

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134743.D
 Acq On : 11 Aug 2023 20:50
 Operator : CG\JU
 Sample : 03958-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z10-12

Quant Time: Aug 11 22:25:02 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	196074	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	478359	20.000	ng	# 0.00
39) Acenaphthene-d10	9.839	164	326036	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	492673	20.000	ng	# 0.01
76) Chrysene-d12	13.980	240	322695	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	281595	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	907762	70.376	ng	0.00
7) Phenol-d6	6.440	99	1141895	69.254	ng	0.00
23) Nitrobenzene-d5	7.363	82	666018	87.008	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	225338	67.799	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1183451	60.353	ng	0.00
79) Terphenyl-d14	12.922	244	1007241	55.025	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.357	77	39842	2.815	ng	# 1
18) Hexachloroethane	7.334	117	90390	19.088	ng	# 1
22) Acetophenone	7.193	105	33319	3.017	ng	# 51
24) Nitrobenzene	7.369	77	23121	2.796	ng	# 1
25) Isophorone	7.363	82	642089	38.459	ng	# 65
26) 2-Nitrophenol	7.704	139	1556	5.190	ng	# 1
31) Naphthalene	8.145	128	12291586	511.267	ng	# 94
32) Benzoic acid	7.875	122	5049	8.736	ng	# 1
33) 4-Chloroaniline	8.145	127	1828019	170.649	ng	# 34
35) Caprolactam	8.510	113	11274	5.168	ng	# 24
37) 2-Methylnaphthalene	8.822	142	5081074	318.851	ng	99
38) 1-Methylnaphthalene	8.922	142	3518977	237.474	ng	95
46) 1,1'-Biphenyl	9.263	154	1409108	55.578	ng	98
48) 2-Nitroaniline	9.363	65	37027	9.005	ng	# 33
49) Acenaphthylene	9.704	152	595686	19.948	ng	# 86
51) 2,6-Dinitrotoluene	9.534	165	23777	7.446	ng	# 1
52) Acenaphthene	9.892	154	2666127	137.771	ng	99
54) 2,4-Dinitrophenol	9.922	184	1728	8.052	ng	# 1
55) Dibenzofuran	10.045	168	340685	12.367	ng	# 87
56) 4-Nitrophenol	9.945	139	68290	16.858	ng	# 12
57) 2,4-Dinitrotoluene	10.045	165	28785	7.774	ng	# 56
58) Fluorene	10.398	166	1830788	91.239	ng	94
62) 4-Nitroaniline	10.398	138	19413	3.999	ng	# 23
65) 4,6-Dinitro-2-methylph...	10.445	198	812	9.033	ng	# 1
66) n-Nitrosodiphenylamine	10.504	169	90672	5.782	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	14399	2.670	ng	# 1
71) Phenanthrene	11.375	178	5093642	194.646	ng	98
72) Anthracene	11.416	178	2066399	77.306	ng	97
73) Carbazole	11.557	167	91015	3.813	ng	# 89
75) Fluoranthene	12.557	202	2594246	93.850	ng	96
78) Pyrene	12.792	202	3673841	131.569	ng	95
81) Benzo(a)anthracene	14.010	228	1434518	62.170	ng	94
83) Chrysene	14.010	228	1434518	63.812	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	333844	20.158	ng	# 95
88) Benzo(b)fluoranthene	15.021	252	1221275	71.111	ng	# 95
89) Benzo(k)fluoranthene	15.021	252	1221275	71.385	ng	# 96

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QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

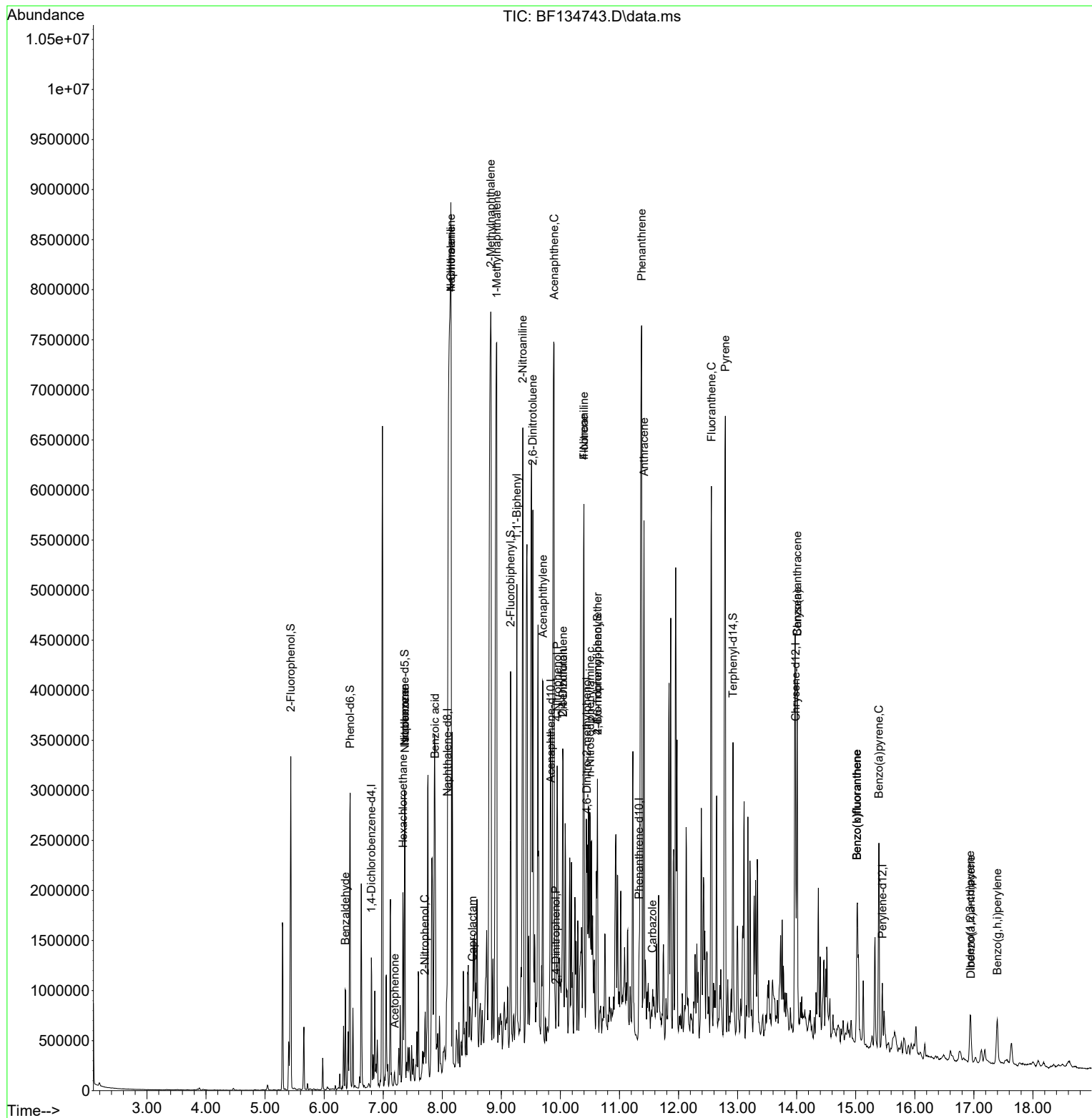
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.392	252	1032287	64.466	ng	# 96
91) Dibenzo(a,h)anthracene	16.951	278	96141	7.183	ng	# 92
92) Benzo(g,h,i)perylene	17.398	276	368601	26.998	ng	# 93

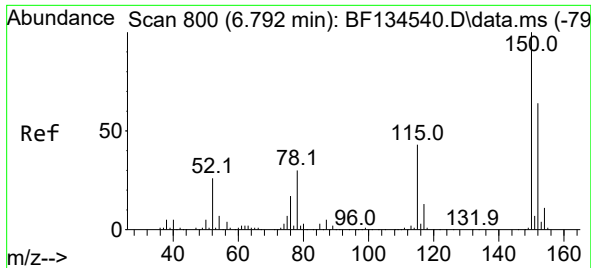
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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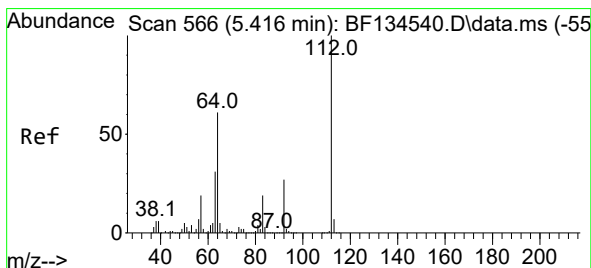
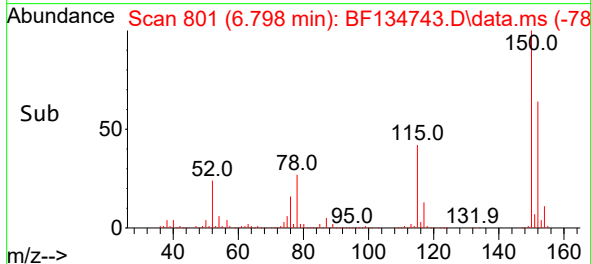
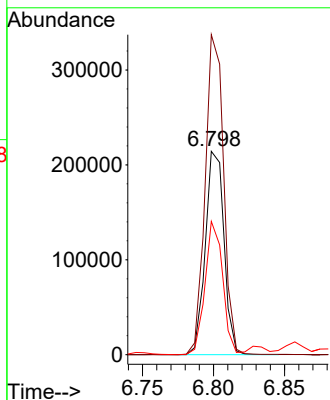
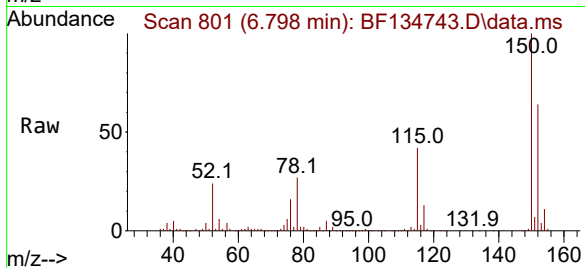




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF134743.D
 Acq: 11 Aug 2023 20:50

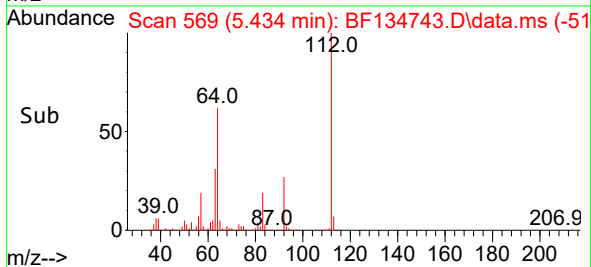
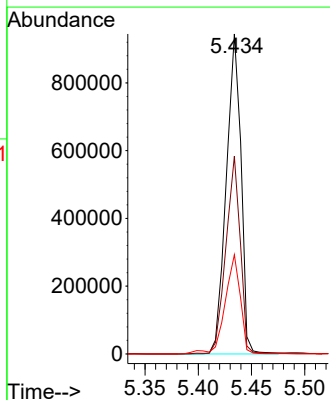
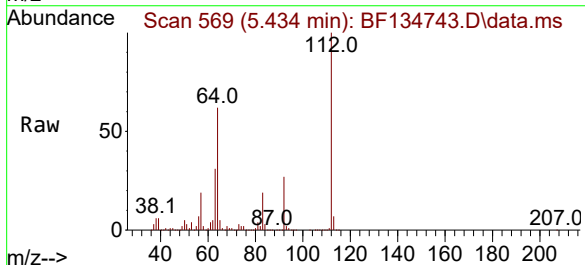
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z10-12

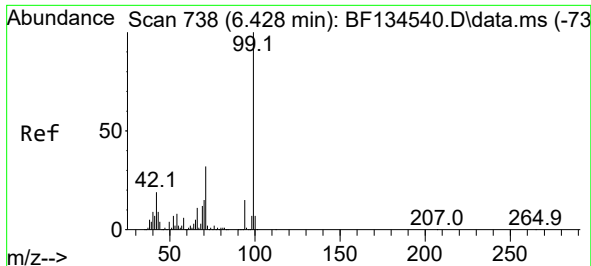
Tgt Ion:152 Resp: 196074
 Ion Ratio Lower Upper
 152 100
 150 157.3 128.3 192.5
 115 65.5 52.4 78.6



#5
 2-Fluorophenol
 Concen: 70.376 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: BF134743.D
 Acq: 11 Aug 2023 20:50

Tgt Ion:112 Resp: 907762
 Ion Ratio Lower Upper
 112 100
 64 61.8 44.9 67.3
 63 31.0 25.4 38.0





#7

Phenol-d6

Concen: 69.254 ng

RT: 6.440 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

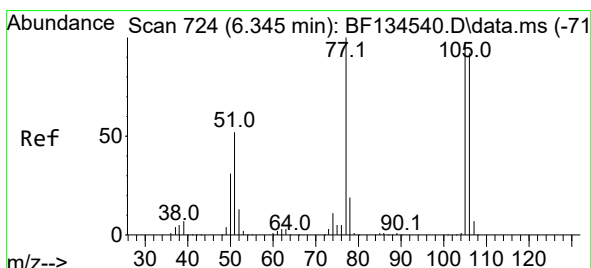
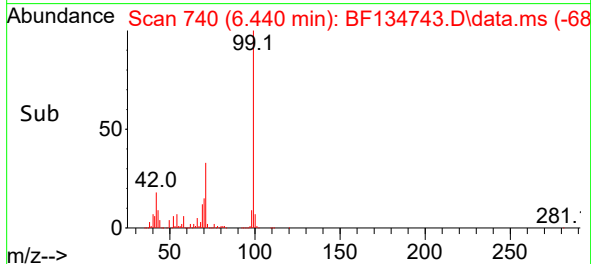
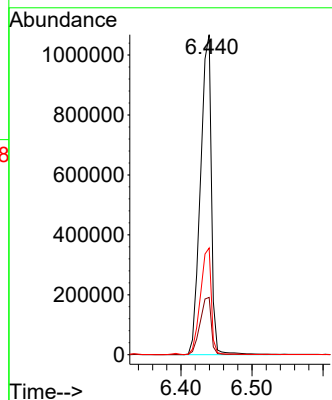
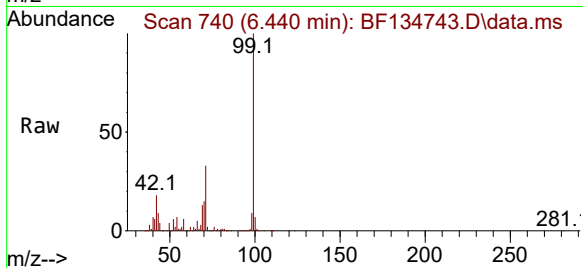
Tgt Ion: 99 Resp: 1141895

