

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134789.D
 Acq On : 15 Aug 2023 17:45
 Operator : CG\JU
 Sample : 03944-01 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23

Quant Time: Aug 16 03:12:39 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	6.804	152	168778	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	255775	20.000	ng	# 0.01
39) Acenaphthene-d10	9.845	164	276019	20.000	ng	0.01
64) Phenanthrene-d10	11.333	188	386679	20.000	ng	# 0.01
76) Chrysene-d12	13.992	240	303759	20.000	ng	# 0.02
86) Perylene-d12	15.457	264	275740	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	42440	3.822	ng	-0.01
7) Phenol-d6	6.428	99	52230	3.680	ng	-0.01
23) Nitrobenzene-d5	7.322	82	3410	0.833	ng	-0.05
42) 2,4,6-Tribromophenol	10.633	330	8921	3.171	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	67943	4.093	ng	0.00
79) Terphenyl-d14	12.921	244	62108	3.604	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.363	77	146768	17.365	ng	# 1
18) Hexachloroethane	7.334	117	180059	44.174	ng	# 1
22) Acetophenone	7.192	105	63660	10.781	ng	# 50
24) Nitrobenzene	7.416	77	32501	7.350	ng	# 8
26) 2-Nitrophenol	7.710	139	3115	6.283	ng	# 1
28) bis(2-Chloroethoxy)met...	7.828	93	14686	2.750	ng	# 58
31) Naphthalene	8.186	128	21588682	1679.429	ng	# 91
32) Benzoic acid	7.881	122	2514	8.676	ng	# 1
33) 4-Chloroaniline	8.186	127	3383040	590.643	ng	# 37
35) Caprolactam	8.551	113	5711	4.896	ng	# 1
37) 2-Methylnaphthalene	8.851	142	8171055	958.973	ng	98
38) 1-Methylnaphthalene	8.945	142	5493846	693.381	ng	97
46) 1,1'-Biphenyl	9.275	154	2553446	118.964	ng	98
48) 2-Nitroaniline	9.375	65	58441	14.053	ng	# 33
49) Acenaphthylene	9.710	152	1056822	41.803	ng	# 85
51) 2,6-Dinitrotoluene	9.545	165	37129	11.627	ng	# 1
52) Acenaphthene	9.910	154	4649964	283.826	ng	99
54) 2,4-Dinitrophenol	9.933	184	1380	7.980	ng	# 1
55) Dibenzofuran	10.057	168	629650	26.998	ng	# 91
56) 4-Nitrophenol	9.957	139	117558	34.279	ng	# 11
57) 2,4-Dinitrotoluene	10.051	165	58065	14.582	ng	# 55
58) Fluorene	10.410	166	3089344	181.859	ng	93
62) 4-Nitroaniline	10.410	138	37042	9.013	ng	# 21
63) Azobenzene	10.545	77	40700	2.124	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.463	198	840	9.139	ng	# 1
66) n-Nitrosodiphenylamine	10.510	169	121354	9.860	ng	# 1
71) Phenanthrene	11.392	178	8377762	407.899	ng	97
72) Anthracene	11.433	178	3258928	155.340	ng	95
73) Carbazole	11.563	167	183175	9.779	ng	94
75) Fluoranthene	12.569	202	4468108	205.947	ng	96
78) Pyrene	12.727	202	457124	17.391	ng	95
81) Benzo(a)anthracene	14.021	228	2518933	115.972	ng	92
83) Chrysene	14.021	228	2518933	119.035	ng	95
87) Indeno(1,2,3-cd)pyrene	16.956	276	758079	46.746	ng	# 96
88) Benzo(b)fluoranthene	15.033	252	2621914	155.908	ng	# 95
89) Benzo(k)fluoranthene	15.033	252	2621914	156.508	ng	# 97

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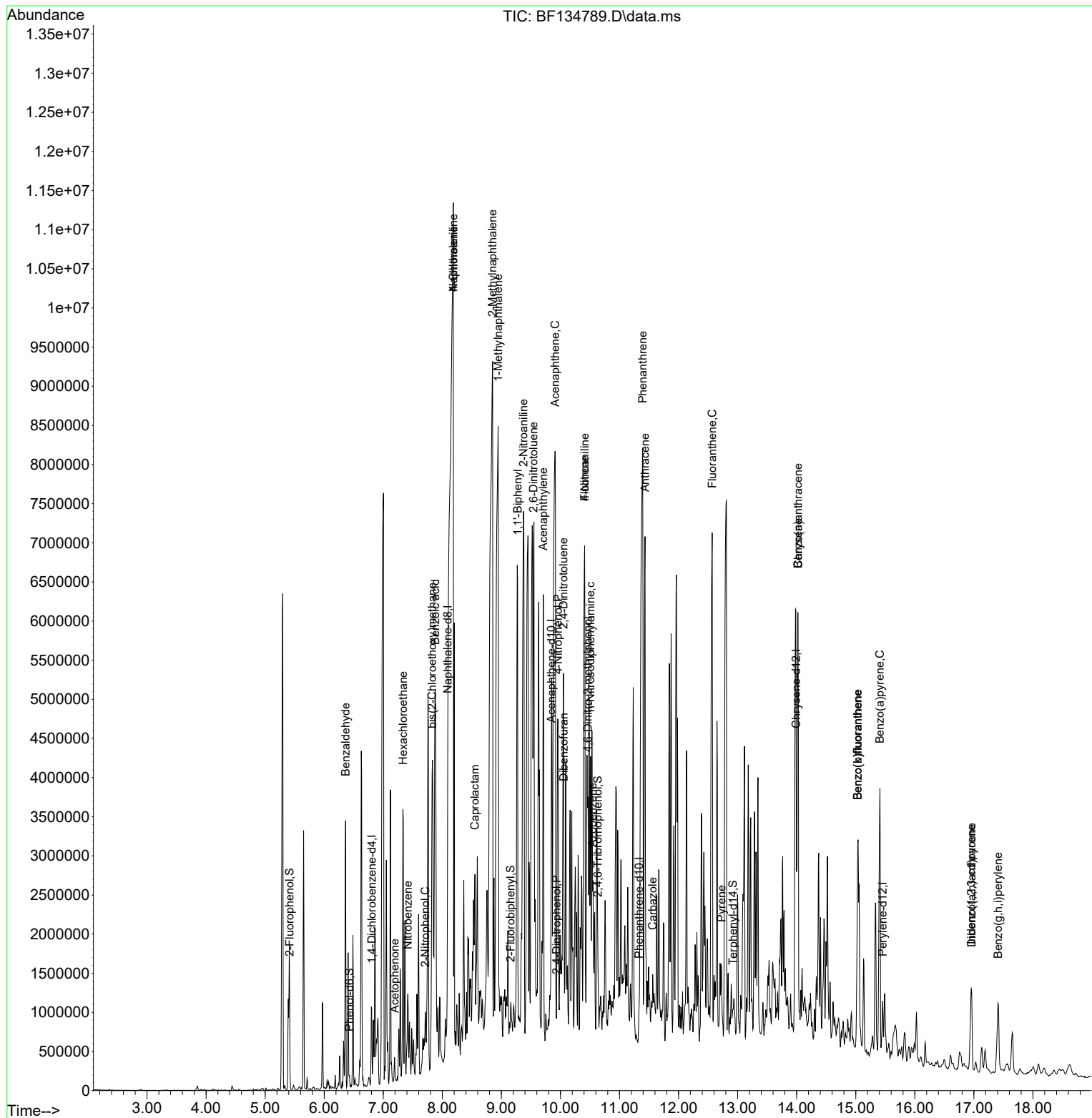
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.410	252	2187464	139.507	ng	# 96
91) Dibenzo(a,h)anthracene	16.962	278	204096	15.573	ng	# 92
92) Benzo(g,h,i)perylene	17.409	276	818929	61.257	ng	# 92

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

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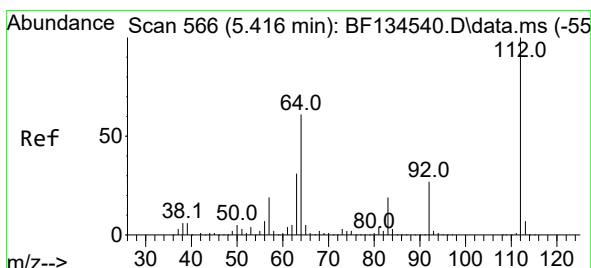
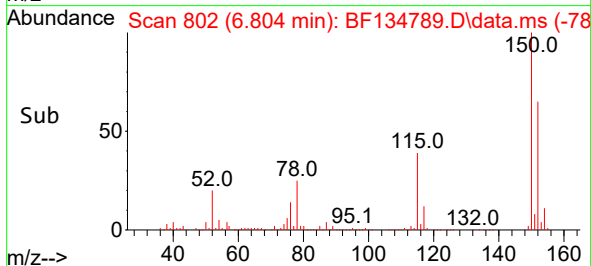
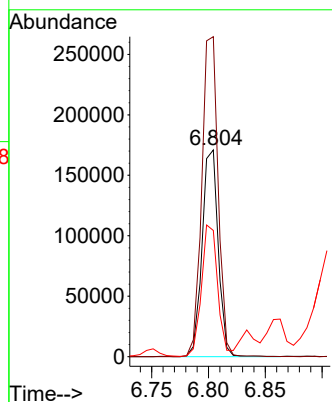
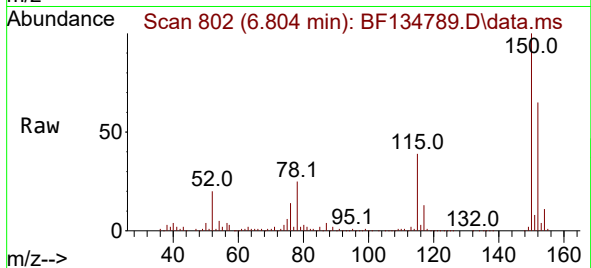




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

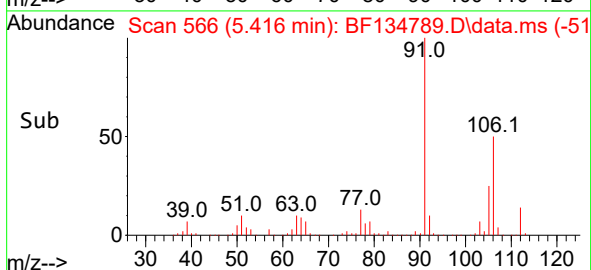
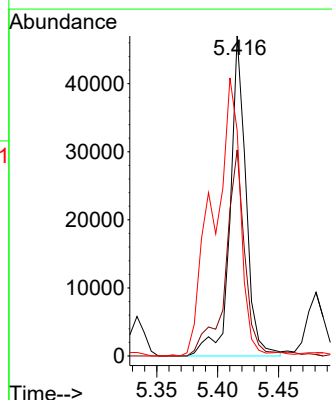
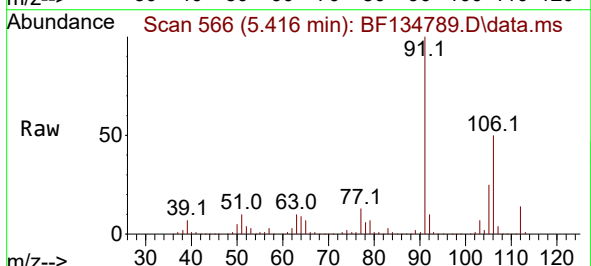
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

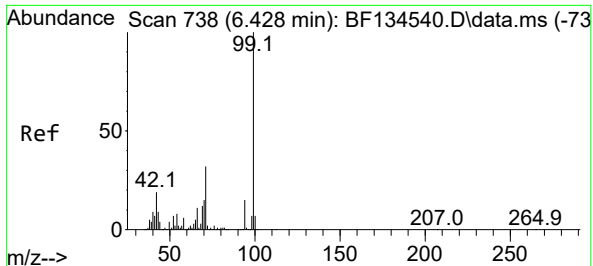
Tgt Ion:152 Resp: 168778
Ion Ratio Lower Upper
152 100
150 154.8 128.3 192.5
115 61.1 52.4 78.6



#5
2-Fluorophenol
Concen: 3.822 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:112 Resp: 42440
Ion Ratio Lower Upper
112 100
64 64.4 44.9 67.3
63 70.4 25.4 38.0#

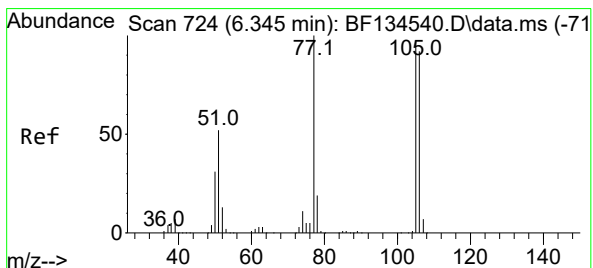
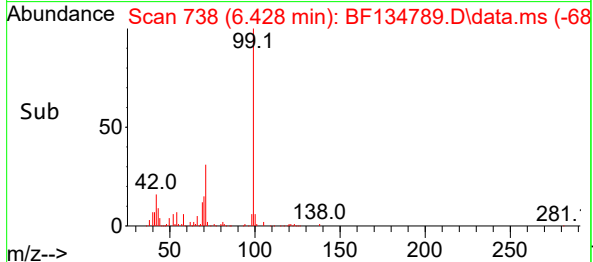
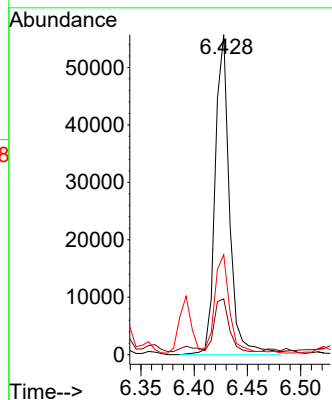
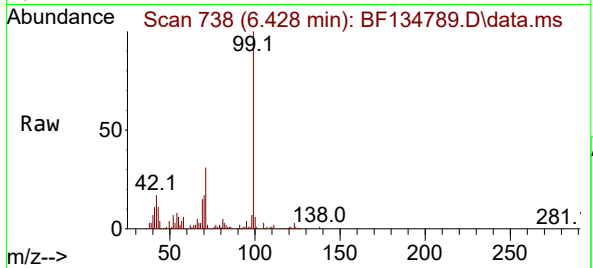




#7
Phenol-d6
Concen: 3.680 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

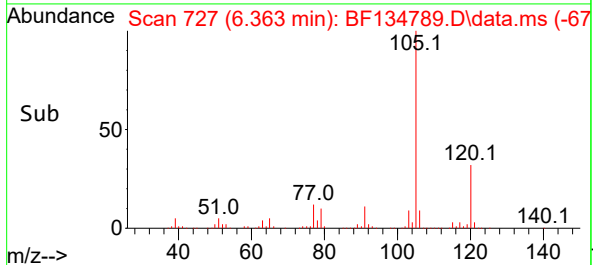
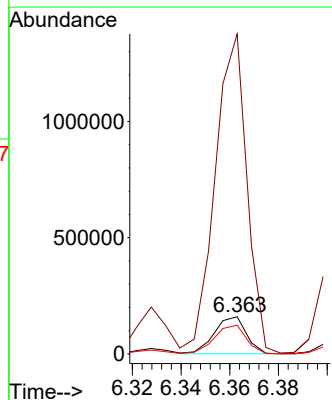
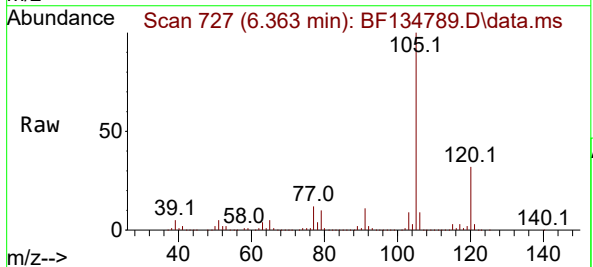
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BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

