

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134778.D
 Acq On : 15 Aug 2023 10:51
 Operator : CG\JU
 Sample : 03975-01DL 100X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z10-12DL

Quant Time: Aug 16 03:09:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

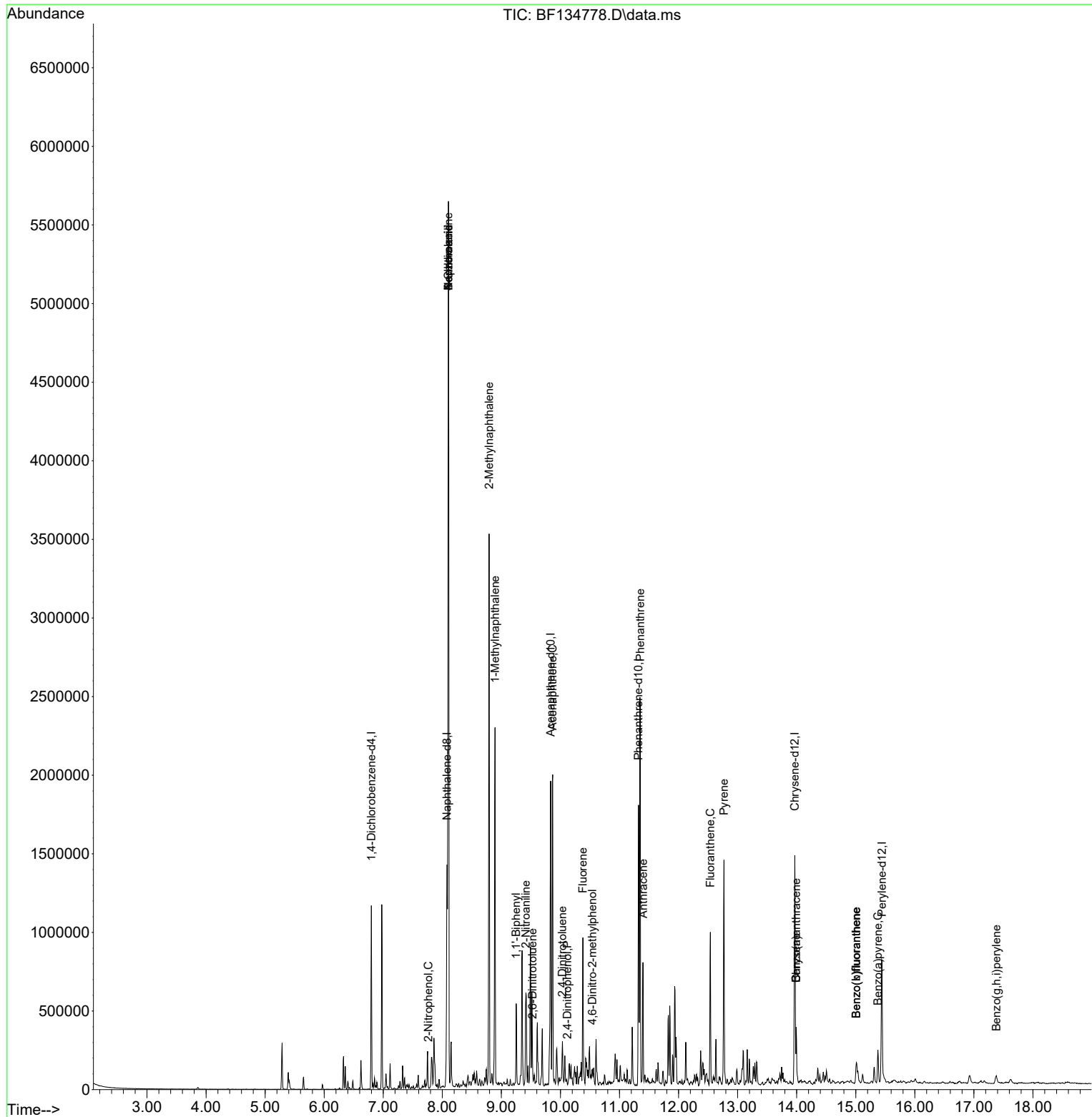
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	160689	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	654598	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	357625	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	664685	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	429191	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	396076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3665	0.347	ng	0.00
7) Phenol-d6	6.428	99	4965	0.367	ng	-0.01
23) Nitrobenzene-d5	7.357	82	3558	0.340	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	1392	0.382	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	8873	0.413	ng	-0.01
79) Terphenyl-d14	12.910	244	11646	0.478	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	5020	Below Cal	#	1
26) 2-Nitrophenol	7.763	139	67	4.805	ng	# 45
31) Naphthalene	8.104	128	2815971	85.595	ng	98
32) Benzoic acid	8.104	122	7119	8.762	ng	# 1
33) 4-Chloroaniline	8.104	127	386069	26.337	ng	# 33
37) 2-Methylnaphthalene	8.792	142	876567	40.197	ng	99
38) 1-Methylnaphthalene	8.892	142	572673	28.241	ng	98
46) 1,1'-Biphenyl	9.251	154	150219	5.402	ng	98
48) 2-Nitroaniline	9.416	65	3053	3.605	ng	# 28
51) 2,6-Dinitrotoluene	9.527	165	2453	2.961	ng	# 86
52) Acenaphthene	9.869	154	436474	20.562	ng	98
54) 2,4-Dinitrophenol	10.116	184	271	6.963	ng	# 22
57) 2,4-Dinitrotoluene	10.033	165	2069	3.173	ng	# 48
58) Fluorene	10.380	166	233055	10.589	ng	96
65) 4,6-Dinitro-2-methylph...	10.539	198	54	8.715	ng	# 1
71) Phenanthrene	11.351	178	976636	27.663	ng	100
72) Anthracene	11.398	178	280835	7.787	ng	99
75) Fluoranthene	12.539	202	368656	9.885	ng	98
78) Pyrene	12.768	202	558690	15.043	ng	98
81) Benzo(a)anthracene	13.992	228	131042	4.270	ng	96
83) Chrysene	13.992	228	131042	4.383	ng	98
88) Benzo(b)fluoranthene	15.009	252	109216	4.521	ng	# 95
89) Benzo(k)fluoranthene	15.009	252	109216	4.539	ng	# 96
90) Benzo(a)pyrene	15.374	252	103988	4.617	ng	# 95
92) Benzo(g,h,i)perylene	17.380	276	41634	2.168	ng	# 94

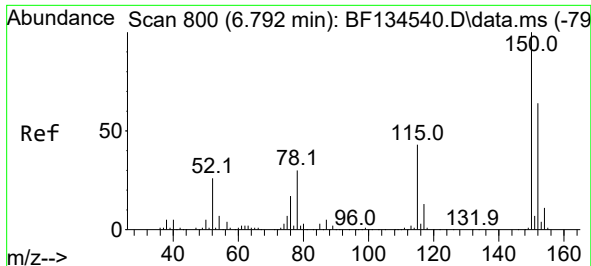
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
Data File : BF134778.D
Acq On : 15 Aug 2023 10:51
Operator : CG\JU
Sample : 03975-01DL 100X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

Quant Time: Aug 16 03:09:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

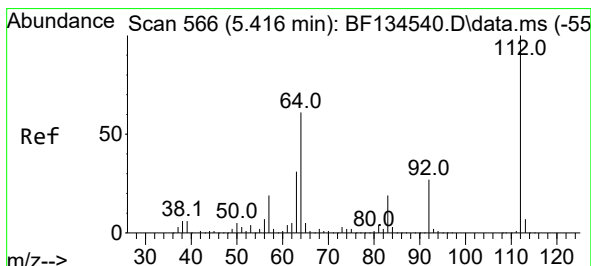
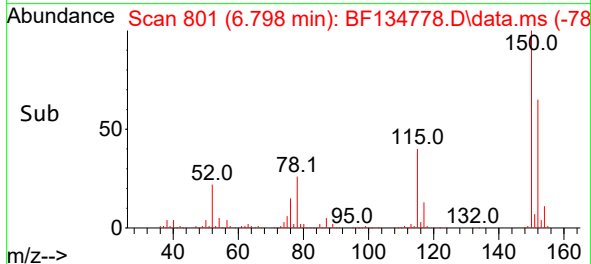
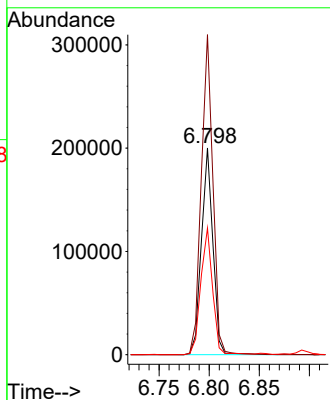
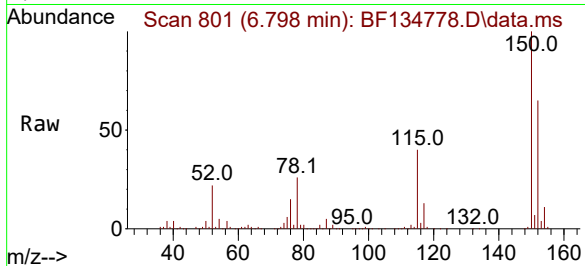




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

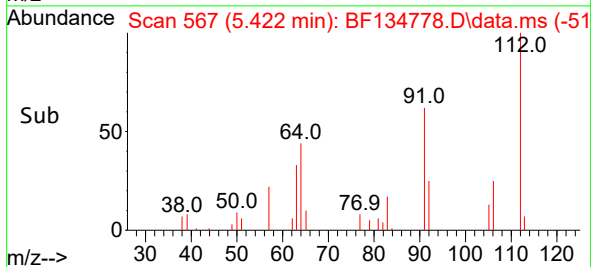
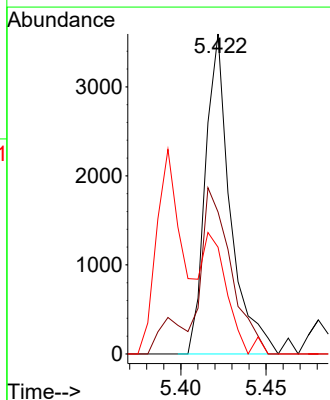
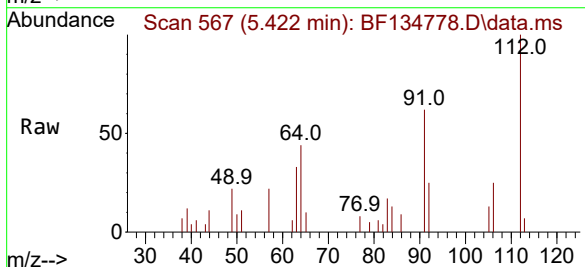
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

