

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135409.D
 Acq On : 22 Sep 2023 20:12
 Operator : CG\JU
 Sample : 04436-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-08

Quant Time: Sep 23 04:58:28 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)

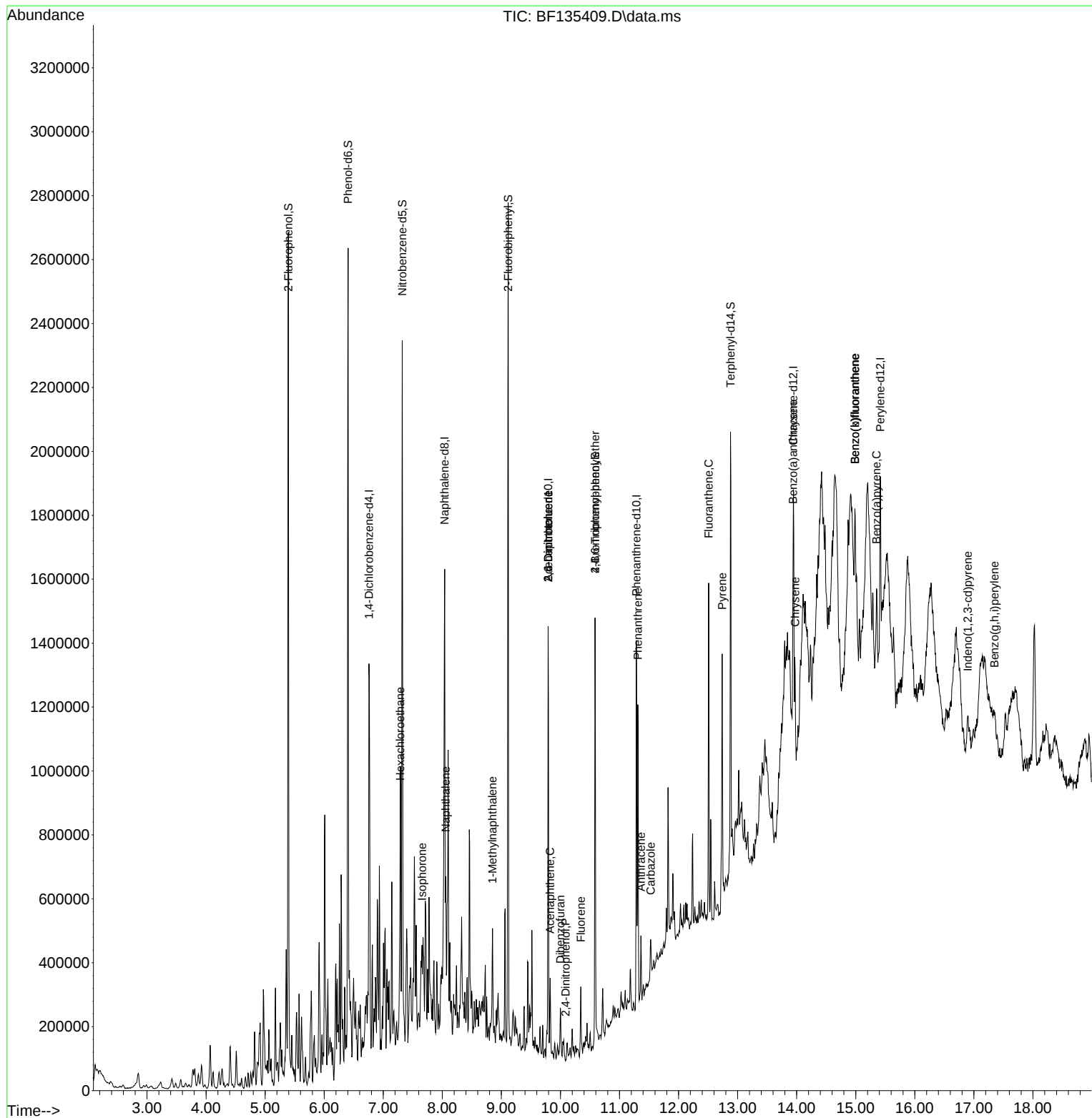
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	158470	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	577356	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	264078	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	416600	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	247513	20.000	ng	0.00
86) Perylene-d12	15.415	264	312571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	711218	72.995	ng	0.00
7) Phenol-d6	6.404	99	850167	68.622	ng	0.00
23) Nitrobenzene-d5	7.322	82	502971	47.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	145263	55.353	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	821553	46.937	ng	-0.01
79) Terphenyl-d14	12.880	244	509549	31.913	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.287	117	43146	10.858	ng	# 1
25) Isophorone	7.657	82	54127	2.774	ng	# 68
31) Naphthalene	8.057	128	88179	3.143	ng	# 93
38) 1-Methylnaphthalene	8.851	142	86867	4.920	ng	97
51) 2,6-Dinitrotoluene	9.792	165	35216	9.004	ng	# 18
52) Acenaphthene	9.828	154	42130	2.914	ng	97
54) 2,4-Dinitrophenol	10.086	184	554	6.478	ng	91
55) Dibenzofuran	9.998	168	50206	2.276	ng	# 96
57) 2,4-Dinitrotoluene	9.792	165	35216	7.192	ng	# 19
58) Fluorene	10.345	166	49888	2.942	ng	98
67) 4-Bromophenyl-phenylether	10.586	248	9798	2.365	ng	# 1
71) Phenanthrene	11.310	178	344915	17.505	ng	99
72) Anthracene	11.363	178	79699	3.935	ng	99
73) Carbazole	11.527	167	49880	2.705	ng	97
75) Fluoranthene	12.510	202	410192	19.979	ng	99
78) Pyrene	12.739	202	332922	14.128	ng	98
81) Benzo(a)anthracene	13.939	228	156619	9.799	ng	99
83) Chrysene	13.974	228	151010	9.503	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	73455	3.584	ng	98
88) Benzo(b)fluoranthene	14.986	252	250173	14.785	ng	# 82
89) Benzo(k)fluoranthene	14.986	252	250173	14.967	ng	# 82
90) Benzo(a)pyrene	15.351	252	133336	8.263	ng	# 81
92) Benzo(g,h,i)perylene	17.351	276	61845	3.531	ng	# 83

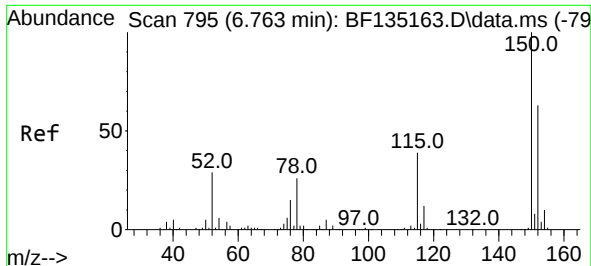
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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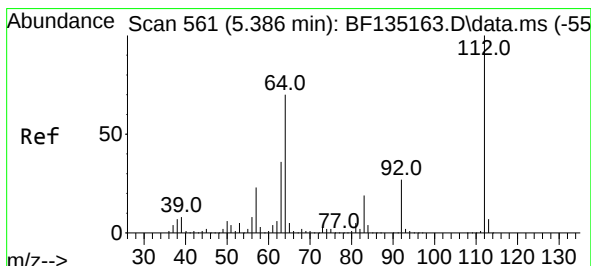
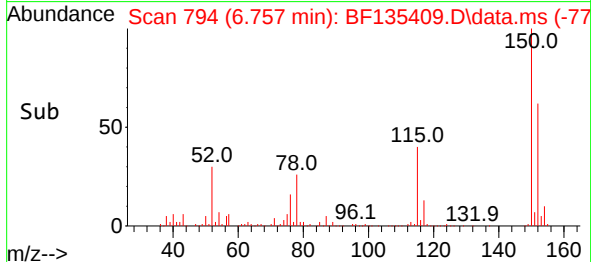
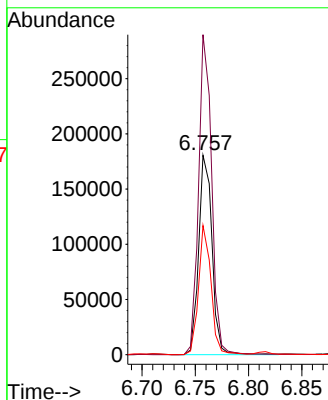
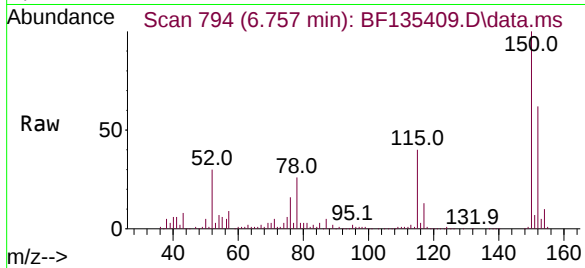




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135409.D
 Acq: 22 Sep 2023 20:12

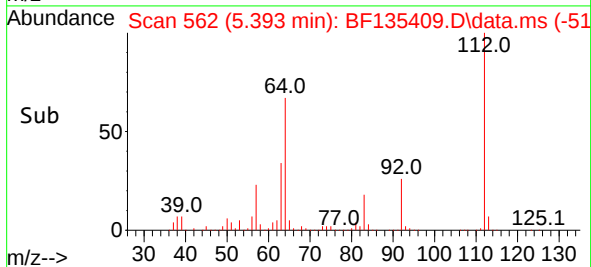
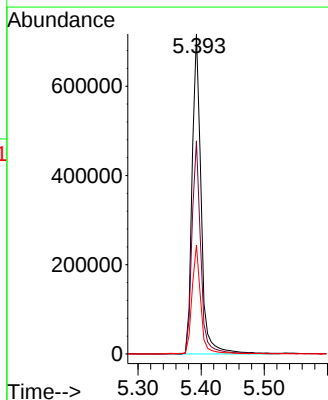
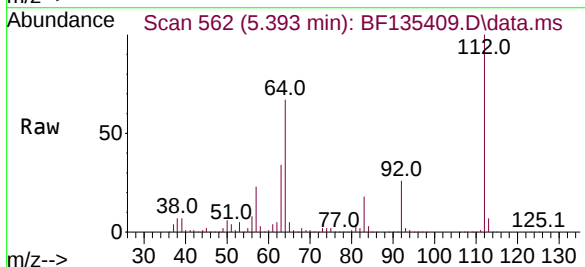
Instrument :
 BNA_F
 ClientSampleId :
 B102-08

