

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134844.D
 Acq On : 18 Aug 2023 17:10
 Operator : CG\JU
 Sample : 04047-02DL 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z60-61DL

Quant Time: Aug 19 01:43:08 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)

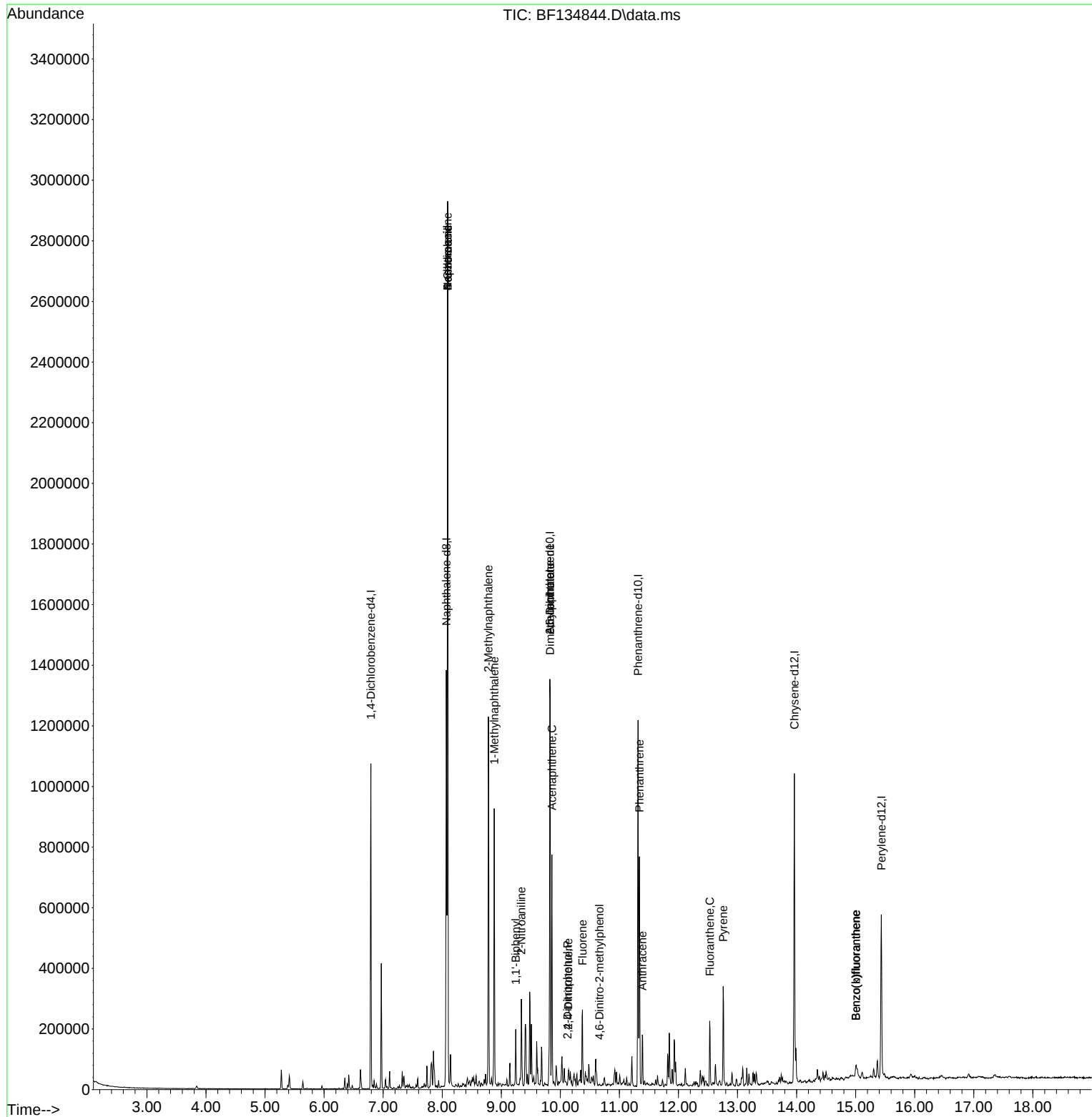
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	144380	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	573625	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	277853	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	401102	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	307331	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	242582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	11460	1.207	ng	-0.02
7) Phenol-d6	6.416	99	15271	1.258	ng	-0.02
23) Nitrobenzene-d5	7.345	82	9067	0.988	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	2543	0.898	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	18913	1.132	ng	-0.02
79) Terphenyl-d14	12.904	244	14120	0.810	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	1578	Below Cal	#	1
31) Naphthalene	8.092	128	1178088	40.864	ng	99
32) Benzoic acid	8.092	122	2989	8.296	ng	# 1
33) 4-Chloroaniline	8.092	127	156449	12.179	ng	# 32
37) 2-Methylnaphthalene	8.781	142	313722	16.417	ng	98
38) 1-Methylnaphthalene	8.881	142	212943	11.984	ng	96
46) 1,1'-Biphenyl	9.245	154	50584	2.341	ng	96
48) 2-Nitroaniline	9.339	65	1351	3.416	ng	# 26
50) Dimethylphthalate	9.828	163	57992	3.062	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	40998	12.512	ng	# 17
52) Acenaphthene	9.857	154	140101	8.495	ng	99
54) 2,4-Dinitrophenol	10.122	184	66	6.837	ng	# 1
57) 2,4-Dinitrotoluene	10.134	165	2175	3.287	ng	# 52
58) Fluorene	10.375	166	69935	4.090	ng	96
65) 4,6-Dinitro-2-methylph...	10.663	198	63	8.731	ng	# 1
71) Phenanthrene	11.339	178	261504	12.274	ng	98
72) Anthracene	11.386	178	66776	3.068	ng	99
75) Fluoranthene	12.527	202	82554	3.668	ng	95
78) Pyrene	12.757	202	130822	4.919	ng	97
88) Benzo(b)fluoranthene	15.004	252	32794	2.217	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	32794	2.225	ng	# 96