Ion Ratio Lower Upper

99 100

42 17.9 18.7 28.1#

71 33.3 36.4 54.6#



#9

Benzaldehyde

Concen: 2.815 ng

RT: 6.357 min Scan# 726

Delta R.T. 0.000 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

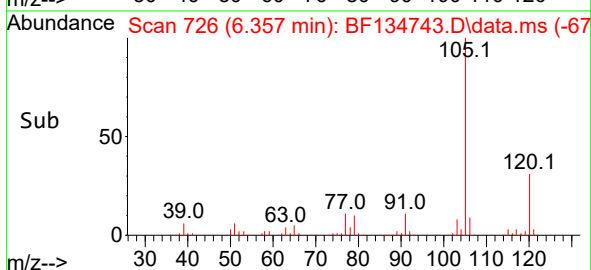
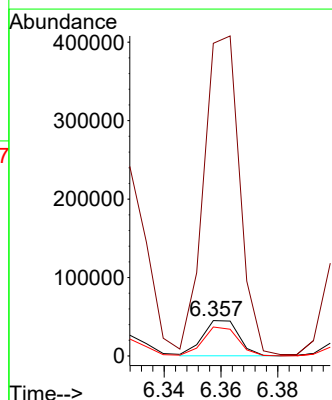
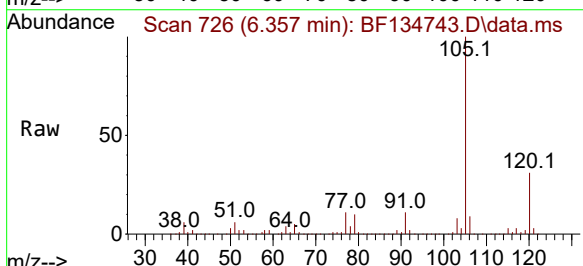
Tgt Ion: 77 Resp: 39842

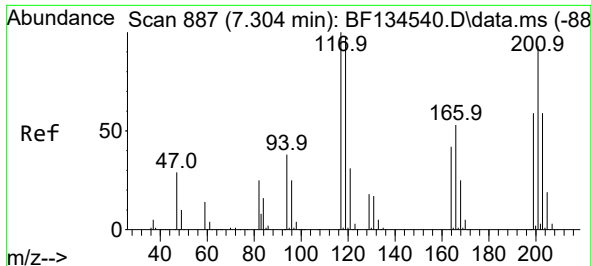
Ion Ratio Lower Upper

77 100

105 883.7 77.1 117.1#

106 81.6 71.4 111.4

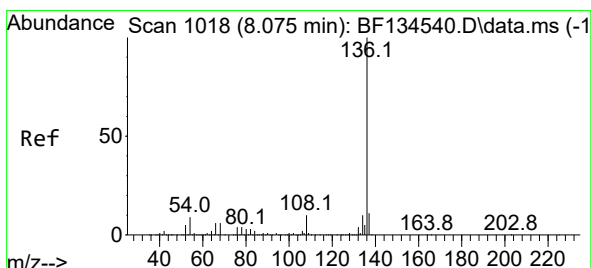
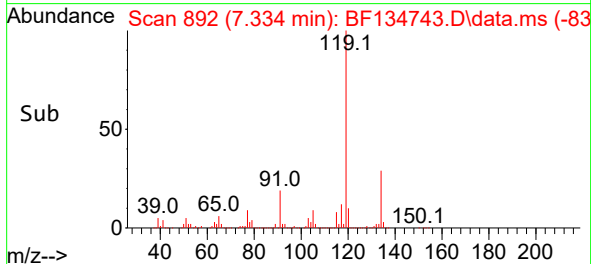
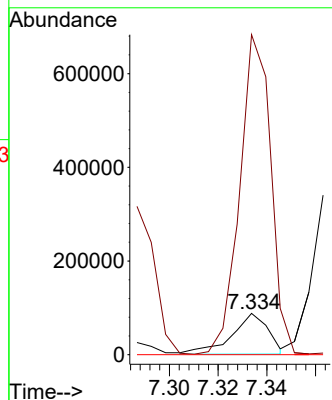
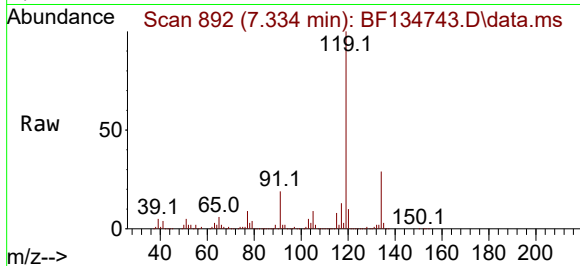




#18
Hexachloroethane
Concen: 19.088 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.024 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

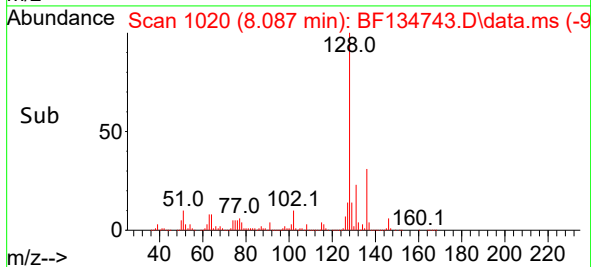
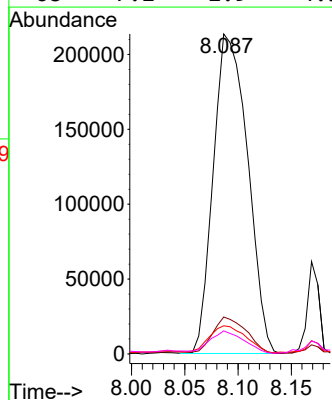
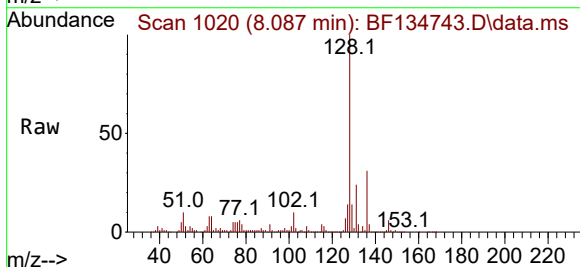
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

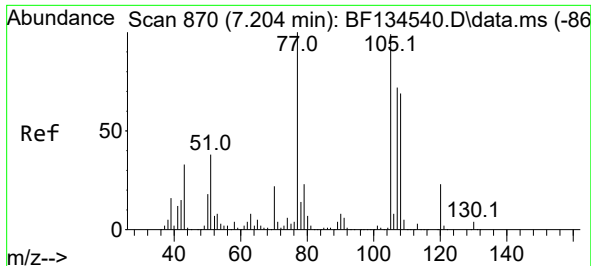
Tgt Ion:117 Resp: 90390
Ion Ratio Lower Upper
117 100
119 776.1 75.8 113.8#
201 0.0 73.6 110.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

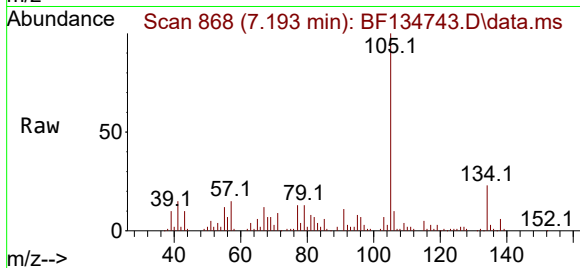
Tgt Ion:136 Resp: 478359
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 8.8 5.2 7.8#
68 7.2 2.9 4.3#



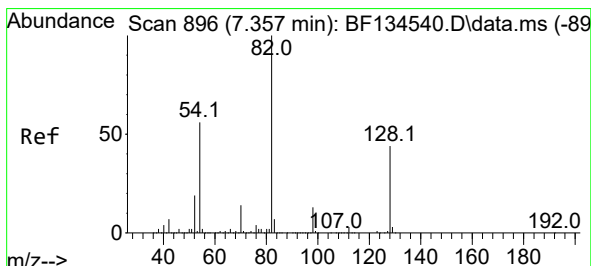
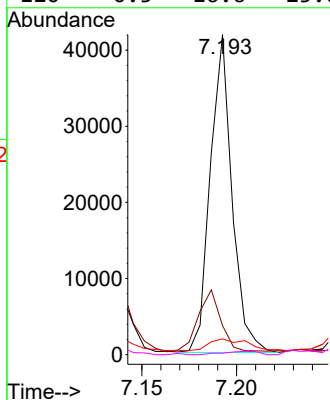
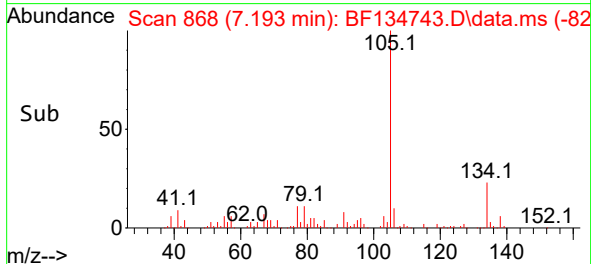


#22
Acetophenone
Concen: 3.017 ng
RT: 7.193 min Scan# 819
Delta R.T. -0.023 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

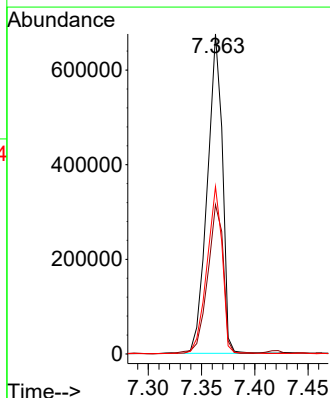
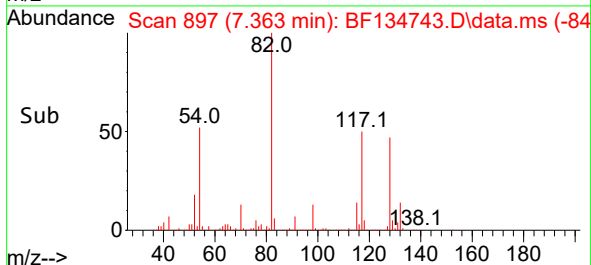
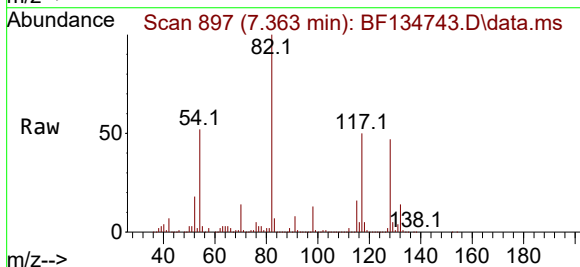


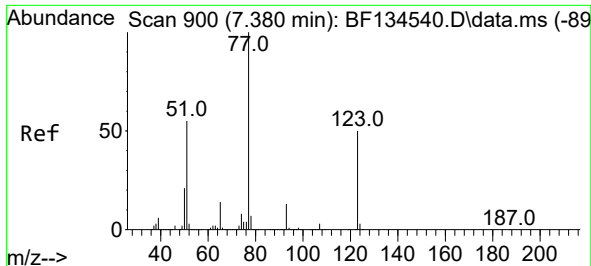
Tgt Ion:105 Resp: 33319
Ion Ratio Lower Upper
105 100
71 9.1 7.4 11.0
51 4.9 36.4 54.6#
120 0.5 16.6 25.0#



#23
Nitrobenzene-d5
Concen: 87.008 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion: 82 Resp: 666018
Ion Ratio Lower Upper
82 100
128 46.7 34.3 51.5
54 52.3 43.8 65.6

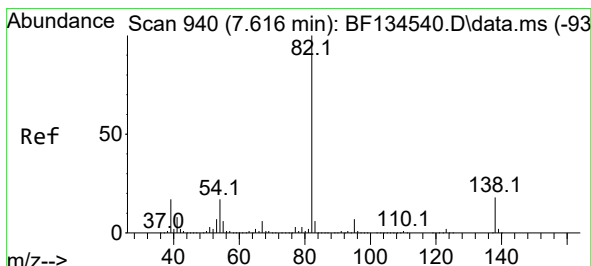
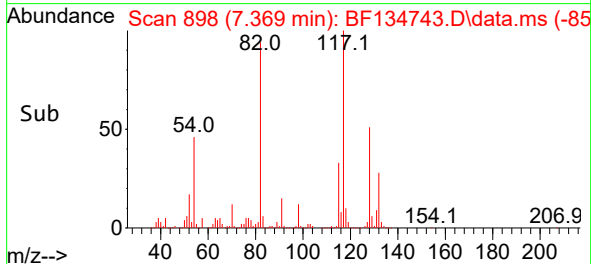
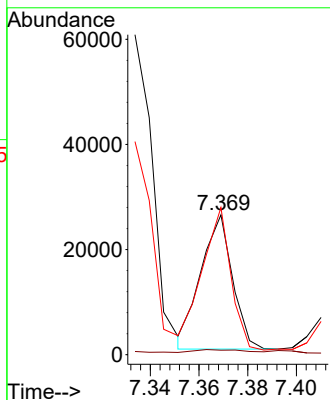
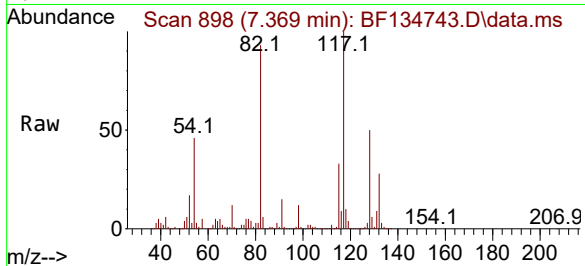




#24
Nitrobenzene
Concen: 2.796 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.017 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

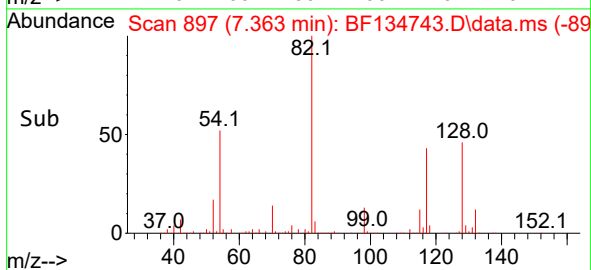
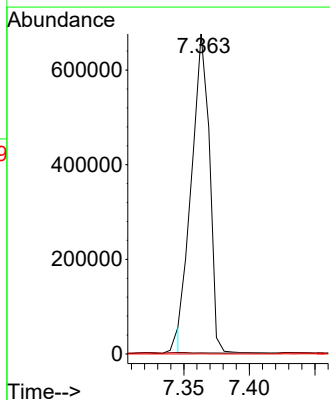
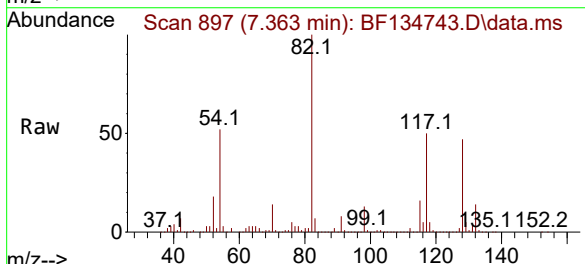
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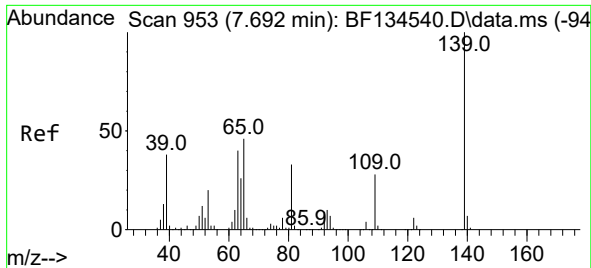
Tgt Ion: 77 Resp: 23121
Ion Ratio Lower Upper
77 100
123 3.2 35.5 53.3#
65 105.3 11.9 17.9#