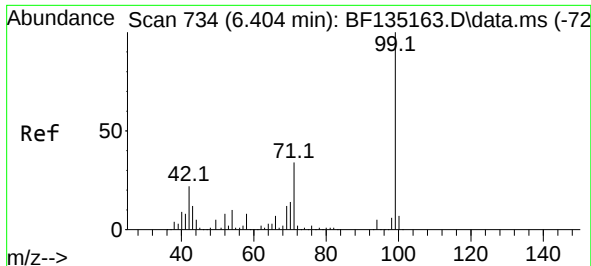
Tgt Ion:152 Resp: 158470
 Ion Ratio Lower Upper
 152 100
 150 160.5 127.8 191.6
 115 64.8 49.8 74.8



#5
 2-Fluorophenol
 Concen: 72.995 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF135409.D
 Acq: 22 Sep 2023 20:12

Tgt Ion:112 Resp: 711218
 Ion Ratio Lower Upper
 112 100
 64 66.6 55.9 83.9
 63 34.1 29.0 43.6





#7

Phenol-d6

Concen: 68.622 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

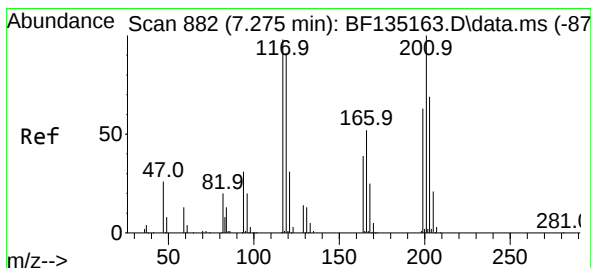
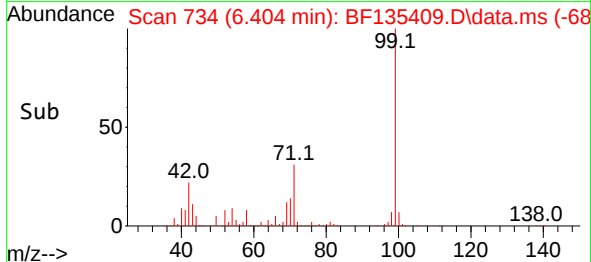
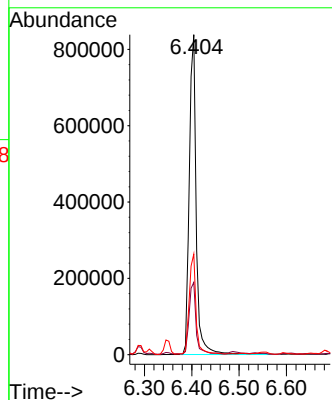
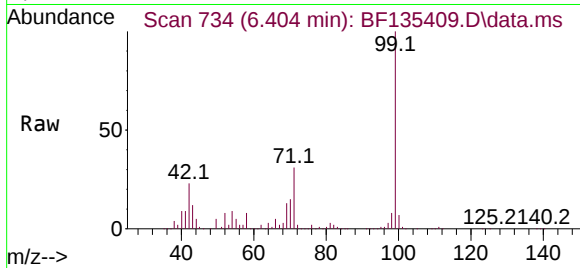
Tgt Ion: 99 Resp: 850167

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

71 31.5 27.0 40.6



#18

Hexachloroethane

Concen: 10.858 ng

RT: 7.287 min Scan# 884

Delta R.T. 0.012 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

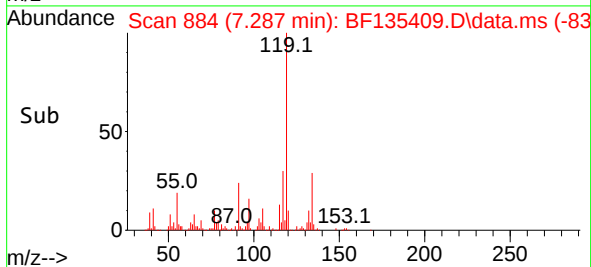
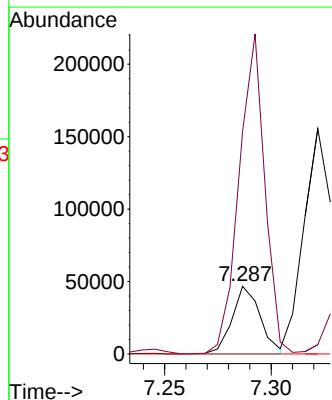
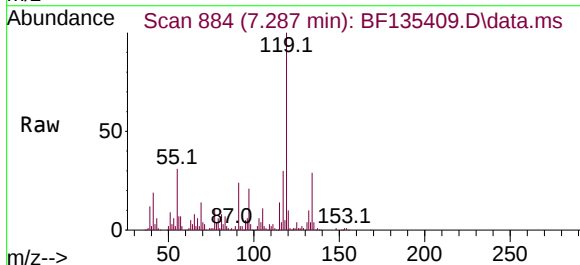
Tgt Ion: 117 Resp: 43146

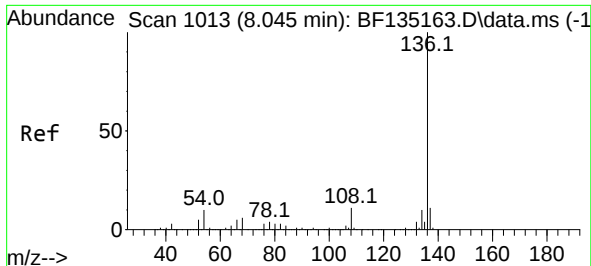
Ion Ratio Lower Upper

117 100

119 328.6 74.7 112.1#

201 0.0 81.8 122.8#

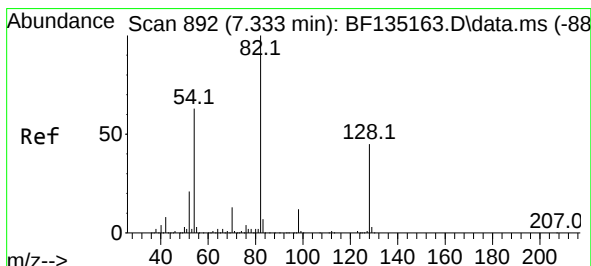
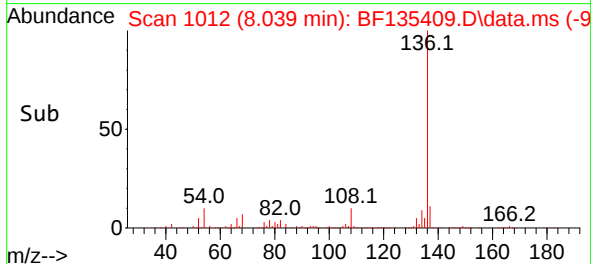
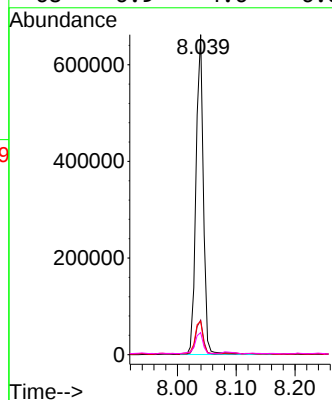
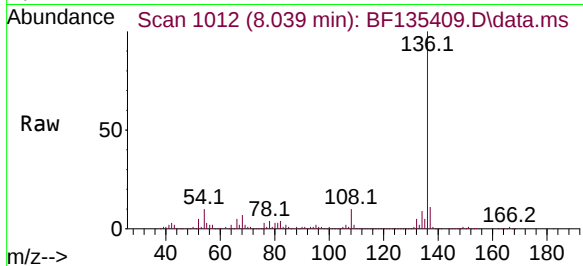




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

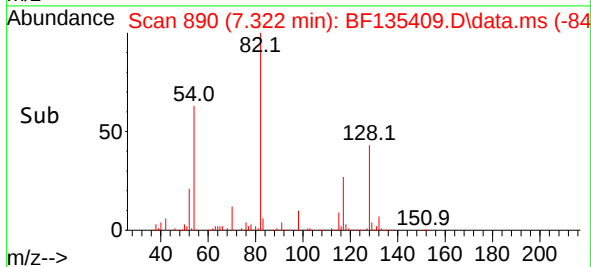
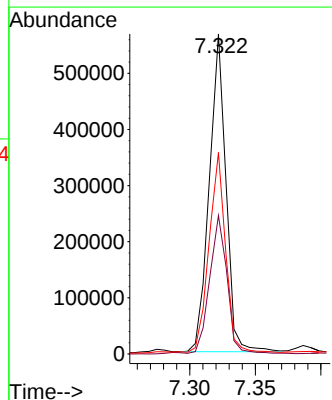
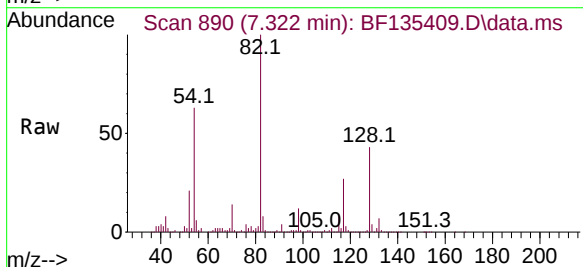
Instrument :
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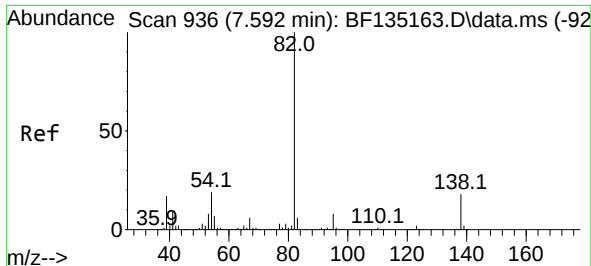
Tgt Ion:136 Resp: 577356
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.4 7.7 11.5
68 6.9 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 47.330 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion: 82 Resp: 502971
Ion Ratio Lower Upper
82 100
128 43.3 35.8 53.6
54 63.0 50.6 76.0

