

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135216.D
 Acq On : 13 Sep 2023 10:18
 Operator : CG\JU
 Sample : 04189-03DL3 1000X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07(14-15)DL3

Quant Time: Sep 13 12:18:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

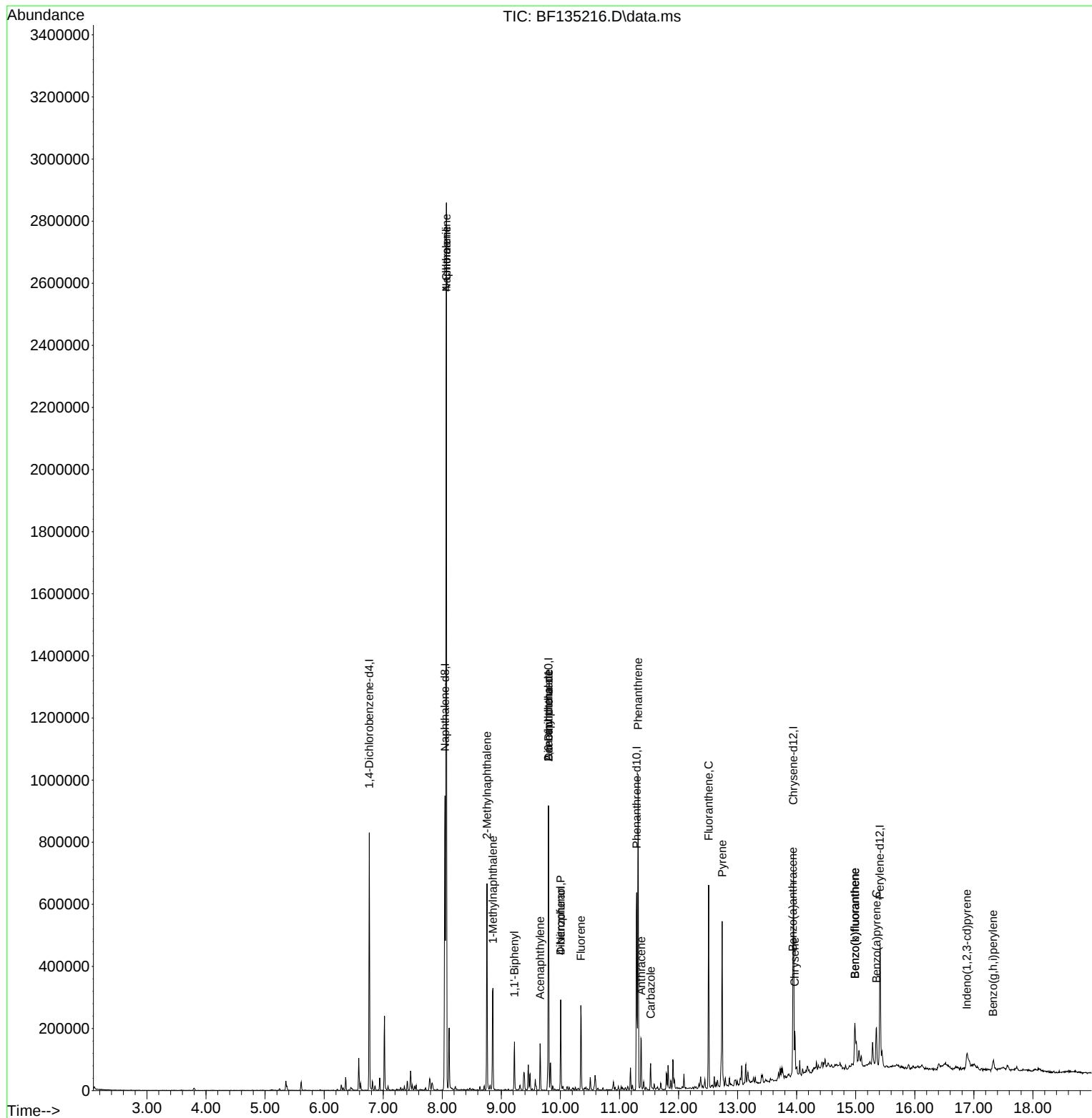
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	109284	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	413968	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	164392	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	236639	20.000	ng	0.00
76) Chrysene-d12	13.945	240	202873	20.000	ng	0.00
86) Perylene-d12	15.410	264	193687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	316	0.047	ng	0.02
7) Phenol-d6	6.410	99	669	0.078	ng	0.00
23) Nitrobenzene-d5	7.328	82	367	0.048	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	119	0.073	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1462	0.134	ng	-0.01
79) Terphenyl-d14	12.886	244	1546	0.118	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.069	128	1159921	57.669	ng	100
33) 4-Chloroaniline	8.069	127	155202	17.587	ng	# 34
37) 2-Methylnaphthalene	8.757	142	156471	11.573	ng	97
38) 1-Methylnaphthalene	8.857	142	86239	6.813	ng	97
46) 1,1'-Biphenyl	9.222	154	47130	3.731	ng	98
49) Acenaphthylene	9.657	152	50900	3.341	ng	99
50) Dimethylphthalate	9.798	163	32005	2.880	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	22764	9.349	ng	# 17
55) Dibenzofuran	10.004	168	101839	7.416	ng	99
56) 4-Nitrophenol	10.004	139	36589	20.143	ng	# 4
58) Fluorene	10.345	166	76758	7.271	ng	99
71) Phenanthrene	11.316	178	348495	31.138	ng	100
72) Anthracene	11.369	178	69327	6.026	ng	98
73) Carbazole	11.528	167	29984	2.863	ng	97
75) Fluoranthene	12.510	202	242624	20.805	ng	97
78) Pyrene	12.739	202	203824	10.553	ng	98
81) Benzo(a)anthracene	13.933	228	82742	6.316	ng	97
83) Chrysene	13.969	228	55025	4.225	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	28083	2.211	ng	94
88) Benzo(b)fluoranthene	14.986	252	97861	9.333	ng	# 95
89) Benzo(k)fluoranthene	14.986	252	97861	9.449	ng	# 95
90) Benzo(a)pyrene	15.351	252	57375	5.738	ng	98
92) Benzo(g,h,i)perylene	17.327	276	25643	2.363	ng	95

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

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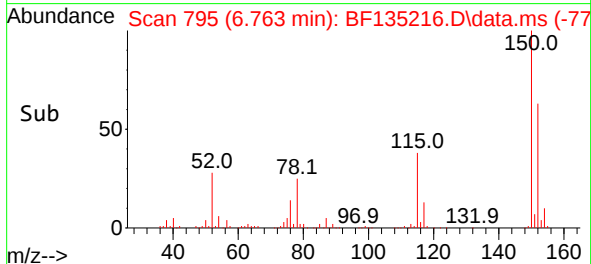
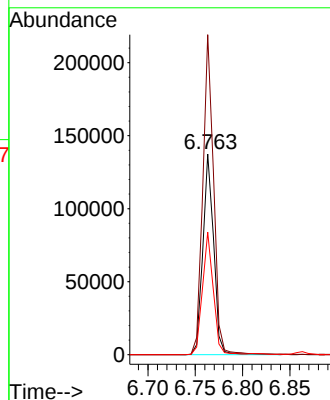
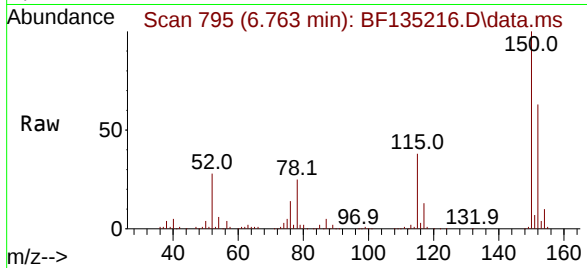




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135216.D
 Acq: 13 Sep 2023 10:18

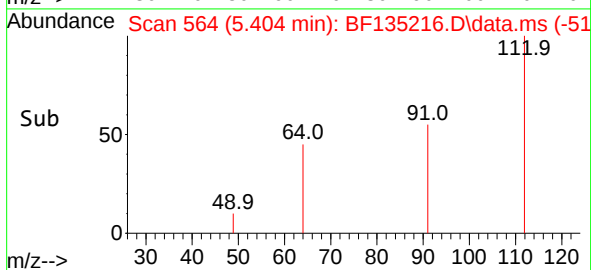
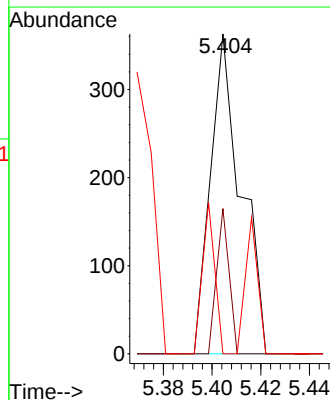
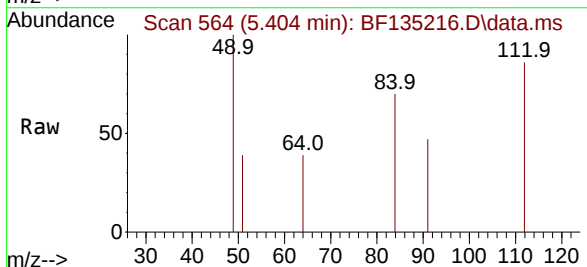
Instrument :
 BNA_F
 ClientSampleId :
 SB-07(14-15)DL3

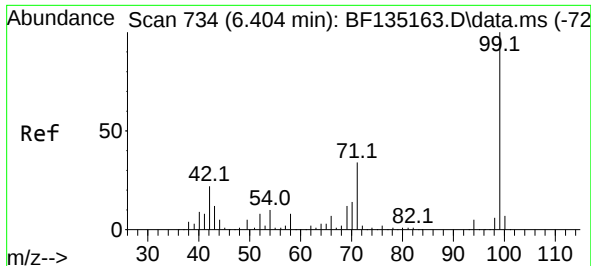
Tgt Ion:152 Resp: 109284
 Ion Ratio Lower Upper
 152 100
 150 159.5 127.8 191.6
 115 61.1 49.8 74.8



#5
 2-Fluorophenol
 Concen: 0.047 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF135216.D
 Acq: 13 Sep 2023 10:18

Tgt Ion:112 Resp: 316
 Ion Ratio Lower Upper
 112 100
 64 45.5 55.9 83.9#
 63 0.0 29.0 43.6#