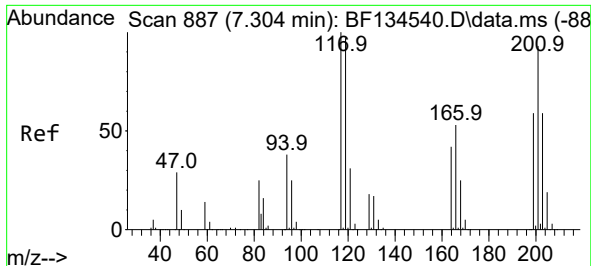
Tgt Ion: 99 Resp: 52230
Ion Ratio Lower Upper
99 100
42 17.5 18.7 28.1#
71 31.3 36.4 54.6#



#9
Benzaldehyde
Concen: 17.365 ng
RT: 6.363 min Scan# 727
Delta R.T. 0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion: 77 Resp: 146768
Ion Ratio Lower Upper
77 100
105 857.4 77.1 117.1#
106 77.0 71.4 111.4

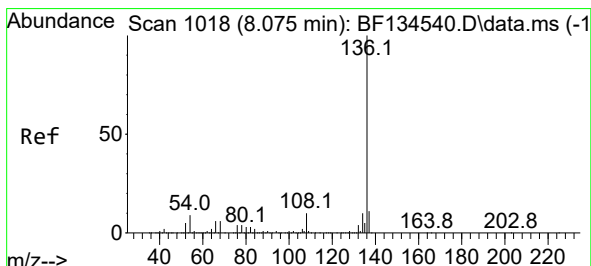
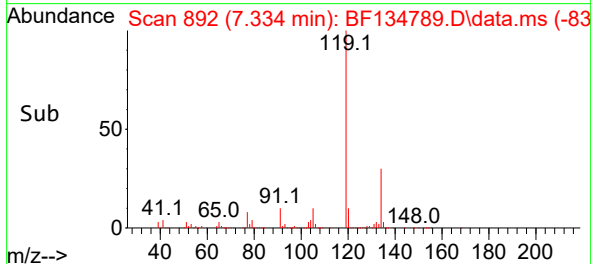
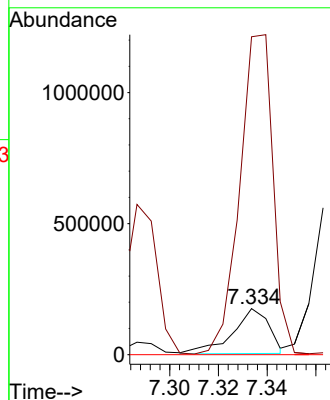
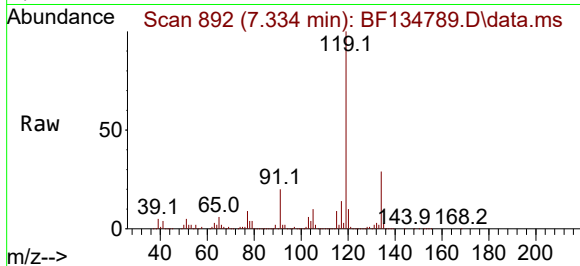




#18
Hexachloroethane
Concen: 44.174 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.024 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

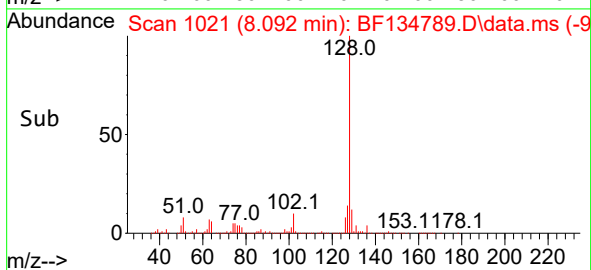
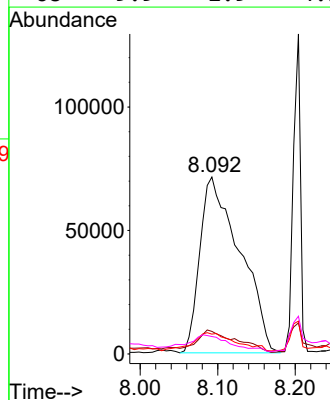
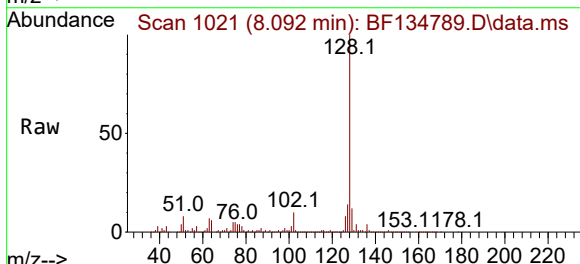
Instrument :
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ClientSampleId :
NEVINS-SB06-Z22-23

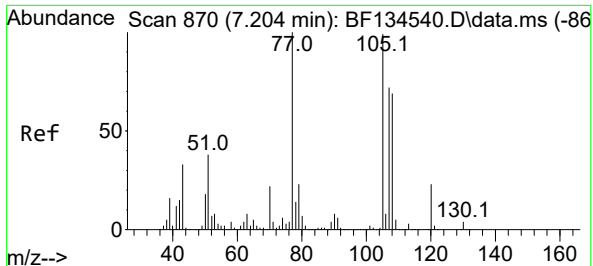
Tgt Ion:117 Resp: 180059
Ion Ratio Lower Upper
117 100
119 690.4 75.8 113.8#
201 0.0 73.6 110.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:136 Resp: 255775
Ion Ratio Lower Upper
136 100
137 12.8 8.4 12.6#
54 11.2 5.2 7.8#
68 9.9 2.9 4.3#

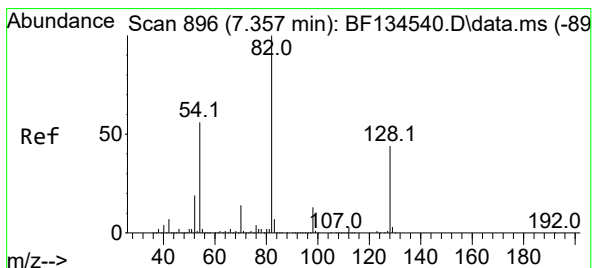
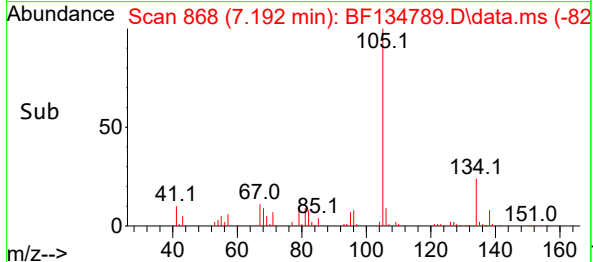
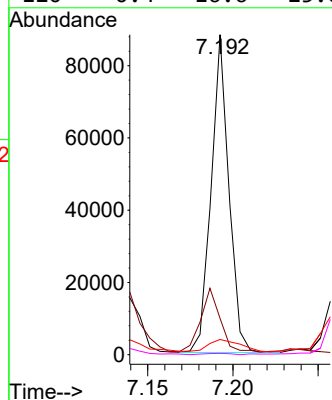
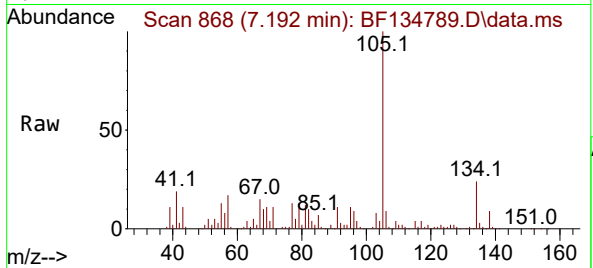




#22
Acetophenone
Concen: 10.781 ng
RT: 7.192 min Scan# 810
Delta R.T. -0.023 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

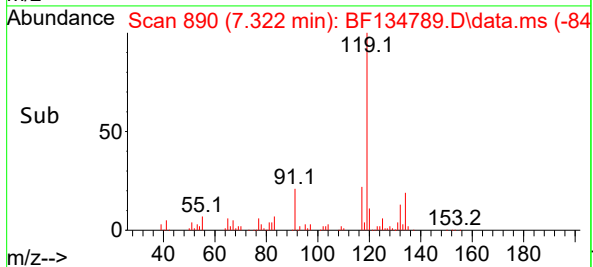
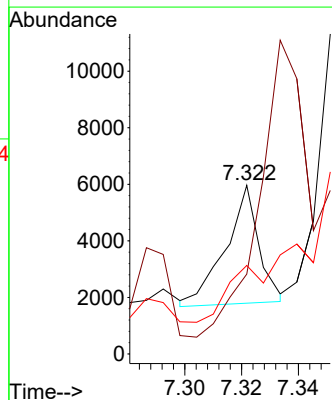
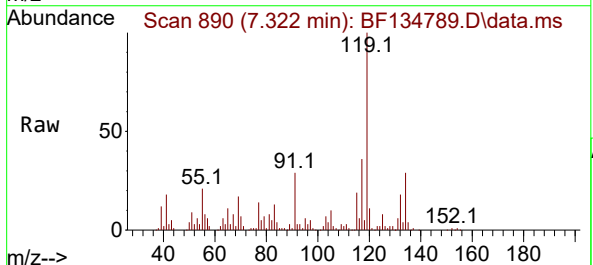
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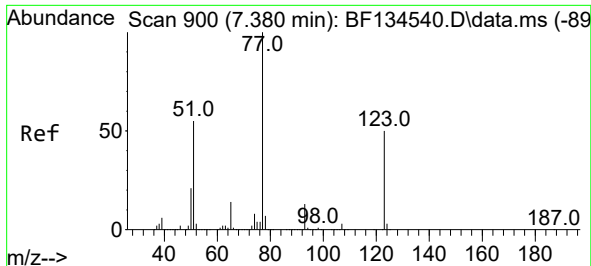
Tgt Ion:105 Resp: 63660
Ion Ratio Lower Upper
105 100
71 11.3 7.4 11.0#
51 4.8 36.4 54.6#
120 0.4 16.6 25.0#



#23
Nitrobenzene-d5
Concen: 0.833 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.047 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion: 82 Resp: 3410
Ion Ratio Lower Upper
82 100
128 47.3 34.3 51.5
54 52.5 43.8 65.6

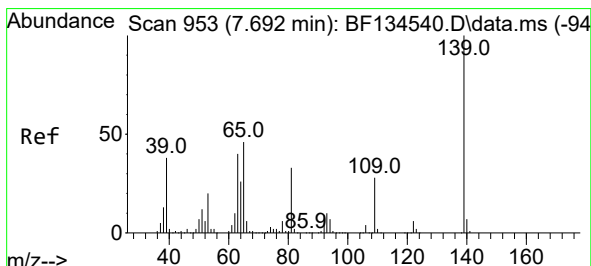
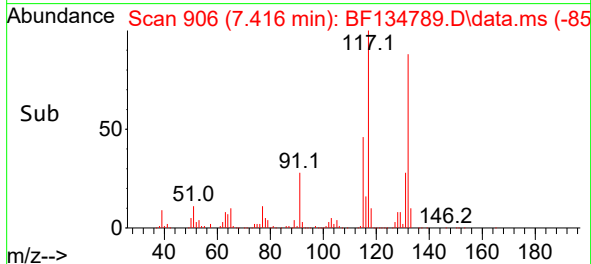
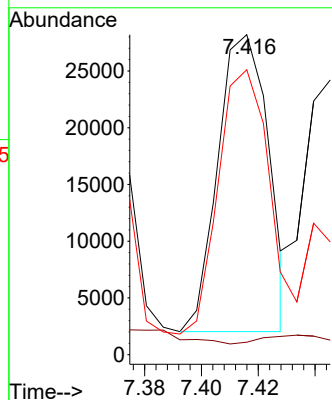
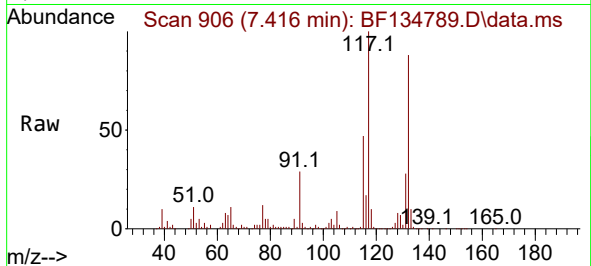




#24
Nitrobenzene
Concen: 7.350 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.029 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

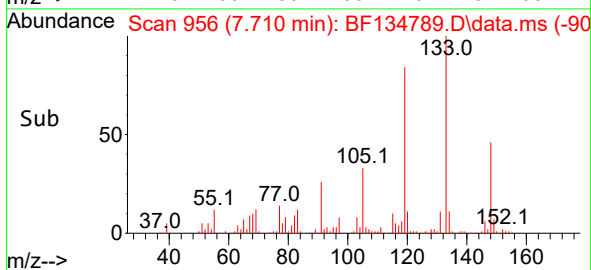
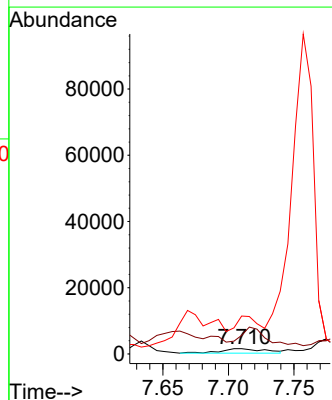
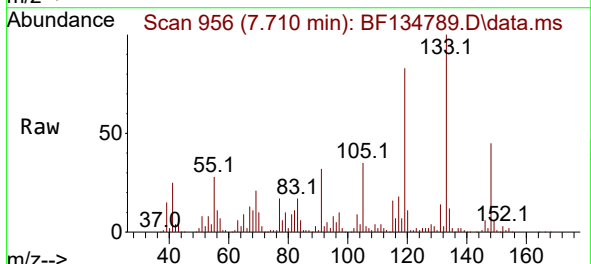
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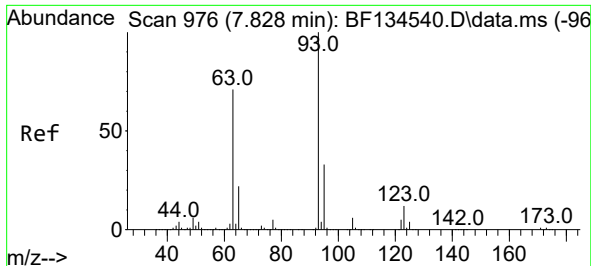
Tgt Ion: 77 Resp: 32501
Ion Ratio Lower Upper
77 100
123 3.9 35.5 53.3#
65 89.0 11.9 17.9#



#26
2-Nitrophenol
Concen: 6.283 ng
RT: 7.710 min Scan# 956
Delta R.T. 0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion: 139 Resp: 3115
Ion Ratio Lower Upper
139 100
109 345.8 29.8 44.6#
65 706.5 45.4 68.2#