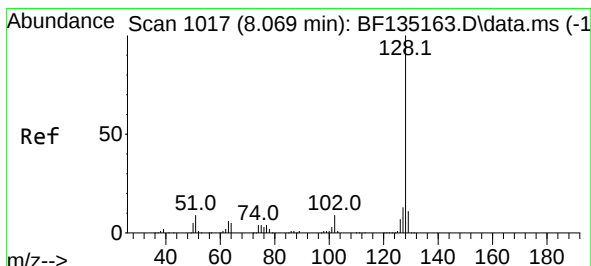
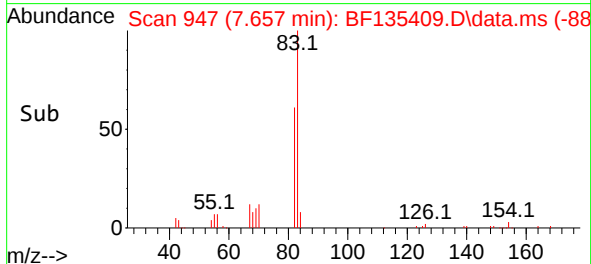
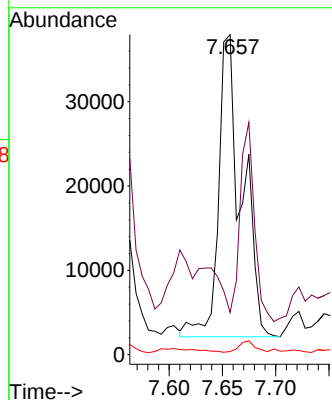
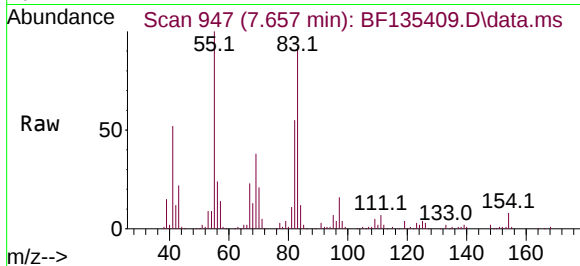




#25
Isophorone
Concen: 2.774 ng
RT: 7.657 min Scan# 94
Delta R.T. 0.065 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

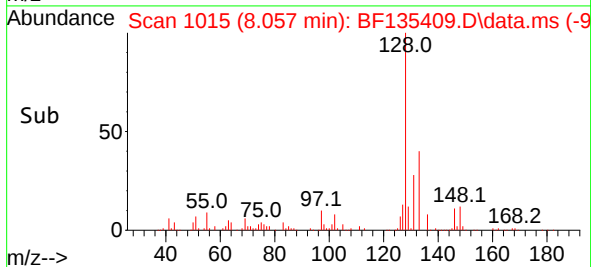
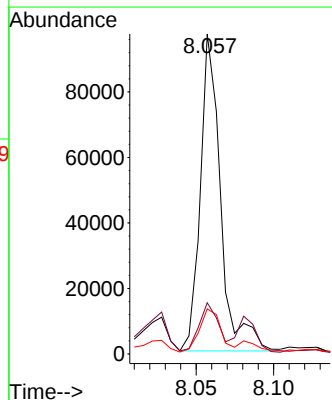
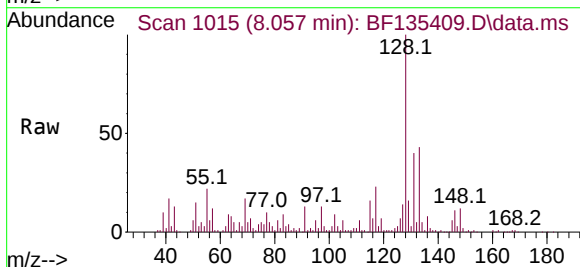
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ClientSampleId :
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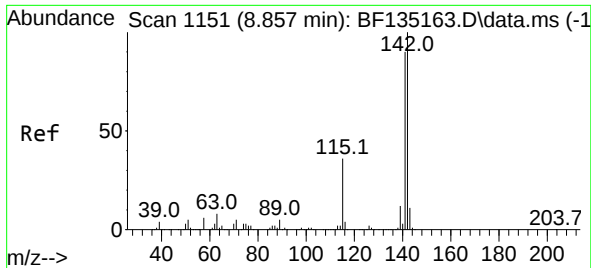
Tgt Ion: 82 Resp: 54127
Ion Ratio Lower Upper
82 100
95 13.2 6.0 9.0#
138 1.0 14.5 21.7#



#31
Naphthalene
Concen: 3.143 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:128 Resp: 88179
Ion Ratio Lower Upper
128 100
129 16.0 8.7 13.1#
127 14.1 10.7 16.1

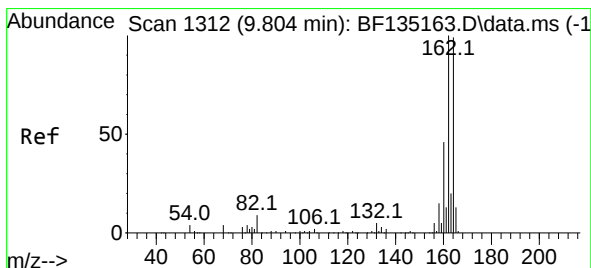
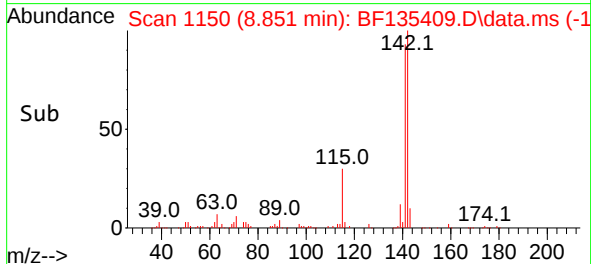
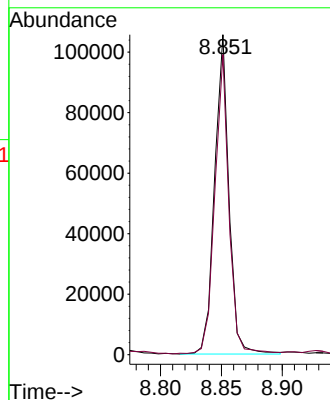
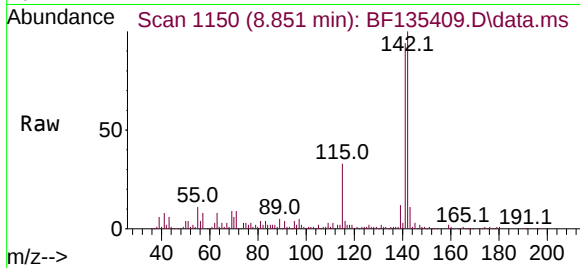




#38
1-Methylnaphthalene
Concen: 4.920 ng
RT: 8.851 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

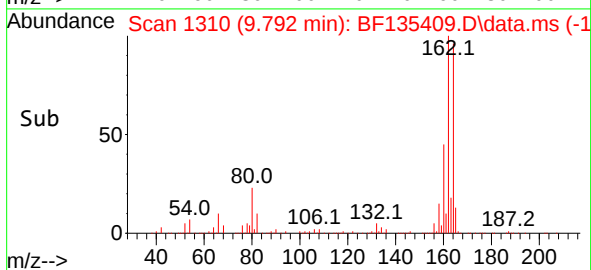
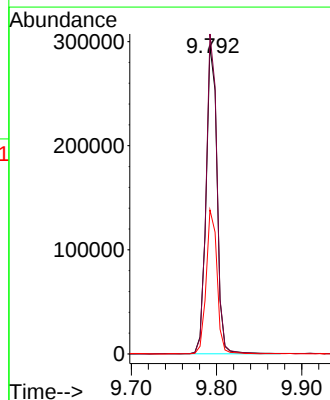
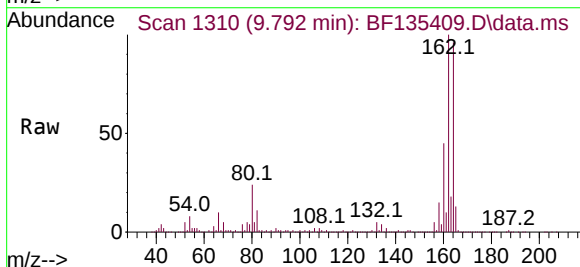
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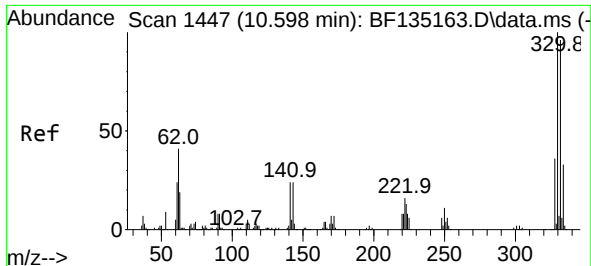
Tgt Ion:142 Resp: 86867
Ion Ratio Lower Upper
142 100
141 93.8 72.4 108.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

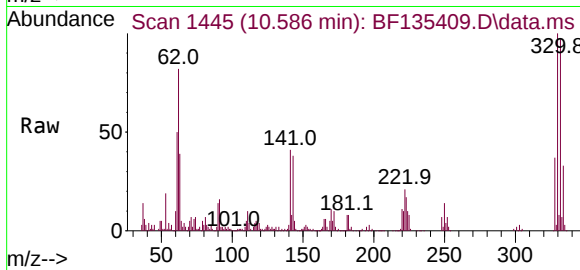
Tgt Ion:164 Resp: 264078
Ion Ratio Lower Upper
164 100
162 103.8 81.0 121.4
160 46.7 37.0 55.4



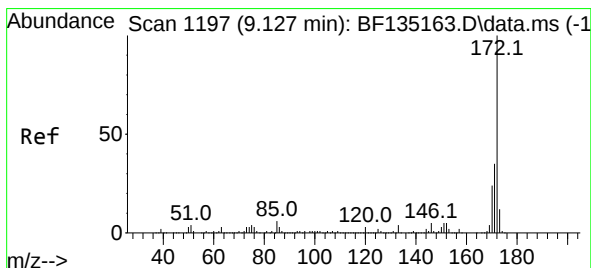
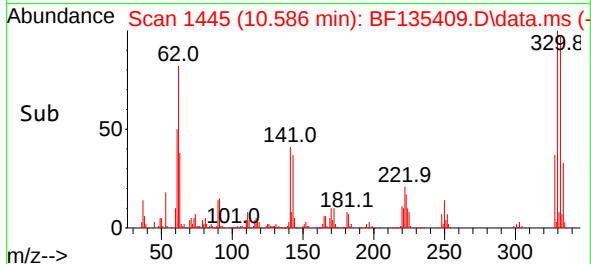
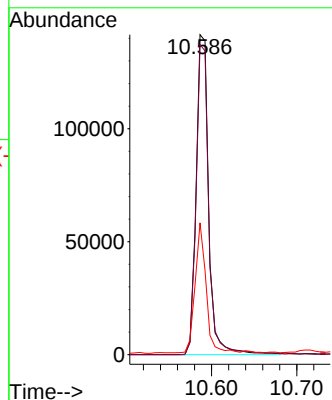