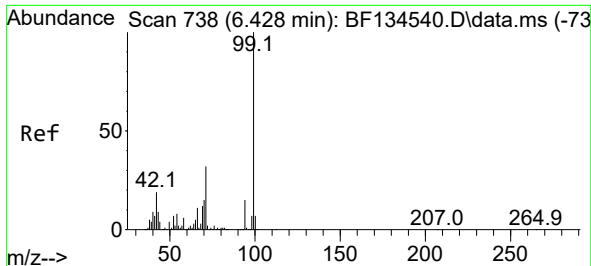
Tgt Ion:152 Resp: 160689
Ion Ratio Lower Upper
152 100
150 154.7 128.3 192.5
115 61.2 52.4 78.6



#5
2-Fluorophenol
Concen: 0.347 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:112 Resp: 3665
Ion Ratio Lower Upper
112 100
64 44.3 44.9 67.3#
63 33.4 25.4 38.0

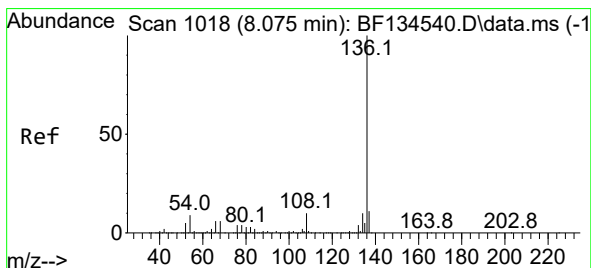
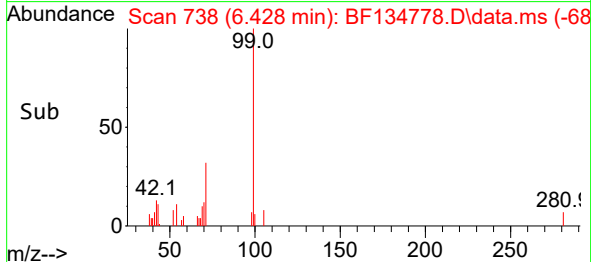
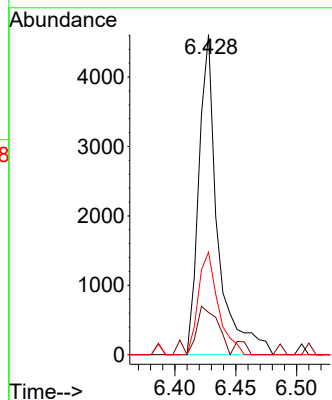
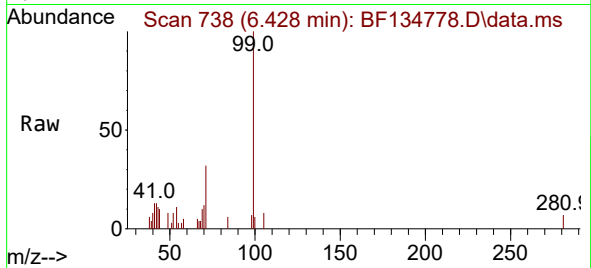




#7
Phenol-d6
Concen: 0.367 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

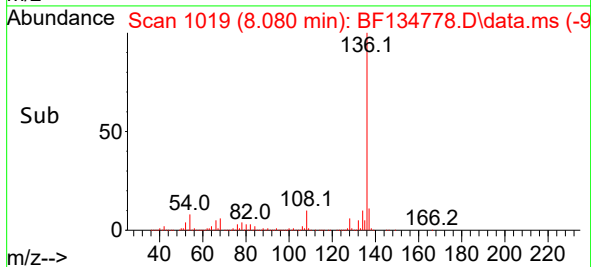
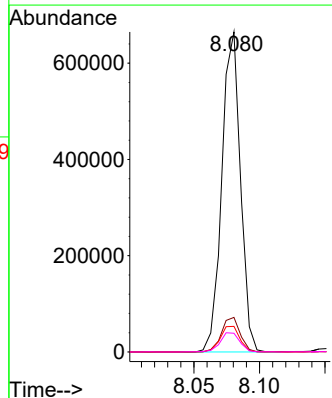
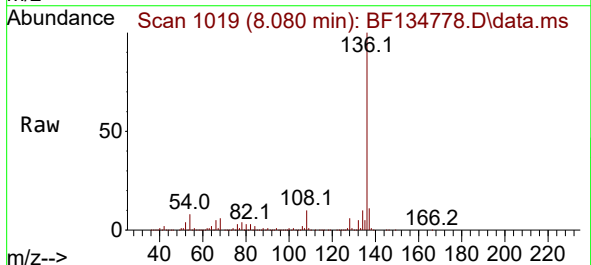
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

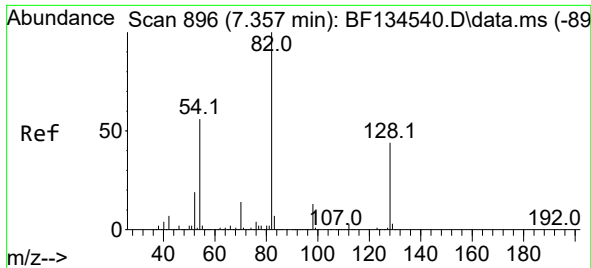
Tgt Ion: 99 Resp: 4965
Ion Ratio Lower Upper
99 100
42 13.2 18.7 28.1#
71 32.0 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion: 136 Resp: 654598
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.0 5.2 7.8#
68 5.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.340 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL

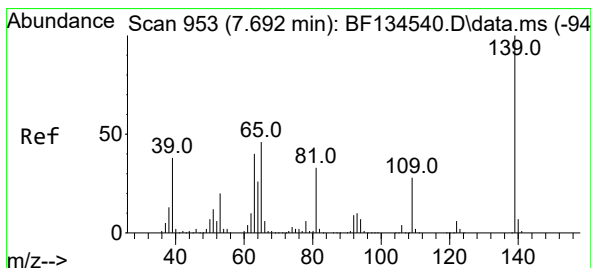
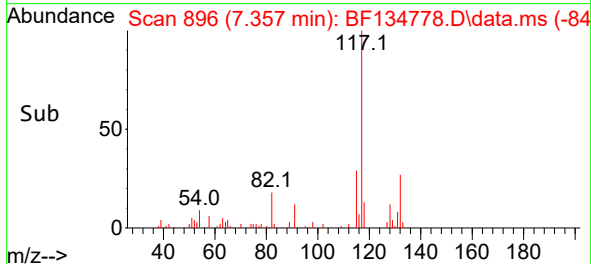
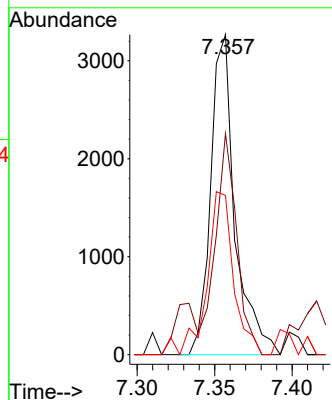
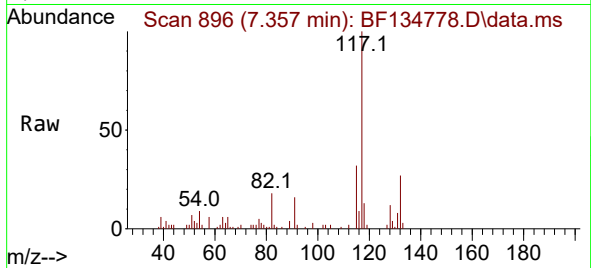
Tgt Ion: 82 Resp: 3558

Ion Ratio Lower Upper

82 100

128 69.1 34.3 51.5#

54 49.8 43.8 65.6



#26

2-Nitrophenol

Concen: 4.805 ng

RT: 7.763 min Scan# 965

Delta R.T. 0.065 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

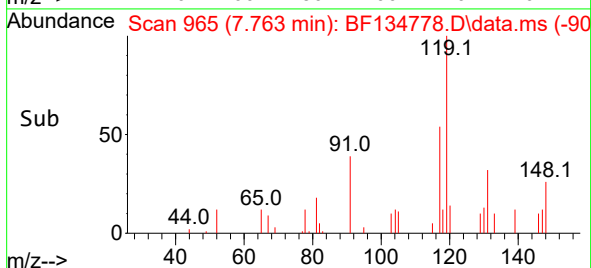
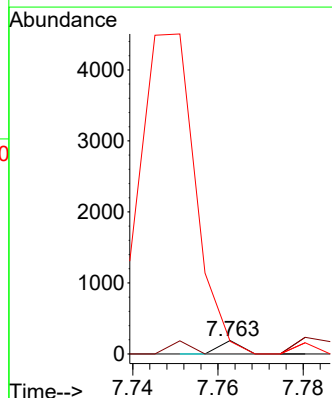
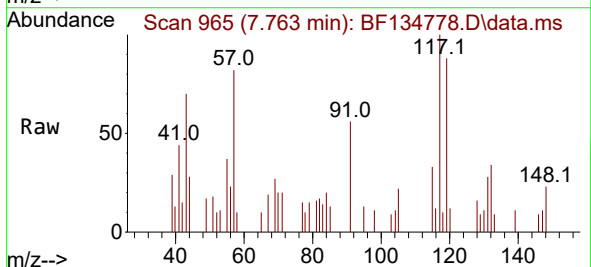
Tgt Ion:139 Resp: 67

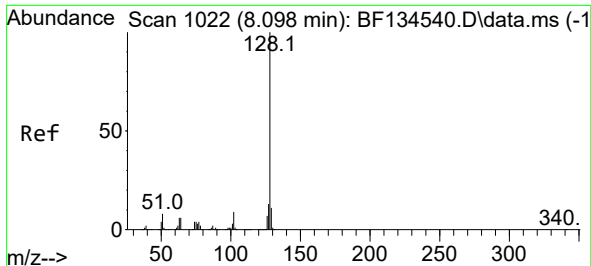
Ion Ratio Lower Upper

139 100

109 0.0 29.8 44.6#

65 94.2 45.4 68.2#

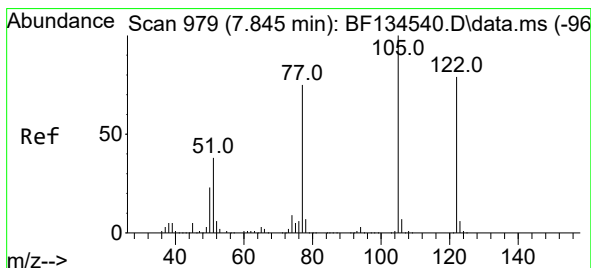
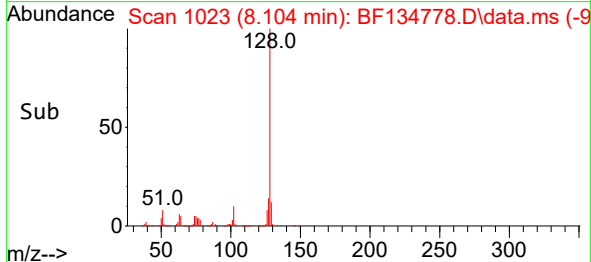
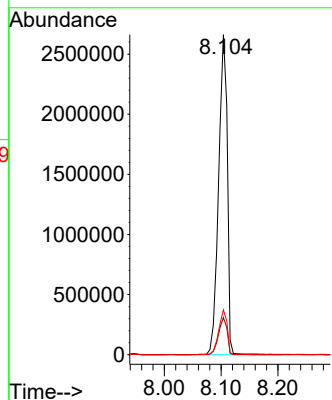
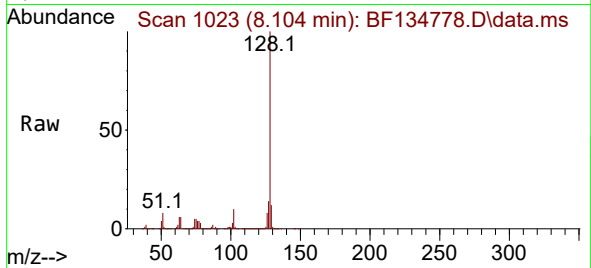