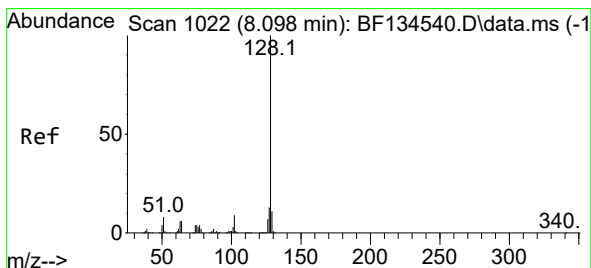
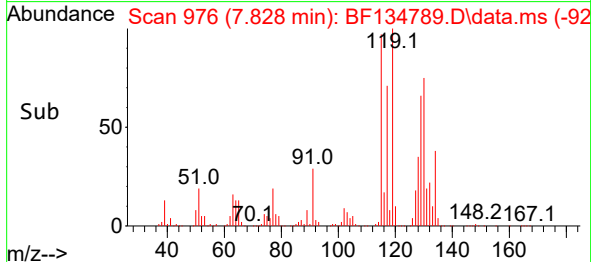
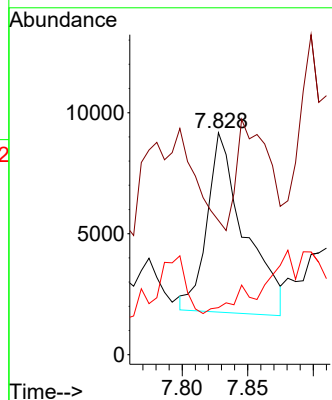
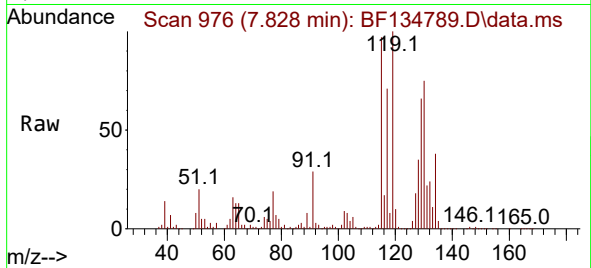




#28
bis(2-Chloroethoxy)methane
Concen: 2.750 ng
RT: 7.828 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

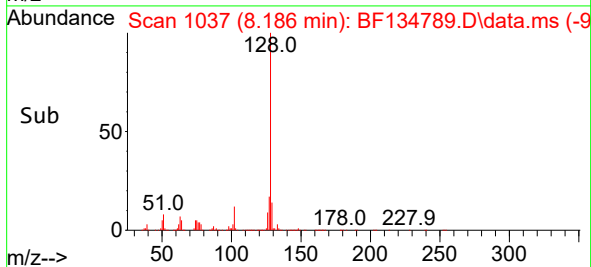
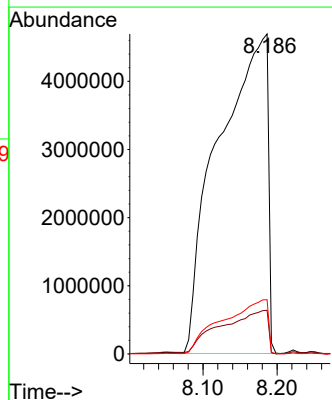
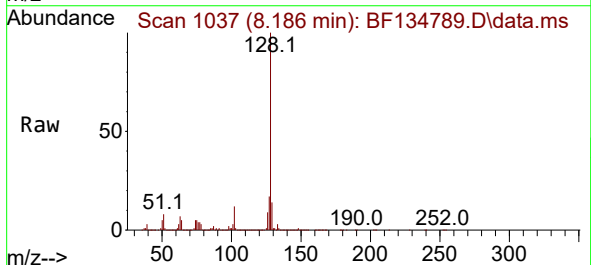
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ClientSampleId :
NEVINS-SB06-Z22-23

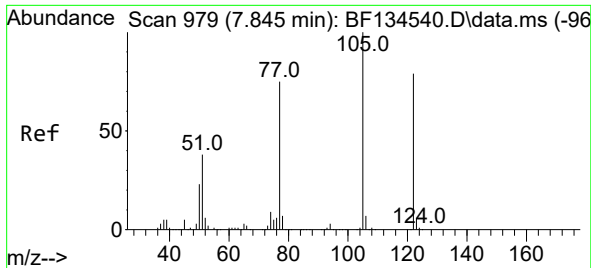
Tgt Ion: 93 Resp: 14686
Ion Ratio Lower Upper
93 100
95 60.5 26.5 39.7#
123 21.2 9.6 14.4#



#31
Naphthalene
Concen: 1679.429 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.082 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion: 128 Resp: 21588682
Ion Ratio Lower Upper
128 100
129 13.6 8.4 12.6#
127 17.0 10.7 16.1#

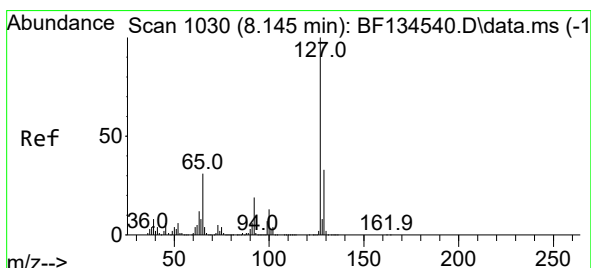
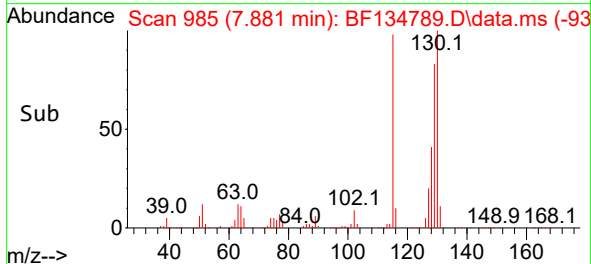
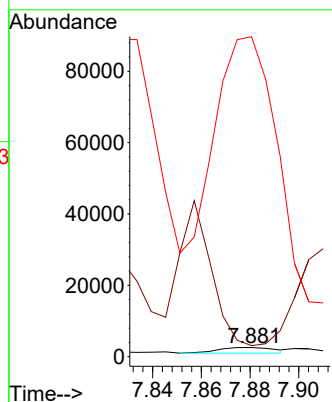
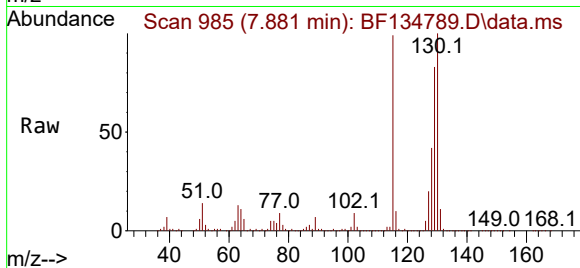




#32
Benzoic acid
Concen: 8.676 ng
RT: 7.881 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

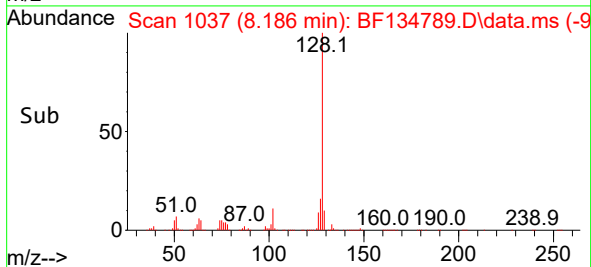
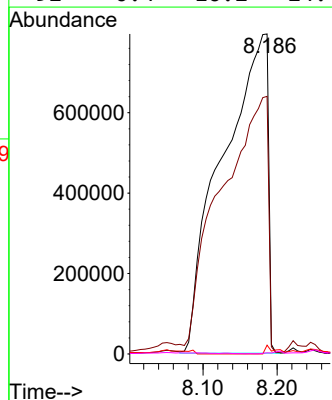
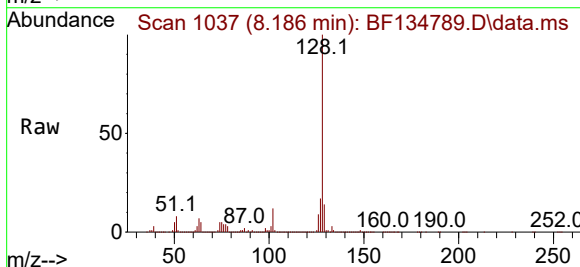
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

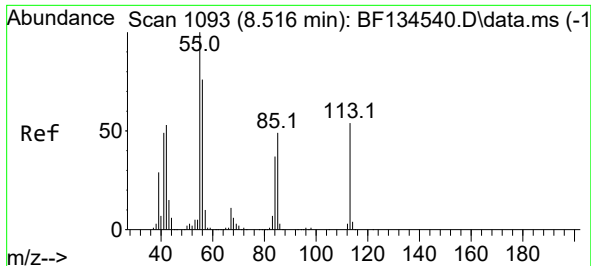
Tgt Ion:122 Resp: 2514
Ion Ratio Lower Upper
122 100
105 120.8 87.5 127.5
77 3504.4 71.4 111.4#



#33
4-Chloroaniline
Concen: 590.643 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.035 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:127 Resp: 3383040
Ion Ratio Lower Upper
127 100
129 80.5 25.6 38.4#
65 2.7 25.4 38.0#
92 0.4 16.2 24.4#

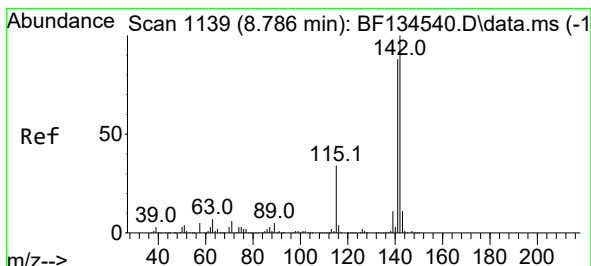
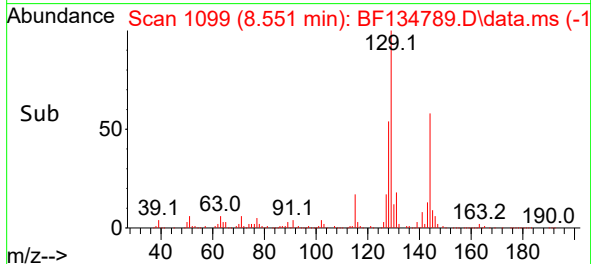
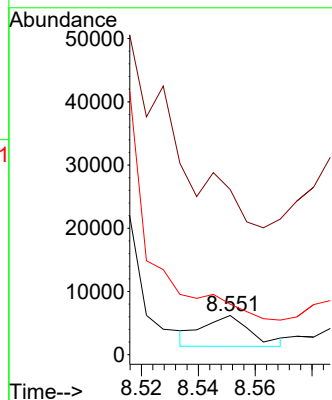
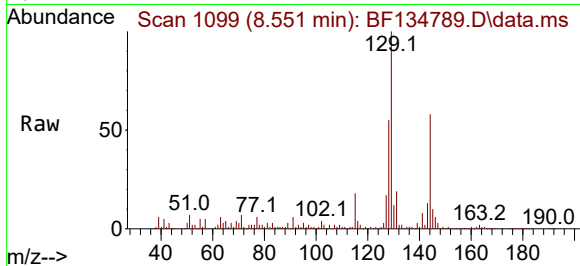




#35
 Caprolactam
 Concen: 4.896 ng
 RT: 8.551 min Scan# 1109
 Delta R.T. 0.018 min
 Lab File: BF134789.D
 Acq: 15 Aug 2023 17:45

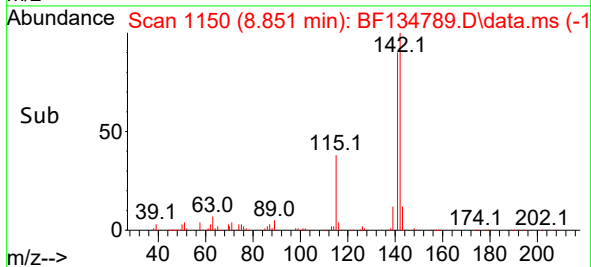
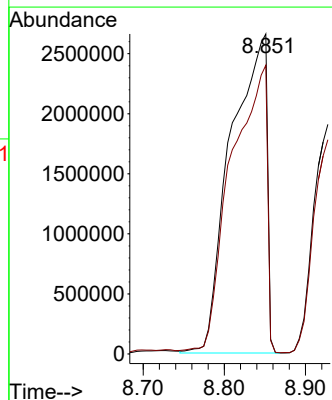
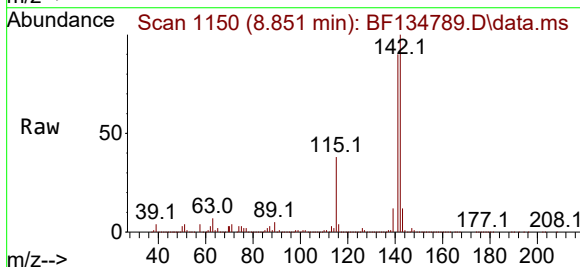
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23

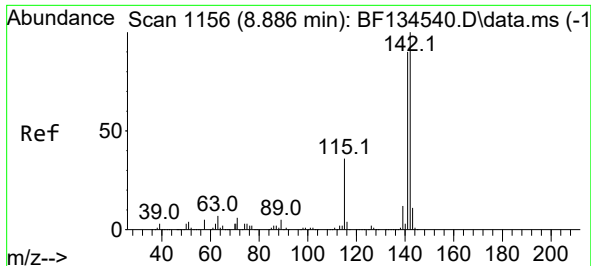
Tgt Ion:113 Resp: 5711
 Ion Ratio Lower Upper
 113 100
 55 421.2 161.5 201.5#
 56 128.9 117.8 157.8



#37
 2-Methylnaphthalene
 Concen: 958.973 ng
 RT: 8.851 min Scan# 1150
 Delta R.T. 0.059 min
 Lab File: BF134789.D
 Acq: 15 Aug 2023 17:45

Tgt Ion:142 Resp: 8171055
 Ion Ratio Lower Upper
 142 100
 141 90.2 70.8 106.2





#38

1-Methylnaphthalene

Concen: 693.381 ng

RT: 8.945 min Scan# 1156

Delta R.T. 0.053 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

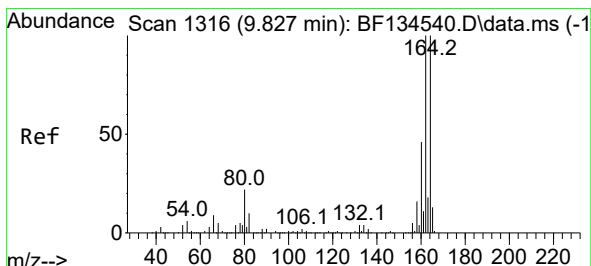
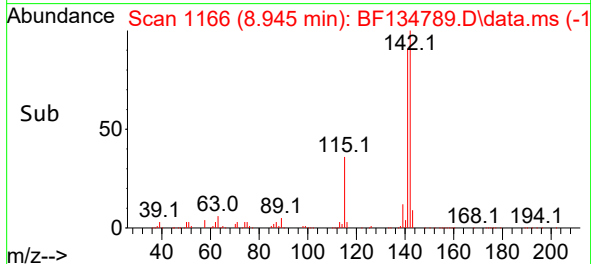
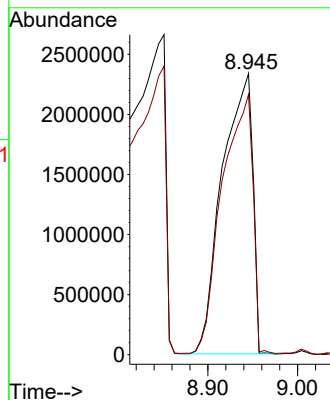
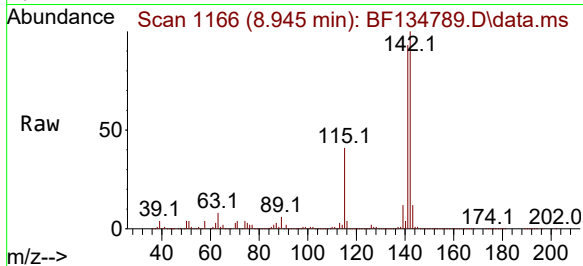
NEVINS-SB06-Z22-23

