

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102522\
 Data File : BF130768.D
 Acq On : 25 Oct 2022 13:51
 Operator : CG\JU
 Sample : N5223-01REDL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 15:08:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

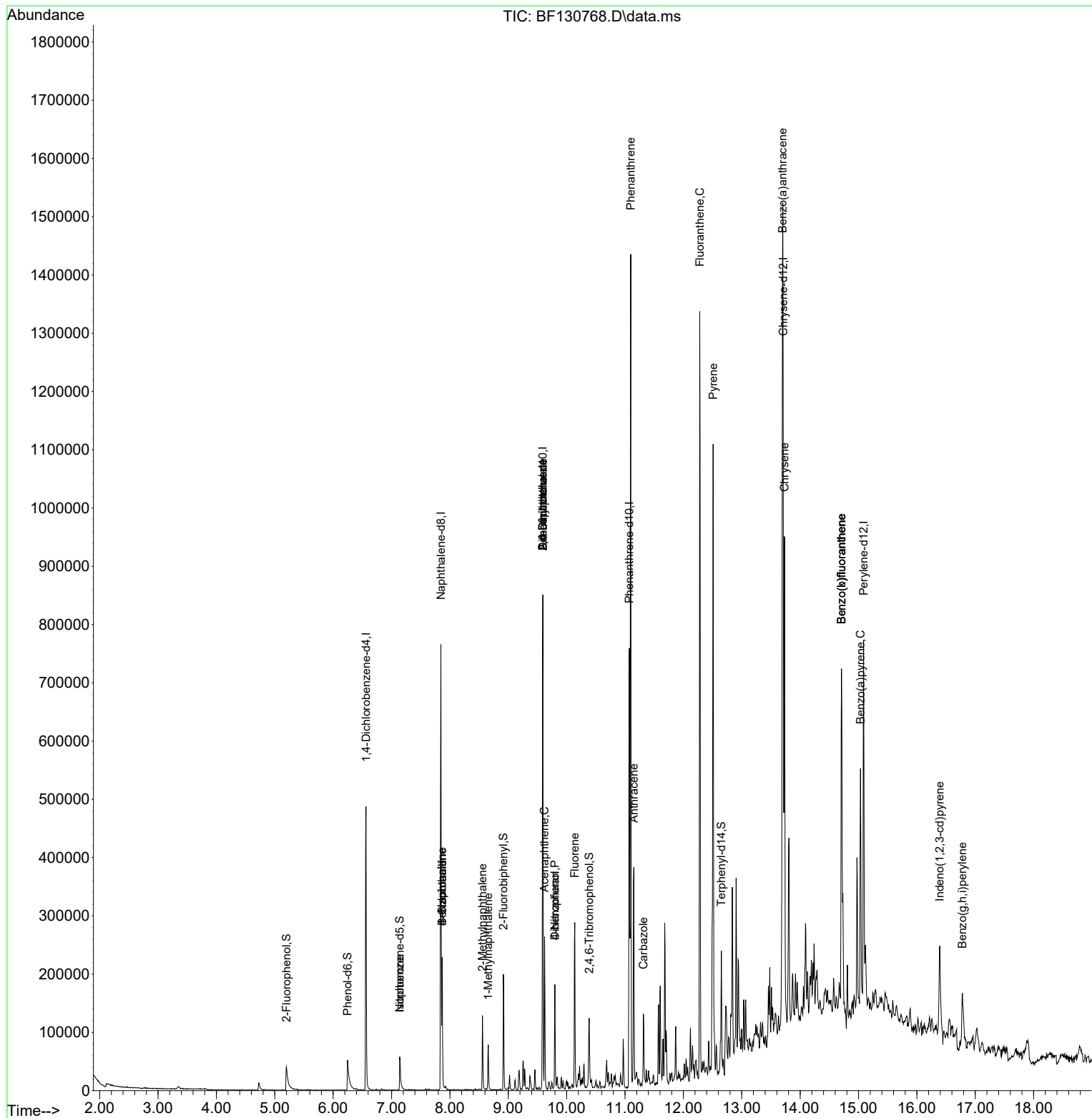
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	76594	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	313653	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	166756	20.000	ng	0.00
64) Phenanthrene-d10	11.074	188	276457	20.000	ng	0.00
76) Chrysene-d12	13.710	240	346990	20.000	ng	0.00
86) Perylene-d12	15.086	264	238112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.198	112	31903	7.182	ng	0.04
7) Phenol-d6	6.245	99	43718	8.135	ng	0.02
23) Nitrobenzene-d5	7.139	82	27129	4.588	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	11676	7.363	ng	0.00
45) 2-Fluorobiphenyl	8.916	172	59195	5.410	ng	-0.01
79) Terphenyl-d14	12.651	244	61226	2.973	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.139	82	27129	2.785	ng	# 65
31) Naphthalene	7.863	128	104681	6.473	ng	99
32) Benzoic acid	7.869	122	361	6.143	ng	# 1
33) 4-Chloroaniline	7.869	127	13239	2.128	ng	# 37
37) 2-Methylnaphthalene	8.557	142	33442	3.156	ng	97
38) 1-Methylnaphthalene	8.657	142	21756	2.071	ng	99
50) Dimethylphthalate	9.592	163	31371	2.797	ng	# 1
51) 2,6-Dinitrotoluene	9.592	165	22182	8.831	ng	# 30
52) Acenaphthene	9.622	154	49953	5.639	ng	98
55) Dibenzofuran	9.798	168	58826	4.314	ng	96
56) 4-Nitrophenol	9.798	139	23669	38.483	ng	# 9
57) 2,4-Dinitrotoluene	9.592	165	22182	6.556	ng	# 28
58) Fluorene	10.139	166	80520	7.101	ng	99
71) Phenanthrene	11.098	178	484254	31.943	ng	99
72) Anthracene	11.151	178	150353	9.938	ng	98
73) Carbazole	11.316	167	44585	3.192	ng	99
75) Fluoranthene	12.280	202	504630	32.926	ng	99
77) Benzidine	12.439	184	132	Below Cal		# 1
78) Pyrene	12.510	202	414400	14.228	ng	100
81) Benzo(a)anthracene	13.698	228	357662	15.426	ng	98
83) Chrysene	13.733	228	280355	12.480	ng	98
87) Indeno(1,2,3-cd)pyrene	16.392	276	87609	5.130	ng	99
88) Benzo(b)fluoranthene	14.709	252	364765	23.007	ng	# 95
89) Benzo(k)fluoranthene	14.709	252	364765	22.901	ng	# 97
90) Benzo(a)pyrene	15.033	252	187455	14.721	ng	98
92) Benzo(g,h,i)perylene	16.780	276	70022	4.948	ng	# 96

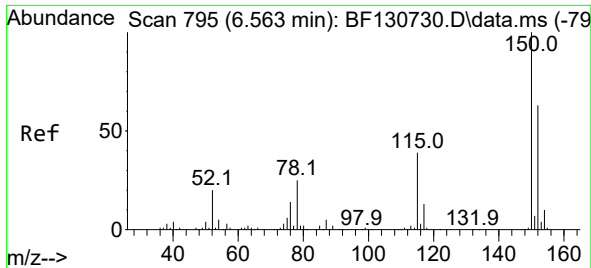
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102522\
Data File : BF130768.D
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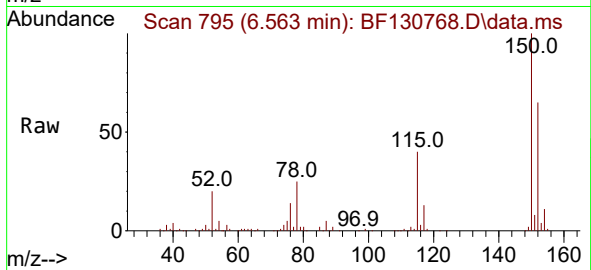
Quant Time: Oct 25 15:08:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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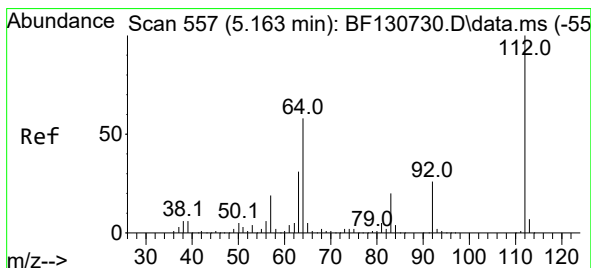
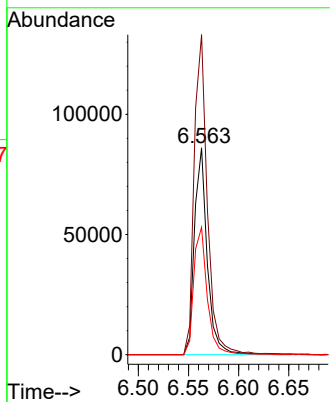
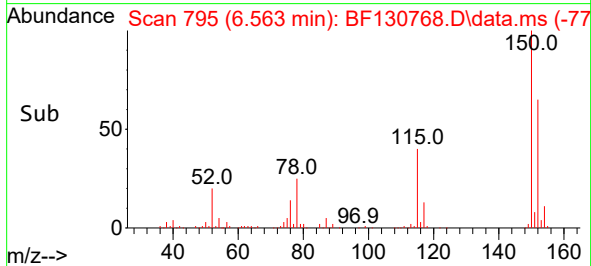


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.563 min Scan# 795
 Delta R.T. -0.000 min
 Lab File: BF130768.D
 Acq: 25 Oct 2022 13:51

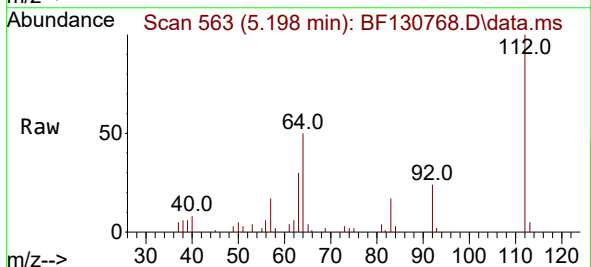
Instrument :
 BNA_F
 ClientSampleId :



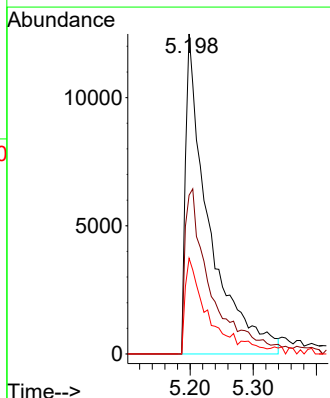
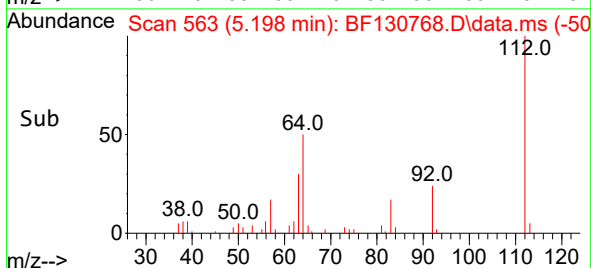
Tgt Ion:152 Resp: 76594
 Ion Ratio Lower Upper
 152 100
 150 154.7 127.0 190.6
 115 61.6 49.9 74.9