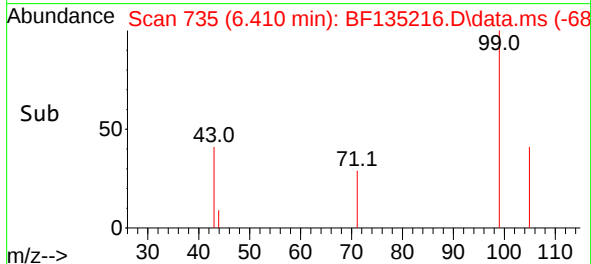
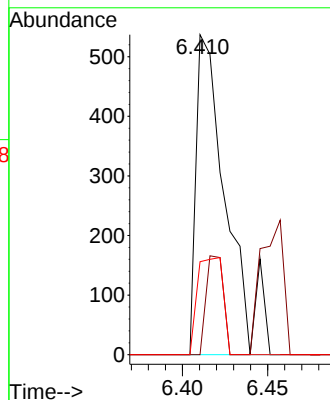
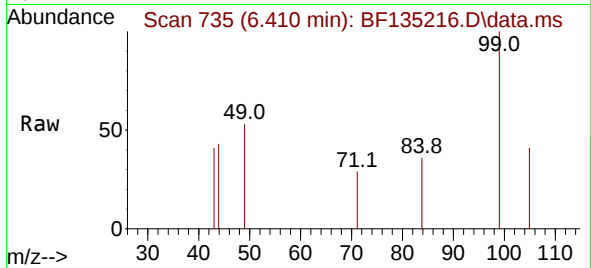




#7
Phenol-d6
Concen: 0.078 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

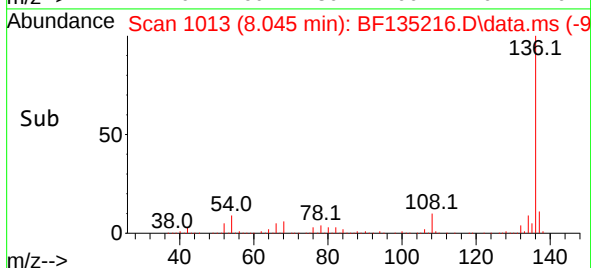
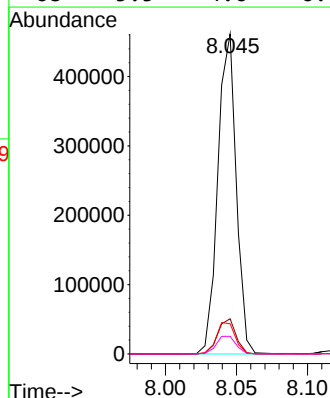
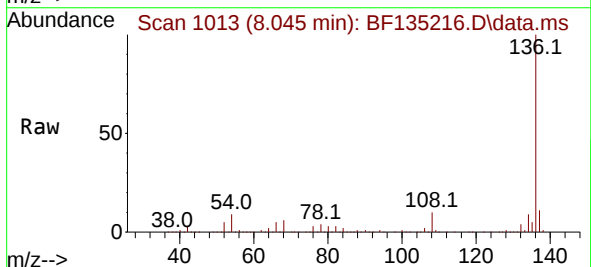
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

Tgt Ion: 99 Resp: 669
Ion Ratio Lower Upper
99 100
42 0.0 17.9 26.9#
71 29.1 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion: 136 Resp: 413968
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.5 7.7 11.5
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 0.048 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135216.D

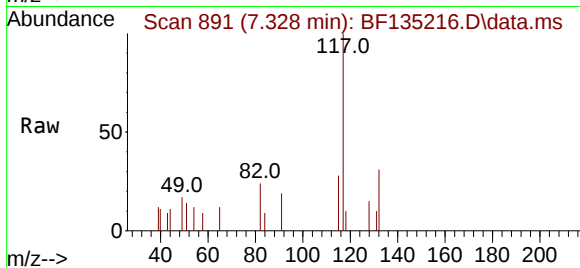
Acq: 13 Sep 2023 10:18

Instrument :

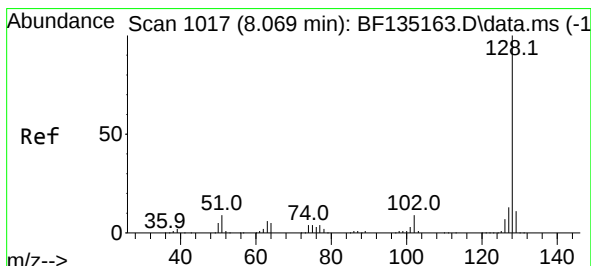
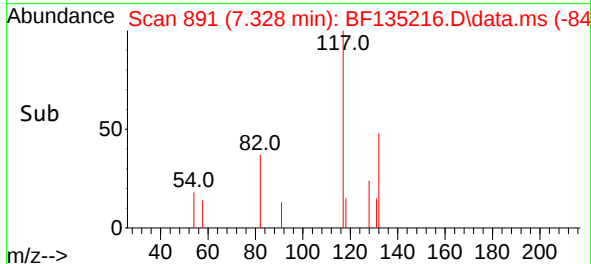
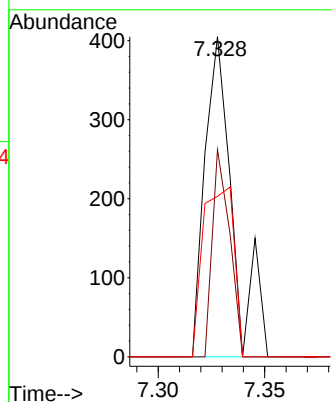
BNA_F

ClientSampleId :

SB-07(14-15)DL3



Tgt Ion: 82	Resp: 367
Ion Ratio	Lower Upper
82	100
128	64.7 35.8 53.6#
54	50.1 50.6 76.0#



#31

Naphthalene

Concen: 57.669 ng

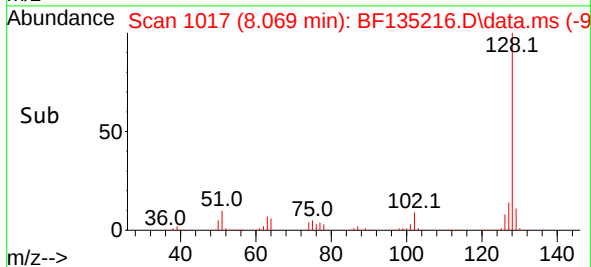
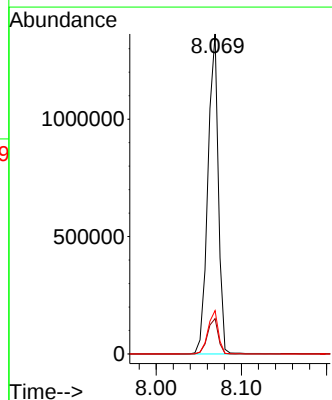
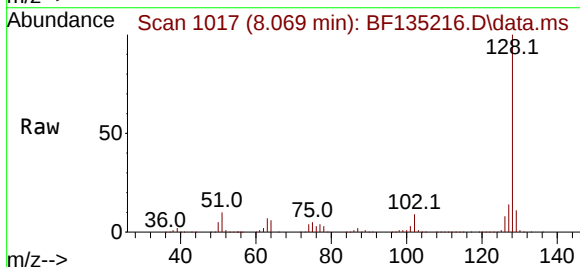
RT: 8.069 min Scan# 1017

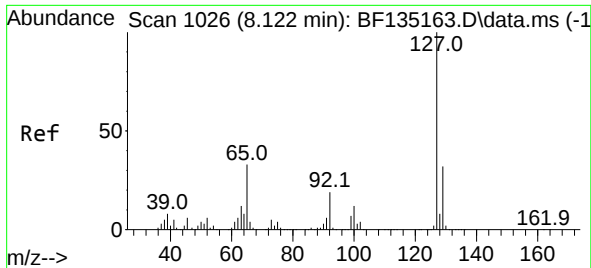
Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

Tgt Ion: 128	Resp: 1159921
Ion Ratio	Lower Upper
128	100
129	11.0 8.7 13.1
127	13.6 10.7 16.1

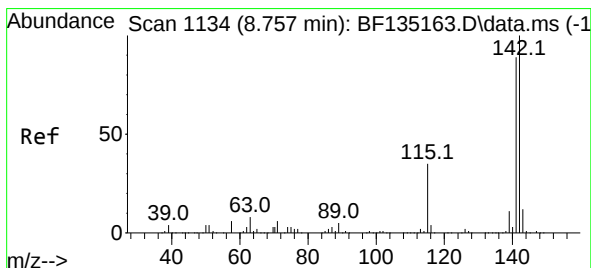
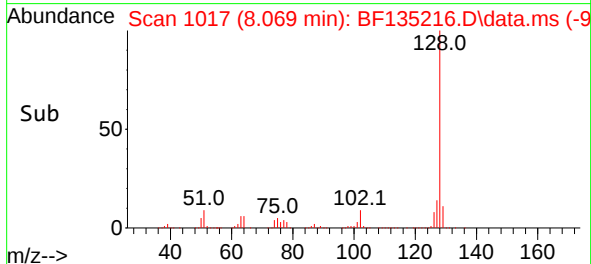
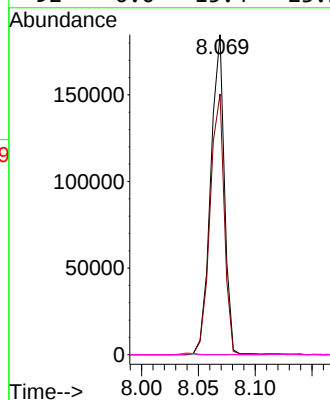
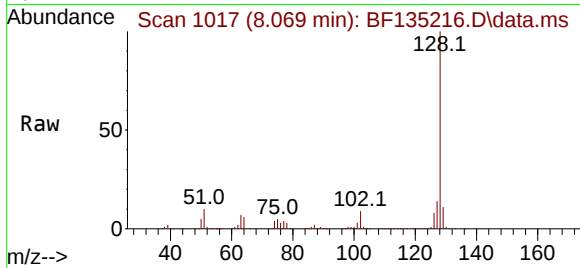




#33
4-Chloroaniline
Concen: 17.587 ng
RT: 8.069 min Scan# 1026
Delta R.T. -0.053 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