Tgt Ion:142 Resp: 5493846

Ion Ratio Lower Upper

142 100

141 92.5 71.4 107.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.012 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

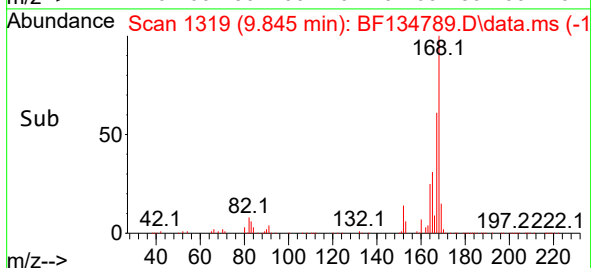
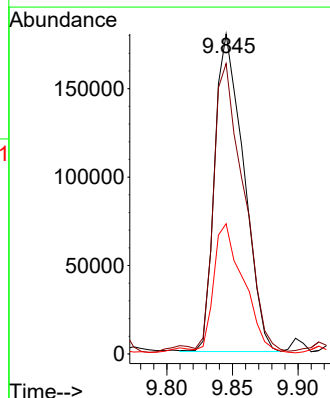
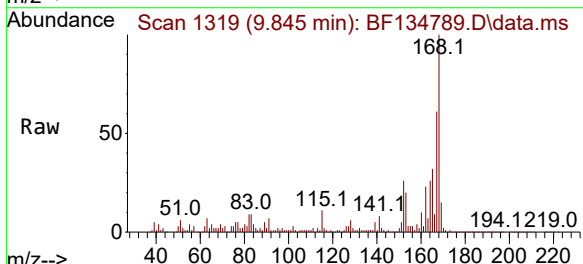
Tgt Ion:164 Resp: 276019

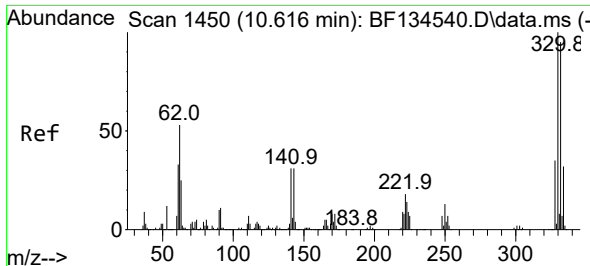
Ion Ratio Lower Upper

164 100

162 90.8 82.6 123.8

160 40.7 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 3.171 ng

RT: 10.633 min Scan# 1450

Delta R.T. 0.006 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

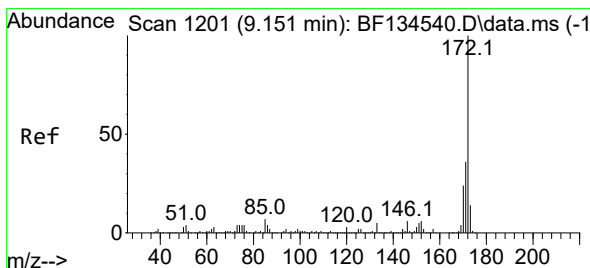
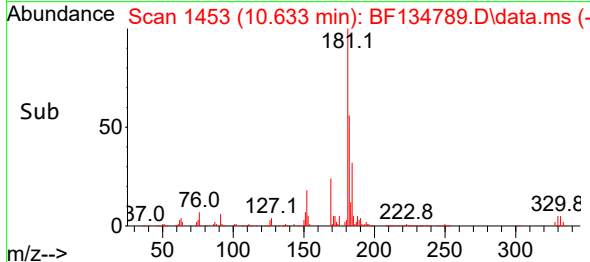
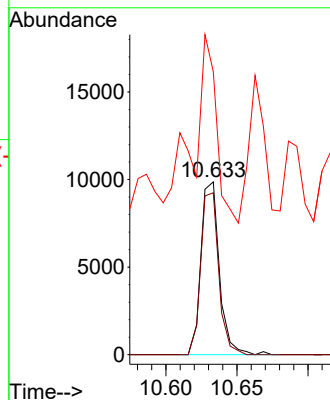
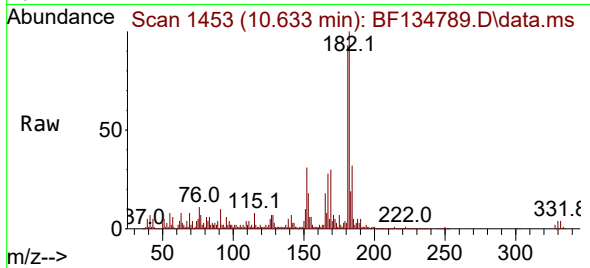
Tgt Ion:330 Resp: 8921

Ion Ratio Lower Upper

330 100

332 91.3 78.8 118.2

141 141.4 25.4 38.2#



#45

2-Fluorobiphenyl

Concen: 4.093 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

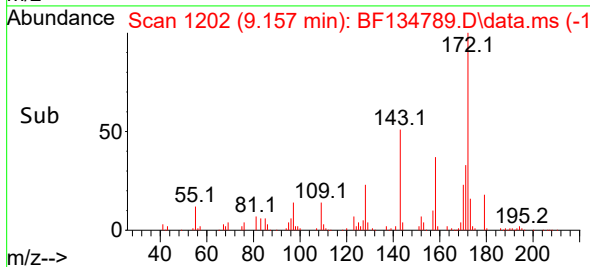
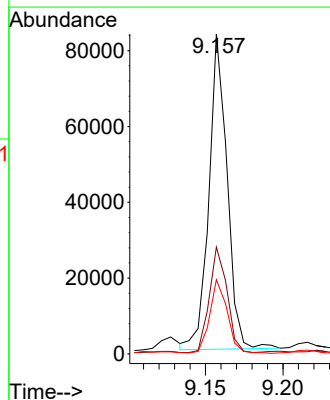
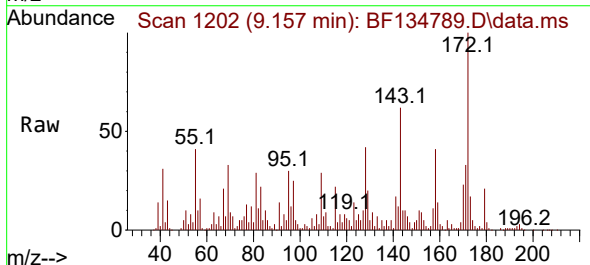
Tgt Ion:172 Resp: 67943

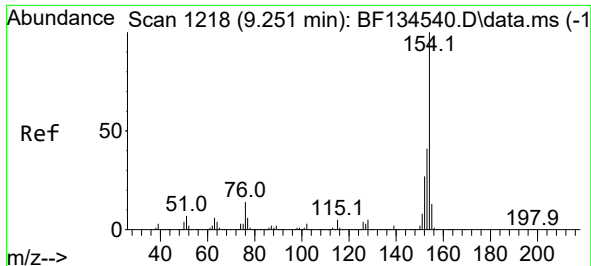
Ion Ratio Lower Upper

172 100

171 33.4 28.8 43.2

170 23.2 18.7 28.1

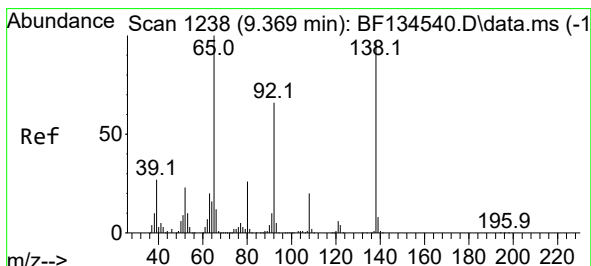
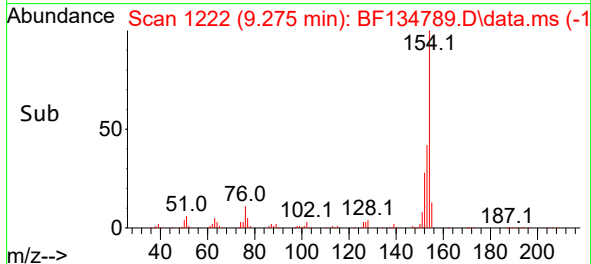
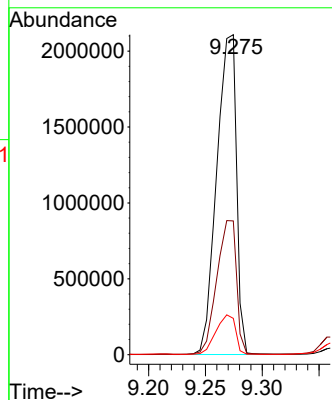
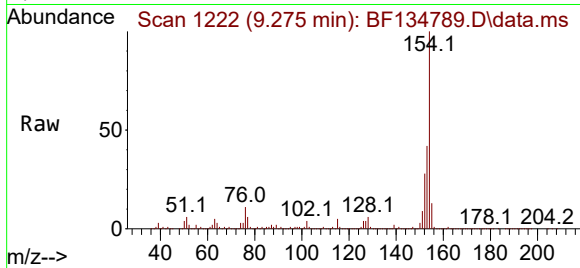




#46
1,1'-Biphenyl
Concen: 118.964 ng
RT: 9.275 min Scan# 1218
Delta R.T. 0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

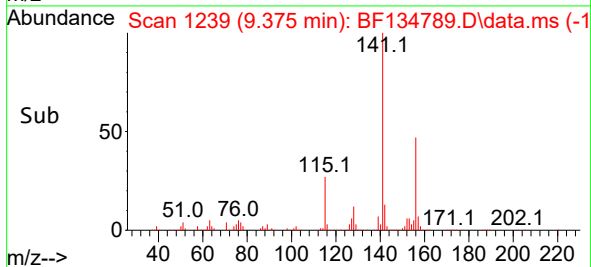
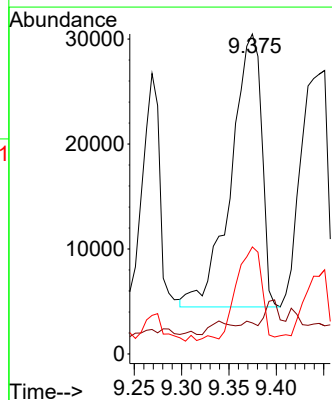
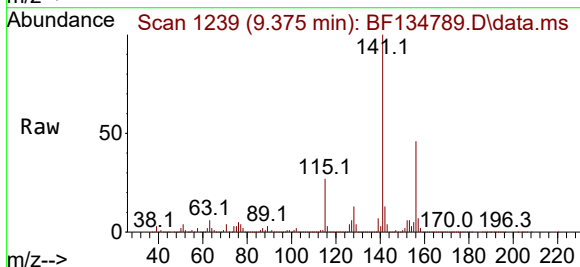
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

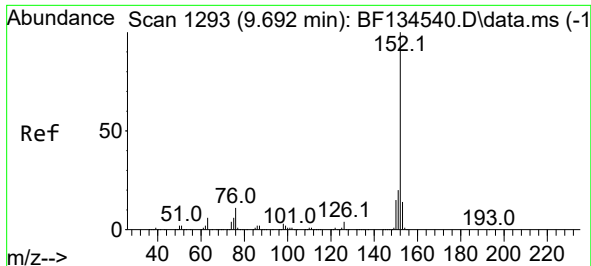
Tgt Ion:154 Resp: 2553446
Ion Ratio Lower Upper
154 100
153 41.8 20.8 60.8
76 11.4 0.0 30.2



#48
2-Nitroaniline
Concen: 14.053 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion: 65 Resp: 58441
Ion Ratio Lower Upper
65 100
92 9.7 50.7 76.1#
138 33.4 78.2 117.4#

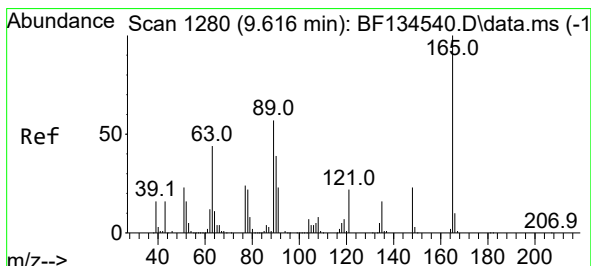
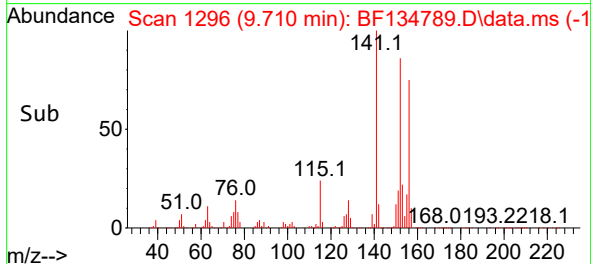
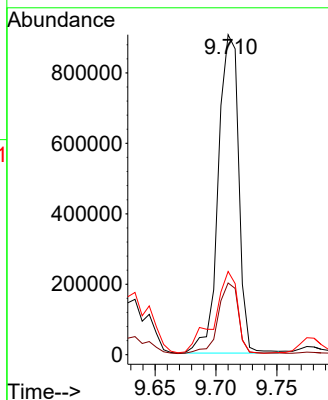
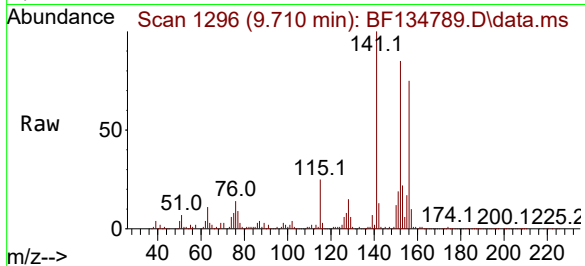




#49
Acenaphthylene
Concen: 41.803 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

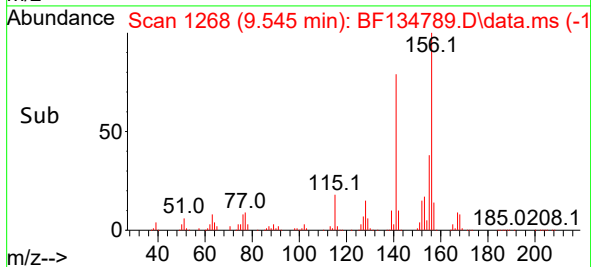
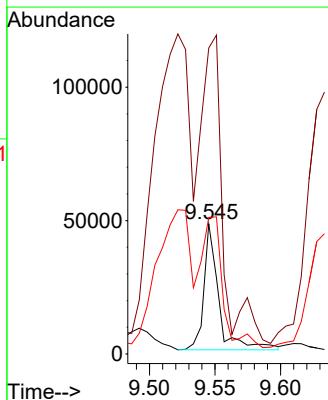
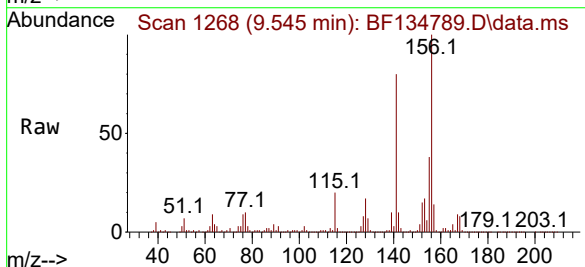
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