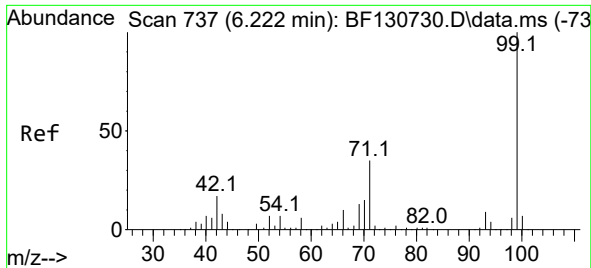


#5
 2-Fluorophenol
 Concen: 7.182 ng
 RT: 5.198 min Scan# 563
 Delta R.T. 0.035 min
 Lab File: BF130768.D
 Acq: 25 Oct 2022 13:51



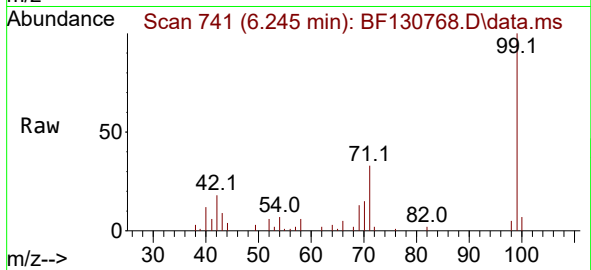
Tgt Ion:112 Resp: 31903
 Ion Ratio Lower Upper
 112 100
 64 49.6 46.2 69.4
 63 29.9 25.1 37.7



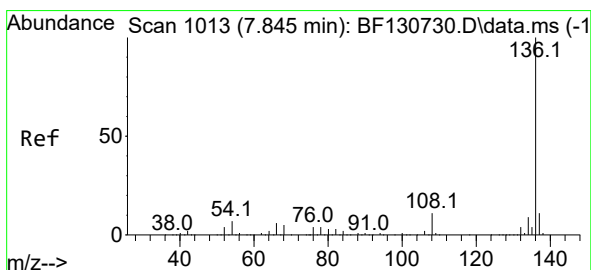
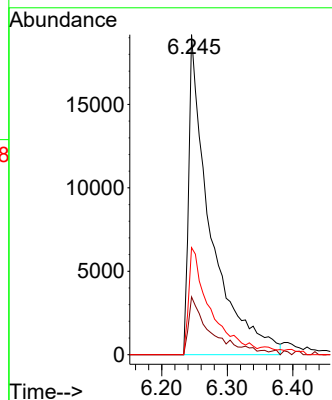
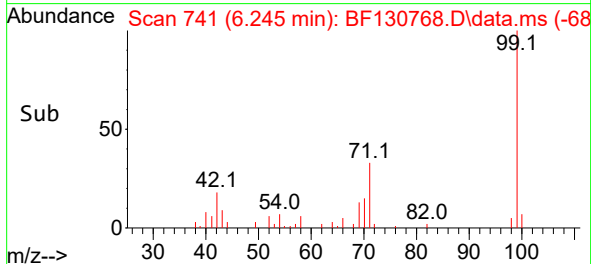


#7
Phenol-d6
Concen: 8.135 ng
RT: 6.245 min Scan# 741
Delta R.T. 0.023 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

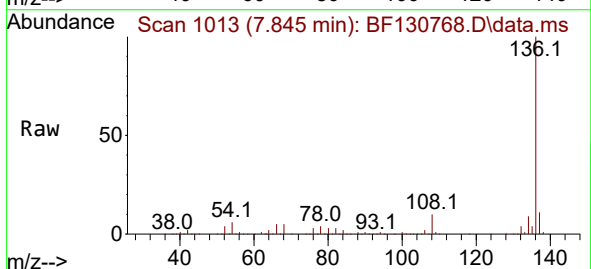
Instrument :
BNA_F
ClientSampleId :



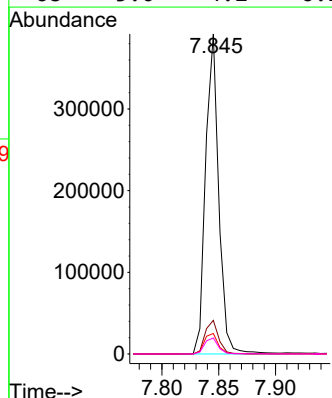
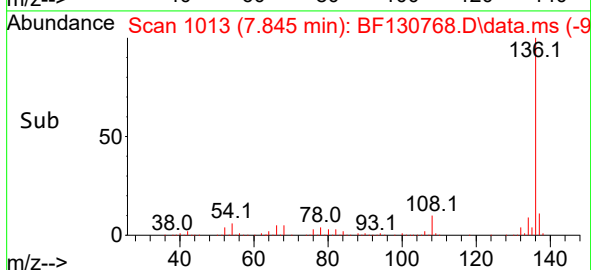
Tgt Ion: 99 Resp: 43718
Ion Ratio Lower Upper
99 100
42 18.0 13.8 20.8
71 33.4 28.3 42.5

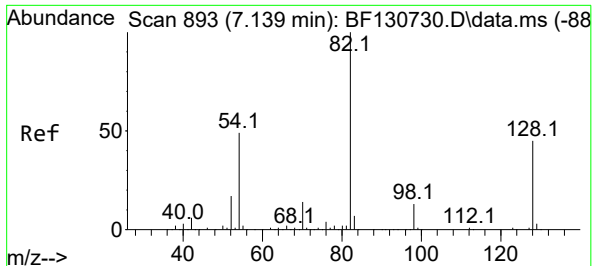


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51



Tgt Ion: 136 Resp: 313653
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.4 5.8 8.8
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 4.588 ng

RT: 7.139 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF130768.D

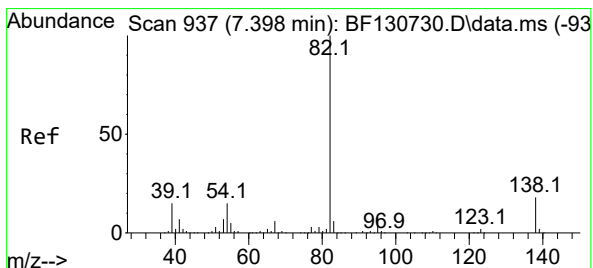
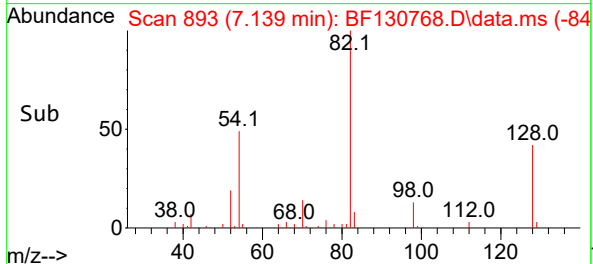
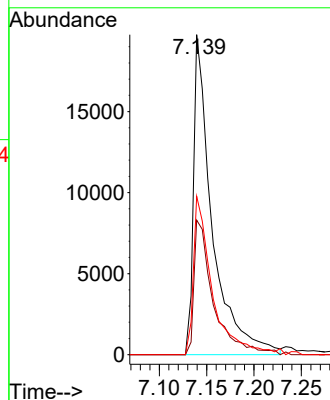
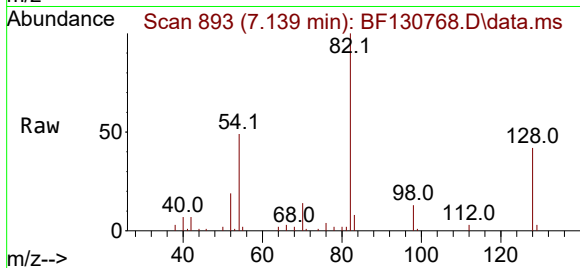
Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	82	Resp:	27129
Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.9	53.9
54	49.5	39.2	58.8



#25

Isophorone

Concen: 2.785 ng

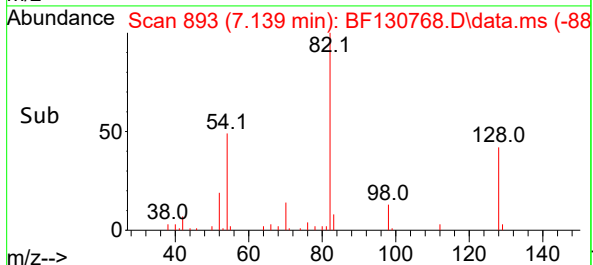
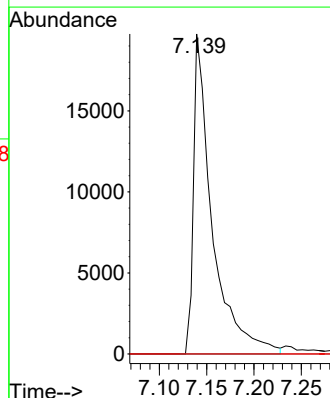
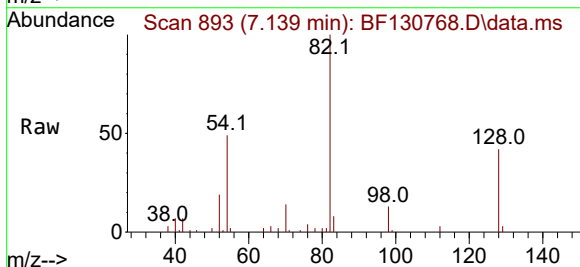
RT: 7.139 min Scan# 893

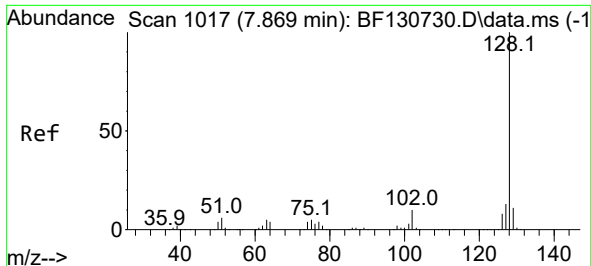
Delta R.T. -0.259 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

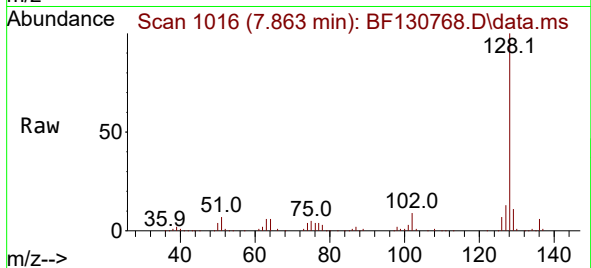
Tgt Ion:	82	Resp:	27129
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.3	9.5#
138	0.0	14.6	21.8#



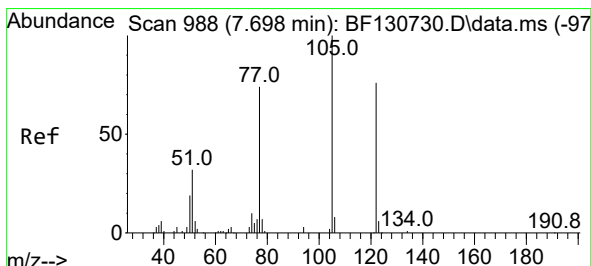
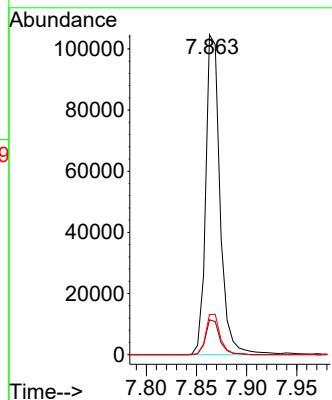
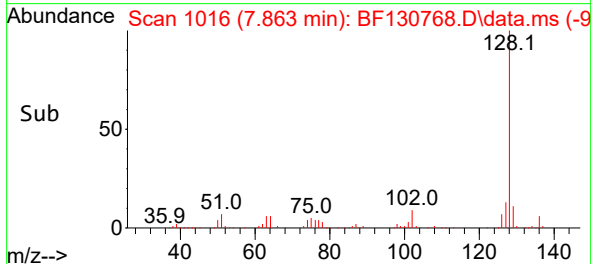