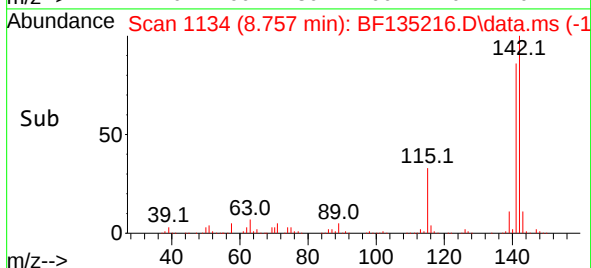
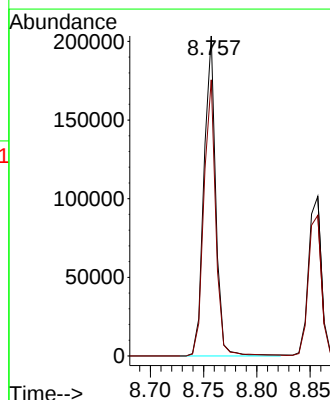
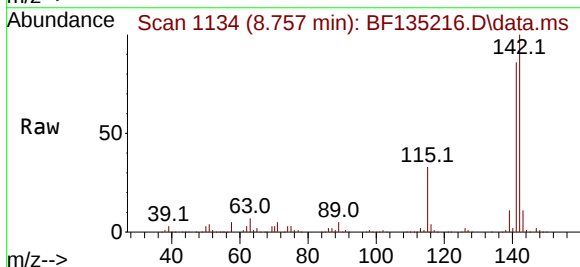
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

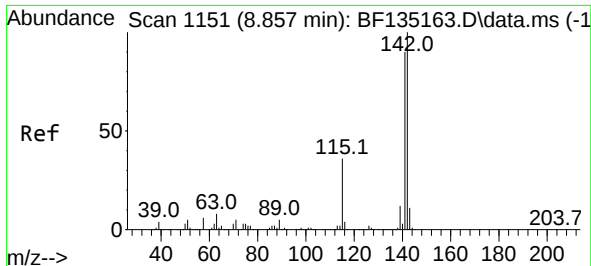
Tgt Ion:127	Resp: 155202
Ion Ratio	Lower Upper
127 100	
129 81.4	25.8 38.8#
65 0.0	26.6 39.8#
92 0.0	15.4 23.2#



#37
2-Methylnaphthalene
Concen: 11.573 ng
RT: 8.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:142	Resp: 156471
Ion Ratio	Lower Upper
142 100	
141 86.3	71.0 106.6





#38

1-Methylnaphthalene

Concen: 6.813 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

Instrument :

BNA_F

ClientSampleId :

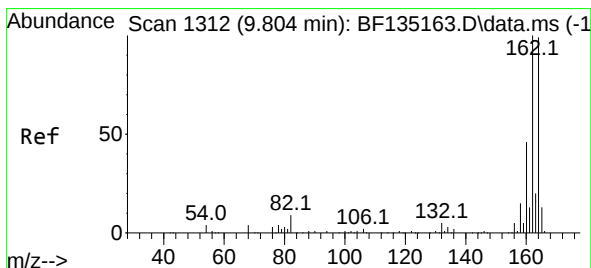
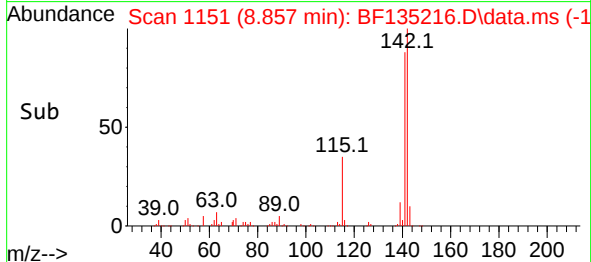
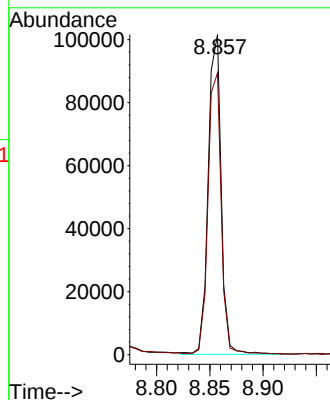
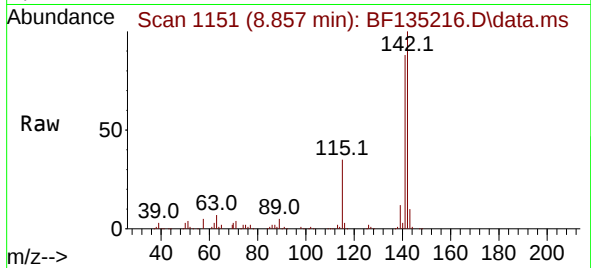
SB-07(14-15)DL3

Tgt Ion:142 Resp: 86239

Ion Ratio Lower Upper

142 100

141 88.1 72.4 108.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

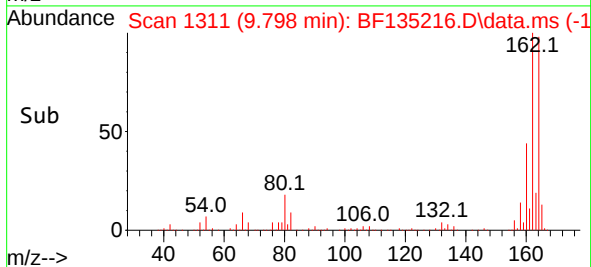
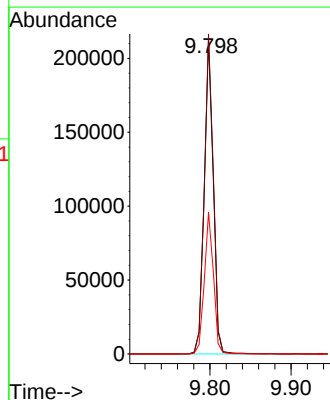
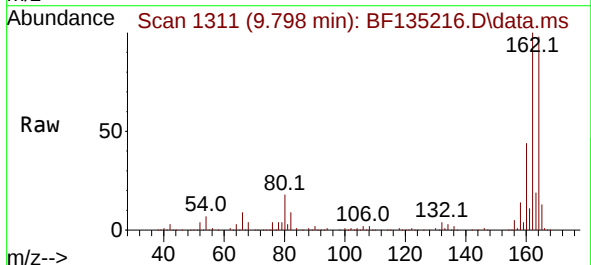
Tgt Ion:164 Resp: 164392

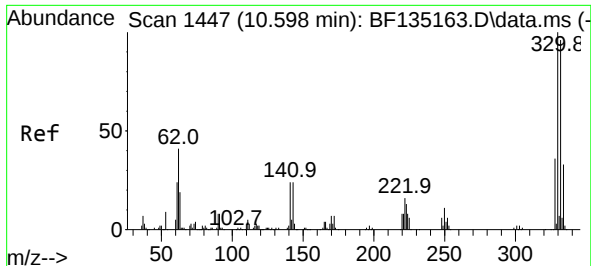
Ion Ratio Lower Upper

164 100

162 101.7 81.0 121.4

160 45.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 0.073 ng

RT: 10.592 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)DL3

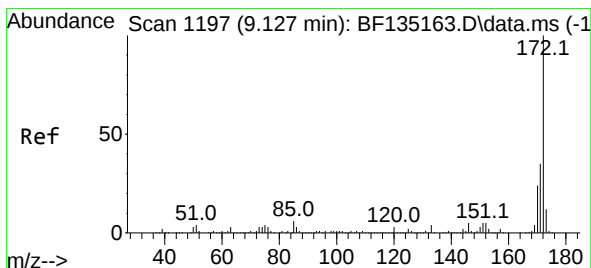
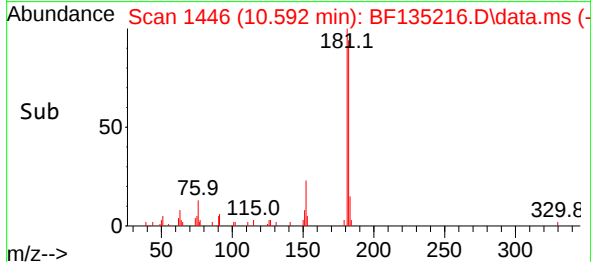
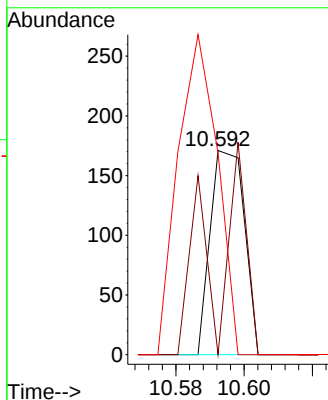
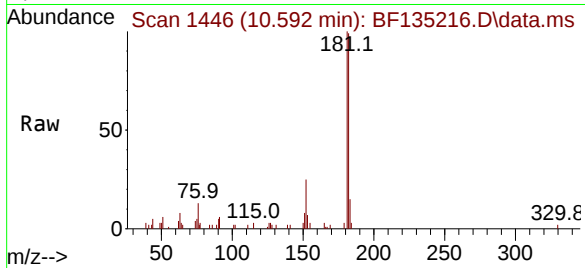
Tgt Ion:330 Resp: 119

Ion Ratio Lower Upper

330 100

332 44.5 77.3 115.9#

141 179.8 25.8 38.8#



#45

2-Fluorobiphenyl

Concen: 0.134 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.011 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

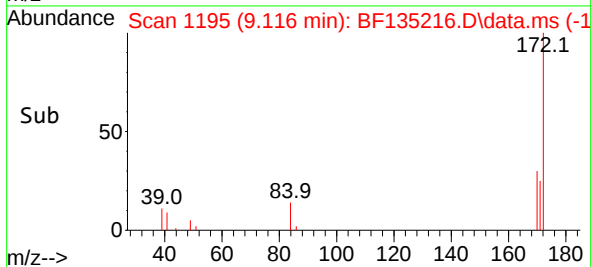
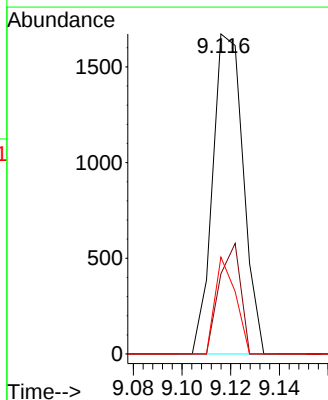
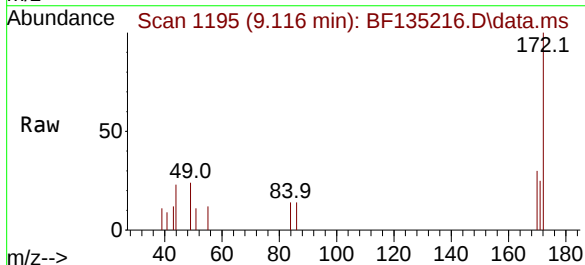
Tgt Ion:172 Resp: 1462