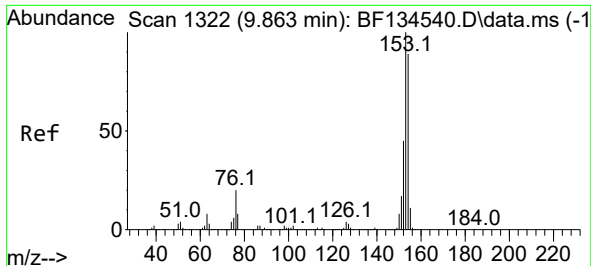
Tgt Ion:152 Resp: 1056822
Ion Ratio Lower Upper
152 100
151 22.4 16.4 24.6
153 26.0 10.9 16.3#



#51
2,6-Dinitrotoluene
Concen: 11.627 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.082 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:165 Resp: 37129
Ion Ratio Lower Upper
165 100
63 235.3 57.8 86.6#
89 104.9 51.8 77.8#

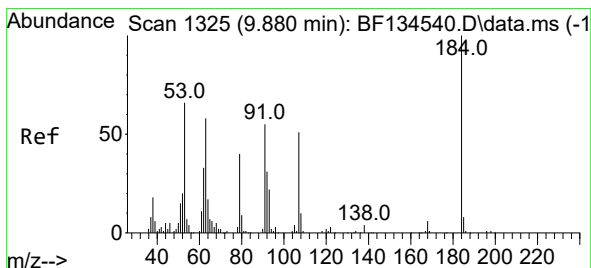
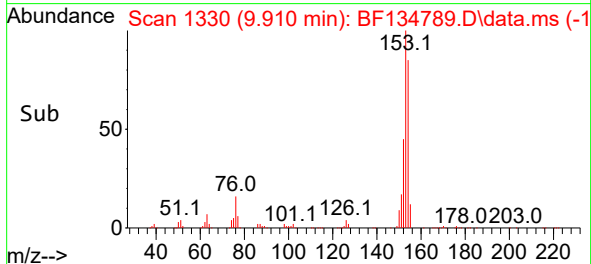
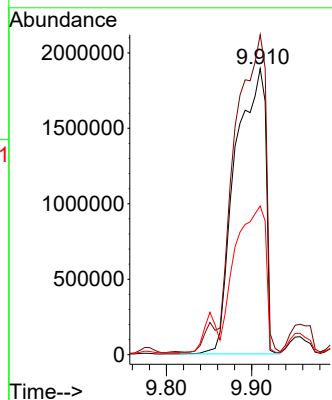
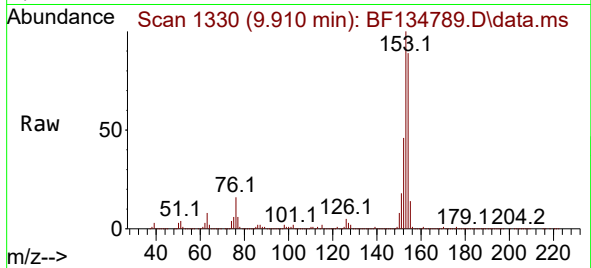




#52
Acenaphthene
Concen: 283.826 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.035 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

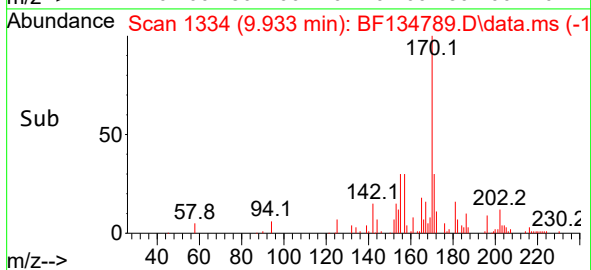
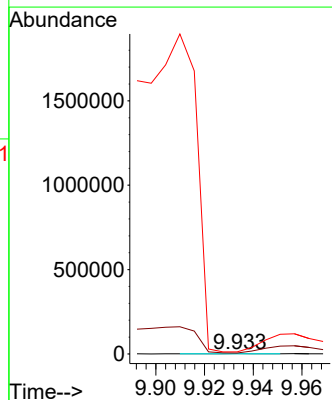
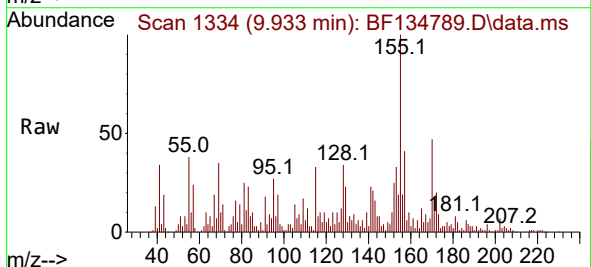
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

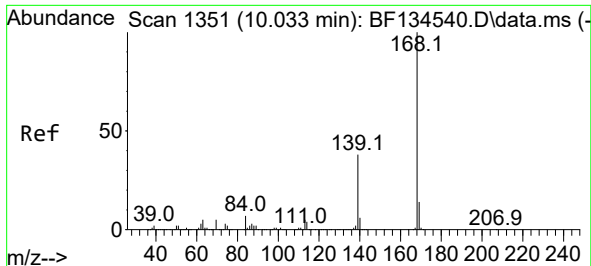
Tgt Ion:154 Resp: 4649964
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 52.0 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 7.980 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.035 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:184 Resp: 1380
Ion Ratio Lower Upper
184 100
63 390.7 57.1 85.7#
154 783.3 59.1 88.7#

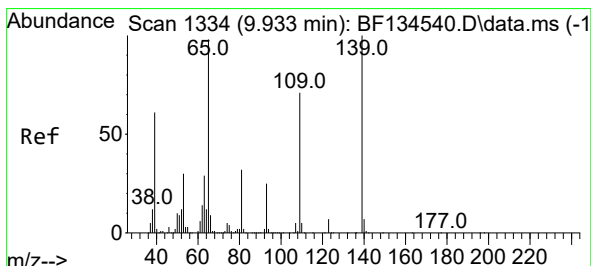
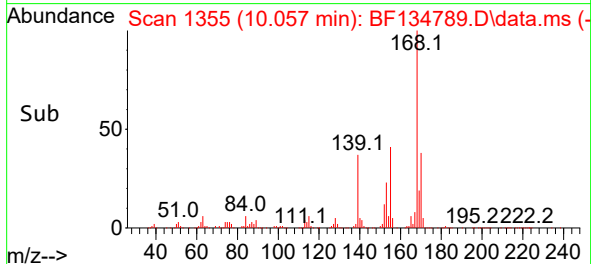
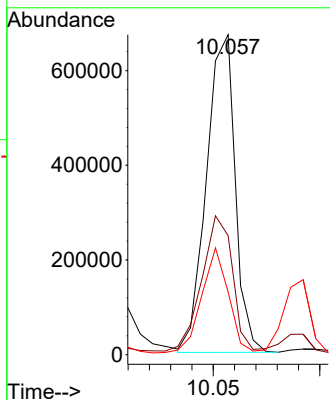
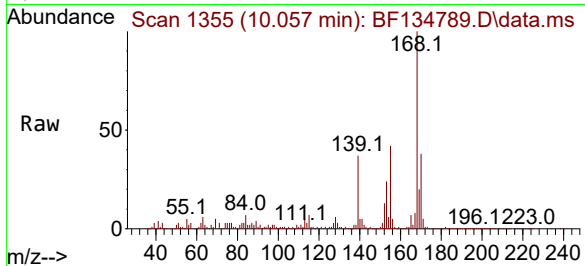




#55
Dibenzenofuran
Concen: 26.998 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

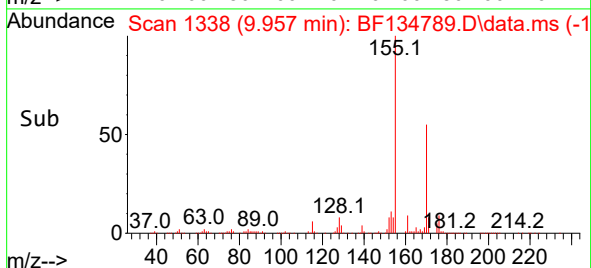
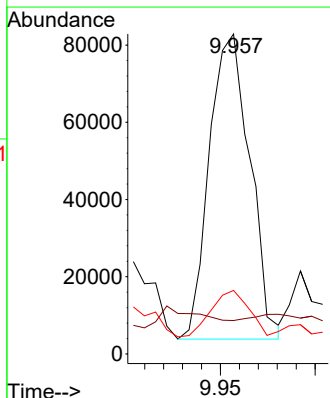
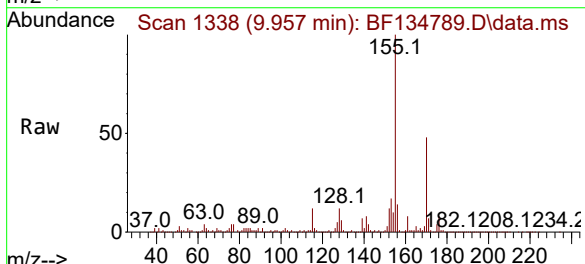
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

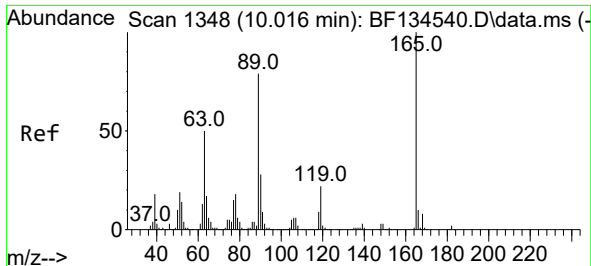
Tgt Ion:168 Resp: 629650
Ion Ratio Lower Upper
168 100
139 37.2 33.4 50.2
169 19.6 10.6 15.8#



#56
4-Nitrophenol
Concen: 34.279 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:139 Resp: 117558
Ion Ratio Lower Upper
139 100
109 10.4 76.9 116.9#
65 19.9 98.5 138.5#





#57

2,4-Dinitrotoluene

Concen: 14.582 ng

RT: 10.051 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

Tgt Ion:165 Resp: 58065

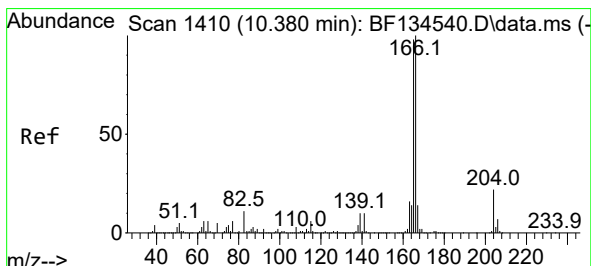
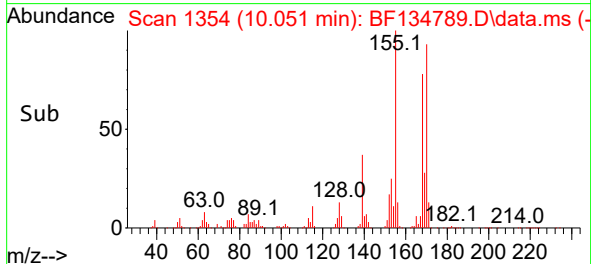
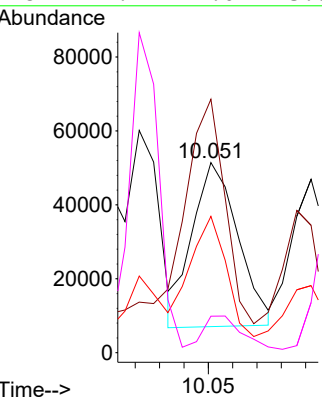
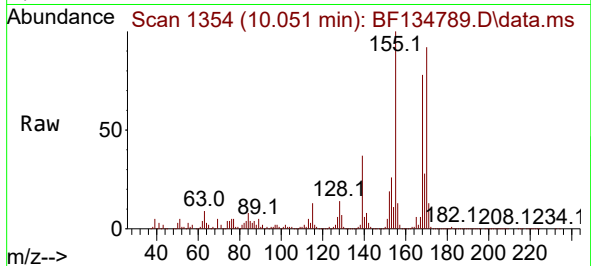
Ion Ratio Lower Upper

165 100

63 133.4 48.9 73.3#

89 71.7 61.7 92.5

182 19.2 2.0 3.0#



#58

Fluorene

Concen: 181.859 ng

RT: 10.410 min Scan# 1415

Delta R.T. 0.024 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

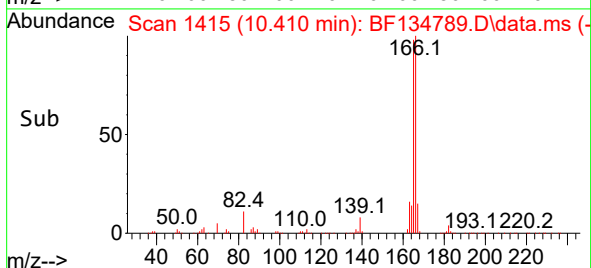
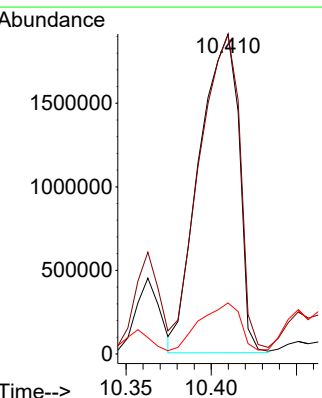
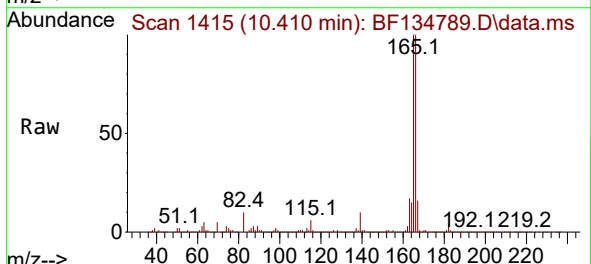
Tgt Ion:166 Resp: 3089344