#25
Isophorone
Concen: 38.459 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion: 82 Resp: 642089
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 14.6 22.0#

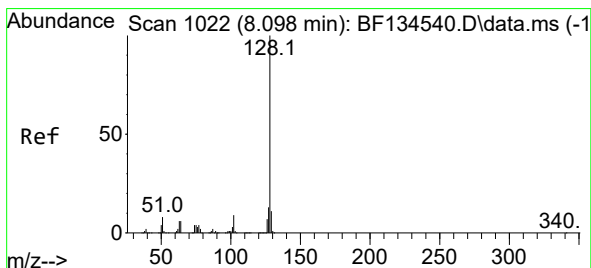
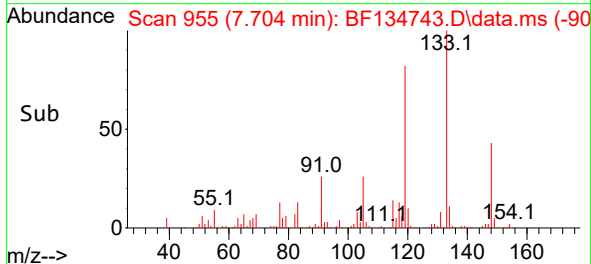
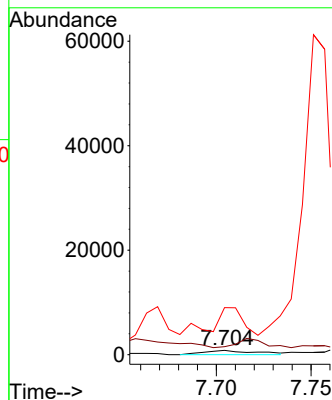
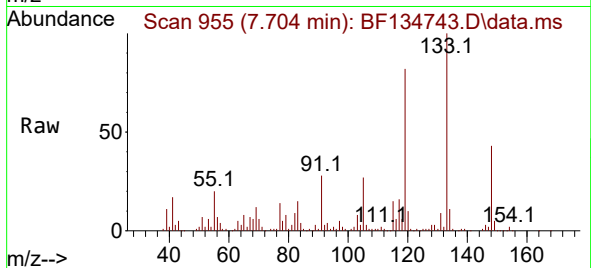




#26
2-Nitrophenol
Concen: 5.190 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

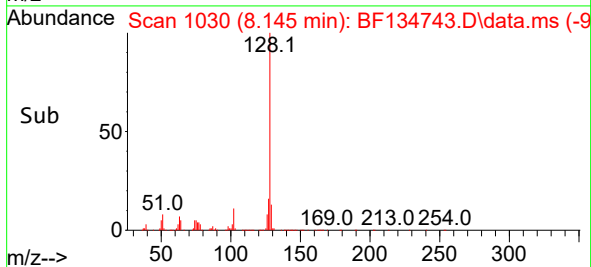
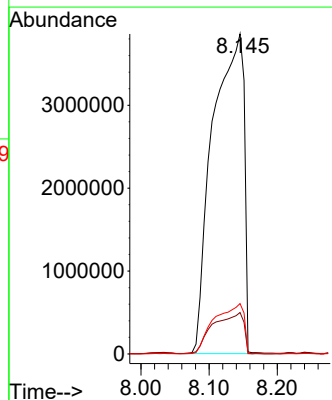
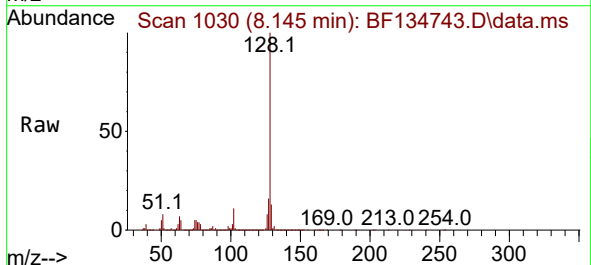
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

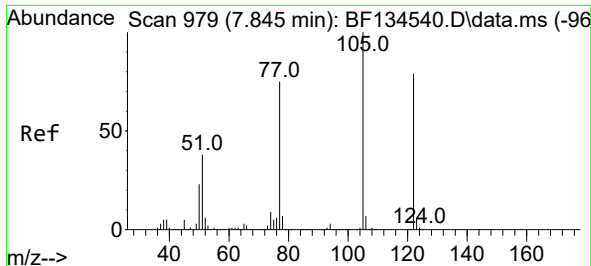
Tgt Ion:139 Resp: 1556
Ion Ratio Lower Upper
139 100
109 185.7 29.8 44.6#
65 1084.6 45.4 68.2#



#31
Naphthalene
Concen: 511.267 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.041 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:128 Resp:12291586
Ion Ratio Lower Upper
128 100
129 13.0 8.4 12.6#
127 15.8 10.7 16.1

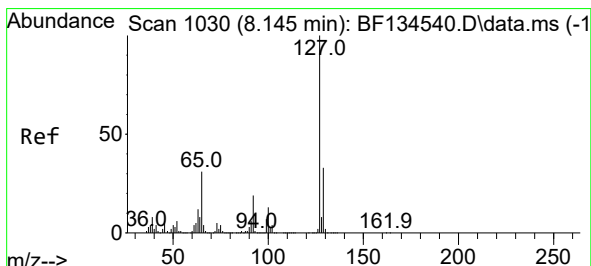
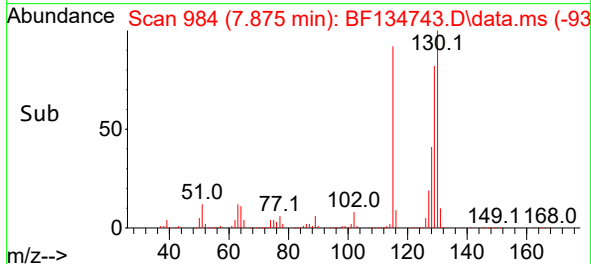
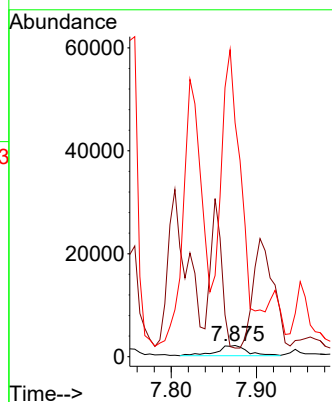
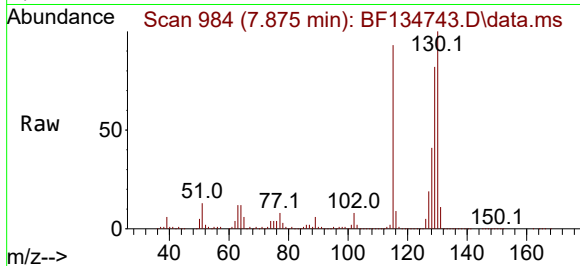




#32
Benzoic acid
Concen: 8.736 ng
RT: 7.875 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

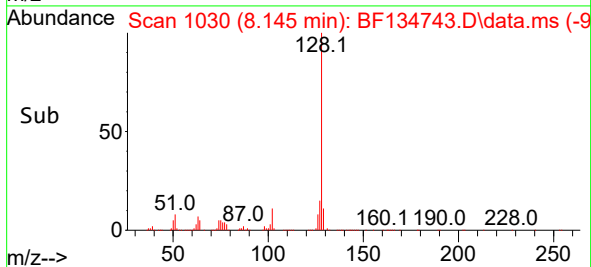
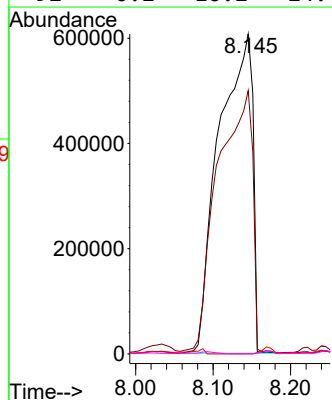
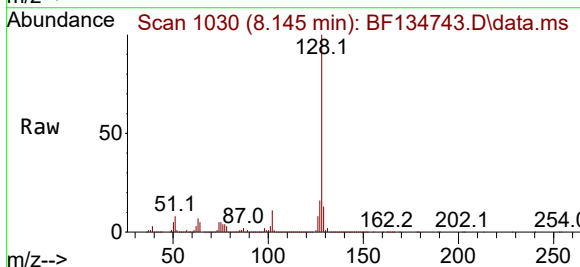
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

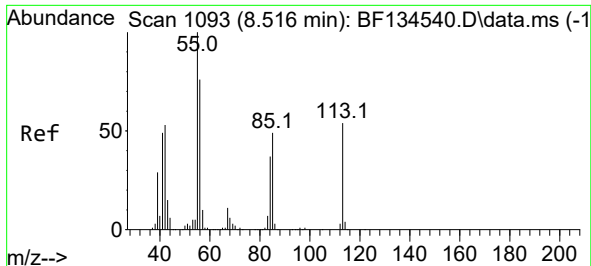
Tgt Ion:122 Resp: 5049
Ion Ratio Lower Upper
122 100
105 76.5 87.5 127.5#
77 2074.3 71.4 111.4#



#33
4-Chloroaniline
Concen: 170.649 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:127 Resp: 1828019
Ion Ratio Lower Upper
127 100
129 82.3 25.6 38.4#
65 0.0 25.4 38.0#
92 0.2 16.2 24.4#

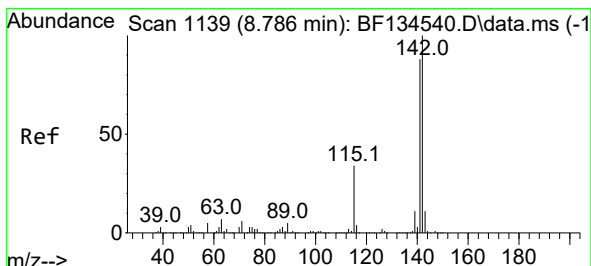
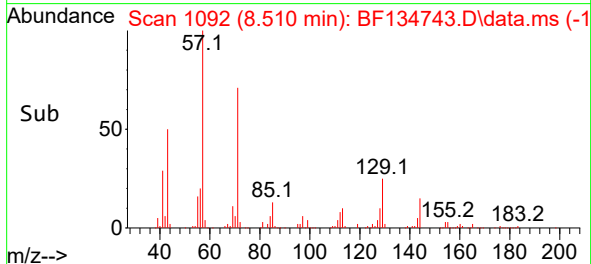
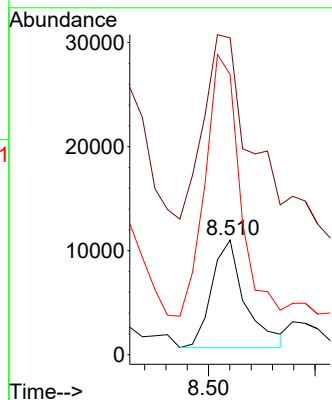
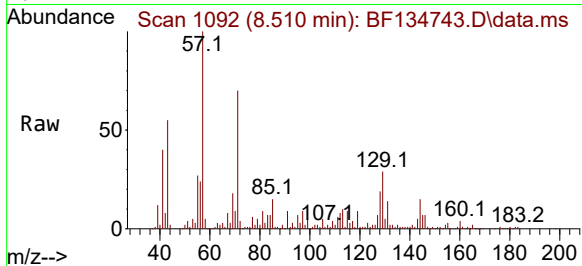




#35
 Caprolactam
 Concen: 5.168 ng
 RT: 8.510 min Scan# 1109
 Delta R.T. -0.023 min
 Lab File: BF134743.D
 Acq: 11 Aug 2023 20:50

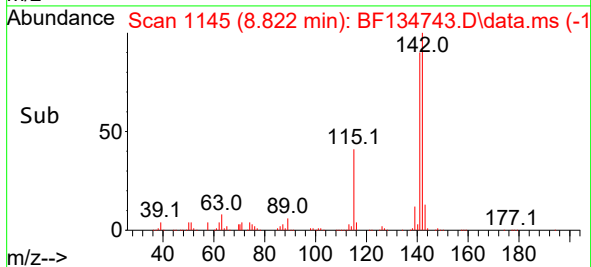
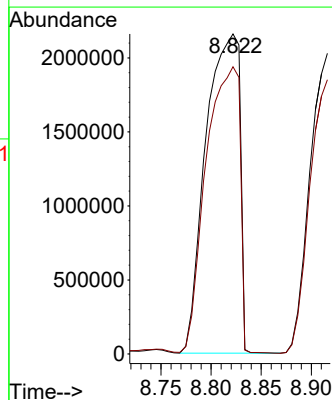
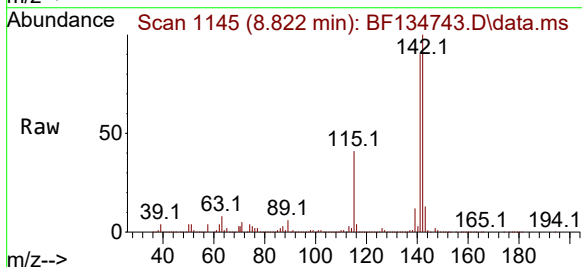
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z10-12

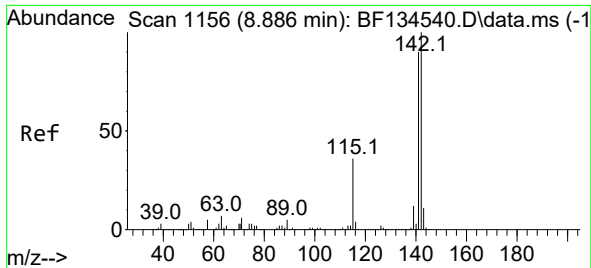
Tgt Ion:113 Resp: 11274
 Ion Ratio Lower Upper
 113 100
 55 276.5 161.5 201.5#
 56 244.5 117.8 157.8#



#37
 2-Methylnaphthalene
 Concen: 318.851 ng
 RT: 8.822 min Scan# 1145
 Delta R.T. 0.030 min
 Lab File: BF134743.D
 Acq: 11 Aug 2023 20:50

Tgt Ion:142 Resp: 5081074
 Ion Ratio Lower Upper
 142 100
 141 89.7 70.8 106.2

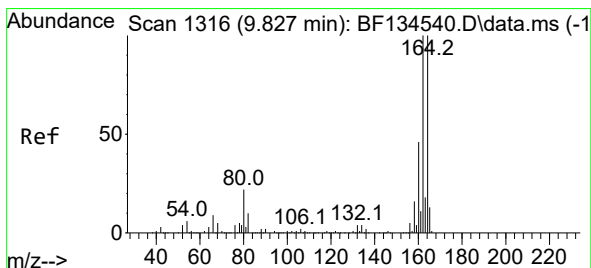
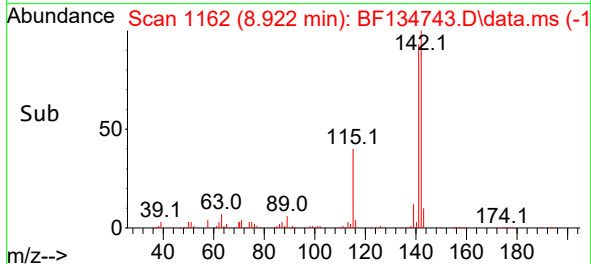
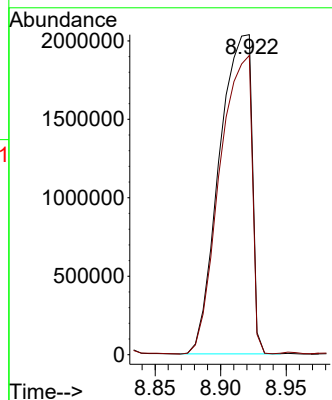
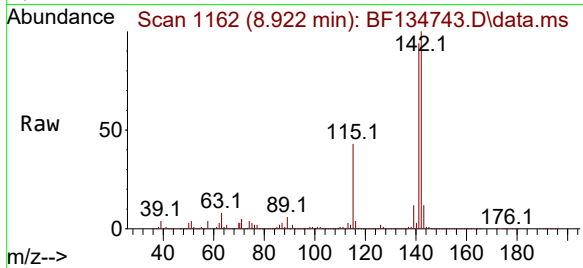