#31
Naphthalene
Concen: 6.473 ng
RT: 7.863 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

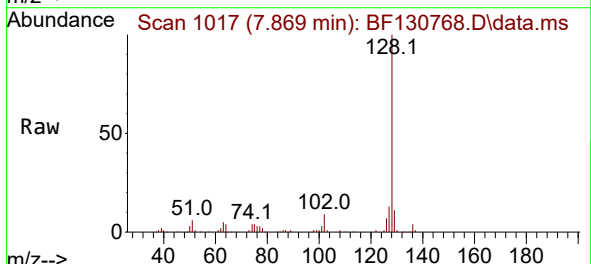
Instrument :
BNA_F
ClientSampleId :



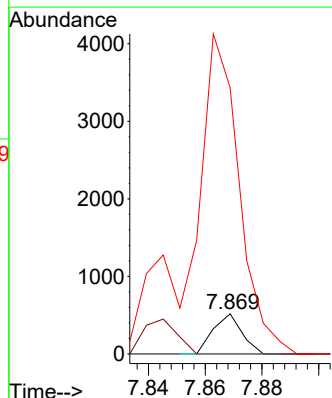
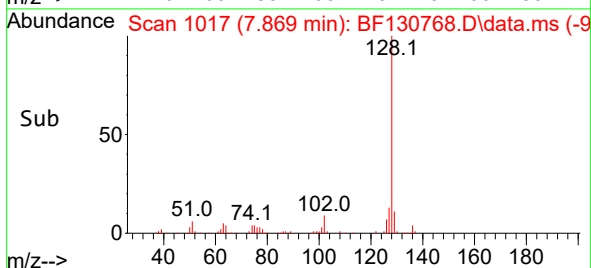
Tgt Ion:128 Resp: 104681
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 12.6 10.6 16.0

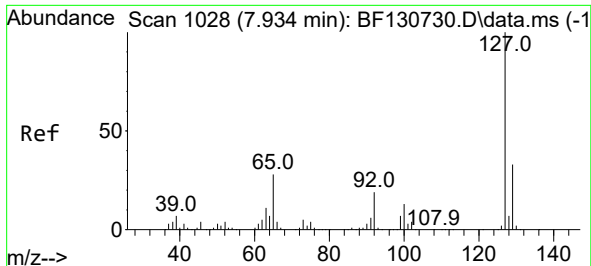


#32
Benzoic acid
Concen: 6.143 ng
RT: 7.869 min Scan# 1017
Delta R.T. 0.171 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51



Tgt Ion:122 Resp: 361
Ion Ratio Lower Upper
122 100
105 0.0 109.2 149.2#
77 664.0 75.7 115.7#

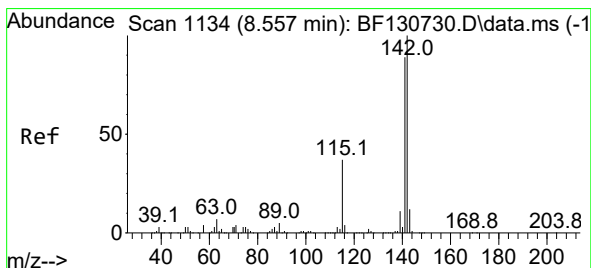
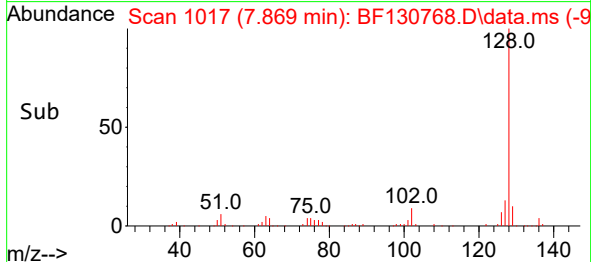
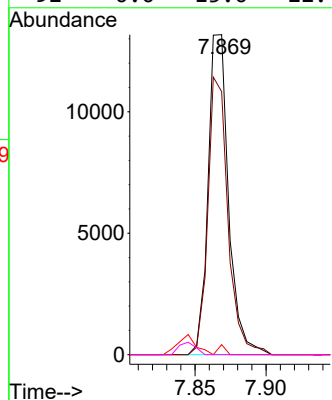
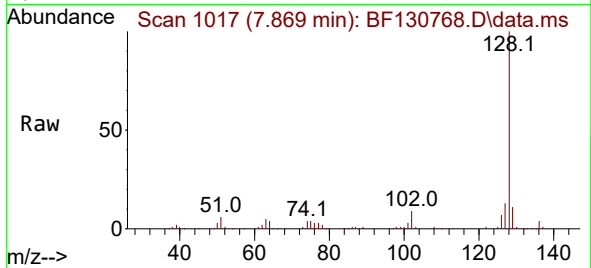




#33
4-Chloroaniline
Concen: 2.128 ng
RT: 7.869 min Scan# 1028
Delta R.T. -0.065 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

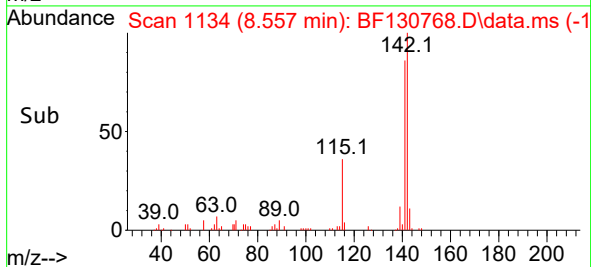
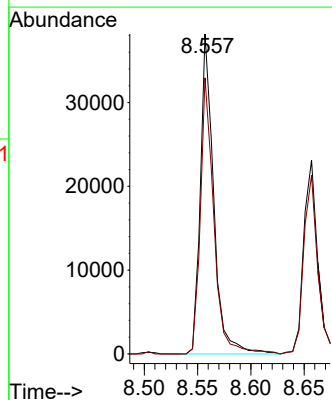
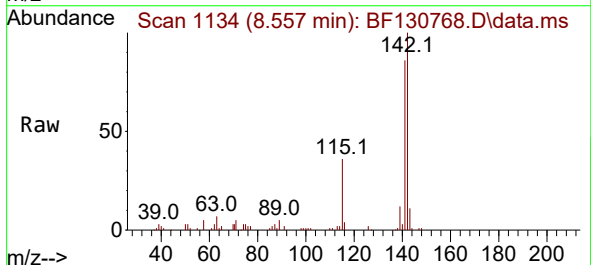
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BNA_F
ClientSampleId :

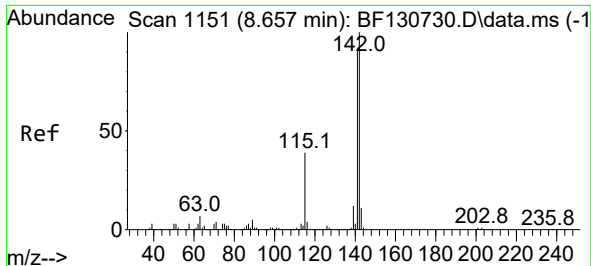
Tgt Ion:127	Resp:	13239
Ion Ratio	Lower	Upper
127	100	
129	82.2	26.2 39.4#
65	3.2	22.6 33.8#
92	0.0	15.0 22.4#



#37
2-Methylnaphthalene
Concen: 3.156 ng
RT: 8.557 min Scan# 1134
Delta R.T. -0.000 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:142	Resp:	33442
Ion Ratio	Lower	Upper
142	100	
141	86.3	71.0 106.4





#38

1-Methylnaphthalene

Concen: 2.071 ng

RT: 8.657 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

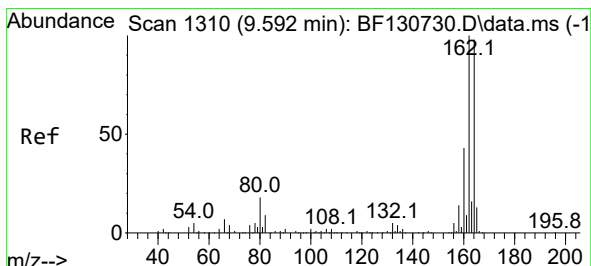
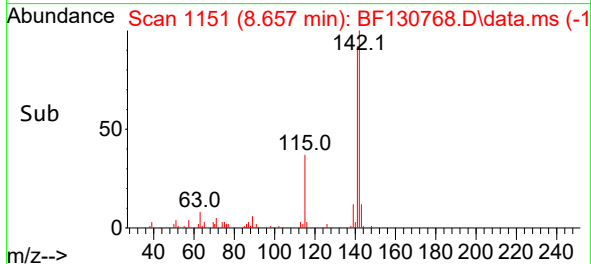
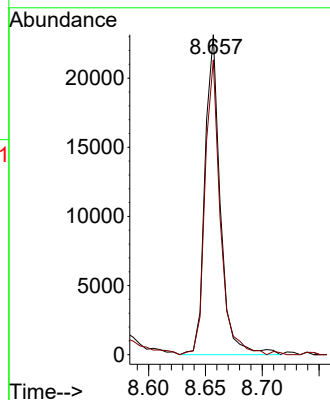
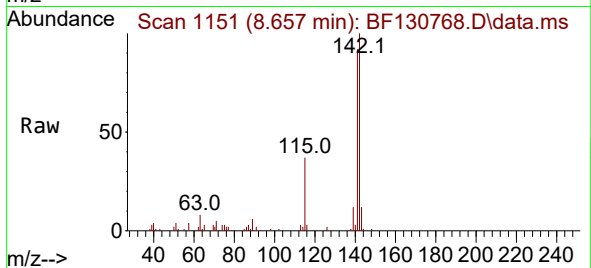
ClientSampleId :

Tgt Ion:142 Resp: 21756

Ion Ratio Lower Upper

142 100

141 92.2 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.592 min Scan# 1310

Delta R.T. 0.000 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

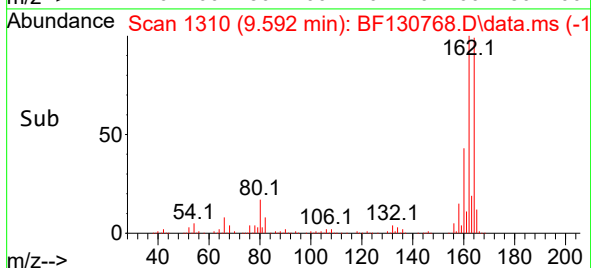
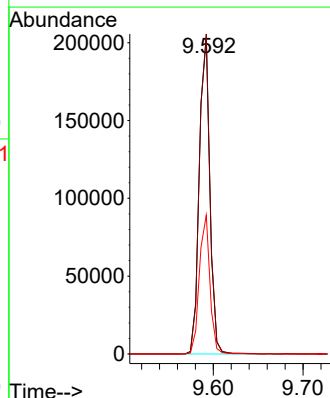
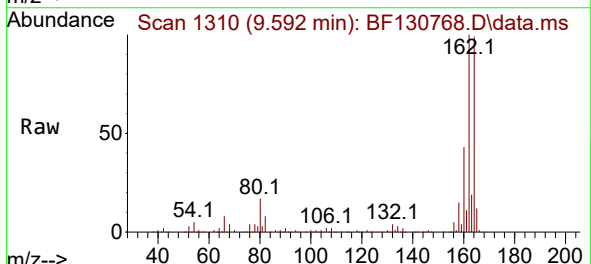
Tgt Ion:164 Resp: 166756