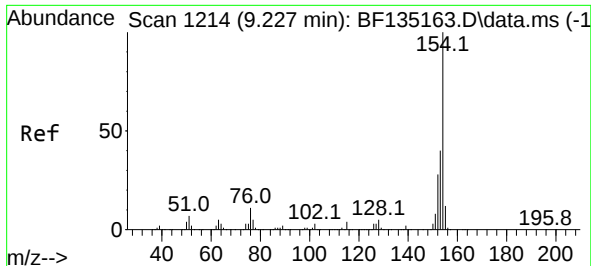
Ion Ratio Lower Upper

172 100

171 25.1 28.4 42.6#

170 30.3 19.0 28.4#

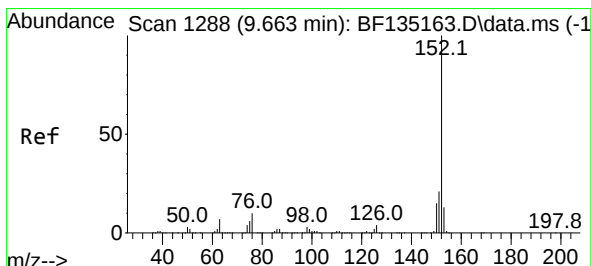
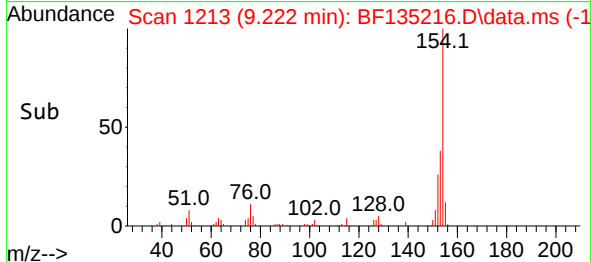
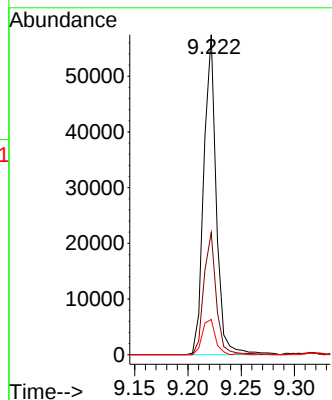
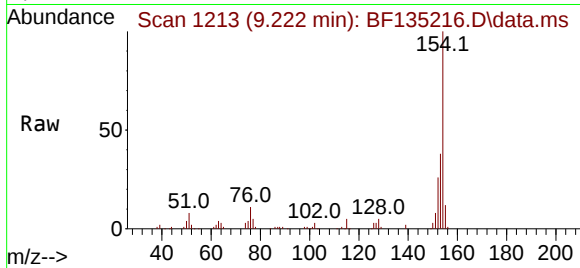




#46
1,1'-Biphenyl
Concen: 3.731 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

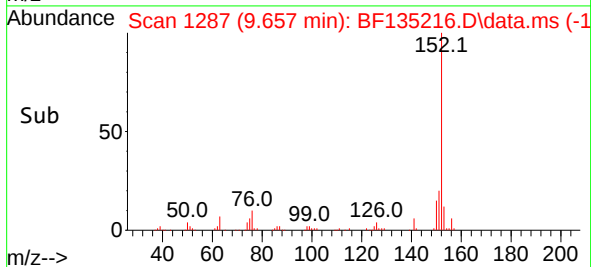
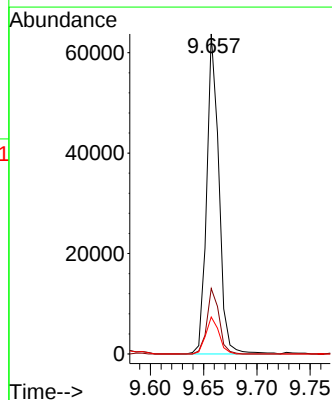
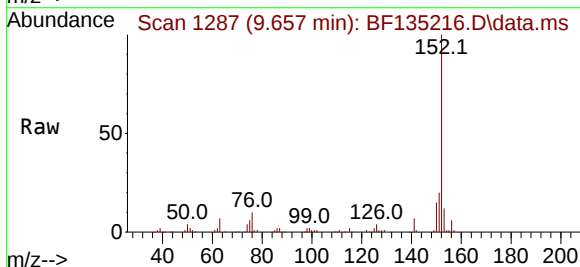
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

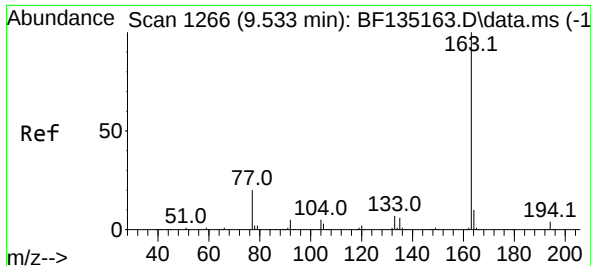
Tgt Ion:154 Resp: 47130
Ion Ratio Lower Upper
154 100
153 38.1 19.6 59.6
76 11.0 0.0 31.0



#49
Acenaphthylene
Concen: 3.341 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:152 Resp: 50900
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6
153 11.6 10.4 15.6

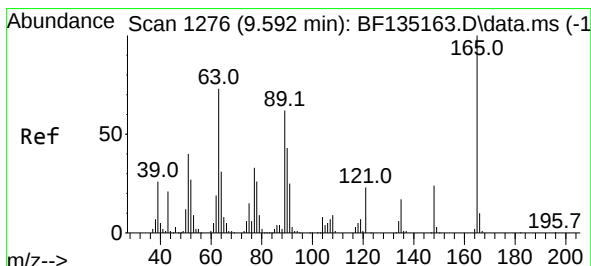
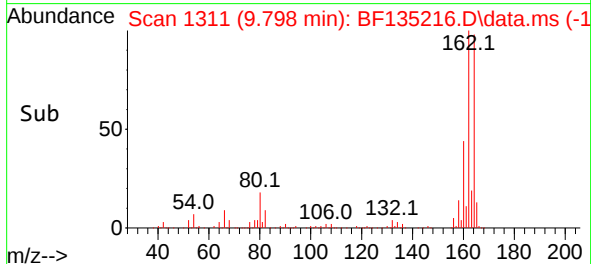
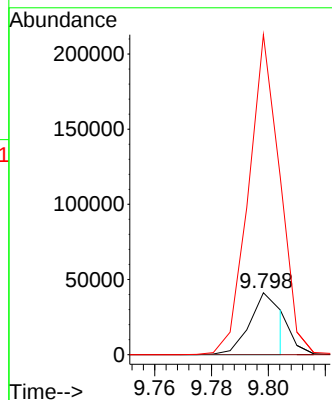
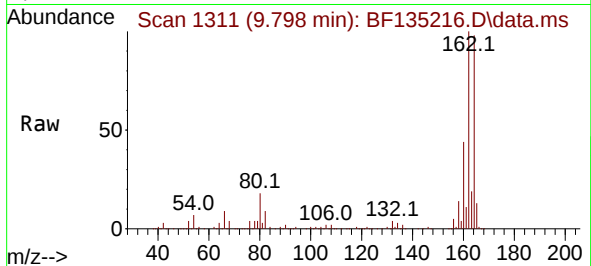




#50
Dimethylphthalate
Concen: 2.880 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

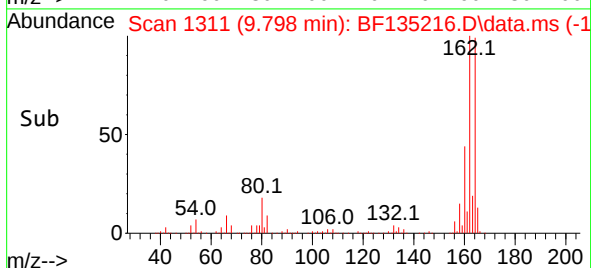
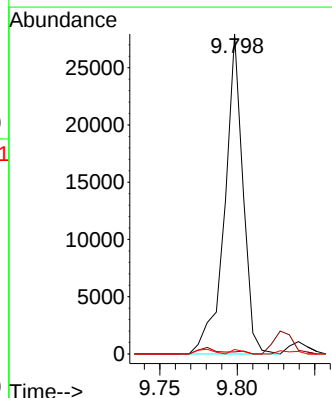
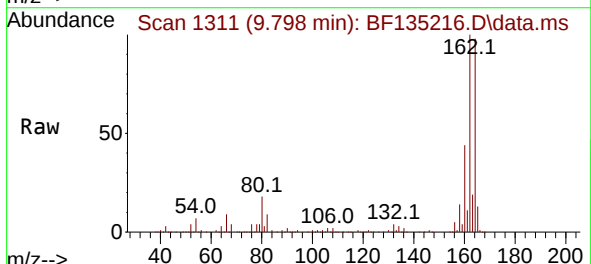
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

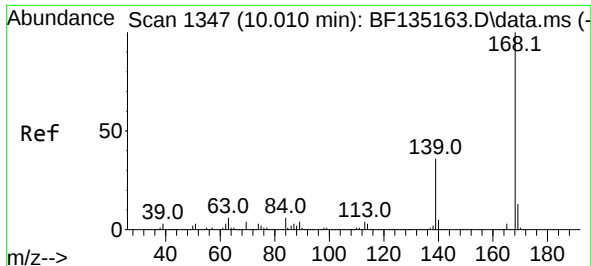
Tgt Ion:163 Resp: 32005
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 517.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.349 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:165 Resp: 22764
Ion Ratio Lower Upper
165 100
63 0.7 59.4 89.2#
89 1.4 49.8 74.8#