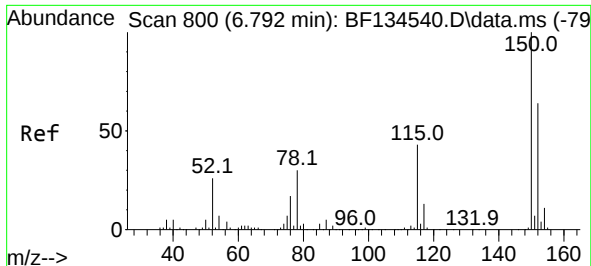
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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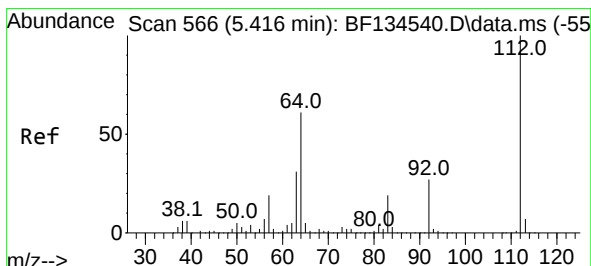
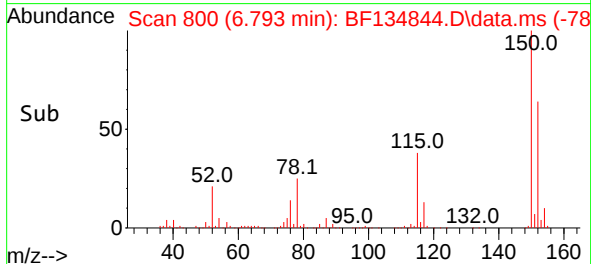
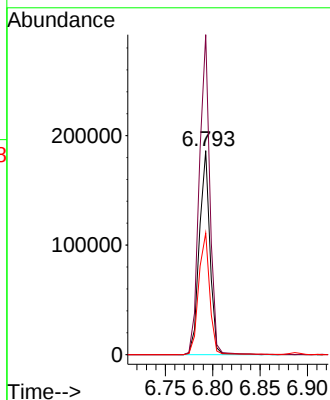
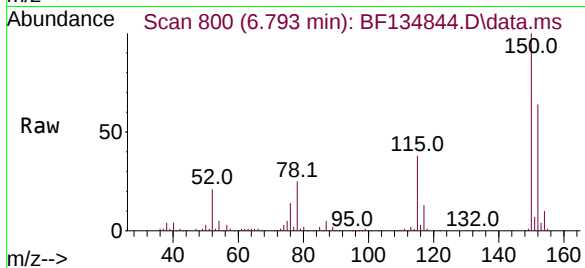