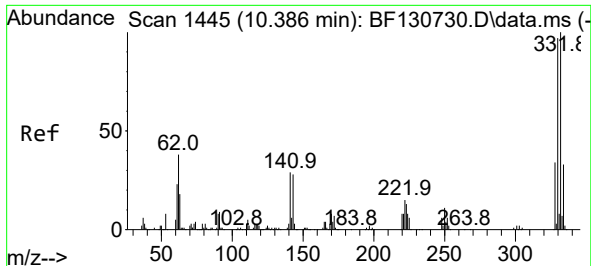
Ion Ratio Lower Upper

164 100

162 101.2 81.4 122.0

160 43.8 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 7.363 ng

RT: 10.386 min Scan# 1445

Delta R.T. 0.000 min

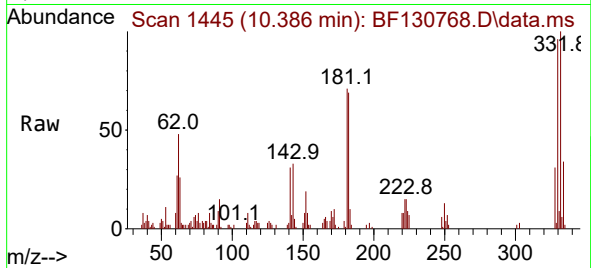
Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :



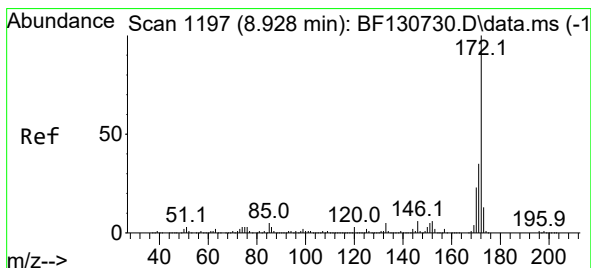
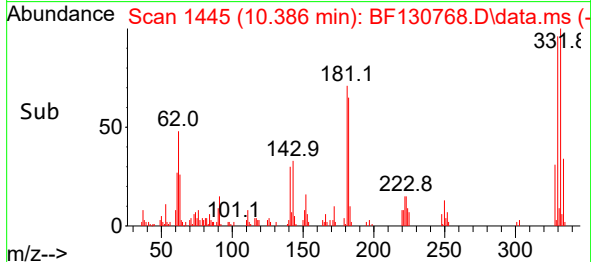
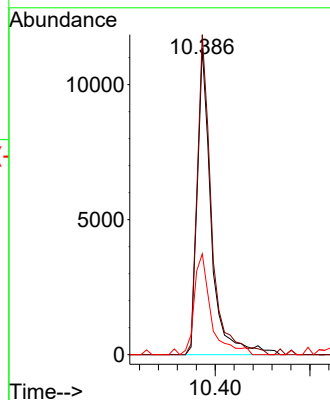
Tgt Ion:330 Resp: 11676

Ion Ratio Lower Upper

330 100

332 105.7 81.4 122.2

141 39.7 24.6 37.0#



#45

2-Fluorobiphenyl

Concen: 5.410 ng

RT: 8.916 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

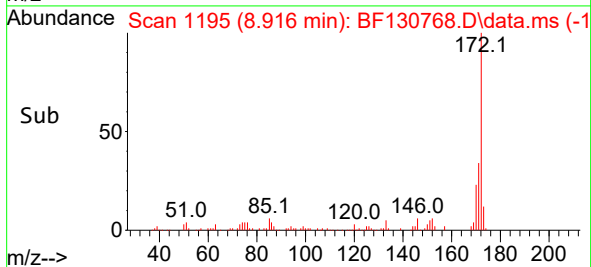
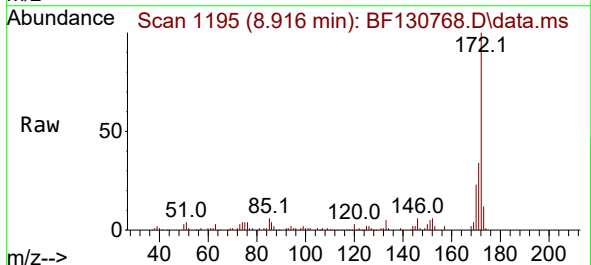
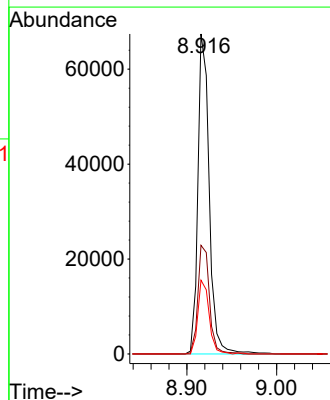
Tgt Ion:172 Resp: 59195

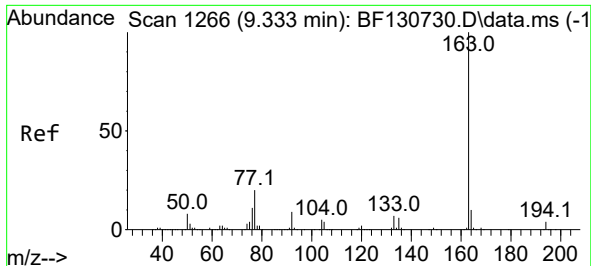
Ion Ratio Lower Upper

172 100

171 33.9 28.2 42.2

170 23.1 18.5 27.7

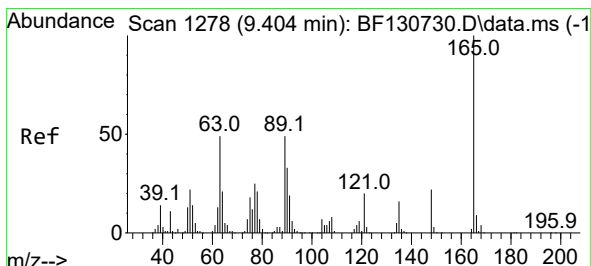
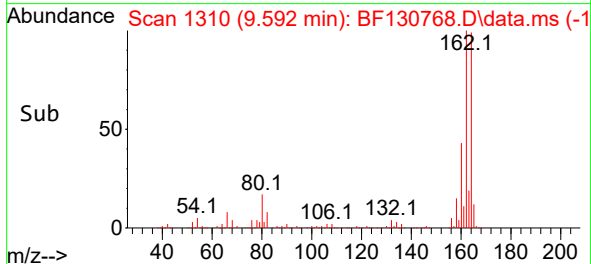
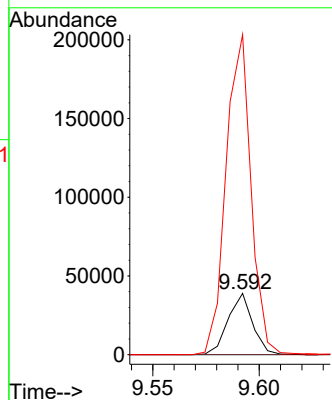
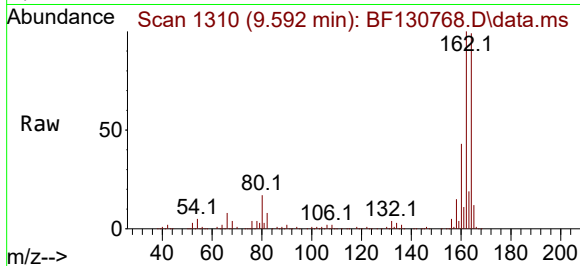




#50
Dimethylphthalate
Concen: 2.797 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

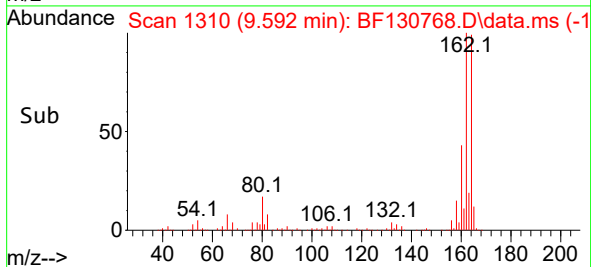
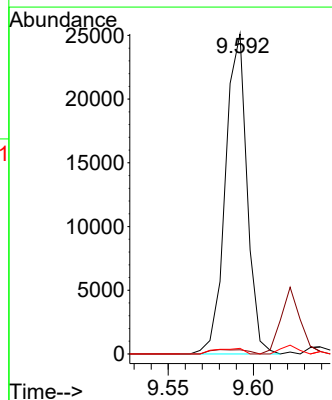
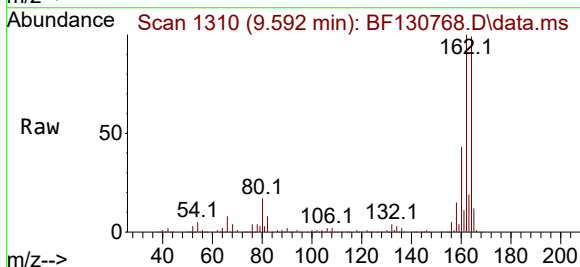
Instrument :
BNA_F
ClientSampleId :

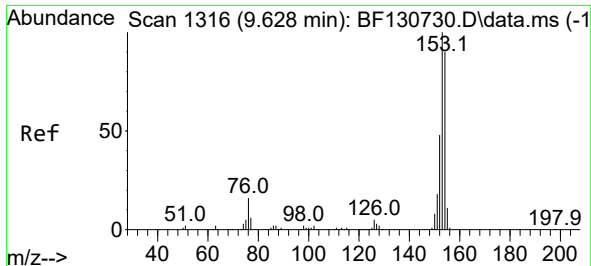
Tgt Ion:163 Resp: 31371
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 522.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.831 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.188 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:165 Resp: 22182
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.7 39.4 59.2#

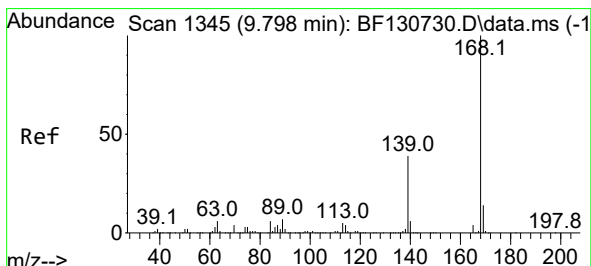
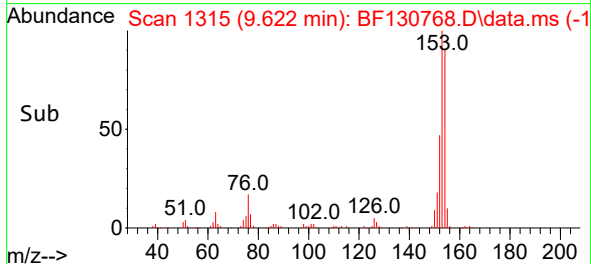
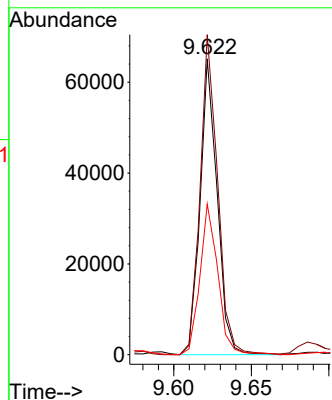
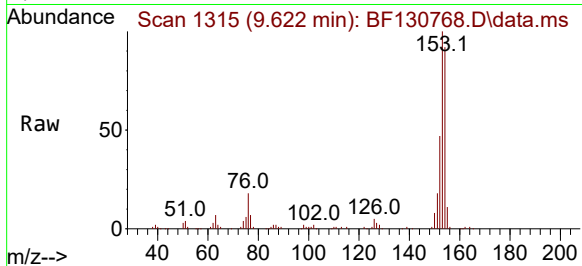