#31
Naphthalene
Concen: 85.595 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

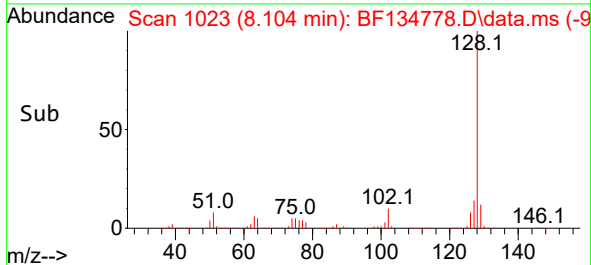
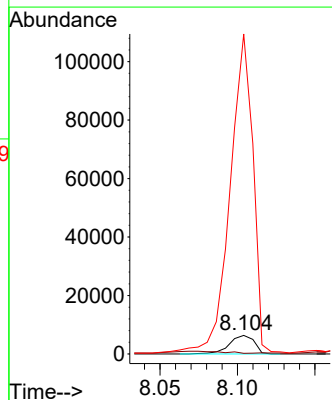
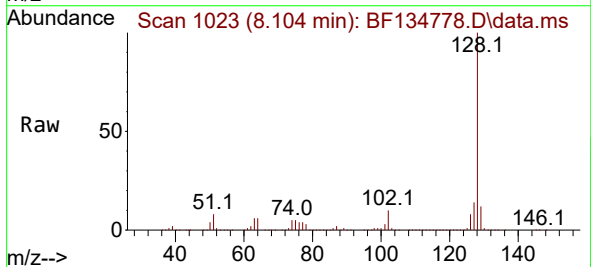
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

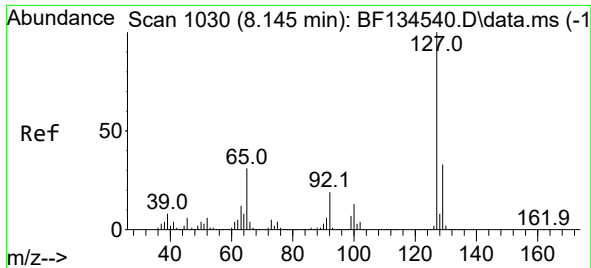
Tgt Ion:128 Resp: 2815971
Ion Ratio Lower Upper
128 100
129 11.6 8.4 12.6
127 14.0 10.7 16.1



#32
Benzoic acid
Concen: 8.762 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:122 Resp: 7119
Ion Ratio Lower Upper
122 100
105 3.7 87.5 127.5#
77 1716.4 71.4 111.4#

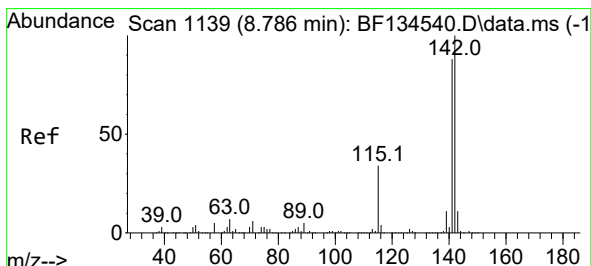
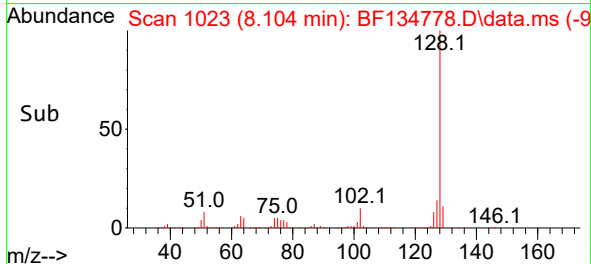
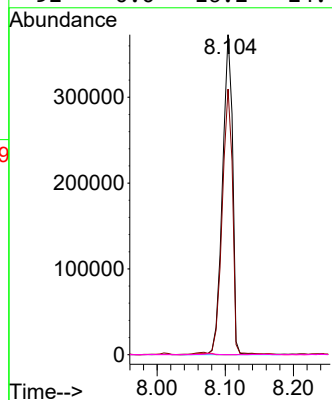
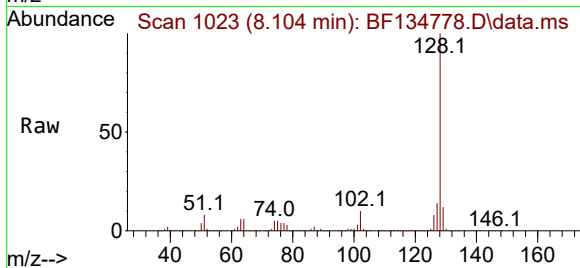




#33
4-Chloroaniline
Concen: 26.337 ng
RT: 8.104 min Scan# 1140
Delta R.T. -0.047 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

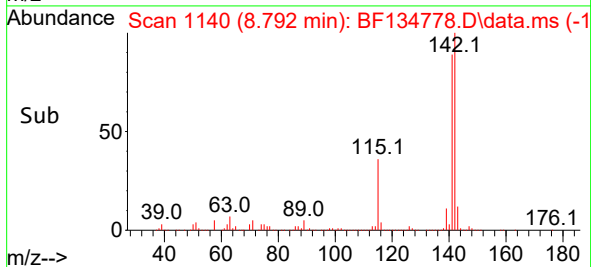
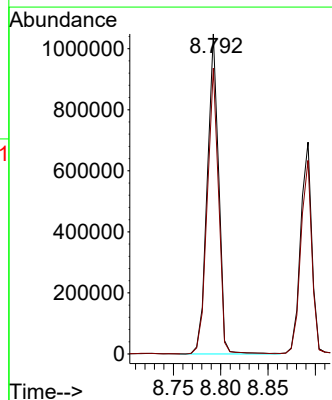
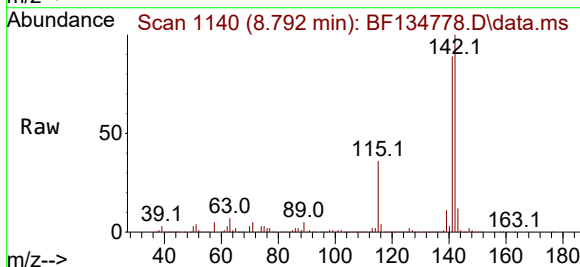
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

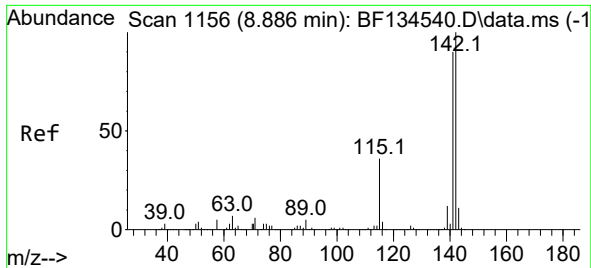
Tgt Ion:127 Resp: 386069
Ion Ratio Lower Upper
127 100
129 83.0 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#



#37
2-Methylnaphthalene
Concen: 40.197 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:142 Resp: 876567
Ion Ratio Lower Upper
142 100
141 89.4 70.8 106.2

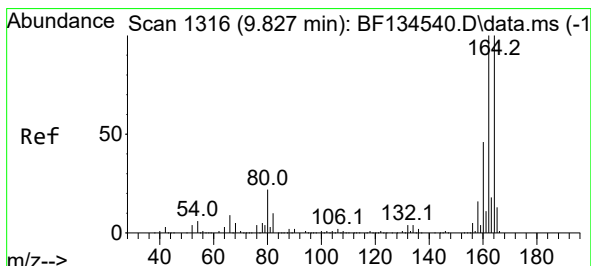
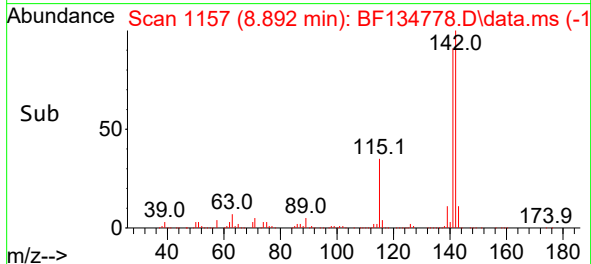
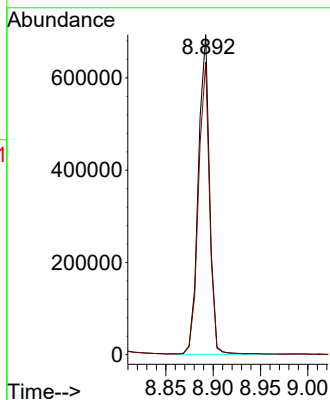
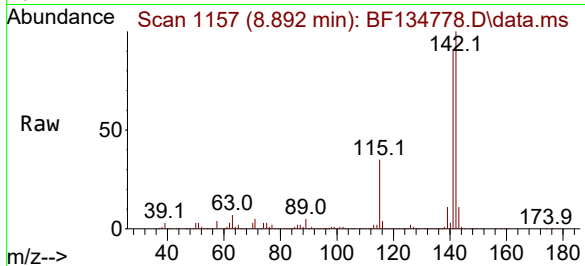




#38
1-Methylnaphthalene
Concen: 28.241 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

