

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135233.D
 Acq On : 13 Sep 2023 20:54
 Operator : CG\JU
 Sample : 04299-04DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMPDL

Quant Time: Sep 14 02:23:39 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)

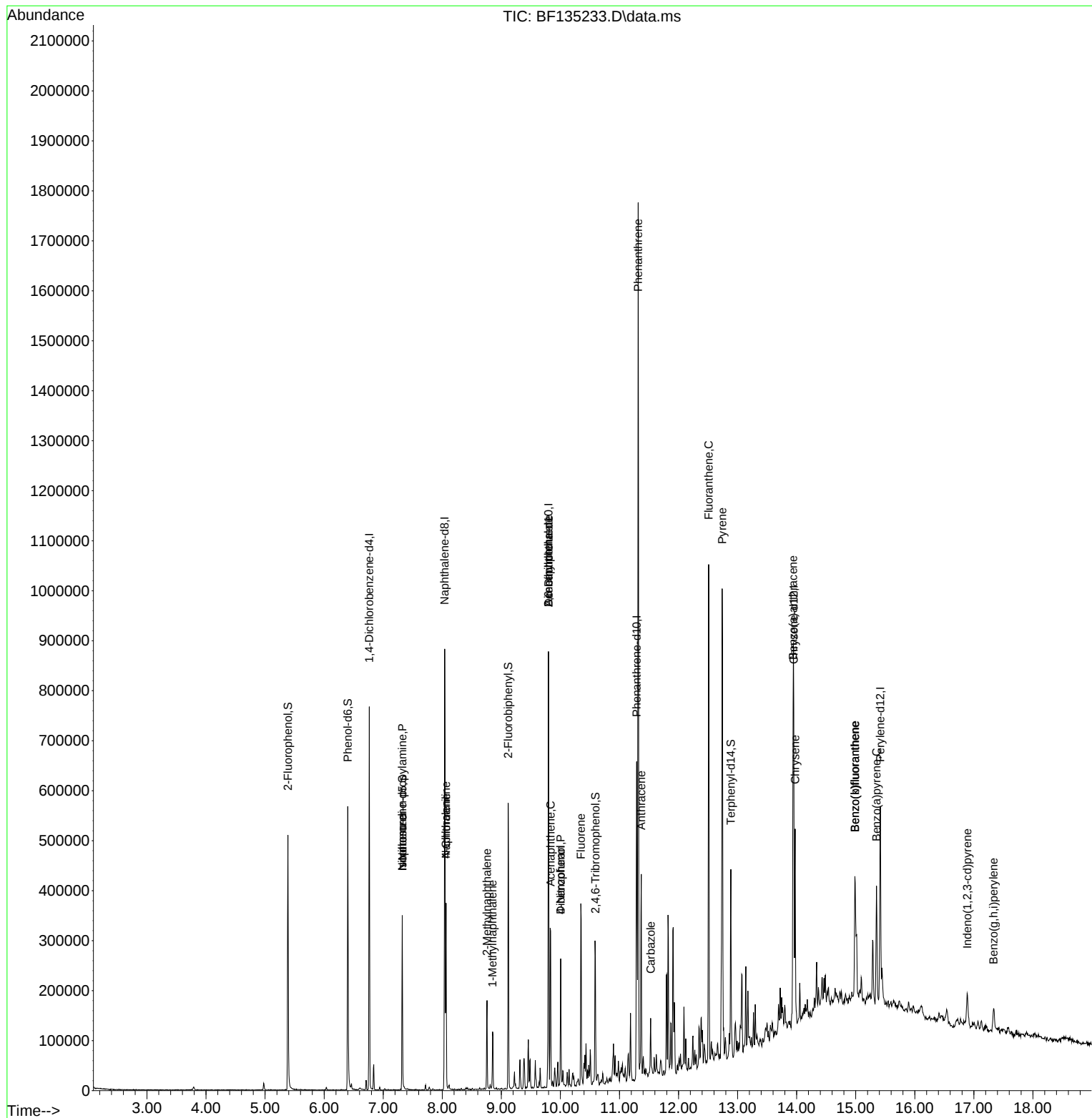
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	98916	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	360321	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	154986	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	231157	20.000	ng	0.00
76) Chrysene-d12	13.951	240	193120	20.000	ng	0.00
86) Perylene-d12	15.415	264	185117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	132418	21.773	ng	0.00
7) Phenol-d6	6.398	99	163658	21.163	ng	0.00
23) Nitrobenzene-d5	7.322	82	89730	13.530	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	25493	16.552	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	165327	16.094	ng	-0.01
79) Terphenyl-d14	12.886	244	119521	9.594	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	11944	2.494	ng	# 80
25) Isophorone	7.322	82	89729	7.368	ng	# 65
31) Naphthalene	8.063	128	133638	7.633	ng	99
33) 4-Chloroaniline	8.063	127	16994	2.212	ng	# 31
37) 2-Methylnaphthalene	8.757	142	44445	3.777	ng	100
38) 1-Methylnaphthalene	8.851	142	30102	2.732	ng	89
50) Dimethylphthalate	9.798	163	29982	2.861	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	21336	9.295	ng	# 18
52) Acenaphthene	9.834	154	67321	7.935	ng	99
55) Dibenzofuran	10.004	168	79693	6.155	ng	98
56) 4-Nitrophenol	10.004	139	29809	17.406	ng	# 4
58) Fluorene	10.345	166	100792	10.127	ng	98
71) Phenanthrene	11.316	178	605125	55.350	ng	99
72) Anthracene	11.369	178	149939	13.343	ng	99
73) Carbazole	11.528	167	39170	3.829	ng	99
75) Fluoranthene	12.510	202	395561	34.723	ng	98
78) Pyrene	12.739	202	412133	22.415	ng	99
81) Benzo(a)anthracene	13.939	228	175655	14.086	ng	99
83) Chrysene	13.974	228	139985	11.291	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	41435	3.414	ng	98
88) Benzo(b)fluoranthene	14.986	252	183305	18.292	ng	# 97
89) Benzo(k)fluoranthene	14.986	252	183305	18.518	ng	# 98
90) Benzo(a)pyrene	15.351	252	104814	10.968	ng	97
92) Benzo(g,h,i)perylene	17.333	276	37941	3.658	ng	99

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

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QLast Update : Tue Sep 12 00:19:07 2023
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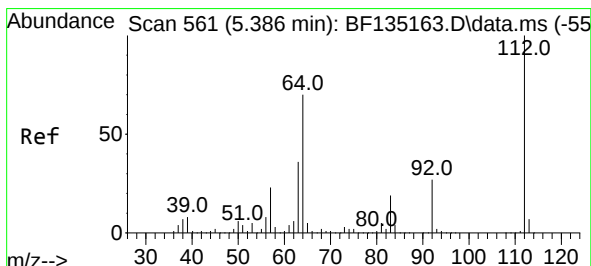
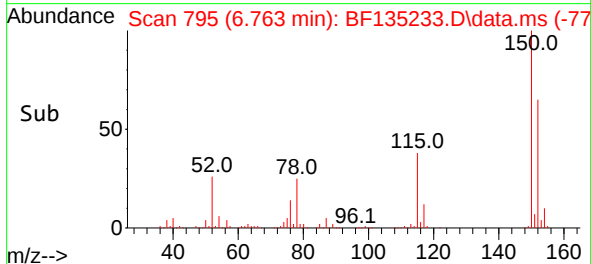
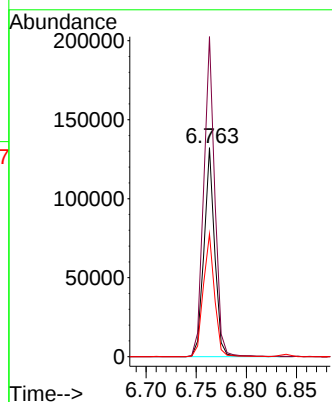
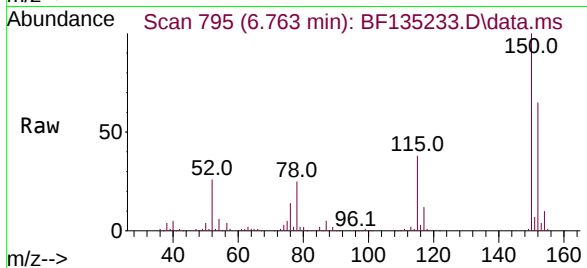




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135233.D
 Acq: 13 Sep 2023 20:54

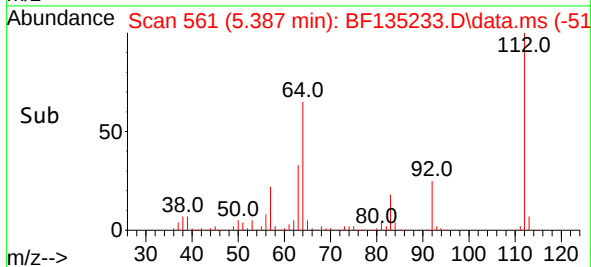
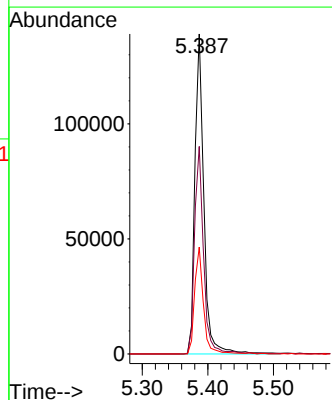
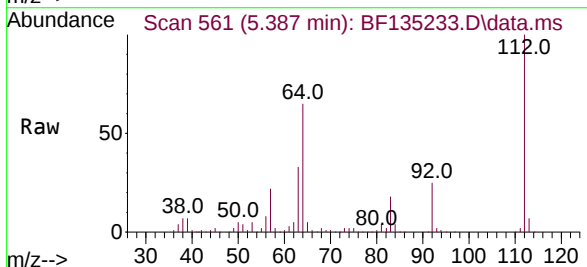
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMPDL

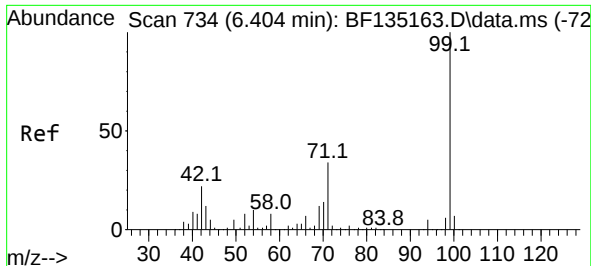
Tgt Ion:152 Resp: 98916
 Ion Ratio Lower Upper
 152 100
 150 153.1 127.8 191.6
 115 58.7 49.8 74.8