#52
Acenaphthene
Concen: 5.639 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

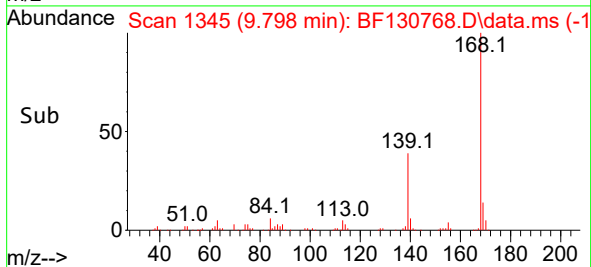
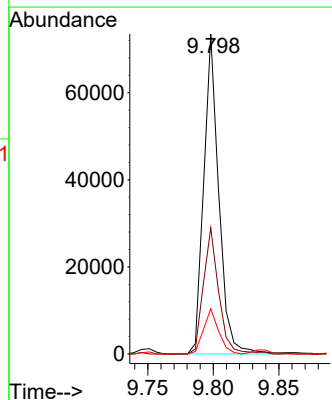
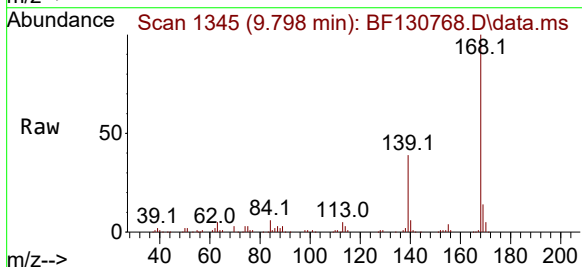
Instrument :
BNA_F
ClientSampleId :

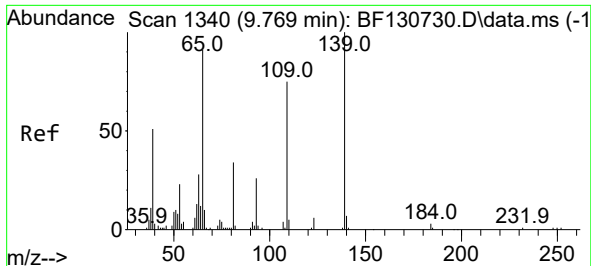
Tgt Ion:154 Resp: 49953
Ion Ratio Lower Upper
154 100
153 108.2 88.4 132.6
152 51.0 42.0 63.0



#55
Dibenzofuran
Concen: 4.314 ng
RT: 9.798 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:168 Resp: 58826
Ion Ratio Lower Upper
168 100
139 39.4 34.3 51.5
169 14.2 11.0 16.6

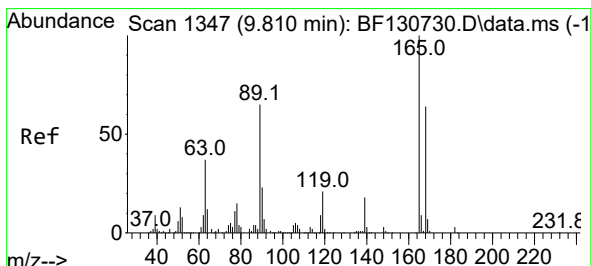
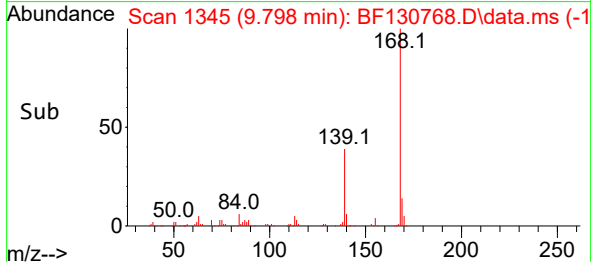
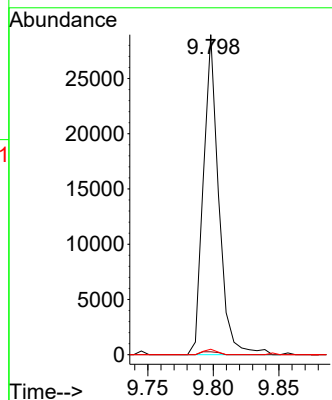
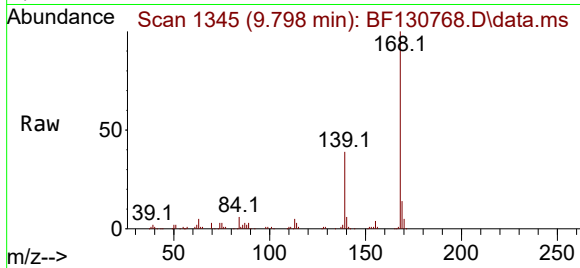




#56
4-Nitrophenol
Concen: 38.483 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

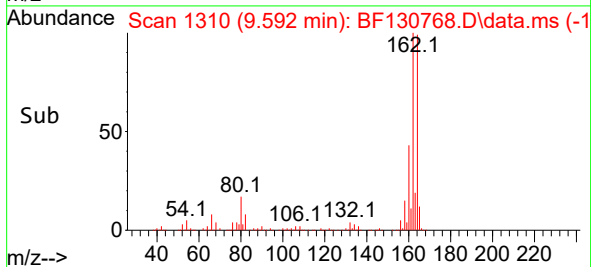
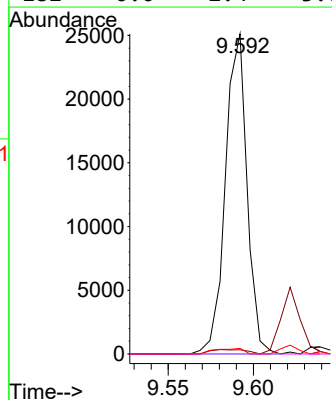
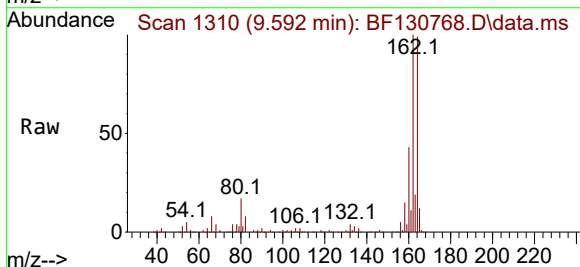
Instrument :
BNA_F
ClientSampleId :

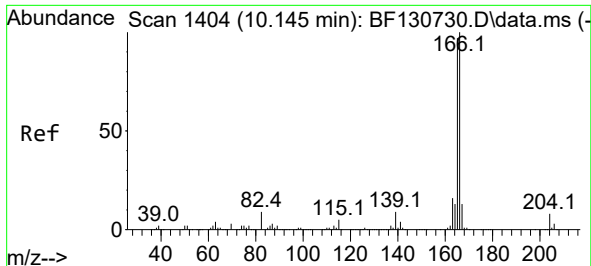
Tgt Ion:139 Resp: 23669
Ion Ratio Lower Upper
139 100
109 0.9 55.1 95.1#
65 1.7 72.2 112.2#



#57
2,4-Dinitrotoluene
Concen: 6.556 ng
RT: 9.592 min Scan# 1310
Delta R.T. -0.218 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:165 Resp: 22182
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.7 51.9 77.9#
182 0.0 2.4 3.6#

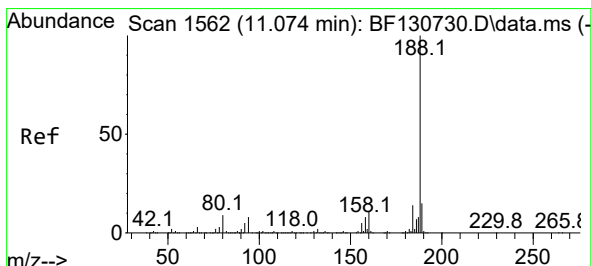
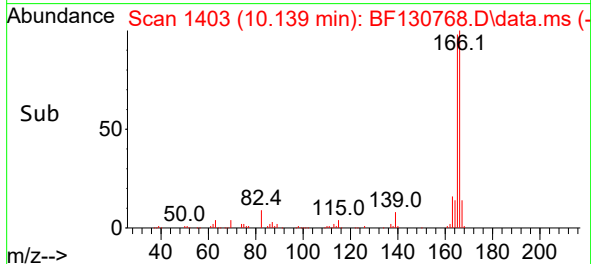
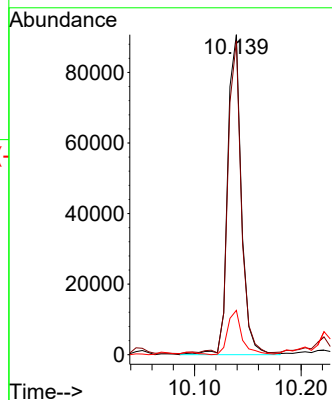
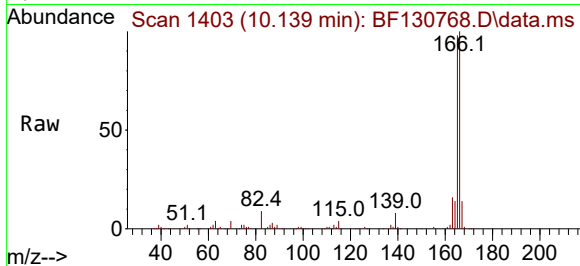




#58
Fluorene
Concen: 7.101 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

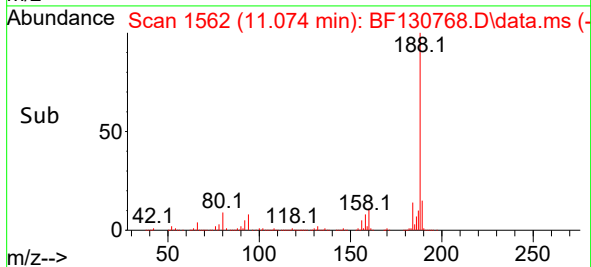
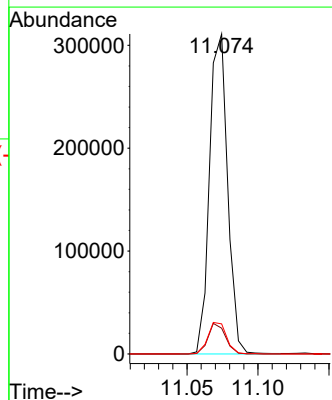
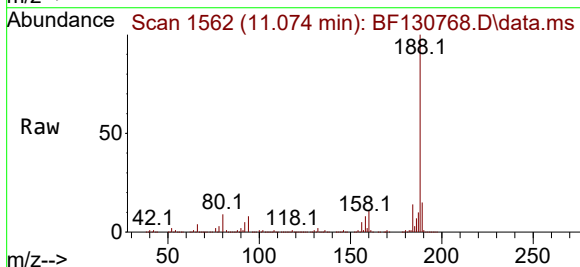
Instrument :
BNA_F
ClientSampleId :