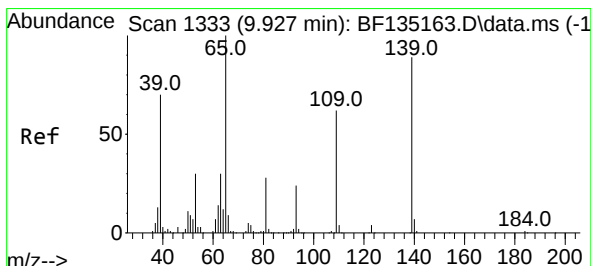
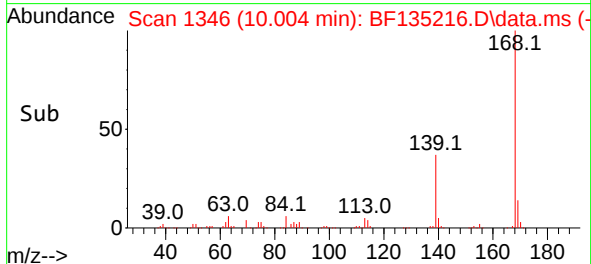
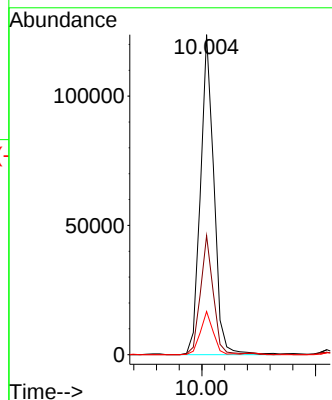
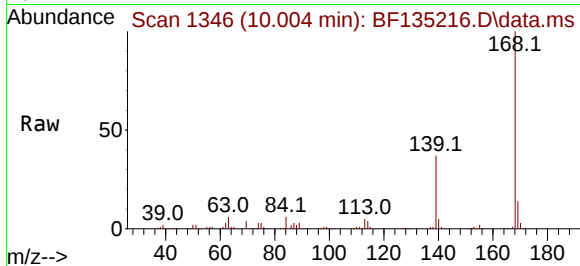




#55
Dibenzenofuran
Concen: 7.416 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

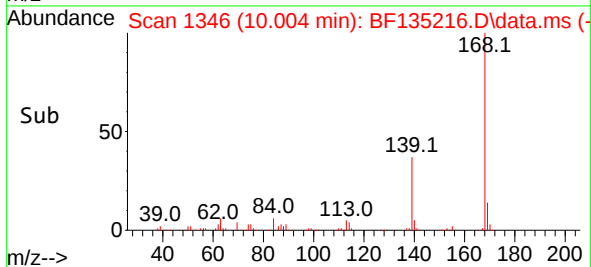
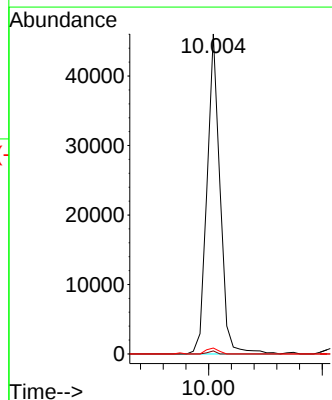
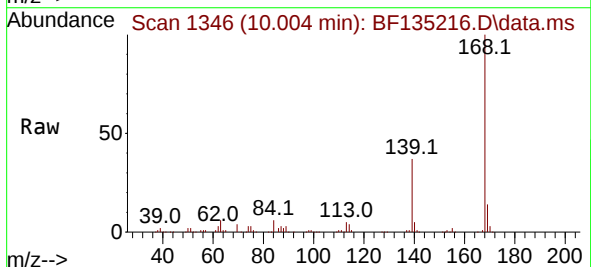
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

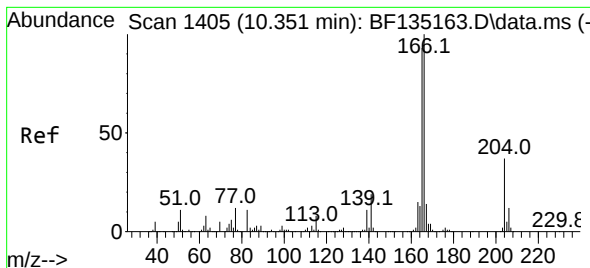
Tgt Ion:168 Resp: 101839
Ion Ratio Lower Upper
168 100
139 37.2 29.0 43.6
169 13.5 10.4 15.6



#56
4-Nitrophenol
Concen: 20.143 ng
RT: 10.004 min Scan# 1346
Delta R.T. 0.077 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:139 Resp: 36589
Ion Ratio Lower Upper
139 100
109 1.0 49.8 89.8#
65 1.8 92.7 132.7#





#58

Fluorene

Concen: 7.271 ng

RT: 10.345 min Scan# 1404

Delta R.T. -0.006 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)DL3

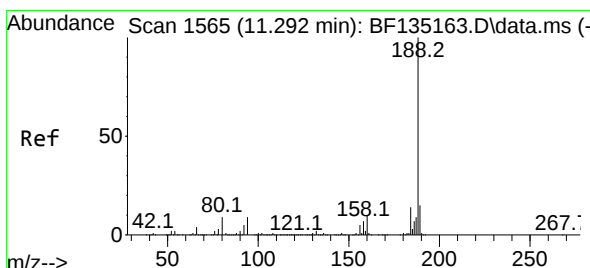
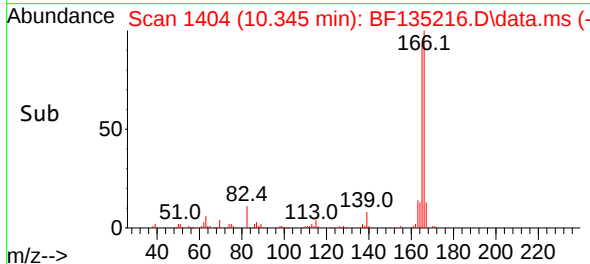
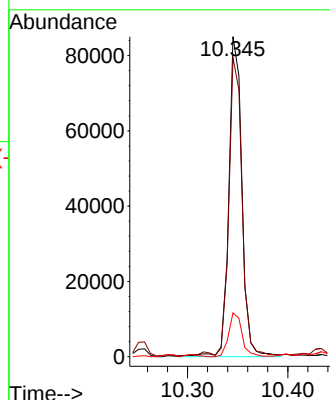
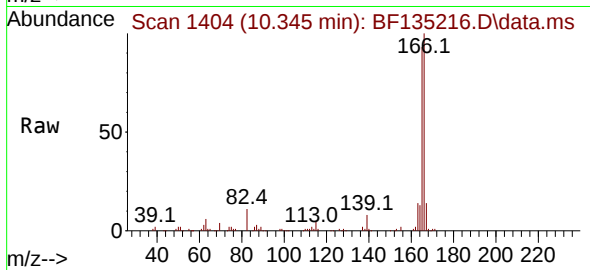
Tgt Ion:166 Resp: 76758

Ion Ratio Lower Upper

166 100

165 93.5 74.3 111.5

167 13.7 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

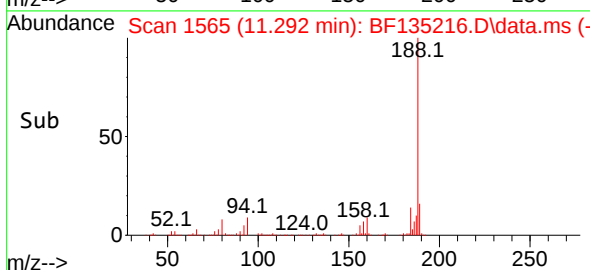
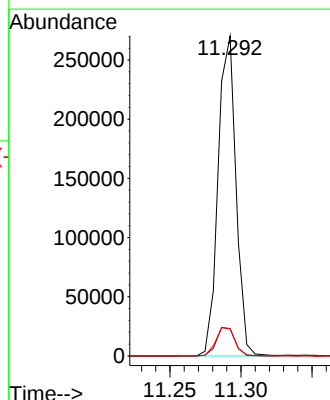
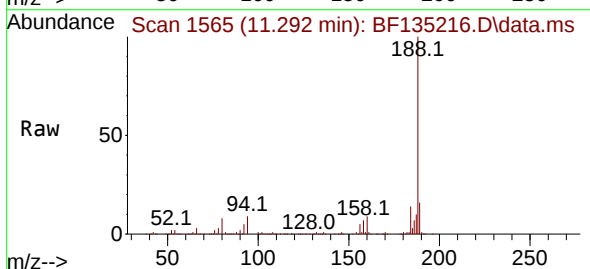
Tgt Ion:188 Resp: 236639

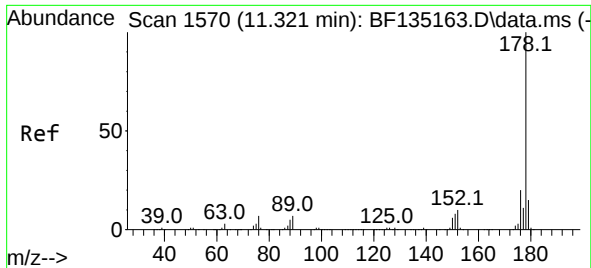
Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

80 8.4 7.5 11.3

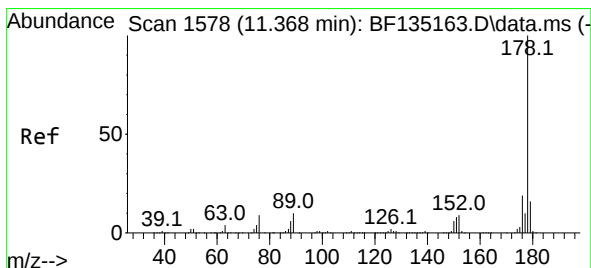
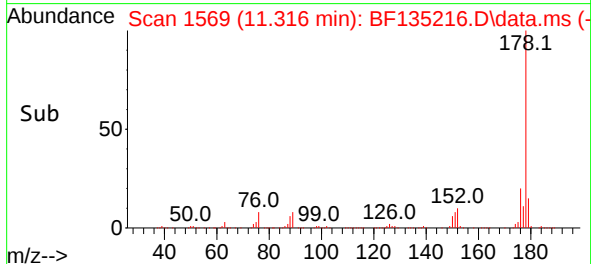
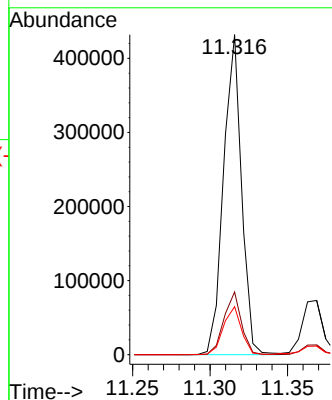
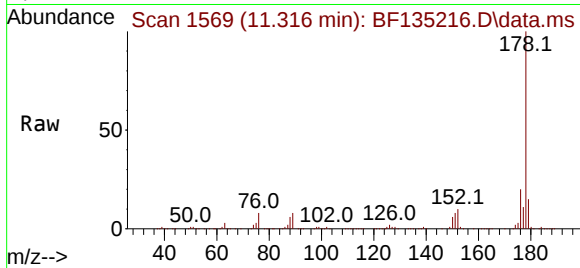