#42
2,4,6-Tribromophenol
Concen: 55.353 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Instrument :
BNA_F
ClientSampleId :
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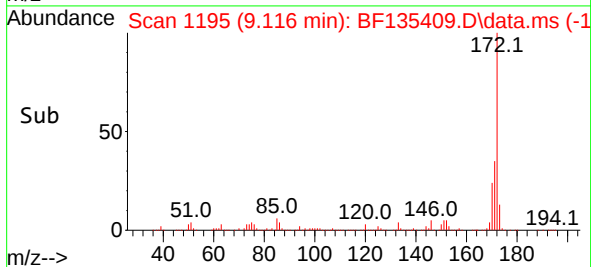
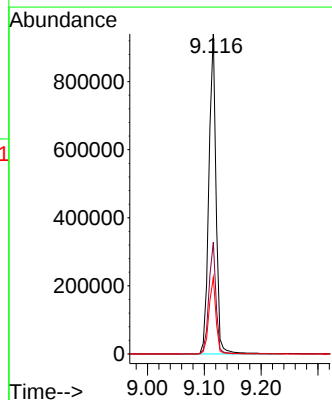
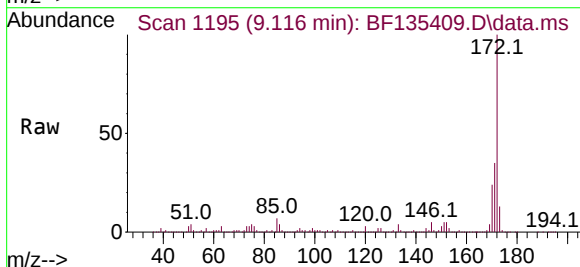


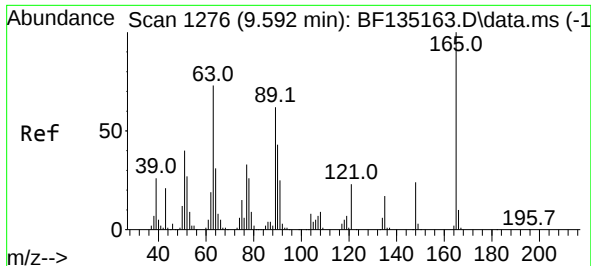
Tgt Ion:330 Resp: 145263
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 35.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 46.937 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:172 Resp: 821553
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.9 19.0 28.4

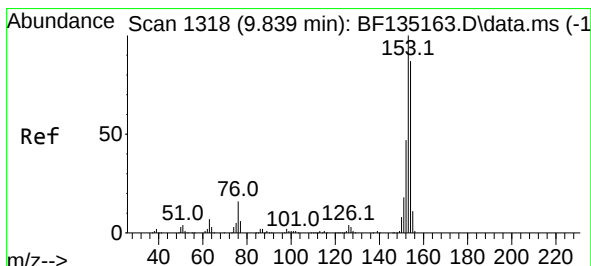
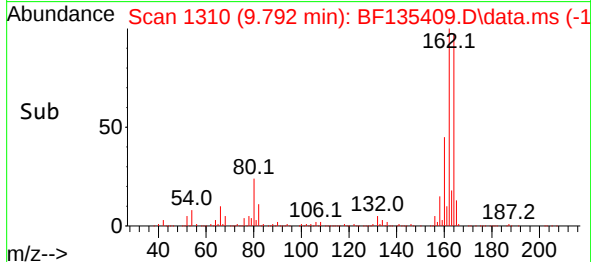
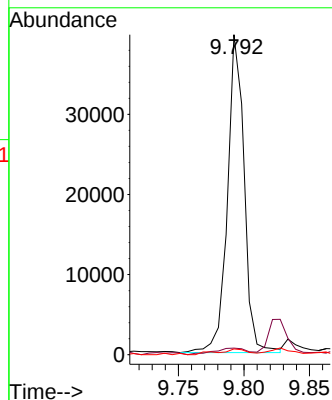
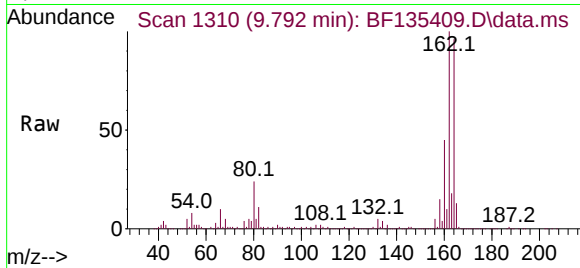




#51
2,6-Dinitrotoluene
Concen: 9.004 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

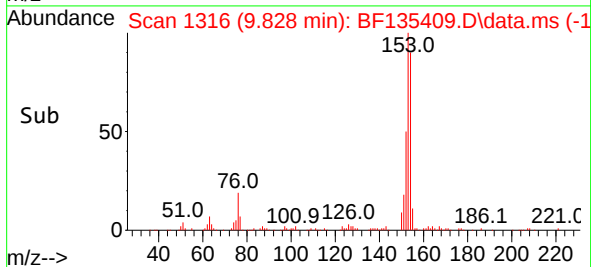
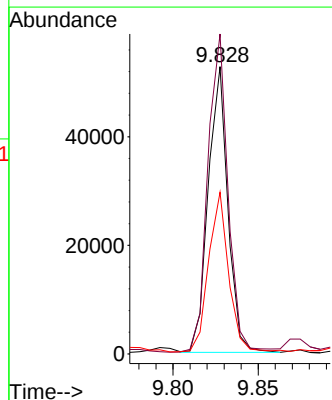
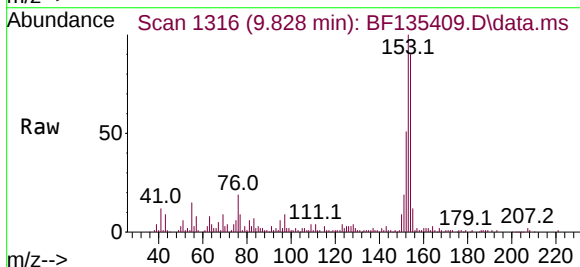
Instrument :
BNA_F
ClientSampleId :
B102-08

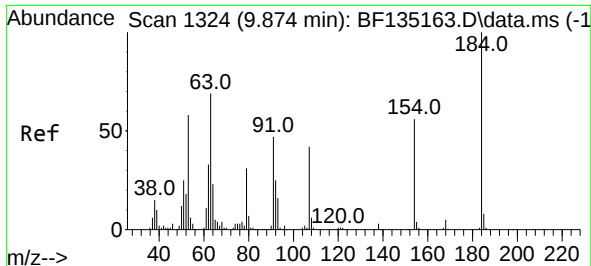
Tgt Ion:165 Resp: 35216
Ion Ratio Lower Upper
165 100
63 2.1 59.4 89.2#
89 1.8 49.8 74.8#



#52
Acenaphthene
Concen: 2.914 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:154 Resp: 42130
Ion Ratio Lower Upper
154 100
153 111.4 92.1 138.1
152 56.3 43.1 64.7

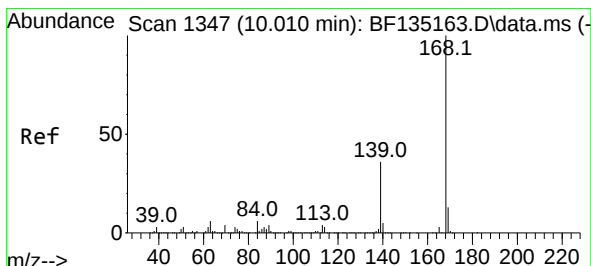
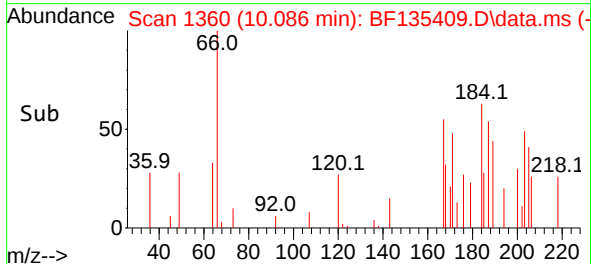
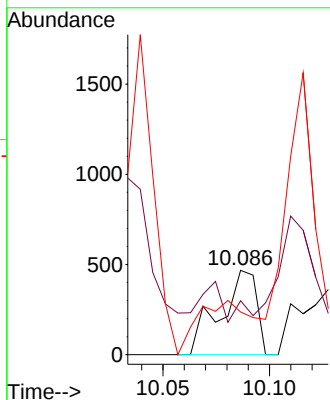
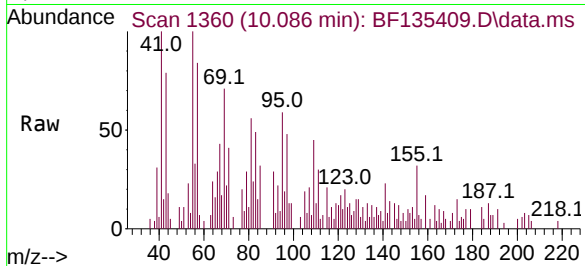




#54
2,4-Dinitrophenol
Concen: 6.478 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.212 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

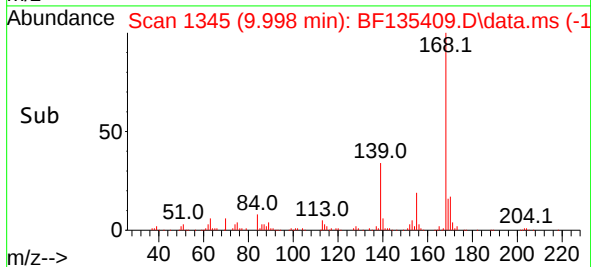
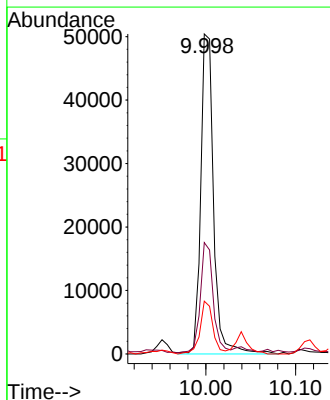
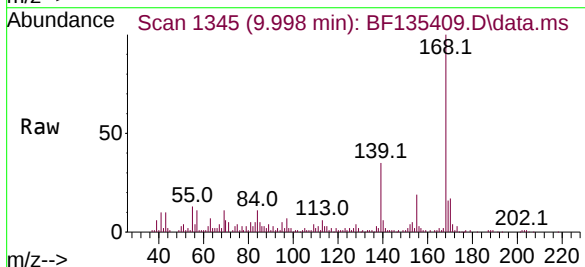
Instrument :
BNA_F
ClientSampleId :
B102-08