#5
 2-Fluorophenol
 Concen: 21.773 ng
 RT: 5.387 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF135233.D
 Acq: 13 Sep 2023 20:54

Tgt Ion:112 Resp: 132418
 Ion Ratio Lower Upper
 112 100
 64 64.9 55.9 83.9
 63 33.4 29.0 43.6

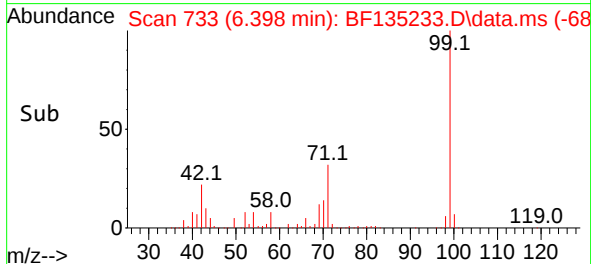
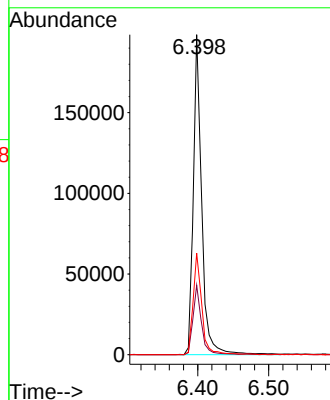
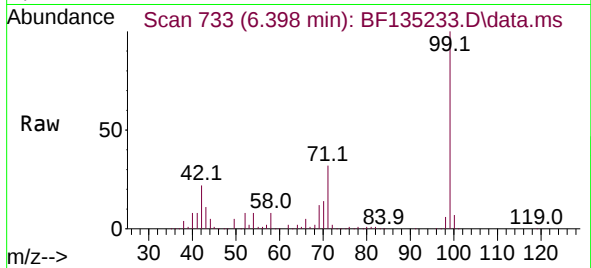




#7
Phenol-d6
Concen: 21.163 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

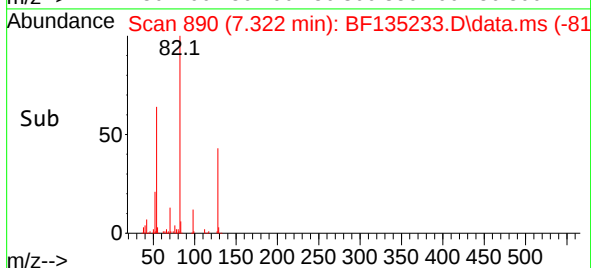
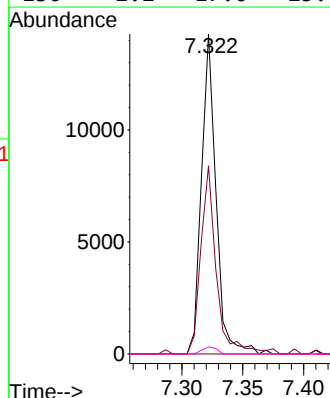
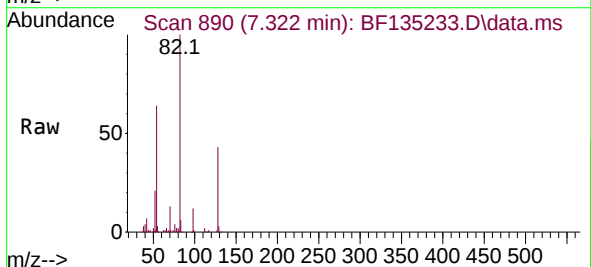
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

Tgt Ion: 99 Resp: 163658
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 31.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.494 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.136 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion: 70 Resp: 11944
Ion Ratio Lower Upper
70 100
42 58.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

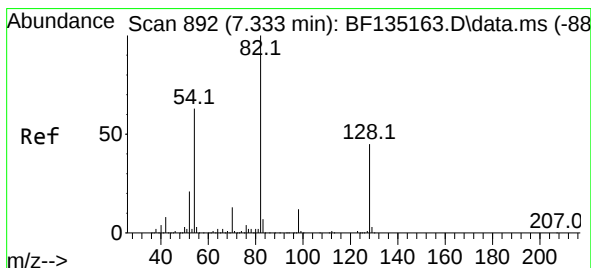
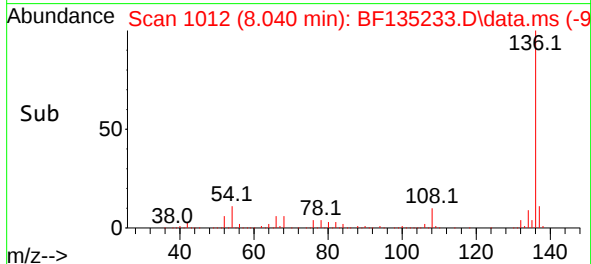
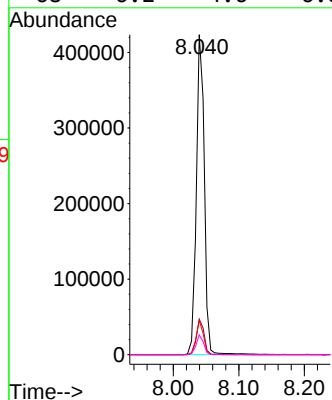
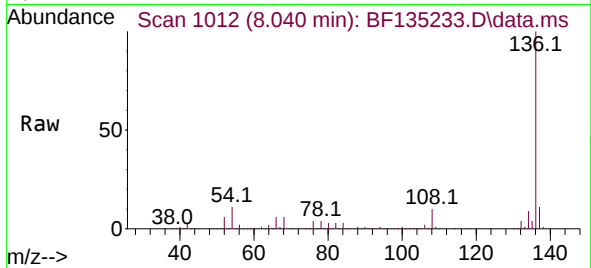




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

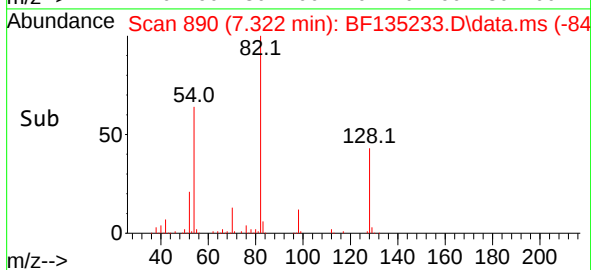
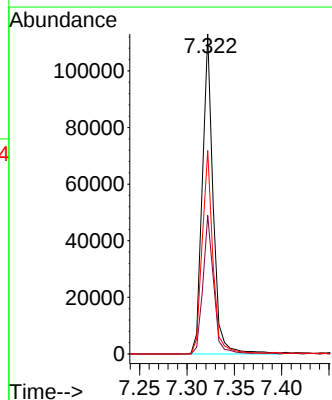
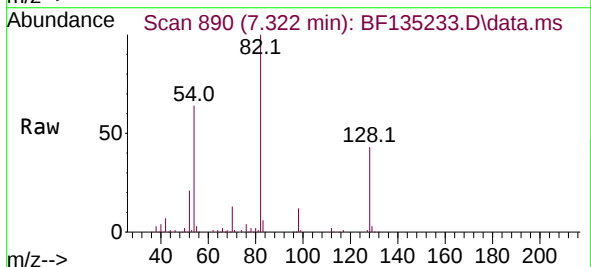
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

Tgt Ion:136 Resp: 360321
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.7 7.7 11.5
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 13.530 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion: 82 Resp: 89730
Ion Ratio Lower Upper
82 100
128 43.3 35.8 53.6
54 63.6 50.6 76.0

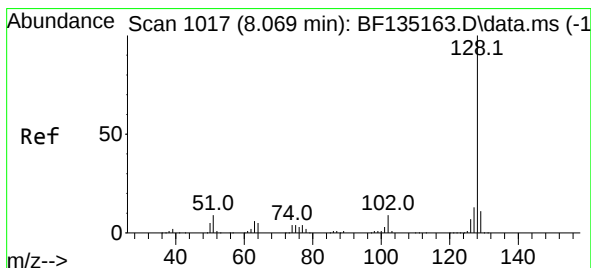
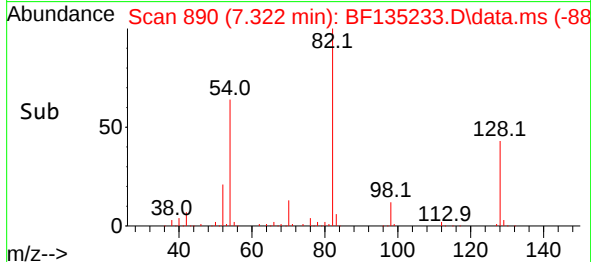
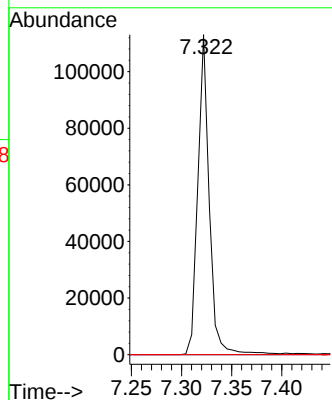
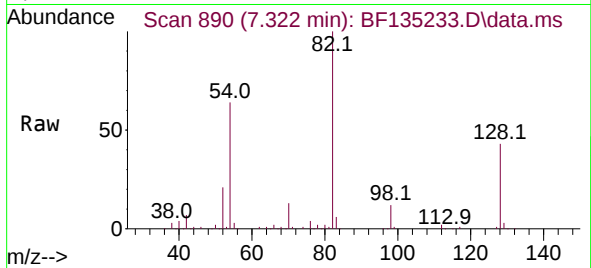




#25
Isophorone
Concen: 7.368 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