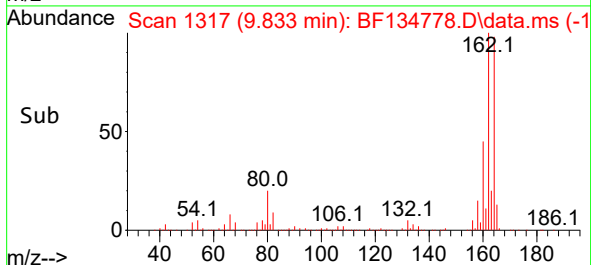
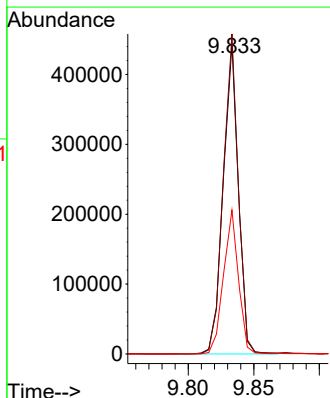
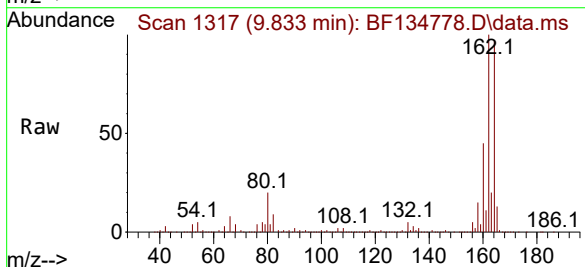
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

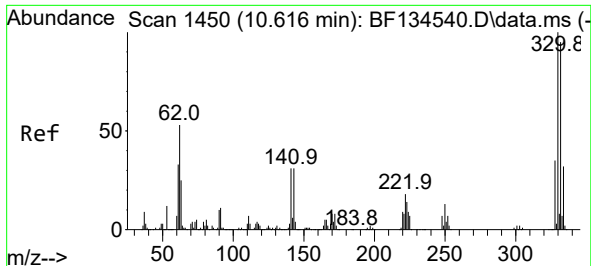
Tgt Ion:142 Resp: 572673
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:164 Resp: 357625
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 46.4 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 0.382 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134778.D

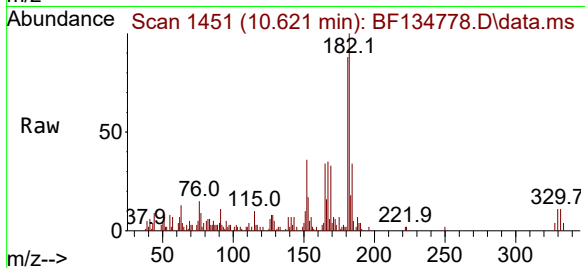
Acq: 15 Aug 2023 10:51

Instrument :

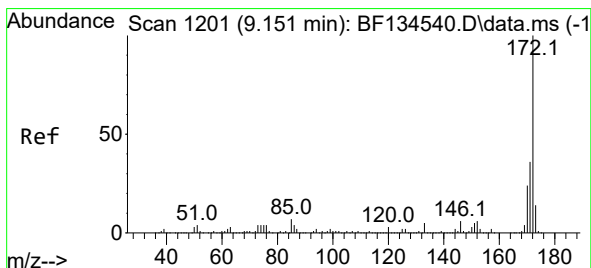
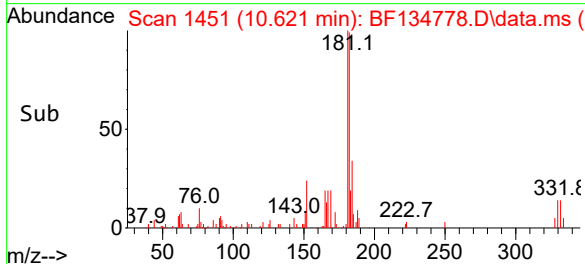
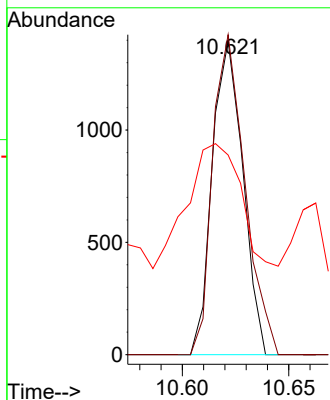
BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL



Tgt Ion:	330	Resp:	1392
Ion Ratio	Lower	Upper	
330	100		
332	107.9	78.8	118.2
141	68.8	25.4	38.2#



#45

2-Fluorobiphenyl

Concen: 0.413 ng

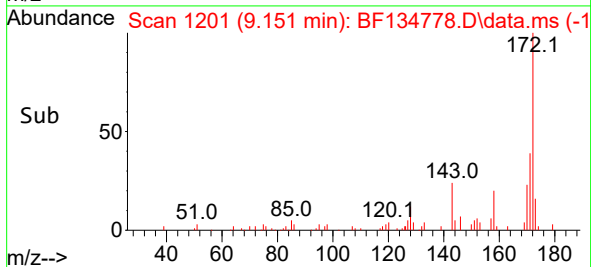
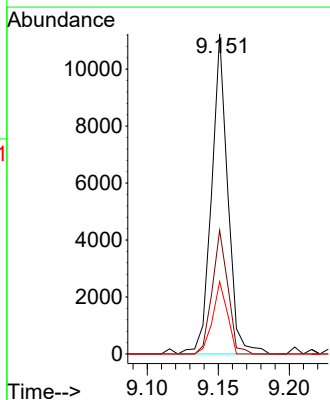
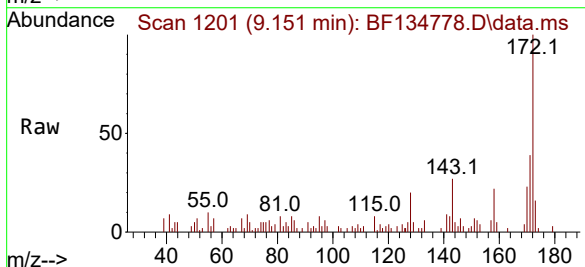
RT: 9.151 min Scan# 1201

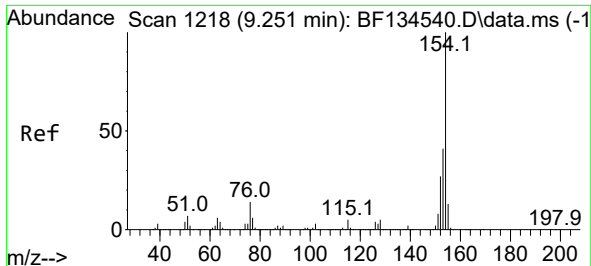
Delta R.T. -0.012 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Tgt Ion:	172	Resp:	8873
Ion Ratio	Lower	Upper	
172	100		
171	38.6	28.8	43.2
170	22.6	18.7	28.1

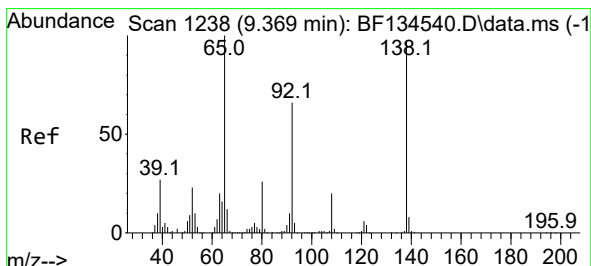
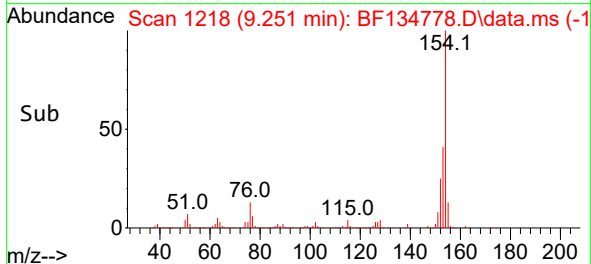
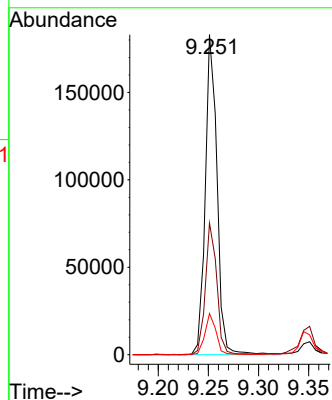
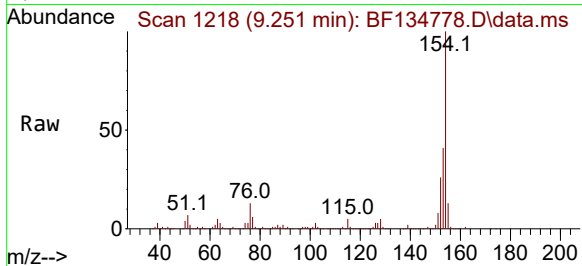




#46
1,1'-Biphenyl
Concen: 5.402 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

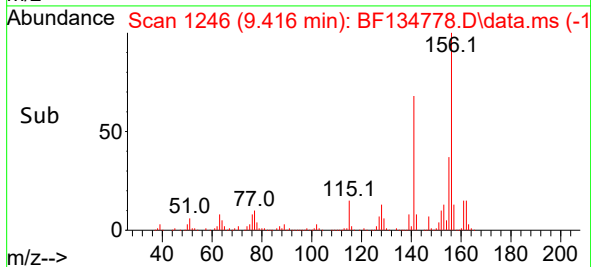
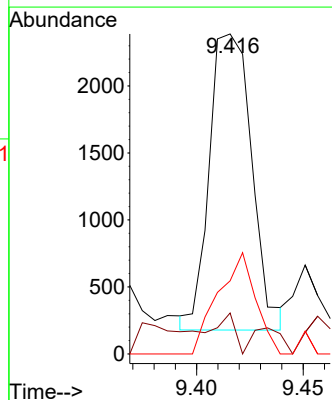
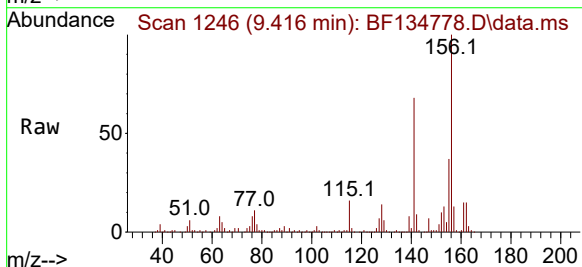
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

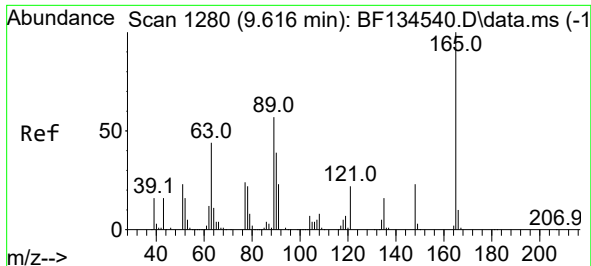
Tgt Ion:154 Resp: 150219
Ion Ratio Lower Upper
154 100
153 41.1 20.8 60.8
76 12.9 0.0 30.2



