

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134779.D
 Acq On : 15 Aug 2023 11:24
 Operator : CG\JU
 Sample : 03975-02DL 100X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 16 03:09:31 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

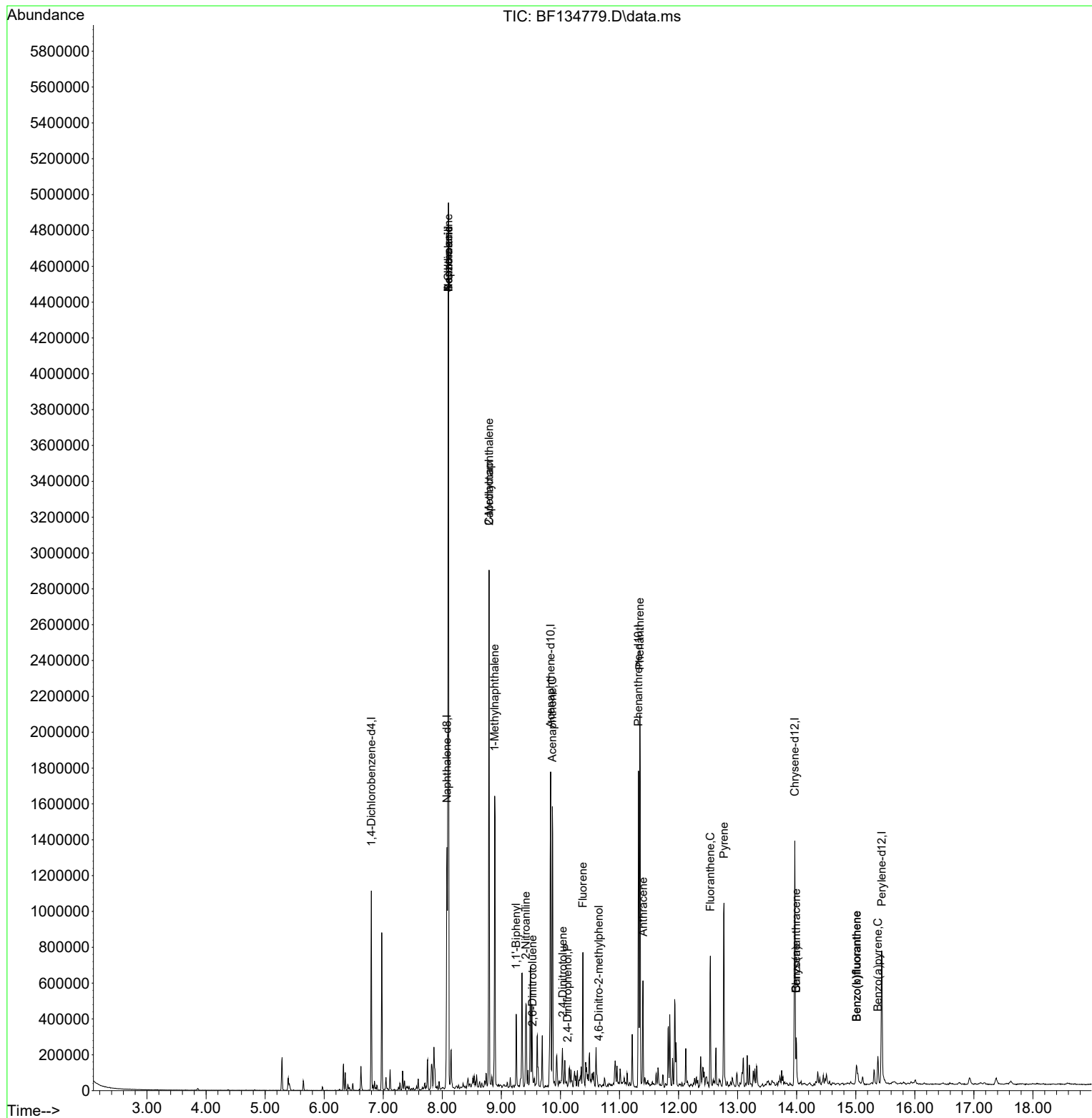
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	150710	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	620027	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	334677	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	637039	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	407493	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	365569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	5509	0.556	ng	0.00
7) Phenol-d6	6.422	99	6836	0.539	ng	-0.02
23) Nitrobenzene-d5	7.351	82	4616	0.465	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	1917	0.562	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	12613	0.627	ng	-0.01
79) Terphenyl-d14	12.910	244	15255	0.660	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.357	77	3827	Below Cal	#	1
31) Naphthalene	8.104	128	2305382	73.982	ng	98
32) Benzoic acid	8.104	122	5947	8.657	ng	# 1
33) 4-Chloroaniline	8.104	127	310942	22.395	ng	# 33
35) Caprolactam	8.792	113	15454	5.466	ng	# 1
37) 2-Methylnaphthalene	8.792	142	695891	33.691	ng	98
38) 1-Methylnaphthalene	8.886	142	439230	22.868	ng	99
46) 1,1'-Biphenyl	9.251	154	114362	4.394	ng	96
48) 2-Nitroaniline	9.416	65	2759	3.590	ng	# 26
51) 2,6-Dinitrotoluene	9.527	165	2253	2.953	ng	# 70
52) Acenaphthene	9.863	154	337822	17.006	ng	98
54) 2,4-Dinitrophenol	10.122	184	56	6.821	ng	# 20
57) 2,4-Dinitrotoluene	10.039	165	1782	3.148	ng	# 58
58) Fluorene	10.380	166	177510	8.618	ng	95
65) 4,6-Dinitro-2-methylph...	10.651	198	191	8.760	ng	# 31
71) Phenanthrene	11.345	178	773636	22.864	ng	99
72) Anthracene	11.398	178	214138	6.196	ng	100
75) Fluoranthene	12.539	202	281886	7.887	ng	98
78) Pyrene	12.768	202	433079	12.282	ng	98
81) Benzo(a)anthracene	13.992	228	99488	3.414	ng	96
83) Chrysene	13.992	228	99488	3.505	ng	99
88) Benzo(b)fluoranthene	15.015	252	82585	3.704	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	82585	3.718	ng	# 96
90) Benzo(a)pyrene	15.374	252	78219	3.763	ng	# 95

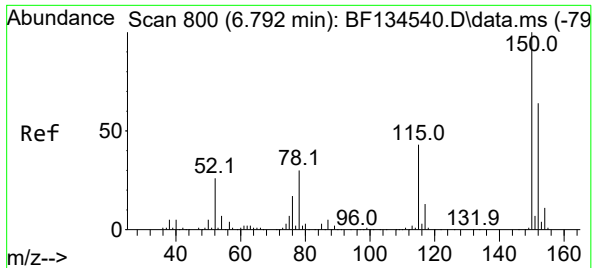
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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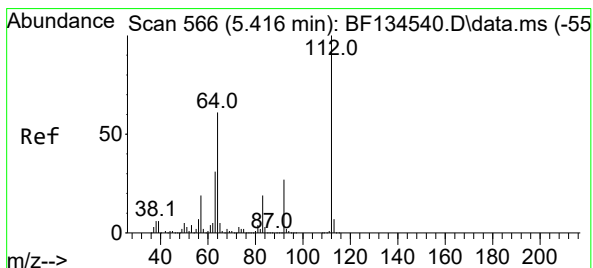
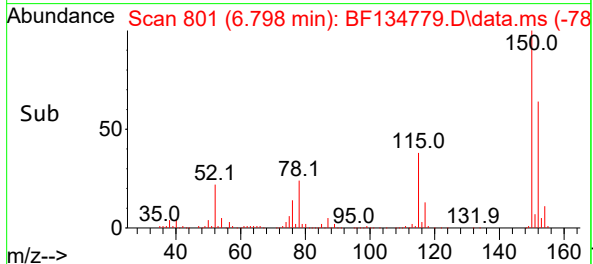
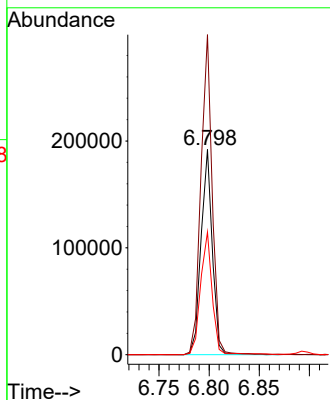
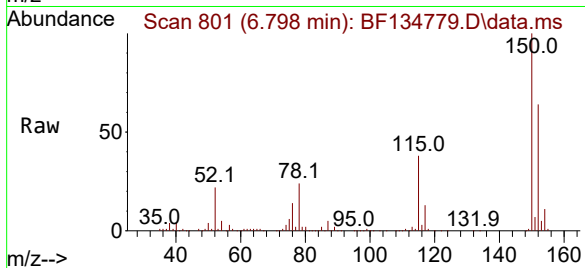




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

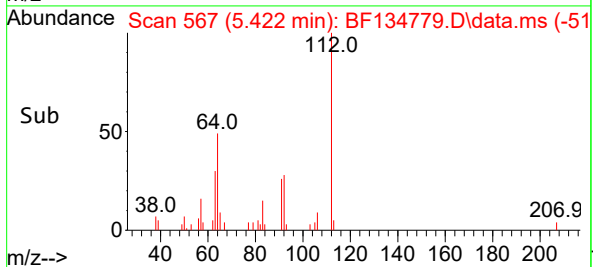
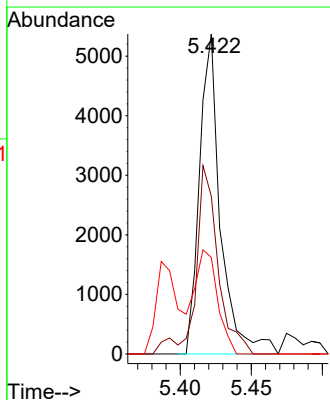
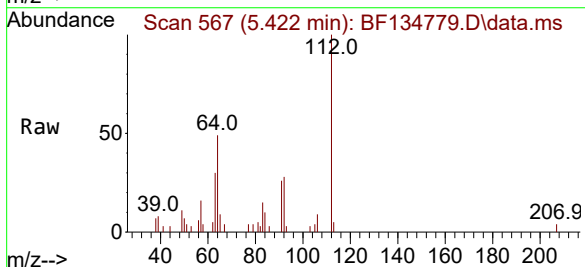
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12-QDL

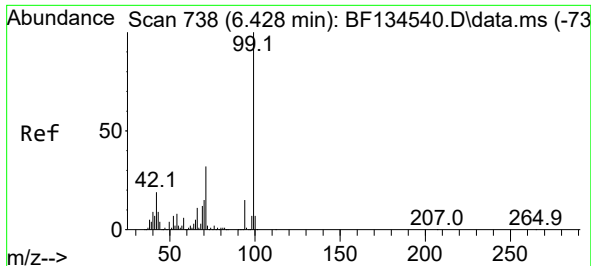
Tgt Ion:152 Resp: 150710
Ion Ratio Lower Upper
152 100
150 155.9 128.3 192.5
115 59.8 52.4 78.6