#71
Phenanthrene
Concen: 31.138 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

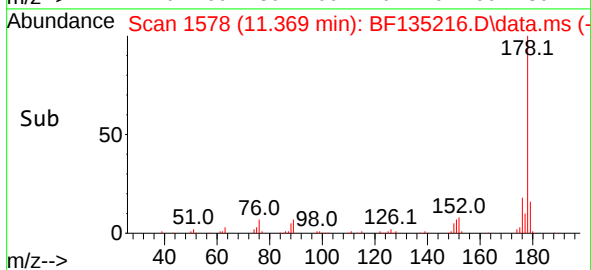
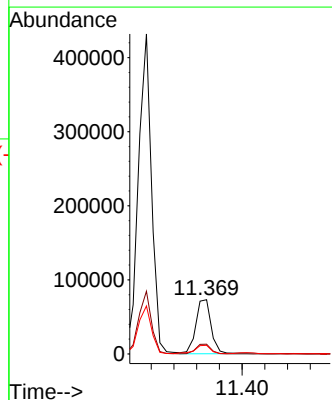
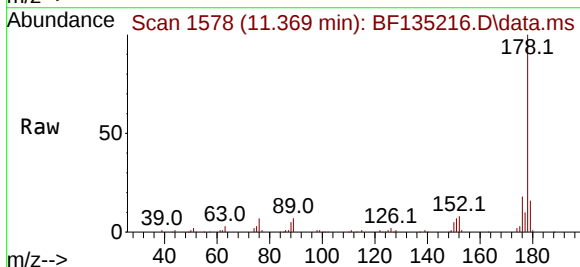
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

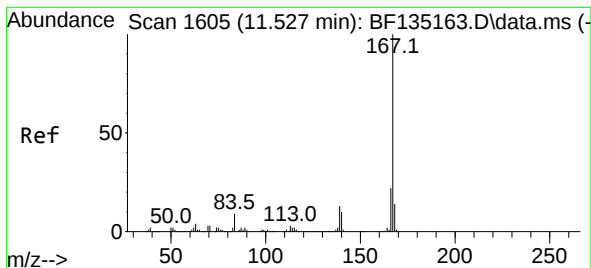
Tgt Ion:178 Resp: 348495
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.0 12.0 18.0



#72
Anthracene
Concen: 6.026 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:178 Resp: 69327
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 15.9 12.6 19.0





#73

Carbazole

Concen: 2.863 ng

RT: 11.528 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)DL3

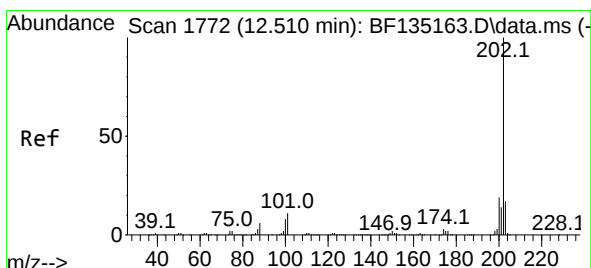
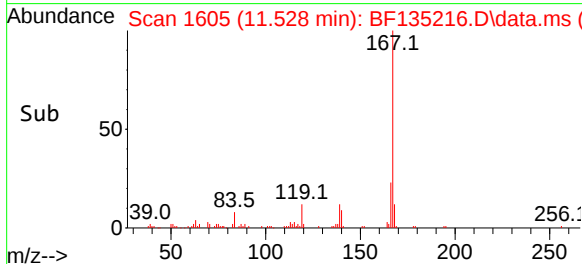
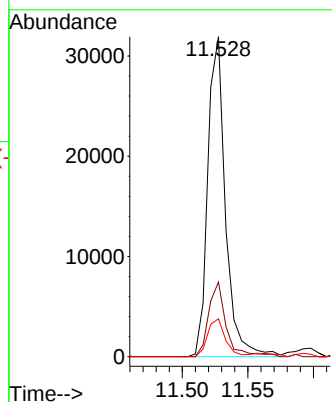
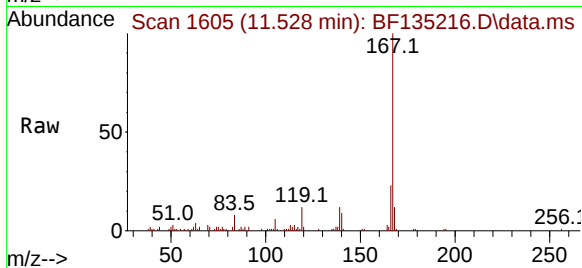
Tgt Ion:167 Resp: 29984

Ion Ratio Lower Upper

167 100

166 23.4 17.4 26.0

139 11.8 10.6 15.8



#75

Fluoranthene

Concen: 20.805 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

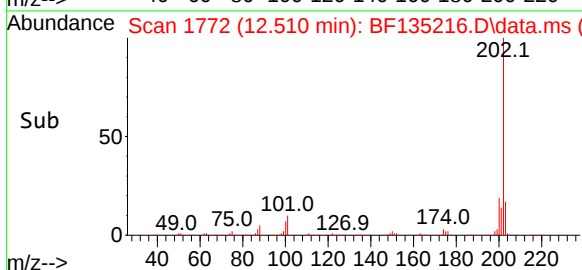
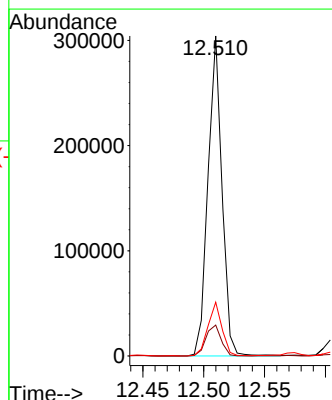
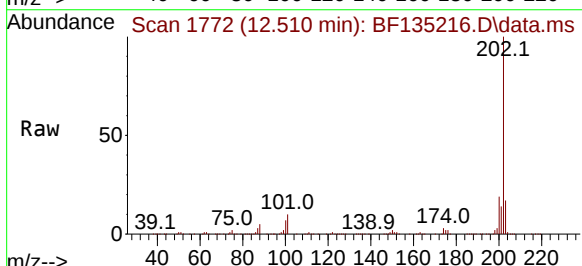
Tgt Ion:202 Resp: 242624

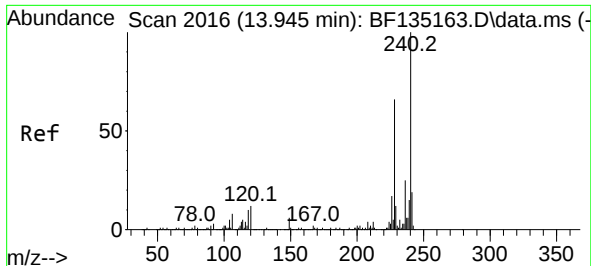
Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.3

203 16.8 0.0 37.4

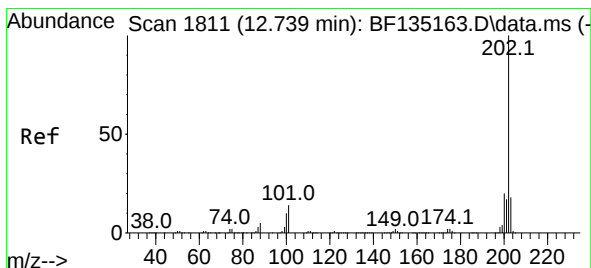
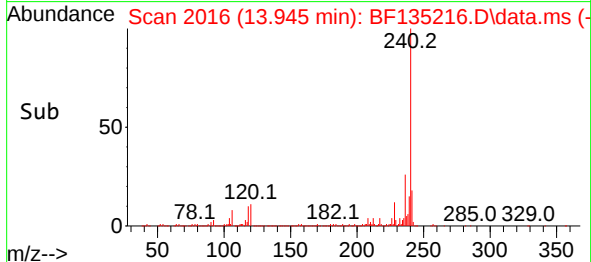
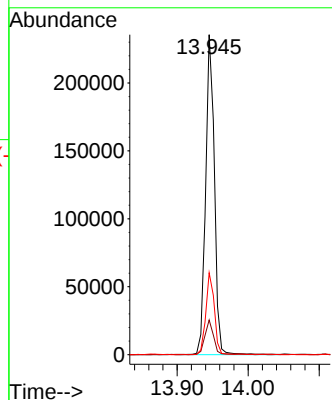
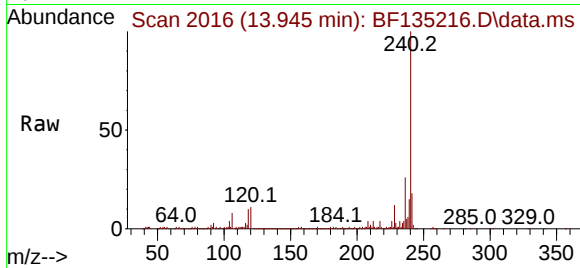