#48
2-Nitroaniline
Concen: 3.605 ng
RT: 9.416 min Scan# 1246
Delta R.T. 0.035 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion: 65 Resp: 3053
Ion Ratio Lower Upper
65 100
92 12.8 50.7 76.1#
138 22.9 78.2 117.4#

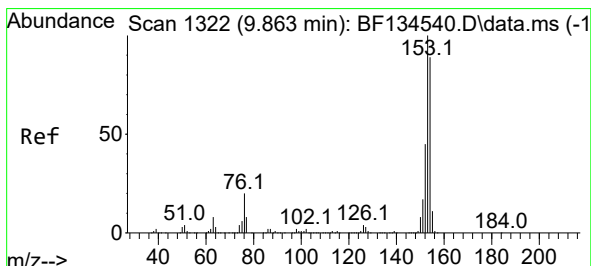
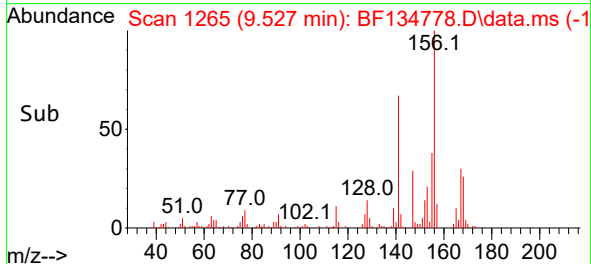
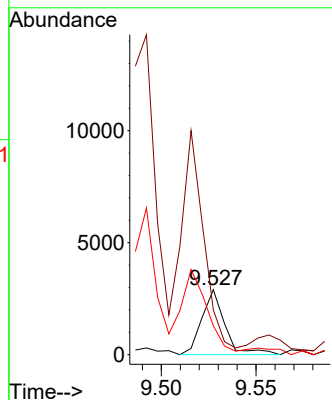
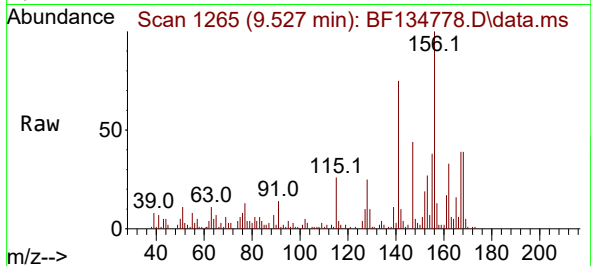




#51
2,6-Dinitrotoluene
Concen: 2.961 ng
RT: 9.527 min Scan# 11
Delta R.T. -0.100 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

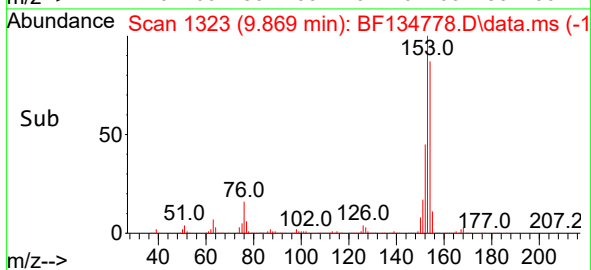
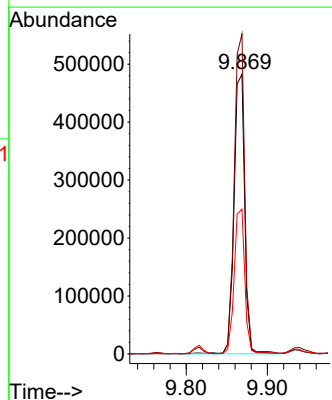
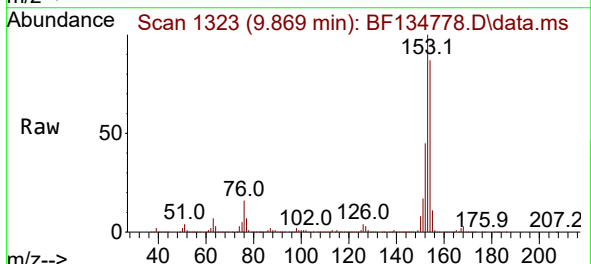
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

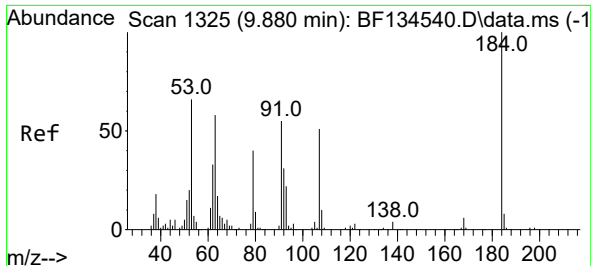
Tgt Ion:165 Resp: 2453
Ion Ratio Lower Upper
165 100
63 68.9 57.8 86.6
89 44.5 51.8 77.8#



#52
Acenaphthene
Concen: 20.562 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:154 Resp: 436474
Ion Ratio Lower Upper
154 100
153 114.5 90.0 135.0
152 51.8 42.4 63.6

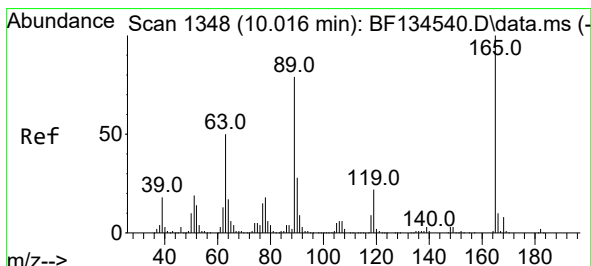
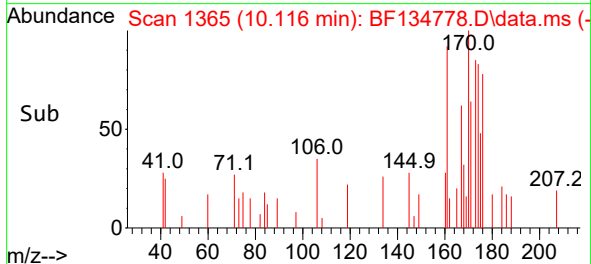
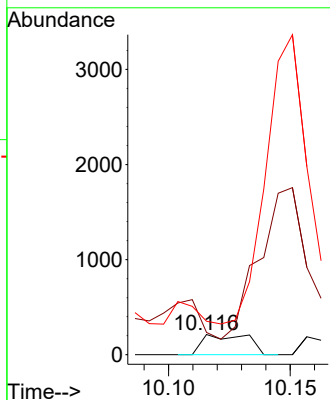
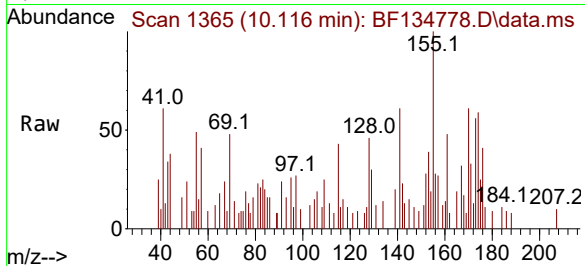




#54
2,4-Dinitrophenol
Concen: 6.963 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

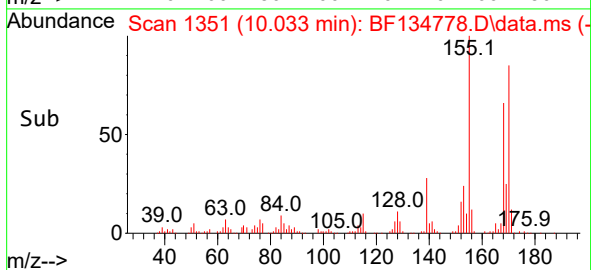
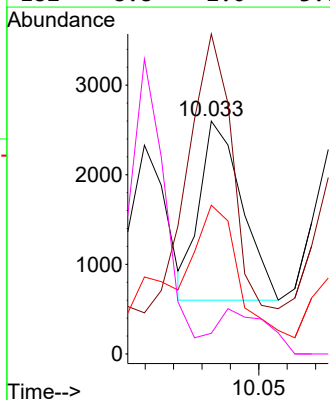
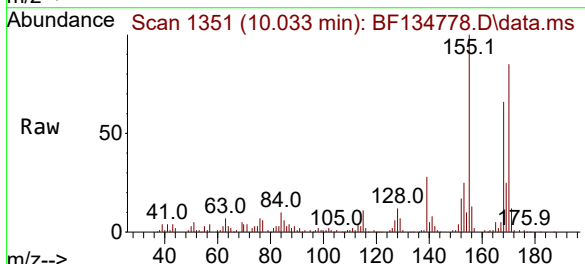
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

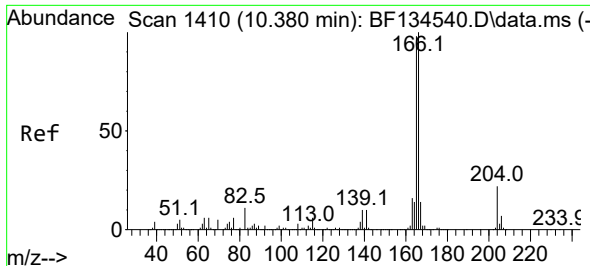
Tgt Ion:184 Resp: 271
Ion Ratio Lower Upper
184 100
63 110.4 57.1 85.7#
154 165.6 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 3.173 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:165 Resp: 2069
Ion Ratio Lower Upper
165 100
63 137.4 48.9 73.3#
89 63.9 61.7 92.5
182 8.8 2.0 3.0#

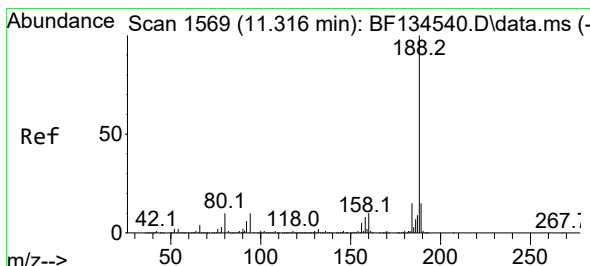
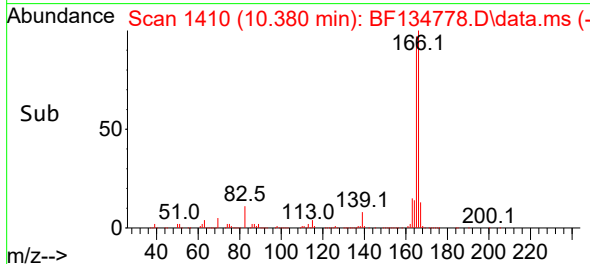
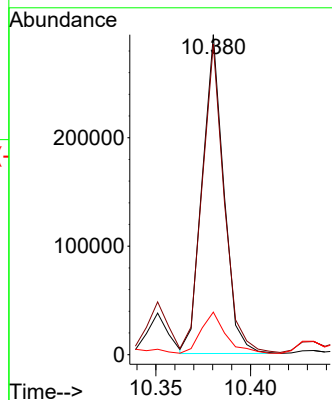
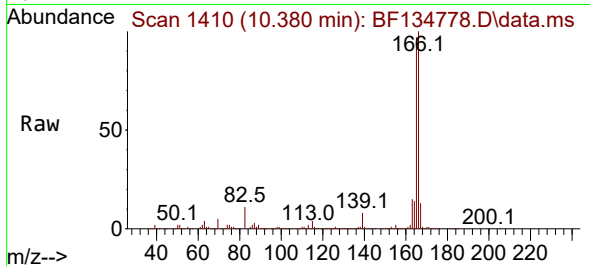