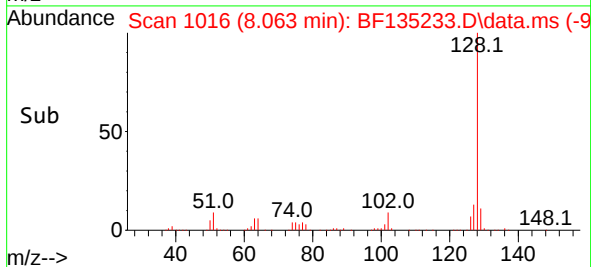
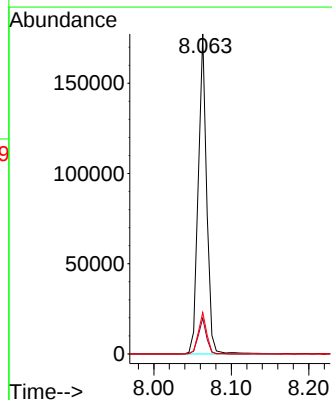
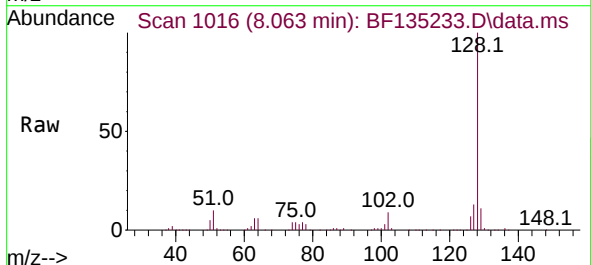
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

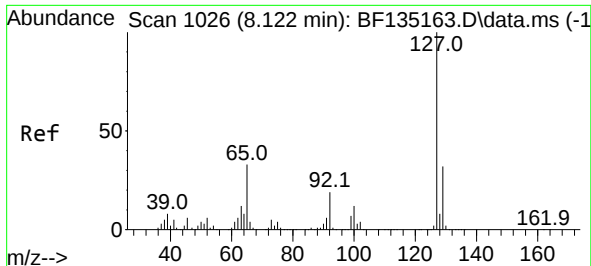
Tgt Ion: 82 Resp: 89729
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 7.633 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion: 128 Resp: 133638
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.0 10.7 16.1

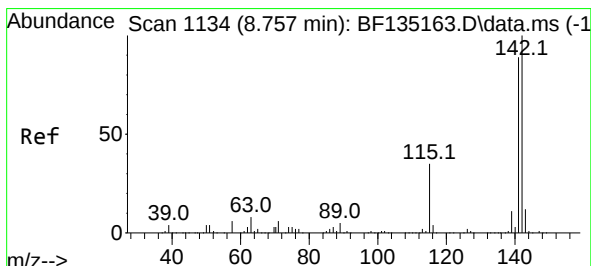
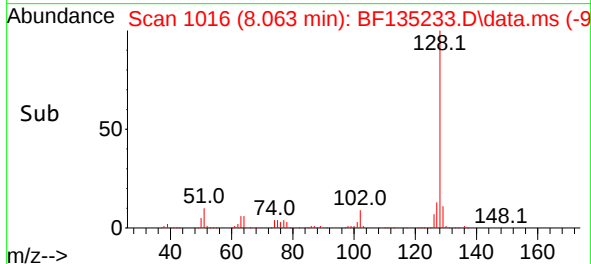
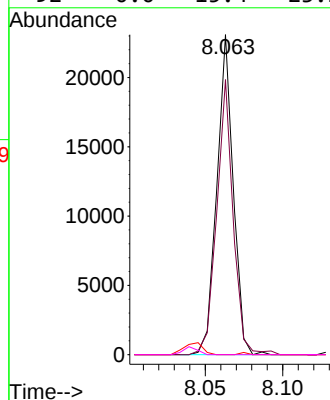
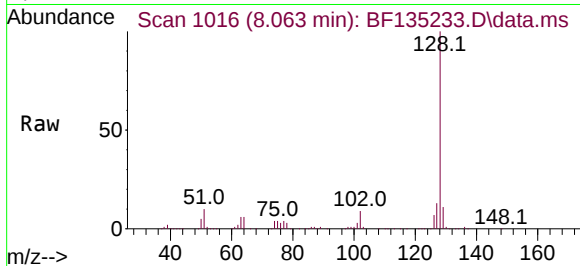




#33
4-Chloroaniline
Concen: 2.212 ng
RT: 8.063 min Scan# 1026
Delta R.T. -0.059 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

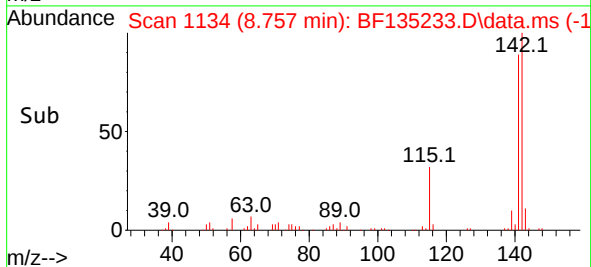
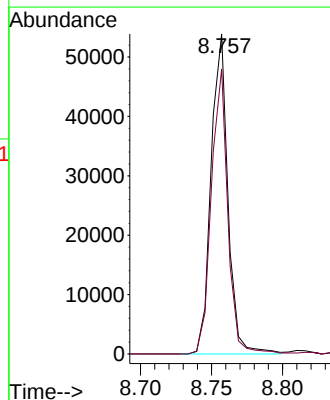
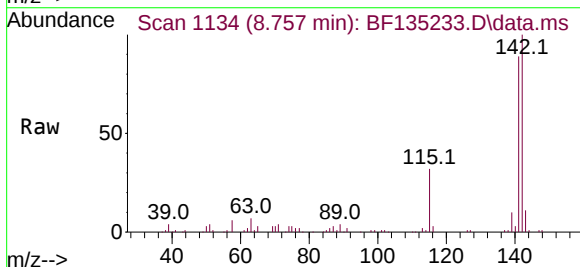
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

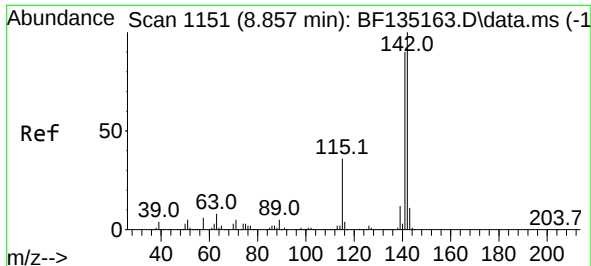
Tgt Ion:	127	Resp:	16994
Ion	Ratio	Lower	Upper
127	100		
129	86.0	25.8	38.8#
65	0.0	26.6	39.8#
92	0.0	15.4	23.2#



#37
2-Methylnaphthalene
Concen: 3.777 ng
RT: 8.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion:	142	Resp:	44445
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.0	106.6





#38

1-Methylnaphthalene

Concen: 2.732 ng

RT: 8.851 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

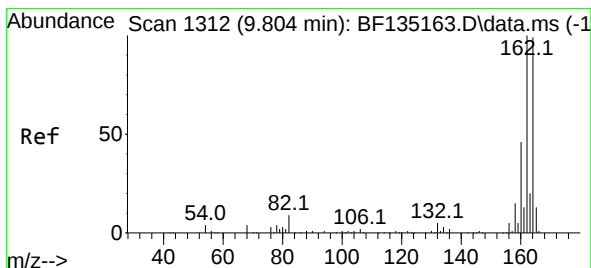
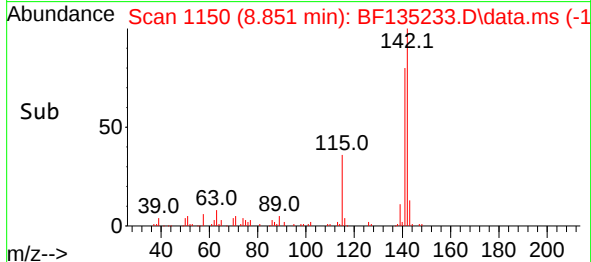
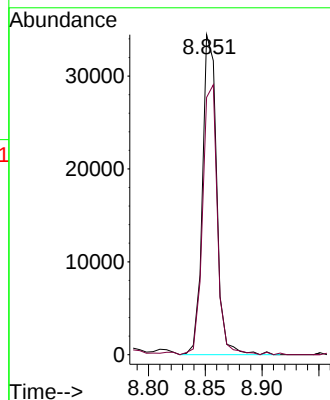
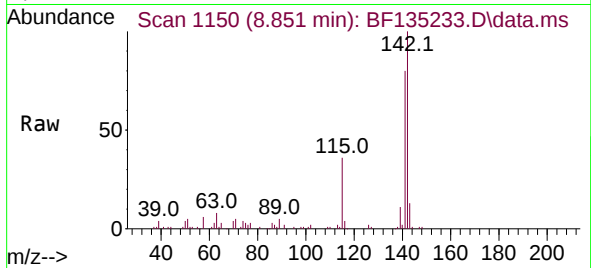
SB-02-COMPDL

Tgt Ion:142 Resp: 30102

Ion Ratio Lower Upper

142 100

141 80.4 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: BF135233.D

Acq: 13 Sep 2023 20:54

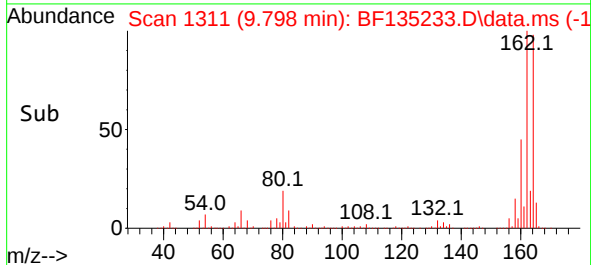
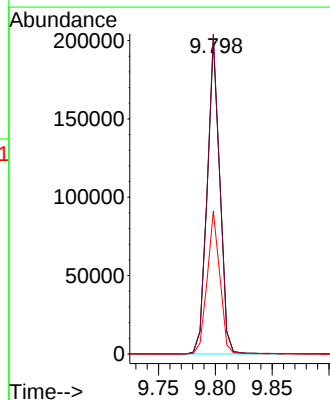
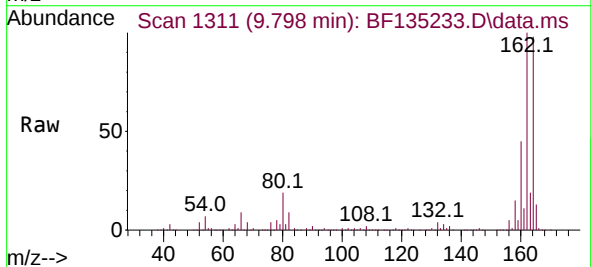
Tgt Ion:164 Resp: 154986