#5
2-Fluorophenol
Concen: 0.556 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:112 Resp: 5509
Ion Ratio Lower Upper
112 100
64 49.3 44.9 67.3
63 30.2 25.4 38.0





#7

Phenol-d6

Concen: 0.539 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF134779.D

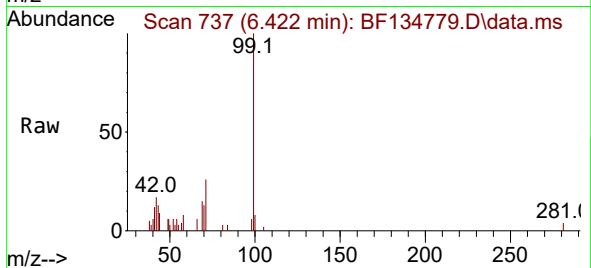
Acq: 15 Aug 2023 11:24

Instrument :

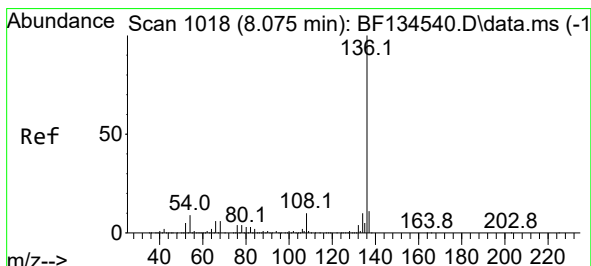
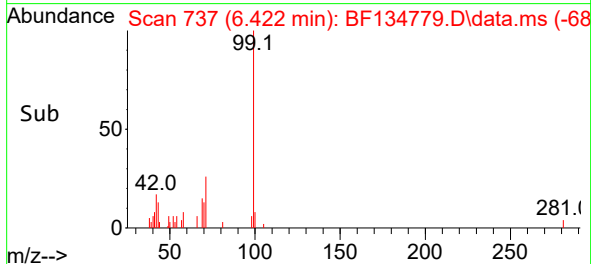
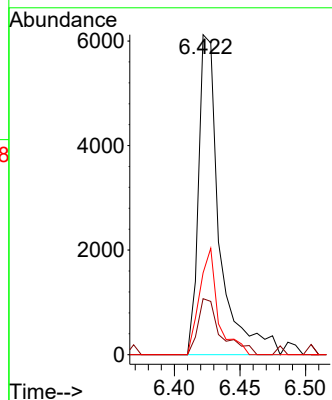
BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL



Tgt Ion:	99	Resp:	6836
Ion	Ratio	Lower	Upper
99	100		
42	17.5	18.7	28.1#
71	25.5	36.4	54.6#



#21

Naphthalene-d8

Concen: 20.000 ng

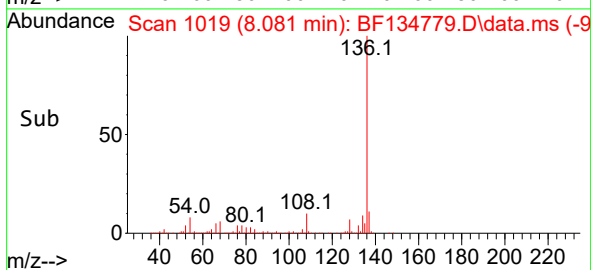
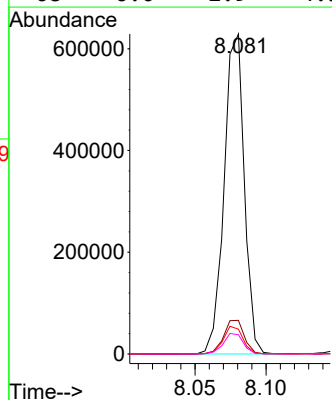
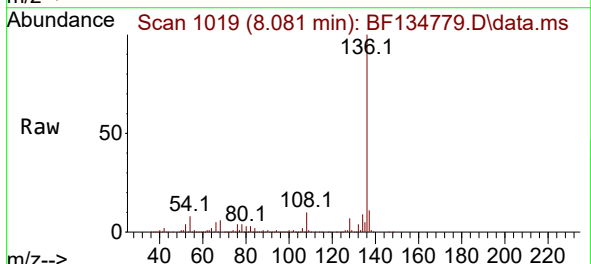
RT: 8.081 min Scan# 1019

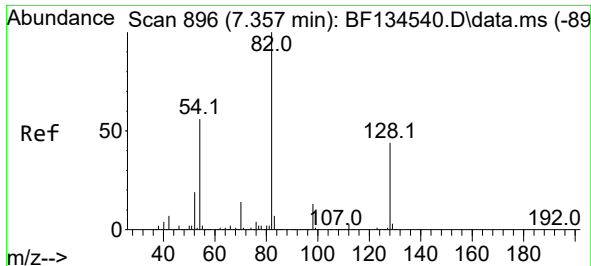
Delta R.T. -0.000 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

Tgt Ion:	136	Resp:	620027
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.8	5.2	7.8
68	6.0	2.9	4.3#





#23

Nitrobenzene-d5

Concen: 0.465 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL

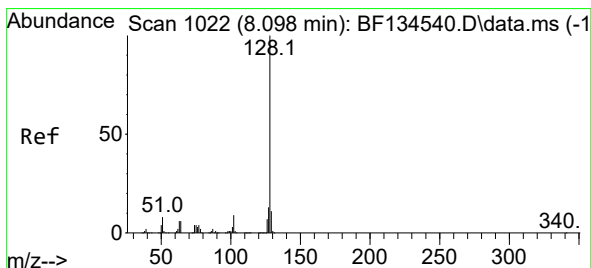
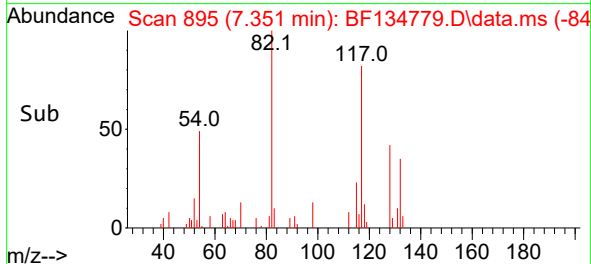
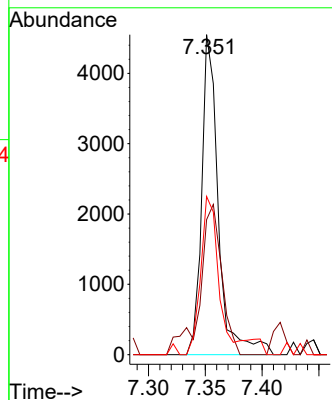
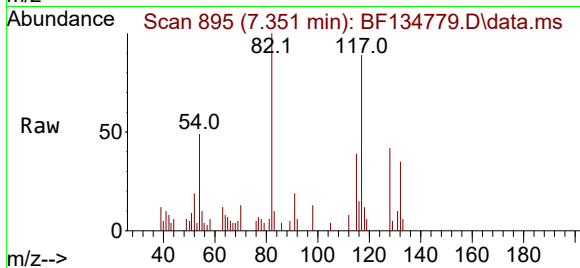
Tgt Ion: 82 Resp: 4616

Ion Ratio Lower Upper

82 100

128 42.2 34.3 51.5

54 49.5 43.8 65.6



#31

Naphthalene

Concen: 73.982 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

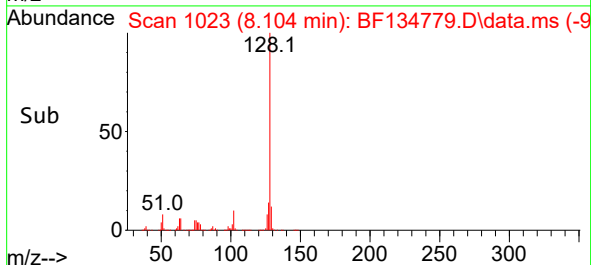
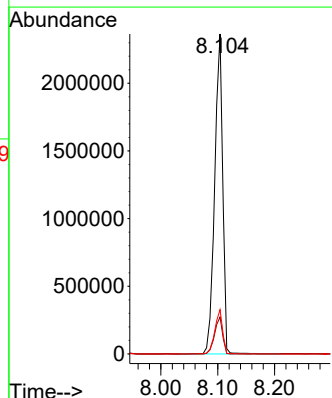
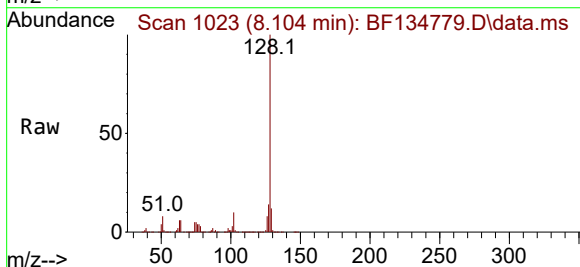
Tgt Ion: 128 Resp: 2305382

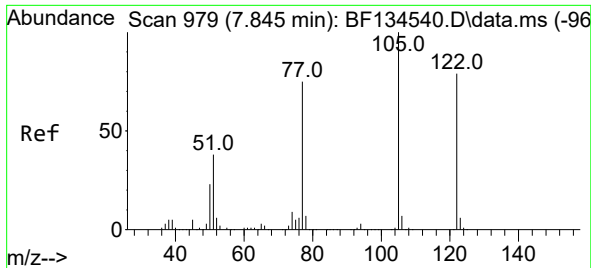
Ion Ratio Lower Upper

128 100

129 11.6 8.4 12.6

127 13.8 10.7 16.1

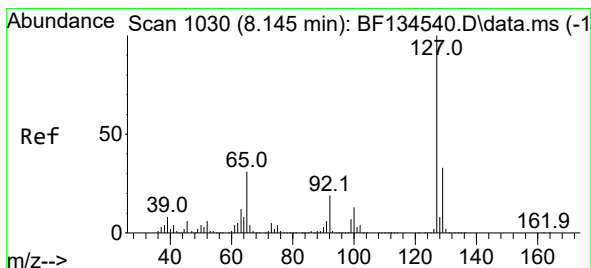
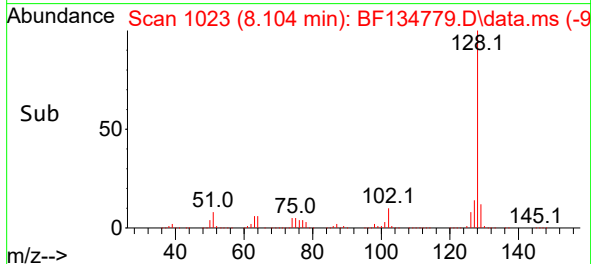
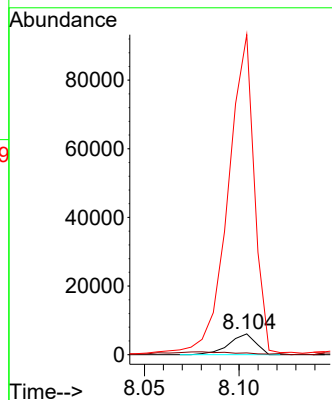
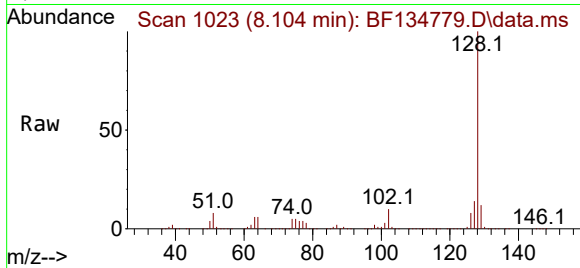