#58
Fluorene
Concen: 10.589 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

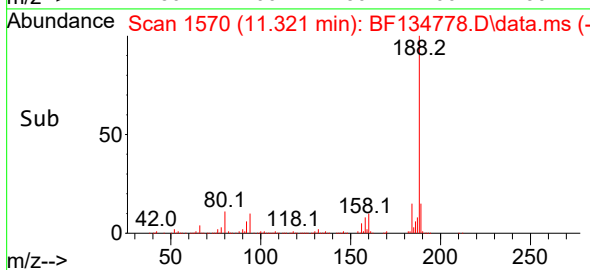
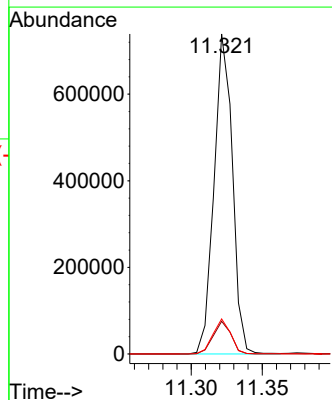
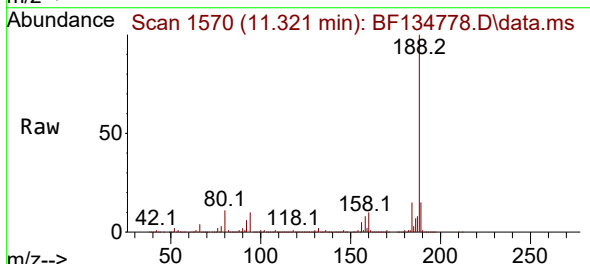
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

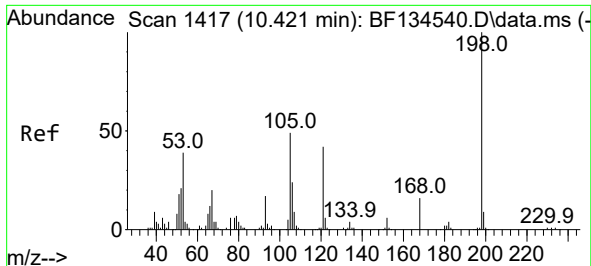
Tgt Ion:166 Resp: 233055
Ion Ratio Lower Upper
166 100
165 97.0 74.5 111.7
167 13.3 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:188 Resp: 664685
Ion Ratio Lower Upper
188 100
94 10.2 5.1 7.7#
80 11.0 6.6 9.8#

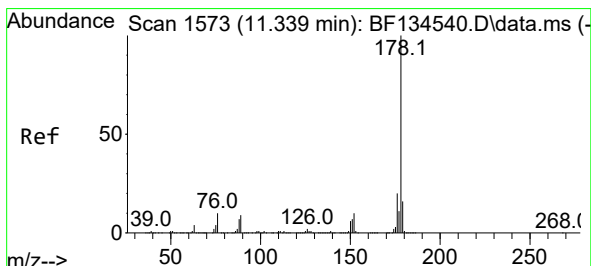
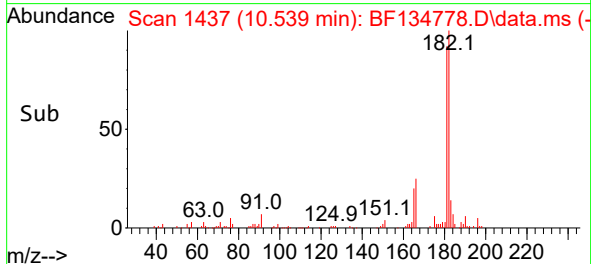
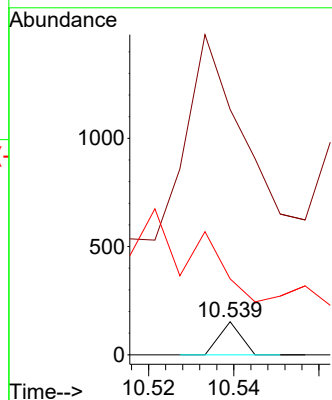
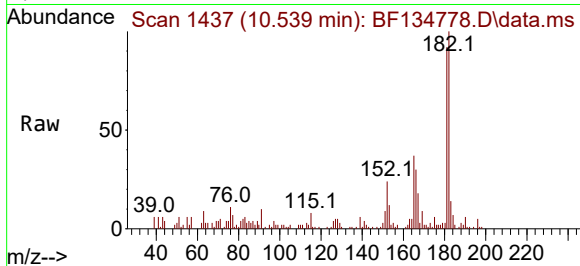




#65
4,6-Dinitro-2-methylphenol
Concen: 8.715 ng
RT: 10.539 min Scan# 1417
Delta R.T. 0.100 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

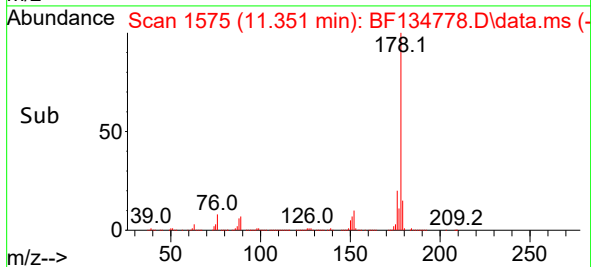
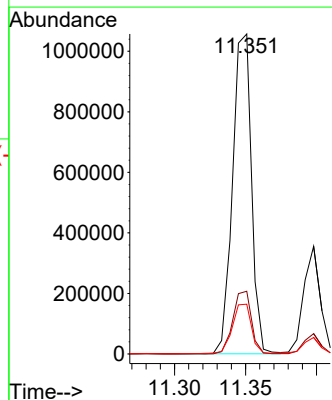
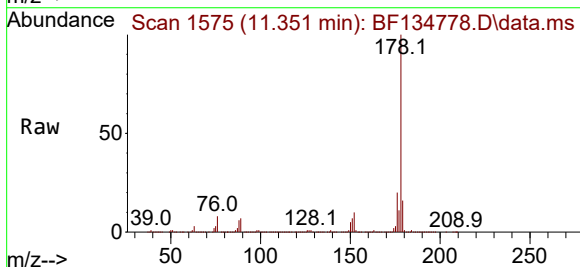
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

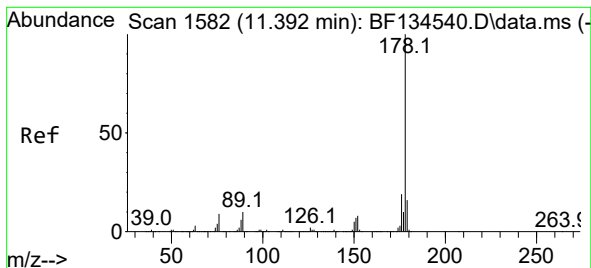
Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 741.2 38.6 78.6#
105 229.4 27.9 67.9#



#71
Phenanthrene
Concen: 27.663 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:178 Resp: 976636
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.7 19.1





#72

Anthracene

Concen: 7.787 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL

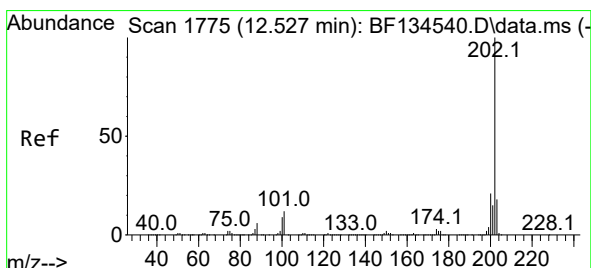
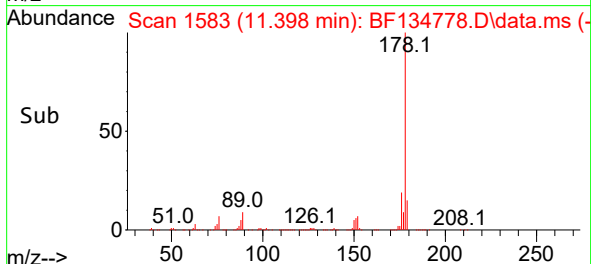
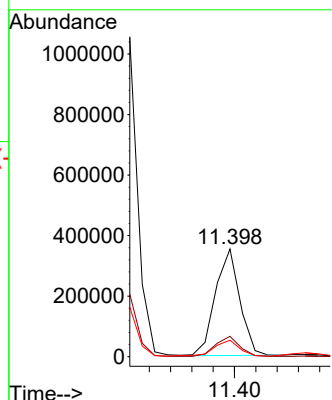
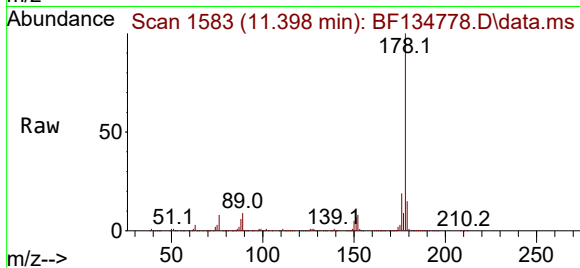
Tgt Ion:178 Resp: 280835

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

179 15.3 12.3 18.5



#75

Fluoranthene

Concen: 9.885 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.000 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

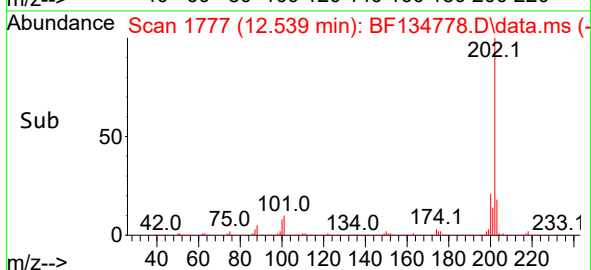
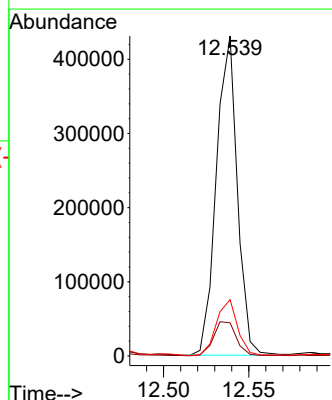
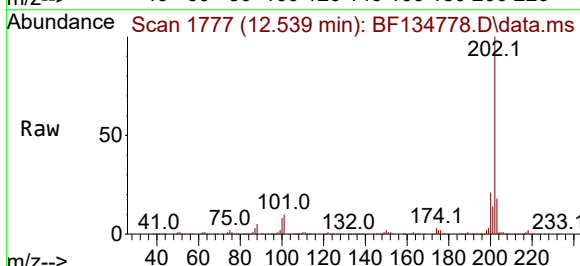
Tgt Ion:202 Resp: 368656

