

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135383.D
 Acq On : 21 Sep 2023 16:38
 Operator : CG\JU
 Sample : 04394-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-07

Quant Time: Sep 22 05:57:38 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)

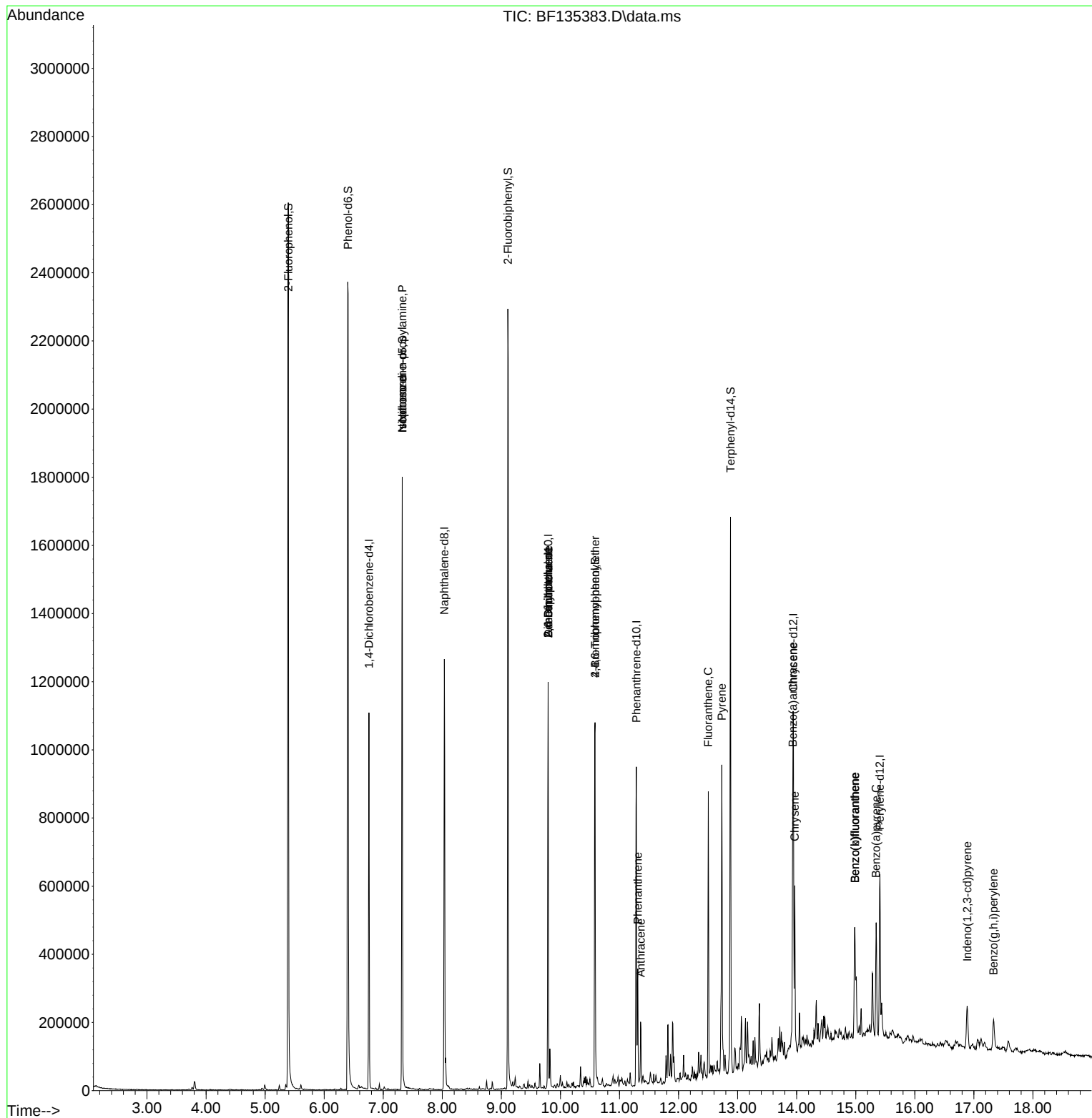
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	149450	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	538376	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	227867	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	353890	20.000	ng	0.00
76) Chrysene-d12	13.945	240	274203	20.000	ng	0.00
86) Perylene-d12	15.409	264	228692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	720949	78.460	ng	0.00
7) Phenol-d6	6.404	99	881056	75.407	ng	0.00
23) Nitrobenzene-d5	7.322	82	513168	51.786	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	129723	57.287	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	760317	50.341	ng	-0.02
79) Terphenyl-d14	12.880	244	551339	31.170	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	67567	9.336	ng	# 79
25) Isophorone	7.322	82	513162	28.201	ng	# 65
50) Dimethylphthalate	9.792	163	43925	2.851	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	29255	8.668	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	29255	6.924	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	8732	2.481	ng	# 1
71) Phenanthrene	11.310	178	120023	7.171	ng	98
72) Anthracene	11.357	178	69353	4.031	ng	97
75) Fluoranthene	12.504	202	303255	17.388	ng	98
78) Pyrene	12.733	202	362206	13.874	ng	99
81) Benzo(a)anthracene	13.933	228	201158	11.361	ng	96
83) Chrysene	13.968	228	169758	9.643	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	78267	5.220	ng	98
88) Benzo(b)fluoranthene	14.986	252	257892	20.831	ng	# 93
89) Benzo(k)fluoranthene	14.986	252	257892	21.088	ng	# 94
90) Benzo(a)pyrene	15.345	252	149441	12.658	ng	97
92) Benzo(g,h,i)perylene	17.333	276	73643	5.747	ng	# 92

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

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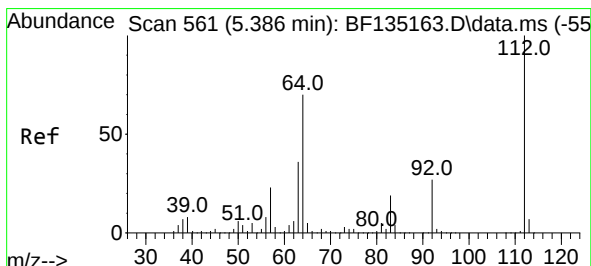
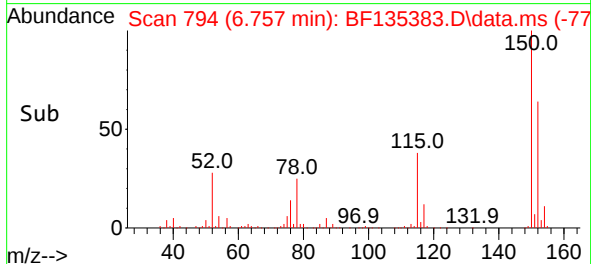
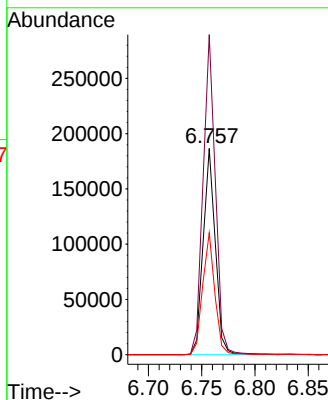
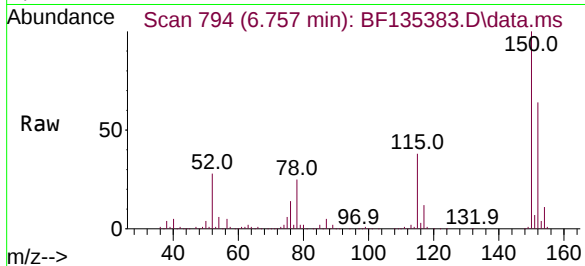