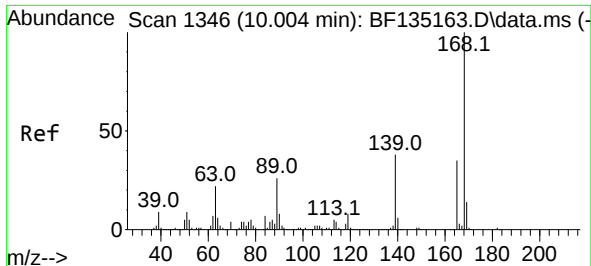
Tgt Ion:184 Resp: 554
Ion Ratio Lower Upper
184 100
63 63.9 55.1 82.7
154 50.6 48.4 72.6



#55
Dibenzofuran
Concen: 2.276 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:168 Resp: 50206
Ion Ratio Lower Upper
168 100
139 34.8 29.0 43.6
169 16.5 10.4 15.6#

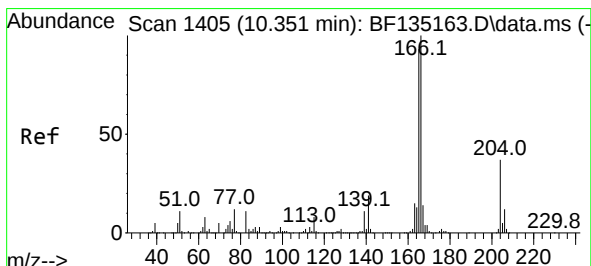
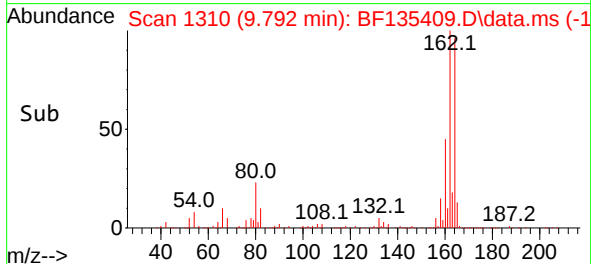
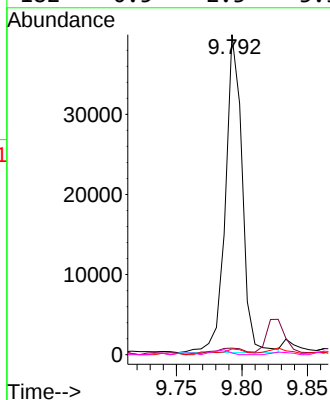
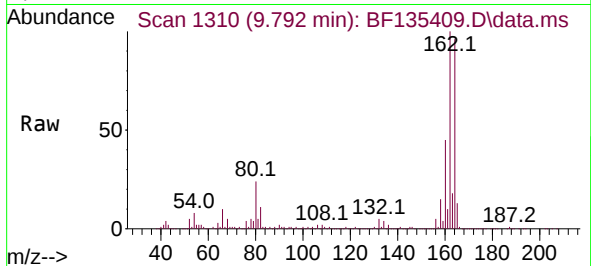




#57
2,4-Dinitrotoluene
Concen: 7.192 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

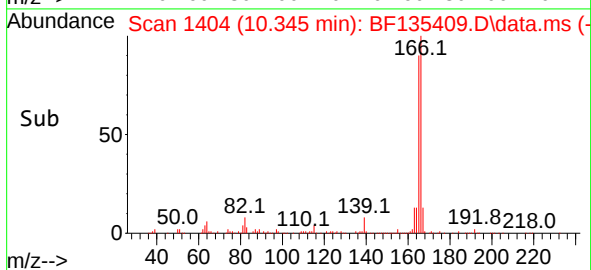
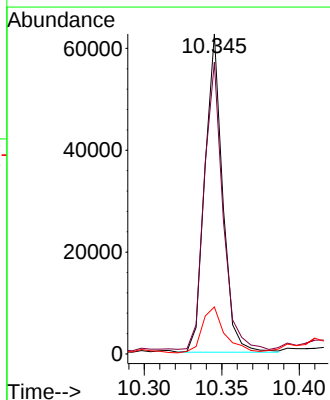
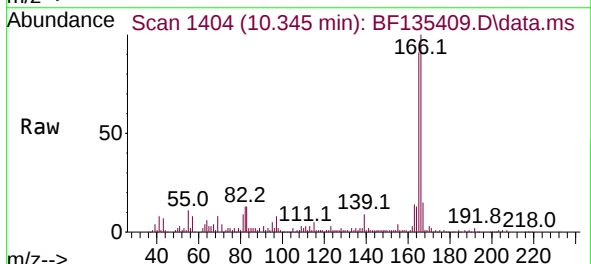
Instrument :
BNA_F
ClientSampleId :
B102-08

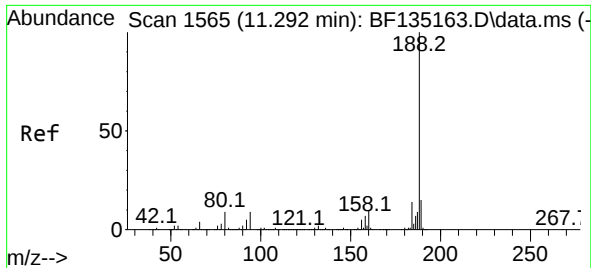
Tgt Ion:165 Resp: 35216
Ion Ratio Lower Upper
165 100
63 2.1 50.1 75.1#
89 1.8 59.3 88.9#
182 0.5 2.3 3.5#



#58
Fluorene
Concen: 2.942 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:166 Resp: 49888
Ion Ratio Lower Upper
166 100
165 91.1 74.3 111.5
167 14.7 10.9 16.3

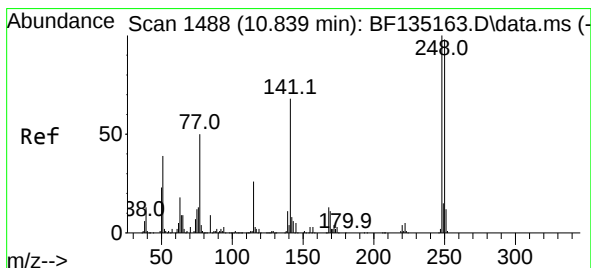
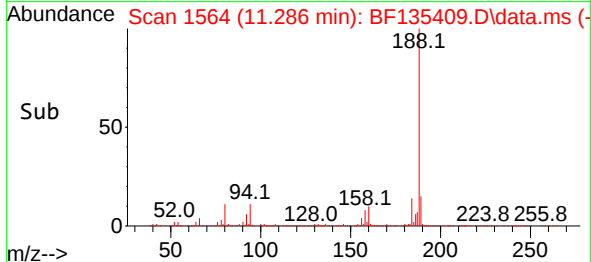
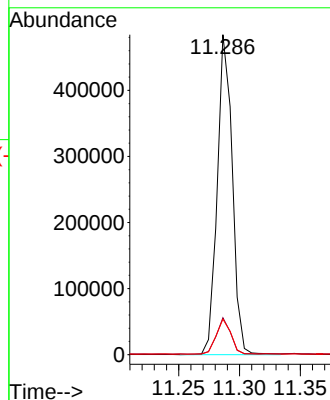
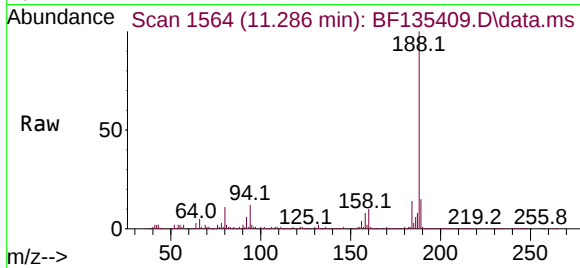




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

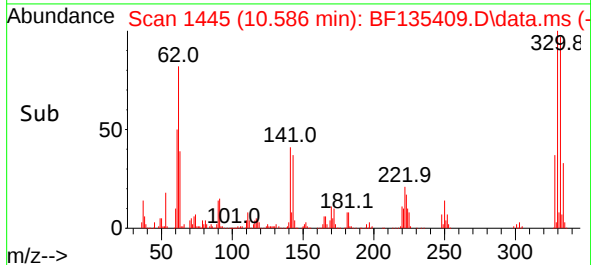
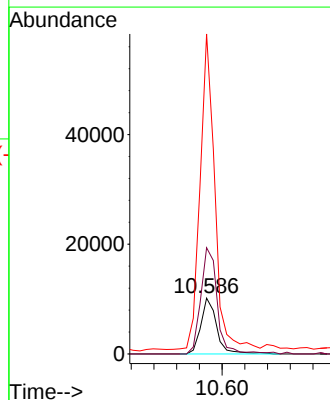
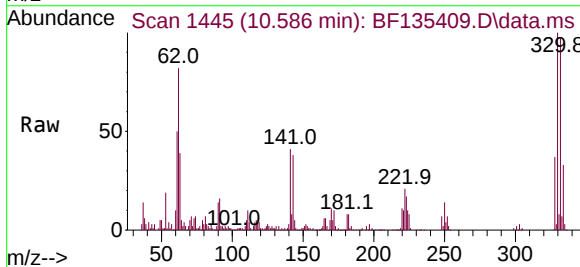
Instrument :
BNA_F
ClientSampleId :
B102-08

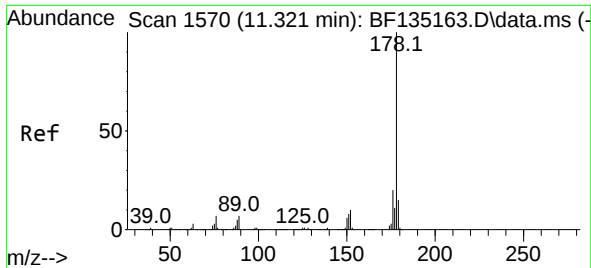
Tgt Ion:188 Resp: 416600
Ion Ratio Lower Upper
188 100
94 11.5 7.0 10.6#
80 11.1 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.365 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:248 Resp: 9798
Ion Ratio Lower Upper
248 100
250 190.3 78.6 117.8#
141 572.9 54.2 81.2#