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

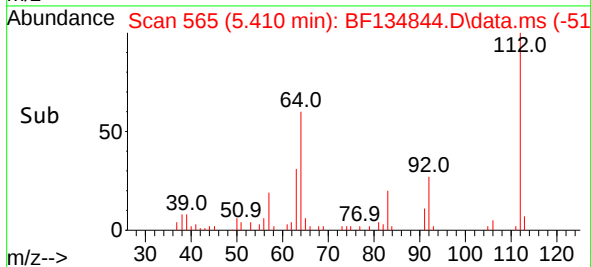
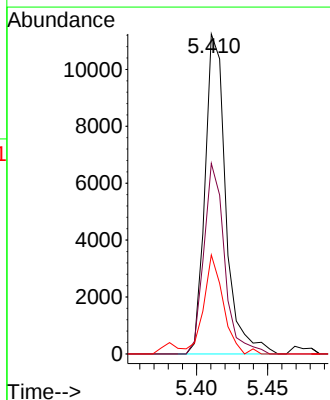
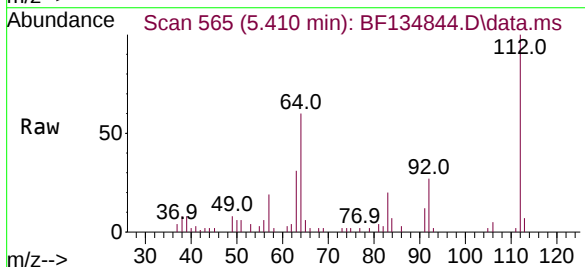
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

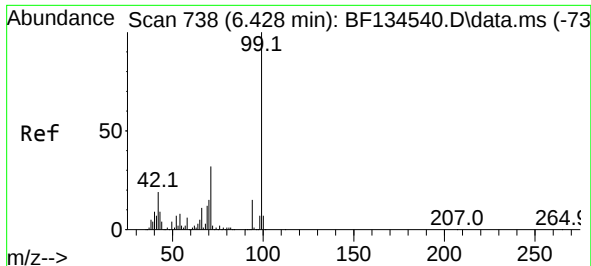
Tgt Ion:152 Resp: 144380
Ion Ratio Lower Upper
152 100
150 157.0 128.3 192.5
115 59.6 52.4 78.6



#5
2-Fluorophenol
Concen: 1.207 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.017 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:112 Resp: 11460
Ion Ratio Lower Upper
112 100
64 59.5 44.9 67.3
63 30.9 25.4 38.0

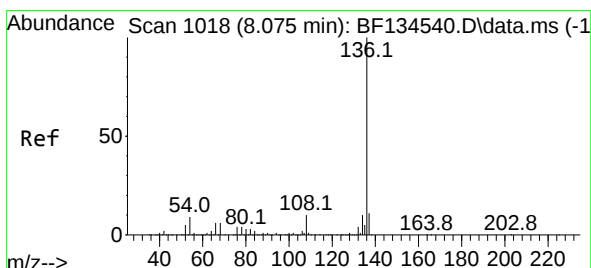
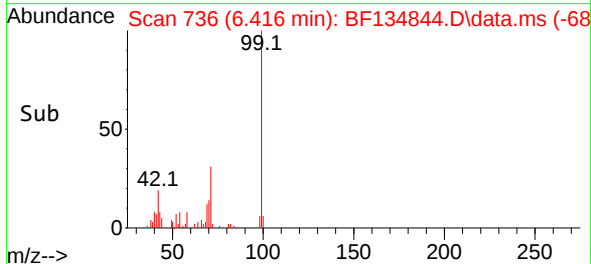
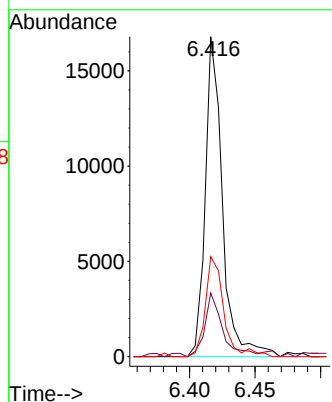
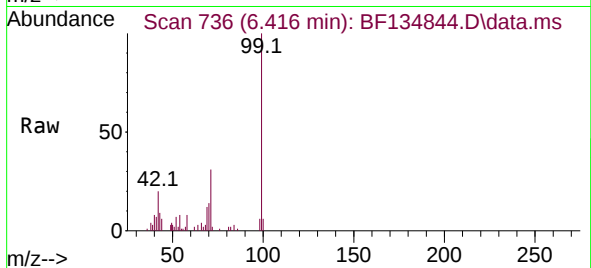