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

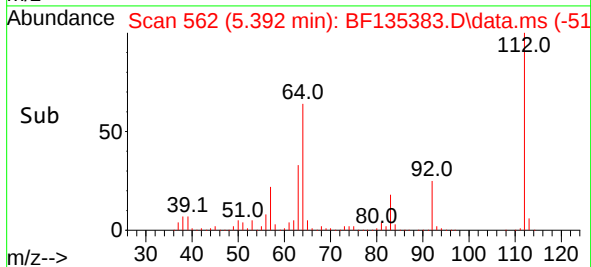
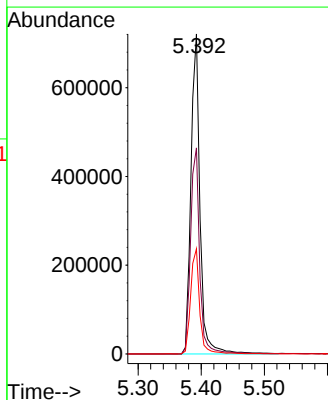
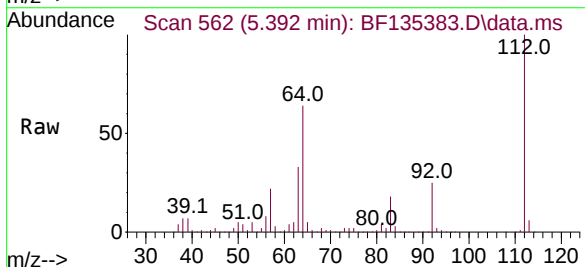
Instrument :
BNA_F
ClientSampleId :
B103-07

Tgt Ion:152 Resp: 149450
Ion Ratio Lower Upper
152 100
150 155.1 127.8 191.6
115 59.1 49.8 74.8



#5
2-Fluorophenol
Concen: 78.460 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:112 Resp: 720949
Ion Ratio Lower Upper
112 100
64 64.4 55.9 83.9
63 32.8 29.0 43.6

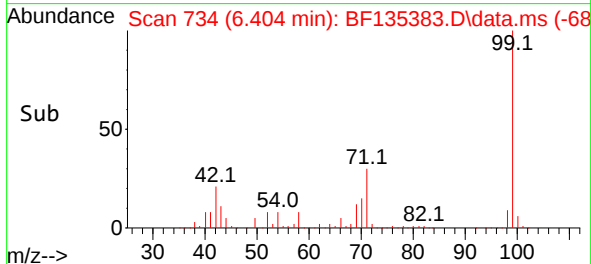
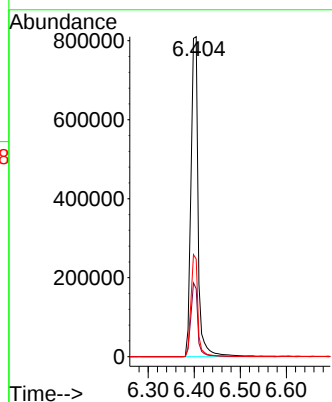
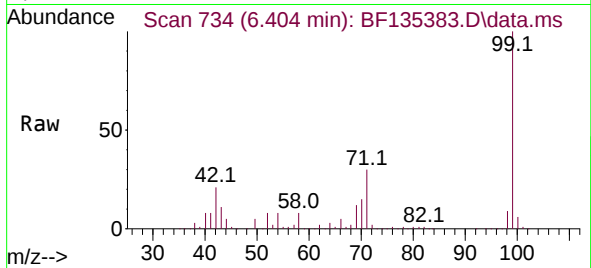




#7
Phenol-d6
Concen: 75.407 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

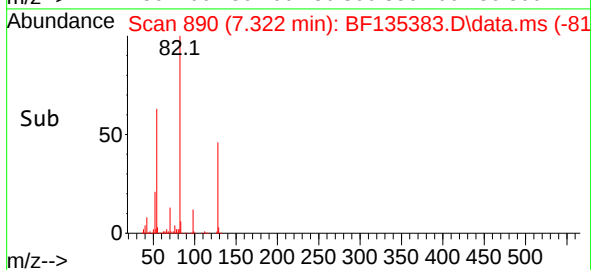
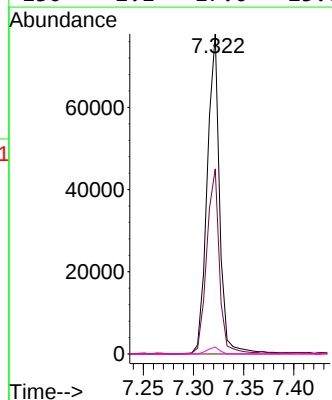
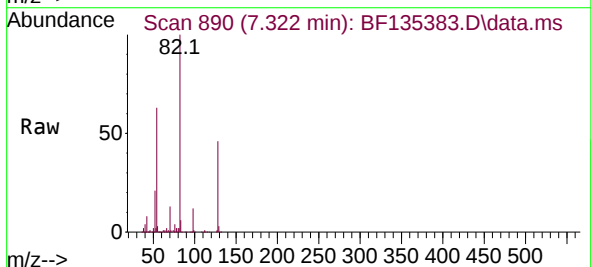
Instrument :
BNA_F
ClientSampleId :
B103-07

Tgt Ion: 99 Resp: 881056
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 30.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.336 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion: 70 Resp: 67567
Ion Ratio Lower Upper
70 100
42 57.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

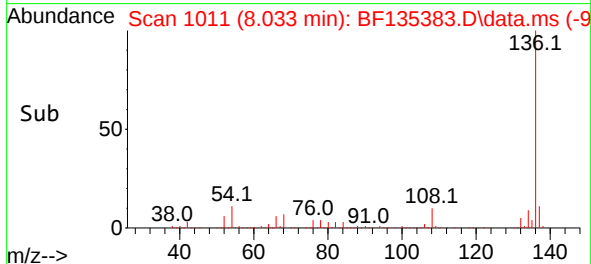
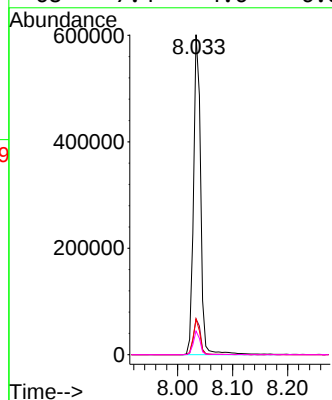
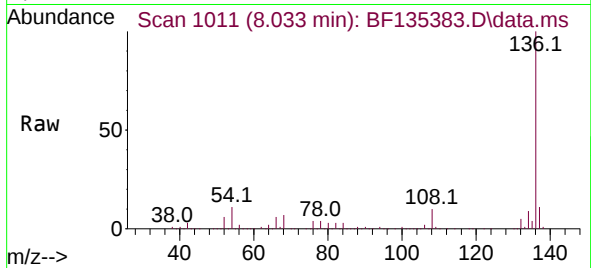




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

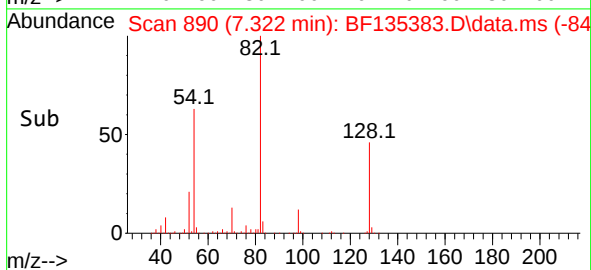
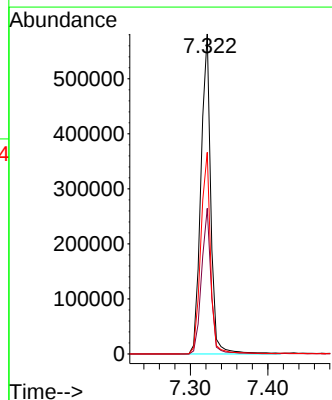
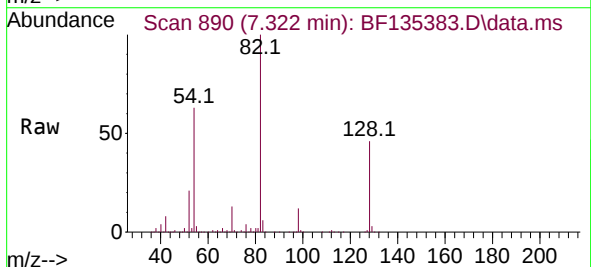
Instrument :
BNA_F
ClientSampleId :
B103-07

Tgt Ion:136 Resp: 538376
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 11.1 7.7 11.5
68 7.4 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 51.786 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion: 82 Resp: 513168
Ion Ratio Lower Upper
82 100
128 45.5 35.8 53.6
54 63.0 50.6 76.0