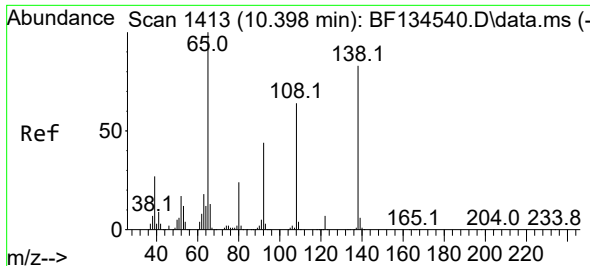
Ion Ratio Lower Upper

166 100

165 99.7 74.5 111.7

167 15.9 10.6 16.0

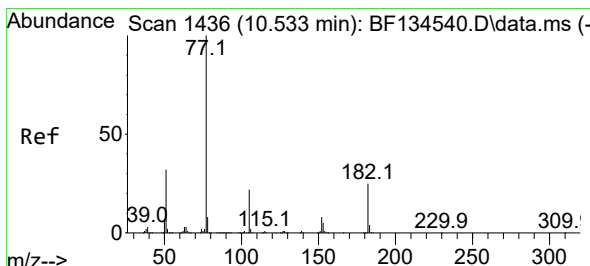
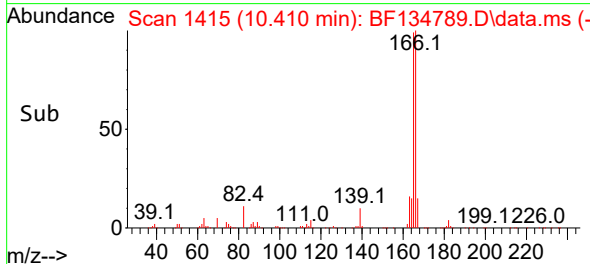
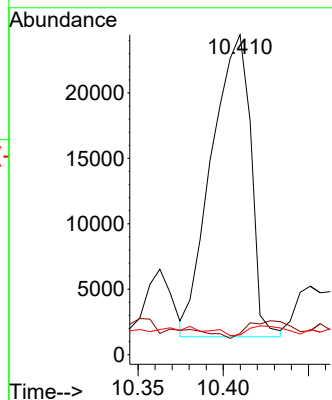
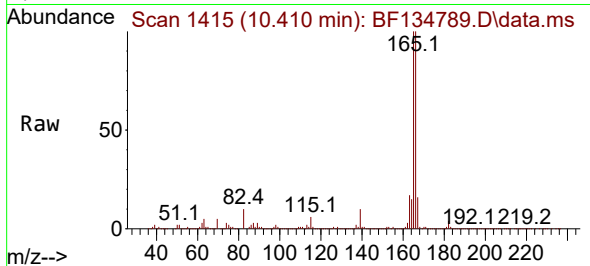




#62
4-Nitroaniline
Concen: 9.013 ng
RT: 10.410 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

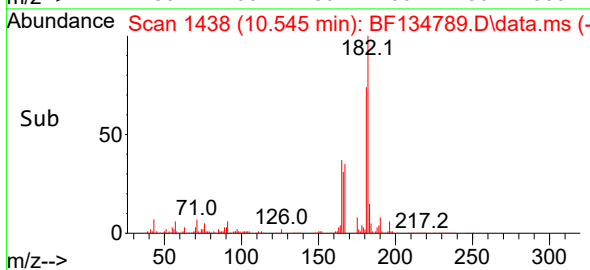
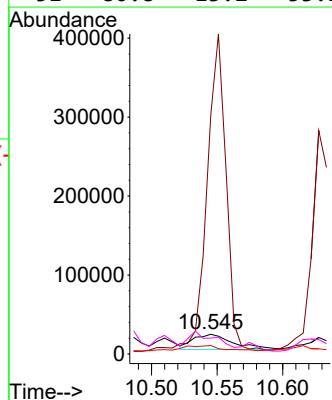
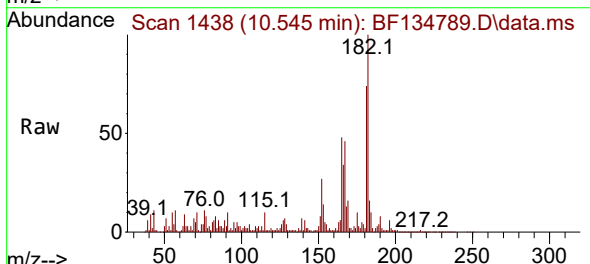
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

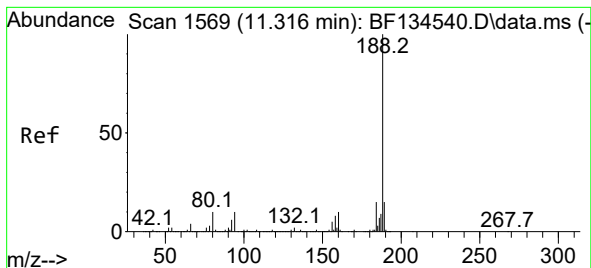
Tgt Ion:138 Resp: 37042
Ion Ratio Lower Upper
138 100
92 6.6 27.0 67.0#
108 6.1 70.4 110.4#



#63
Azobenzene
Concen: 2.124 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion: 77 Resp: 40700
Ion Ratio Lower Upper
77 100
182 1215.7 7.5 47.5#
105 42.9 1.9 41.9#
51 80.8 13.2 53.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

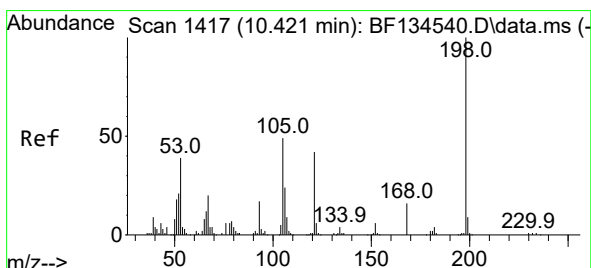
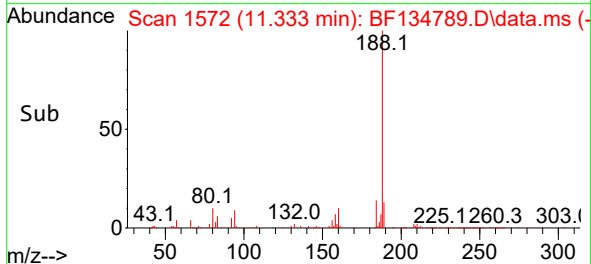
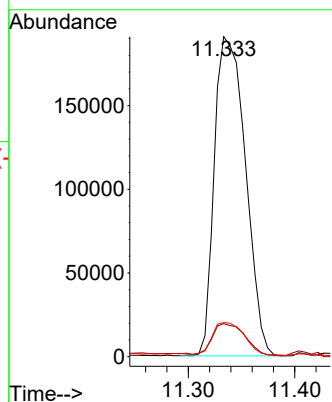
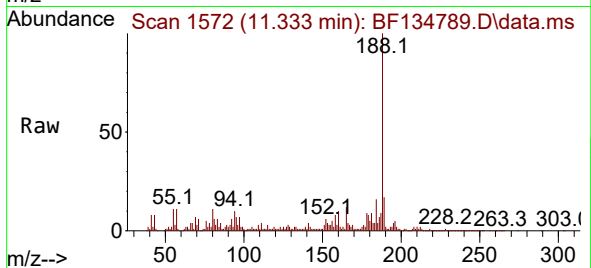
Tgt Ion:188 Resp: 386679

Ion Ratio Lower Upper

188 100

94 10.3 5.1 7.7#

80 10.7 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 9.139 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.024 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

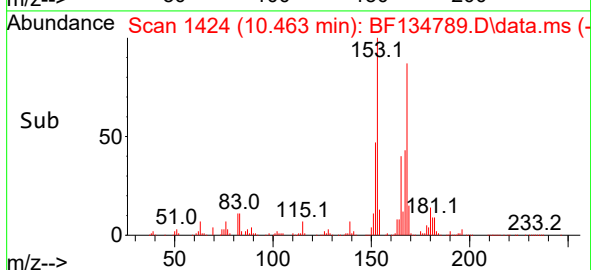
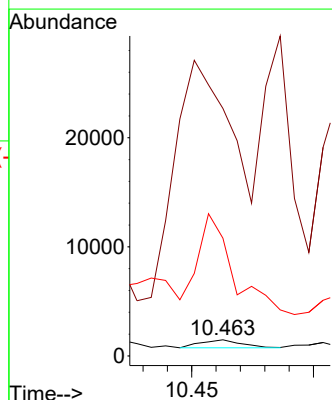
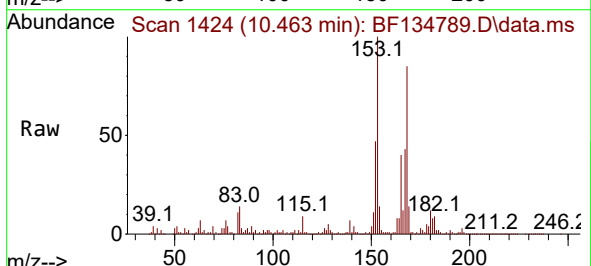
Tgt Ion:198 Resp: 840

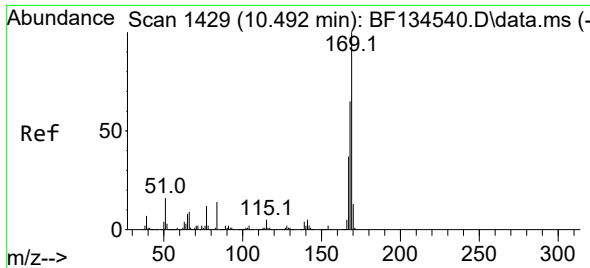
Ion Ratio Lower Upper

198 100

51 1530.9 38.6 78.6#

105 728.3 27.9 67.9#

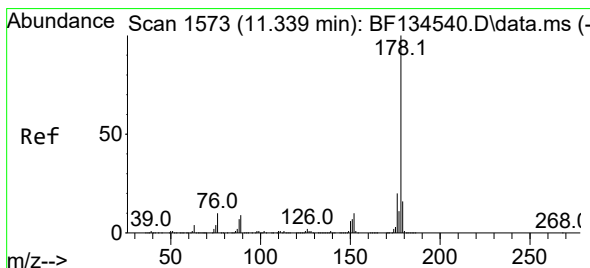
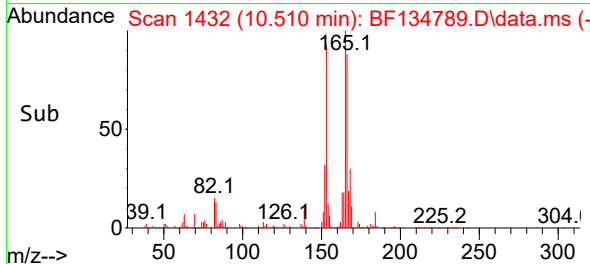
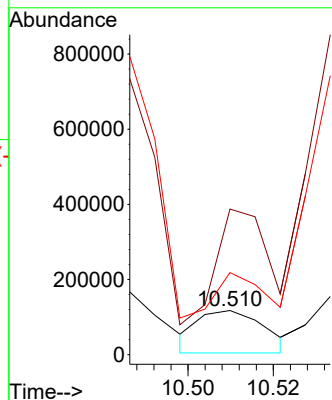
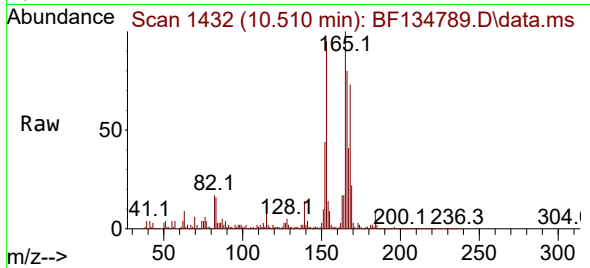




#66
n-Nitrosodiphenylamine
Concen: 9.860 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

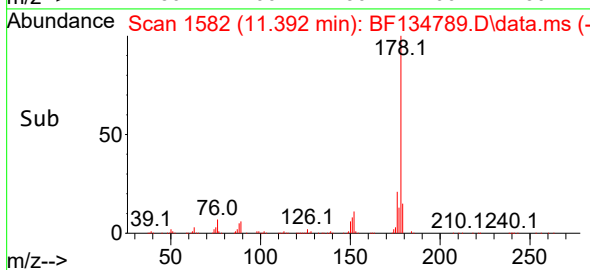
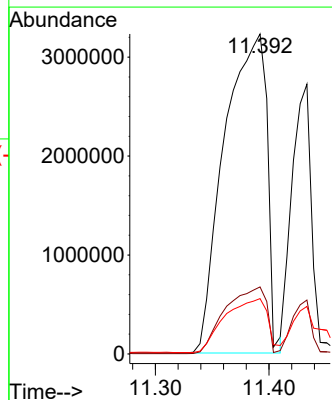
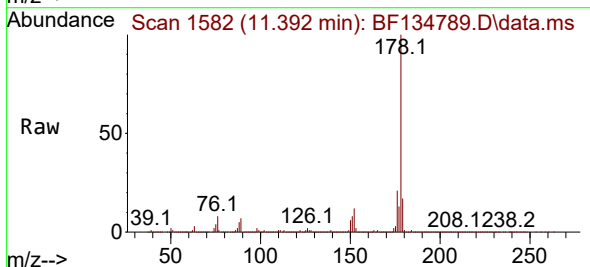
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

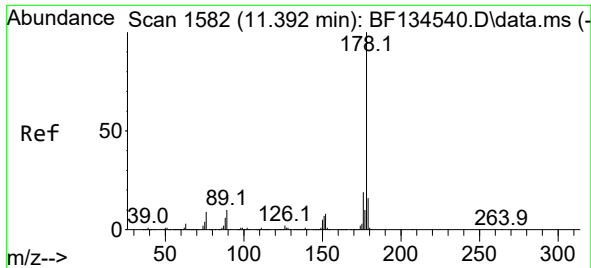
Tgt Ion:169 Resp: 121354
Ion Ratio Lower Upper
169 100
168 329.7 52.6 78.8#
167 185.8 29.8 44.8#



#71
Phenanthrene
Concen: 407.899 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.041 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Tgt Ion:178 Resp: 8377762
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.6
179 17.3 12.7 19.1

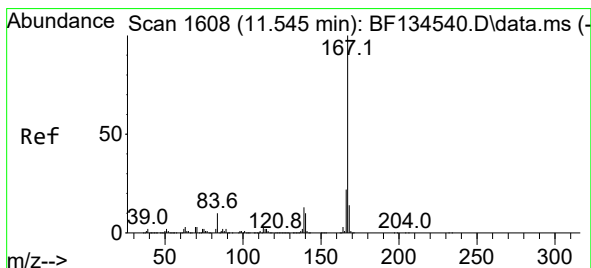
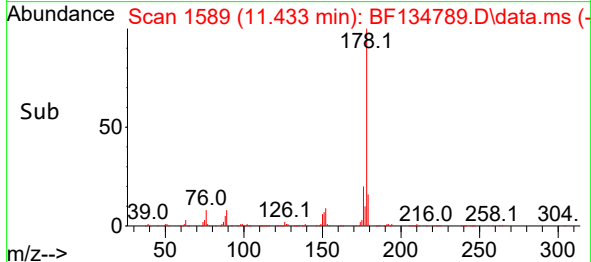
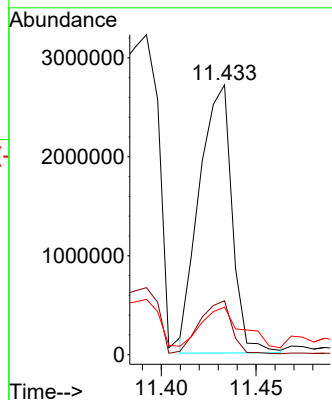
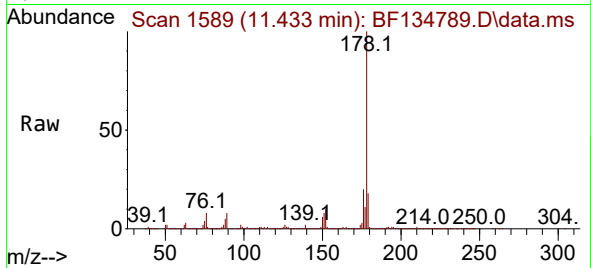