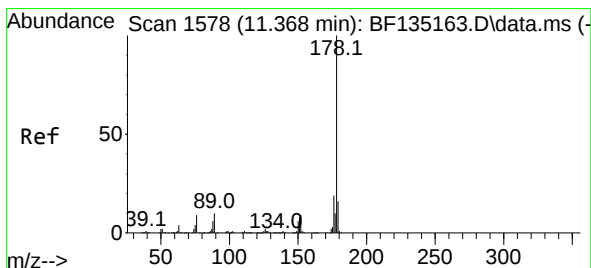
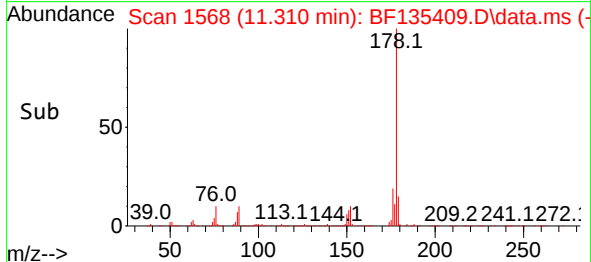
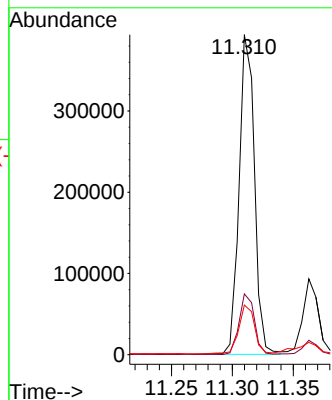
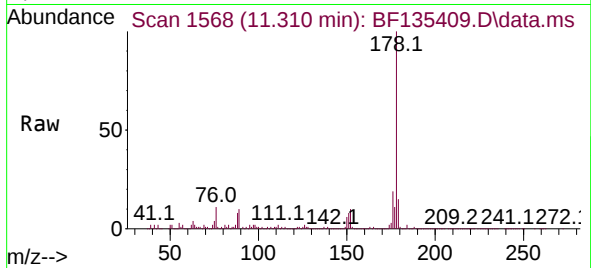




#71
Phenanthrene
Concen: 17.505 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

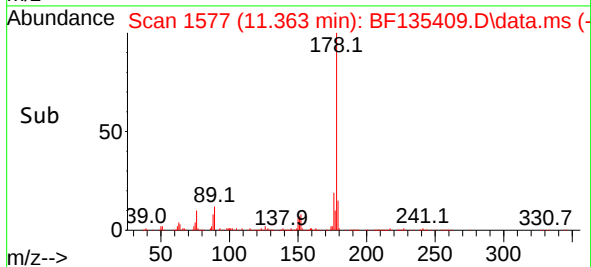
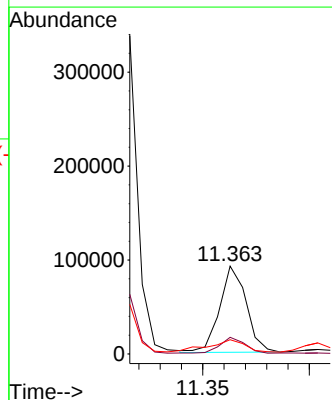
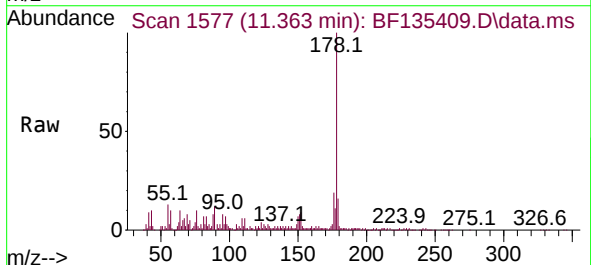
Instrument :
BNA_F
ClientSampleId :
B102-08

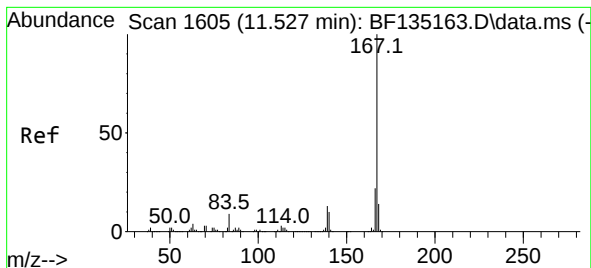
Tgt Ion:178 Resp: 344915
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.5 12.0 18.0



#72
Anthracene
Concen: 3.935 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135409.D
Acq: 22 Sep 2023 20:12

Tgt Ion:178 Resp: 79699
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 16.3 12.6 19.0





#73

Carbazole

Concen: 2.705 ng

RT: 11.527 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

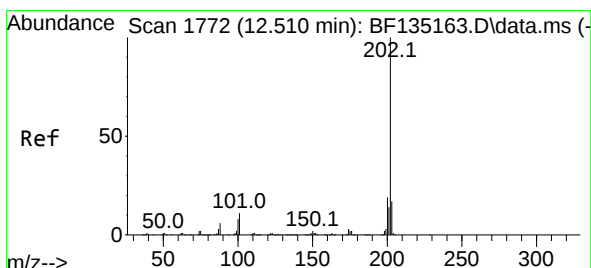
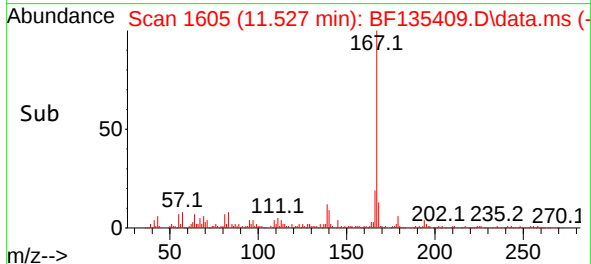
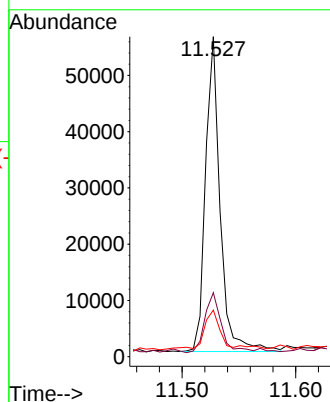
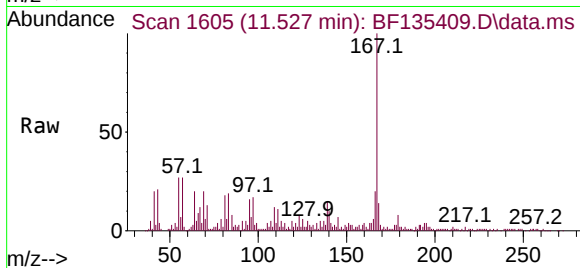
Tgt Ion:167 Resp: 49880

Ion Ratio Lower Upper

167 100

166 20.0 17.4 26.0

139 14.5 10.6 15.8



#75

Fluoranthene

Concen: 19.979 ng

RT: 12.510 min Scan# 1772

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

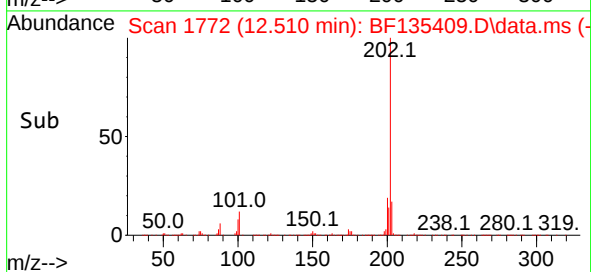
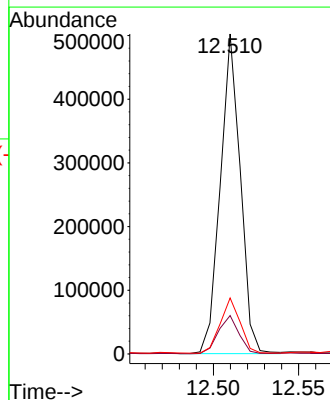
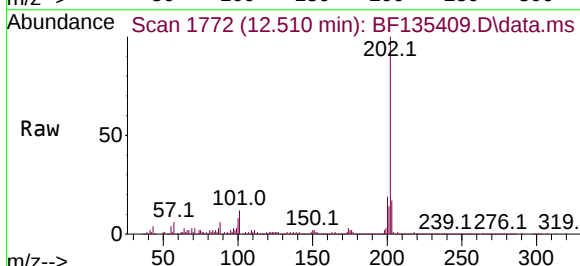
Tgt Ion:202 Resp: 410192

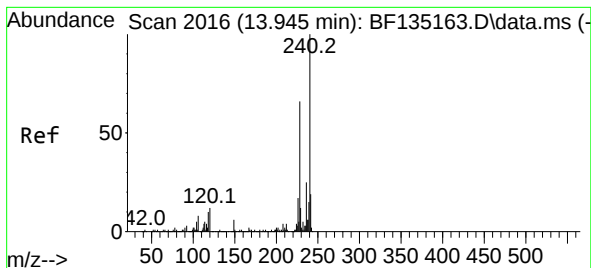
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.3

203 17.5 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: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

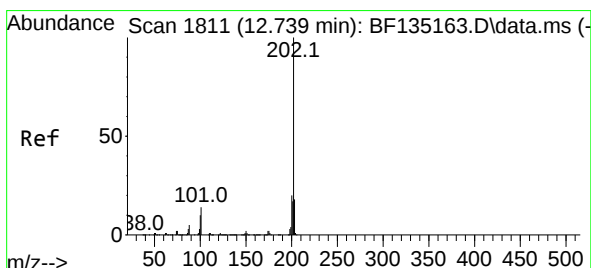
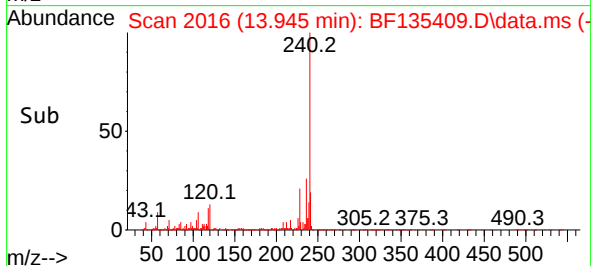
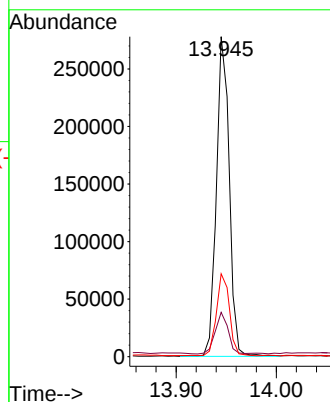
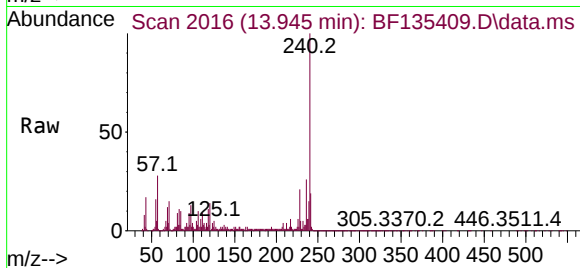
Tgt Ion:240 Resp: 247513