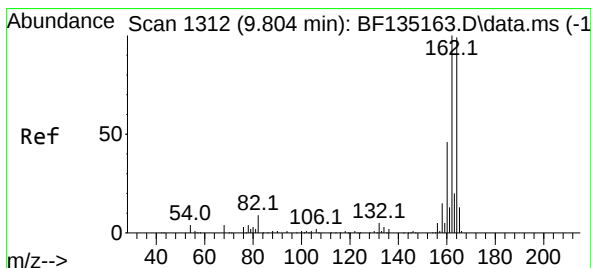
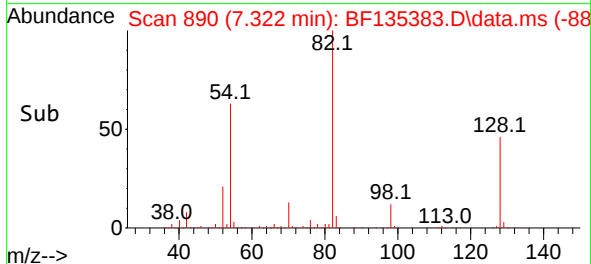
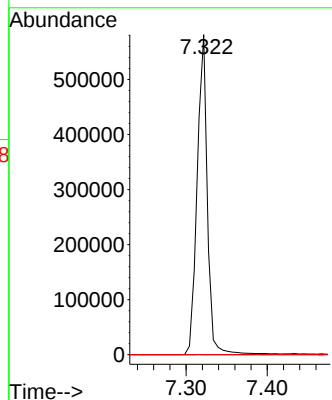
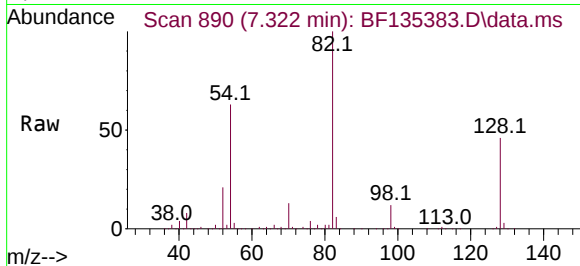




#25
Isophorone
Concen: 28.201 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

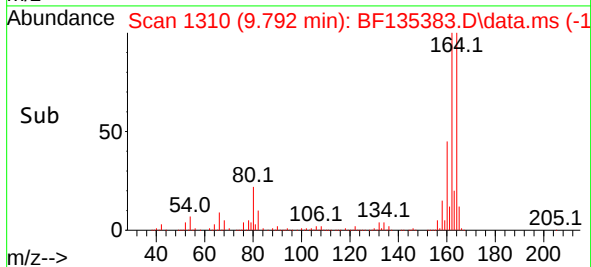
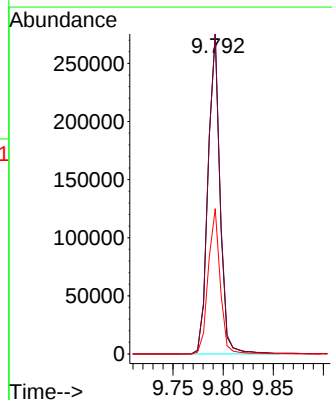
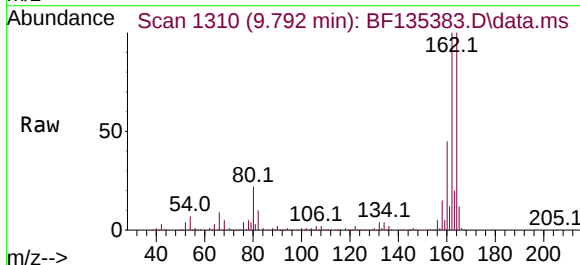
Instrument :
BNA_F
ClientSampleId :
B103-07

Tgt Ion: 82 Resp: 513162
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# 1310
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion: 164 Resp: 227867
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 45.4 37.0 55.4

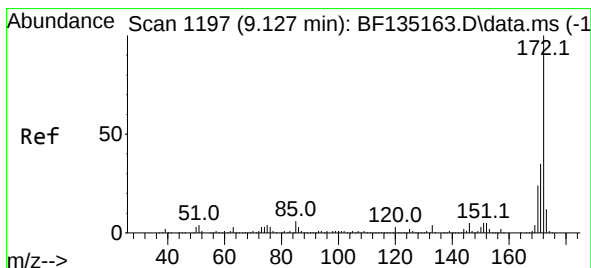
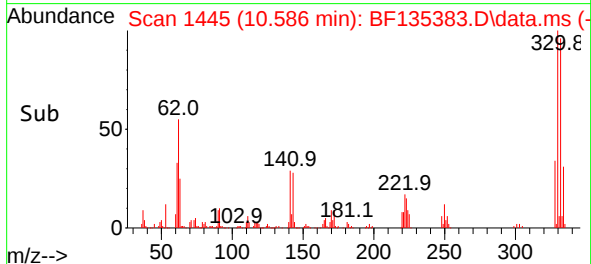
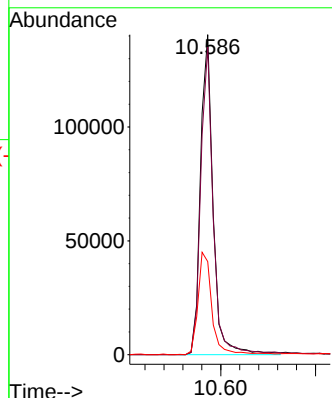
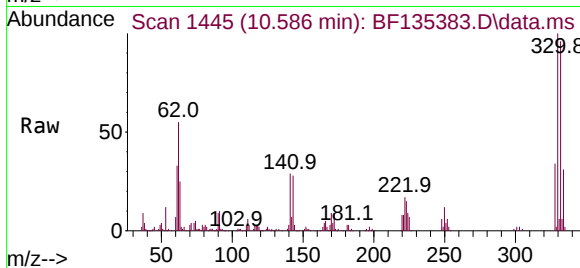




#42
2,4,6-Tribromophenol
Concen: 57.287 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

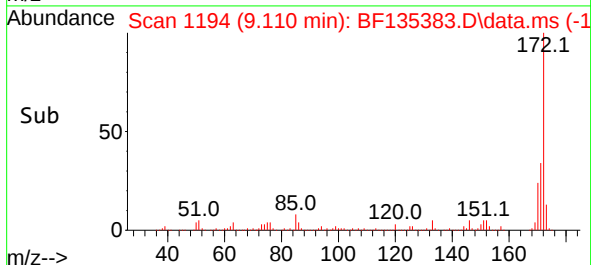
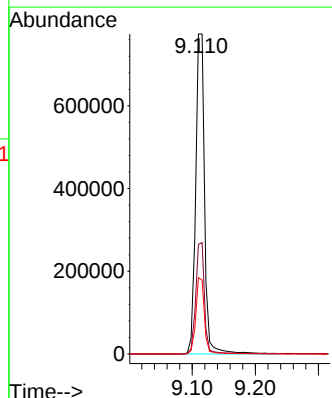
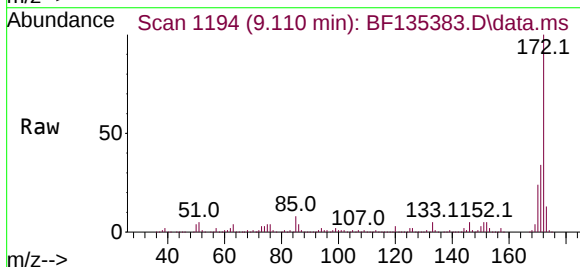
Instrument :
BNA_F
ClientSampleId :
B103-07

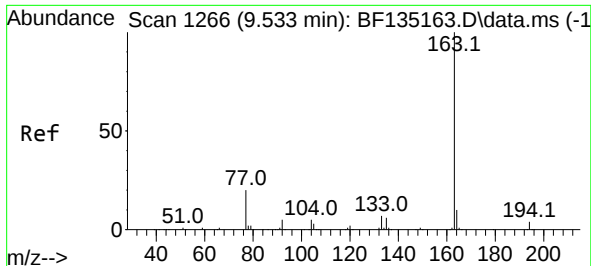
Tgt Ion:330 Resp: 129723
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 35.6 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 50.341 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.018 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:172 Resp: 760317
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 23.8 19.0 28.4