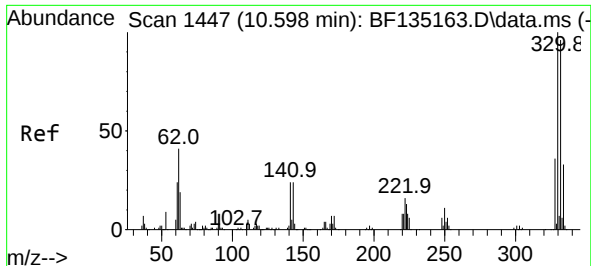
Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.4

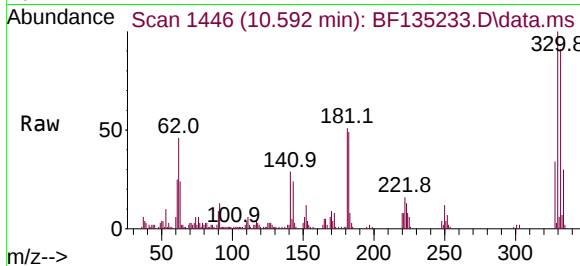
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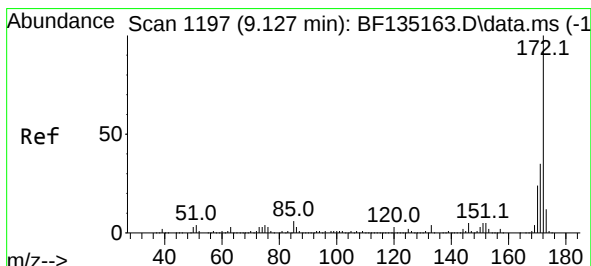
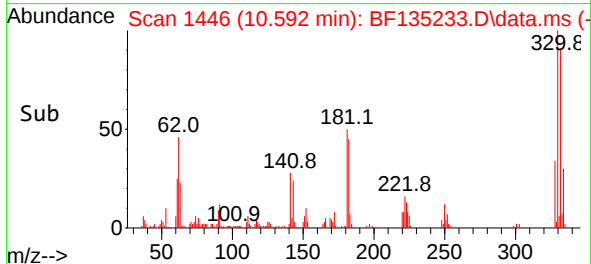
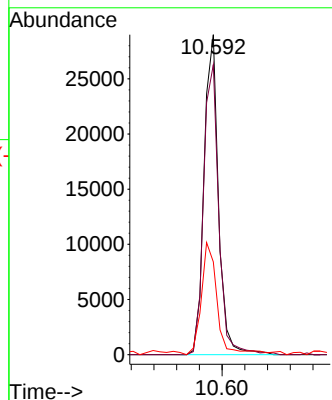


#42
2,4,6-Tribromophenol
Concen: 16.552 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

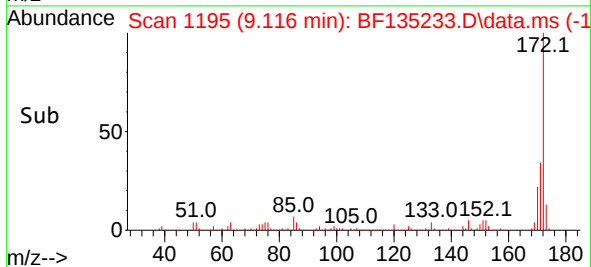
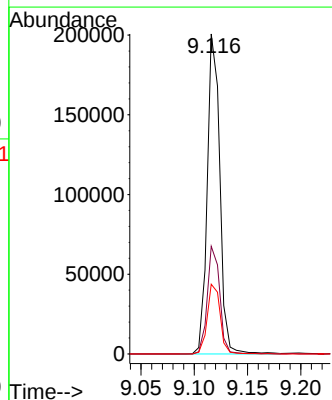
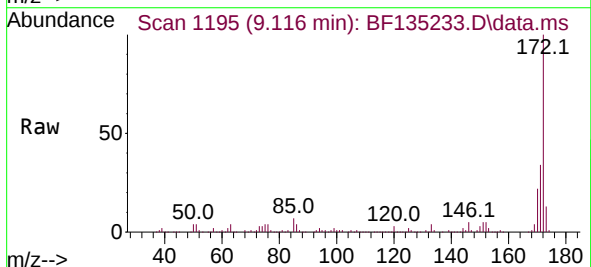


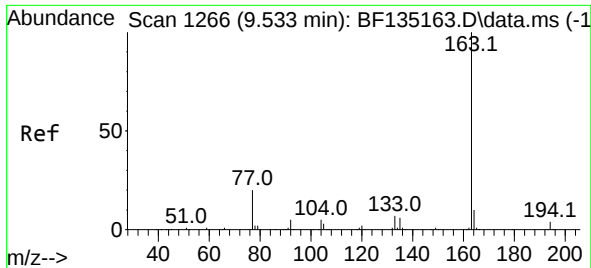
Tgt Ion: 330 Resp: 25493
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 39.0 25.8 38.8#



#45
2-Fluorobiphenyl
Concen: 16.094 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion: 172 Resp: 165327
Ion Ratio Lower Upper
172 100
171 33.6 28.4 42.6
170 21.8 19.0 28.4

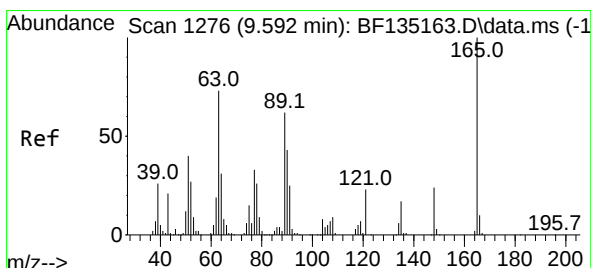
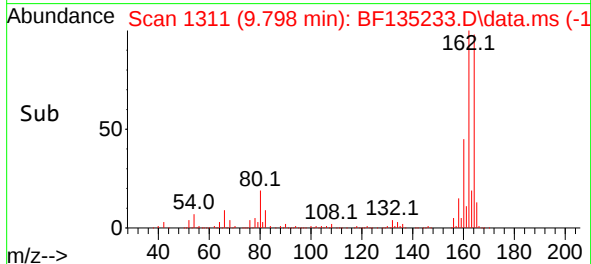
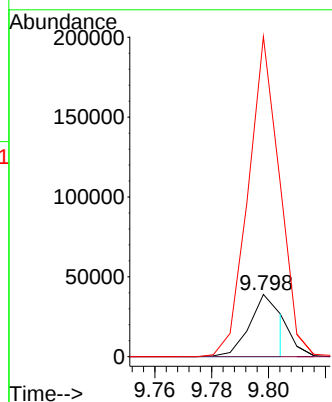
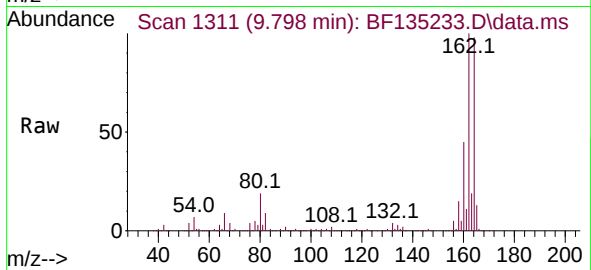




#50
Dimethylphthalate
Concen: 2.861 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.265 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

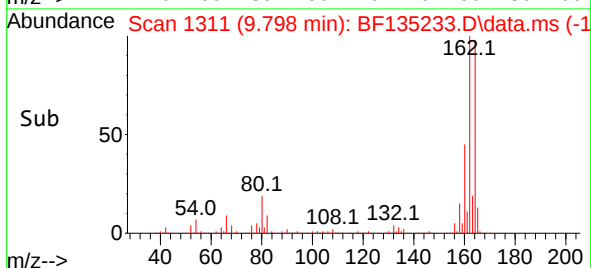
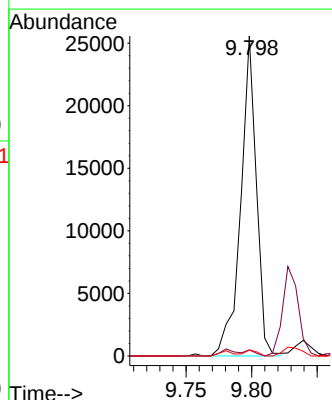
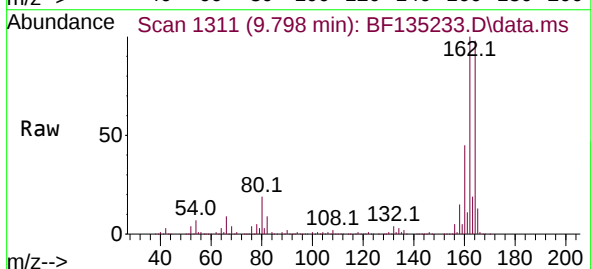
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

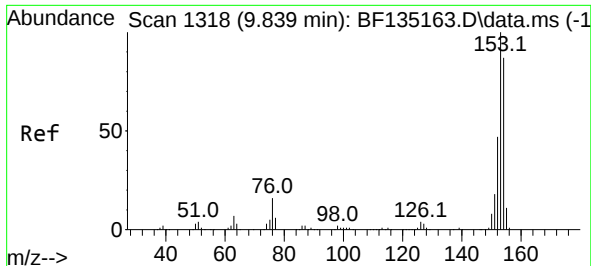
Tgt Ion:163 Resp: 29982
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 514.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.295 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.206 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion:165 Resp: 21336
Ion Ratio Lower Upper
165 100
63 1.9 59.4 89.2#
89 1.8 49.8 74.8#