#7
Phenol-d6
Concen: 1.258 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.023 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

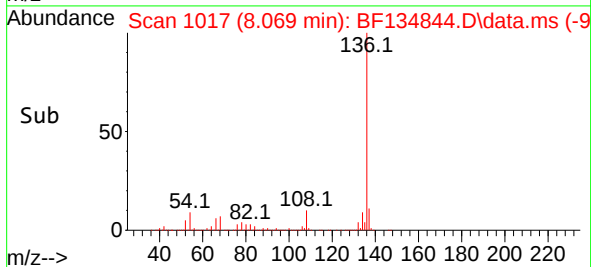
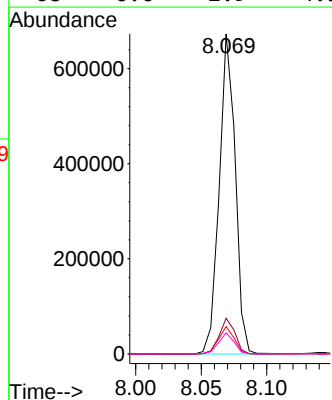
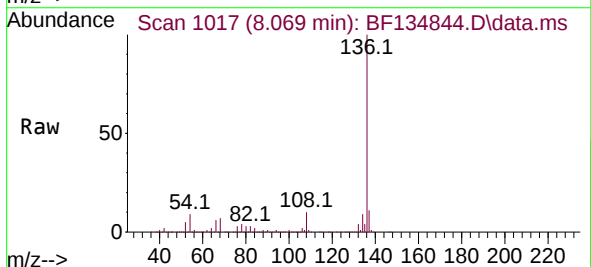
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

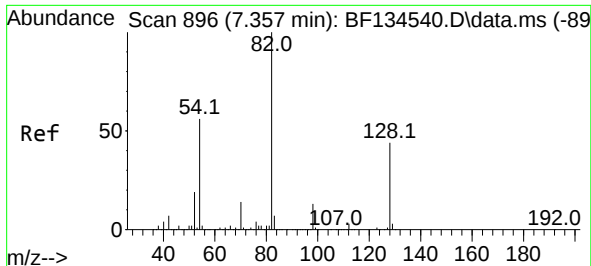
Tgt Ion: 99 Resp: 15271
Ion Ratio Lower Upper
99 100
42 19.9 18.7 28.1
71 31.2 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:136 Resp: 573625
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.988 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF134844.D

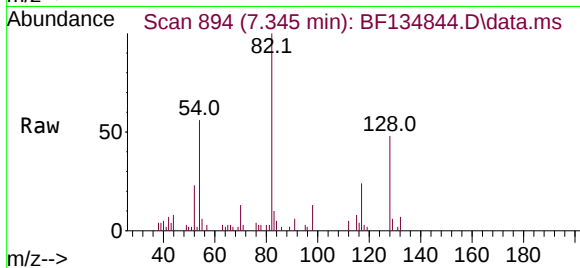
Acq: 18 Aug 2023 17:10

Instrument :

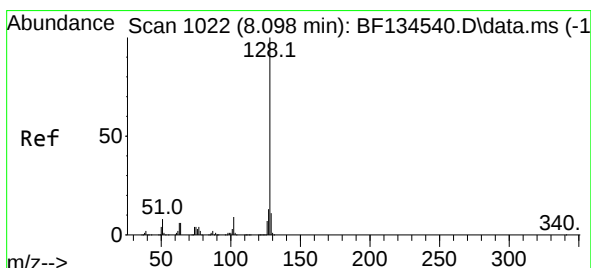
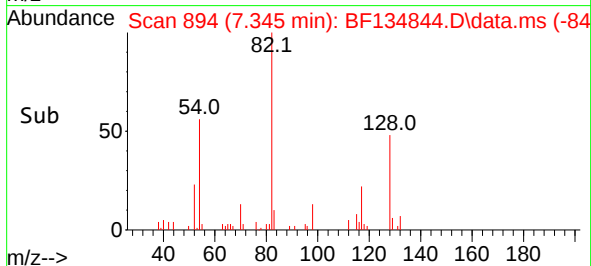
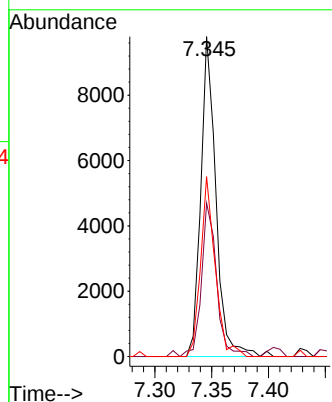
BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL