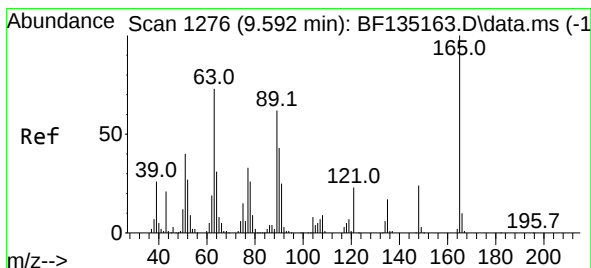
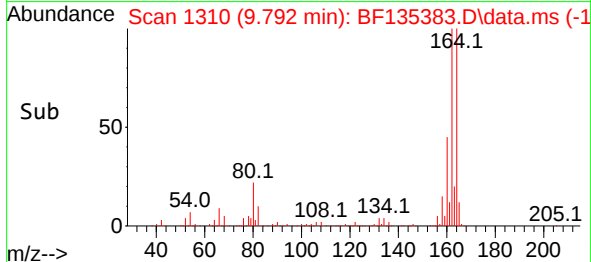
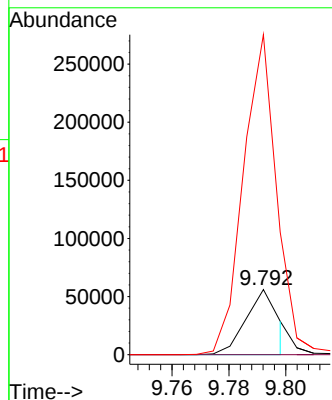
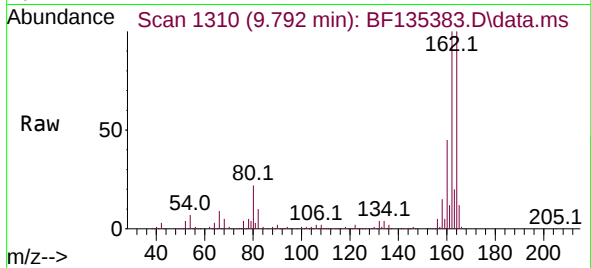




#50
Dimethylphthalate
Concen: 2.851 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

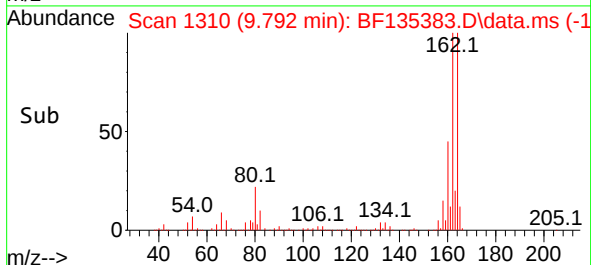
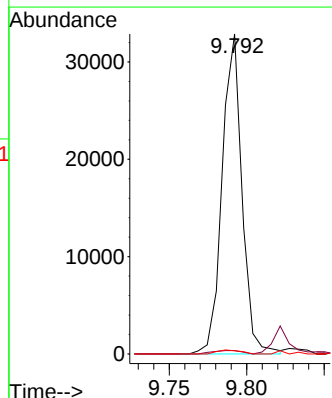
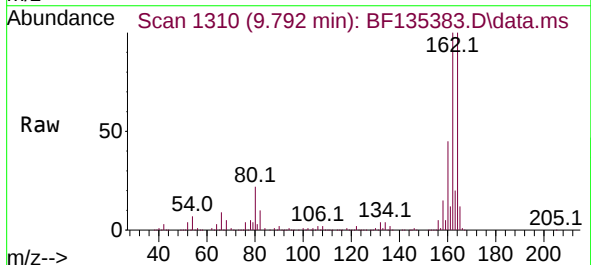
Instrument :
BNA_F
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B103-07

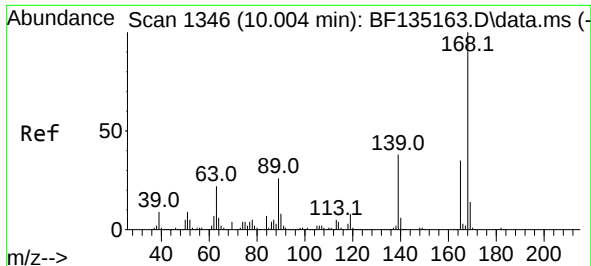
Tgt Ion:163 Resp: 43925
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 491.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.668 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:165 Resp: 29255
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.0 49.8 74.8#

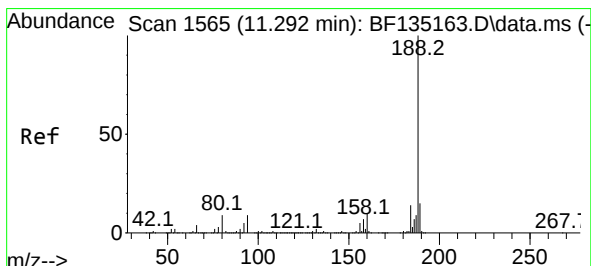
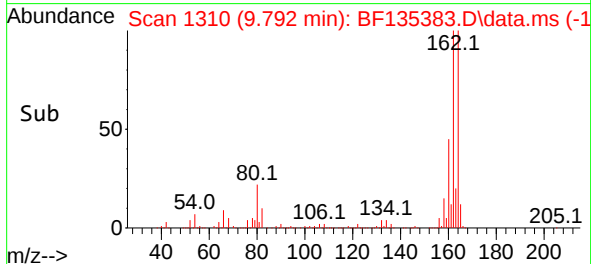
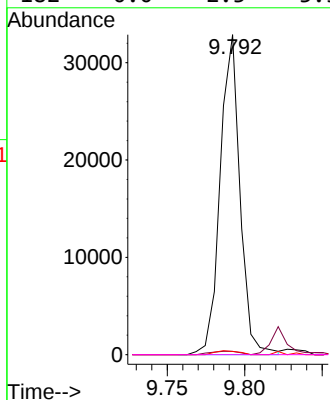
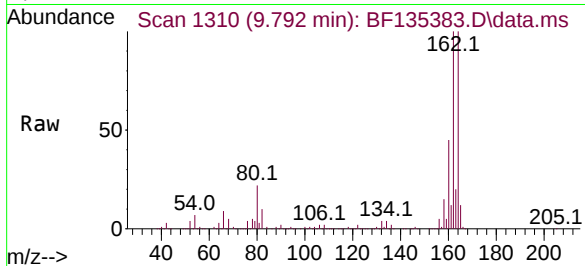




#57
2,4-Dinitrotoluene
Concen: 6.924 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

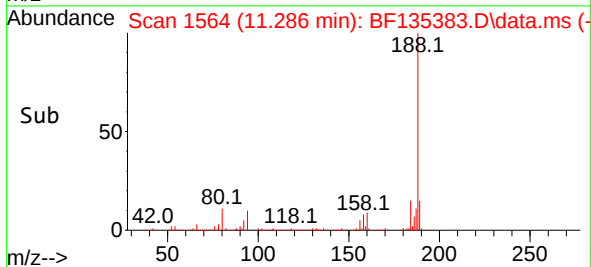
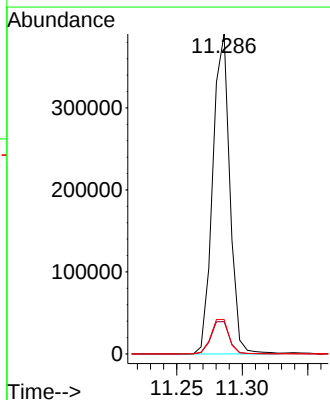
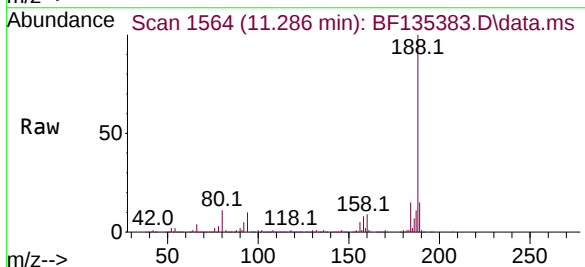
Instrument :
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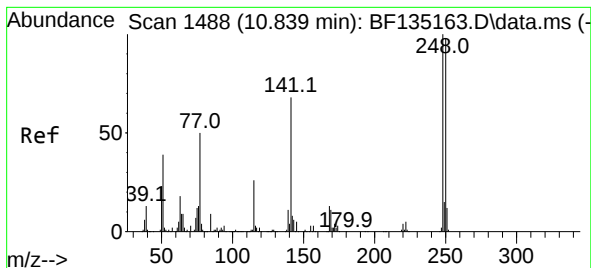
Tgt Ion:165 Resp: 29255
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.0 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:188 Resp: 353890
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.7 7.5 11.3

