

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135318.D
 Acq On : 18 Sep 2023 21:19
 Operator : CG\JU
 Sample : 04451-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 00:16:52 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

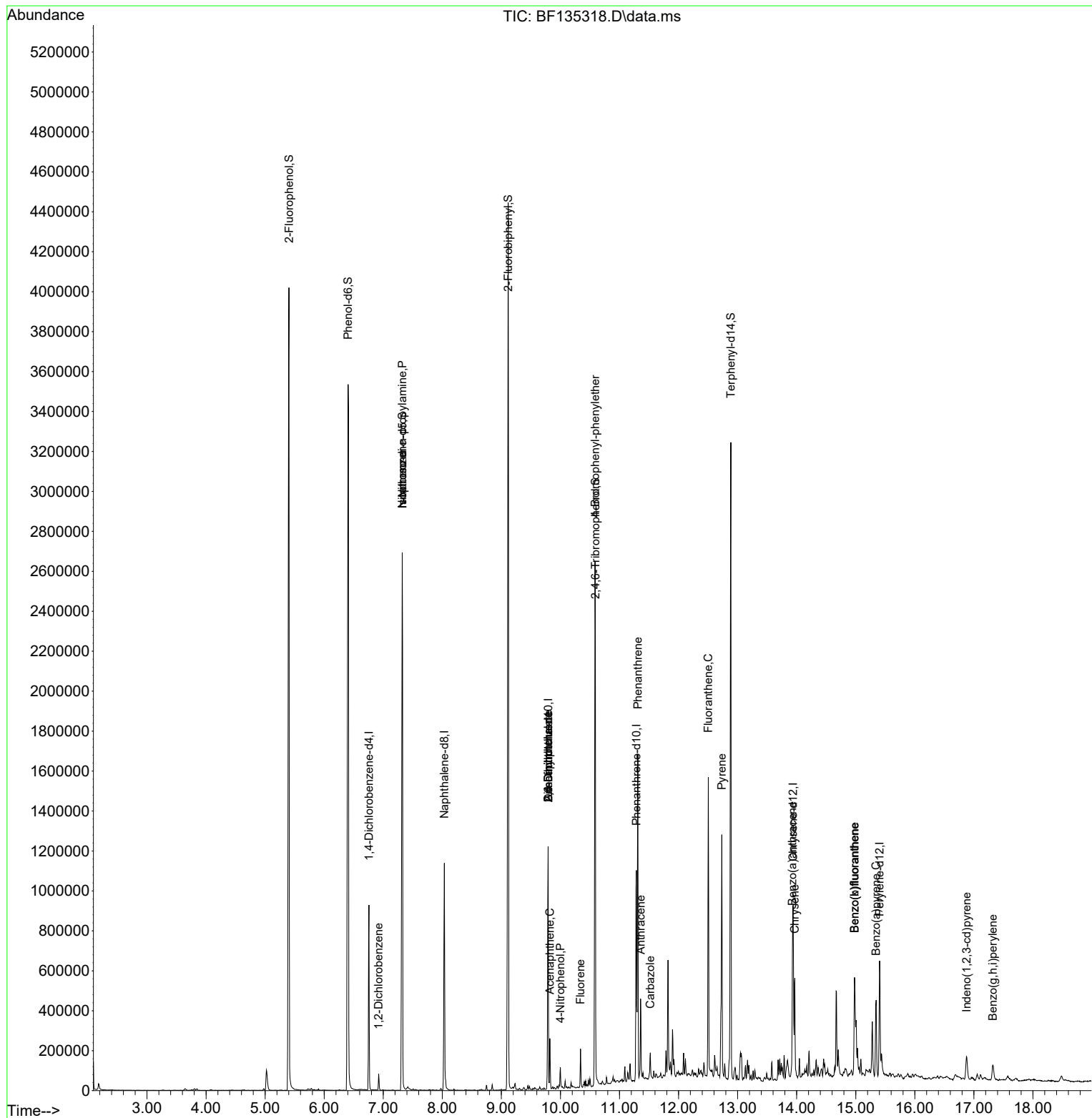
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	129222	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	491432	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	243849	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	409739	20.000	ng	0.00
76) Chrysene-d12	13.939	240	210177	20.000	ng	0.00
86) Perylene-d12	15.404	264	267396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1192136	150.048	ng	0.02
7) Phenol-d6	6.404	99	1511734	149.638	ng	0.00
23) Nitrobenzene-d5	7.322	82	985888	108.993	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	334193	137.910	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1636972	101.281	ng	-0.01
79) Terphenyl-d14	12.886	244	1140443	84.115	ng	0.00
Target Compounds						
						Qvalue
14) 1,2-Dichlorobenzene	6.922	146	16609	2.039	ng	99
19) n-Nitroso-di-n-propyla...	7.322	70	136429	21.802	ng	# 80
25) Isophorone	7.322	82	981017	59.063	ng	# 65
50) Dimethylphthalate	9.792	163	49397	2.996	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	31104	8.612	ng	# 17
52) Acenaphthene	9.822	154	49405	3.701	ng	98
56) 4-Nitrophenol	9.998	139	13515	5.016	ng	# 4
57) 2,4-Dinitrotoluene	9.792	165	31104	6.879	ng	# 18
58) Fluorene	10.339	166	47303	3.021	ng	97
67) 4-Bromophenyl-phenylether	10.586	248	21269	5.219	ng	# 1
71) Phenanthrene	11.310	178	561710	28.986	ng	100
72) Anthracene	11.357	178	149659	7.513	ng	98
73) Carbazole	11.522	167	50448	2.782	ng	98
75) Fluoranthene	12.504	202	582306	28.838	ng	99
78) Pyrene	12.733	202	476641	23.820	ng	99
81) Benzo(a)anthracene	13.927	228	233878	17.233	ng	99
83) Chrysene	13.968	228	209284	15.510	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	76107	4.341	ng	99
88) Benzo(b)fluoranthene	14.980	252	359836	24.859	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	359836	25.165	ng	# 96
90) Benzo(a)pyrene	15.345	252	180319	13.063	ng	98
92) Benzo(g,h,i)perylene	17.321	276	63810	4.259	ng	100

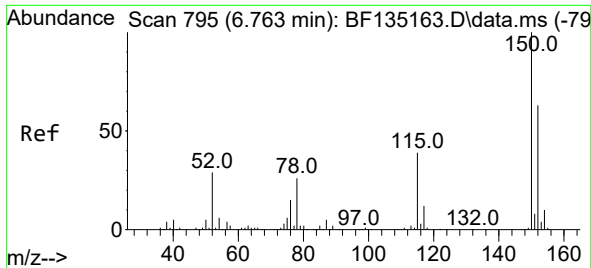
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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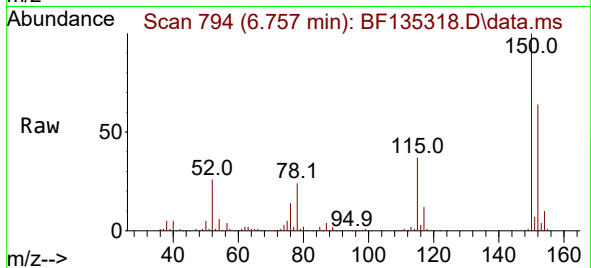
Quant Time: Sep 19 00:16:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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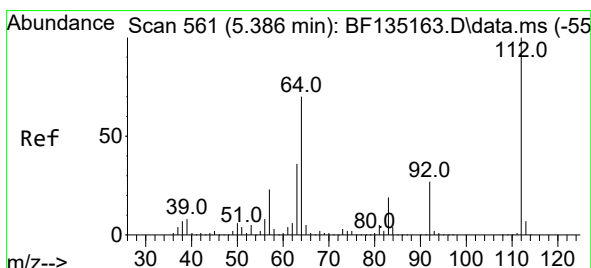
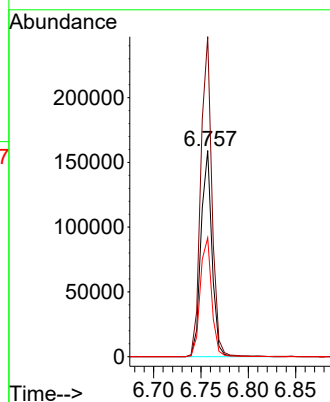
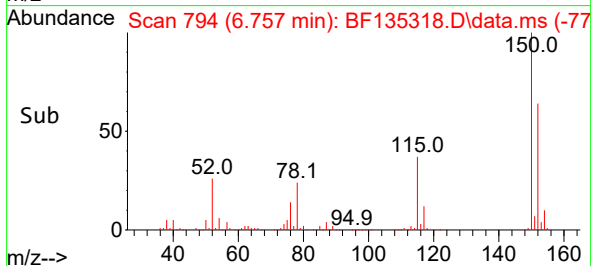


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

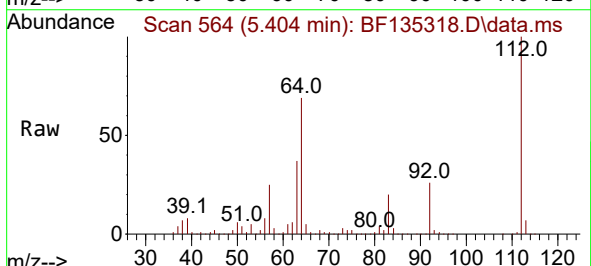
Instrument :
BNA_F
ClientSampleId :



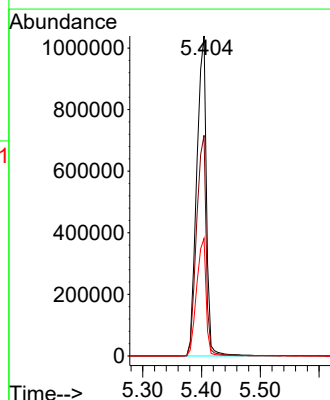
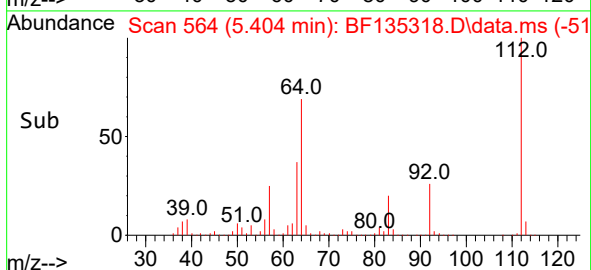
Tgt Ion:152 Resp: 129222
Ion Ratio Lower Upper
152 100
150 155.3 127.8 191.6
115 57.6 49.8 74.8