#38
1-Methylnaphthalene
Concen: 237.474 ng
RT: 8.922 min Scan# 1156
Delta R.T. 0.030 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

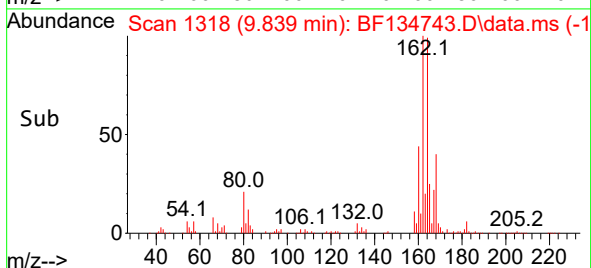
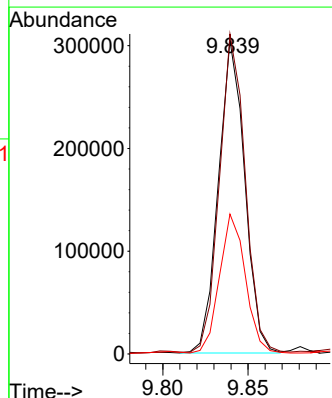
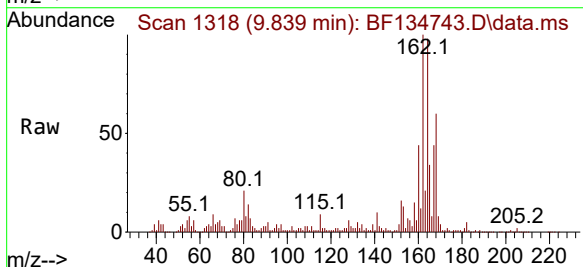
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

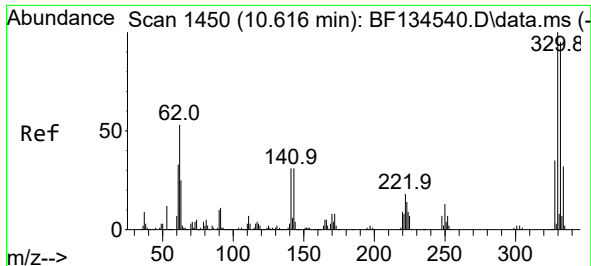
Tgt Ion:142 Resp: 3518977
Ion Ratio Lower Upper
142 100
141 93.5 71.4 107.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:164 Resp: 326036
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 44.6 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 67.799 ng

RT: 10.628 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

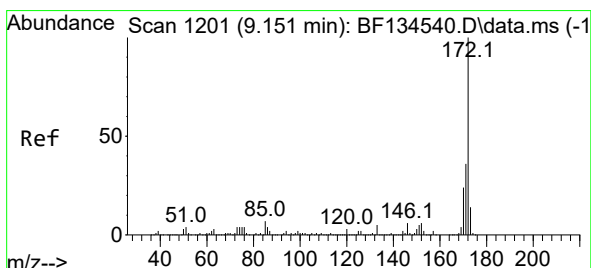
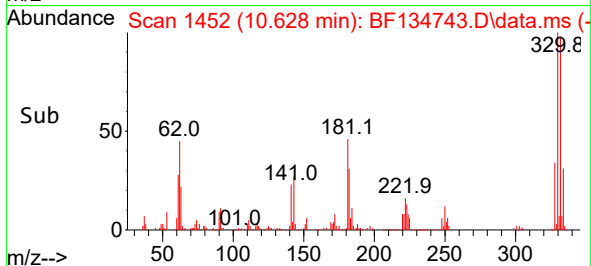
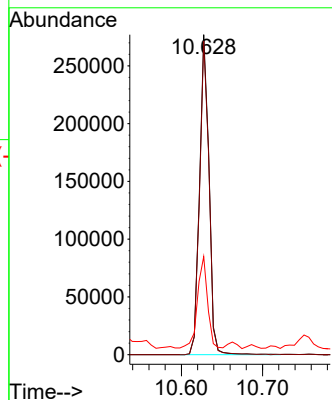
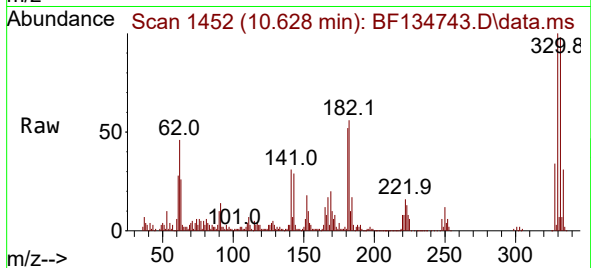
Tgt Ion:330 Resp: 225338

Ion Ratio Lower Upper

330 100

332 97.7 78.8 118.2

141 30.0 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 60.353 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

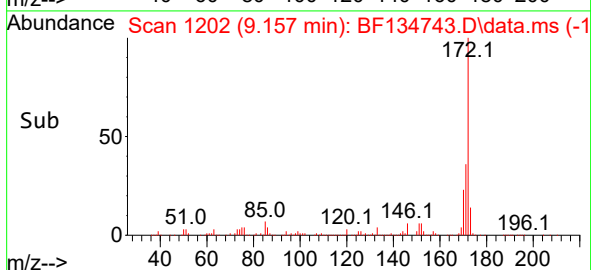
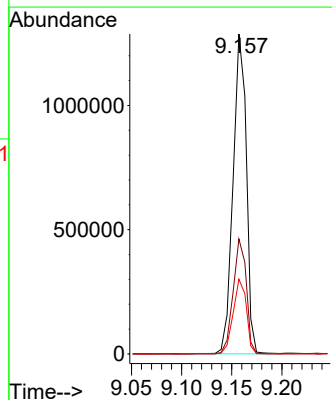
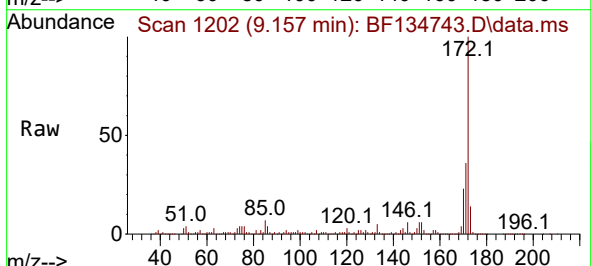
Tgt Ion:172 Resp: 1183451

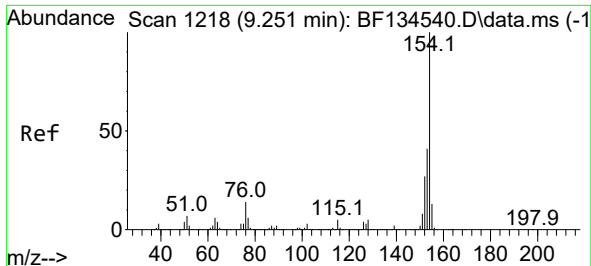
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.4 18.7 28.1

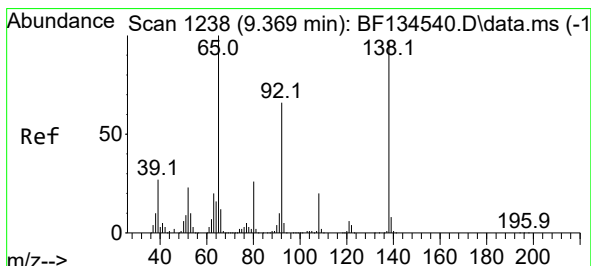
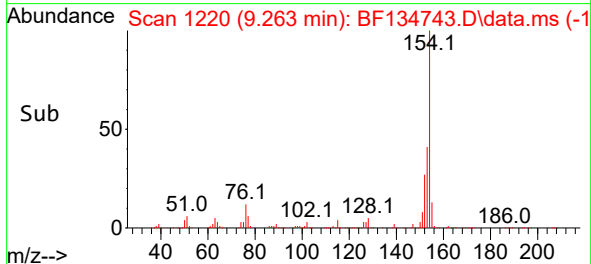
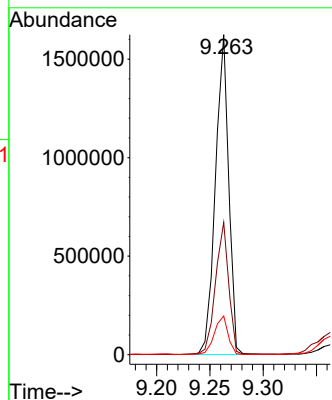
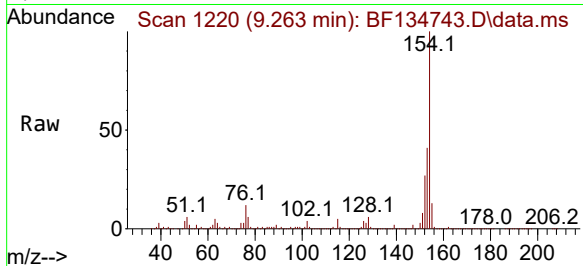




#46
1,1'-Biphenyl
Concen: 55.578 ng
RT: 9.263 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

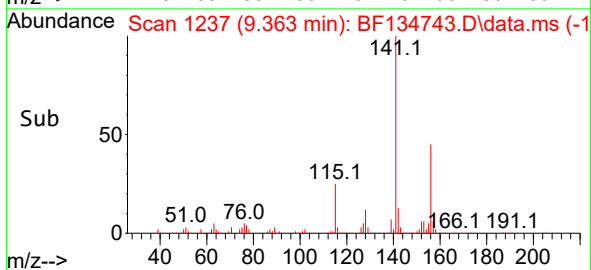
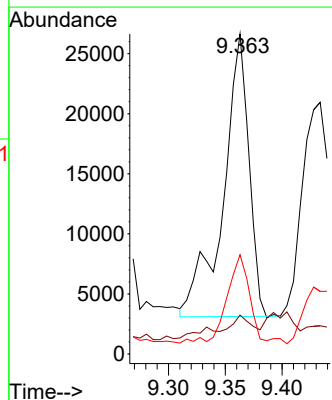
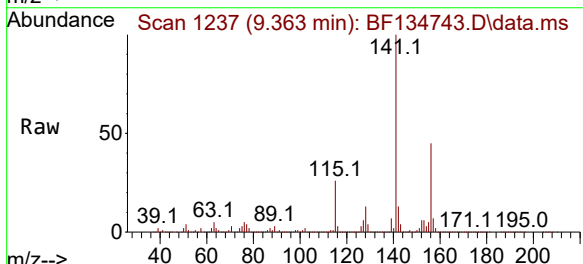
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

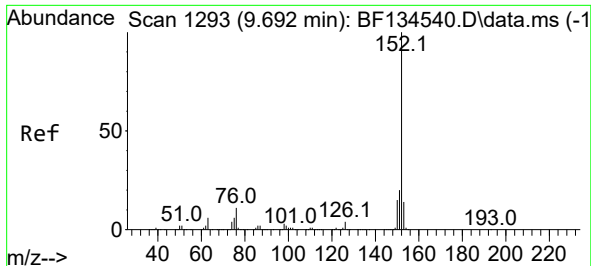
Tgt Ion:154 Resp: 1409108
Ion Ratio Lower Upper
154 100
153 41.3 20.8 60.8
76 12.1 0.0 30.2



#48
2-Nitroaniline
Concen: 9.005 ng
RT: 9.363 min Scan# 1237
Delta R.T. -0.018 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion: 65 Resp: 37027
Ion Ratio Lower Upper
65 100
92 12.2 50.7 76.1#
138 31.0 78.2 117.4#





#49

Acenaphthylene

Concen: 19.948 ng

RT: 9.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

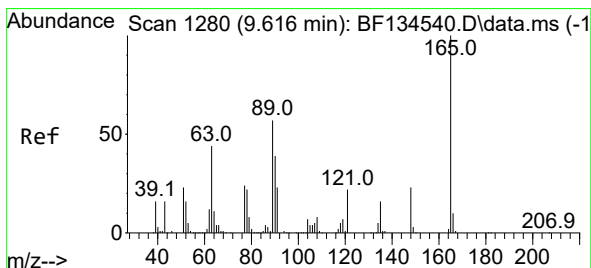
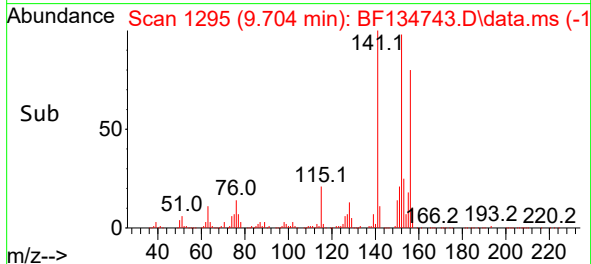
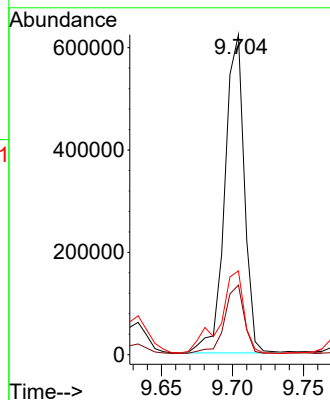
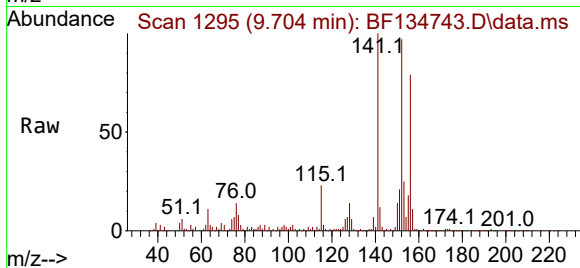
Tgt Ion:152 Resp: 595686