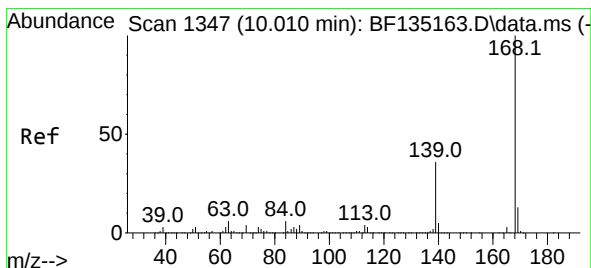
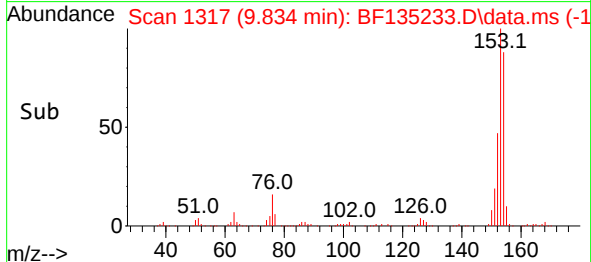
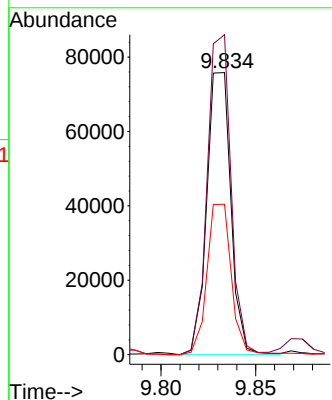
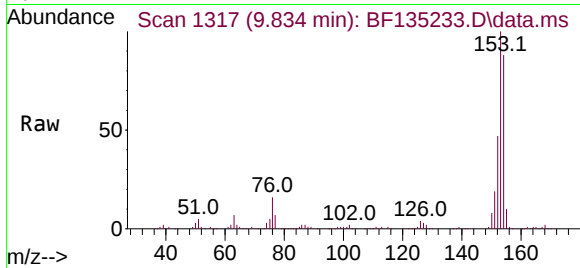




#52
Acenaphthene
Concen: 7.935 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.005 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

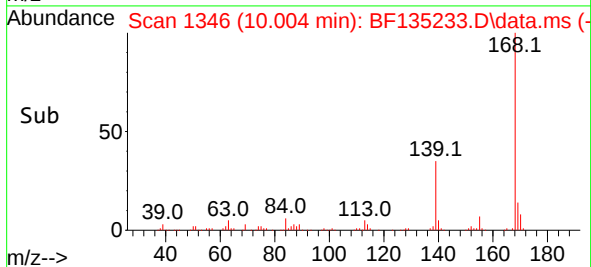
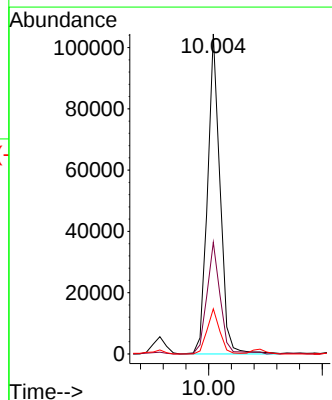
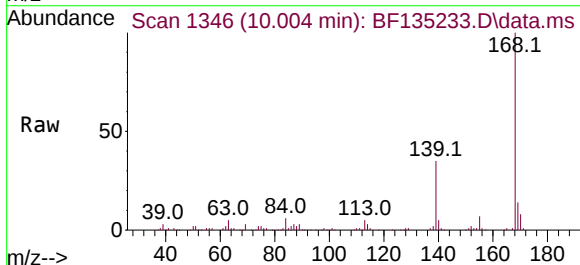
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

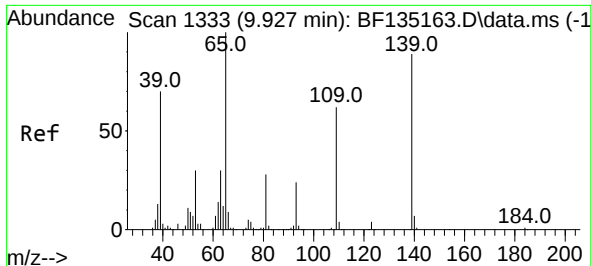
Tgt Ion:154 Resp: 67321
Ion Ratio Lower Upper
154 100
153 113.5 92.1 138.1
152 53.4 43.1 64.7



#55
Dibenzofuran
Concen: 6.155 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion:168 Resp: 79693
Ion Ratio Lower Upper
168 100
139 34.9 29.0 43.6
169 14.1 10.4 15.6

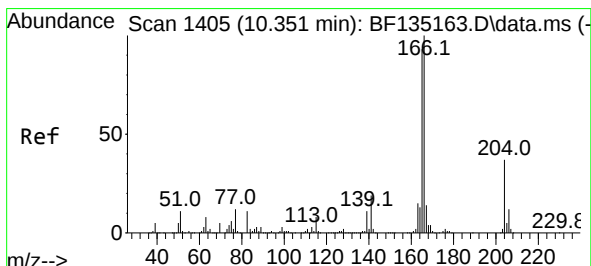
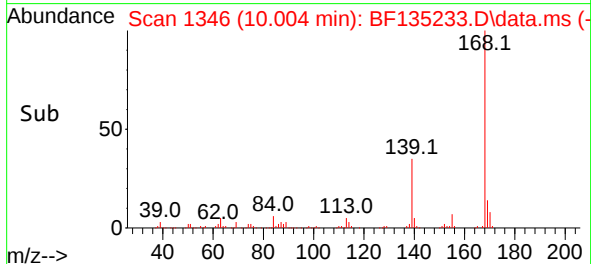
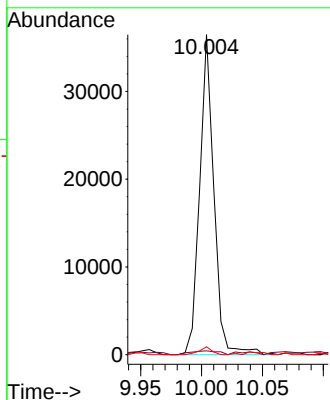
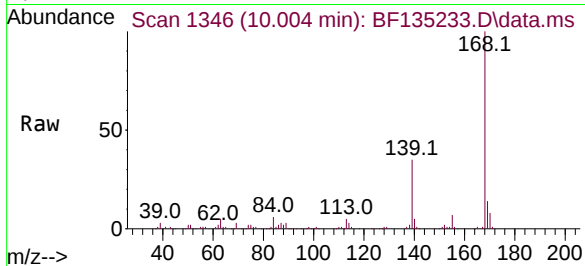




#56
4-Nitrophenol
Concen: 17.406 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

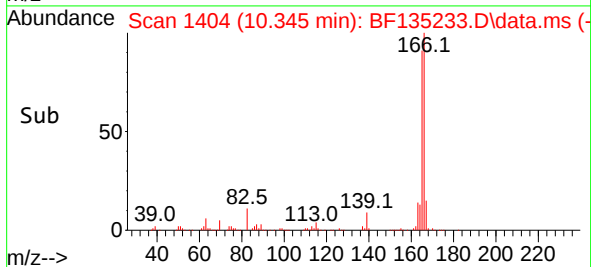
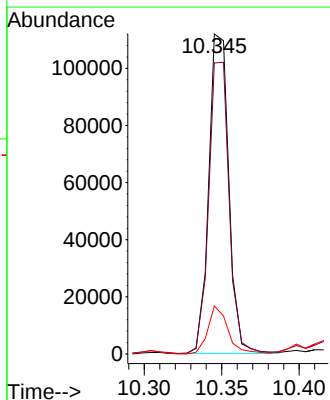
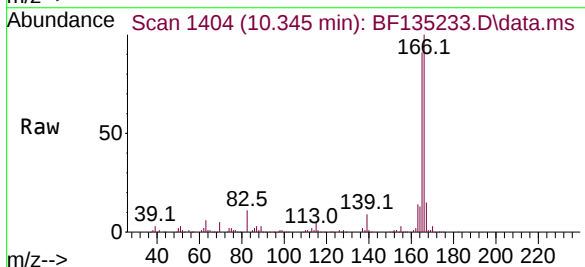
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

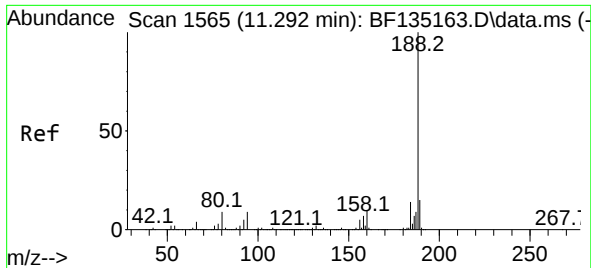
Tgt Ion:139 Resp: 29809
Ion Ratio Lower Upper
139 100
109 1.2 49.8 89.8#
65 2.5 92.7 132.7#



#58
Fluorene
Concen: 10.127 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion:166 Resp: 100792
Ion Ratio Lower Upper
166 100
165 91.0 74.3 111.5
167 15.0 10.9 16.3

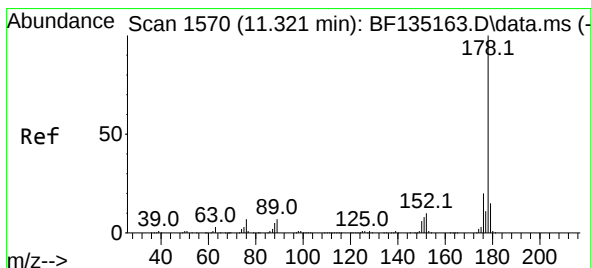
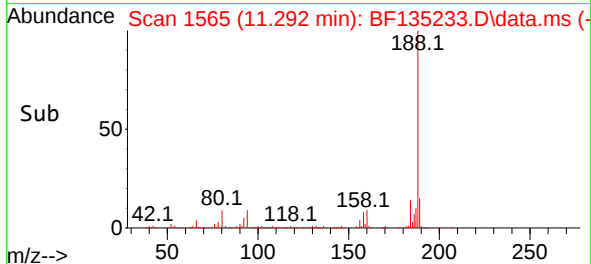
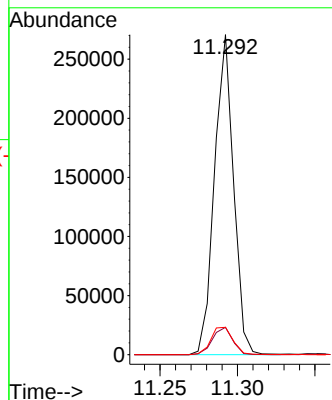
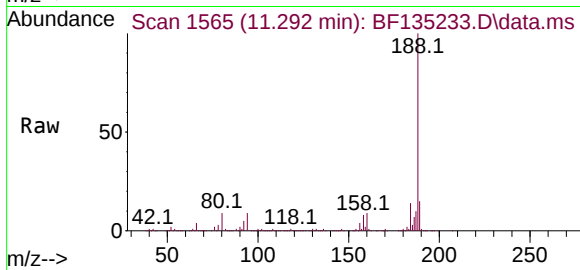