Tgt Ion:	82	Resp:	9067
Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.3	51.5
54	56.2	43.8	65.6



#31

Naphthalene

Concen: 40.864 ng

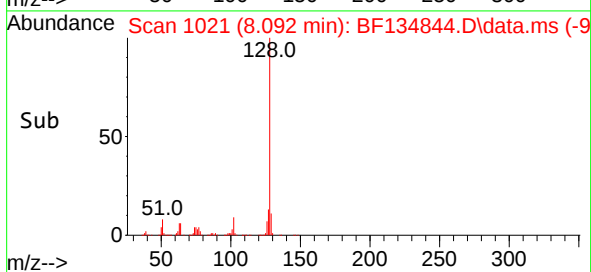
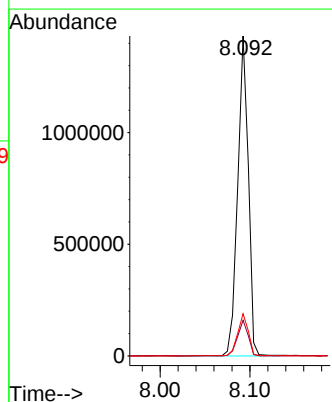
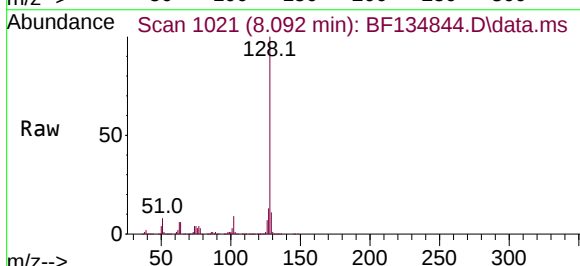
RT: 8.092 min Scan# 1021

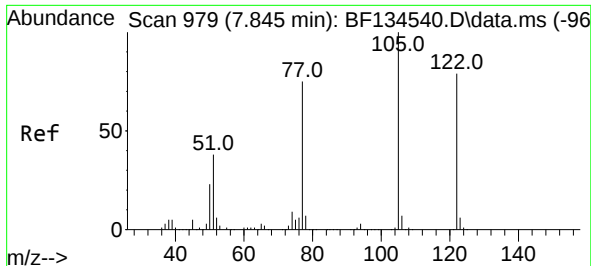
Delta R.T. -0.012 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Tgt Ion:	128	Resp:	1178088
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	13.2	10.7	16.1

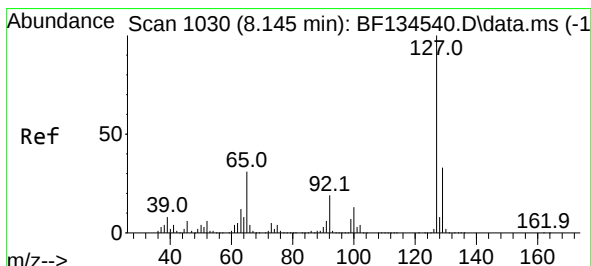
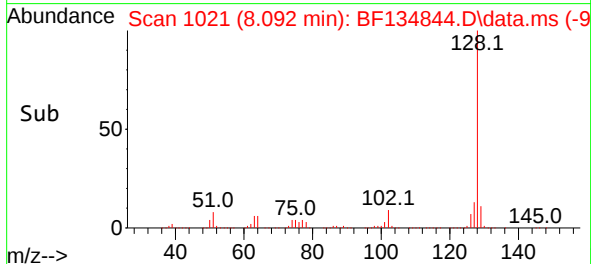
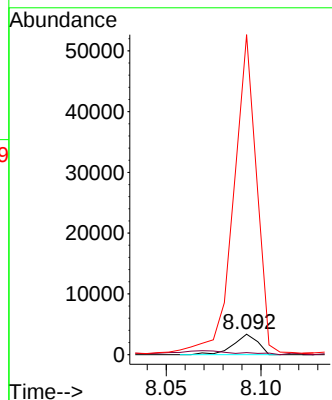
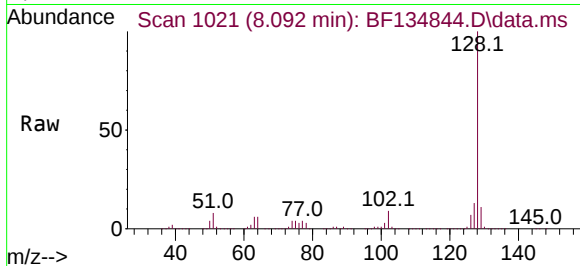