#32
Benzoic acid
Concen: 8.657 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

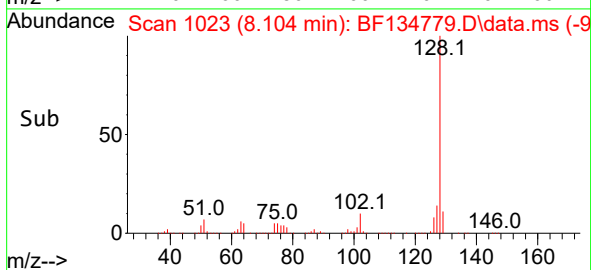
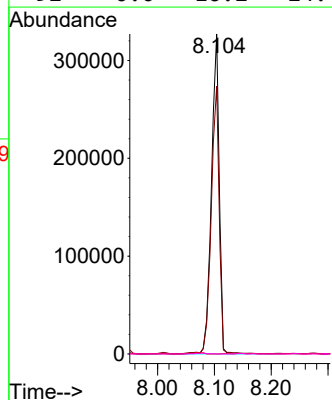
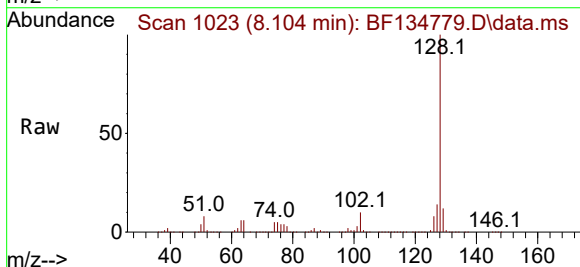
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NEVINS-SB03-Z10-12-QDL

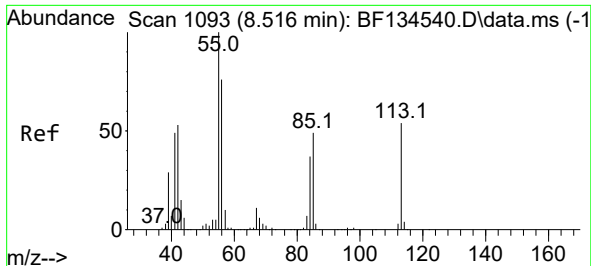
Tgt Ion:122 Resp: 5947
Ion Ratio Lower Upper
122 100
105 8.3 87.5 127.5#
77 1532.8 71.4 111.4#



#33
4-Chloroaniline
Concen: 22.395 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:127 Resp: 310942
Ion Ratio Lower Upper
127 100
129 83.6 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#

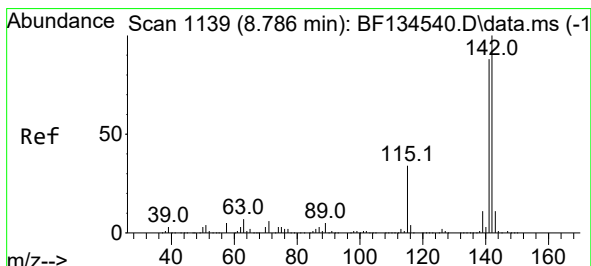
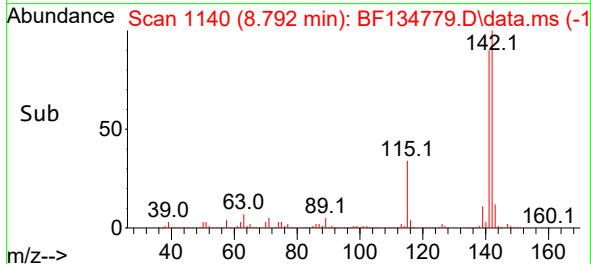
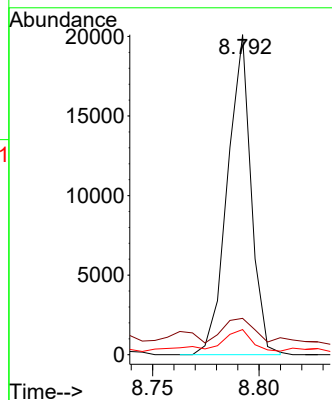
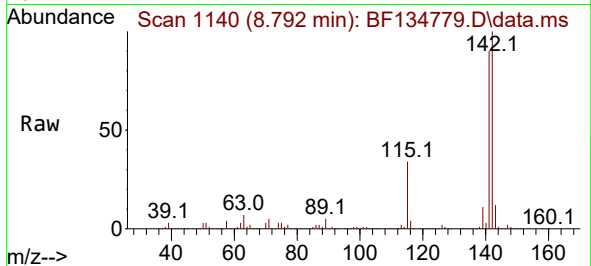




#35
 Caprolactam
 Concen: 5.466 ng
 RT: 8.792 min Scan# 1140
 Delta R.T. 0.259 min
 Lab File: BF134779.D
 Acq: 15 Aug 2023 11:24

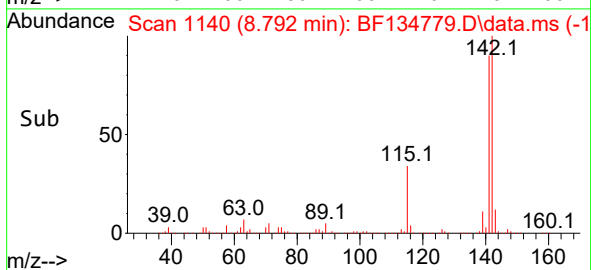
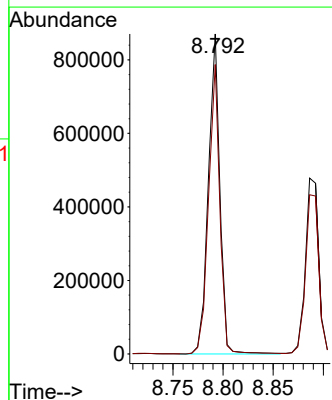
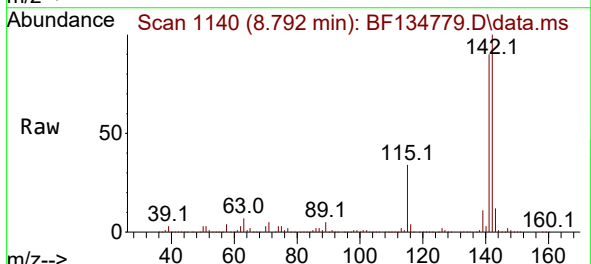
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 NEVINS-SB03-Z10-12-QDL

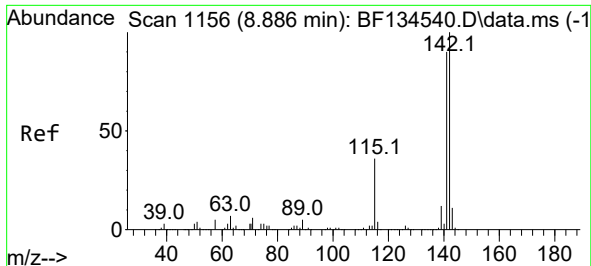
Tgt Ion:113 Resp: 15454
 Ion Ratio Lower Upper
 113 100
 55 11.3 161.5 201.5#
 56 7.9 117.8 157.8#



#37
 2-Methylnaphthalene
 Concen: 33.691 ng
 RT: 8.792 min Scan# 1140
 Delta R.T. -0.000 min
 Lab File: BF134779.D
 Acq: 15 Aug 2023 11:24

Tgt Ion:142 Resp: 695891
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.8 106.2

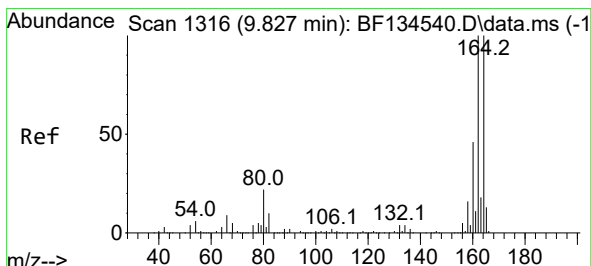
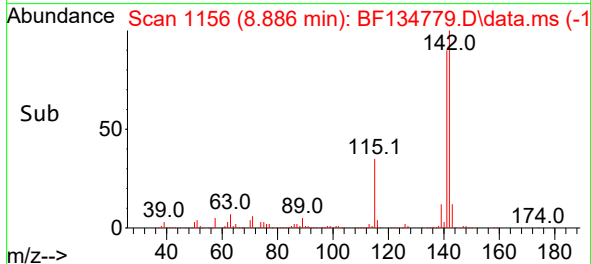
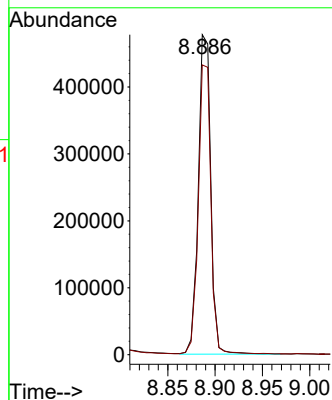
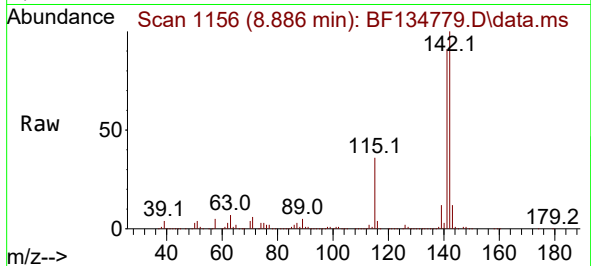