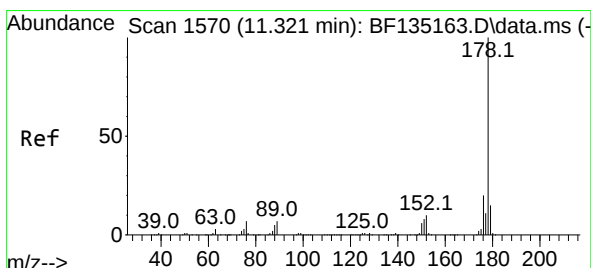
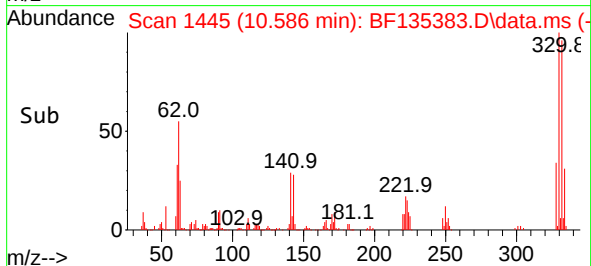
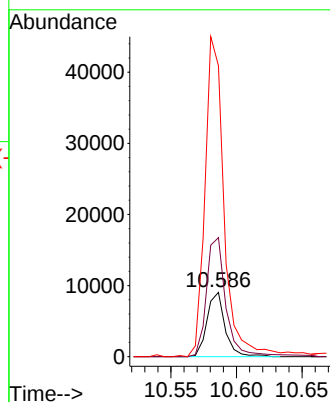
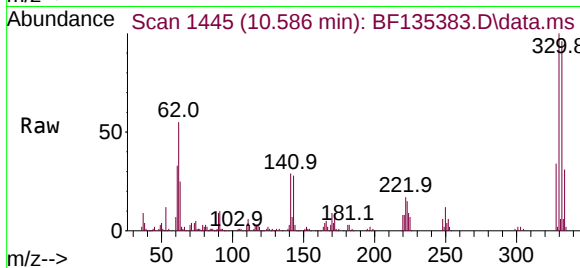




#67
4-Bromophenyl-phenylether
Concen: 2.481 ng
RT: 10.586 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

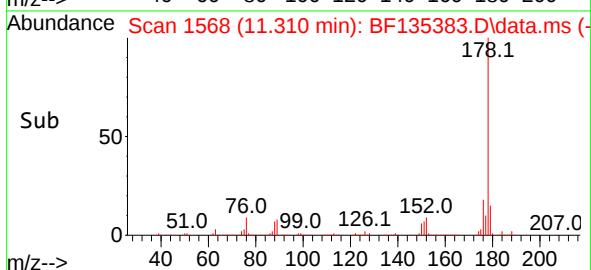
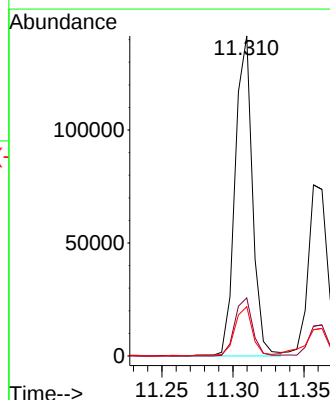
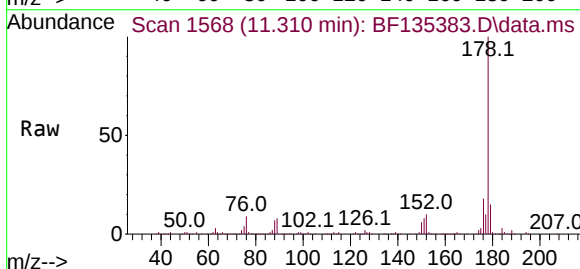
Instrument :
BNA_F
ClientSampleId :
B103-07

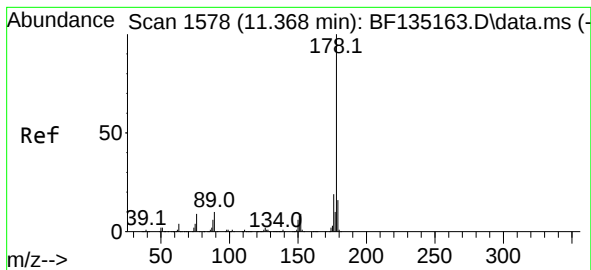
Tgt Ion:248 Resp: 8732
Ion Ratio Lower Upper
248 100
250 185.0 78.6 117.8#
141 452.1 54.2 81.2#



#71
Phenanthrene
Concen: 7.171 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:178 Resp: 120023
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.4 12.0 18.0





#72

Anthracene

Concen: 4.031 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

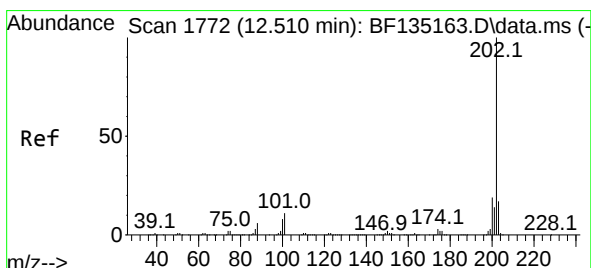
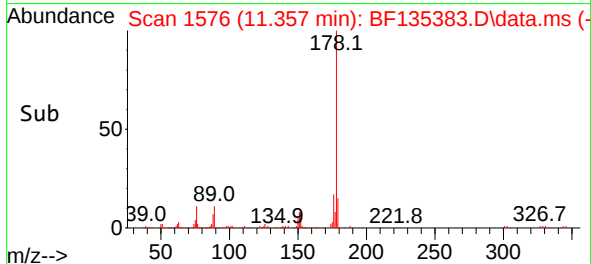
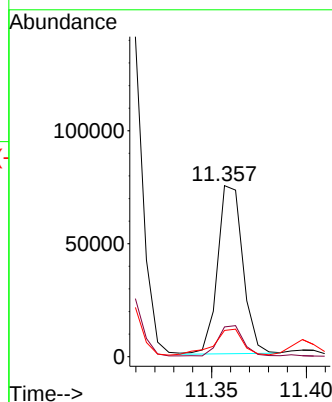
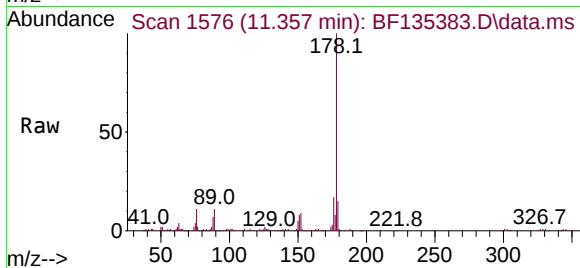
Tgt Ion:178 Resp: 69353