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

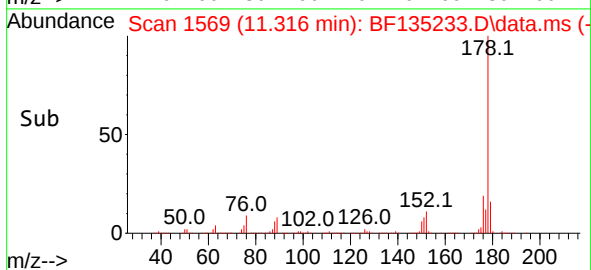
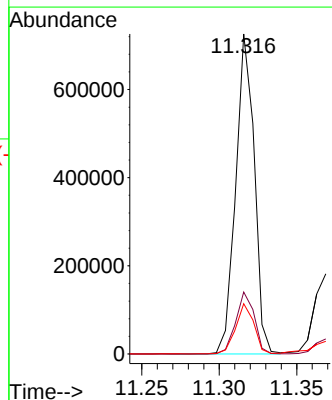
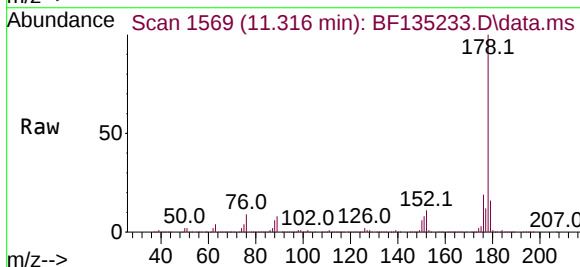
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

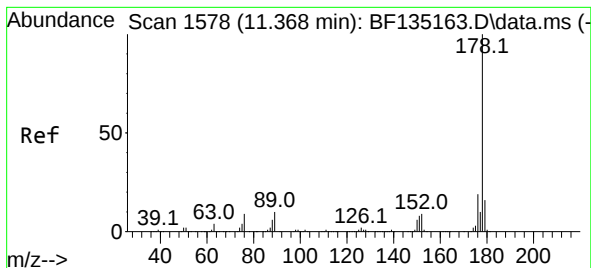
Tgt Ion:188 Resp: 231157
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.6
80 8.6 7.5 11.3



#71
Phenanthrene
Concen: 55.350 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion:178 Resp: 605125
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.7 12.0 18.0





#72

Anthracene

Concen: 13.343 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

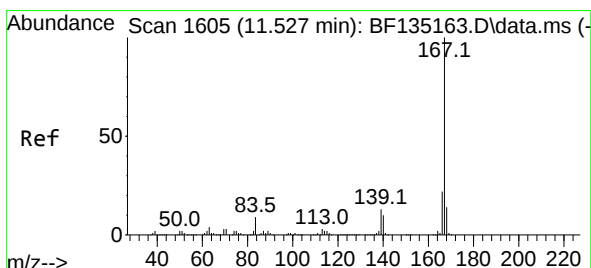
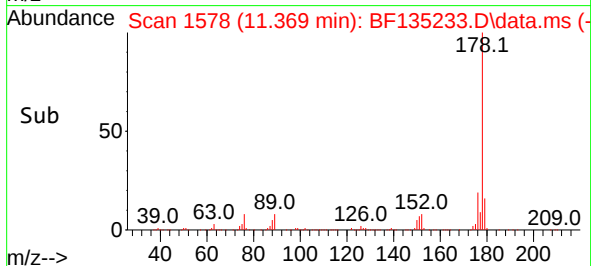
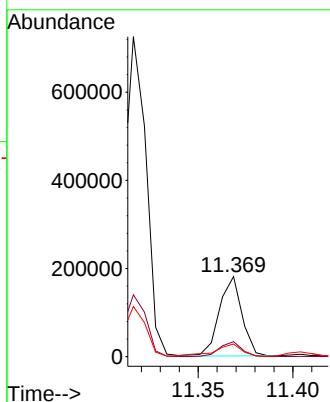
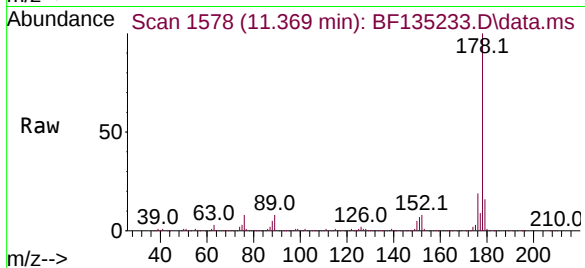
Tgt Ion:178 Resp: 149939

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.8 12.6 19.0



#73

Carbazole

Concen: 3.829 ng

RT: 11.528 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

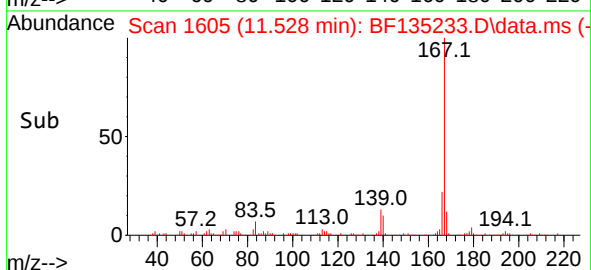
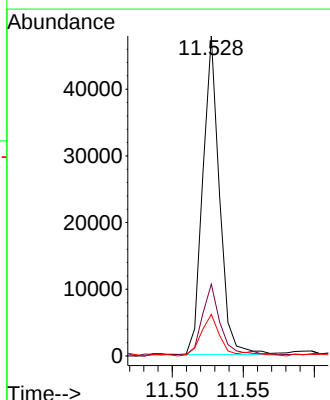
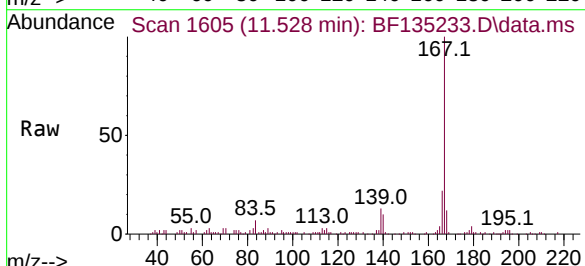
Tgt Ion:167 Resp: 39170

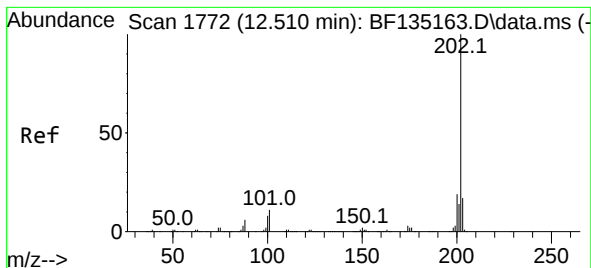
Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.0

139 13.0 10.6 15.8





#75

Fluoranthene

Concen: 34.723 ng

RT: 12.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

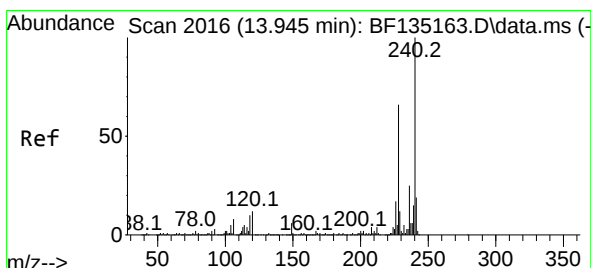
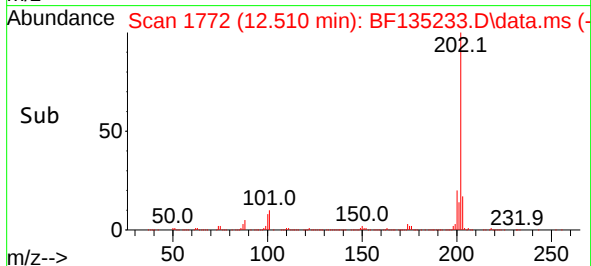
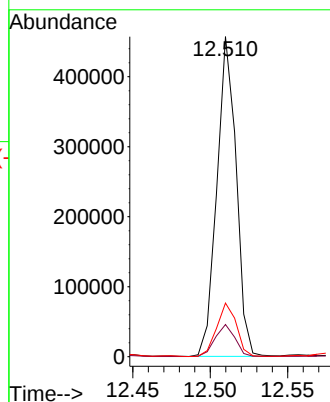
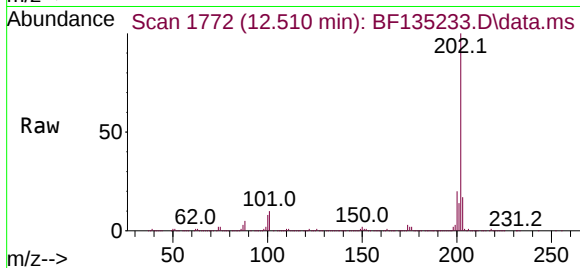
Tgt Ion:202 Resp: 395561

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.3

203 16.8 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

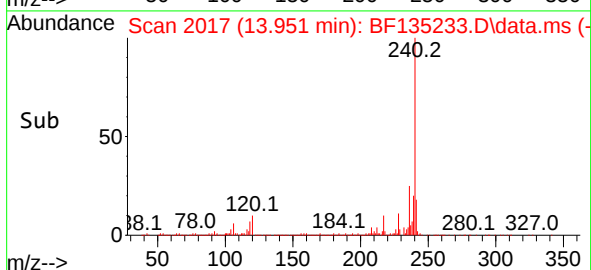
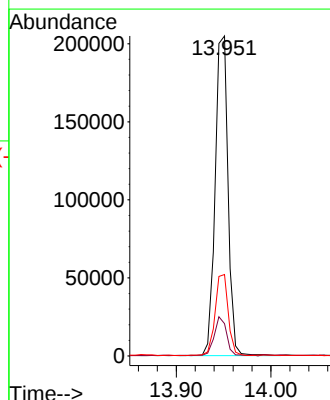
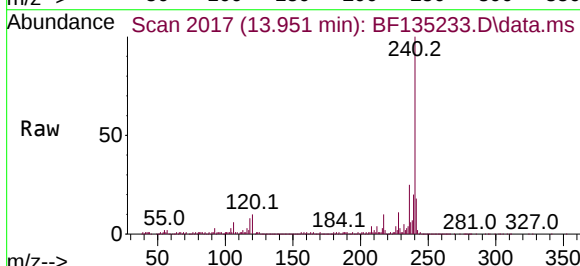
Tgt Ion:240 Resp: 193120