#38
1-Methylnaphthalene
Concen: 22.868 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

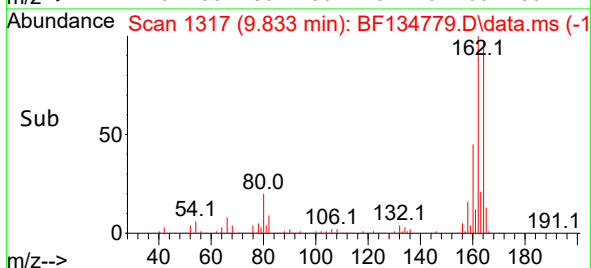
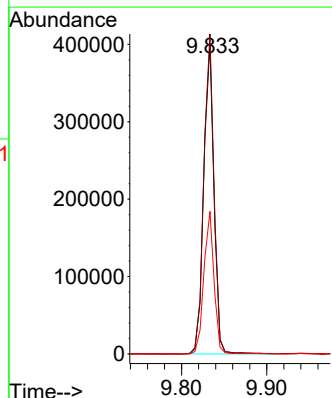
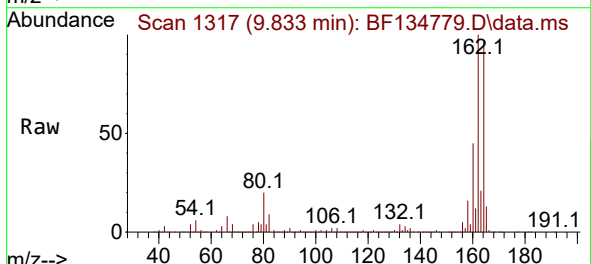
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NEVINS-SB03-Z10-12-QDL

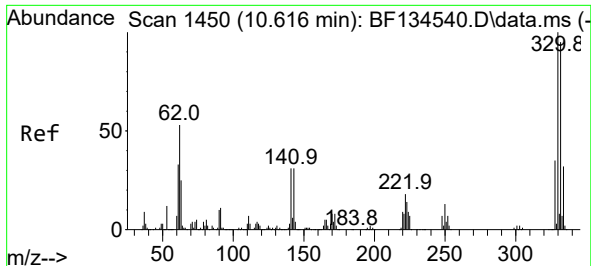
Tgt Ion:142 Resp: 439230
Ion Ratio Lower Upper
142 100
141 90.5 71.4 107.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:164 Resp: 334677
Ion Ratio Lower Upper
164 100
162 103.2 82.6 123.8
160 46.0 37.2 55.8

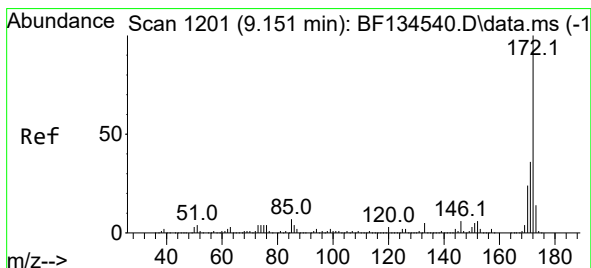
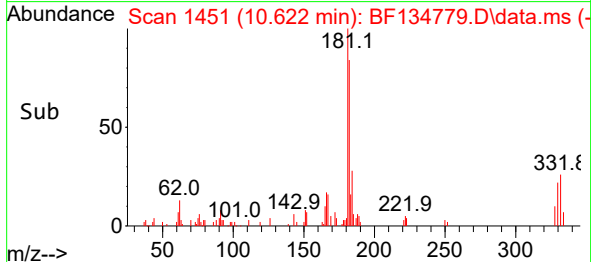
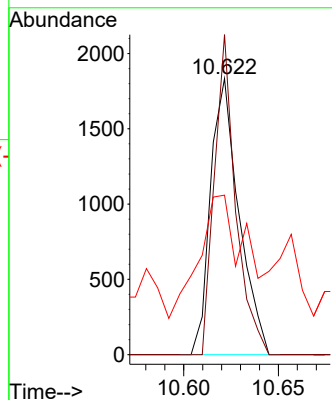
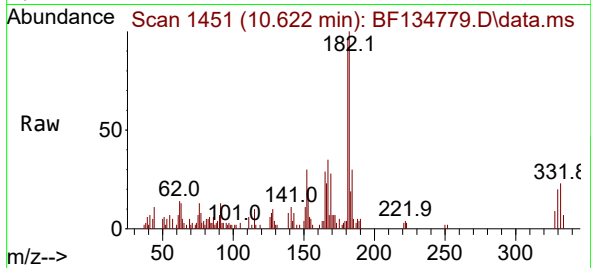




#42
2,4,6-Tribromophenol
Concen: 0.562 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

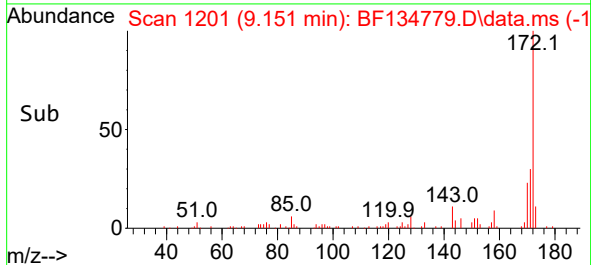
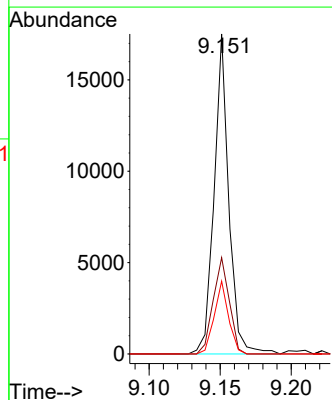
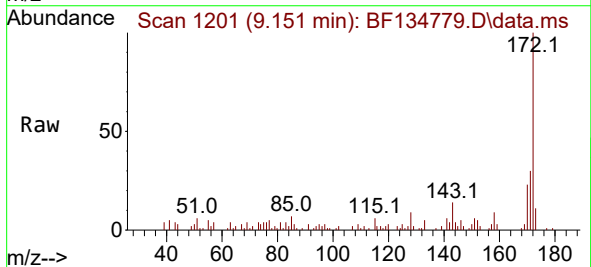
Instrument :
BNA_F
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NEVINS-SB03-Z10-12-QDL

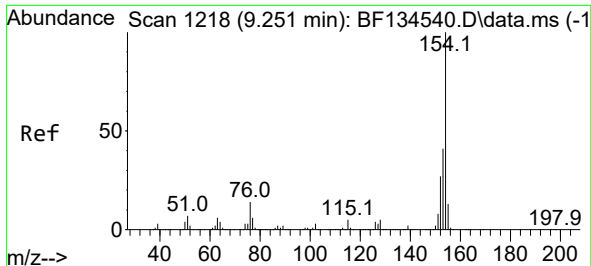
Tgt Ion:330 Resp: 1917
Ion Ratio Lower Upper
330 100
332 86.4 78.8 118.2
141 74.5 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 0.627 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:172 Resp: 12613
Ion Ratio Lower Upper
172 100
171 30.1 28.8 43.2
170 22.7 18.7 28.1





#46

1,1'-Biphenyl

Concen: 4.394 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL

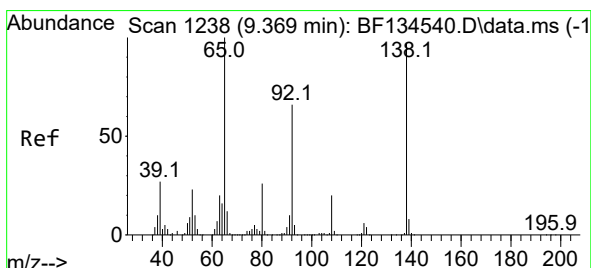
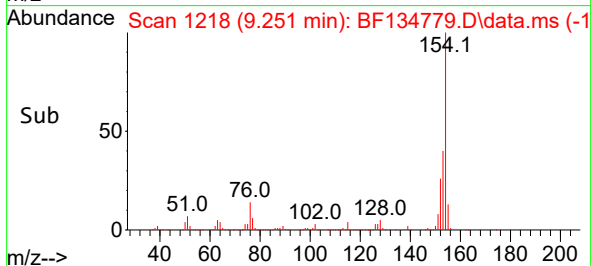
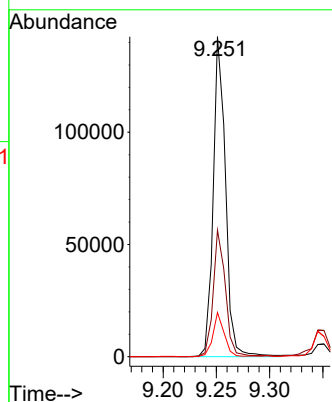
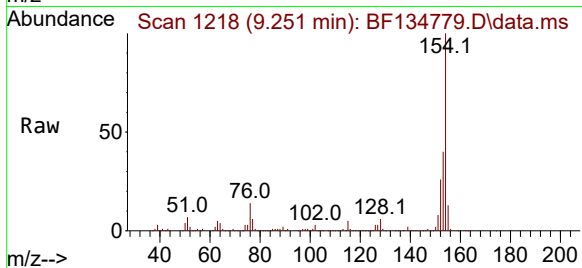
Tgt Ion:154 Resp: 114362

Ion Ratio Lower Upper

154 100

153 39.5 20.8 60.8

76 13.8 0.0 30.2



#48

2-Nitroaniline

Concen: 3.590 ng

RT: 9.416 min Scan# 1246

Delta R.T. 0.035 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

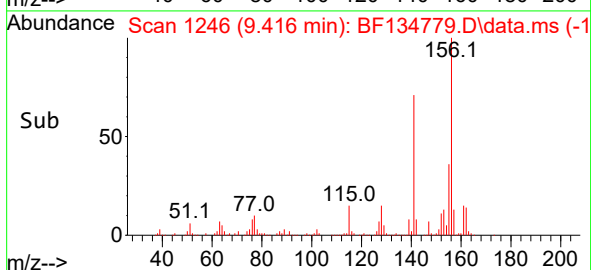
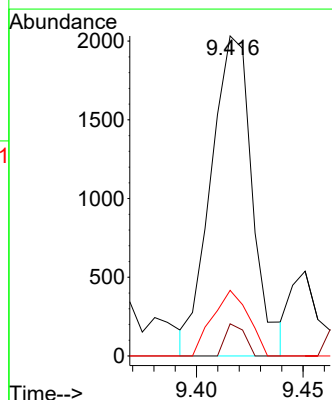
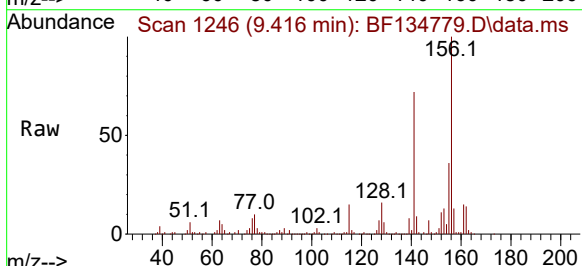
Tgt Ion: 65 Resp: 2759