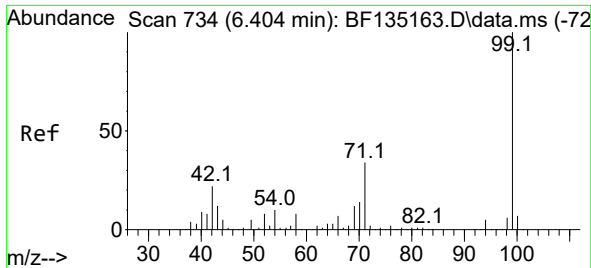


#5
2-Fluorophenol
Concen: 150.048 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19



Tgt Ion:112 Resp: 1192136
Ion Ratio Lower Upper
112 100
64 69.0 55.9 83.9
63 36.7 29.0 43.6





#7

Phenol-d6

Concen: 149.638 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

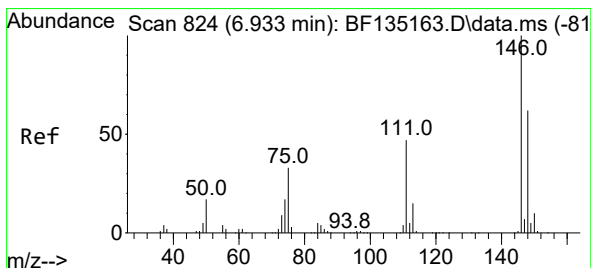
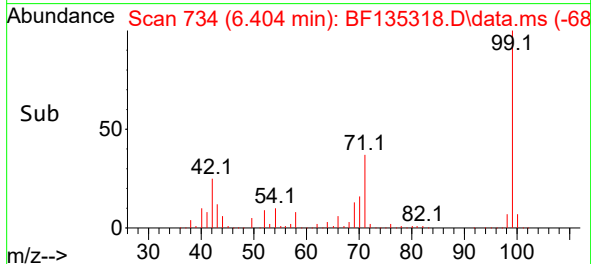
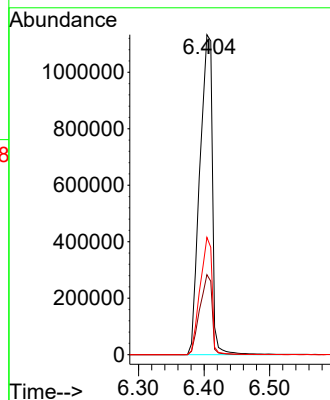
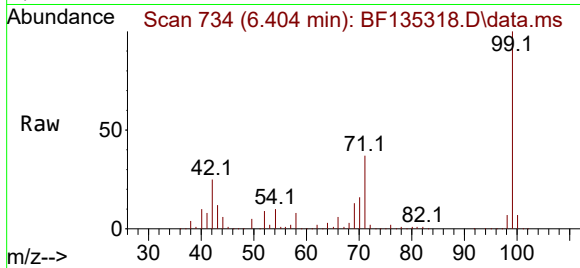
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 99 Resp: 1511734

Ion	Ratio	Lower	Upper
99	100		
42	25.0	17.9	26.9
71	36.7	27.0	40.6



#14

1,2-Dichlorobenzene

Concen: 2.039 ng

RT: 6.922 min Scan# 822

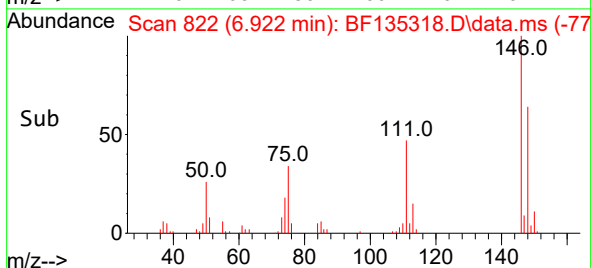
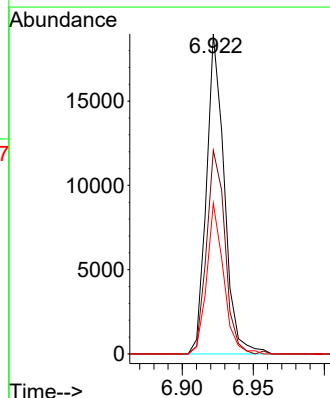
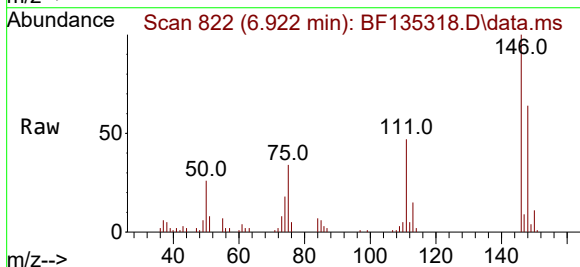
Delta R.T. -0.012 min

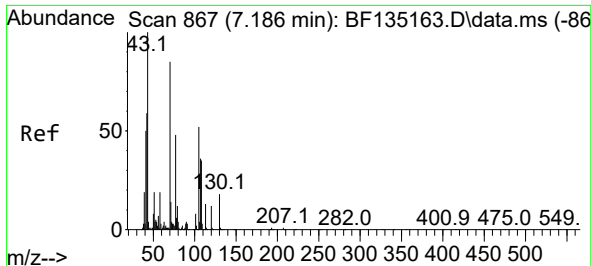
Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Tgt Ion: 146 Resp: 16609

Ion	Ratio	Lower	Upper
146	100		
148	63.6	49.7	74.5
111	47.1	37.4	56.2





#19

n-Nitroso-di-n-propylamine

Concen: 21.802 ng

RT: 7.322 min Scan# 89

Delta R.T. 0.135 min

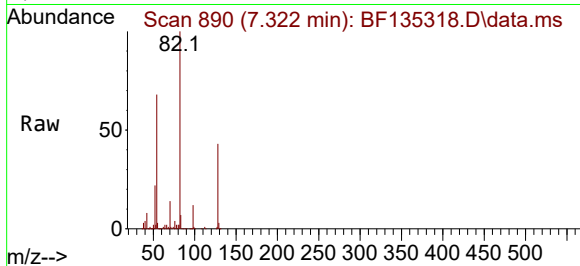
Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 70 Resp: 136429

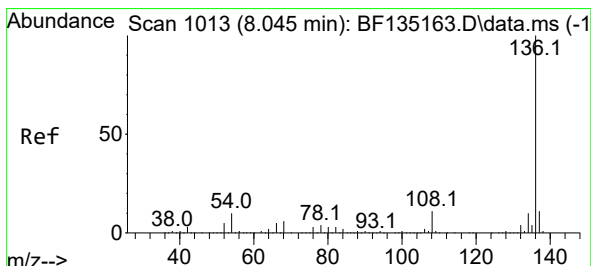
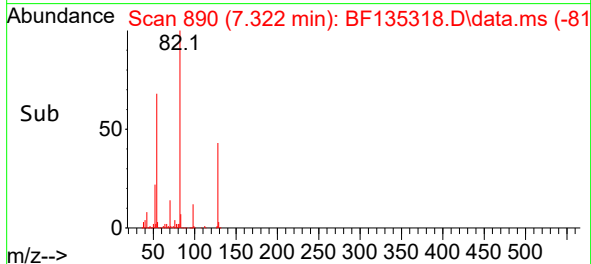
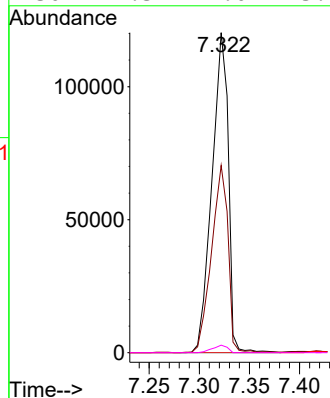
Ion Ratio Lower Upper

70 100

42 58.5 55.4 83.0

101 0.0 7.7 11.5#

130 2.3 17.0 25.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Tgt Ion: 136 Resp: 491432

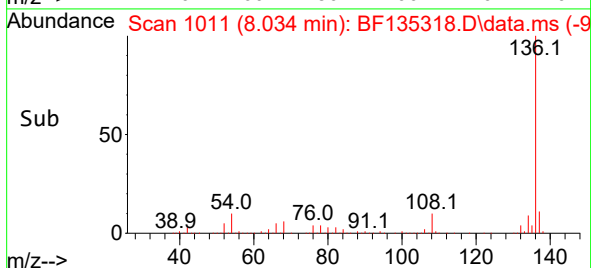
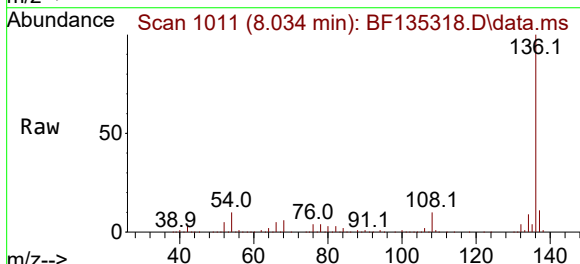
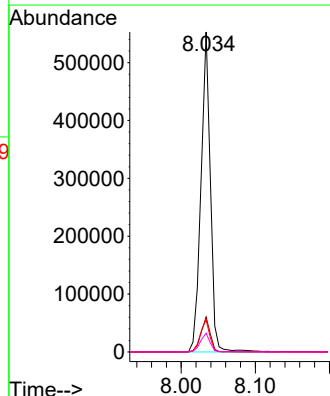
Ion Ratio Lower Upper

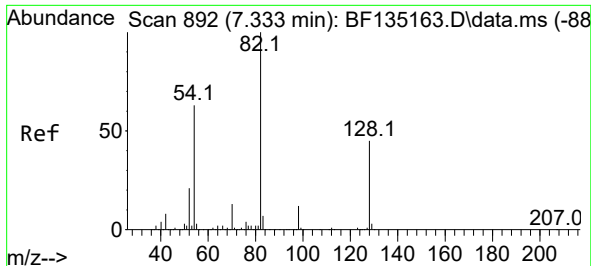
136 100

137 11.0 8.8 13.2

54 10.1 7.7 11.5

68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 108.993 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :

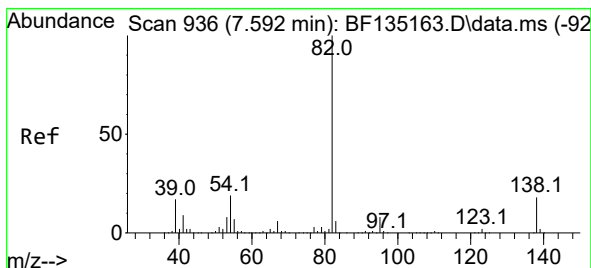
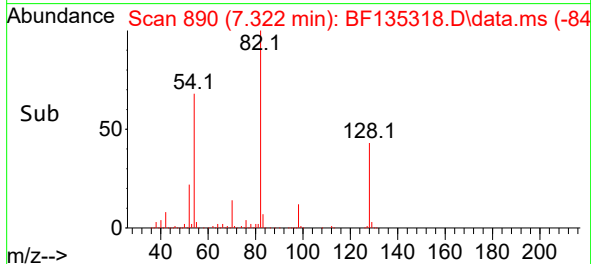
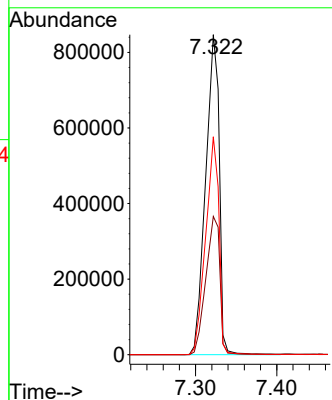
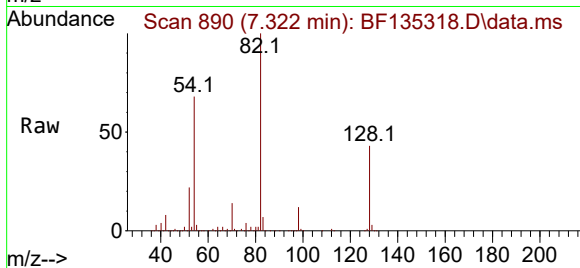
Tgt Ion: 82 Resp: 985888

Ion Ratio Lower Upper

82 100

128 43.2 35.8 53.6

54 68.1 50.6 76.0



#25

Isophorone

Concen: 59.063 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.270 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

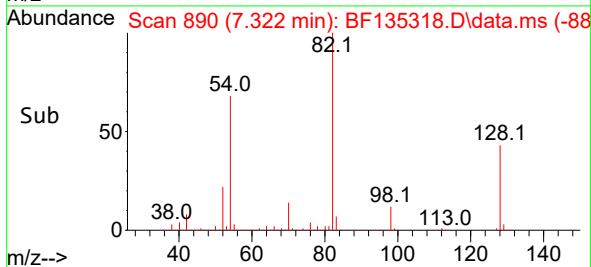
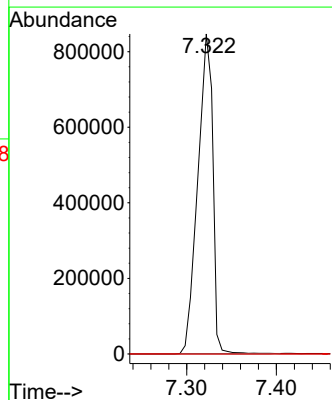
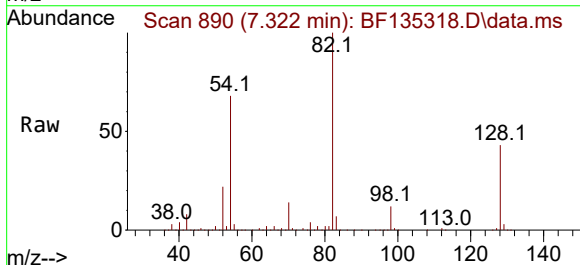
Tgt Ion: 82 Resp: 981017

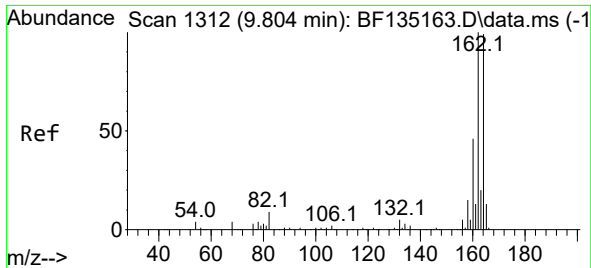
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

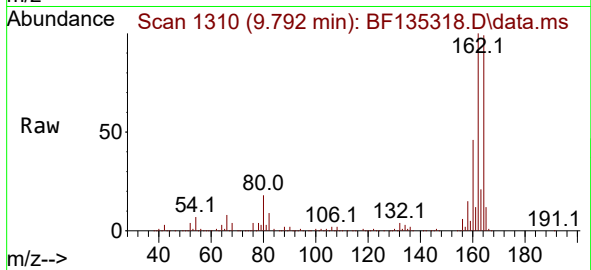
138 0.0 14.5 21.7#



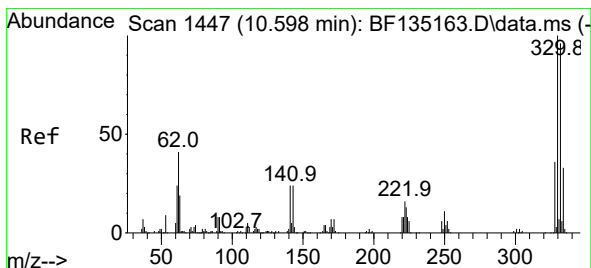
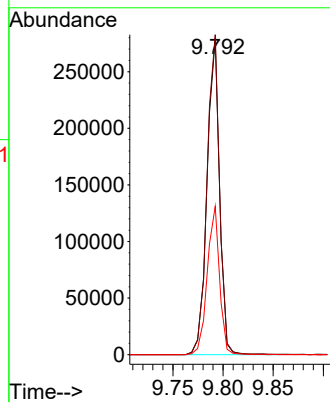
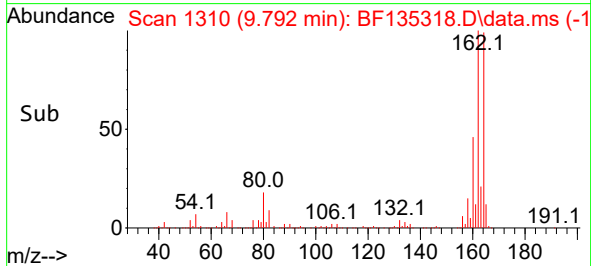


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

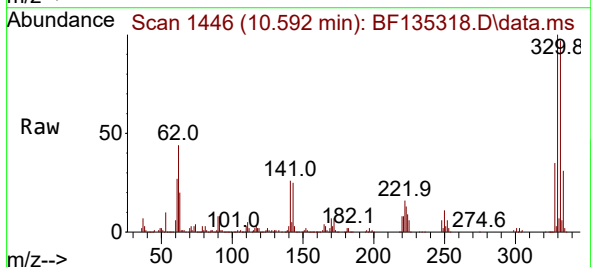
Instrument :
BNA_F
ClientSampleId :



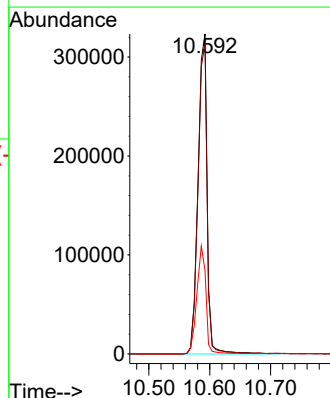
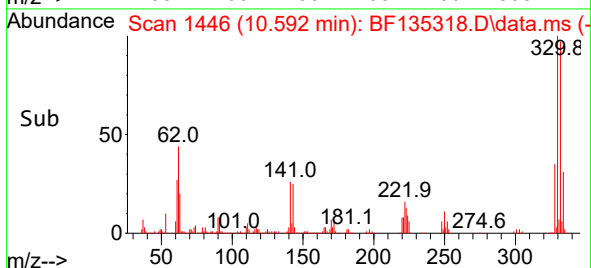
Tgt Ion:164 Resp: 243849
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 46.9 37.0 55.4

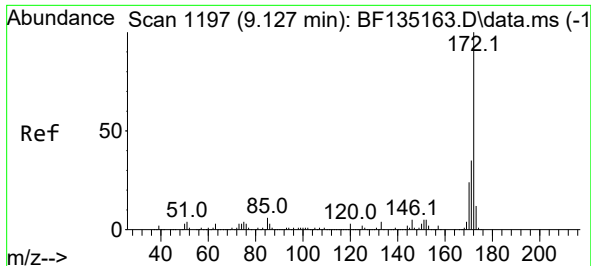


#42
2,4,6-Tribromophenol
Concen: 137.910 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19



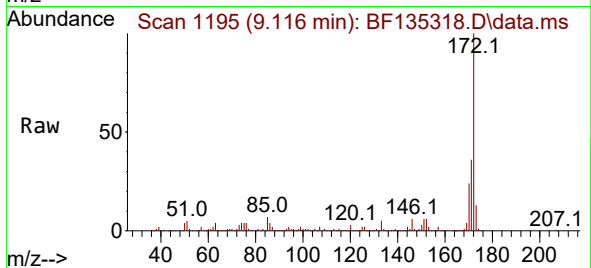
Tgt Ion:330 Resp: 334193
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 34.2 25.8 38.8