Ion Ratio Lower Upper

152 100

151 21.8 16.4 24.6

153 26.2 10.9 16.3#



#51

2,6-Dinitrotoluene

Concen: 7.446 ng

RT: 9.534 min Scan# 1266

Delta R.T. -0.094 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

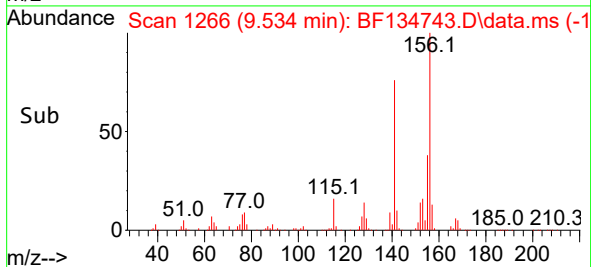
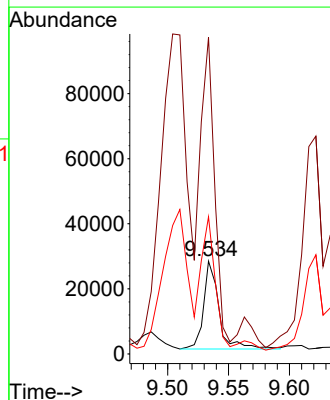
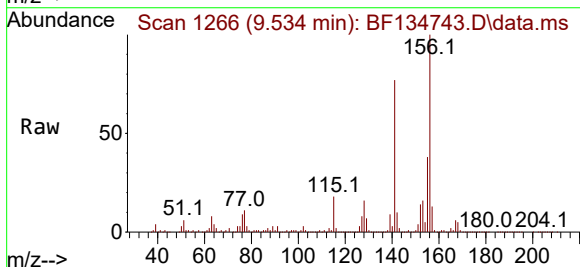
Tgt Ion:165 Resp: 23777

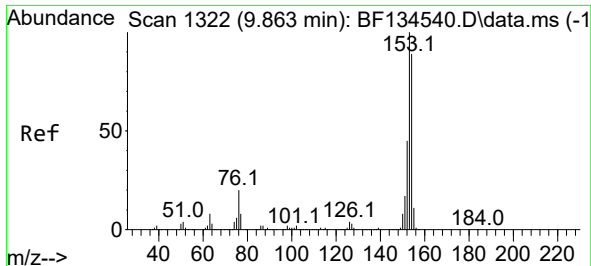
Ion Ratio Lower Upper

165 100

63 341.0 57.8 86.6#

89 147.7 51.8 77.8#

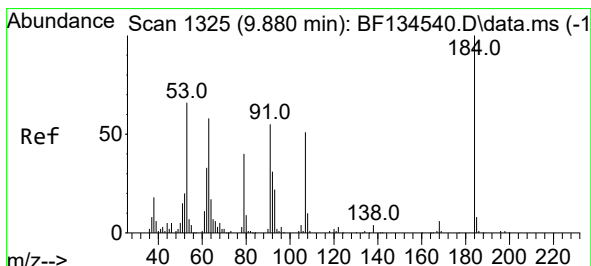
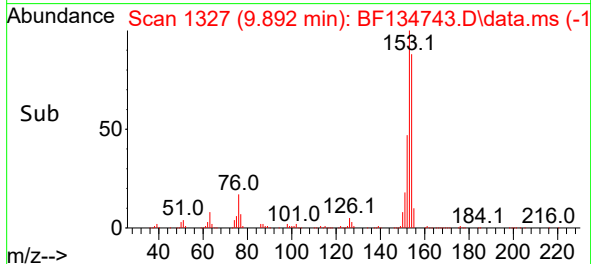
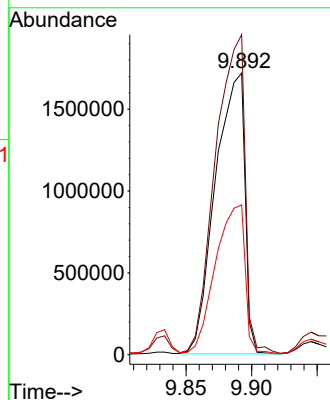
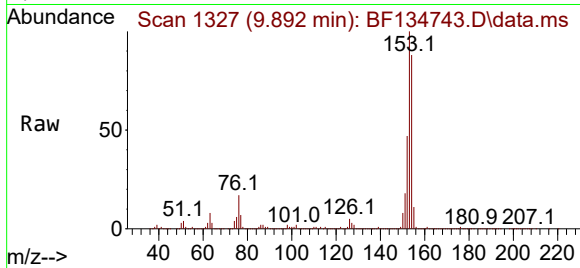




#52
Acenaphthene
Concen: 137.771 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.018 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

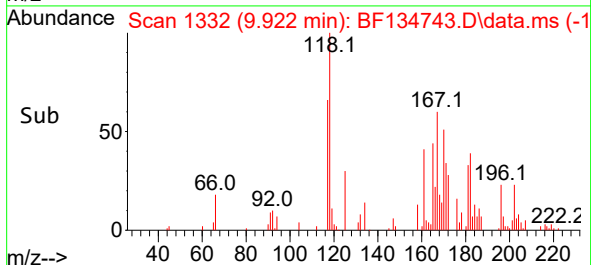
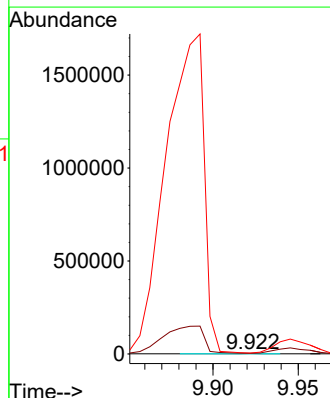
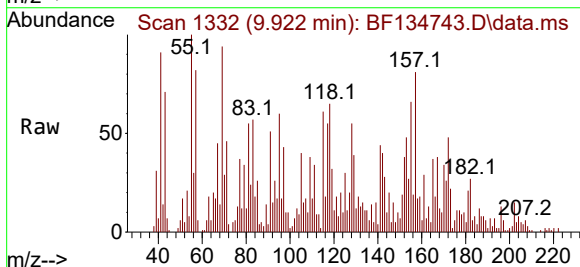
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

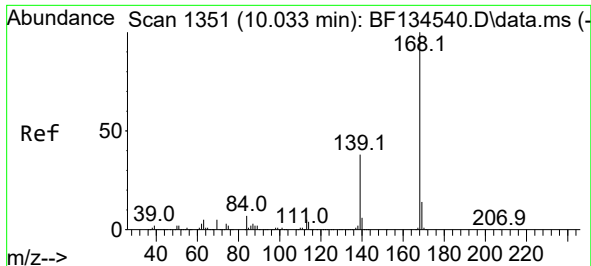
Tgt Ion:154 Resp: 2666127
Ion Ratio Lower Upper
154 100
153 113.6 90.0 135.0
152 53.2 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 8.052 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.024 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:184 Resp: 1728
Ion Ratio Lower Upper
184 100
63 212.7 57.1 85.7#
154 316.1 59.1 88.7#

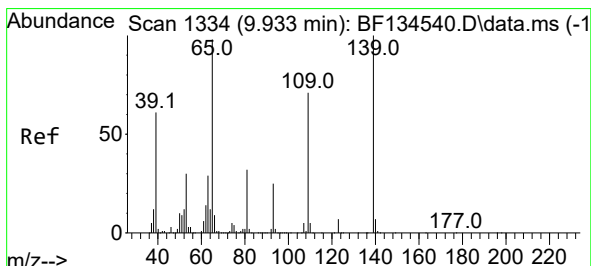
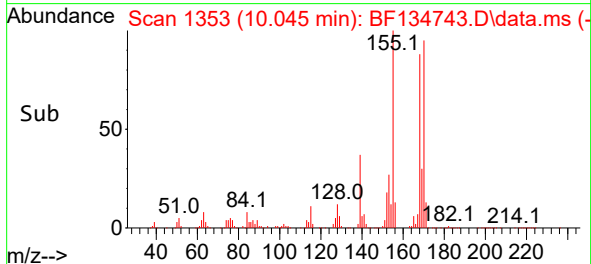
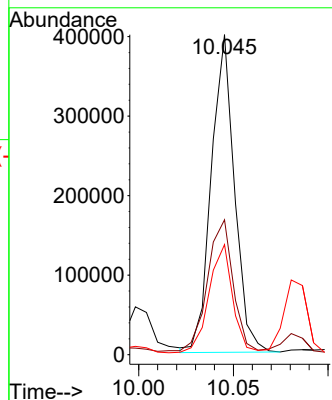
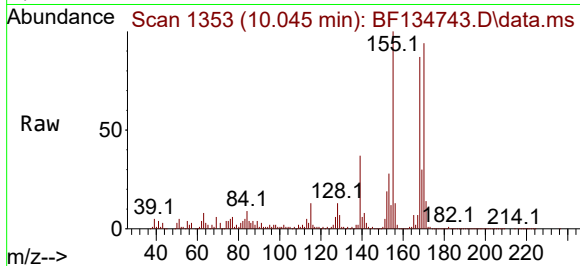




#55
Dibenzenofuran
Concen: 12.367 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

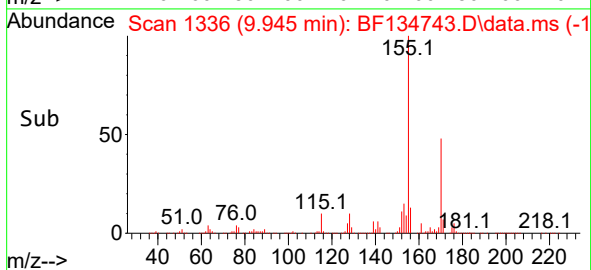
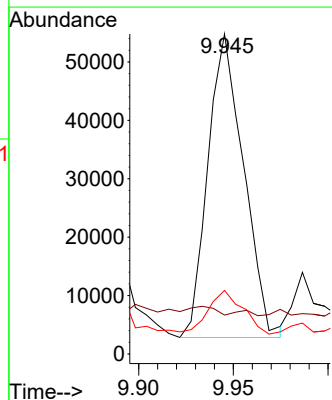
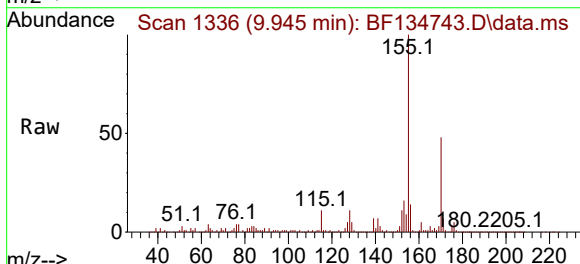
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

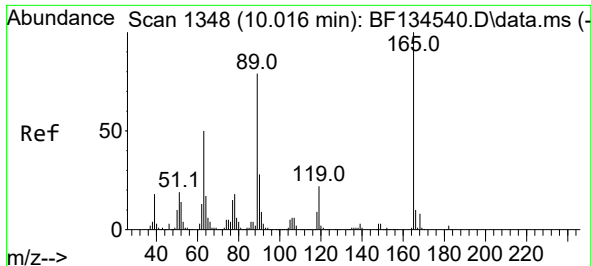
Tgt Ion:168 Resp: 340685
Ion Ratio Lower Upper
168 100
139 42.2 33.4 50.2
169 34.4 10.6 15.8#



#56
4-Nitrophenol
Concen: 16.858 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:139 Resp: 68290
Ion Ratio Lower Upper
139 100
109 12.2 76.9 116.9#
65 19.9 98.5 138.5#

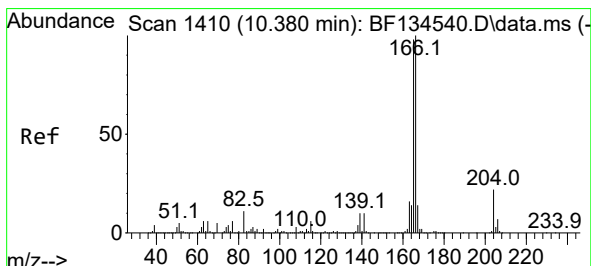
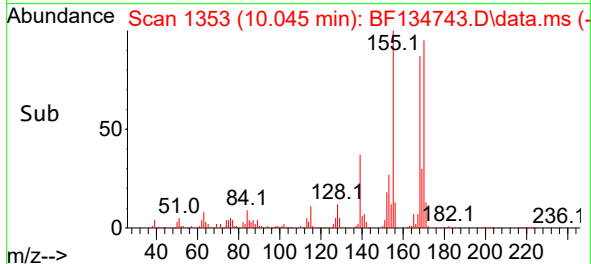
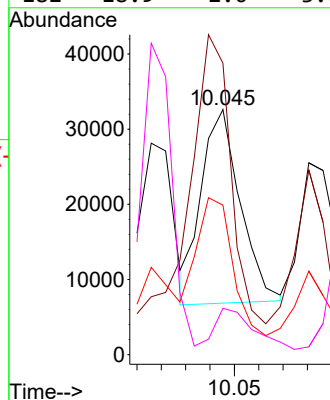
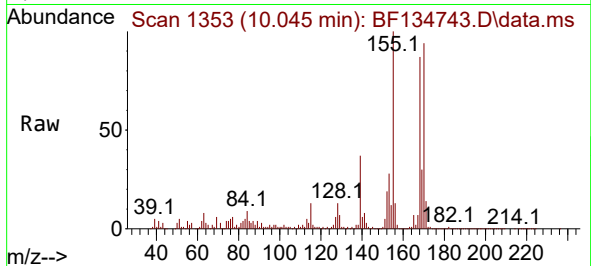




#57
2,4-Dinitrotoluene
Concen: 7.774 ng
RT: 10.045 min Scan# 1413
Delta R.T. 0.018 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

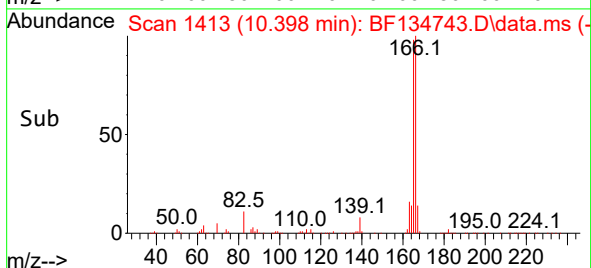
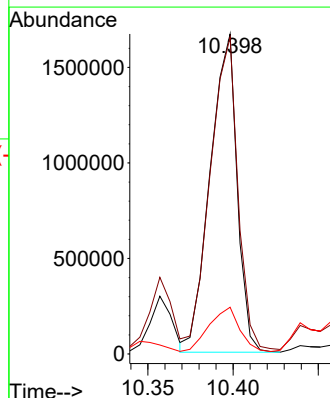
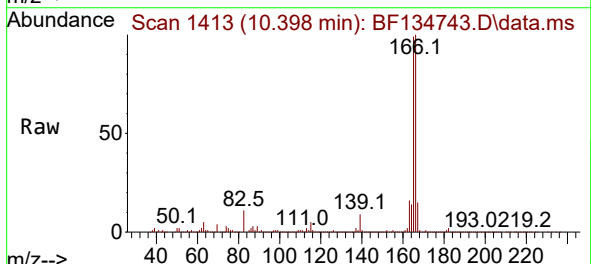
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

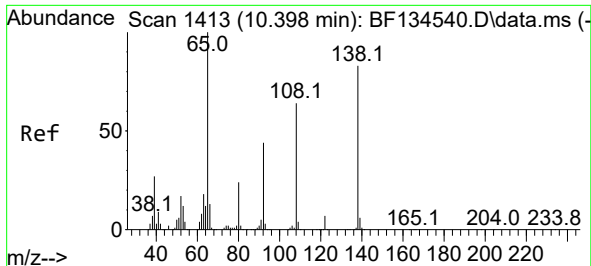
Tgt Ion:165 Resp: 28785
Ion Ratio Lower Upper
165 100
63 119.0 48.9 73.3#
89 61.1 61.7 92.5#
182 18.9 2.0 3.0#



#58
Fluorene
Concen: 91.239 ng
RT: 10.398 min Scan# 1413
Delta R.T. 0.012 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:166 Resp: 1830788
Ion Ratio Lower Upper
166 100
165 99.0 74.5 111.7
167 14.6 10.6 16.0