Ion Ratio Lower Upper

240 100

120 13.9 9.4 14.2

236 25.9 19.8 29.8



#78

Pyrene

Concen: 14.128 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

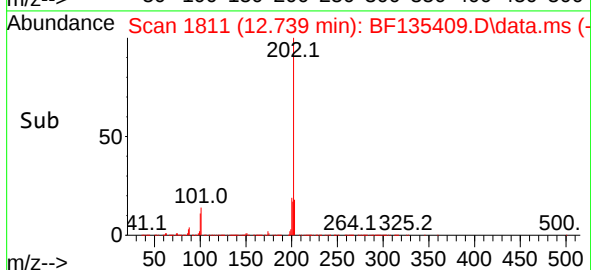
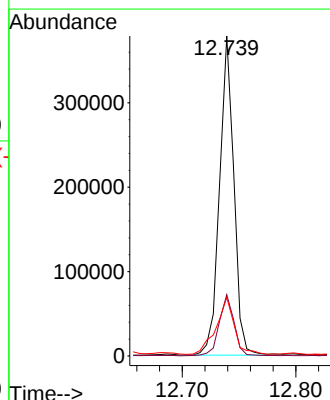
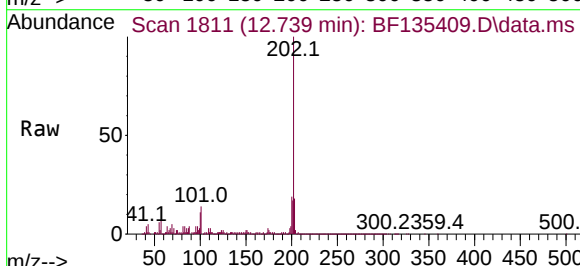
Tgt Ion:202 Resp: 332922

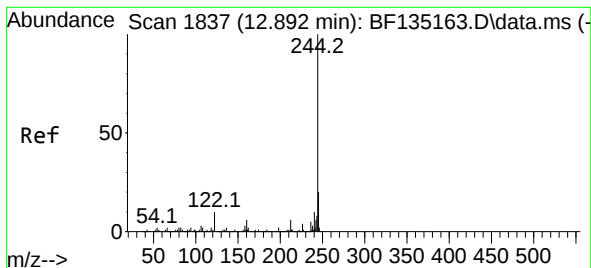
Ion Ratio Lower Upper

202 100

200 19.1 16.2 24.2

203 18.3 14.2 21.4





#79

Terphenyl-d14

Concen: 31.913 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

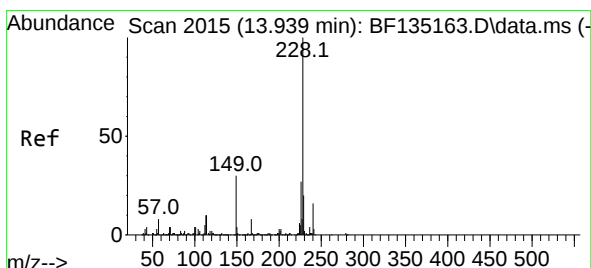
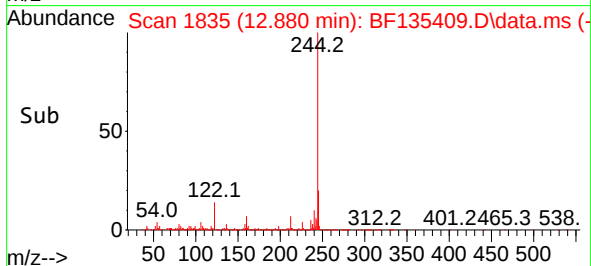
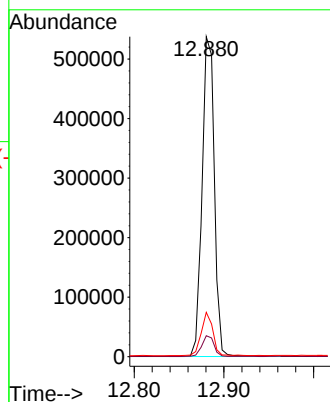
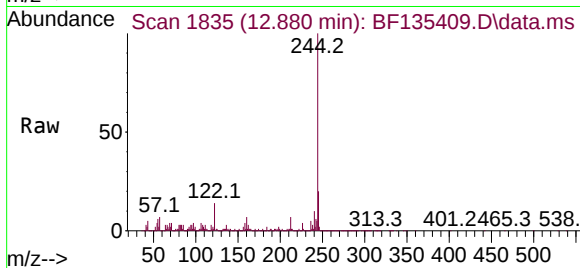
Tgt Ion:244 Resp: 509549

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 13.9 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 9.799 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

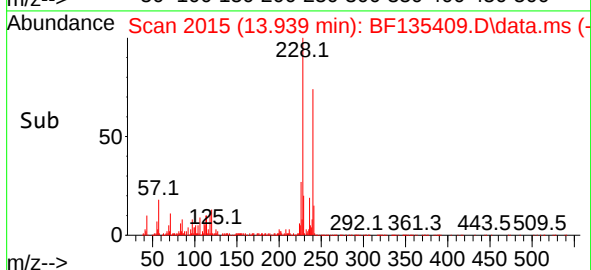
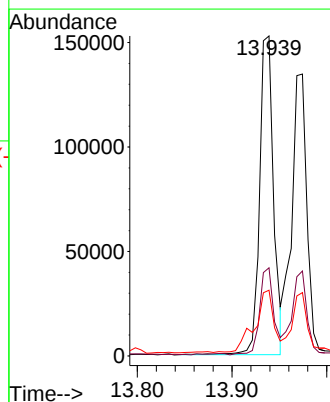
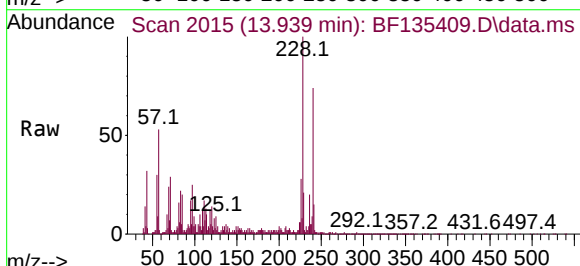
Tgt Ion:228 Resp: 156619

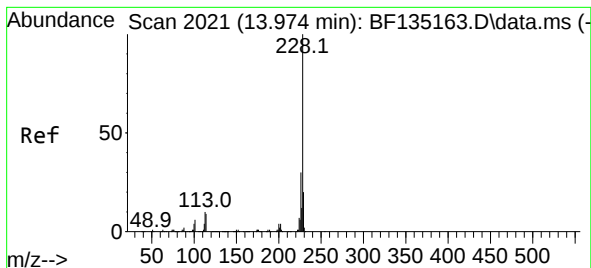
Ion Ratio Lower Upper

228 100

226 27.6 21.7 32.5

229 20.6 15.8 23.8





#83

Chrysene

Concen: 9.503 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

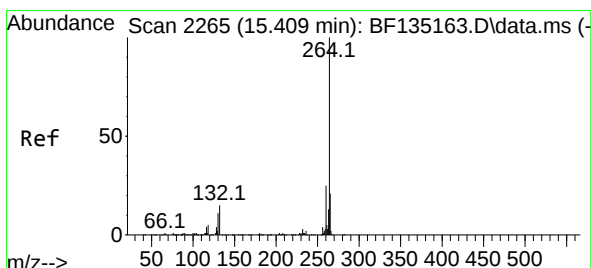
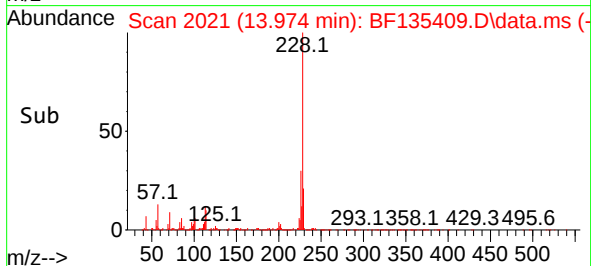
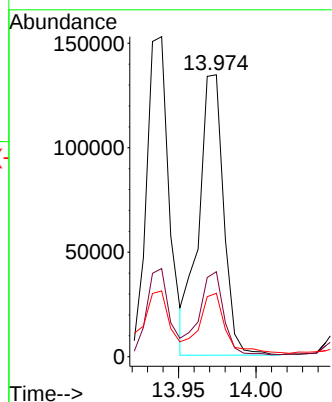
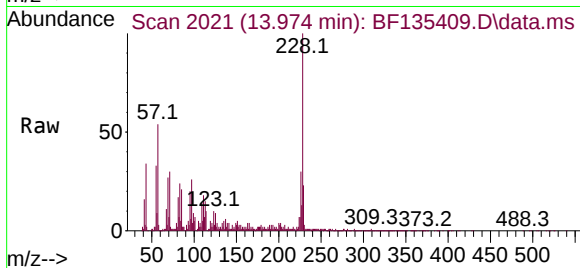
Tgt Ion:228 Resp: 151010

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 22.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

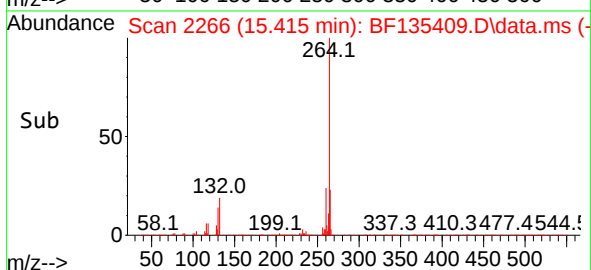
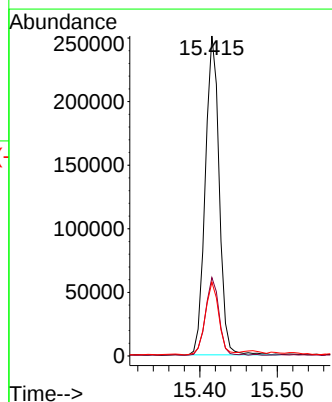
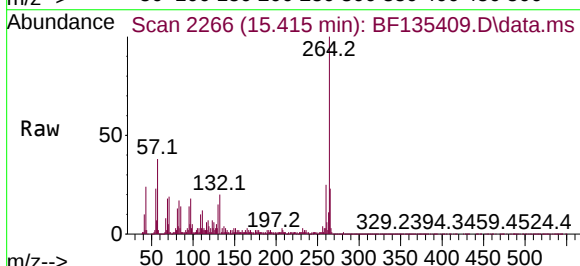
Tgt Ion:264 Resp: 312571