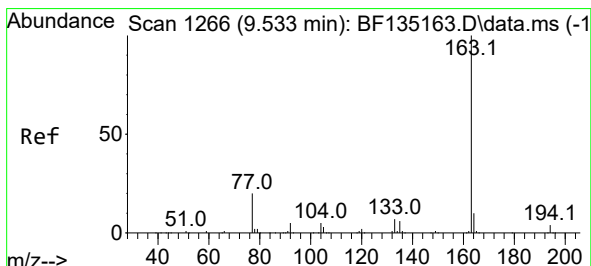
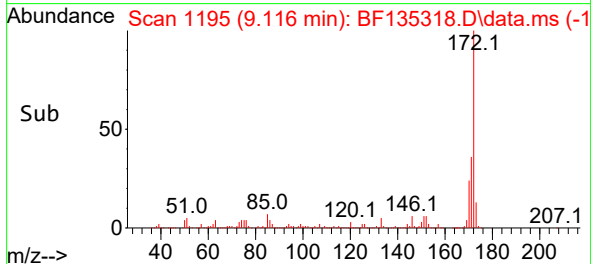
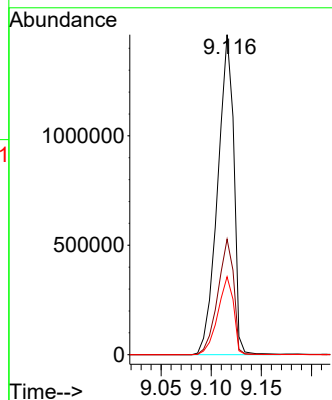
#45
2-Fluorobiphenyl
Concen: 101.281 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:172 Resp: 1636972

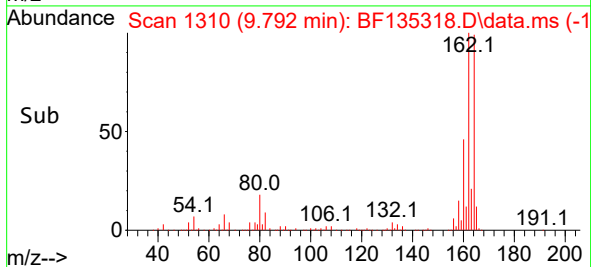
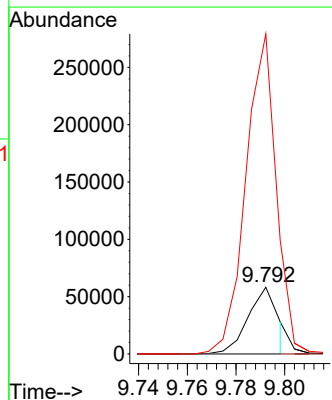
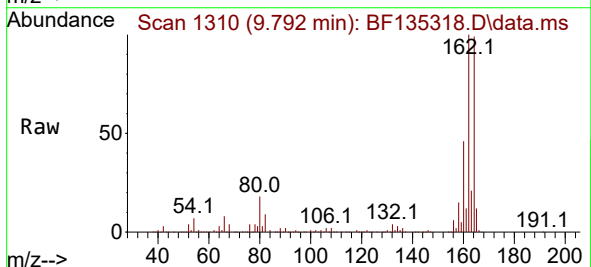
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.4	42.6
170	24.4	19.0	28.4

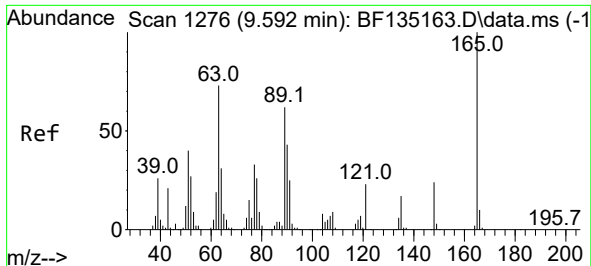


#50
Dimethylphthalate
Concen: 2.996 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:163 Resp: 49397

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.1	4.7#
164	479.6	8.1	12.1#

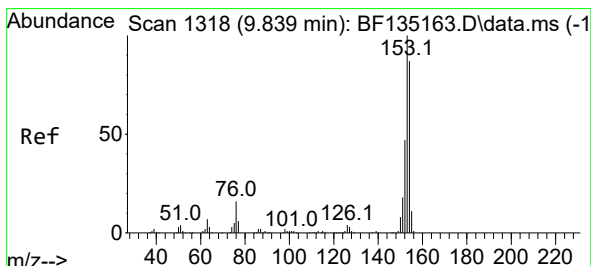
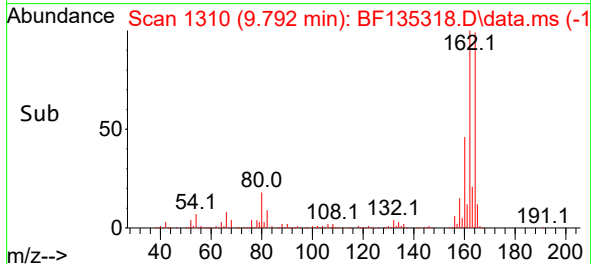
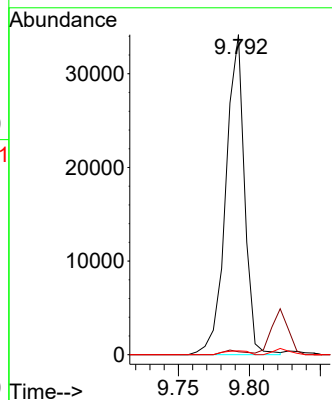
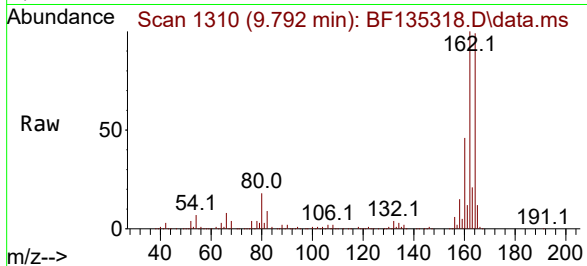




#51
2,6-Dinitrotoluene
Concen: 8.612 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

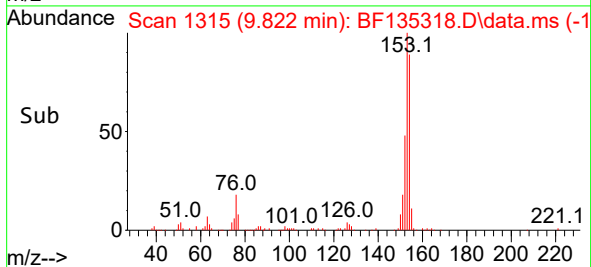
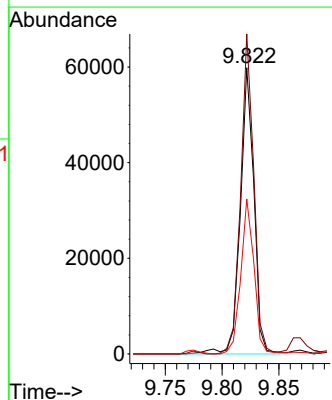
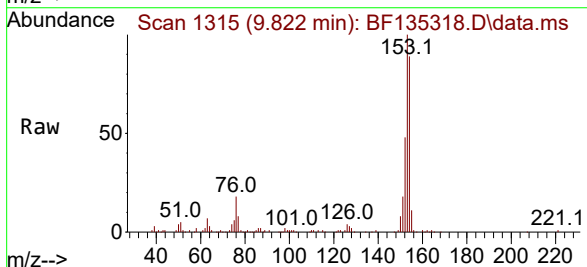
Instrument :
BNA_F
ClientSampleId :

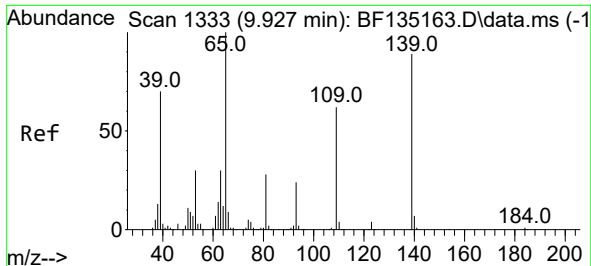
Tgt Ion:165 Resp: 31104
Ion Ratio Lower Upper
165 100
63 0.9 59.4 89.2#
89 1.2 49.8 74.8#



#52
Acenaphthene
Concen: 3.701 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.017 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

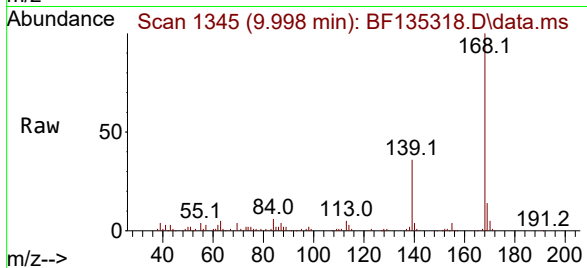
Tgt Ion:154 Resp: 49405
Ion Ratio Lower Upper
154 100
153 111.8 92.1 138.1
152 54.2 43.1 64.7



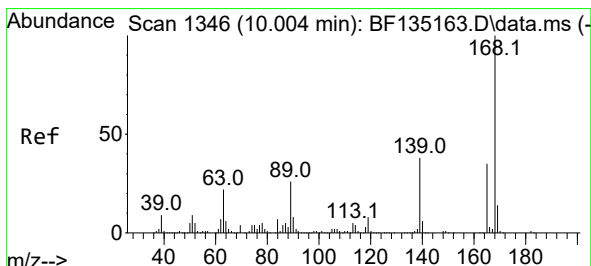
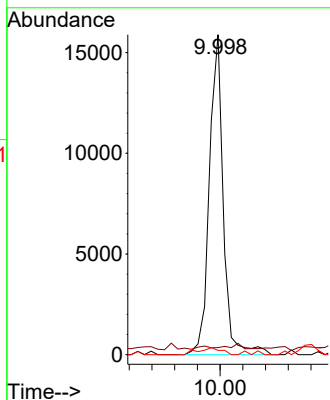
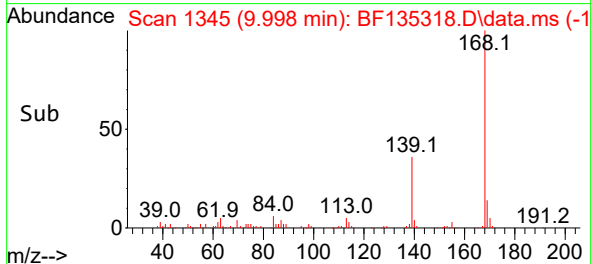


#56
4-Nitrophenol
Concen: 5.016 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.071 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