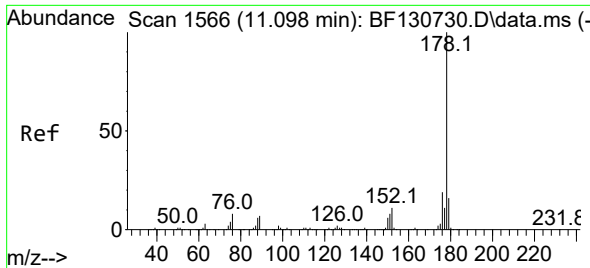
Tgt Ion:166 Resp: 80520
Ion Ratio Lower Upper
166 100
165 98.0 77.6 116.4
167 13.8 10.3 15.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.074 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:188 Resp: 276457
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.4 7.4 11.0

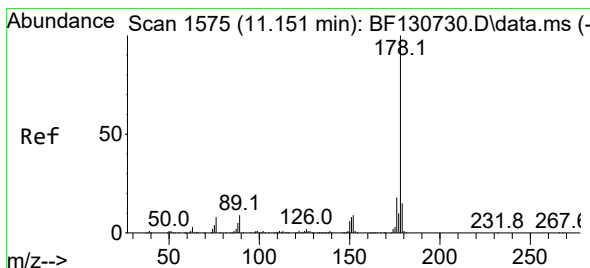
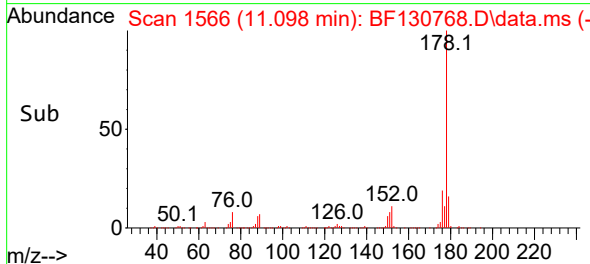
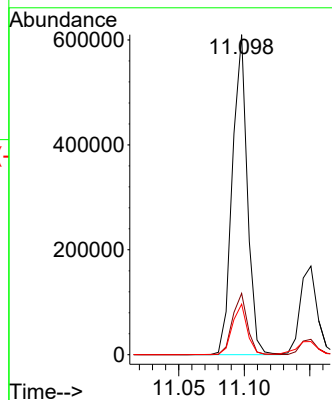
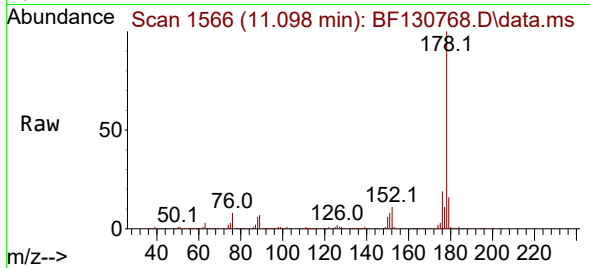




#71
Phenanthrene
Concen: 31.943 ng
RT: 11.098 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

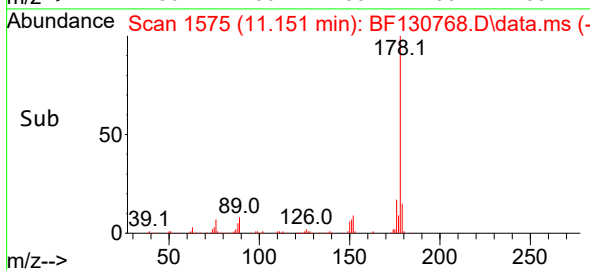
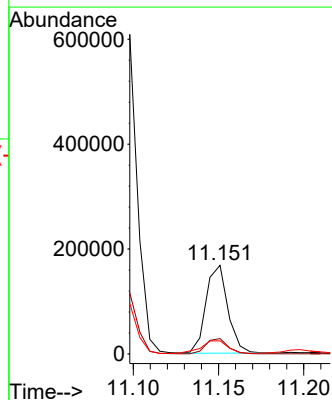
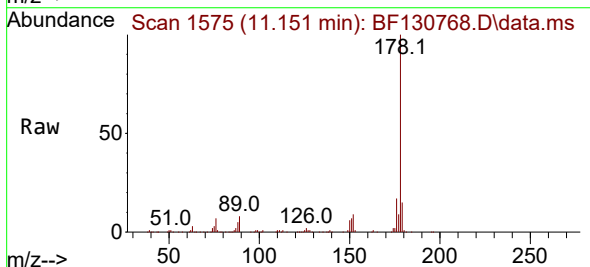
Instrument :
BNA_F
ClientSampleId :

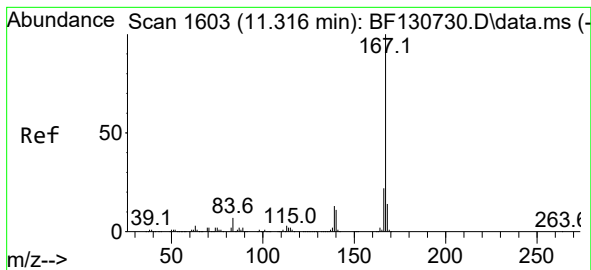
Tgt Ion:178 Resp: 484254
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.8 12.4 18.6



#72
Anthracene
Concen: 9.938 ng
RT: 11.151 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:178 Resp: 150353
Ion Ratio Lower Upper
178 100
176 17.4 14.6 21.8
179 14.9 12.4 18.6





#73

Carbazole

Concen: 3.192 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :

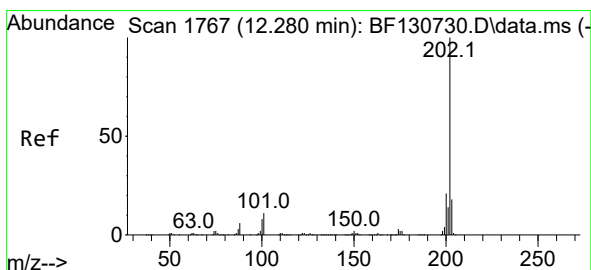
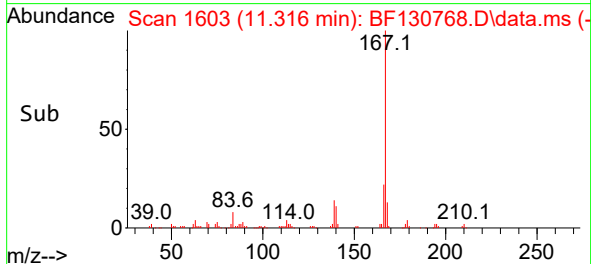
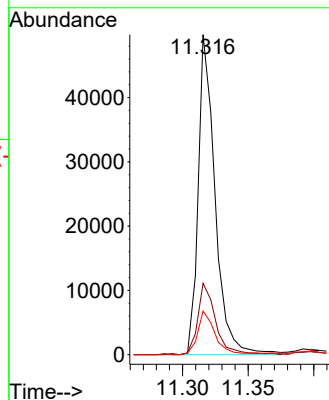
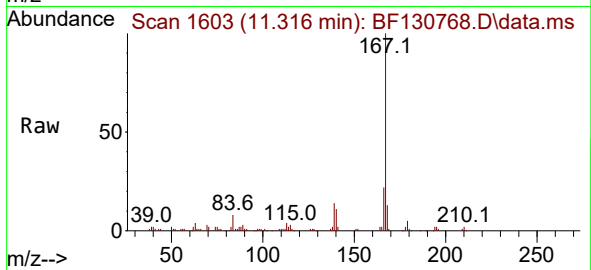
Tgt Ion:167 Resp: 44585

Ion Ratio Lower Upper

167 100

166 22.3 17.3 25.9

139 13.6 10.7 16.1



#75

Fluoranthene

Concen: 32.926 ng

RT: 12.280 min Scan# 1767

Delta R.T. -0.000 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

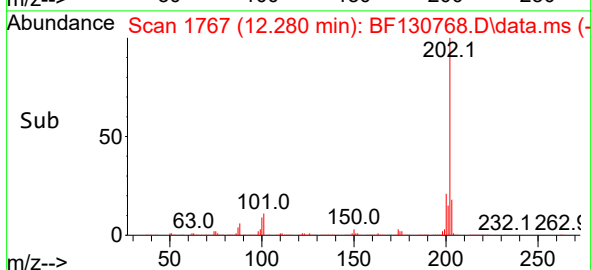
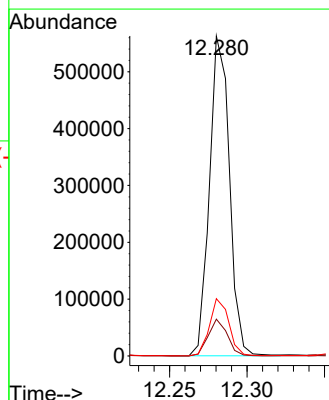
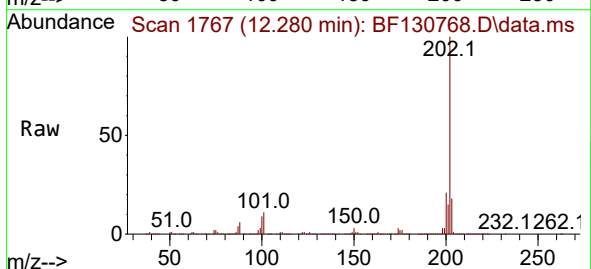
Tgt Ion:202 Resp: 504630

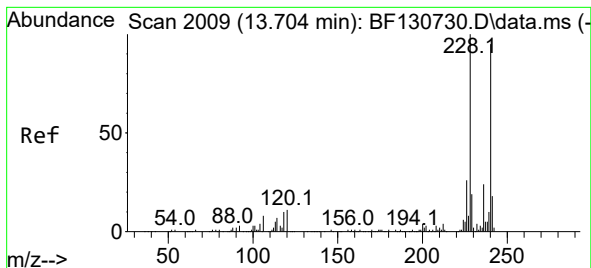
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.0

203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.710 min Scan# 2009

Delta R.T. 0.006 min

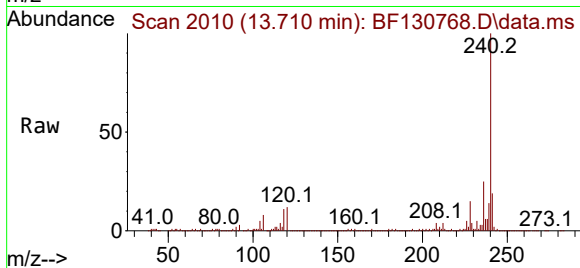
Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :



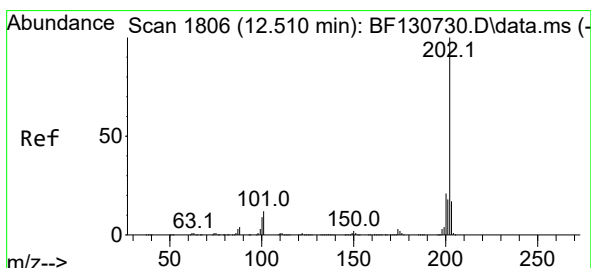
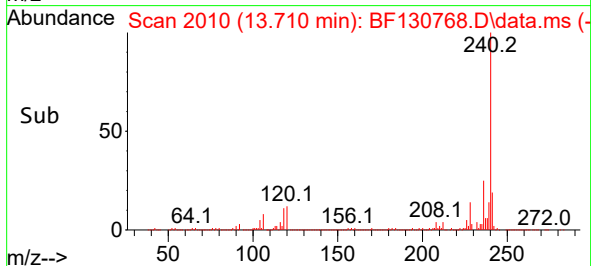
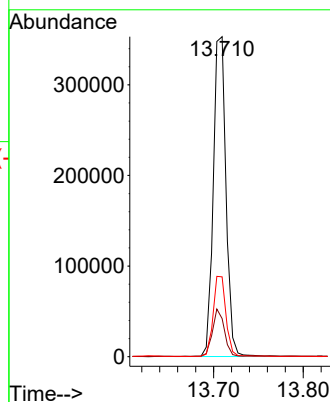
Tgt Ion:240 Resp: 346990

Ion Ratio Lower Upper

240 100

120 11.9 9.6 14.4

236 25.0 20.2 30.2



#78

Pyrene

Concen: 14.228 ng

RT: 12.510 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

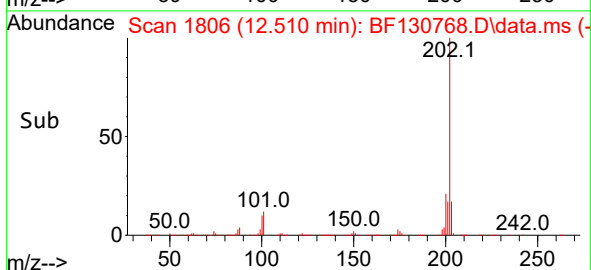
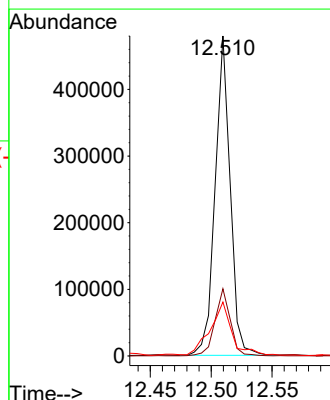
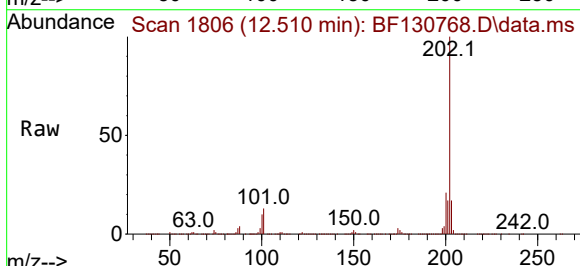
Tgt Ion:202 Resp: 414400

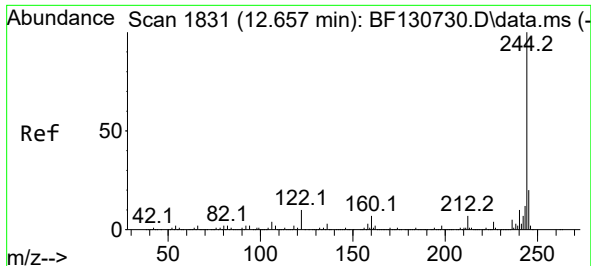
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

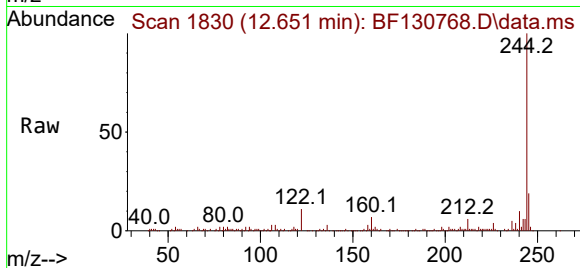
203 16.8 13.8 20.8



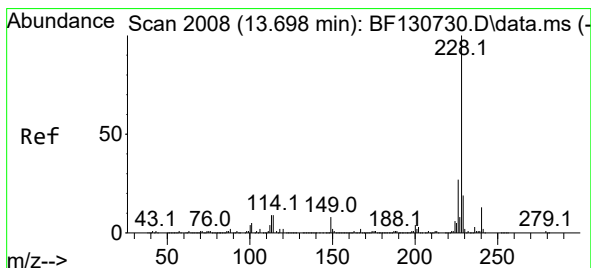
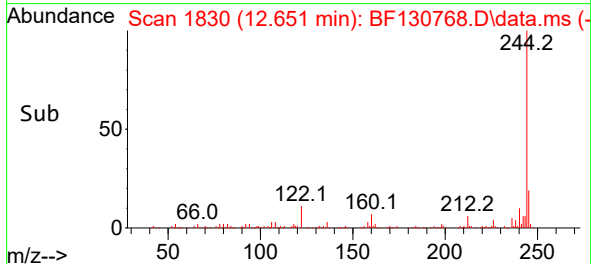
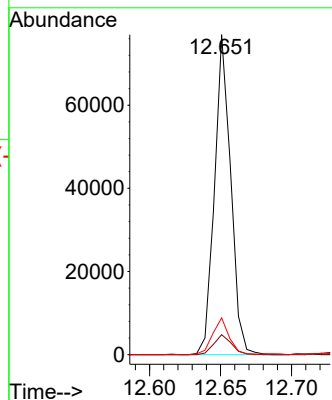


#79
 Terphenyl-d14
 Concen: 2.973 ng
 RT: 12.651 min Scan# 1830
 Delta R.T. -0.006 min
 Lab File: BF130768.D
 Acq: 25 Oct 2022 13:51

Instrument :
 BNA_F
 ClientSampleId :

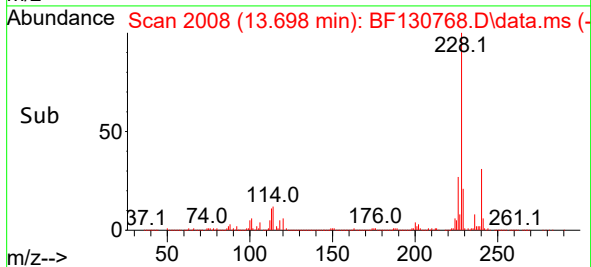
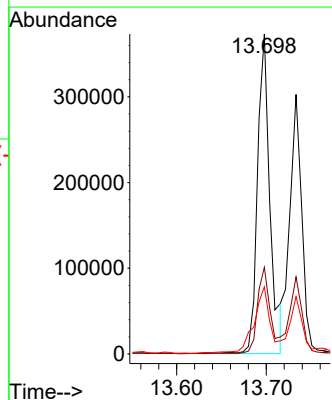
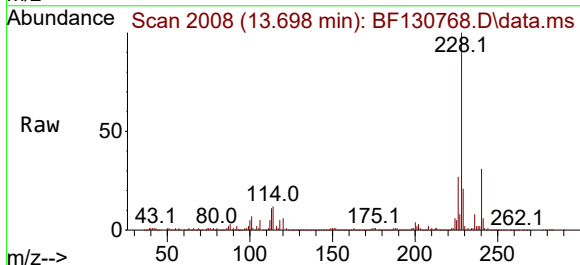


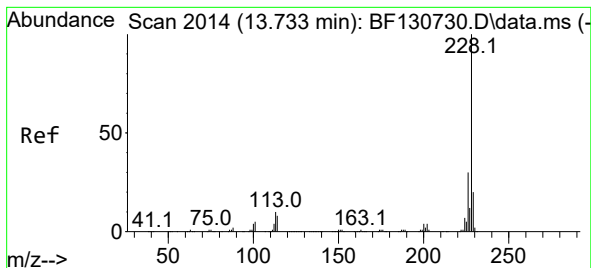
Tgt Ion:244 Resp: 61226
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 11.5 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 15.426 ng
 RT: 13.698 min Scan# 2008
 Delta R.T. -0.000 min
 Lab File: BF130768.D
 Acq: 25 Oct 2022 13:51

Tgt Ion:228 Resp: 357662
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.8 32.8
 229 20.9 15.4 23.2





#83

Chrysene

Concen: 12.480 ng

RT: 13.733 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :

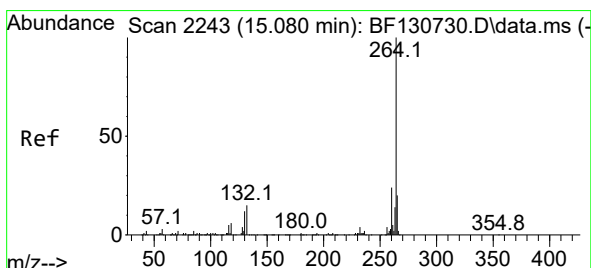
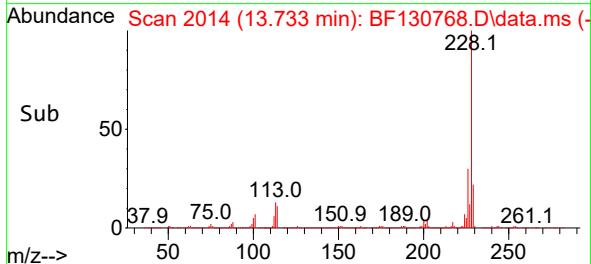
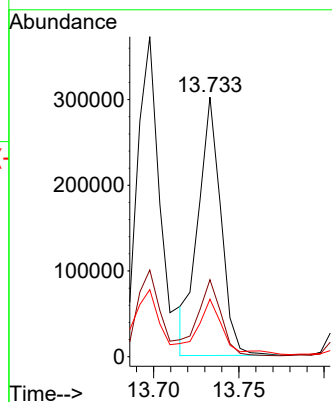
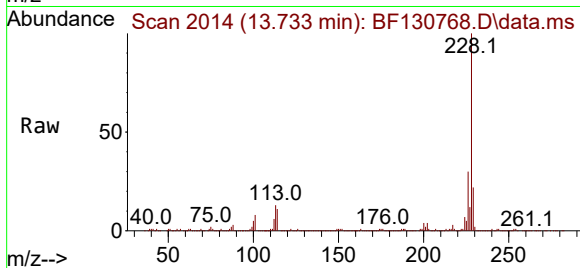
Tgt Ion:228 Resp: 280355

Ion Ratio Lower Upper

228 100

226 29.7 23.6 35.4

229 22.2 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.086 min Scan# 2244