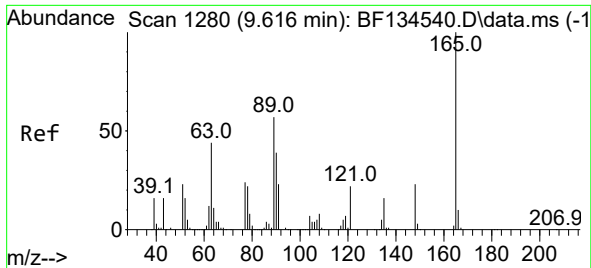
Ion Ratio Lower Upper

65 100

92 10.0 50.7 76.1#

138 20.5 78.2 117.4#

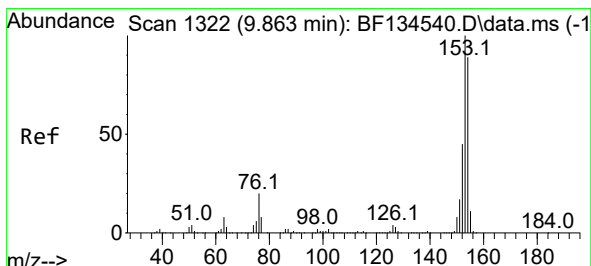
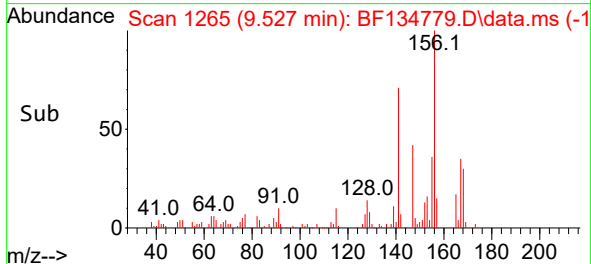
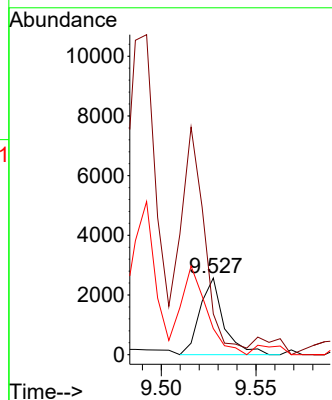
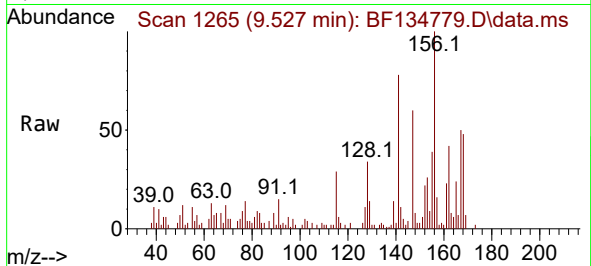




#51
2,6-Dinitrotoluene
Concen: 2.953 ng
RT: 9.527 min Scan# 11
Delta R.T. -0.100 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

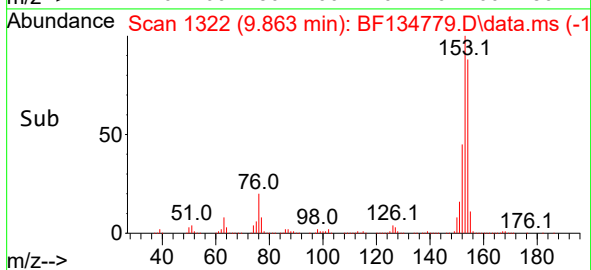
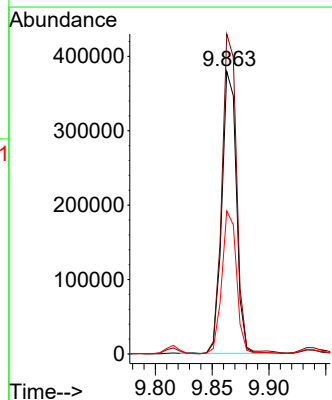
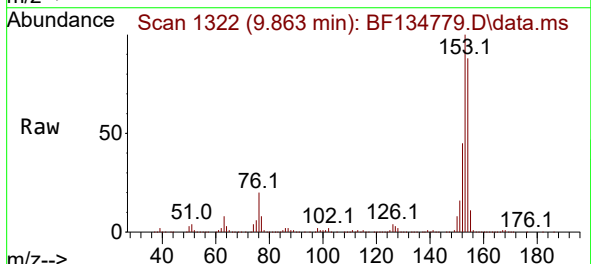
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12-QDL

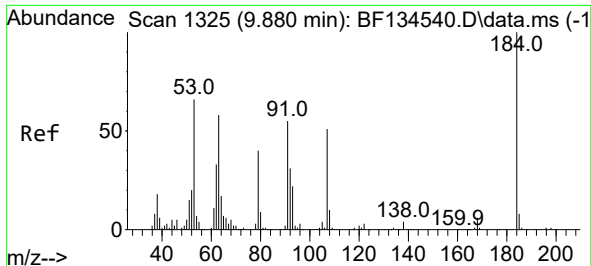
Tgt Ion:165 Resp: 2253
Ion Ratio Lower Upper
165 100
63 53.3 57.8 86.6#
89 34.1 51.8 77.8#



#52
Acenaphthene
Concen: 17.006 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:154 Resp: 337822
Ion Ratio Lower Upper
154 100
153 113.2 90.0 135.0
152 50.6 42.4 63.6

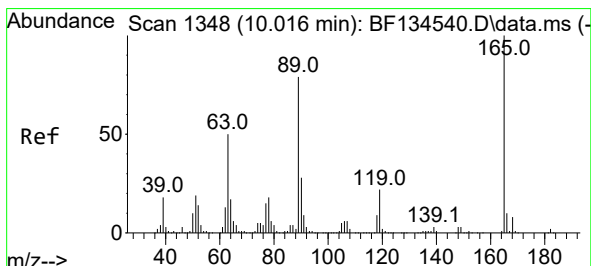
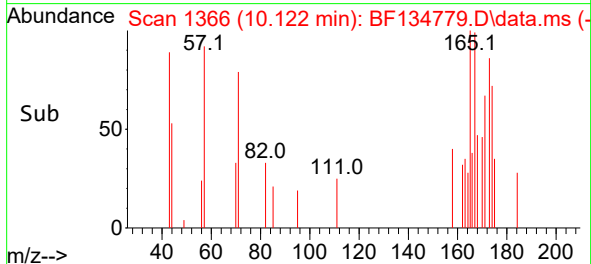
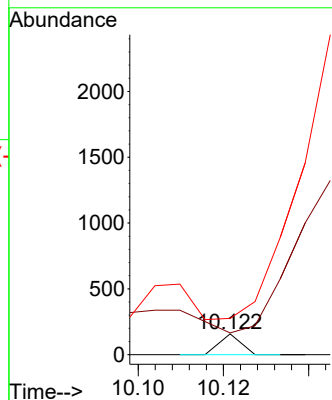
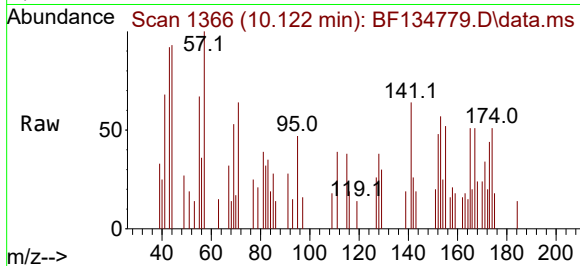




#54
2,4-Dinitrophenol
Concen: 6.821 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

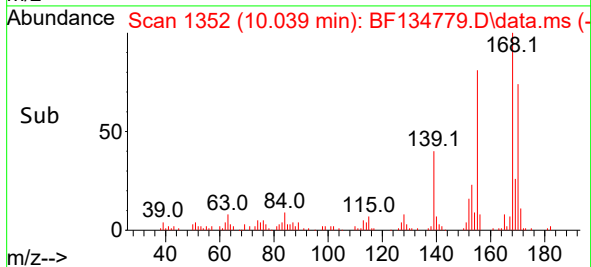
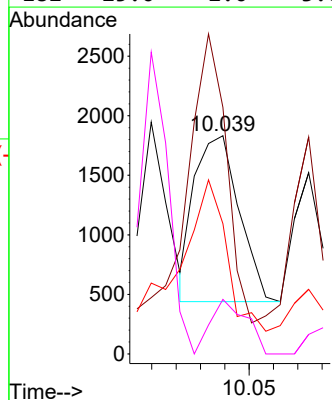
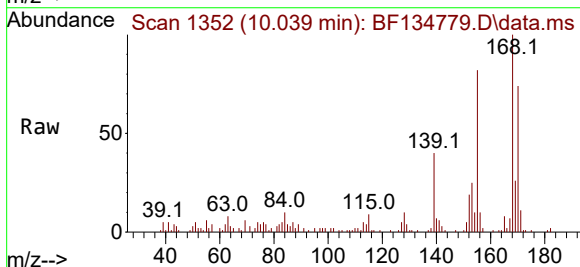
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12-QDL

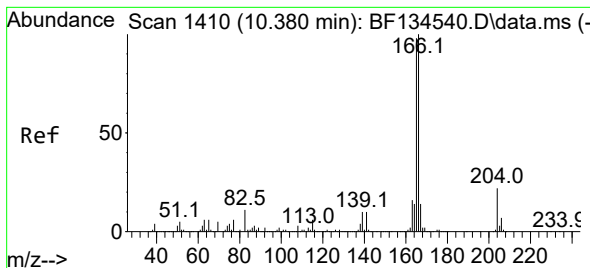
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 104.4 57.1 85.7#
154 174.7 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 3.148 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.012 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:165 Resp: 1782
Ion Ratio Lower Upper
165 100
63 112.9 48.9 73.3#
89 59.6 61.7 92.5#
182 25.0 2.0 3.0#





