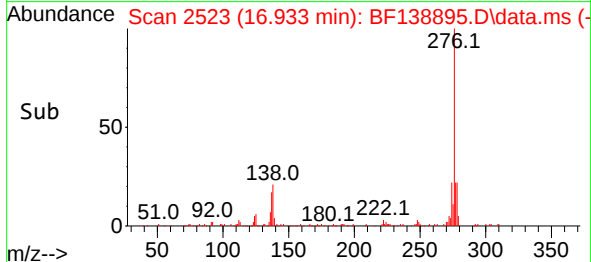
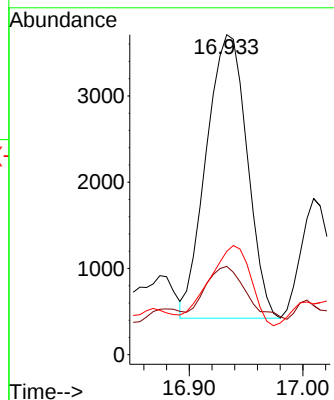
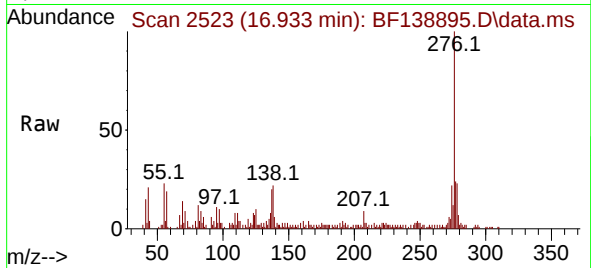




#91
Dibenzo(a,h)anthracene
Concen: 2.207 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
BNA_F
ClientSampleId :
EO-03-080724

Tgt Ion:278 Resp: 8208
Ion Ratio Lower Upper
278 100
139 27.6 14.0 21.0#
279 32.3 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 7.860 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:276 Resp: 30330
Ion Ratio Lower Upper
276 100
277 28.3 19.0 28.4
138 22.3 18.5 27.7