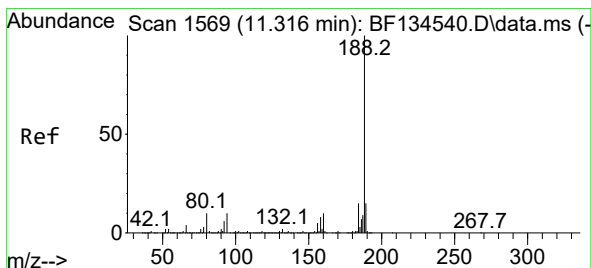
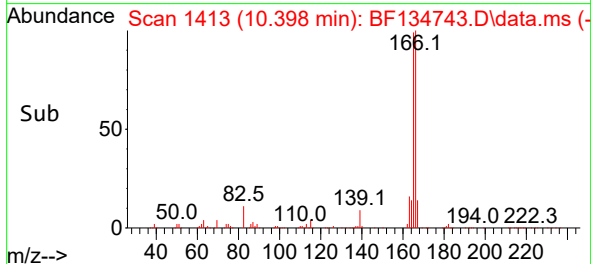
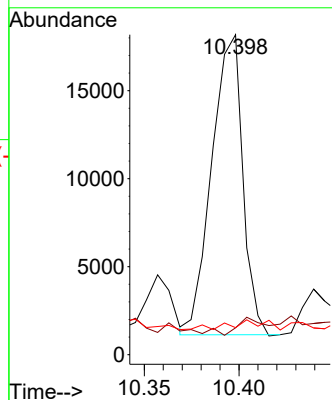
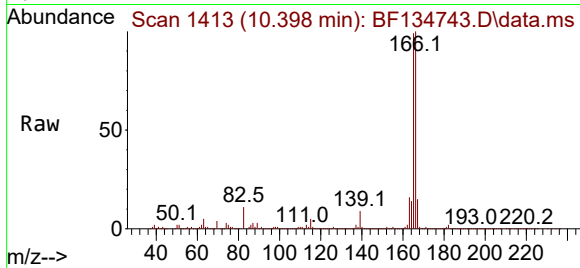




#62
4-Nitroaniline
Concen: 3.999 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

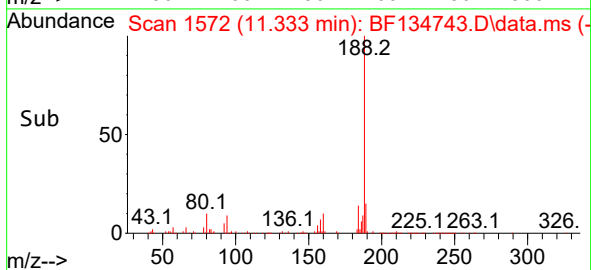
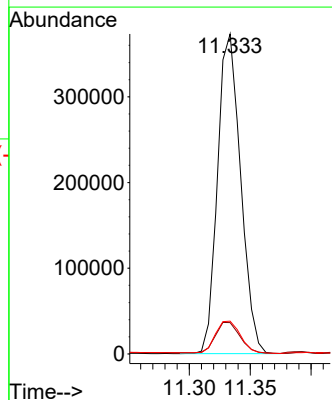
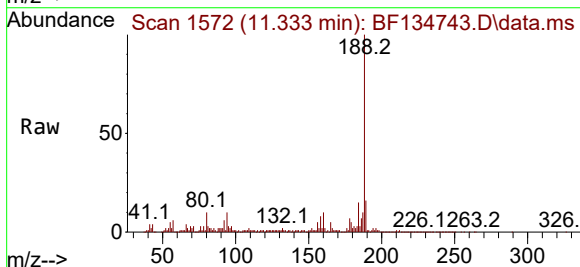
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

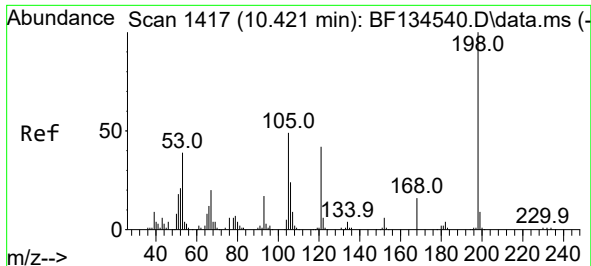
Tgt Ion:138 Resp: 19413
Ion Ratio Lower Upper
138 100
92 8.4 27.0 67.0#
108 8.5 70.4 110.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:188 Resp: 492673
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.2 6.6 9.8#

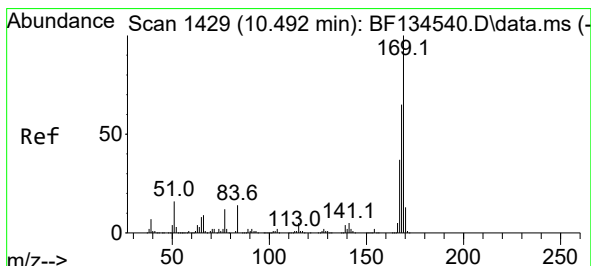
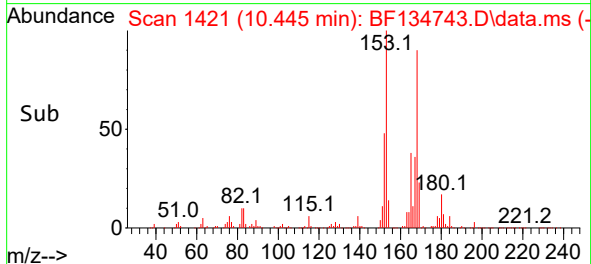
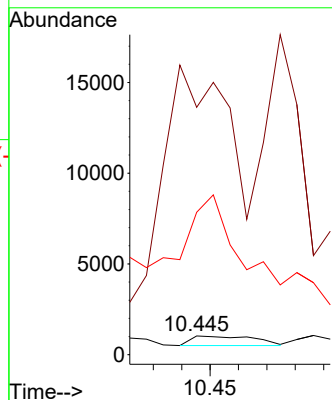
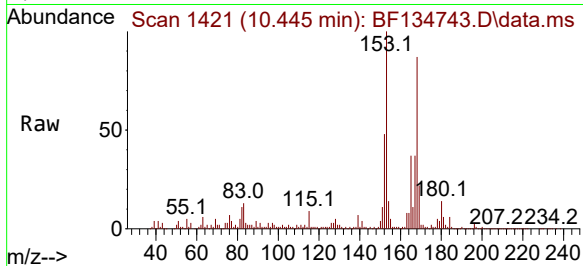




#65
4,6-Dinitro-2-methylphenol
Concen: 9.033 ng
RT: 10.445 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

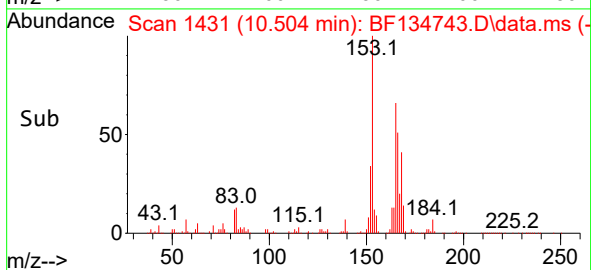
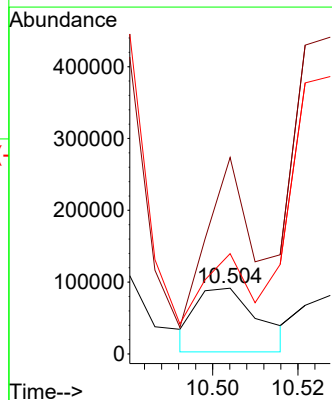
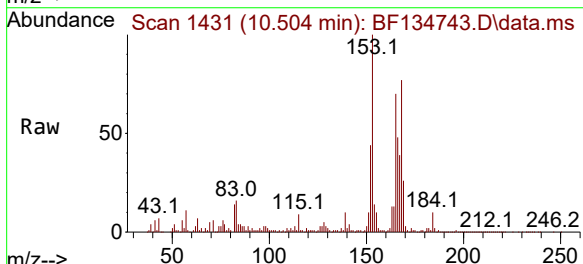
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

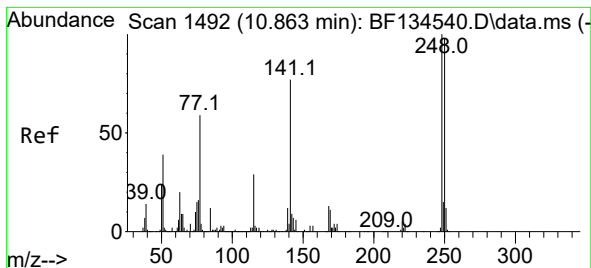
Tgt Ion:198 Resp: 812
Ion Ratio Lower Upper
198 100
51 1323.1 38.6 78.6#
105 761.8 27.9 67.9#



#66
n-Nitrosodiphenylamine
Concen: 5.782 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:169 Resp: 90672
Ion Ratio Lower Upper
169 100
168 298.9 52.6 78.8#
167 152.5 29.8 44.8#

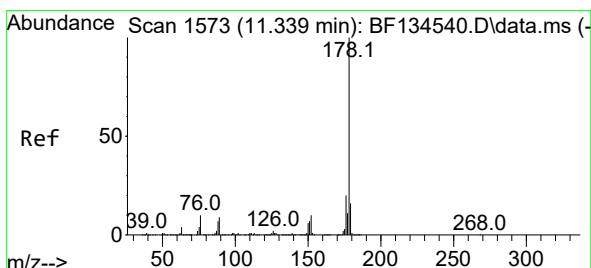
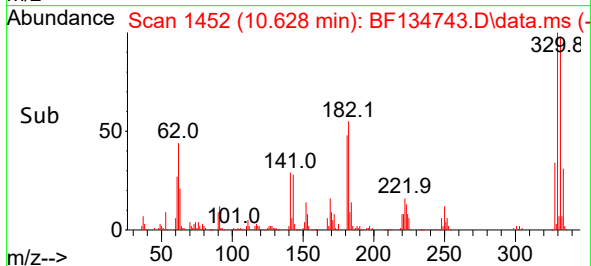
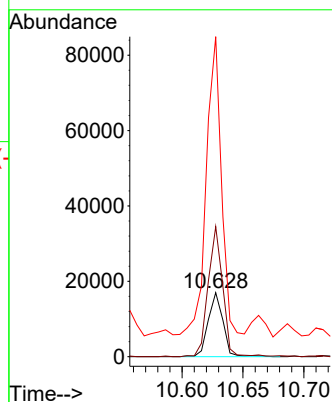
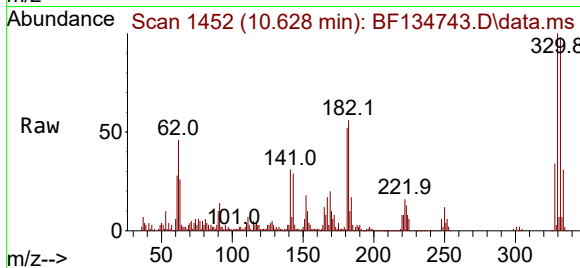




#67
4-Bromophenyl-phenylether
Concen: 2.670 ng
RT: 10.628 min Scan# 1492
Delta R.T. -0.241 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

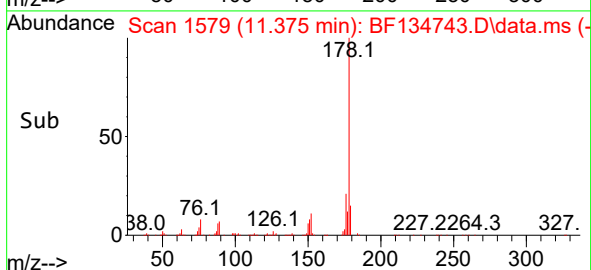
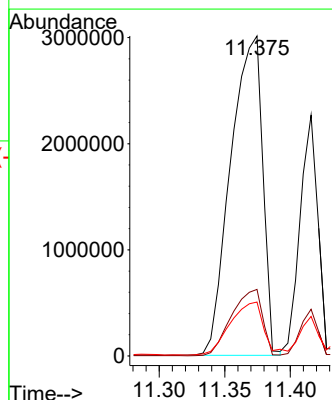
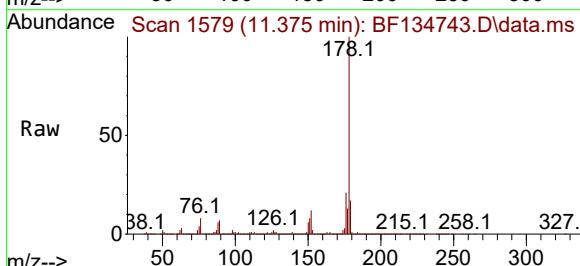
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

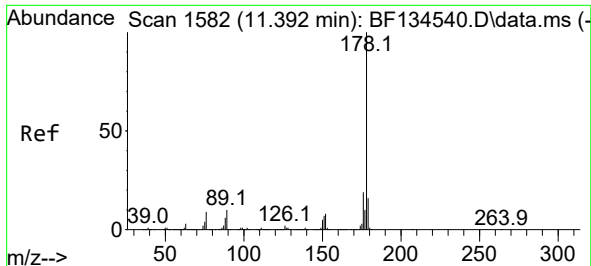
Tgt Ion:248 Resp: 14399
Ion Ratio Lower Upper
248 100
250 203.1 79.6 119.4#
141 499.8 59.6 89.4#



#71
Phenanthrene
Concen: 194.646 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.024 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:178 Resp: 5093642
Ion Ratio Lower Upper
178 100
176 20.8 15.8 23.6
179 16.8 12.7 19.1

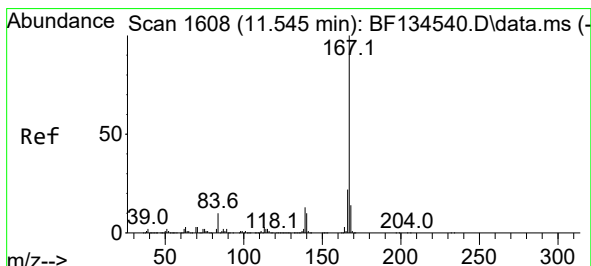
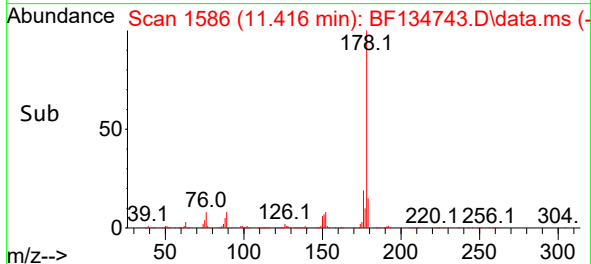
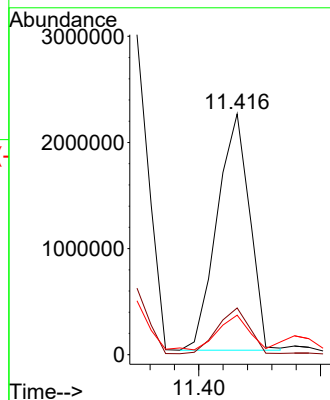
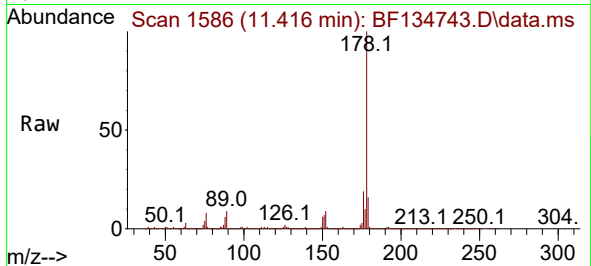