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

179 15.4 12.6 19.0



#75

Fluoranthene

Concen: 17.388 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

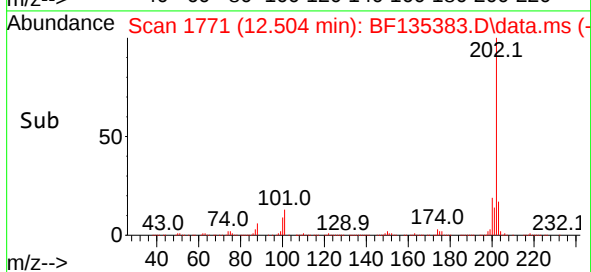
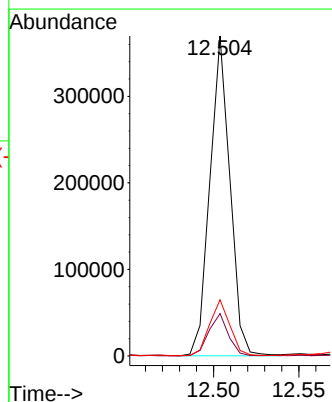
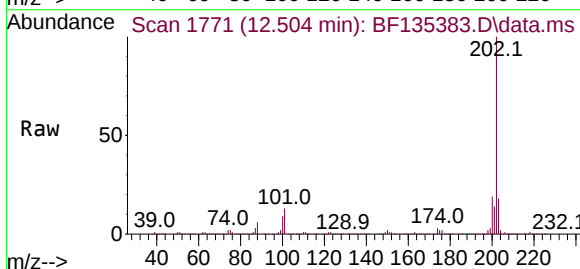
Tgt Ion:202 Resp: 303255

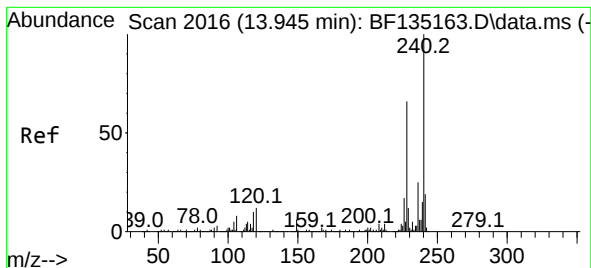
Ion Ratio Lower Upper

202 100

101 13.3 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: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

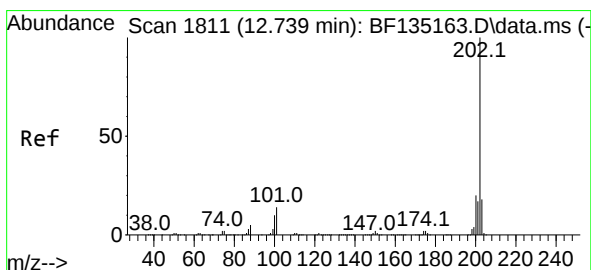
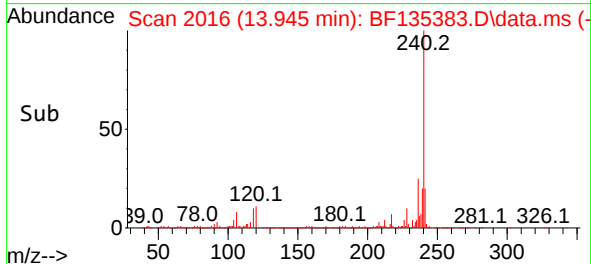
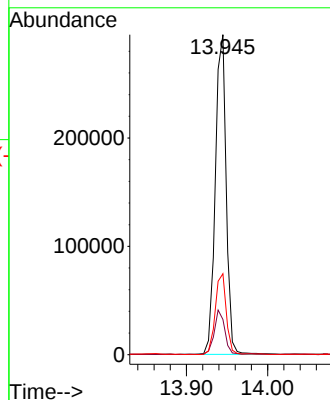
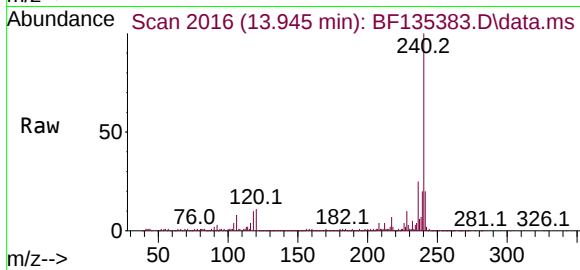
Tgt Ion:240 Resp: 274203

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 25.3 19.8 29.8



#78

Pyrene

Concen: 13.874 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

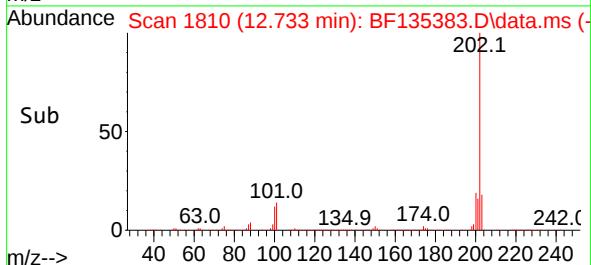
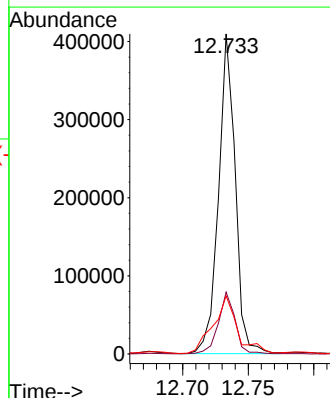
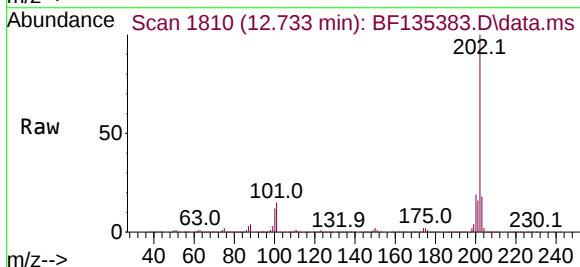
Tgt Ion:202 Resp: 362206

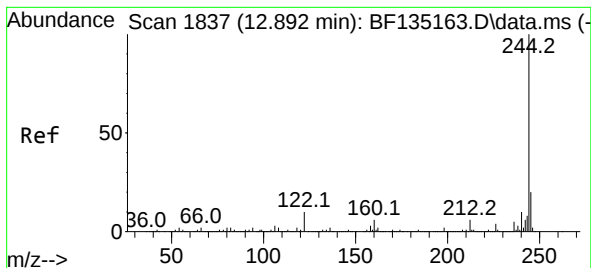
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 31.170 ng

RT: 12.880 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

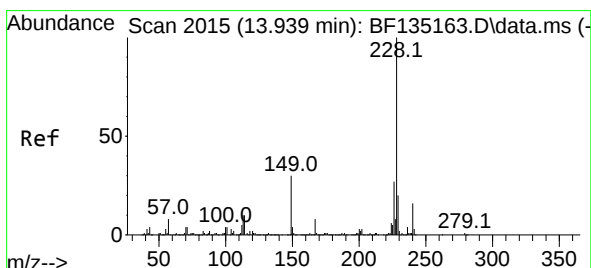
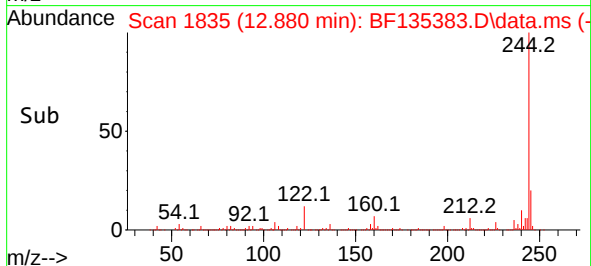
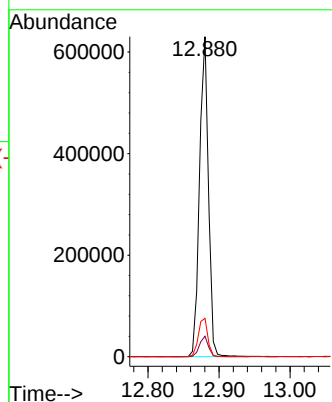
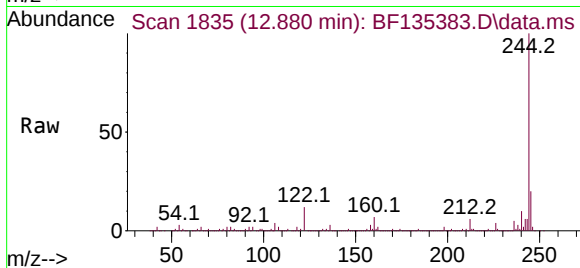
Tgt Ion:244 Resp: 551339

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.0 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 11.361 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