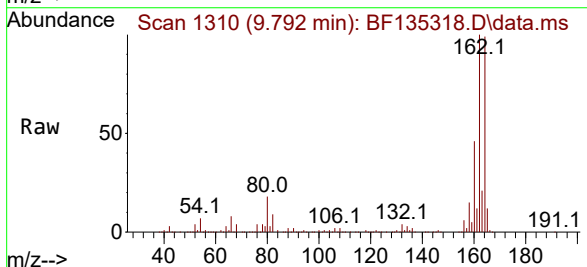
Instrument :
BNA_F
ClientSampleId :



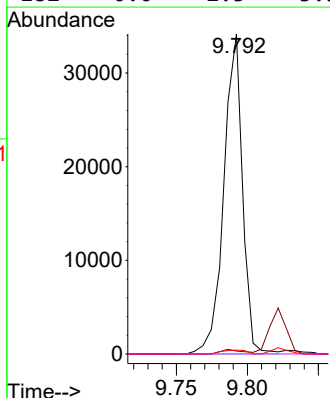
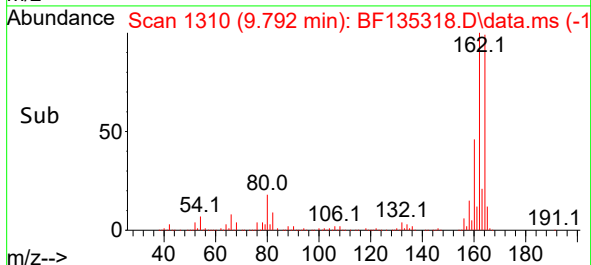
Tgt Ion:139 Resp: 13515
Ion Ratio Lower Upper
139 100
109 2.2 49.8 89.8#
65 1.3 92.7 132.7#

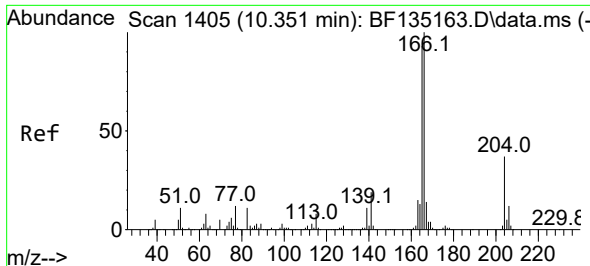


#57
2,4-Dinitrotoluene
Concen: 6.879 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.212 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19



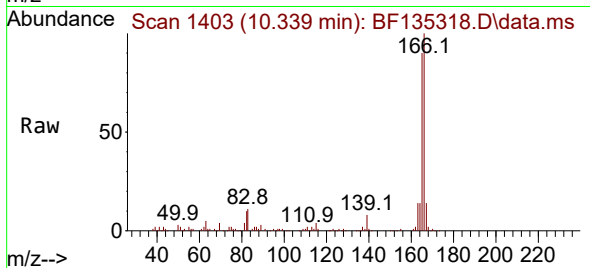
Tgt Ion:165 Resp: 31104
Ion Ratio Lower Upper
165 100
63 0.9 50.1 75.1#
89 1.2 59.3 88.9#
182 0.0 2.3 3.5#



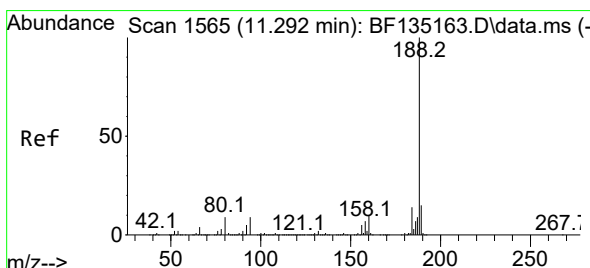
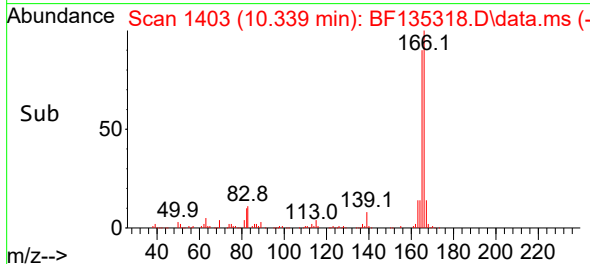
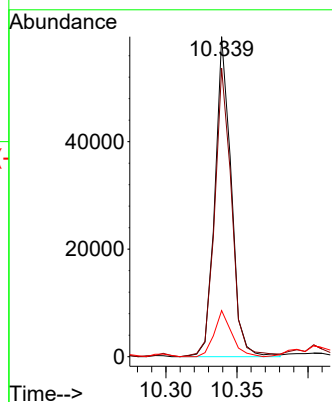


#58
Fluorene
Concen: 3.021 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Instrument :
BNA_F
ClientSampleId :

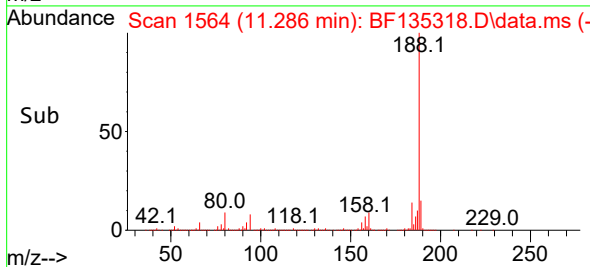
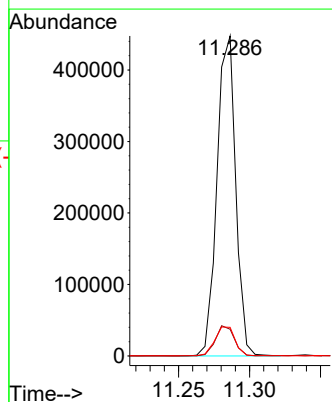
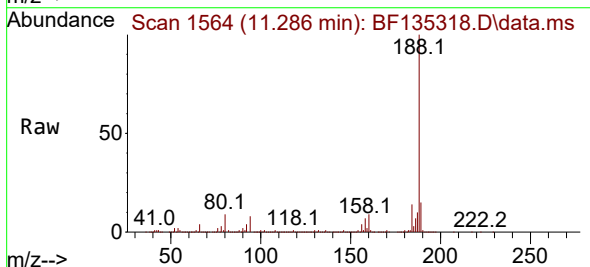


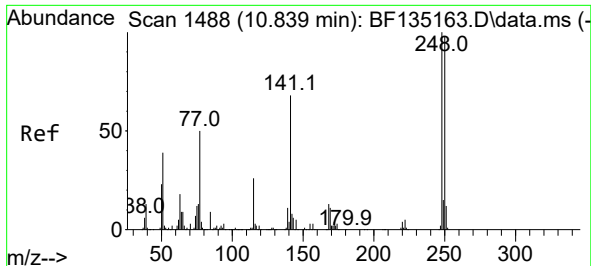
Tgt Ion:166 Resp: 47303
Ion Ratio Lower Upper
166 100
165 90.2 74.3 111.5
167 14.4 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:188 Resp: 409739
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.6
80 9.0 7.5 11.3





#67

4-Bromophenyl-phenylether

Concen: 5.219 ng

RT: 10.586 min Scan# 1488

Delta R.T. -0.253 min

Lab File: BF135318.D

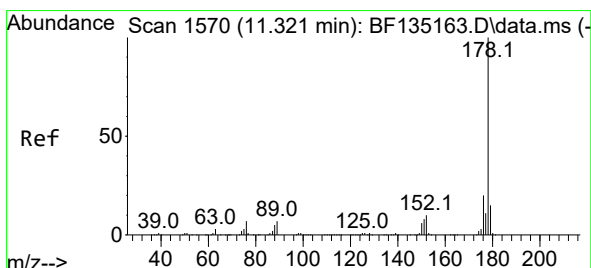
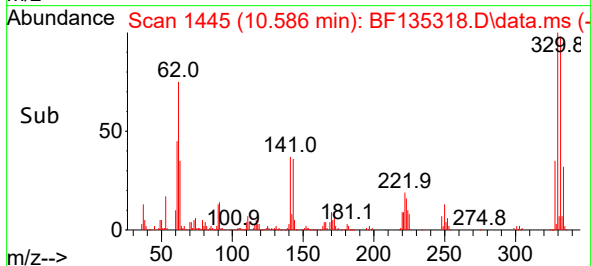
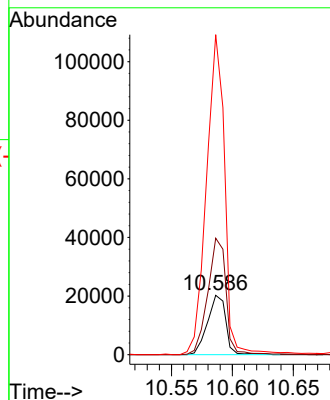
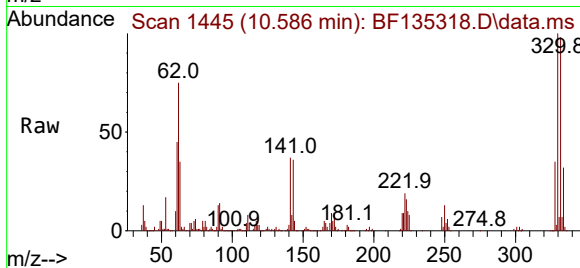
Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:248	Resp:	21269
Ion Ratio	Lower	Upper
248	100	
250	195.9	78.6 117.8#
141	538.5	54.2 81.2#



#71

Phenanthrene

Concen: 28.986 ng

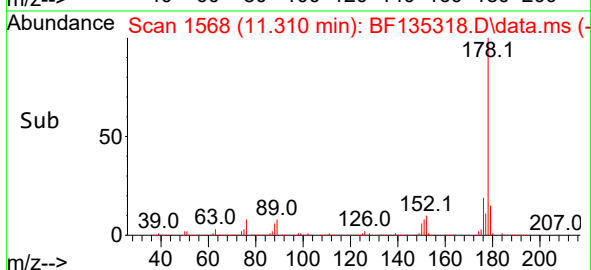
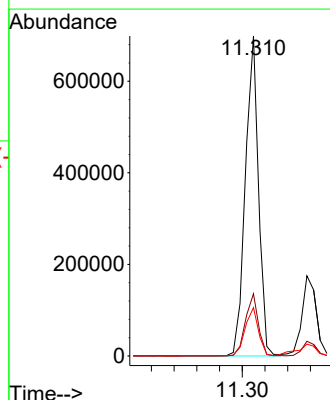
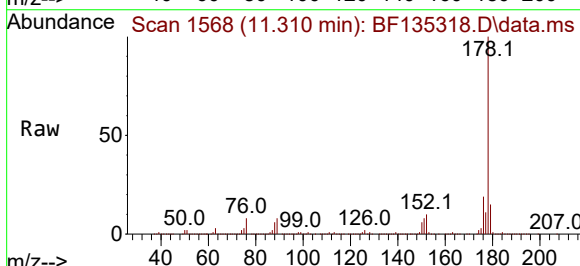
RT: 11.310 min Scan# 1568