#72
 Anthracene
 Concen: 155.340 ng
 RT: 11.433 min Scan# 11
 Delta R.T. 0.029 min
 Lab File: BF134789.D
 Acq: 15 Aug 2023 17:45

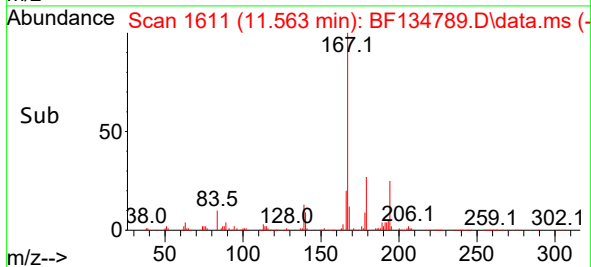
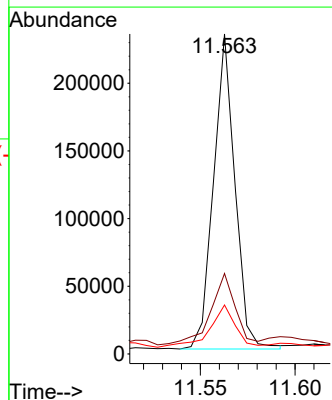
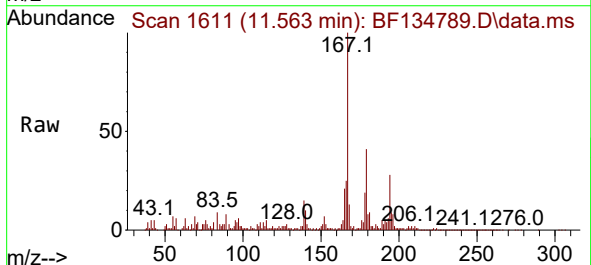
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z22-23

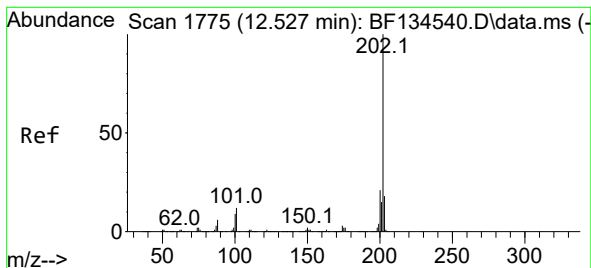
Tgt Ion:178 Resp: 3258928
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.6 21.8
 179 17.6 12.3 18.5



#73
 Carbazole
 Concen: 9.779 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.006 min
 Lab File: BF134789.D
 Acq: 15 Aug 2023 17:45

Tgt Ion:167 Resp: 183175
 Ion Ratio Lower Upper
 167 100
 166 25.2 17.5 26.3
 139 15.3 11.0 16.4





#75

Fluoranthene

Concen: 205.947 ng

RT: 12.569 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

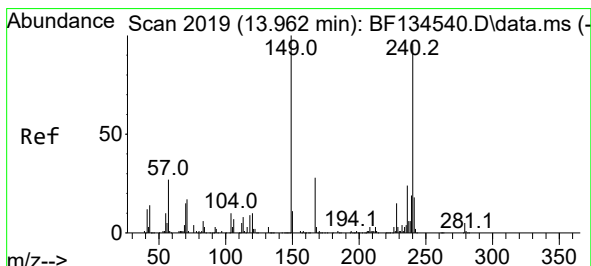
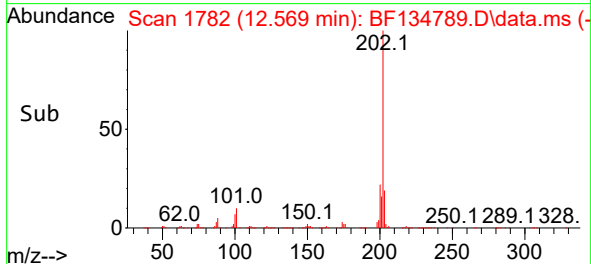
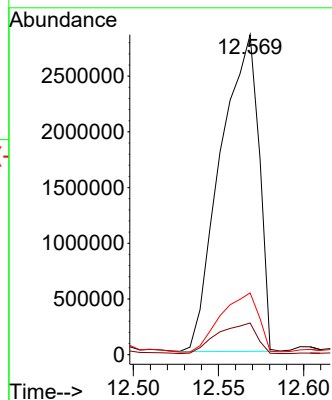
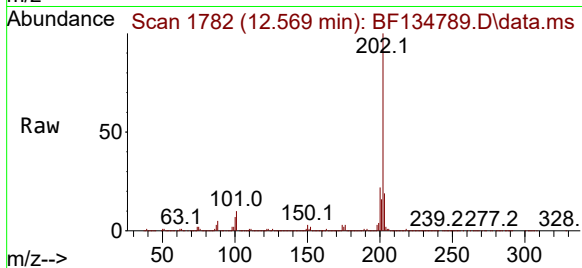
Tgt Ion:202 Resp: 4468108

Ion Ratio Lower Upper

202 100

101 9.9 0.0 28.5

203 19.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.018 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

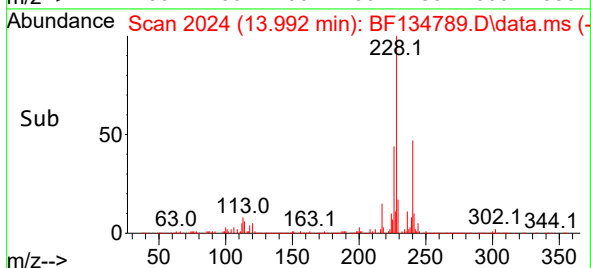
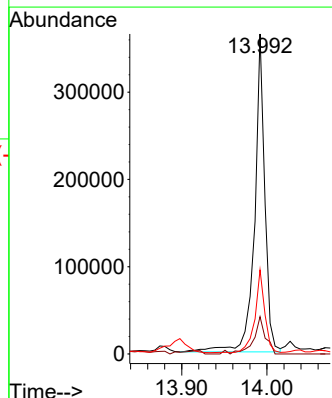
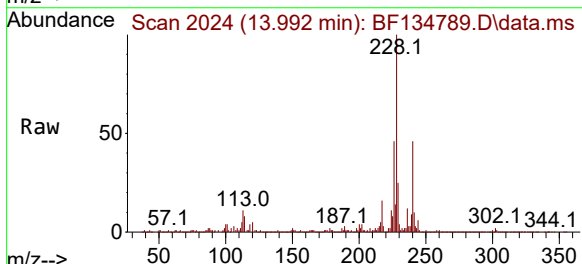
Tgt Ion:240 Resp: 303759

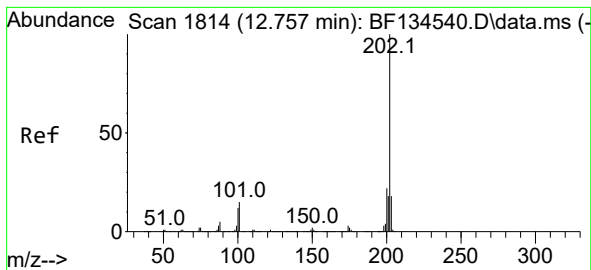
Ion Ratio Lower Upper

240 100

120 11.6 6.6 10.0#

236 26.3 20.2 30.2





#78

Pyrene

Concen: 17.391 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.041 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

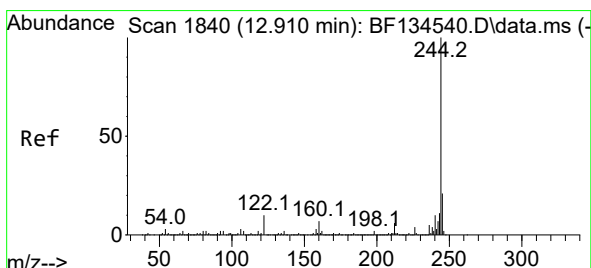
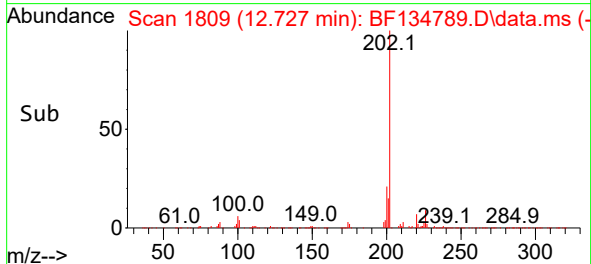
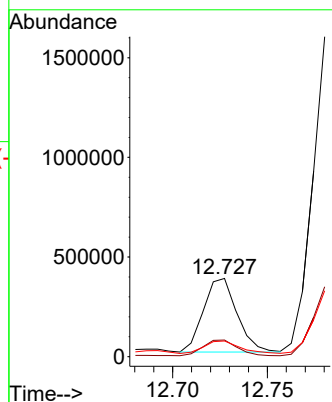
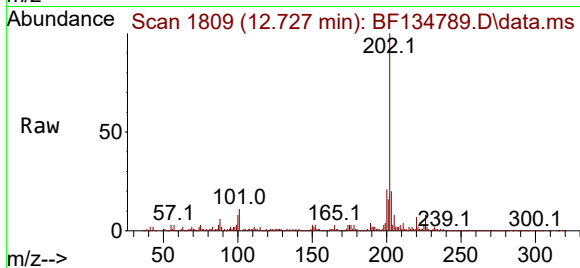
Tgt Ion:202 Resp: 457124

Ion Ratio Lower Upper

202 100

200 21.3 15.8 23.8

203 20.1 13.5 20.3



#79

Terphenyl-d14

Concen: 3.604 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

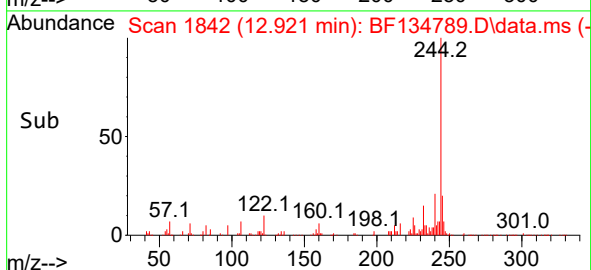
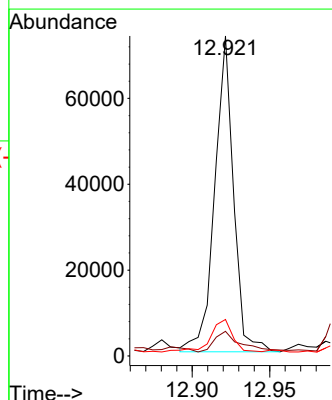
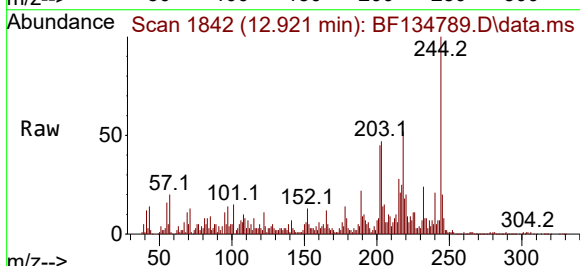
Tgt Ion:244 Resp: 62108

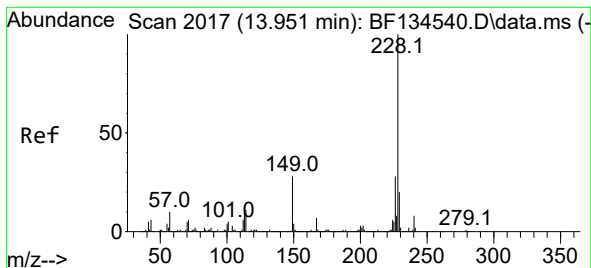
Ion Ratio Lower Upper

244 100

212 7.7 5.6 8.4

122 11.4 8.0 12.0





#81

Benzo(a)anthracene

Concen: 115.972 ng

RT: 14.021 min Scan# 20

Delta R.T. 0.059 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

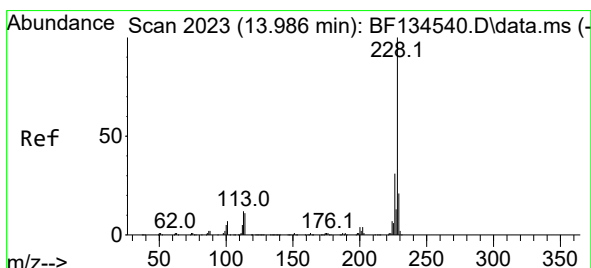
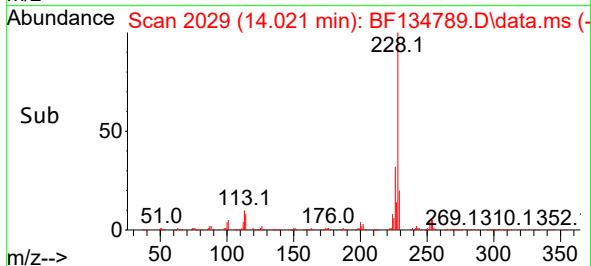
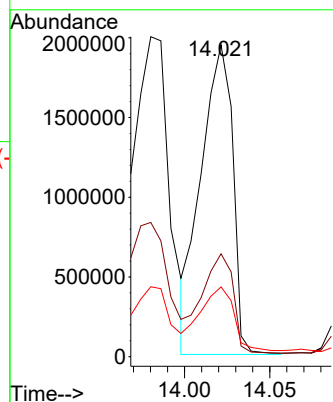
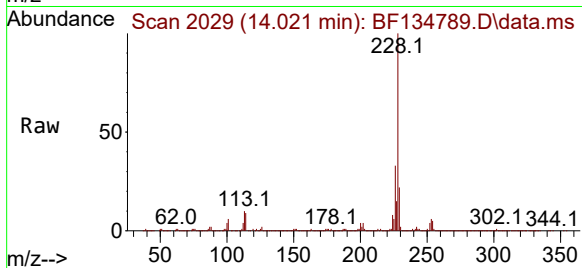
Tgt Ion:228 Resp: 2518933

Ion Ratio Lower Upper

228 100

226 33.0 22.3 33.5

229 22.4 15.8 23.6



#83

Chrysene

Concen: 119.035 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.024 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

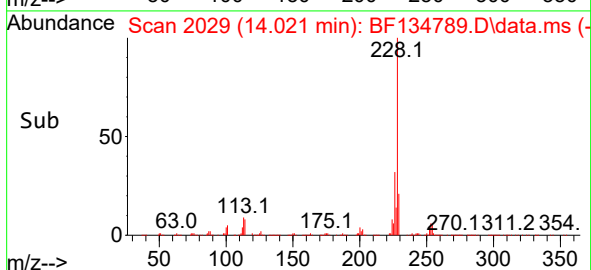
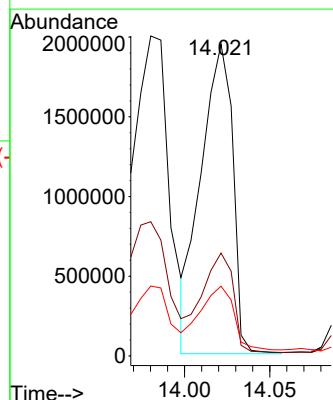
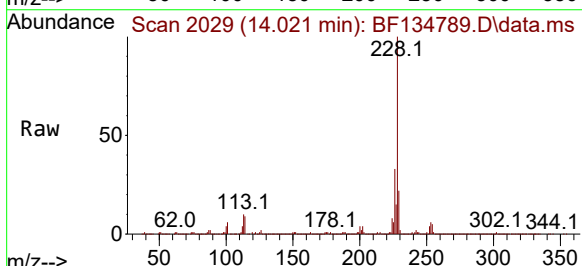
Tgt Ion:228 Resp: 2518933