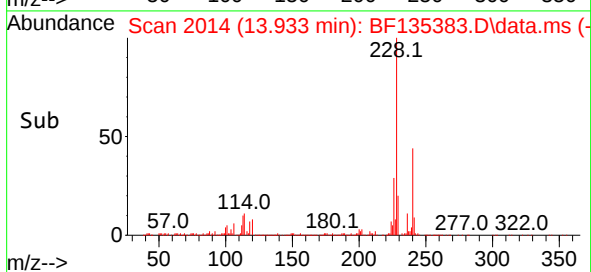
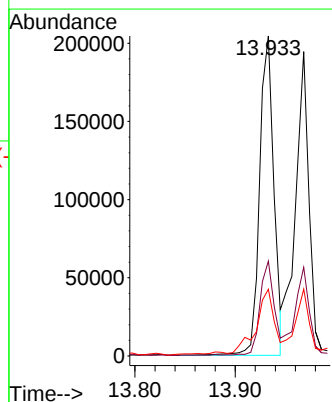
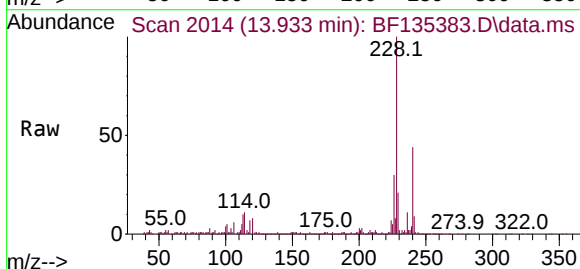
Tgt Ion:228 Resp: 201158

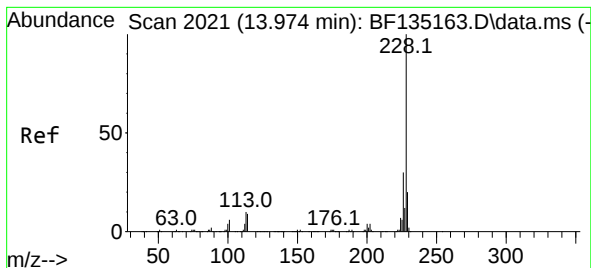
Ion Ratio Lower Upper

228 100

226 29.7 21.7 32.5

229 20.9 15.8 23.8





#83

Chrysene

Concen: 9.643 ng

RT: 13.968 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

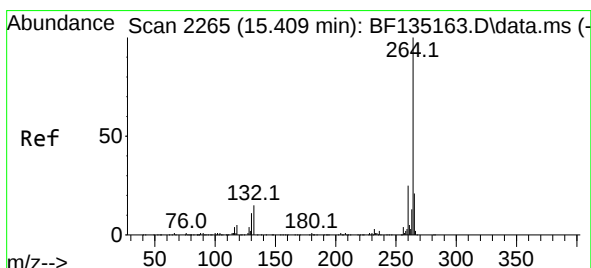
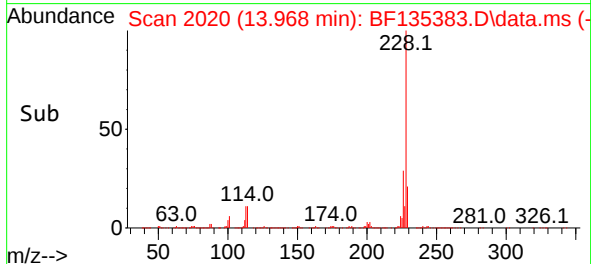
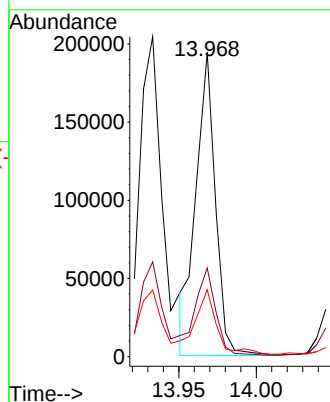
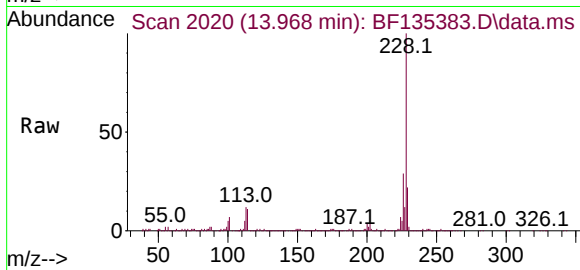
Tgt Ion:228 Resp: 169758

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

229 22.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

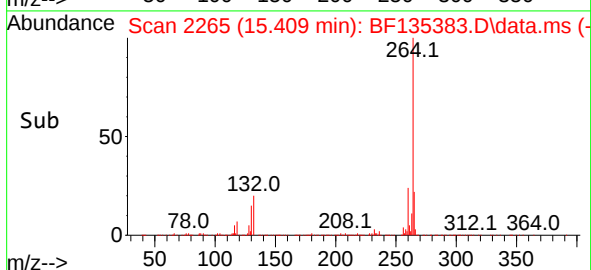
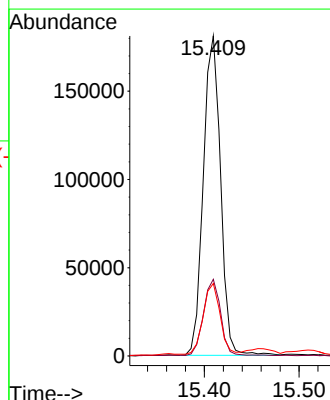
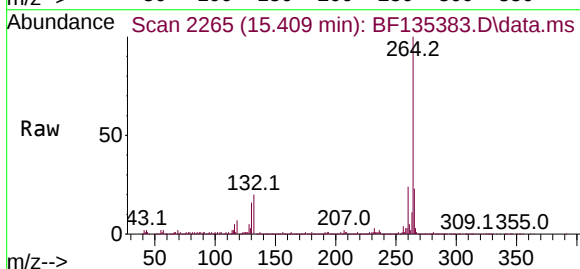
Tgt Ion:264 Resp: 228692

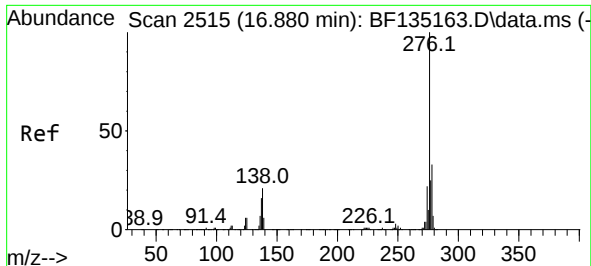
Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 22.6 17.0 25.4

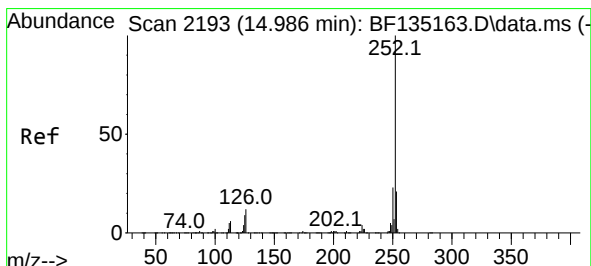
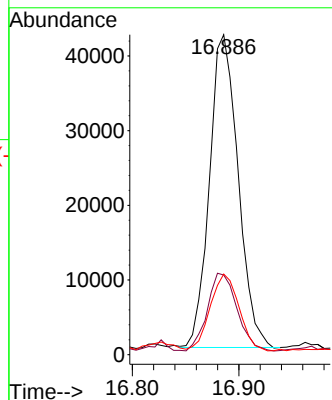
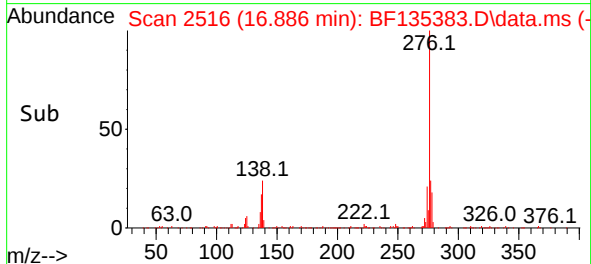
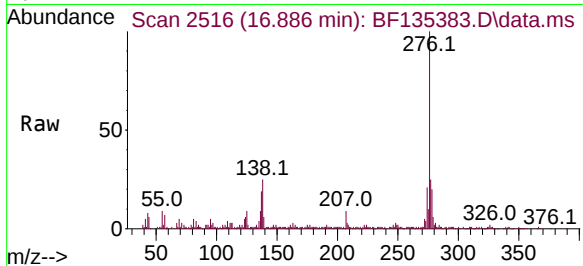