#72
 Anthracene
 Concen: 77.306 ng
 RT: 11.416 min Scan# 1
 Delta R.T. 0.012 min
 Lab File: BF134743.D
 Acq: 11 Aug 2023 20:50

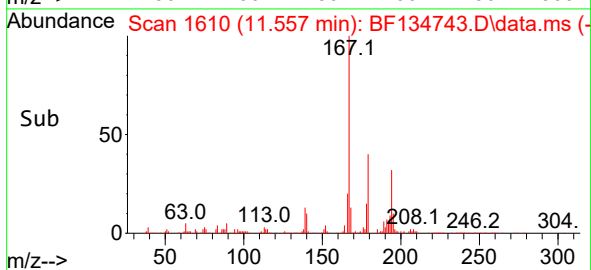
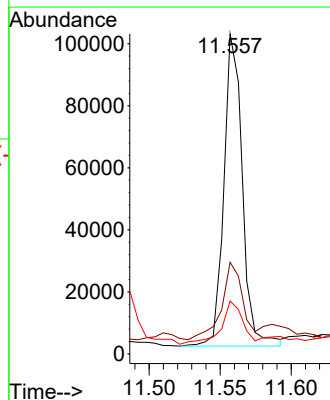
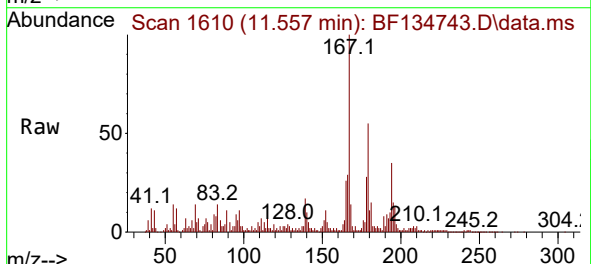
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z10-12

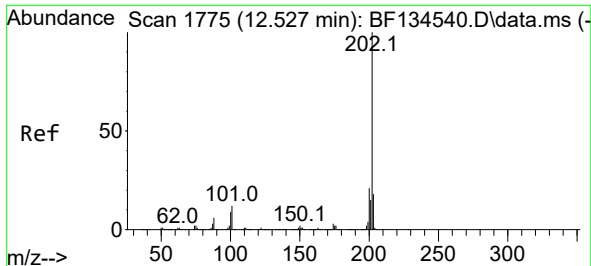
Tgt Ion:178 Resp: 2066399
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.6 21.8
 179 16.4 12.3 18.5



#73
 Carbazole
 Concen: 3.813 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. 0.000 min
 Lab File: BF134743.D
 Acq: 11 Aug 2023 20:50

Tgt Ion:167 Resp: 91015
 Ion Ratio Lower Upper
 167 100
 166 28.7 17.5 26.3#
 139 16.6 11.0 16.4#

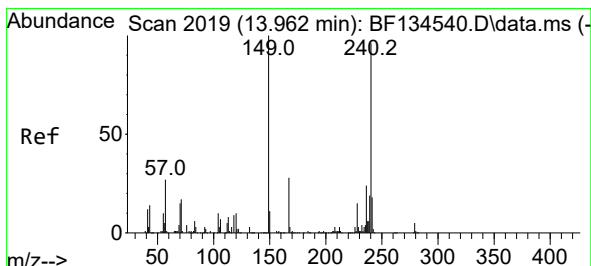
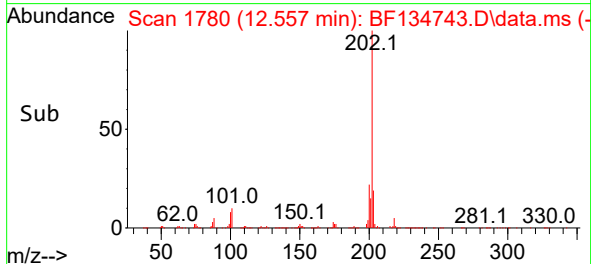
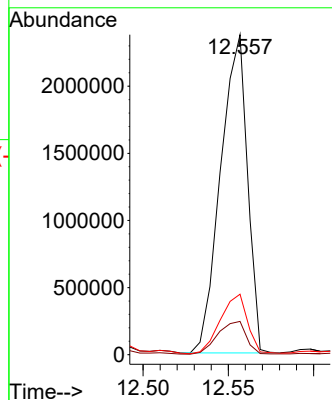
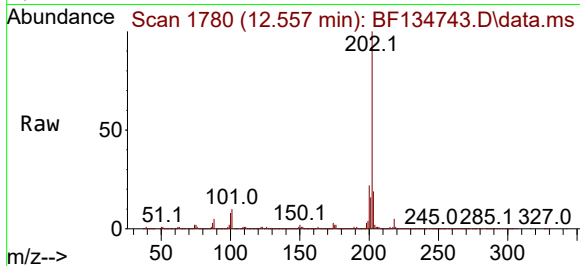




#75
Fluoranthene
Concen: 93.850 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

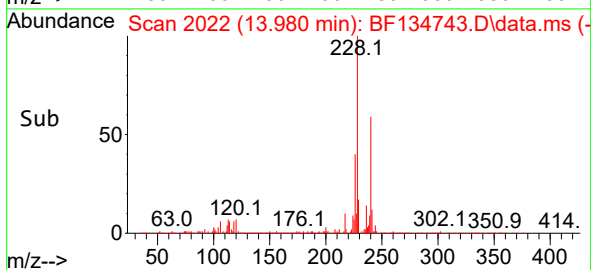
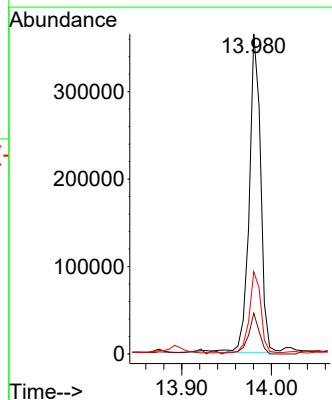
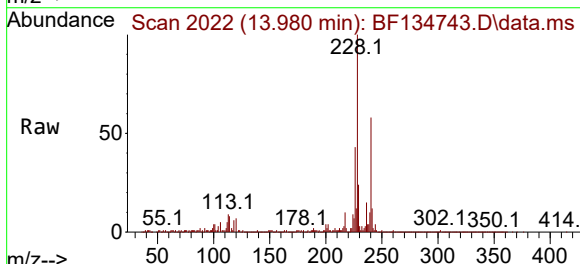
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

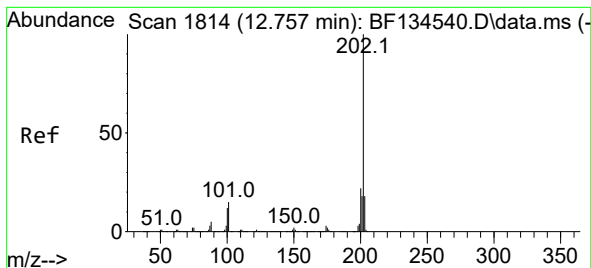
Tgt Ion:202 Resp: 2594246
Ion Ratio Lower Upper
202 100
101 10.4 0.0 28.5
203 18.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:240 Resp: 322695
Ion Ratio Lower Upper
240 100
120 12.7 6.6 10.0#
236 25.7 20.2 30.2





#78

Pyrene

Concen: 131.569 ng

RT: 12.792 min Scan# 1820

Delta R.T. 0.024 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

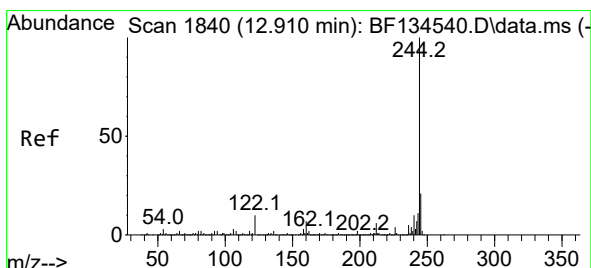
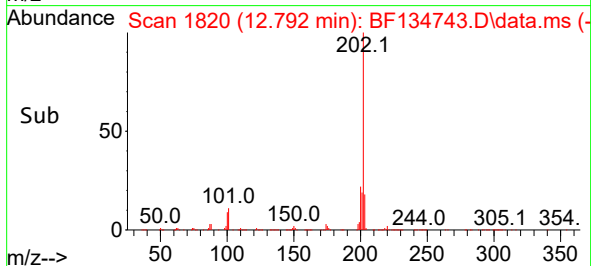
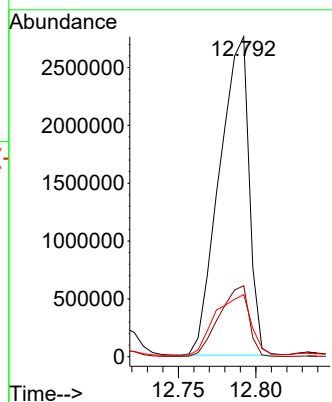
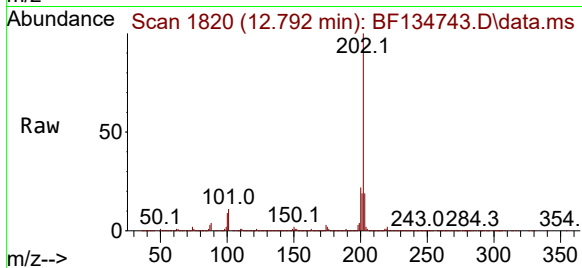
Tgt Ion:202 Resp: 3673841

Ion Ratio Lower Upper

202 100

200 22.2 15.8 23.8

203 19.4 13.5 20.3



#79

Terphenyl-d14

Concen: 55.025 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

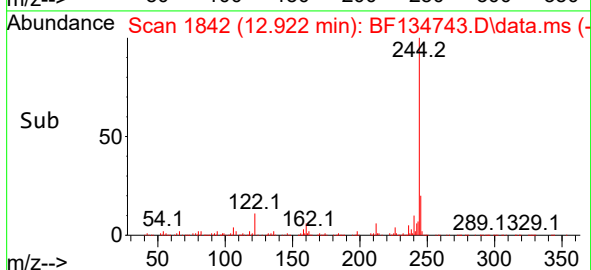
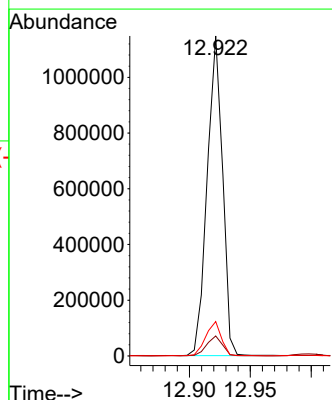
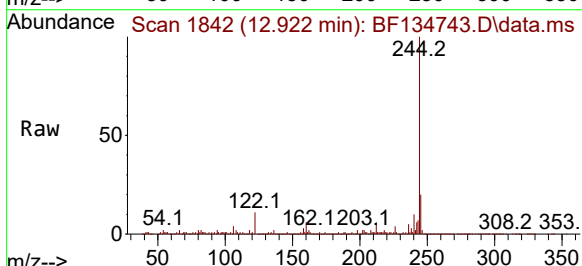
Tgt Ion:244 Resp: 1007241

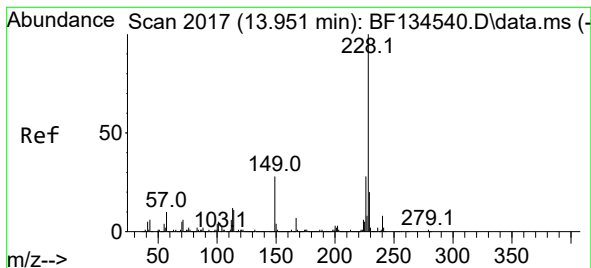
Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

122 10.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 62.170 ng

RT: 14.010 min Scan# 20

Delta R.T. 0.047 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

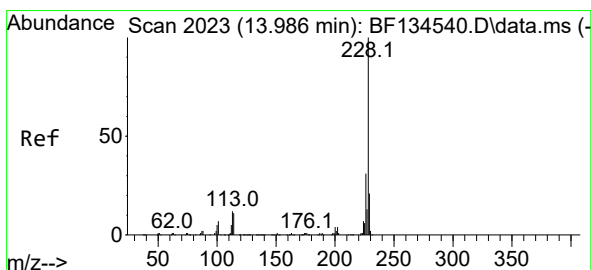
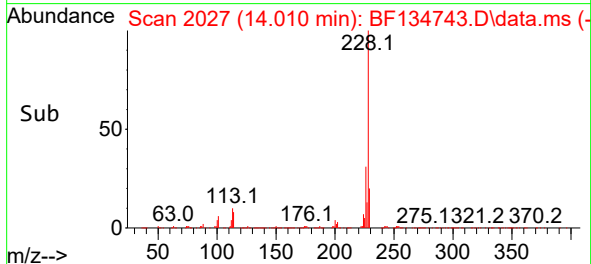
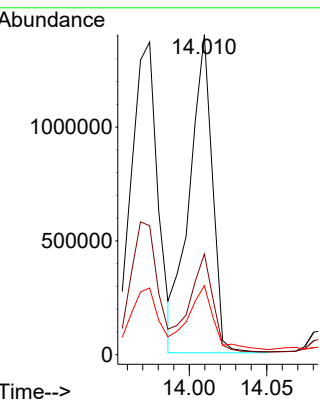
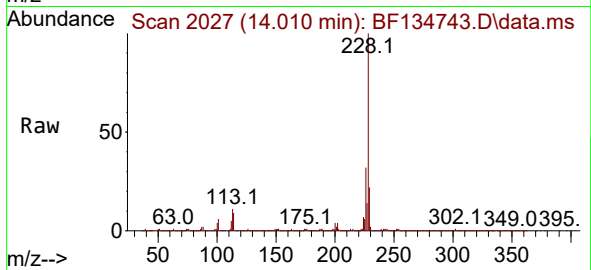
Tgt Ion:228 Resp: 1434518

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

229 21.6 15.8 23.6



#83

Chrysene

Concen: 63.812 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.012 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

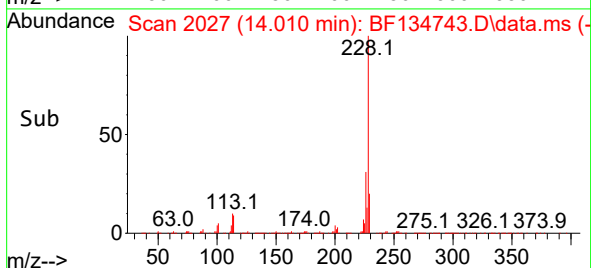
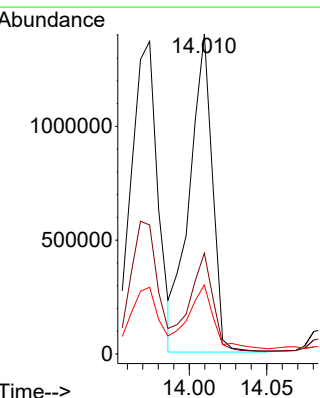
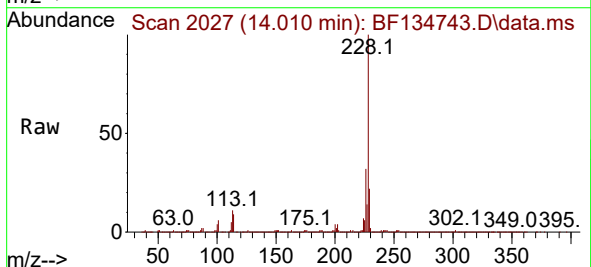
Tgt Ion:228 Resp: 1434518