#58

Fluorene

Concen: 8.618 ng

RT: 10.380 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL

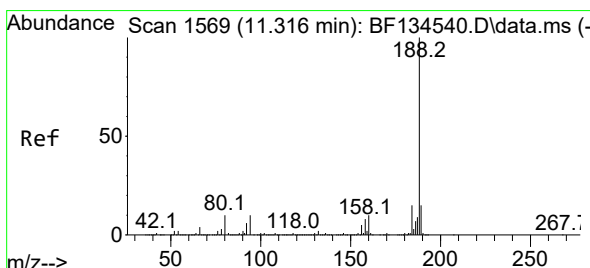
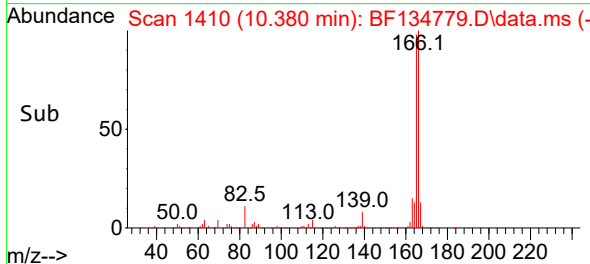
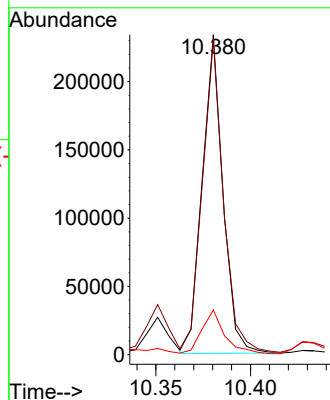
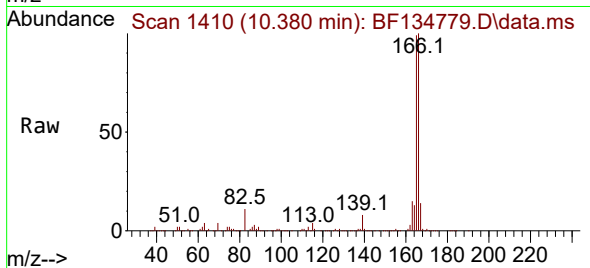
Tgt Ion:166 Resp: 177510

Ion Ratio Lower Upper

166 100

165 98.5 74.5 111.7

167 13.9 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: BF134779.D

Acq: 15 Aug 2023 11:24

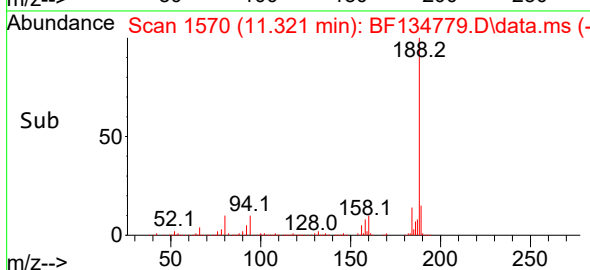
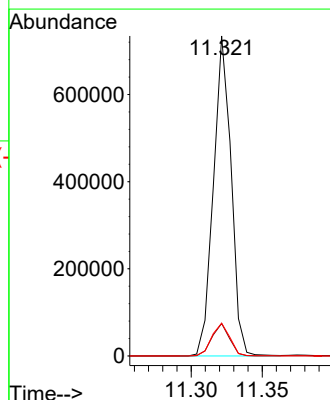
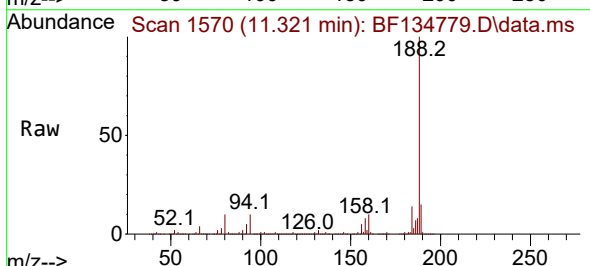
Tgt Ion:188 Resp: 637039

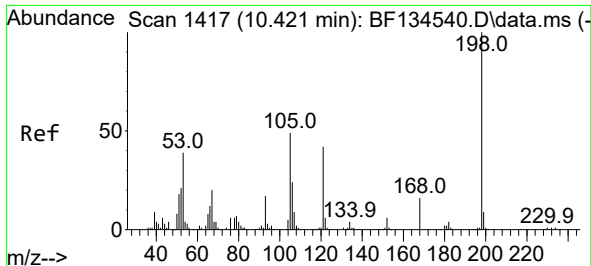
Ion Ratio Lower Upper

188 100

94 10.1 5.1 7.7#

80 10.2 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.760 ng

RT: 10.651 min Scan# 1417

Delta R.T. 0.212 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL

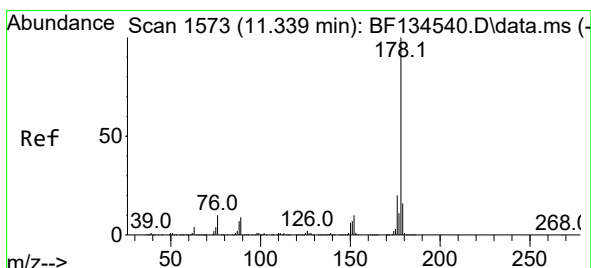
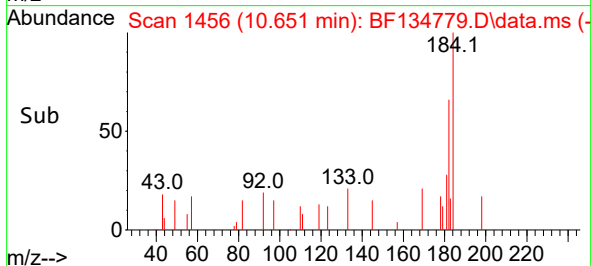
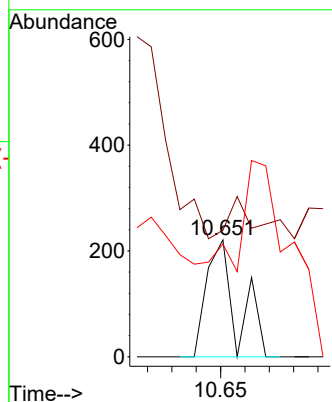
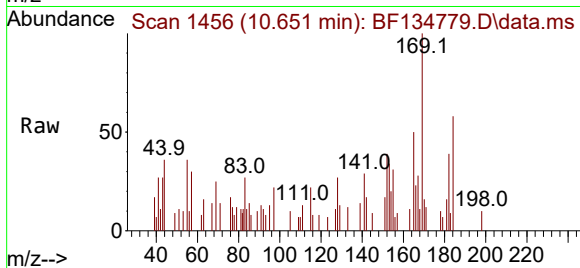
Tgt Ion:198 Resp: 191

Ion Ratio Lower Upper

198 100

51 108.1 38.6 78.6#

105 96.4 27.9 67.9#



#71

Phenanthrene

Concen: 22.864 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

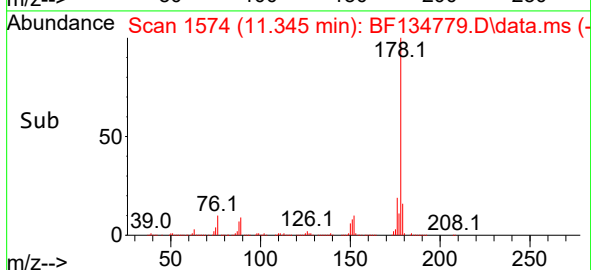
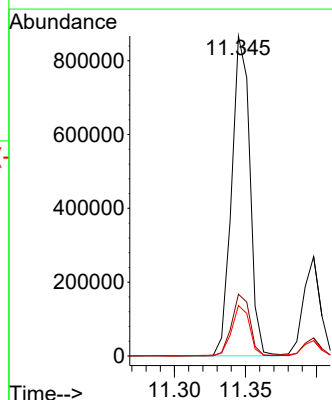
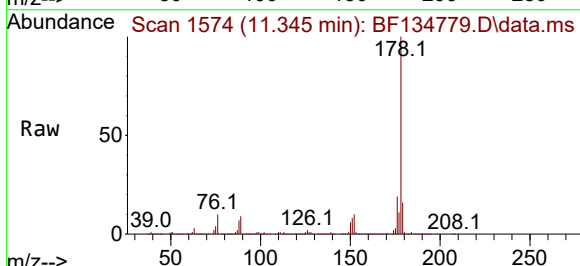
Tgt Ion:178 Resp: 773636

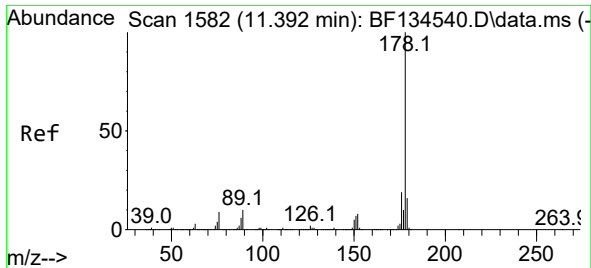
Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.7 12.7 19.1

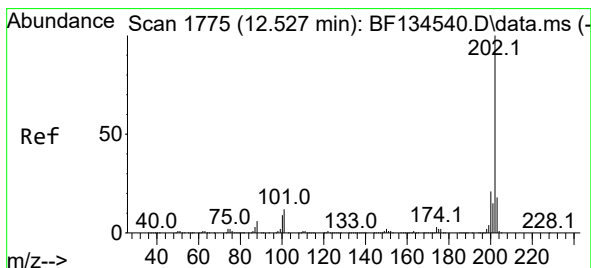
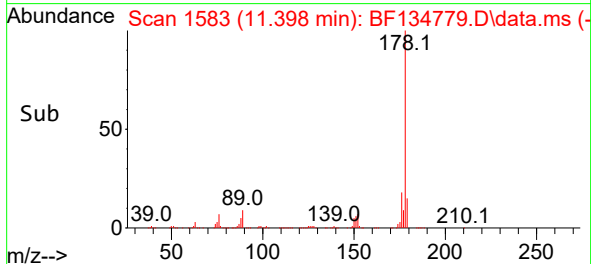
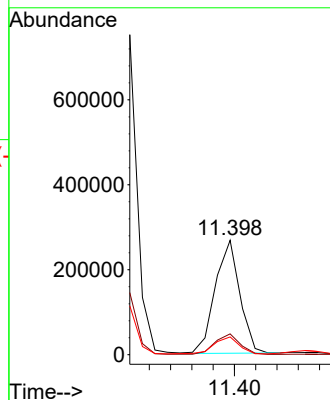
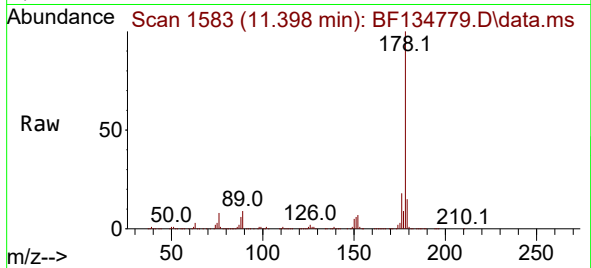