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

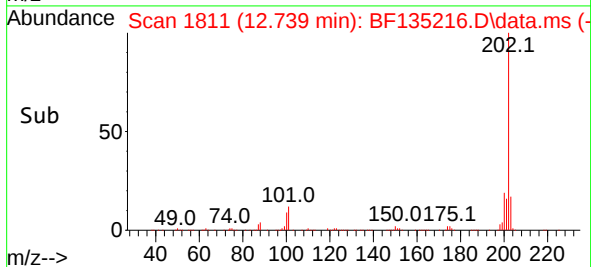
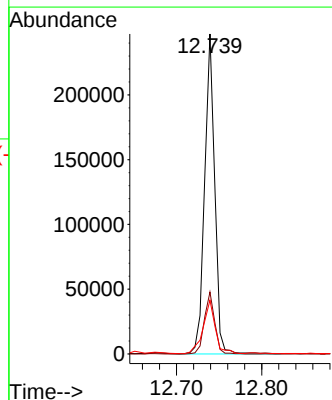
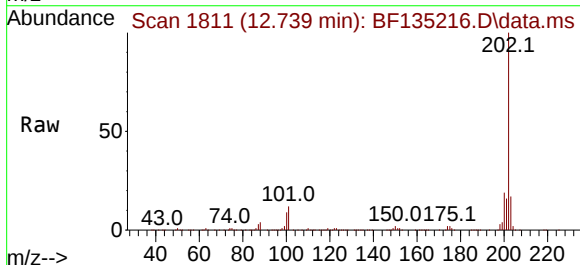
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

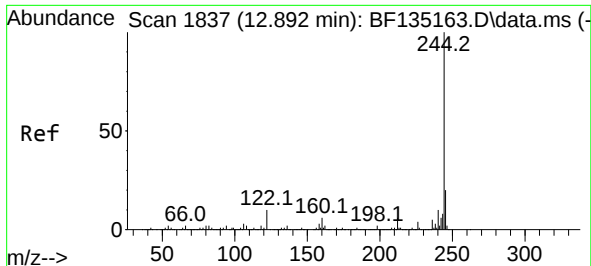
Tgt Ion:240 Resp: 202873
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 25.6 19.8 29.8



#78
Pyrene
Concen: 10.553 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:202 Resp: 203824
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 16.8 14.2 21.4

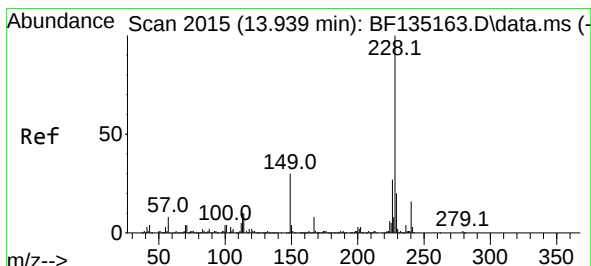
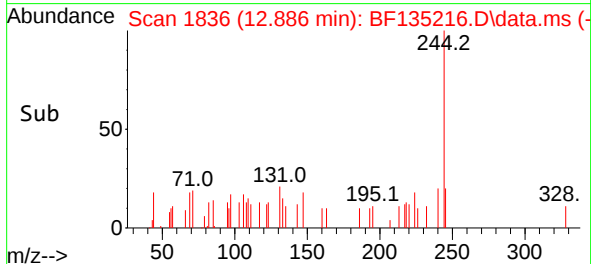
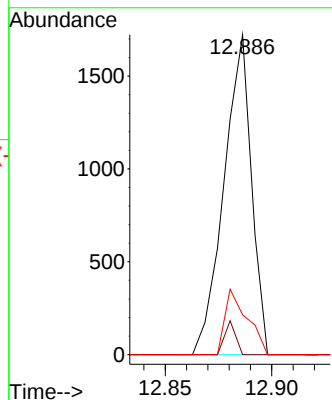
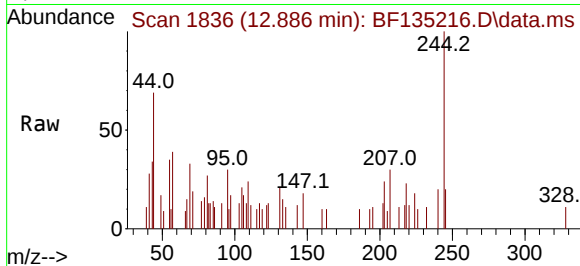




#79
 Terphenyl-d14
 Concen: 0.118 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135216.D
 Acq: 13 Sep 2023 10:18

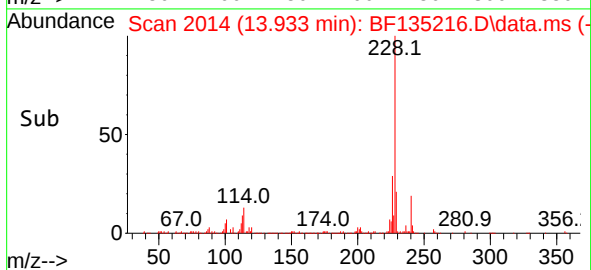
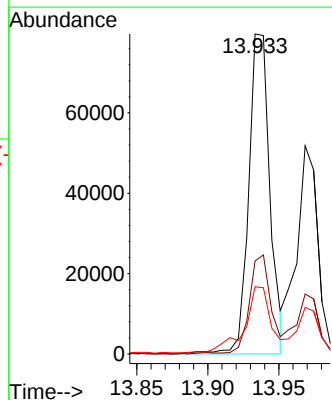
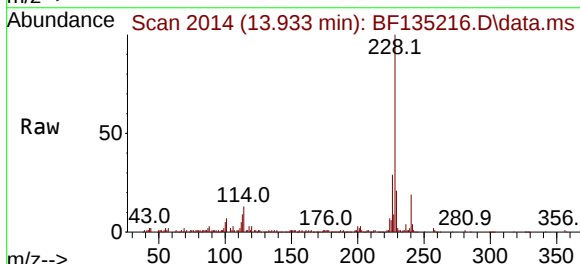
Instrument :
 BNA_F
 ClientSampleId :
 SB-07(14-15)DL3

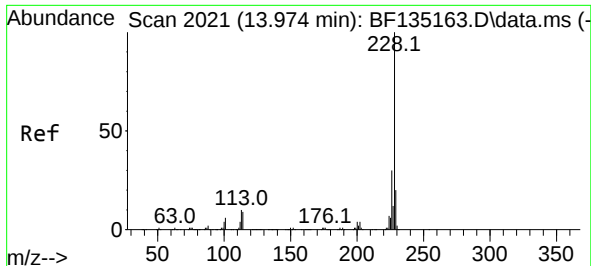
Tgt Ion:244 Resp: 1546
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.1 7.7#
 122 12.4 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 6.316 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135216.D
 Acq: 13 Sep 2023 10:18

Tgt Ion:228 Resp: 82742
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.7 32.5
 229 21.0 15.8 23.8

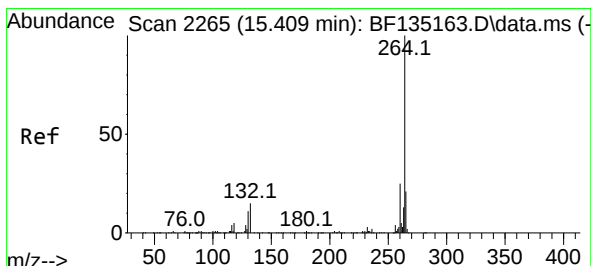
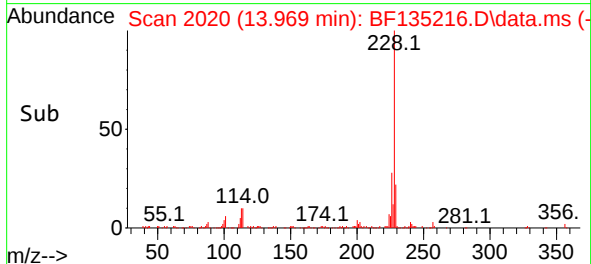
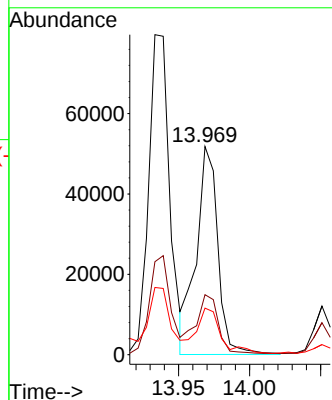
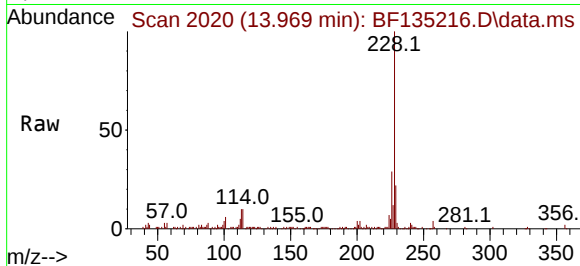




#83
Chrysene
Concen: 4.225 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

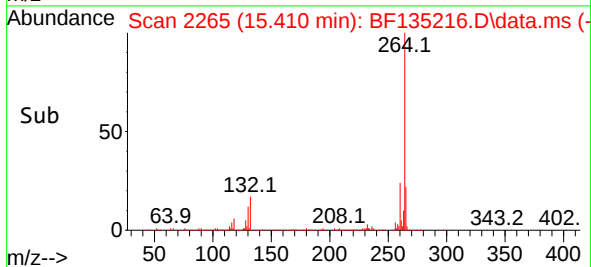
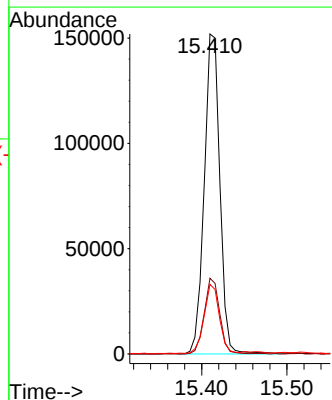
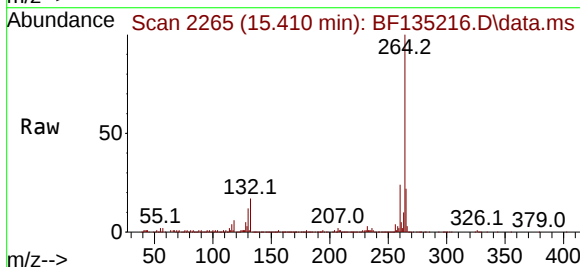
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