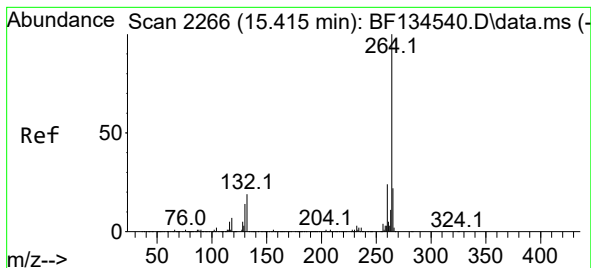
Ion Ratio Lower Upper

228 100

226 31.5 24.5 36.7

229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

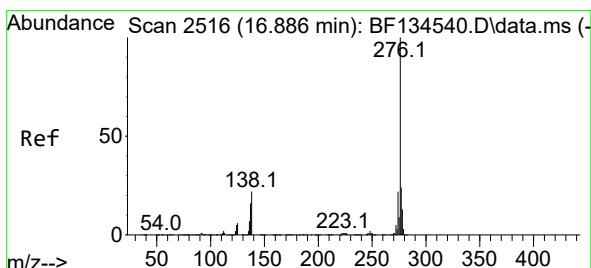
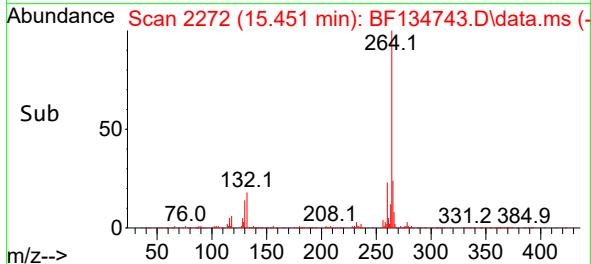
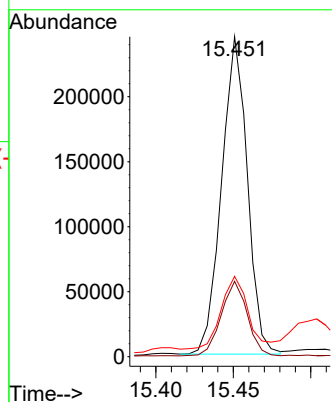
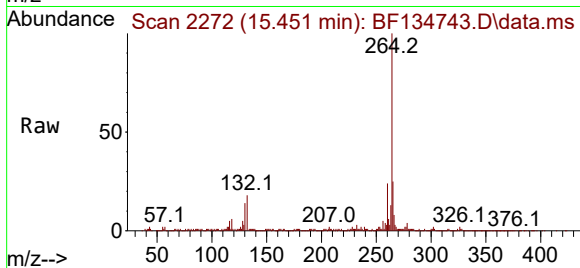
Tgt Ion:264 Resp: 281595

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 25.1 15.8 23.8#



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.158 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.012 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

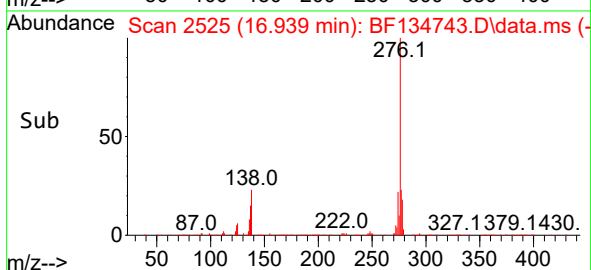
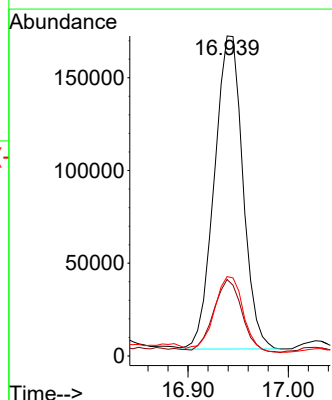
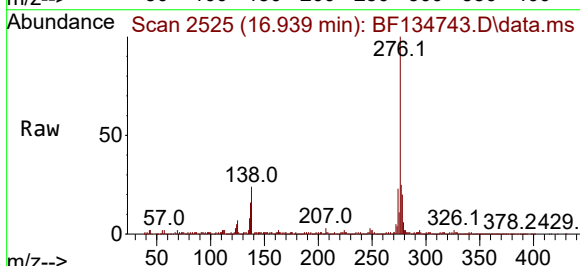
Tgt Ion:276 Resp: 333844

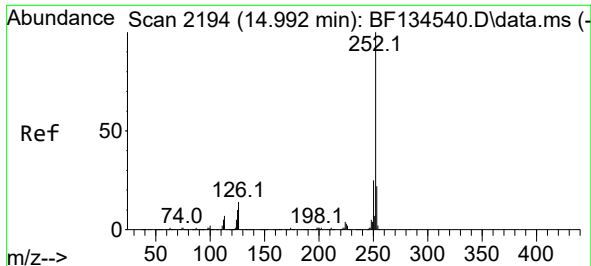
Ion Ratio Lower Upper

276 100

138 23.3 14.2 21.4#

277 24.8 19.9 29.9

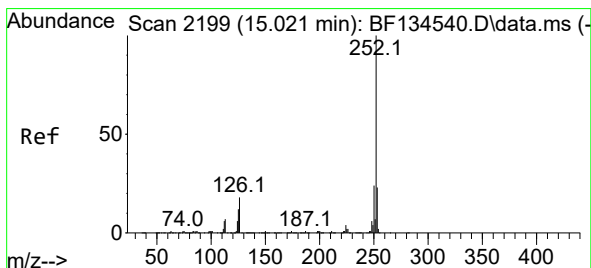
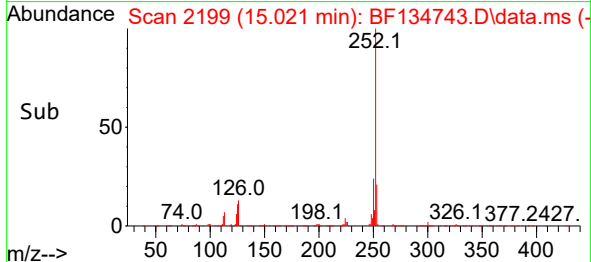
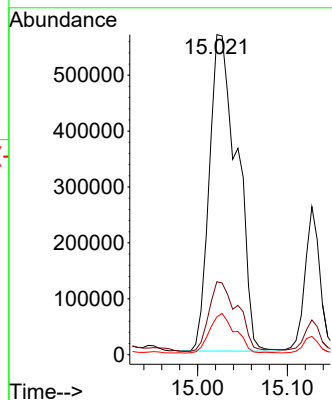
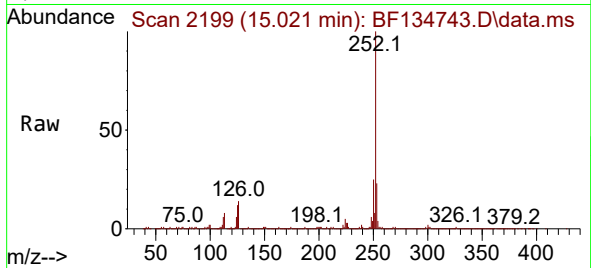




#88
Benzo(b)fluoranthene
Concen: 71.111 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

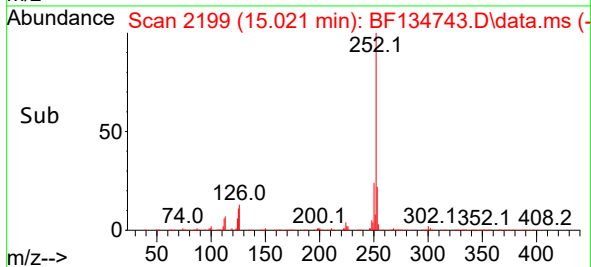
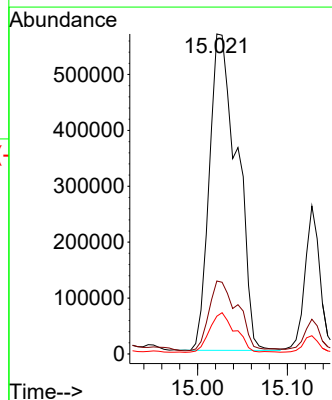
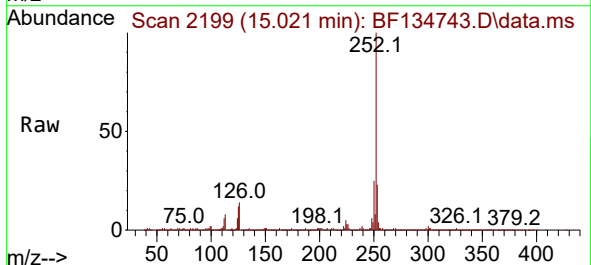
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z10-12

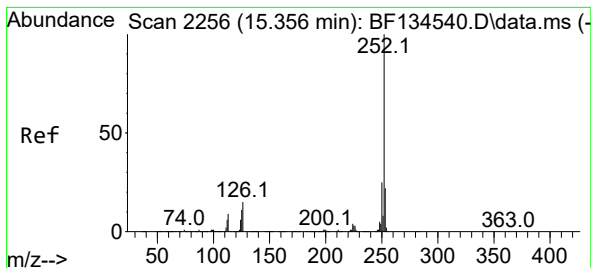
Tgt Ion:252 Resp: 1221275
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 11.8 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 71.385 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF134743.D
Acq: 11 Aug 2023 20:50

Tgt Ion:252 Resp: 1221275
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 11.8 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 64.466 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12

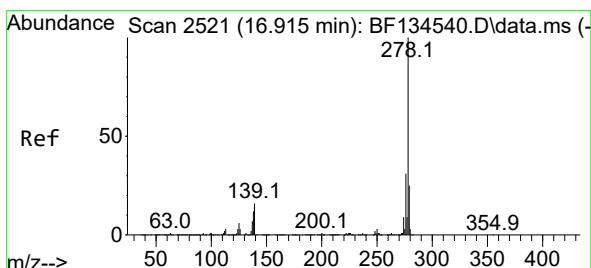
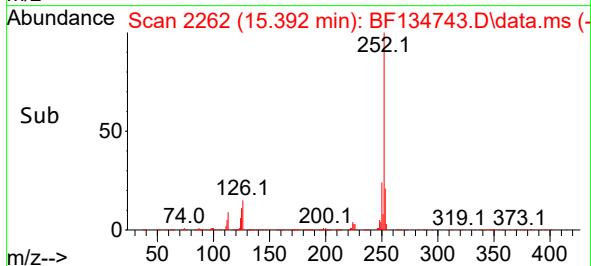
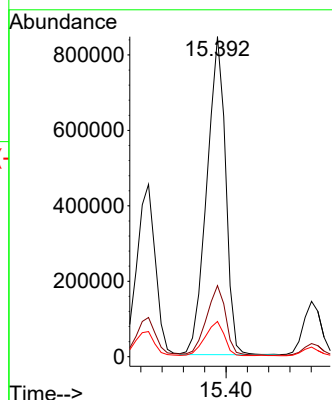
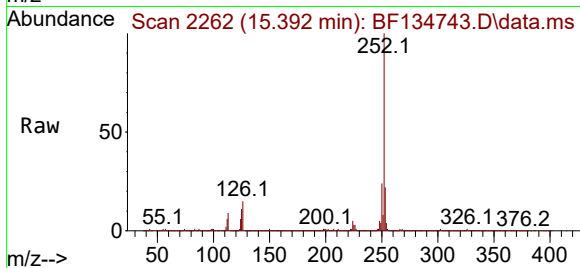
Tgt Ion:252 Resp: 1032287

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.4

125 11.0 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 7.183 ng

RT: 16.951 min Scan# 2527

Delta R.T. 0.000 min

Lab File: BF134743.D

Acq: 11 Aug 2023 20:50

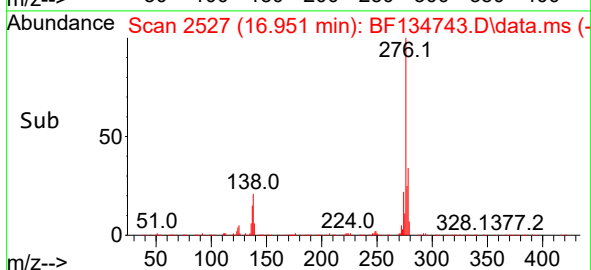
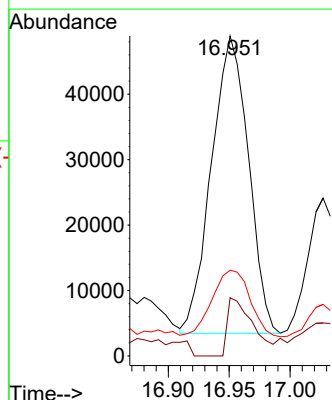
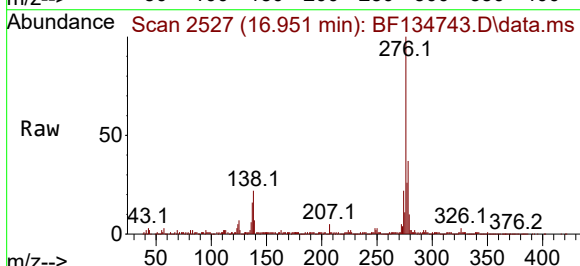
Tgt Ion:278 Resp: 96141

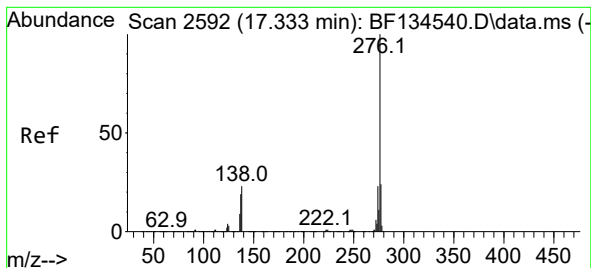
Ion Ratio Lower Upper

278 100

139 18.2 10.0 15.0#

279 26.8 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 26.998 ng

RT: 17.398 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF134743.D

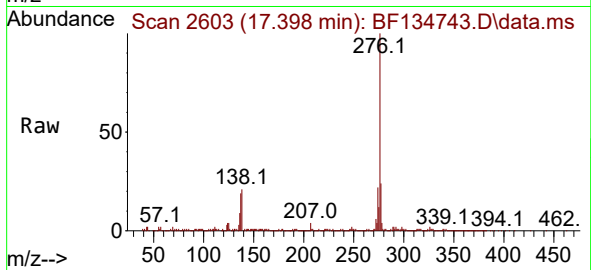
Acq: 11 Aug 2023 20:50

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z10-12



Tgt Ion:276 Resp: 368601

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 21.4 12.2 18.2#