#72
 Anthracene
 Concen: 6.196 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134779.D
 Acq: 15 Aug 2023 11:24

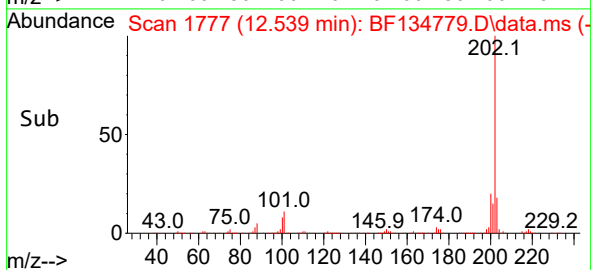
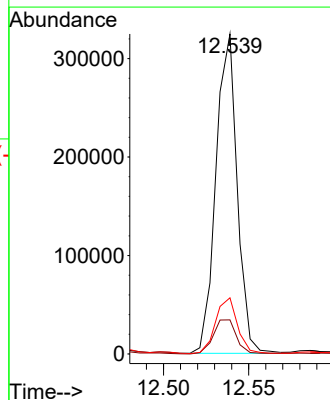
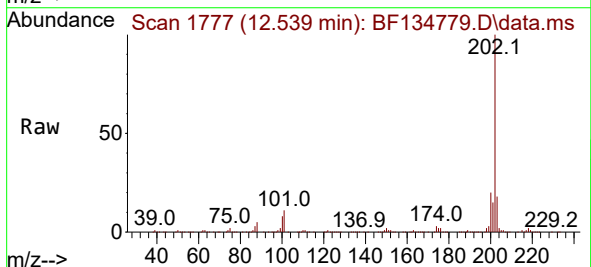
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z10-12-QDL

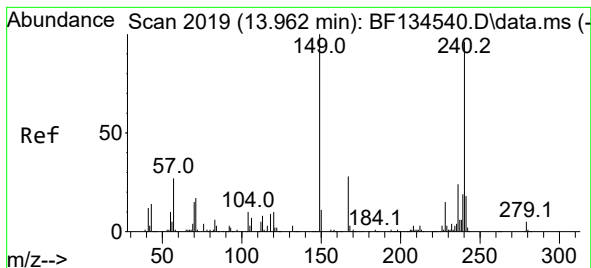
Tgt Ion:178 Resp: 214138
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 15.5 12.3 18.5



#75
 Fluoranthene
 Concen: 7.887 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.000 min
 Lab File: BF134779.D
 Acq: 15 Aug 2023 11:24

Tgt Ion:202 Resp: 281886
 Ion Ratio Lower Upper
 202 100
 101 10.7 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: BF134779.D

Acq: 15 Aug 2023 11:24

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL

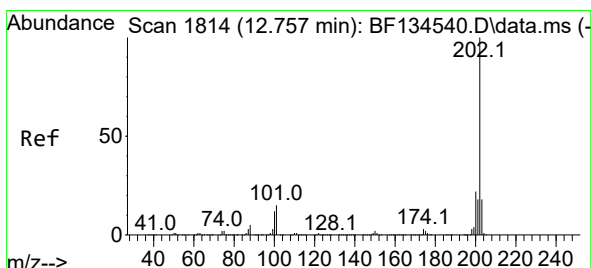
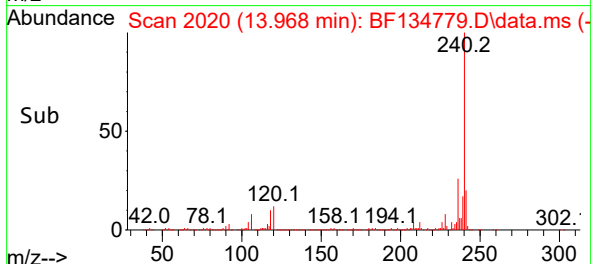
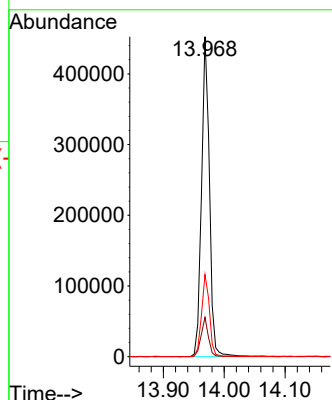
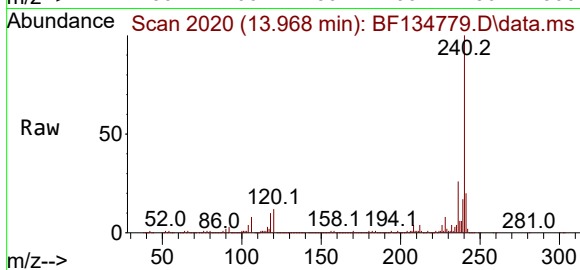
Tgt Ion:240 Resp: 407493

Ion Ratio Lower Upper

240 100

120 12.3 6.6 10.0#

236 25.6 20.2 30.2



#78

Pyrene

Concen: 12.282 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.000 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

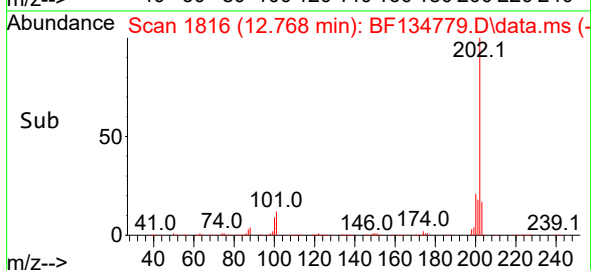
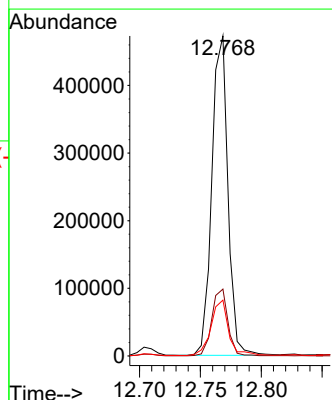
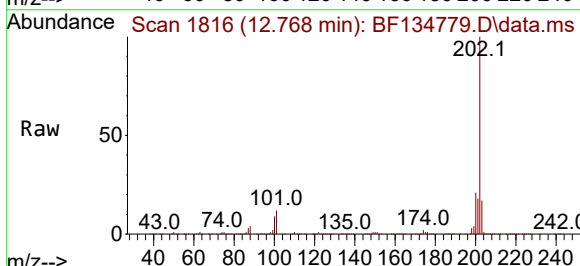
Tgt Ion:202 Resp: 433079

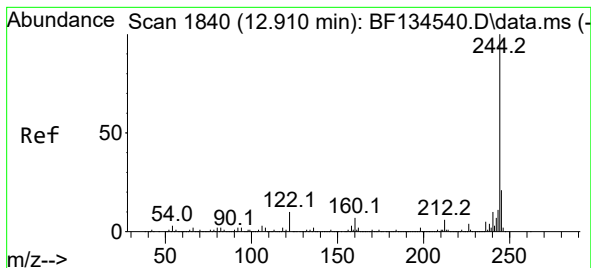
Ion Ratio Lower Upper

202 100

200 20.9 15.8 23.8

203 17.5 13.5 20.3





#79

Terphenyl-d14

Concen: 0.660 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12-QDL

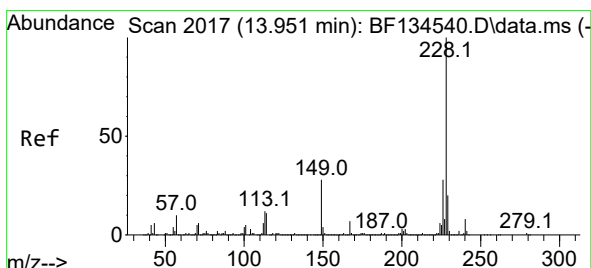
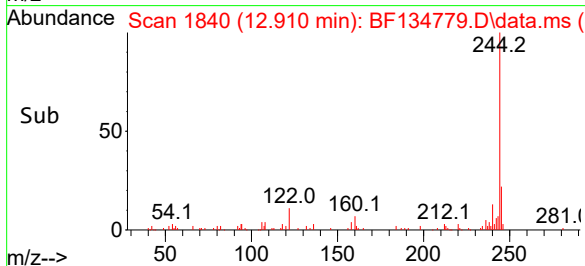
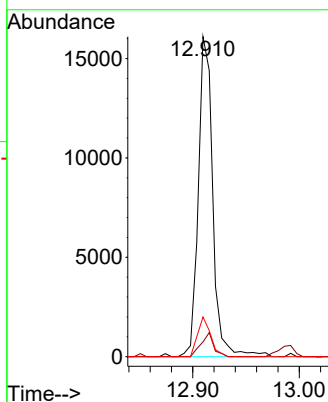
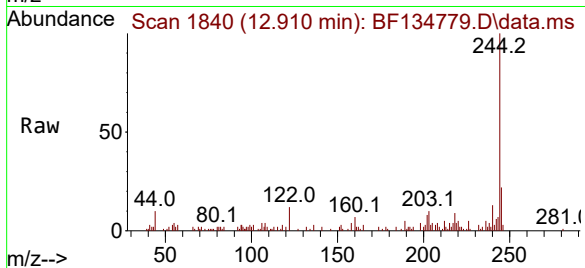
Tgt Ion:244 Resp: 15255

Ion Ratio Lower Upper

244 100

212 4.6 5.6 8.4#

122 12.4 8.0 12.0#



#81

Benzo(a)anthracene

Concen: 3.414 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.029 min

Lab File: BF134779.D

Acq: 15 Aug 2023 11:24

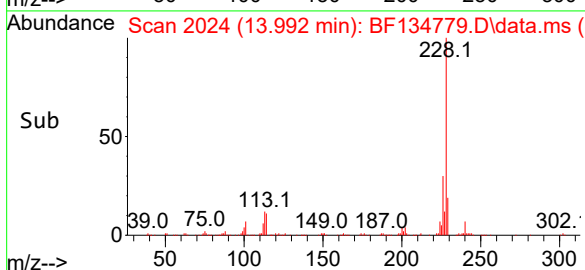
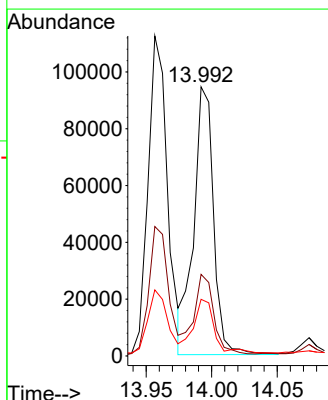
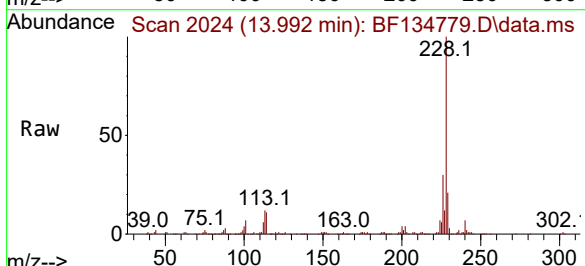
Tgt Ion:228 Resp: 99488