#32
Benzoic acid
Concen: 8.296 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.230 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

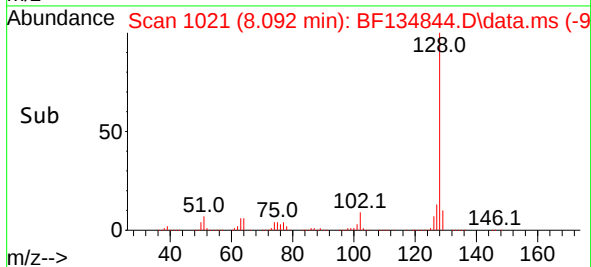
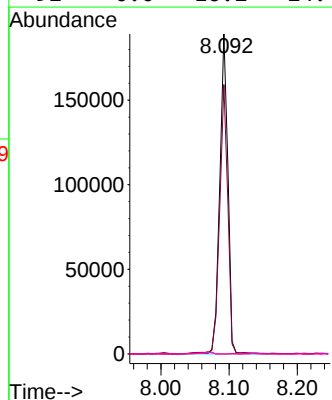
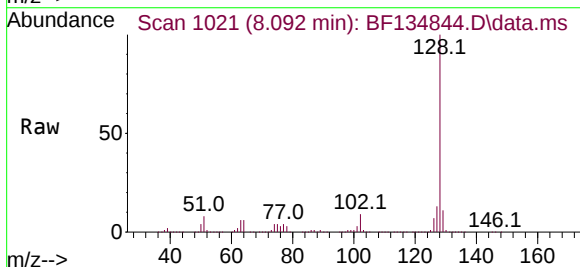
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

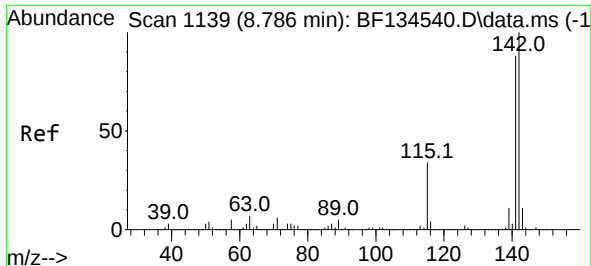
Tgt Ion:122 Resp: 2989
Ion Ratio Lower Upper
122 100
105 9.6 87.5 127.5#
77 1572.5 71.4 111.4#



#33
4-Chloroaniline
Concen: 12.179 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.059 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:127 Resp: 156449
Ion Ratio Lower Upper
127 100
129 84.2 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#

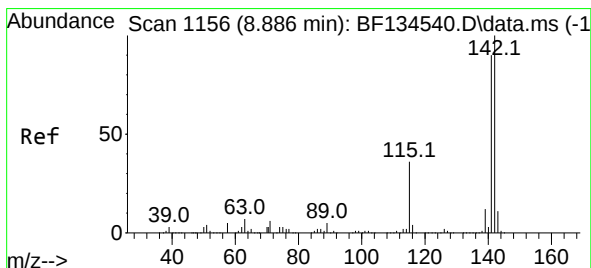
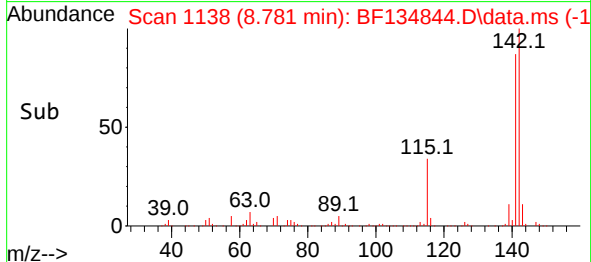
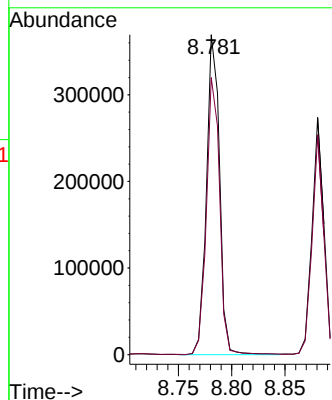
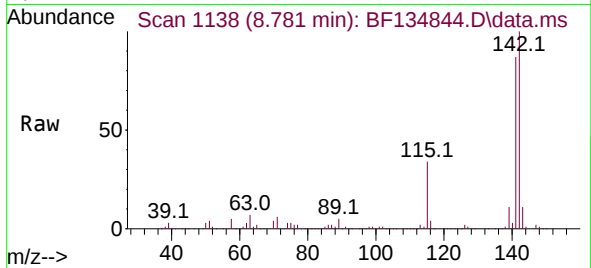