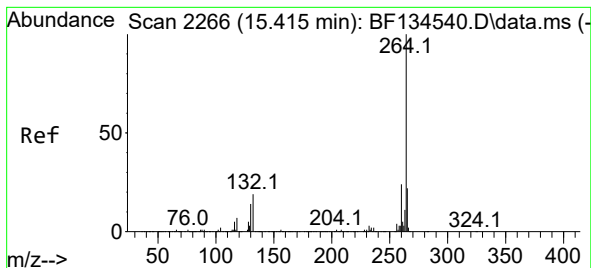
Ion Ratio Lower Upper

228 100

226 33.0 24.5 36.7

229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

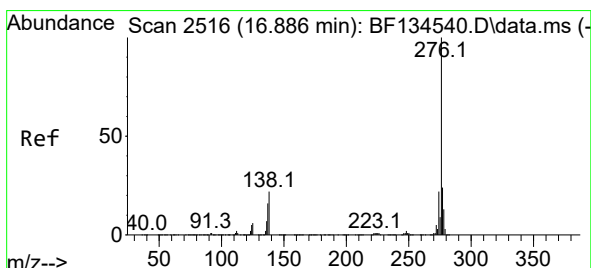
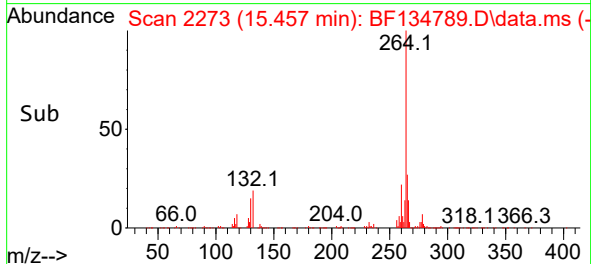
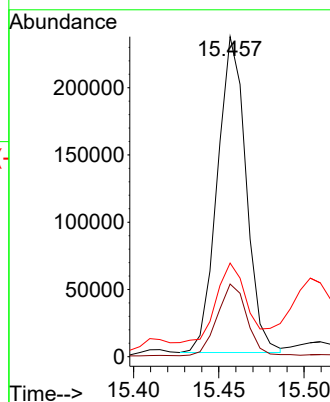
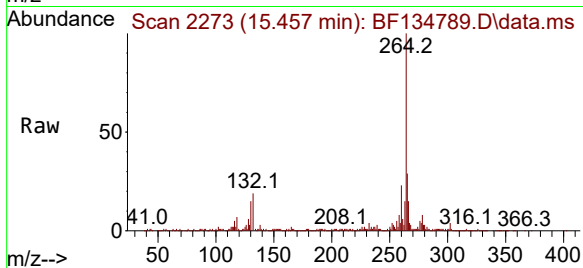
Tgt Ion:264 Resp: 275740

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 29.2 15.8 23.8#



#87

Indeno(1,2,3-cd)pyrene

Concen: 46.746 ng

RT: 16.956 min Scan# 2528

Delta R.T. 0.029 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

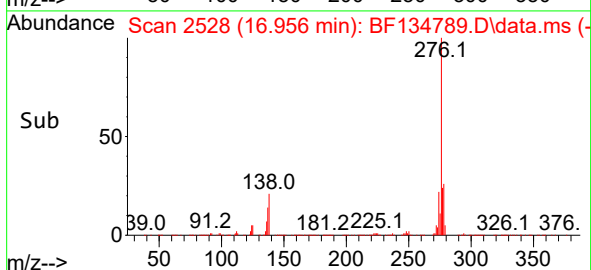
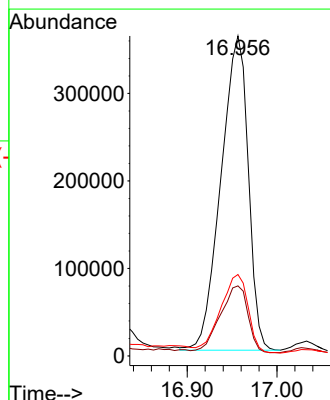
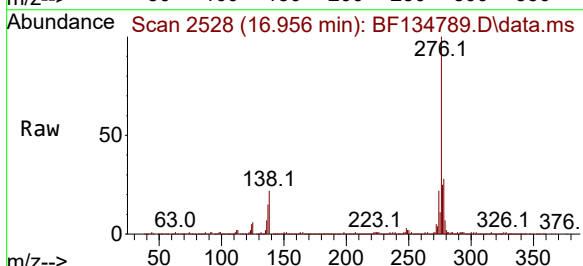
Tgt Ion:276 Resp: 758079

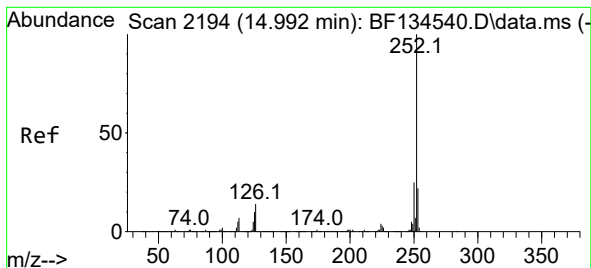
Ion Ratio Lower Upper

276 100

138 21.5 14.2 21.4#

277 25.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 155.908 ng

RT: 15.033 min Scan# 2201

Delta R.T. 0.024 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z22-23

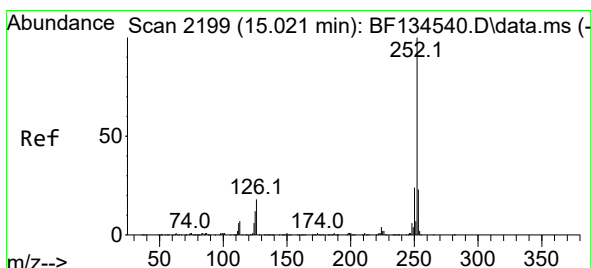
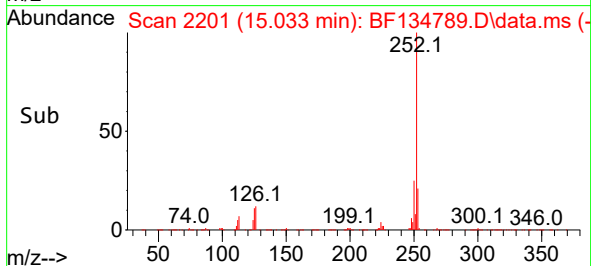
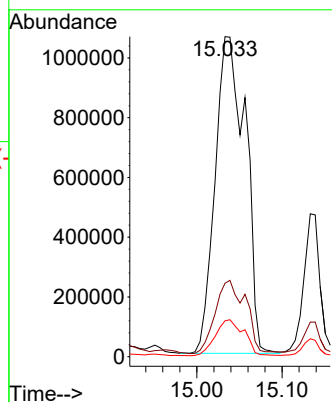
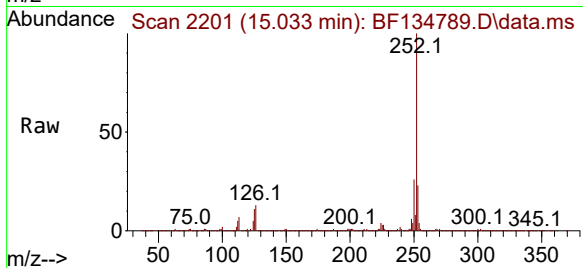
Tgt Ion:252 Resp: 2621914

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.2 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 156.508 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF134789.D

Acq: 15 Aug 2023 17:45

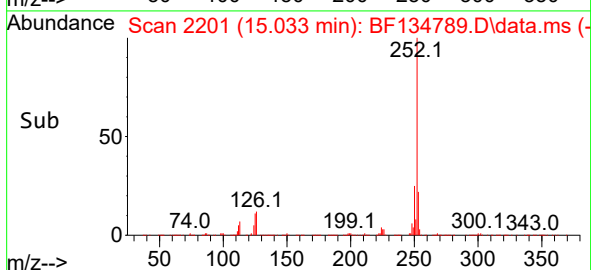
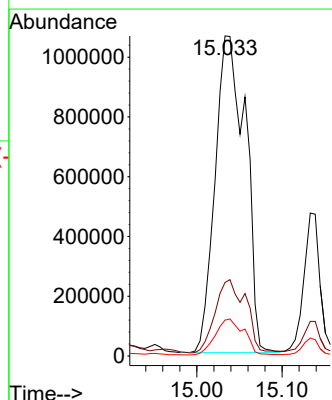
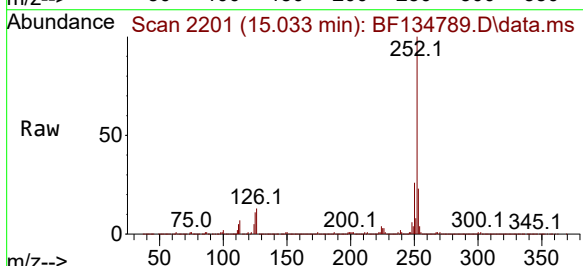
Tgt Ion:252 Resp: 2621914

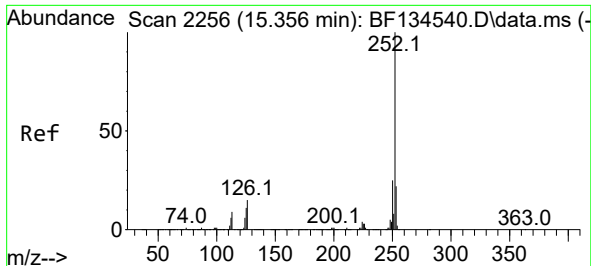
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 11.2 6.3 9.5#

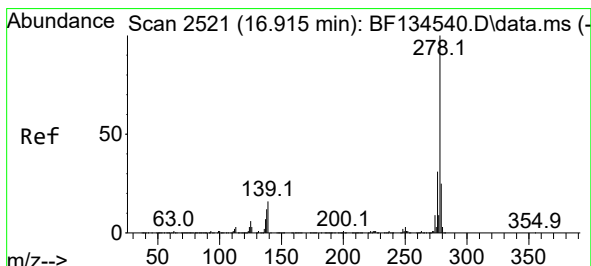
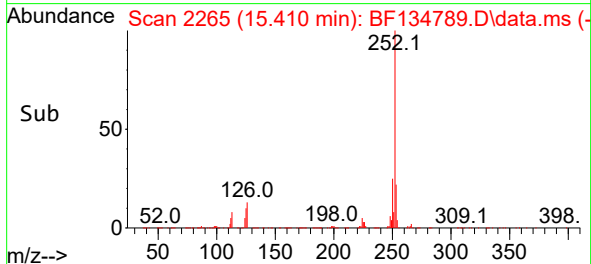
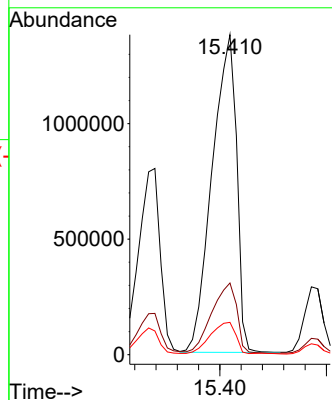
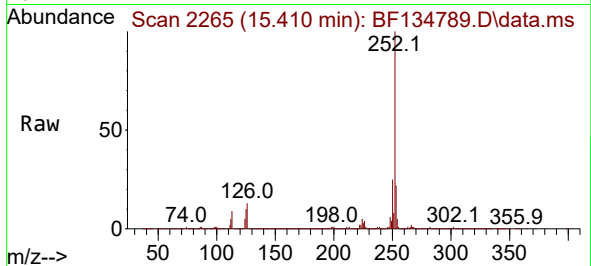




#90
Benzo(a)pyrene
Concen: 139.507 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

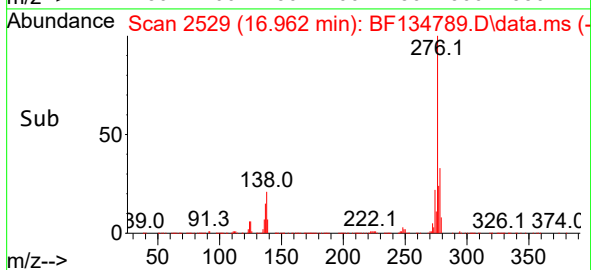
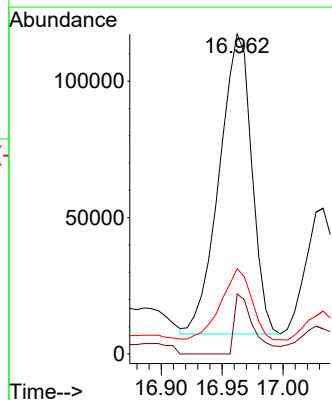
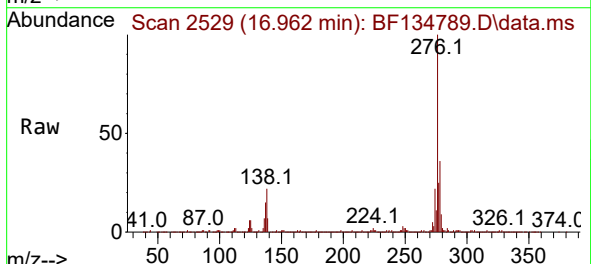
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23

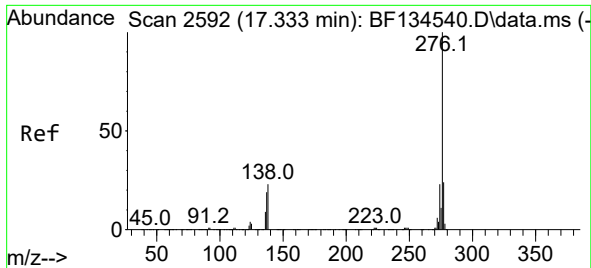
Tgt Ion:252 Resp: 2187464
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 10.1 6.2 9.4#



#91
Dibenzo(a,h)anthracene
Concen: 15.573 ng
RT: 16.962 min Scan# 2529
Delta R.T. 0.012 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

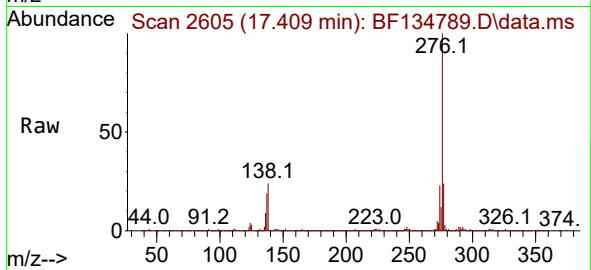
Tgt Ion:278 Resp: 204096
Ion Ratio Lower Upper
278 100
139 18.8 10.0 15.0#
279 26.7 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 61.257 ng
RT: 17.409 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF134789.D
Acq: 15 Aug 2023 17:45

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z22-23



Tgt Ion:276 Resp: 818929
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 23.5 12.2 18.2#