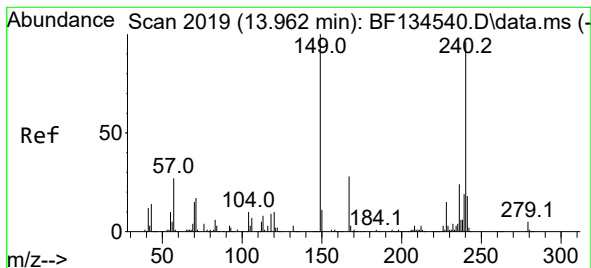
Ion Ratio Lower Upper

202 100

101 10.3 0.0 28.5

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL

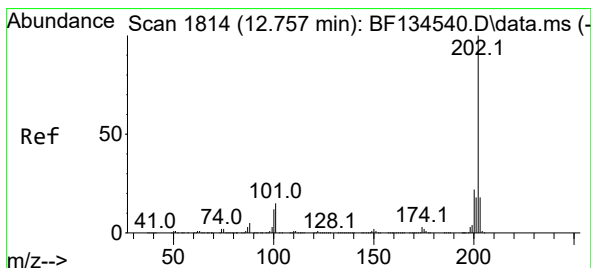
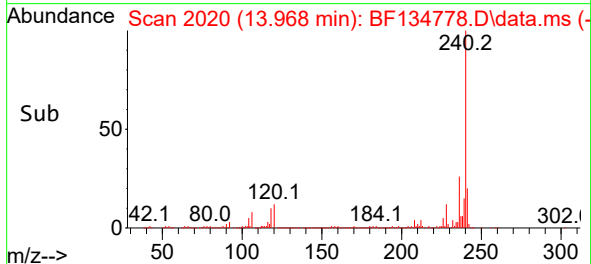
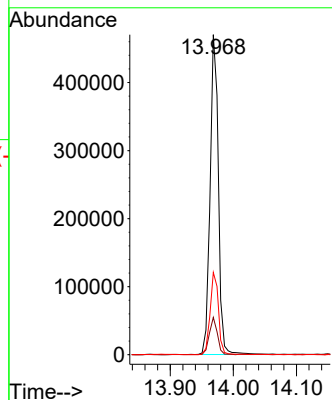
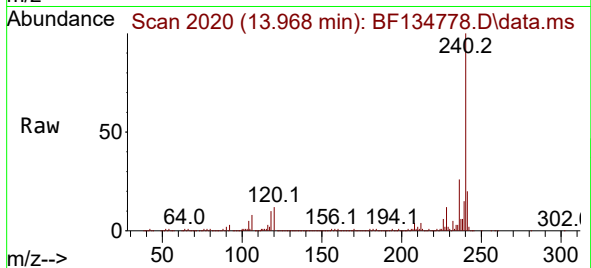
Tgt Ion:240 Resp: 429191

Ion Ratio Lower Upper

240 100

120 11.7 6.6 10.0#

236 25.7 20.2 30.2



#78

Pyrene

Concen: 15.043 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.000 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

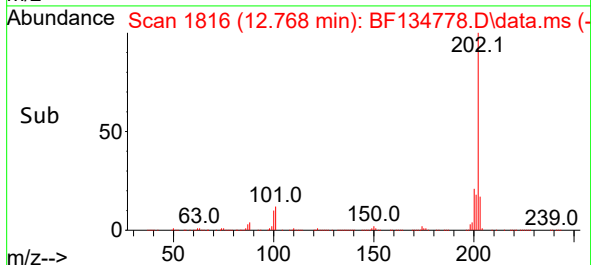
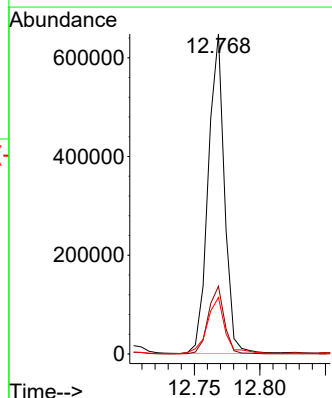
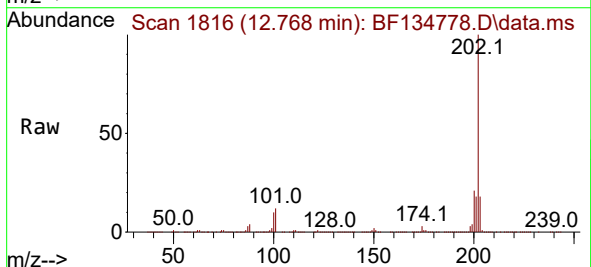
Tgt Ion:202 Resp: 558690

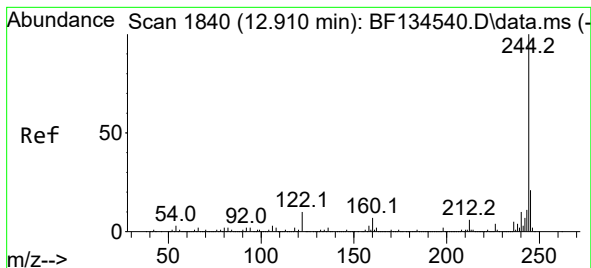
Ion Ratio Lower Upper

202 100

200 21.2 15.8 23.8

203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 0.478 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134778.D

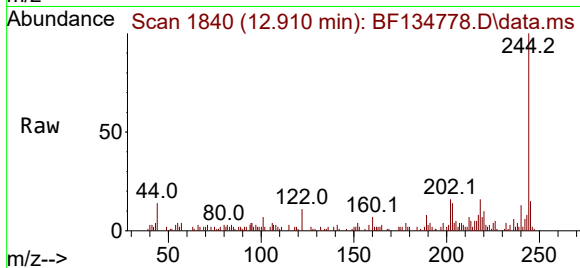
Acq: 15 Aug 2023 10:51

Instrument :

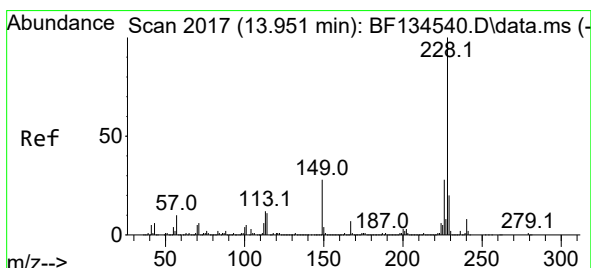
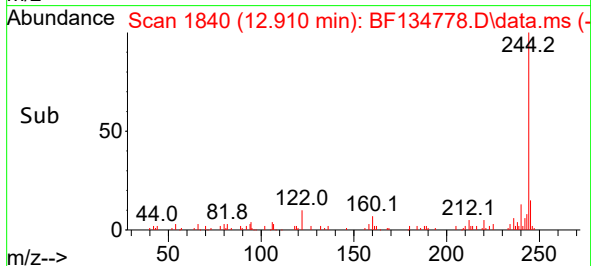
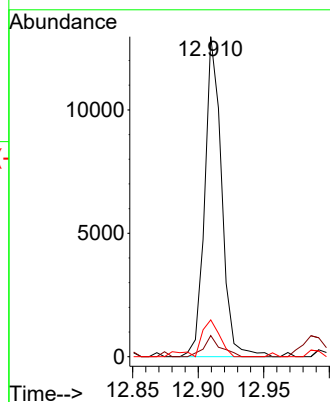
BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL



Tgt Ion:	244	Resp:	11646
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.6	8.4
122	11.5	8.0	12.0



#81

Benzo(a)anthracene

Concen: 4.270 ng

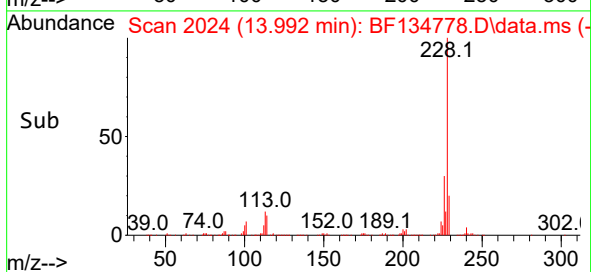
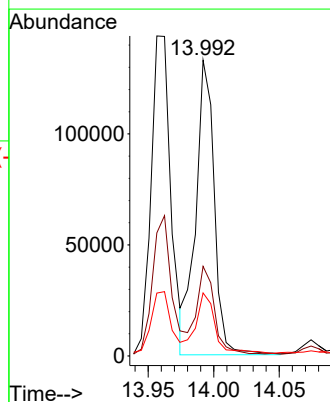
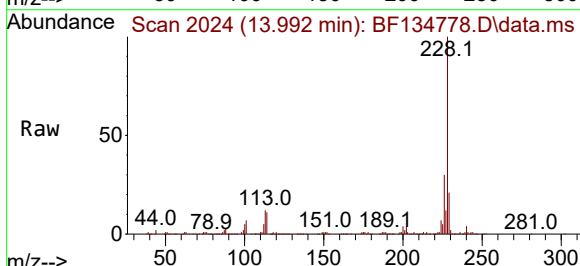
RT: 13.992 min Scan# 2024

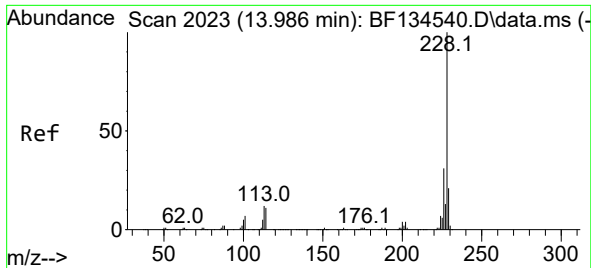
Delta R.T. 0.029 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Tgt Ion:	228	Resp:	131042
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.3	33.5
229	21.3	15.8	23.6