Delta R.T. 0.006 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

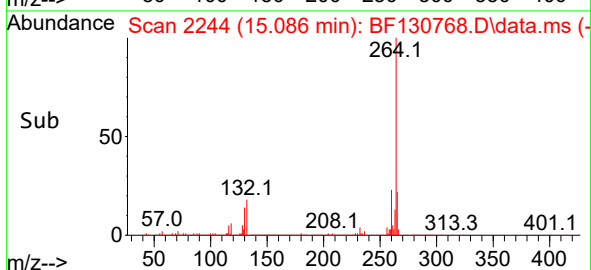
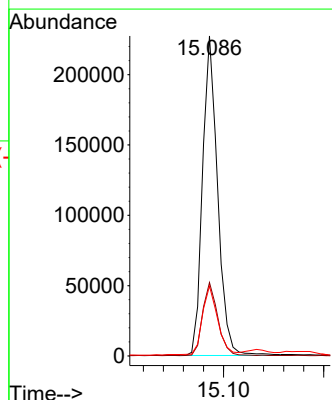
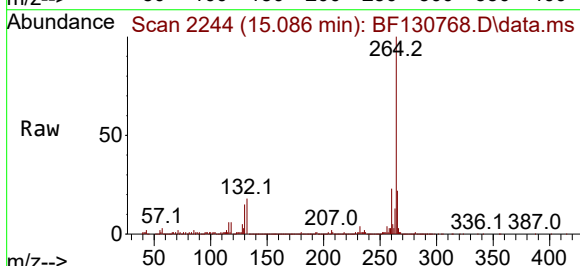
Tgt Ion:264 Resp: 238112

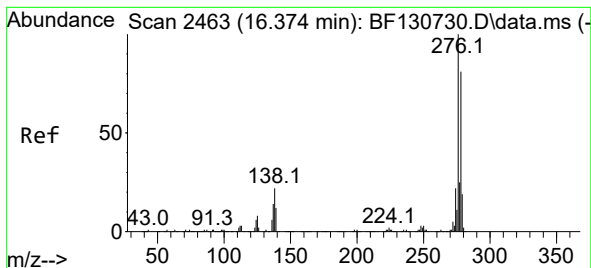
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.9 16.2 24.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.130 ng

RT: 16.392 min Scan# 2466

Delta R.T. 0.018 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :

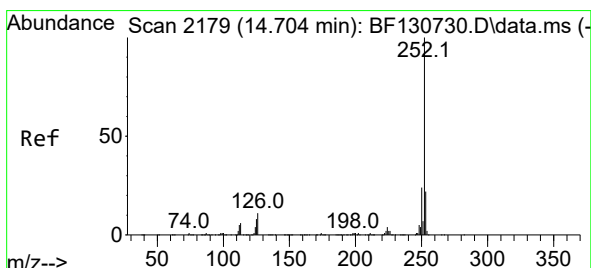
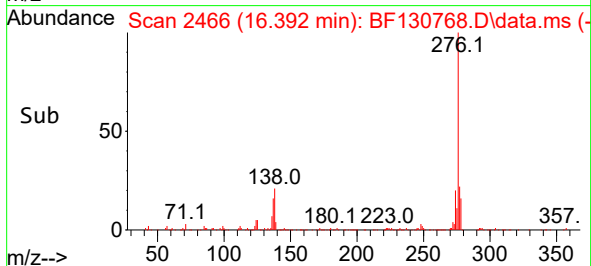
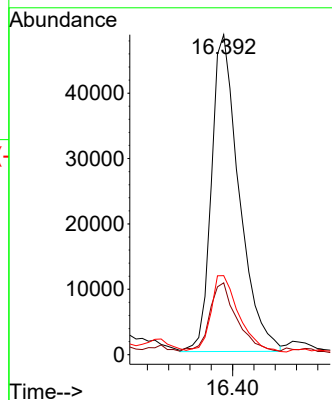
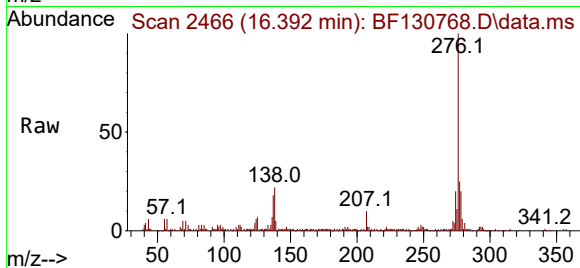
Tgt Ion:276 Resp: 87609

Ion Ratio Lower Upper

276 100

138 20.8 17.2 25.8

277 24.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 23.007 ng

RT: 14.709 min Scan# 2180

Delta R.T. 0.006 min

Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

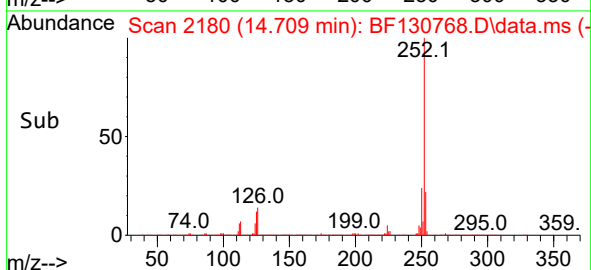
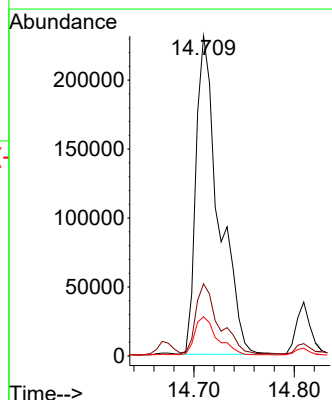
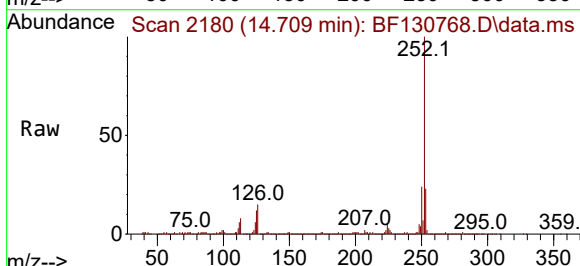
Tgt Ion:252 Resp: 364765

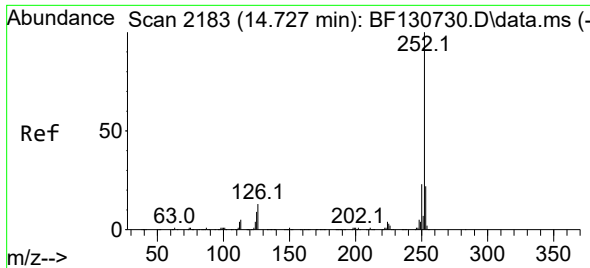
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

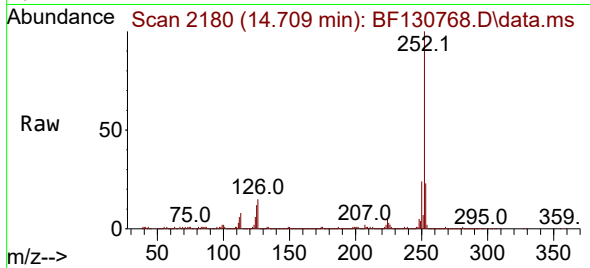
125 12.2 6.4 9.6#



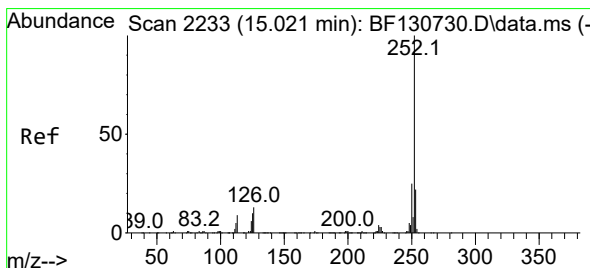
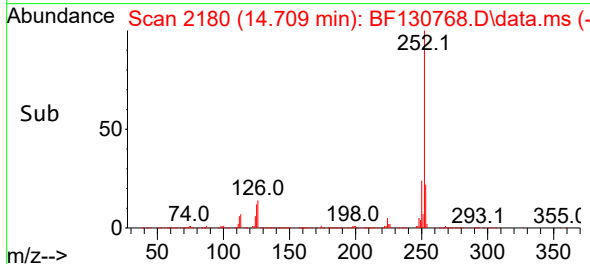
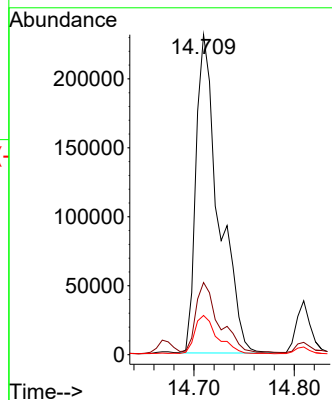


#89
Benzo(k)fluoranthene
Concen: 22.901 ng
RT: 14.709 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Instrument :
BNA_F
ClientSampleId :

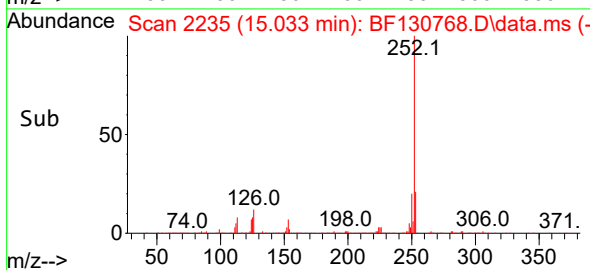
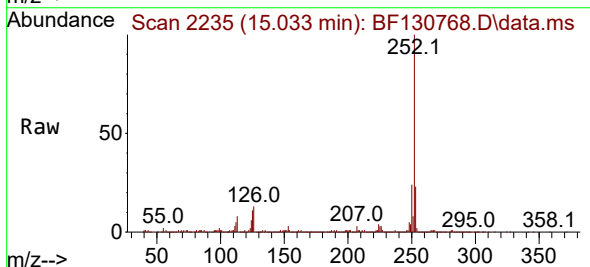
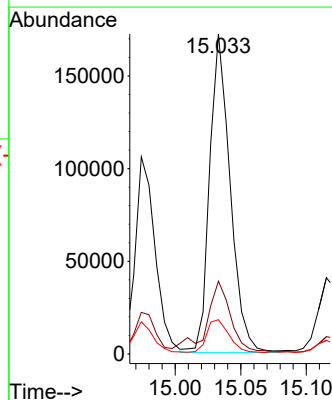


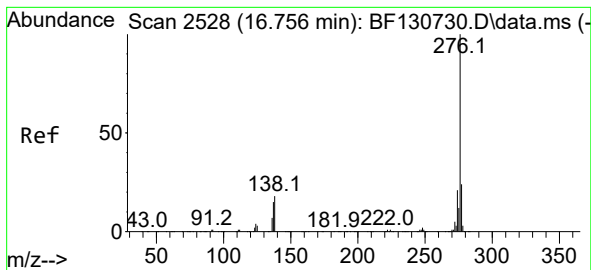
Tgt Ion:252 Resp: 364765
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 12.2 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 14.721 ng
RT: 15.033 min Scan# 2235
Delta R.T. 0.012 min
Lab File: BF130768.D
Acq: 25 Oct 2022 13:51

Tgt Ion:252 Resp: 187455
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 10.7 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 4.948 ng

RT: 16.780 min Scan# 21

Delta R.T. 0.023 min

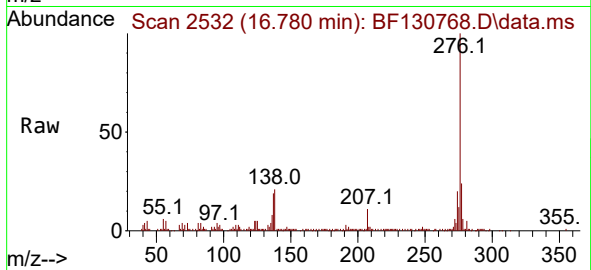
Lab File: BF130768.D

Acq: 25 Oct 2022 13:51

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 276 Resp: 70022

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 21.3 14.2 21.2#