#37
2-Methylnaphthalene
Concen: 16.417 ng
RT: 8.781 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

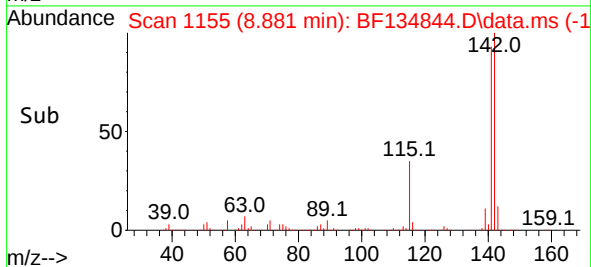
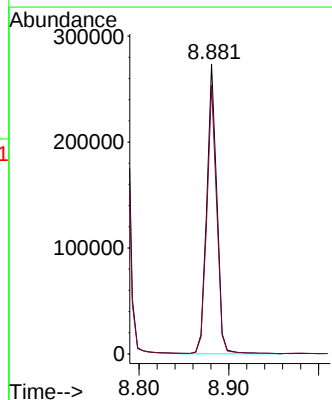
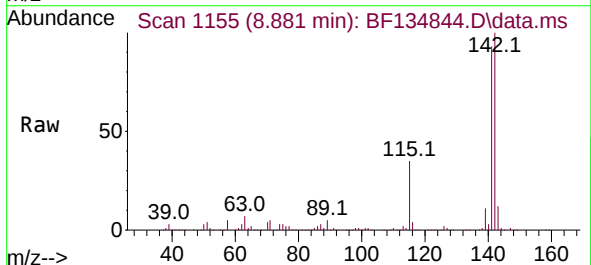
Instrument :
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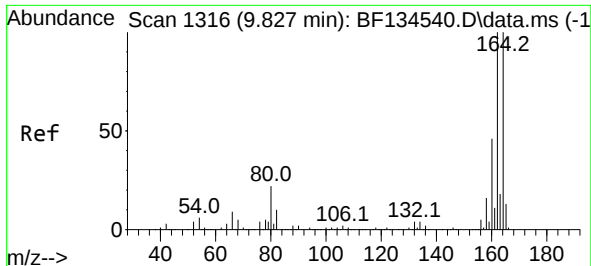
Tgt Ion:142 Resp: 313722
Ion Ratio Lower Upper
142 100
141 86.6 70.8 106.2



#38
1-Methylnaphthalene
Concen: 11.984 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:142 Resp: 212943
Ion Ratio Lower Upper
142 100
141 92.7 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL

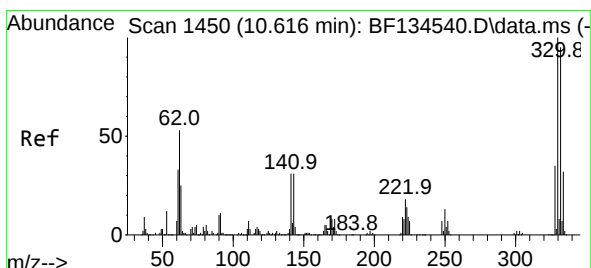
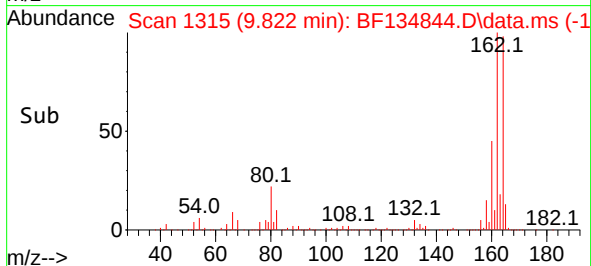
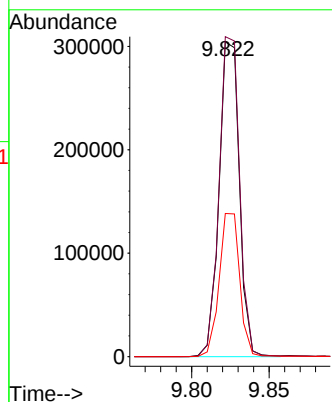
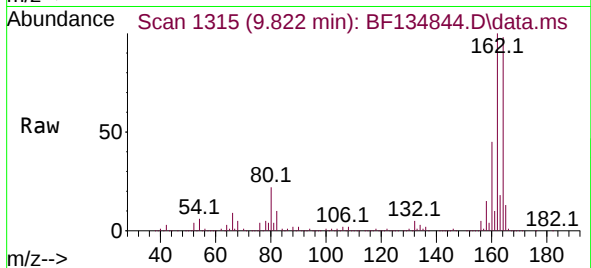
Tgt Ion:164 Resp: 277853