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.220 ng
RT: 16.886 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

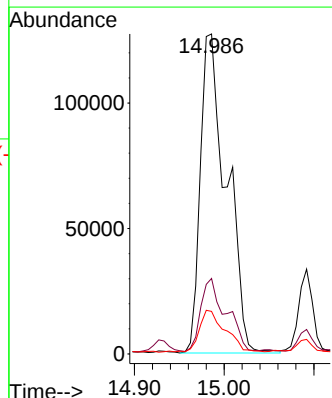
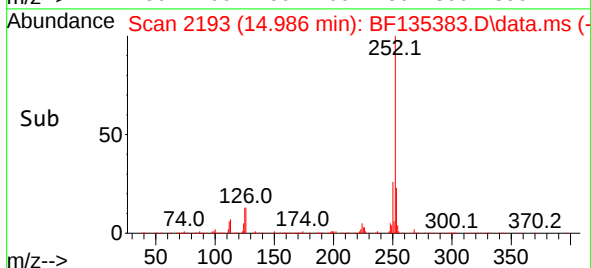
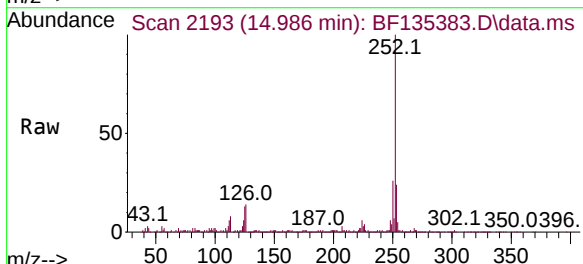
Instrument :
BNA_F
ClientSampleId :
B103-07

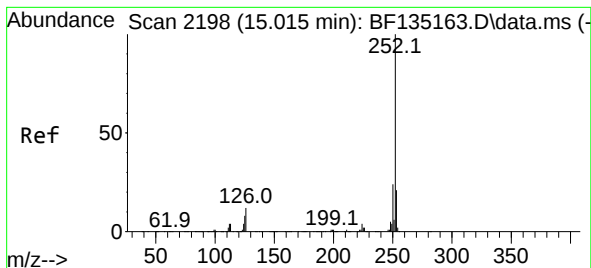
Tgt Ion:276 Resp: 78267
Ion Ratio Lower Upper
276 100
138 25.7 19.2 28.8
277 24.8 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 20.831 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135383.D
Acq: 21 Sep 2023 16:38

Tgt Ion:252 Resp: 257892
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 13.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 21.088 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

Instrument :

BNA_F

ClientSampleId :

B103-07

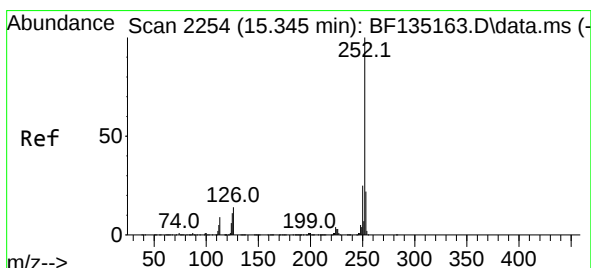
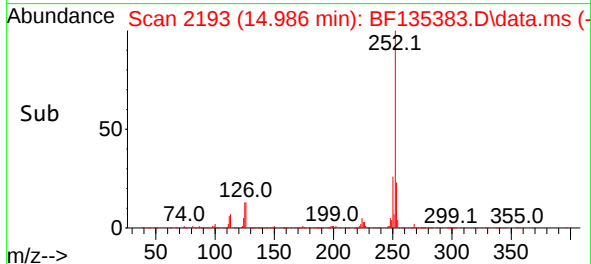
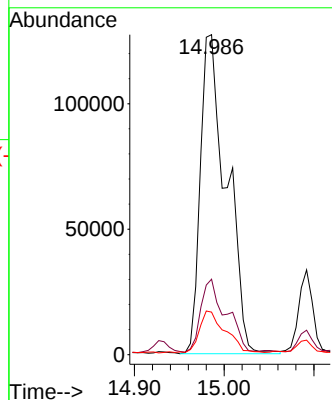
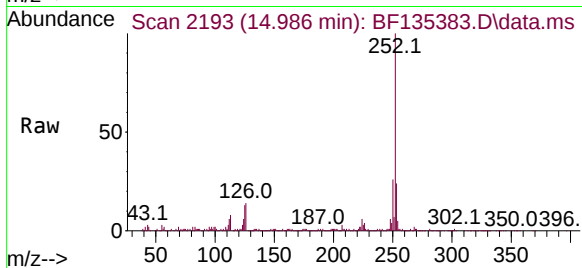
Tgt Ion:252 Resp: 257892

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 13.3 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 12.658 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135383.D

Acq: 21 Sep 2023 16:38

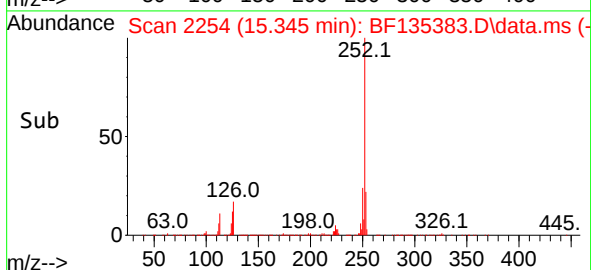
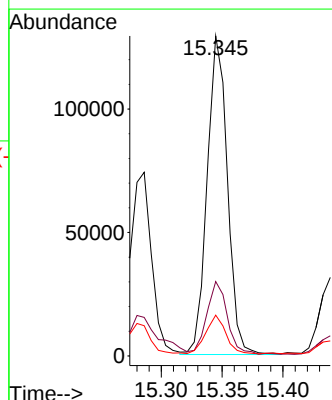
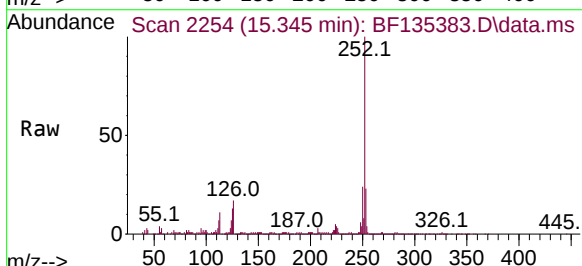
Tgt Ion:252 Resp: 149441

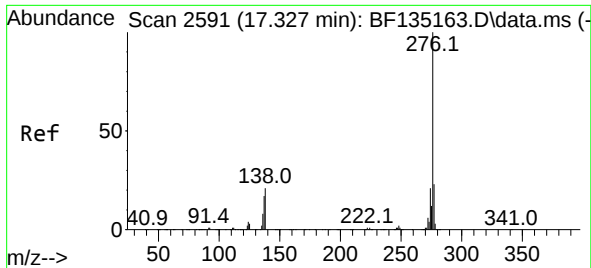
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

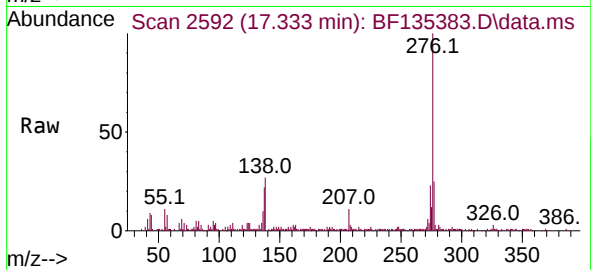
125 12.8 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.747 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135383.D
 Acq: 21 Sep 2023 16:38

Instrument :
 BNA_F
 ClientSampleId :
 B103-07



Tgt Ion:276 Resp: 73643
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.8 28.2
 138 27.4 16.9 25.3#