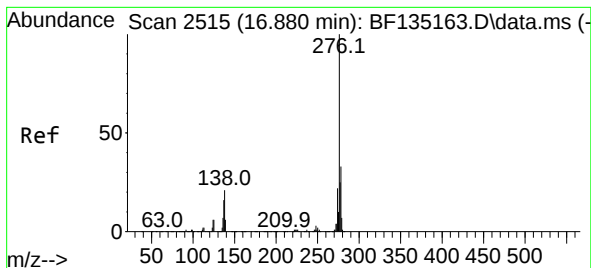
Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.584 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.018 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

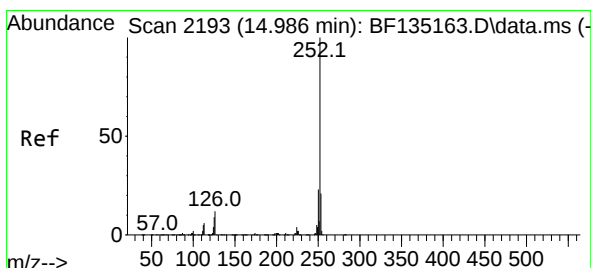
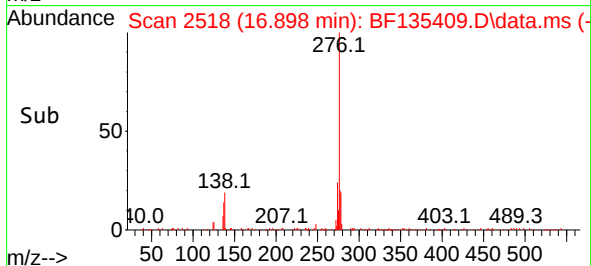
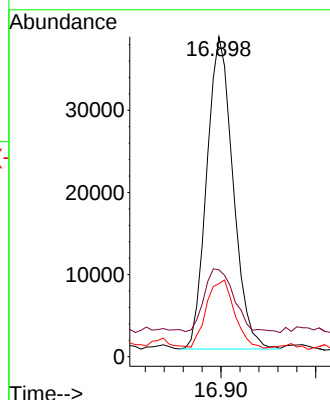
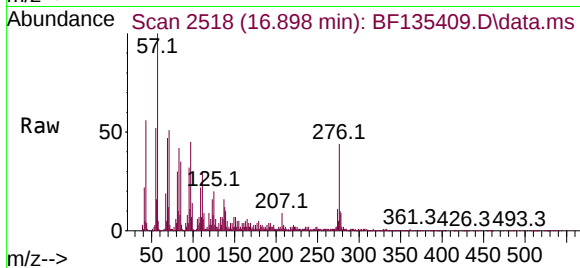
Tgt Ion:276 Resp: 73455

Ion Ratio Lower Upper

276 100

138 23.4 19.2 28.8

277 22.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 14.785 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

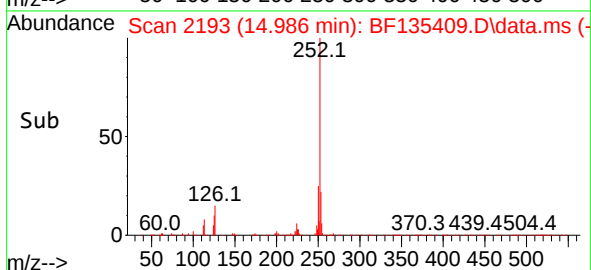
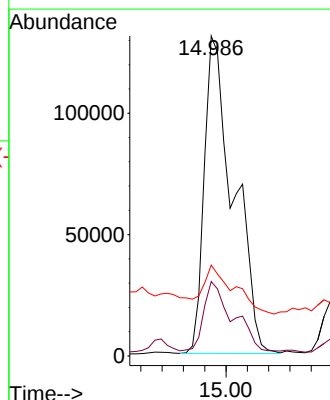
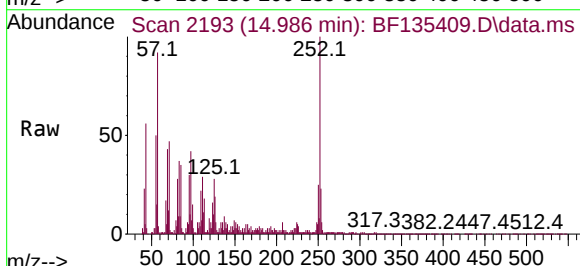
Tgt Ion:252 Resp: 250173

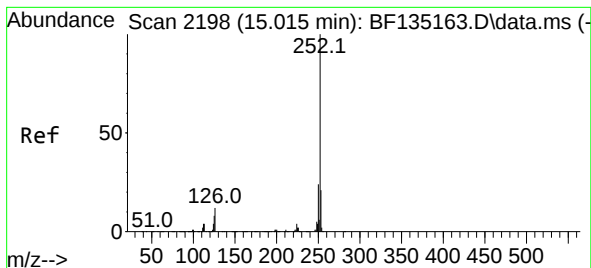
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 28.4 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 14.967 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08

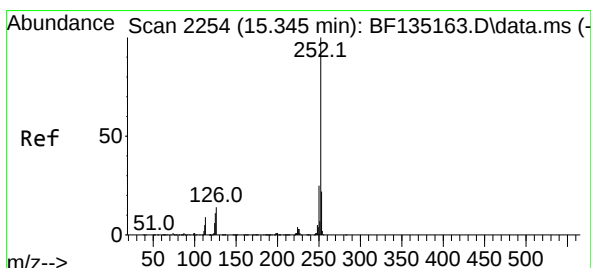
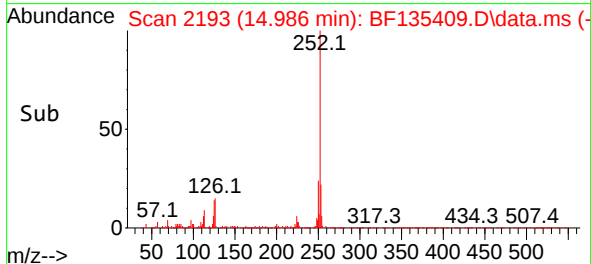
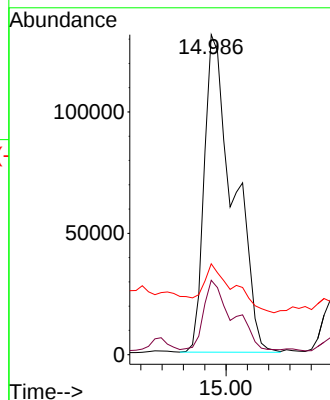
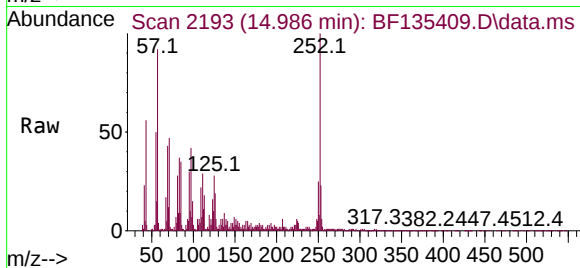
Tgt Ion:252 Resp: 250173

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 28.4 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 8.263 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135409.D

Acq: 22 Sep 2023 20:12

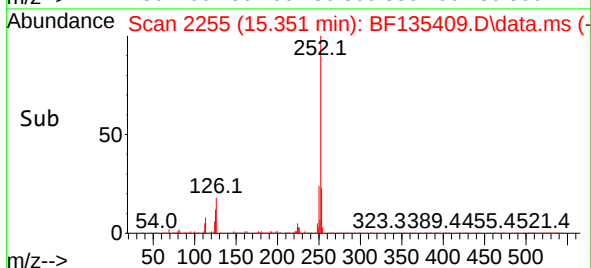
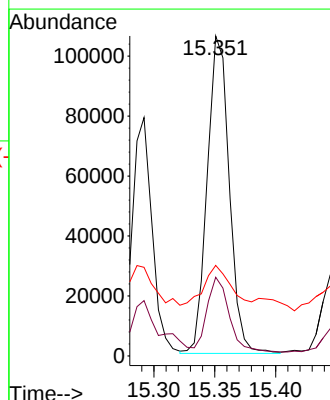
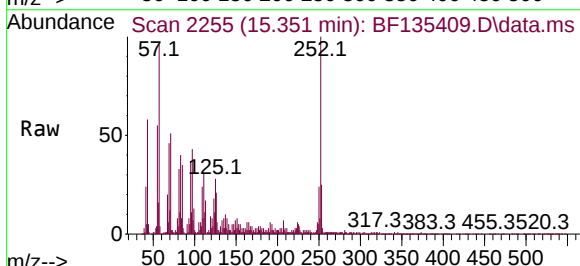
Tgt Ion:252 Resp: 133336

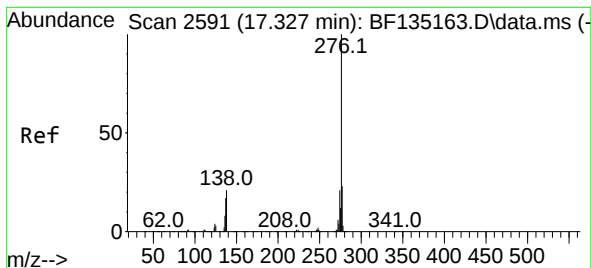
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 28.3 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 3.531 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF135409.D

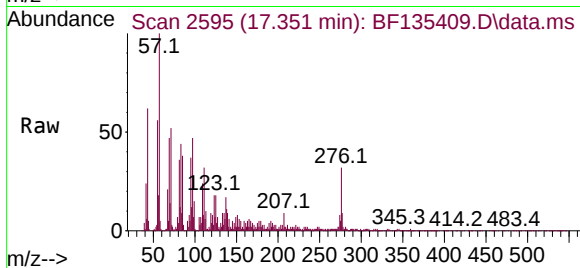
Acq: 22 Sep 2023 20:12

Instrument :

BNA_F

ClientSampleId :

B102-08



Tgt Ion:276 Resp: 61845

Ion Ratio Lower Upper

276 100

277 27.4 18.8 28.2

138 33.5 16.9 25.3#