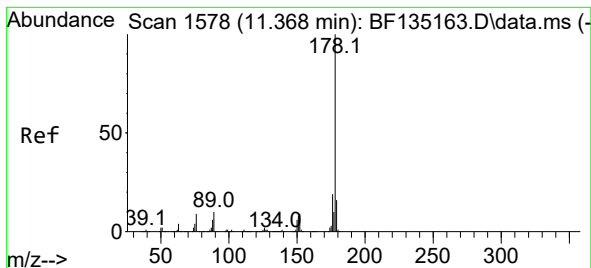
Delta R.T. -0.012 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Tgt Ion:178	Resp:	561710
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.6 23.4
179	15.1	12.0 18.0





#72

Anthracene

Concen: 7.513 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :

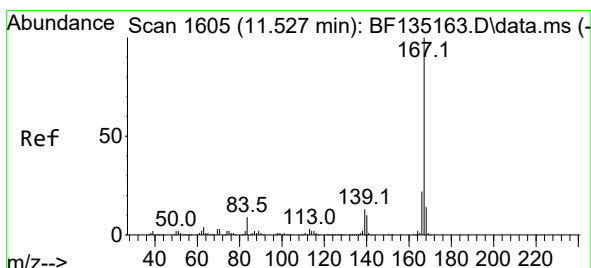
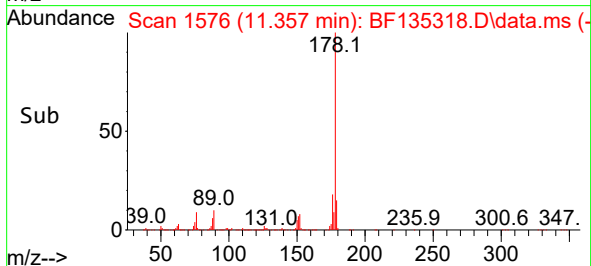
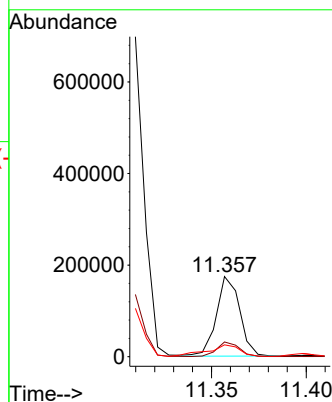
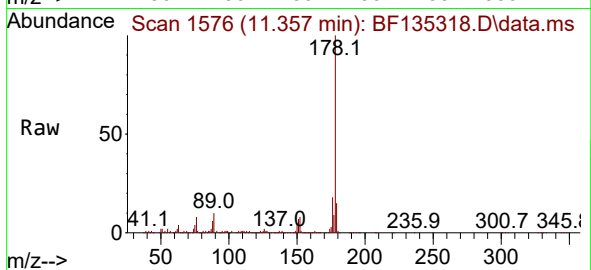
Tgt Ion:178 Resp: 149659

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 14.7 12.6 19.0



#73

Carbazole

Concen: 2.782 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

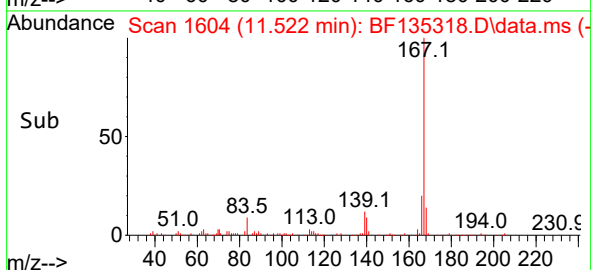
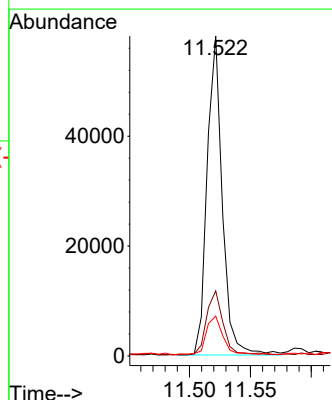
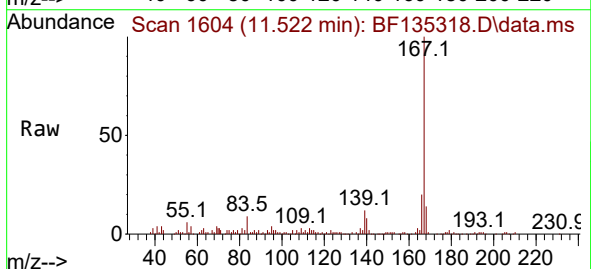
Tgt Ion:167 Resp: 50448

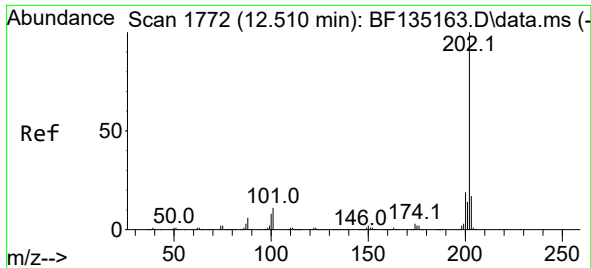
Ion Ratio Lower Upper

167 100

166 20.4 17.4 26.0

139 12.5 10.6 15.8

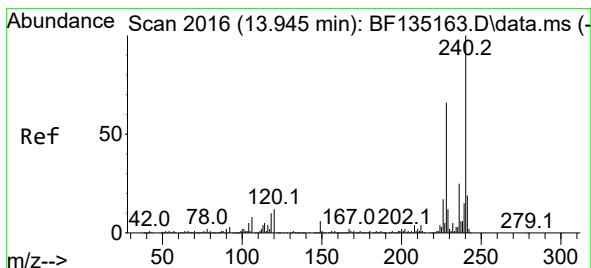
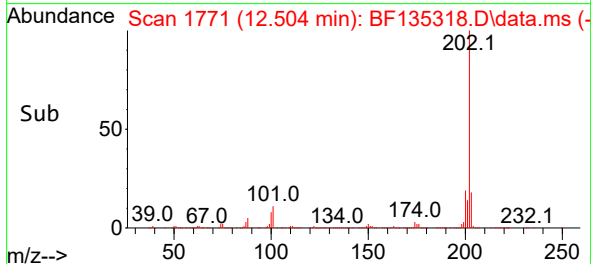
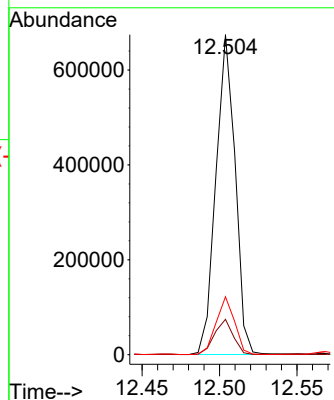
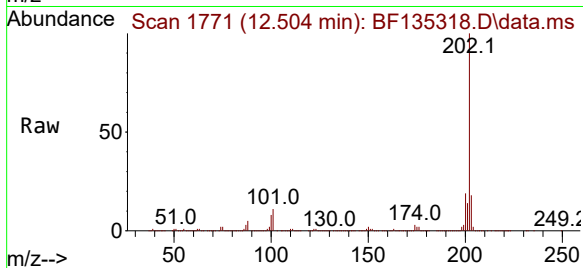




#75
Fluoranthene
Concen: 28.838 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

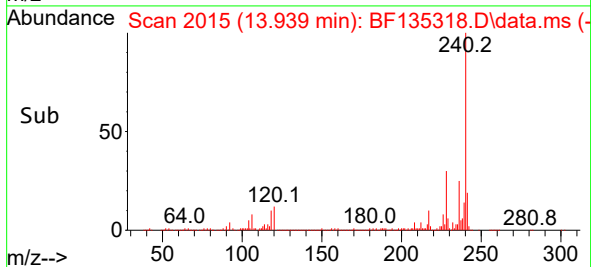
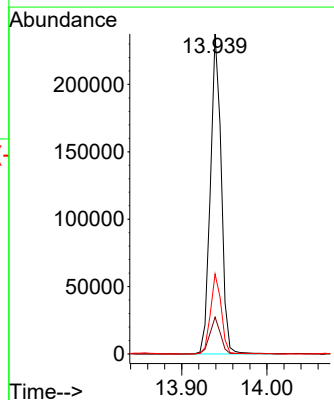
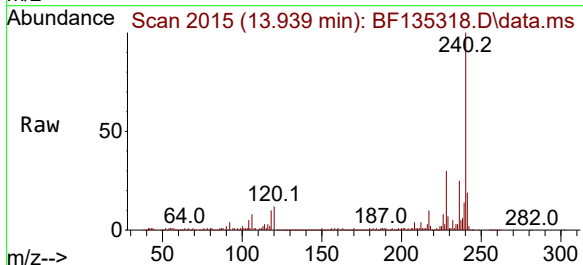
Instrument :
BNA_F
ClientSampleId :

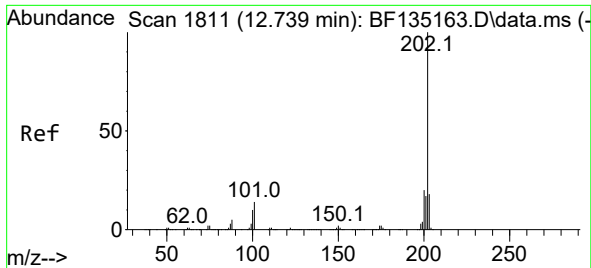
Tgt Ion:202 Resp: 582306
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:240 Resp: 210177
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.0 19.8 29.8