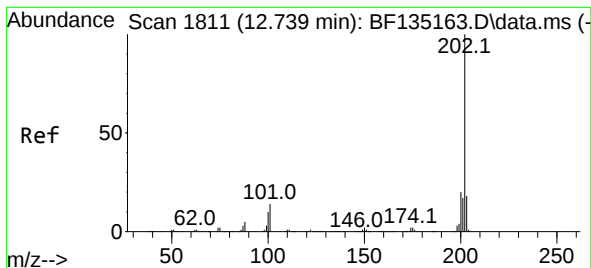
Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.2

236 25.5 19.8 29.8





#78

Pyrene

Concen: 22.415 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

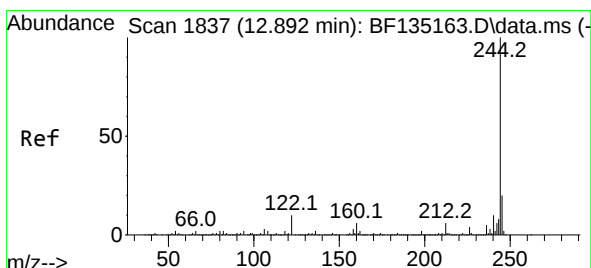
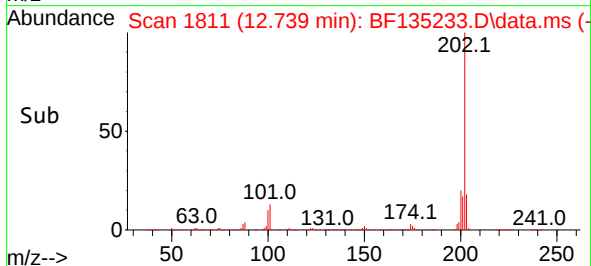
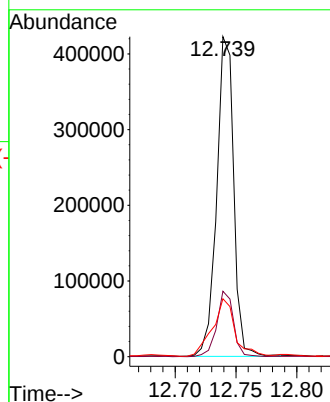
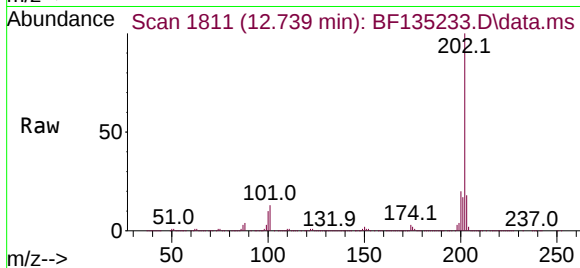
Tgt Ion:202 Resp: 412133

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 9.594 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

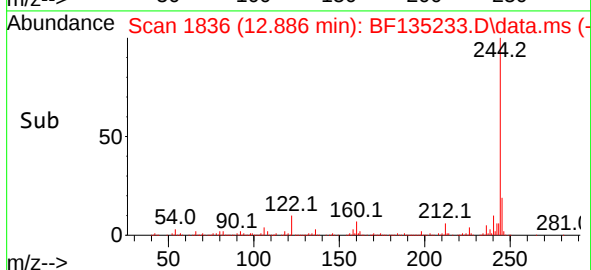
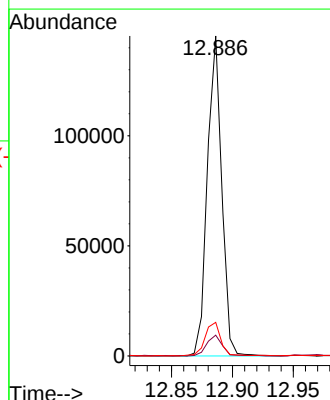
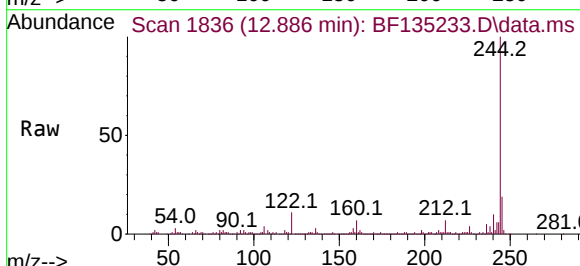
Tgt Ion:244 Resp: 119521

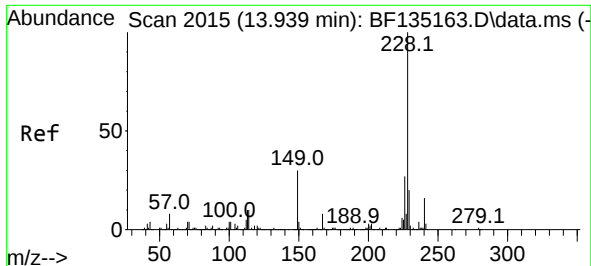
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.5 7.9 11.9

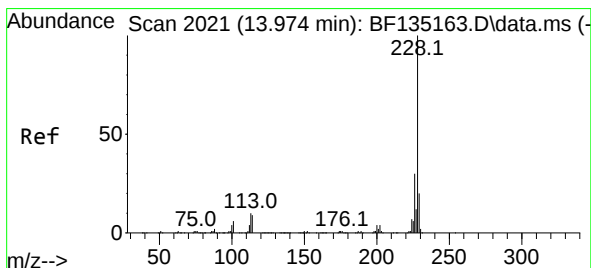
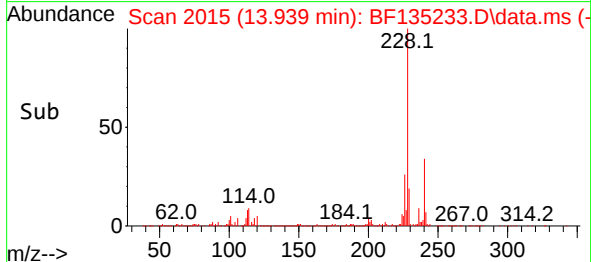
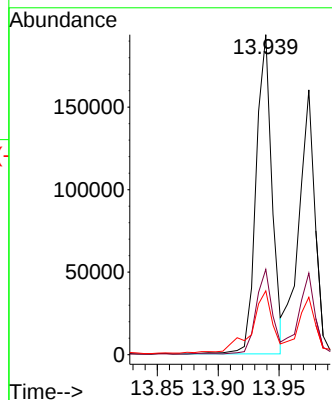
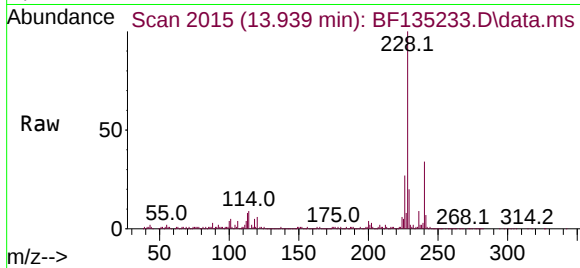




#81
Benzo(a)anthracene
Concen: 14.086 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

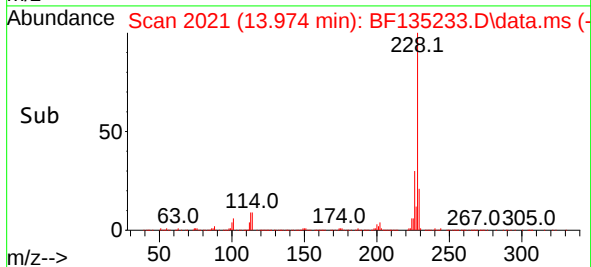
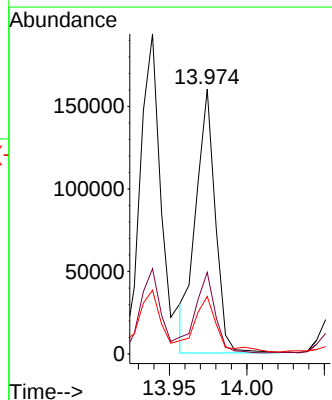
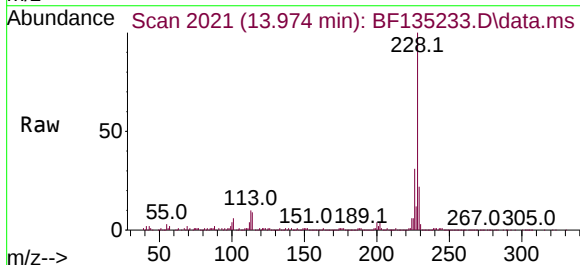
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

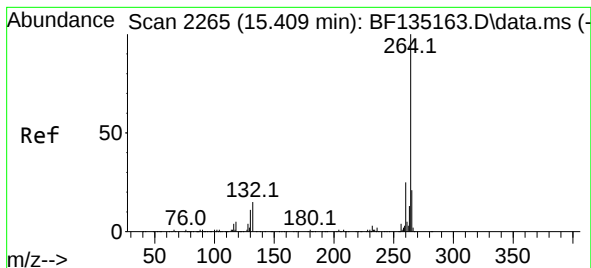
Tgt Ion:228 Resp: 175655
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 20.0 15.8 23.8



#83
Chrysene
Concen: 11.291 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135233.D
Acq: 13 Sep 2023 20:54

Tgt Ion:228 Resp: 139985
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 21.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