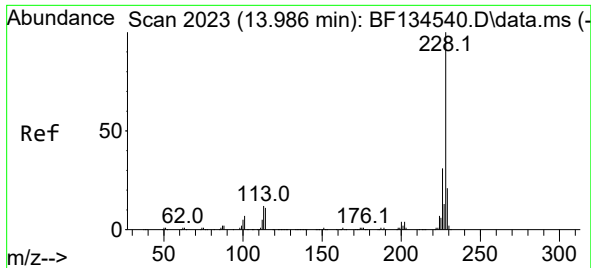
Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

229 21.1 15.8 23.6

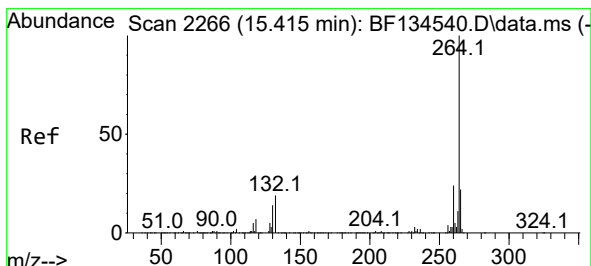
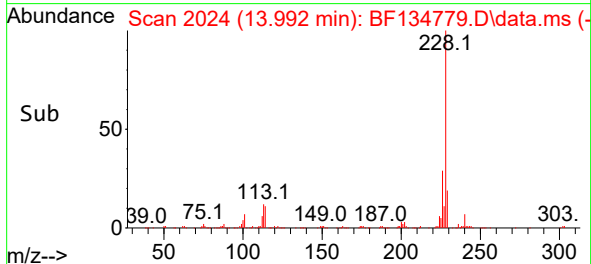
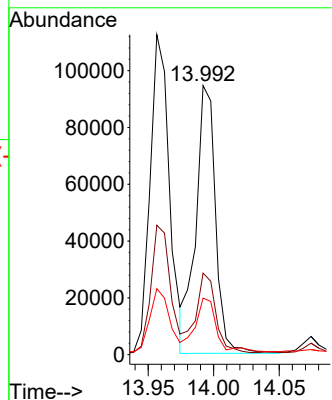
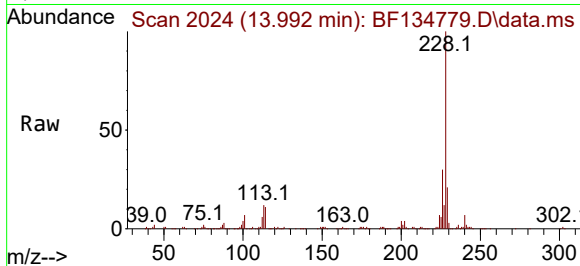




#83
Chrysene
Concen: 3.505 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

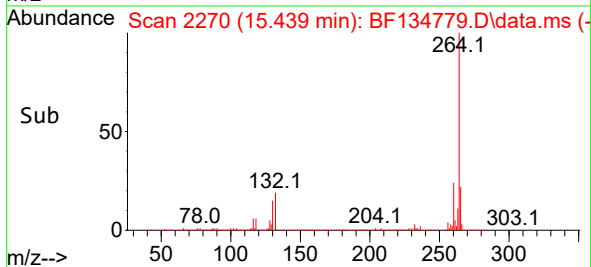
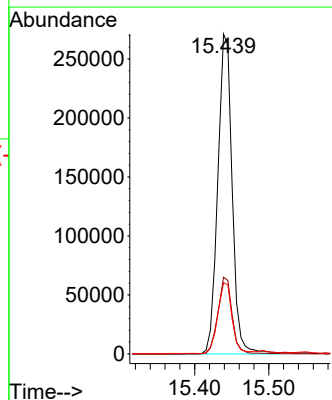
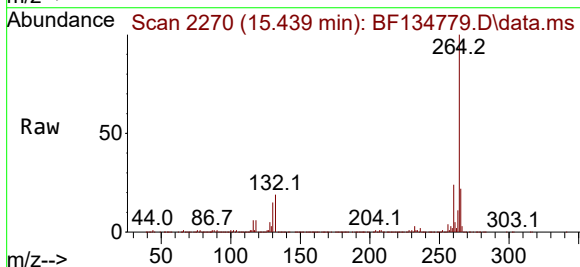
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12-QDL

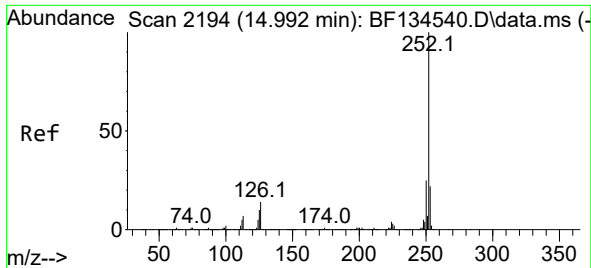
Tgt Ion:228 Resp: 99488
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.1 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

Tgt Ion:264 Resp: 365569
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.2 15.8 23.8

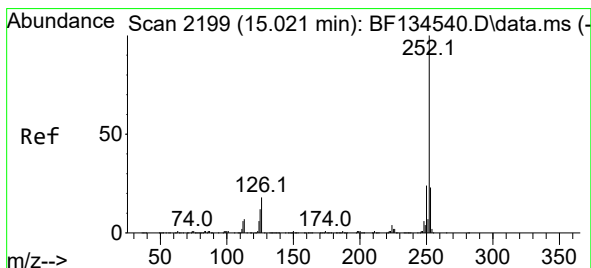
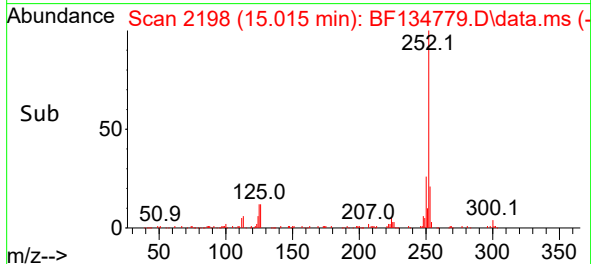
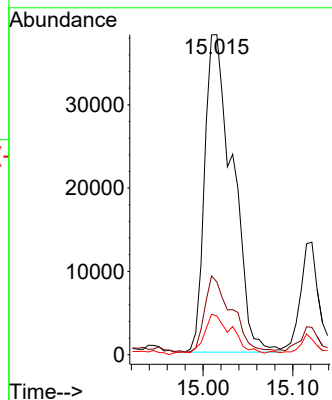
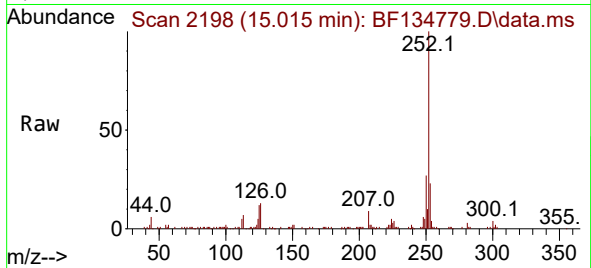




#88
Benzo(b)fluoranthene
Concen: 3.704 ng
RT: 15.015 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

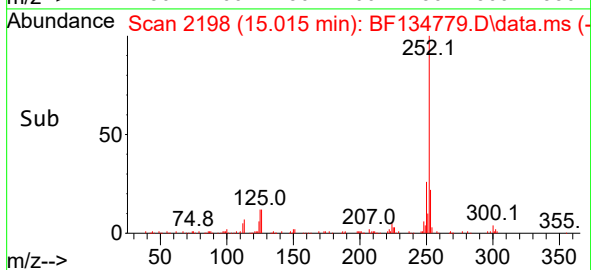
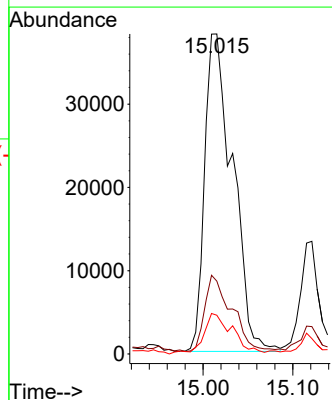
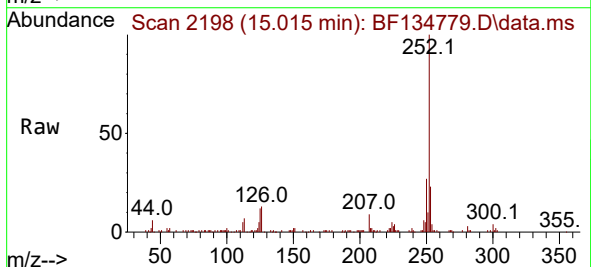
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12-QDL

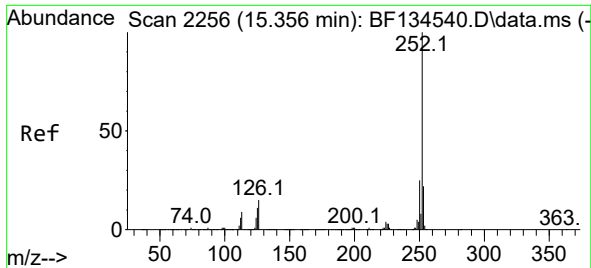
Tgt Ion:252 Resp: 82585
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 12.1 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 3.718 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.024 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

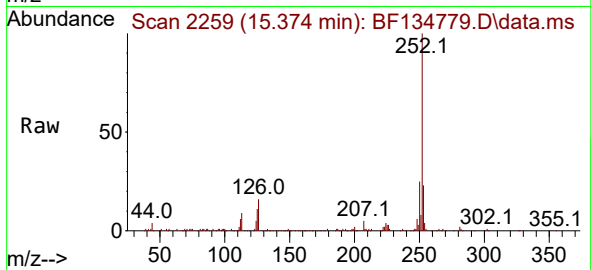
Tgt Ion:252 Resp: 82585
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.1 6.3 9.5#





#90
Benzo(a)pyrene
Concen: 3.763 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134779.D
Acq: 15 Aug 2023 11:24

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



Tgt Ion:252 Resp: 78219
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 10.8 6.2 9.4#