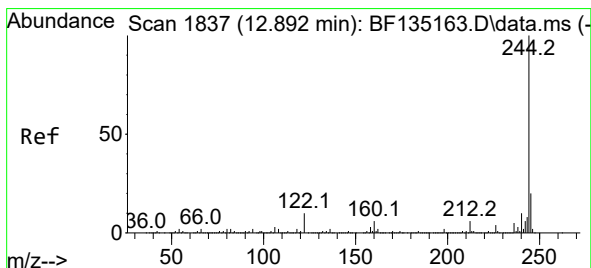
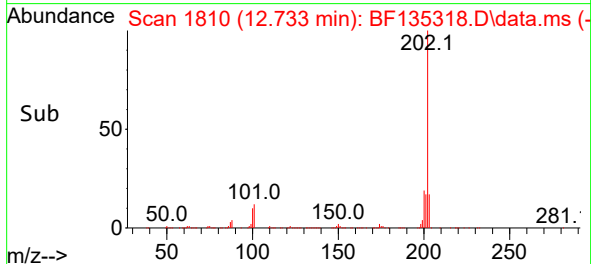
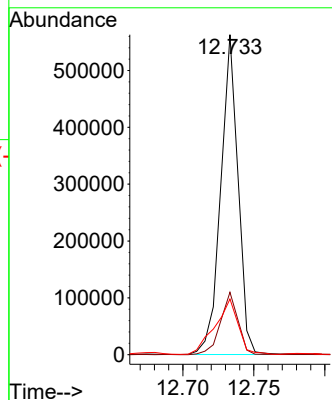
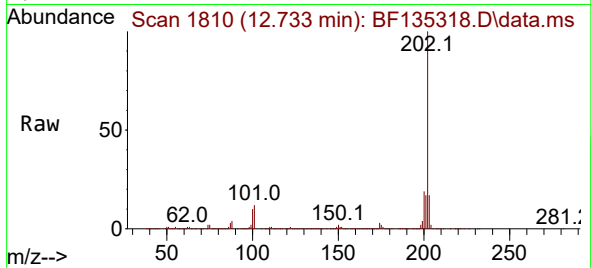




#78
 Pyrene
 Concen: 23.820 ng
 RT: 12.733 min Scan# 1810
 Delta R.T. -0.006 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19

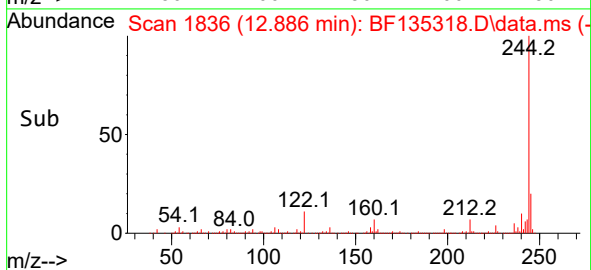
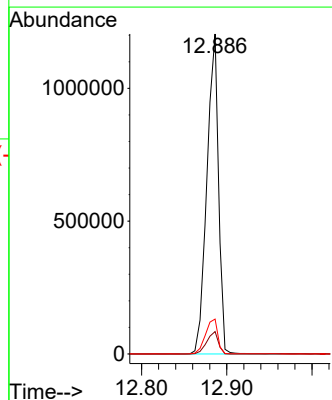
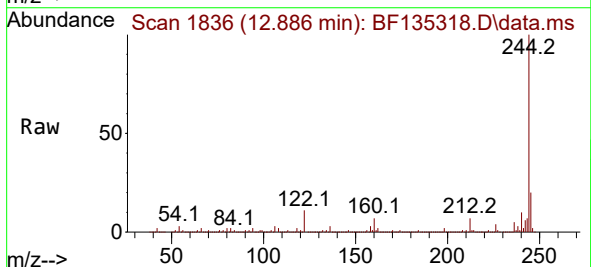
Instrument :
 BNA_F
 ClientSampleId :

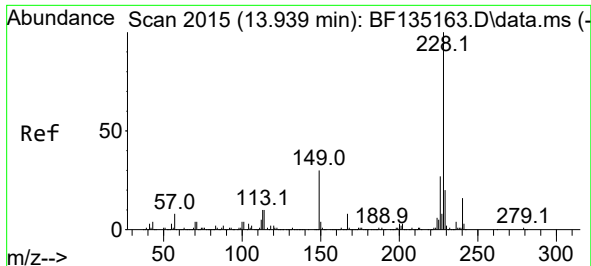
Tgt Ion:202 Resp: 476641
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.2 24.2
 203 17.4 14.2 21.4



#79
 Terphenyl-d14
 Concen: 84.115 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF135318.D
 Acq: 18 Sep 2023 21:19

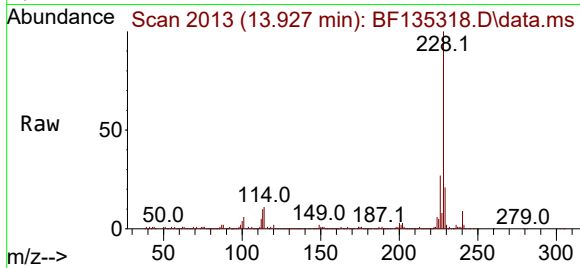
Tgt Ion:244 Resp: 1140443
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 10.9 7.9 11.9



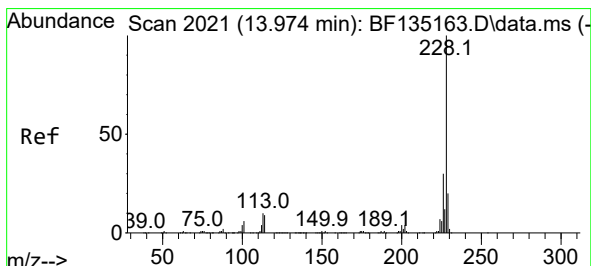
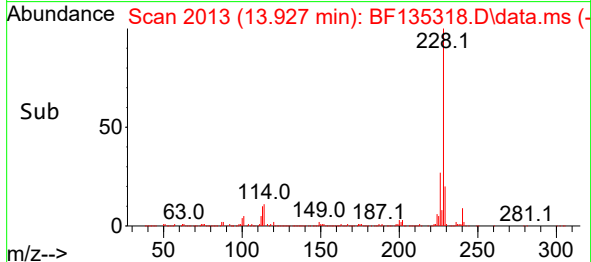
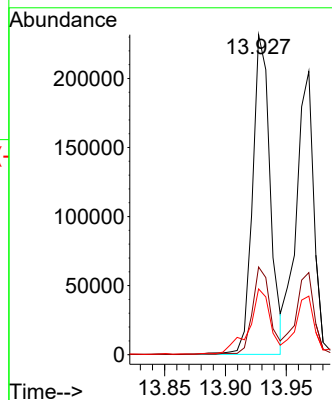


#81
Benzo(a)anthracene
Concen: 17.233 ng
RT: 13.927 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Instrument :
BNA_F
ClientSampleId :

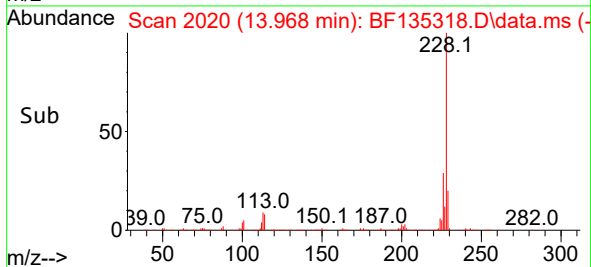
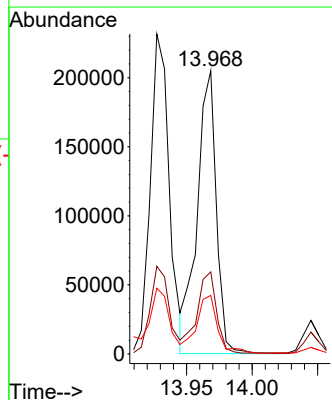
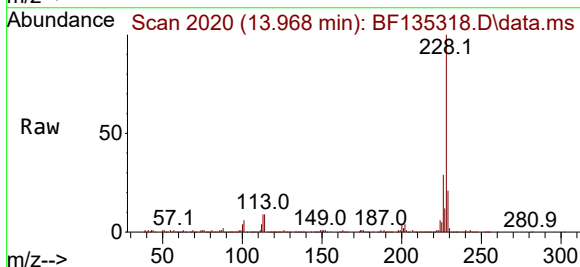


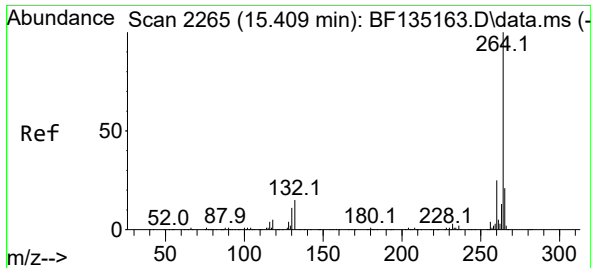
Tgt Ion:228 Resp: 233878
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 20.6 15.8 23.8



#83
Chrysene
Concen: 15.510 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

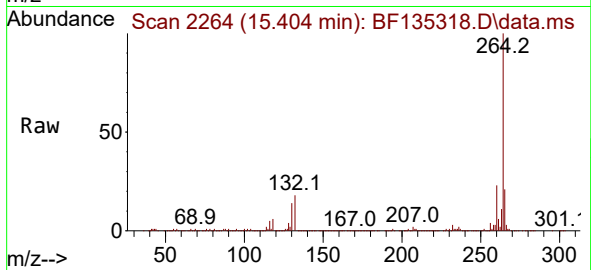
Tgt Ion:228 Resp: 209284
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.7 16.0 24.0