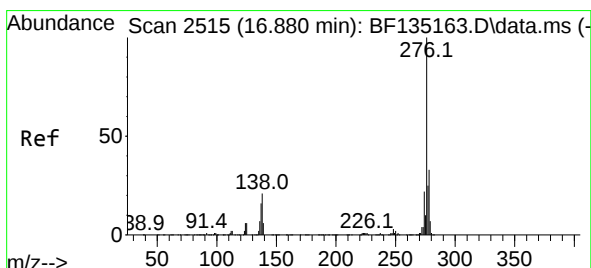
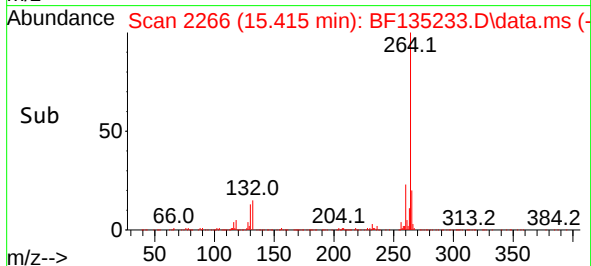
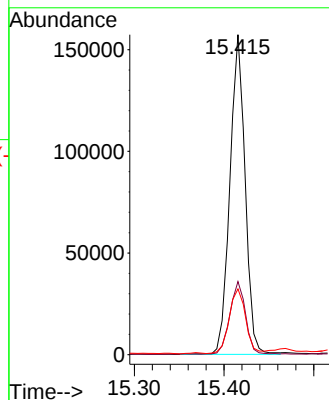
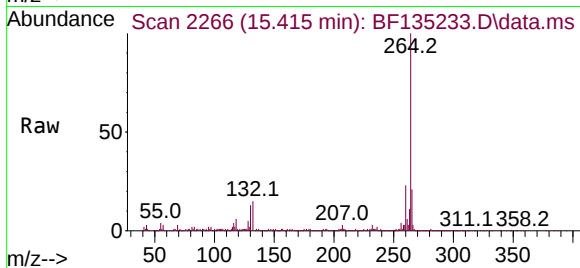
Tgt Ion:264 Resp: 185117

Ion Ratio Lower Upper

264 100

260 22.9 19.8 29.6

265 20.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.414 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

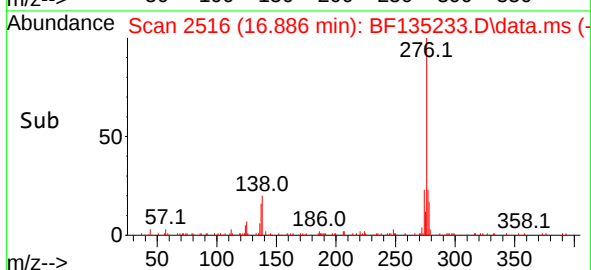
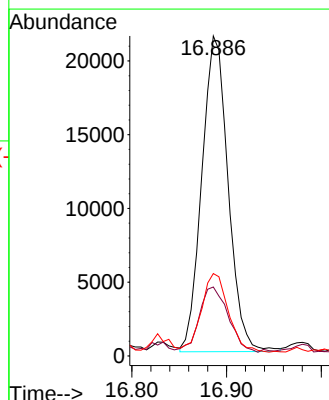
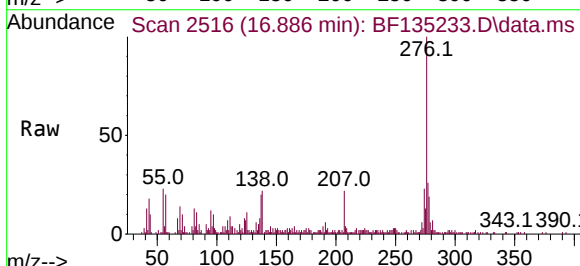
Tgt Ion:276 Resp: 41435

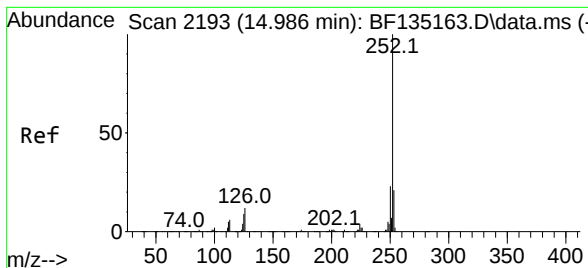
Ion Ratio Lower Upper

276 100

138 22.7 19.2 28.8

277 25.5 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 18.292 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

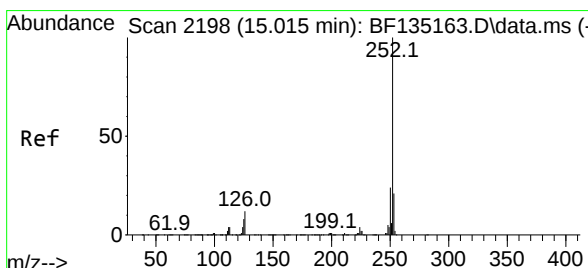
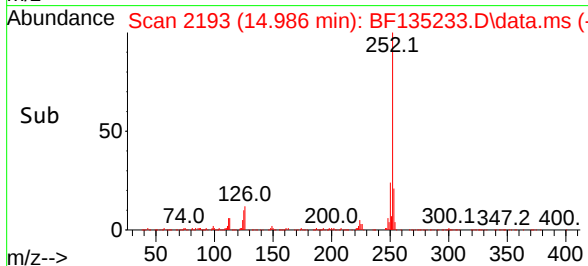
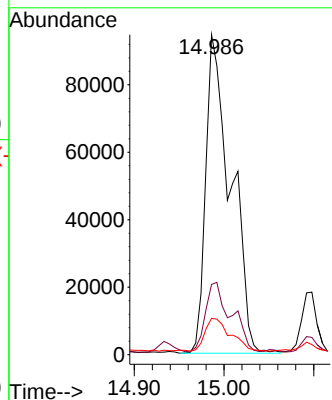
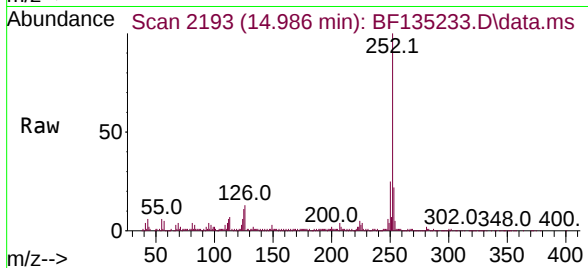
Tgt Ion:252 Resp: 183305

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 11.3 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 18.518 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

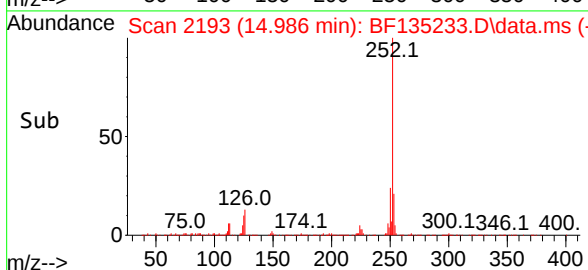
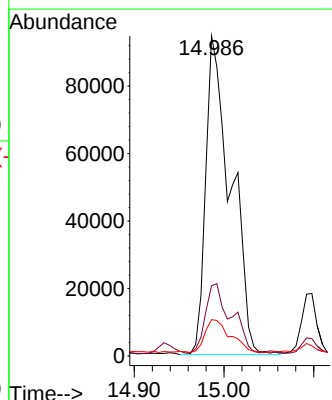
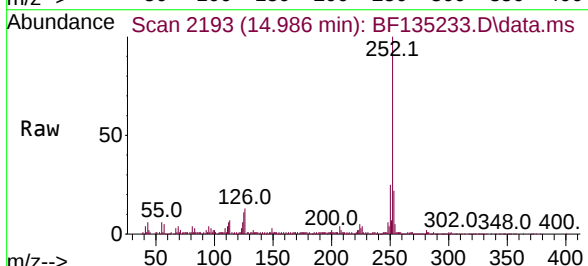
Tgt Ion:252 Resp: 183305

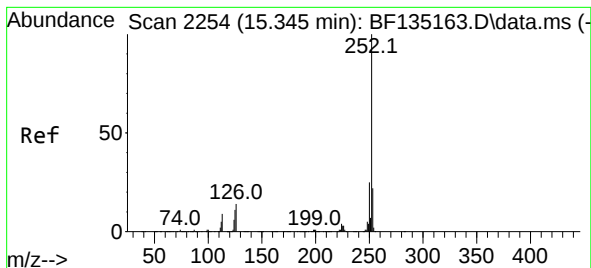
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 11.3 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 10.968 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

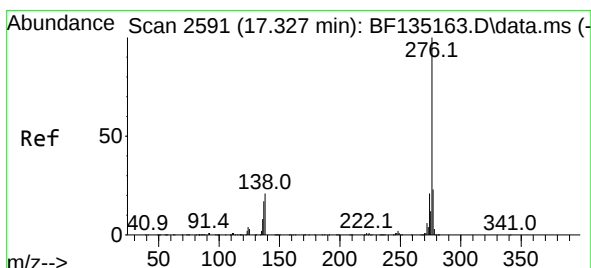
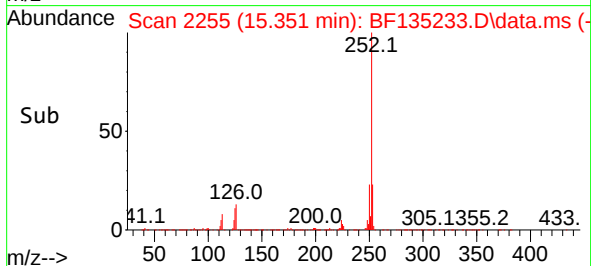
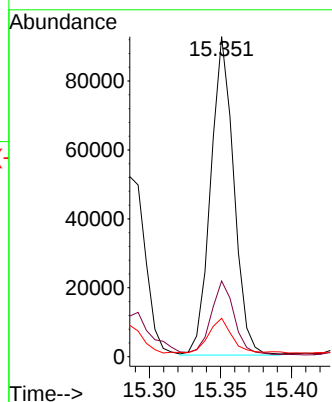
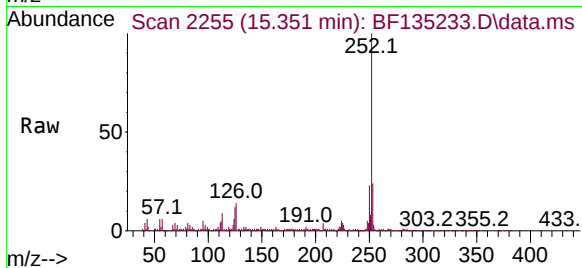
Tgt Ion:252 Resp: 104814

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 12.0 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 3.658 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF135233.D

Acq: 13 Sep 2023 20:54

Tgt Ion:276 Resp: 37941

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 22.0 16.9 25.3