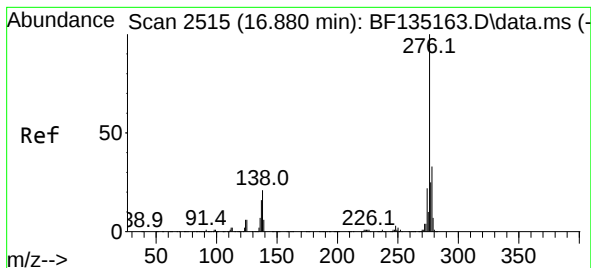
Tgt Ion:228 Resp: 55025
Ion Ratio Lower Upper
228 100
226 28.8 24.3 36.5
229 22.4 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

Tgt Ion:264 Resp: 193687
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.211 ng

RT: 16.880 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

Instrument :

BNA_F

ClientSampleId :

SB-07(14-15)DL3

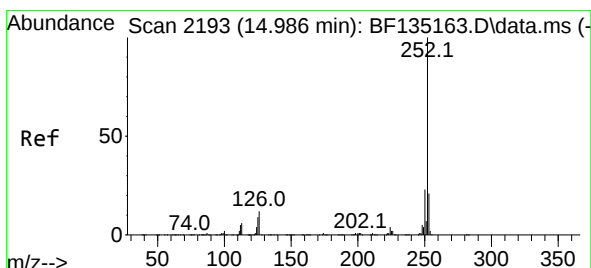
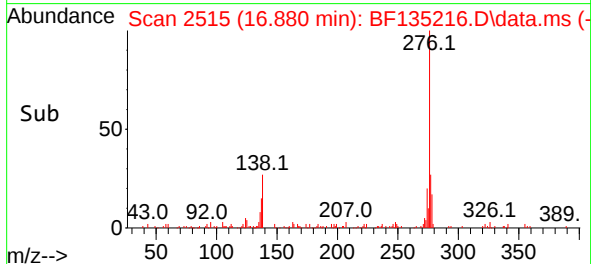
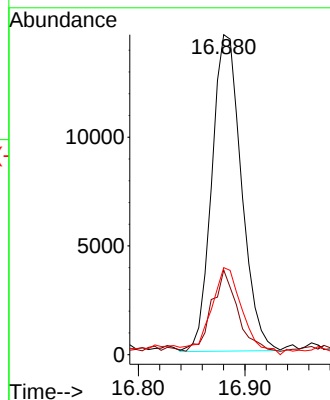
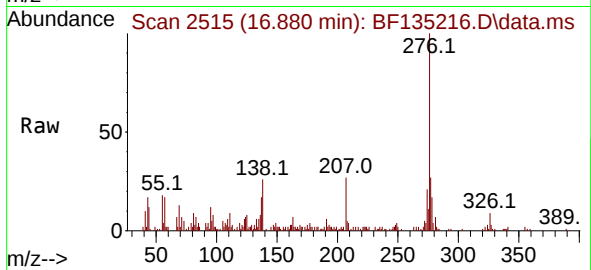
Tgt Ion:276 Resp: 28083

Ion Ratio Lower Upper

276 100

138 25.4 19.2 28.8

277 28.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 9.333 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135216.D

Acq: 13 Sep 2023 10:18

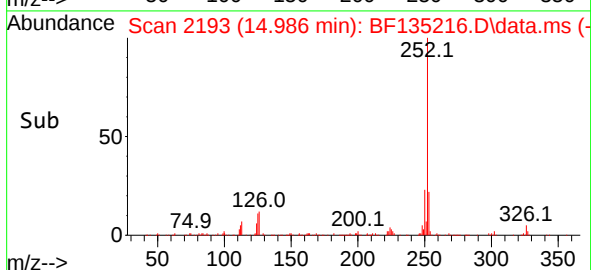
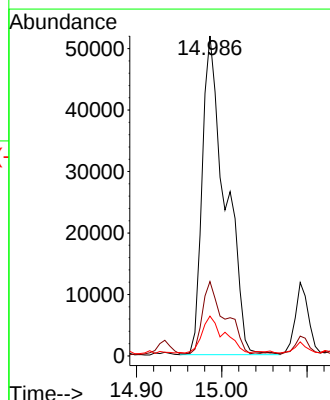
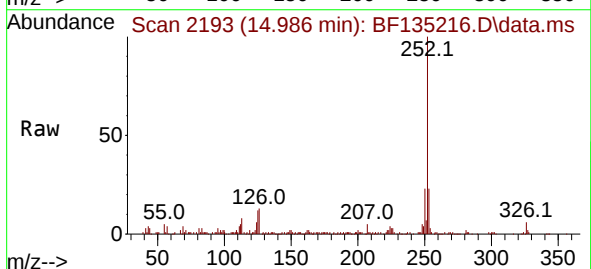
Tgt Ion:252 Resp: 97861

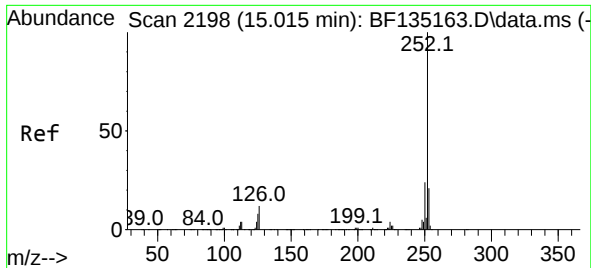
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 12.5 7.1 10.7#

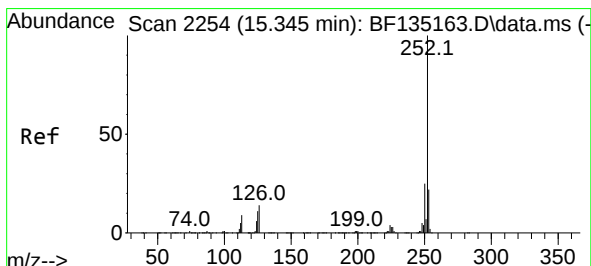
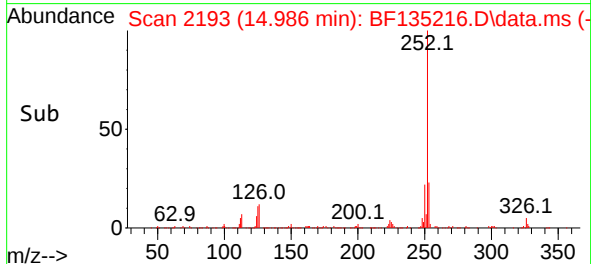
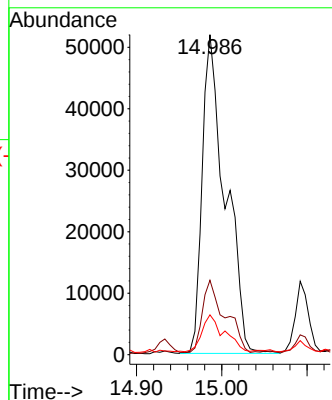
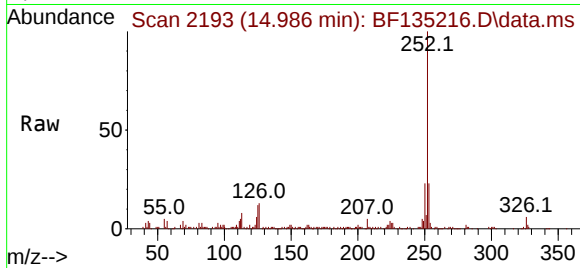




#89
Benzo(k)fluoranthene
Concen: 9.449 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

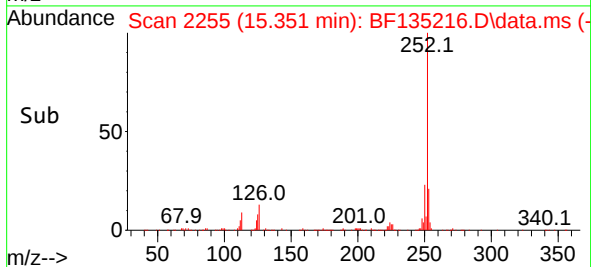
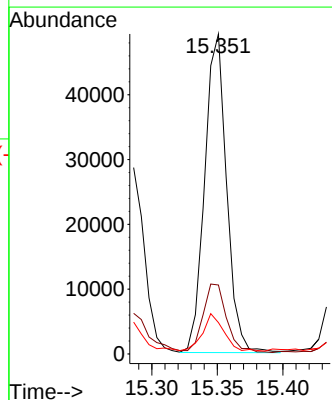
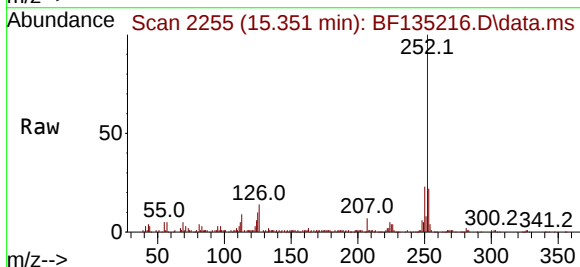
Instrument :
BNA_F
ClientSampleId :
SB-07(14-15)DL3

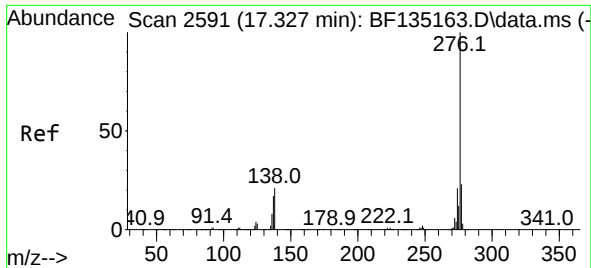
Tgt Ion:252 Resp: 97861
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 12.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 5.738 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135216.D
Acq: 13 Sep 2023 10:18

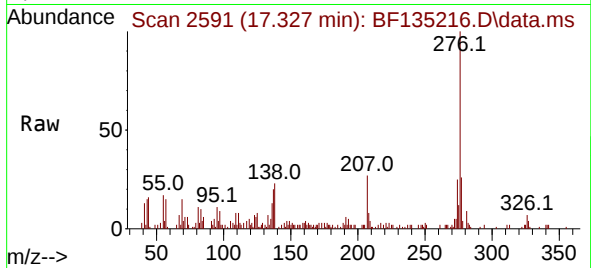
Tgt Ion:252 Resp: 57375
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 9.8 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.363 ng
 RT: 17.327 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135216.D
 Acq: 13 Sep 2023 10:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-07(14-15)DL3



Tgt Ion:	276	Resp:	25643
Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	23.0	16.9	25.3