#83

Chrysene

Concen: 4.383 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL

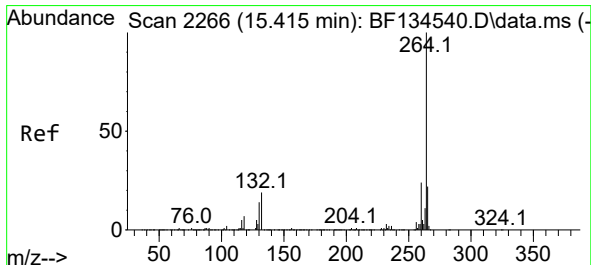
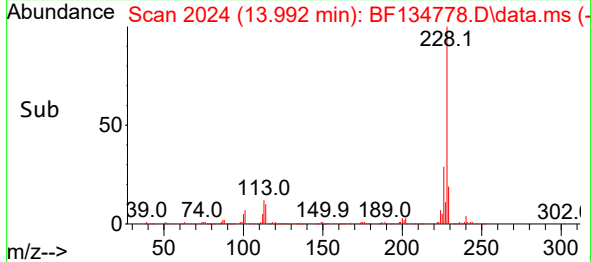
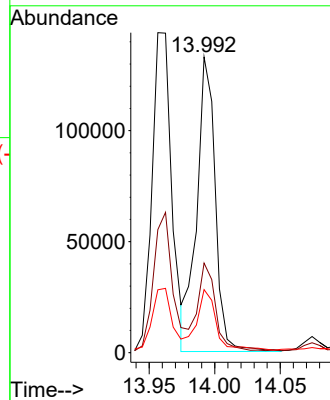
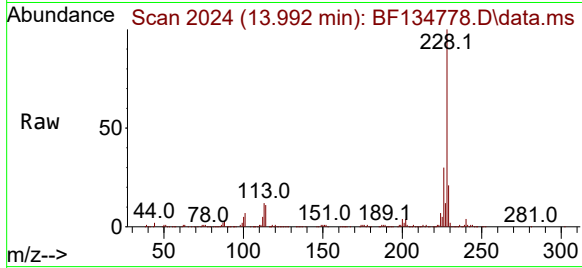
Tgt Ion:228 Resp: 131042

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 21.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

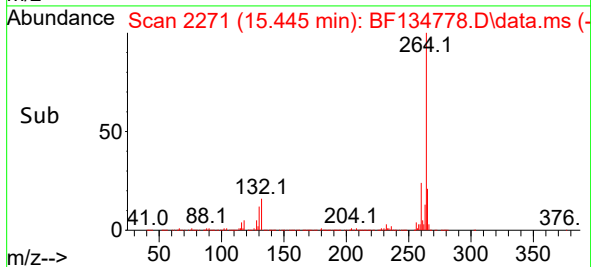
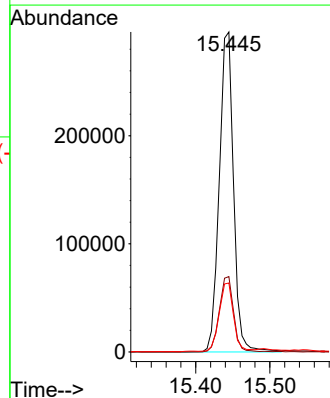
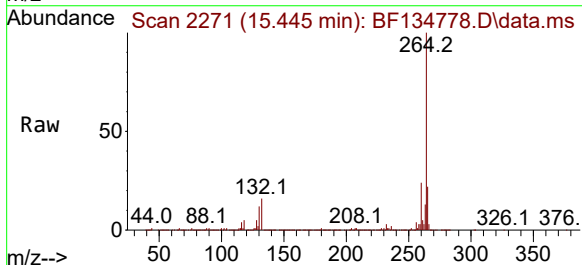
Tgt Ion:264 Resp: 396076

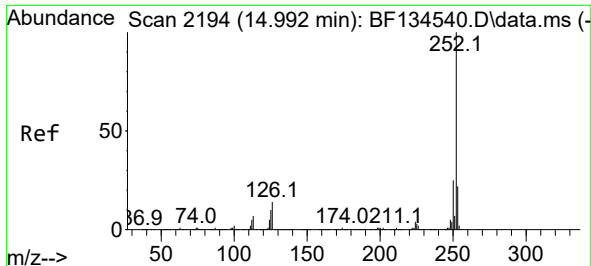
Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.6 15.8 23.8

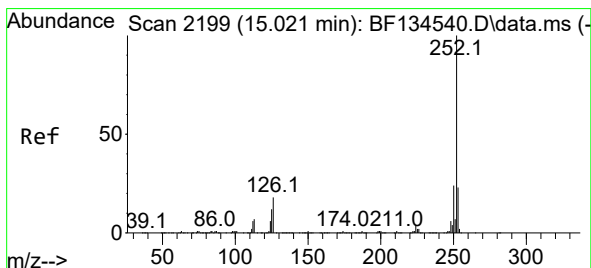
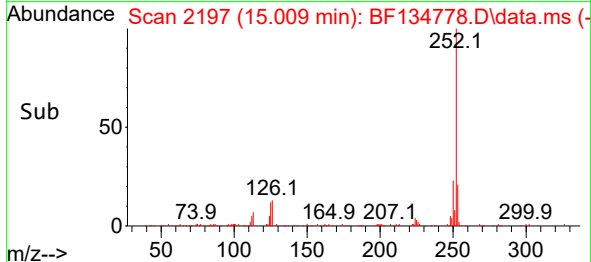
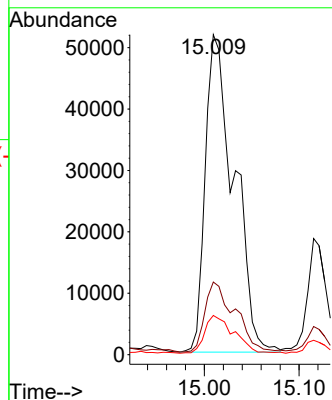
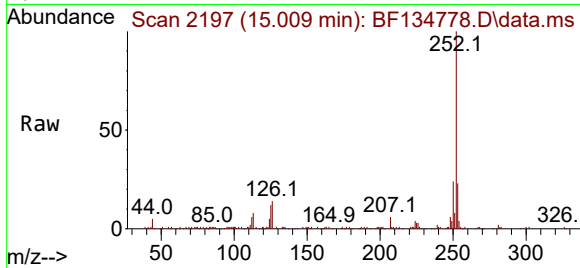




#88
Benzo(b)fluoranthene
Concen: 4.521 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

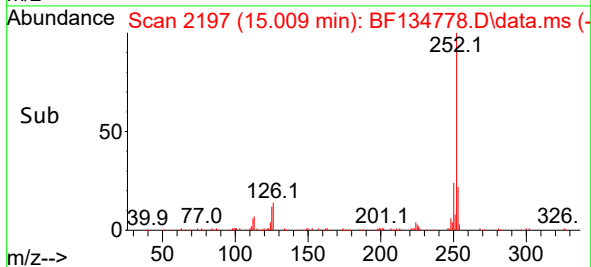
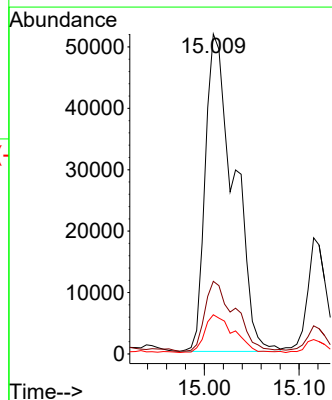
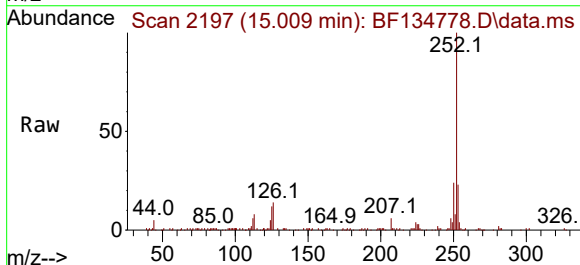
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL

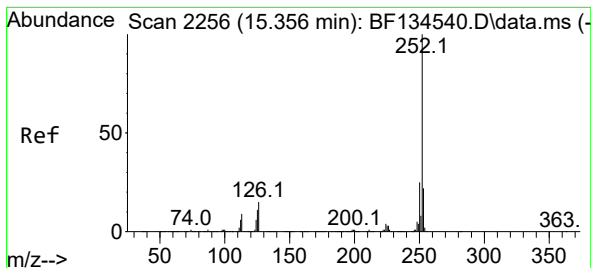
Tgt Ion:252 Resp: 109216
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.2 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 4.539 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.030 min
Lab File: BF134778.D
Acq: 15 Aug 2023 10:51

Tgt Ion:252 Resp: 109216
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 12.2 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 4.617 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL

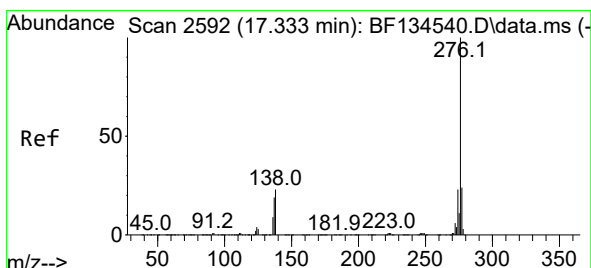
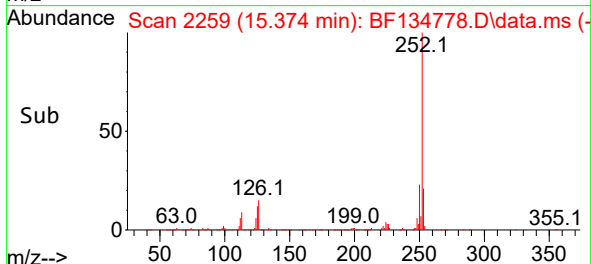
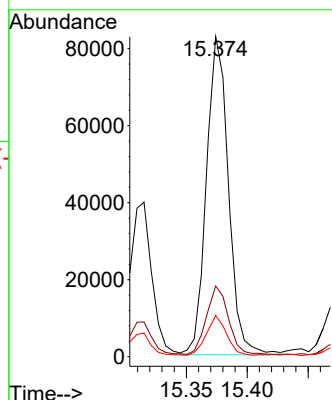
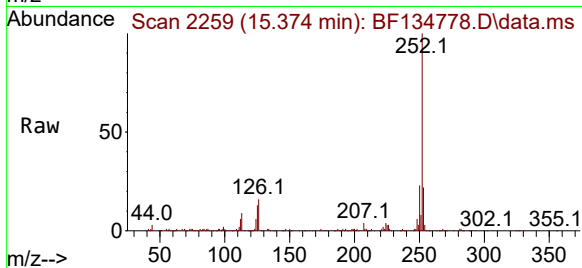
Tgt Ion:252 Resp: 103988

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.4

125 12.9 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 2.168 ng

RT: 17.380 min Scan# 2600

Delta R.T. 0.006 min

Lab File: BF134778.D

Acq: 15 Aug 2023 10:51

Tgt Ion:276 Resp: 41634

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.6

138 21.1 12.2 18.2#