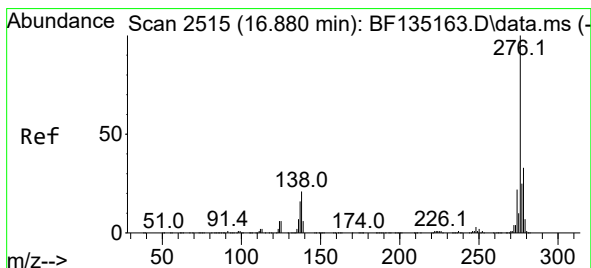
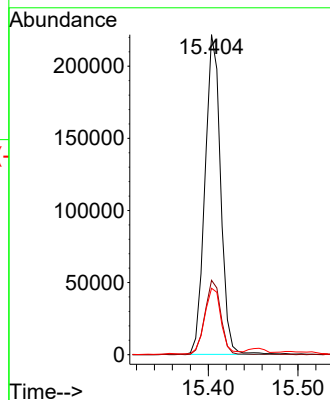
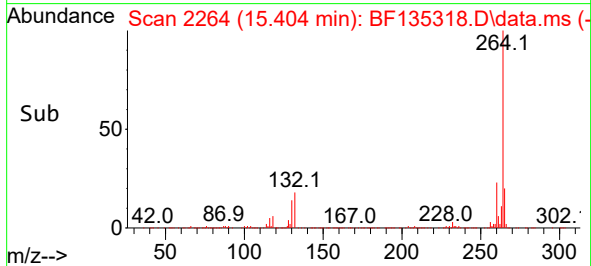


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

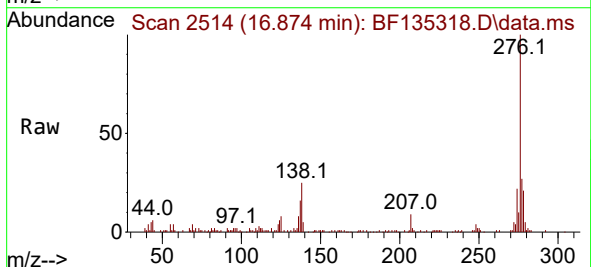
Instrument :
BNA_F
ClientSampleId :



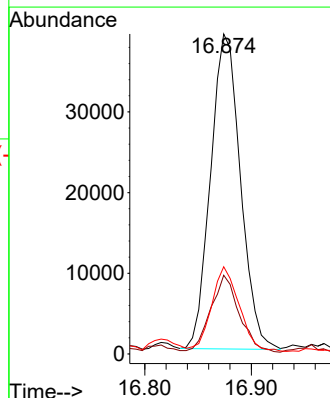
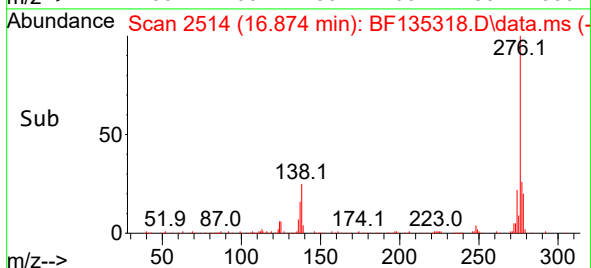
Tgt Ion:264 Resp: 267396
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.6
265 20.8 17.0 25.4

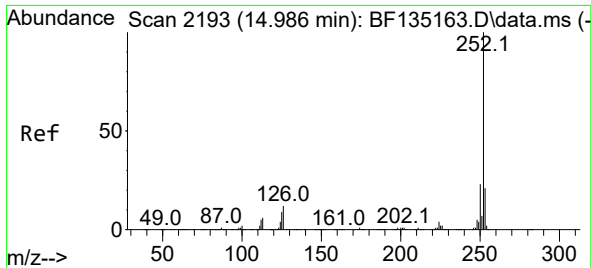


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.341 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19



Tgt Ion:276 Resp: 76107
Ion Ratio Lower Upper
276 100
138 23.2 19.2 28.8
277 24.9 19.7 29.5

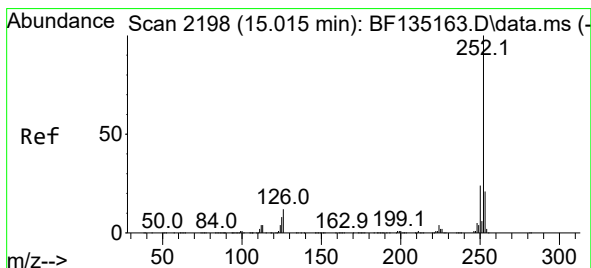
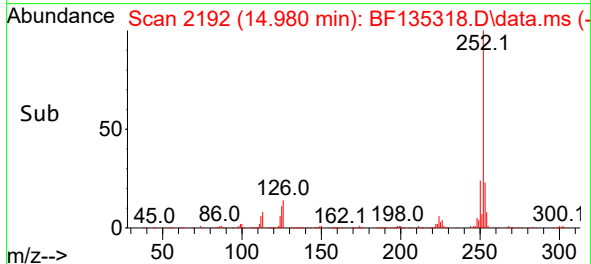
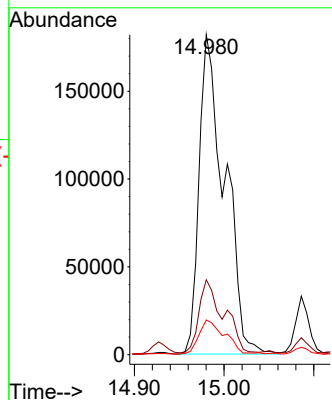
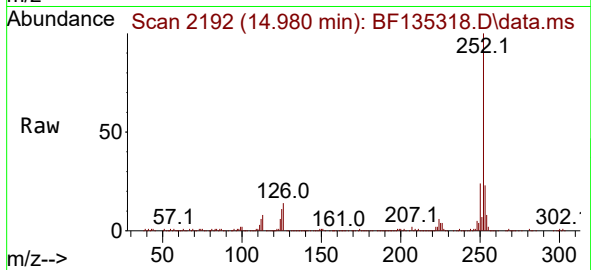




#88
Benzo(b)fluoranthene
Concen: 24.859 ng
RT: 14.980 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

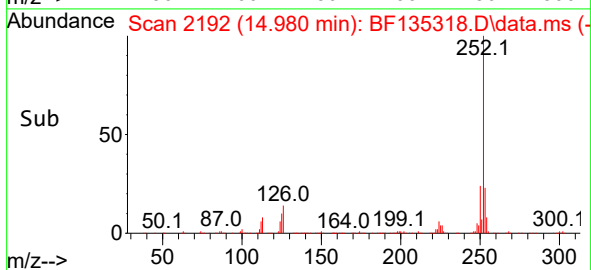
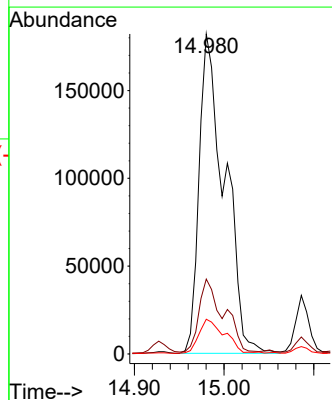
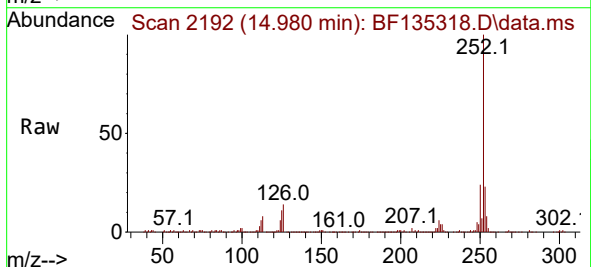
Instrument :
BNA_F
ClientSampleId :

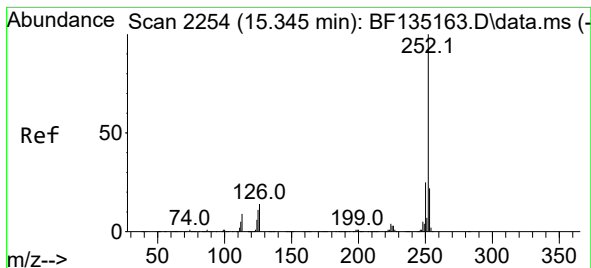
Tgt Ion:252 Resp: 359836
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 10.9 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 25.165 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135318.D
Acq: 18 Sep 2023 21:19

Tgt Ion:252 Resp: 359836
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 13.063 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Instrument :

BNA_F

ClientSampleId :

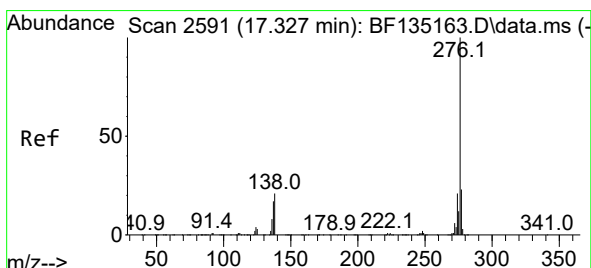
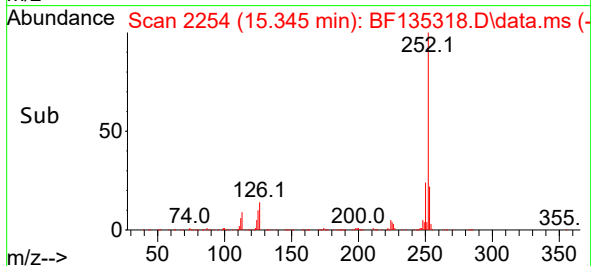
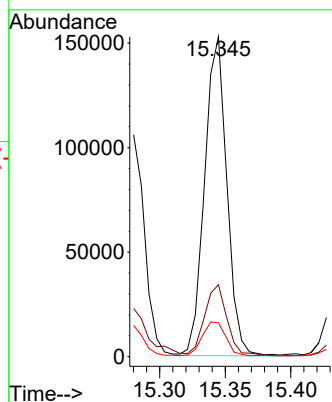
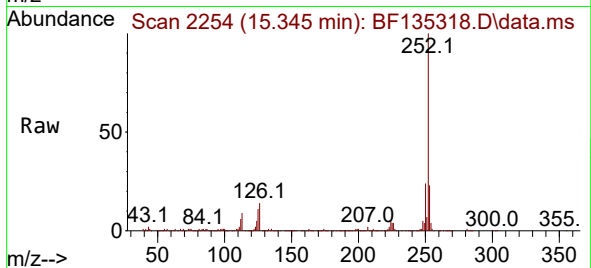
Tgt Ion:252 Resp: 180319

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.6 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.259 ng

RT: 17.321 min Scan# 2590

Delta R.T. -0.006 min

Lab File: BF135318.D

Acq: 18 Sep 2023 21:19

Tgt Ion:276 Resp: 63810

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 20.8 16.9 25.3