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

160 45.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 0.898 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

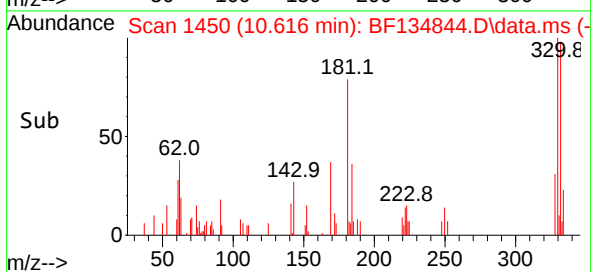
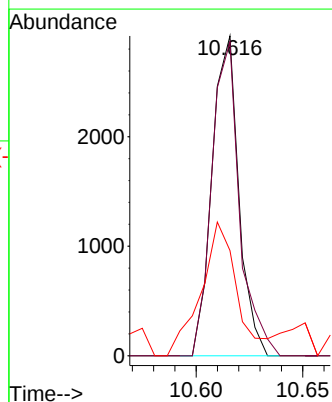
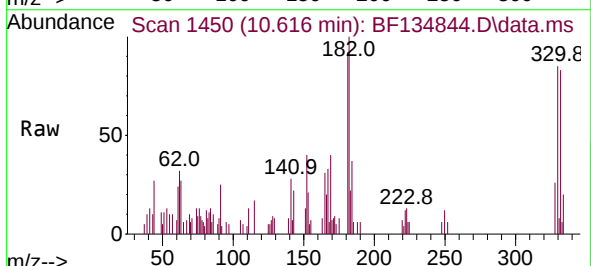
Tgt Ion:330 Resp: 2543

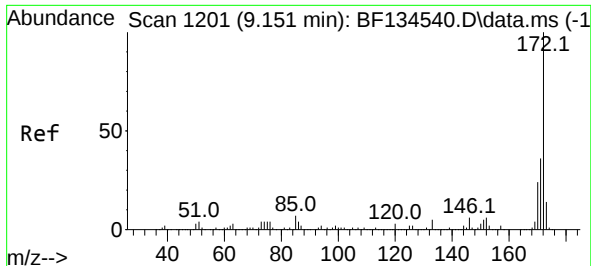
Ion Ratio Lower Upper

330 100

332 102.1 78.8 118.2

141 56.4 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 1.132 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL

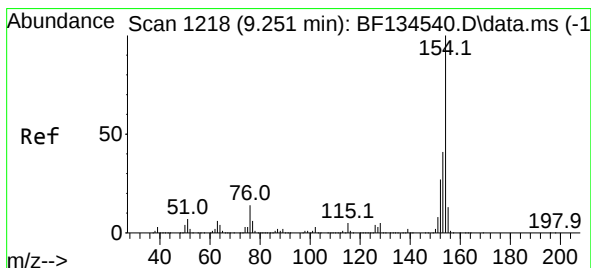
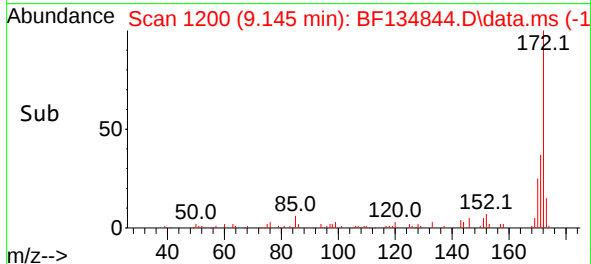
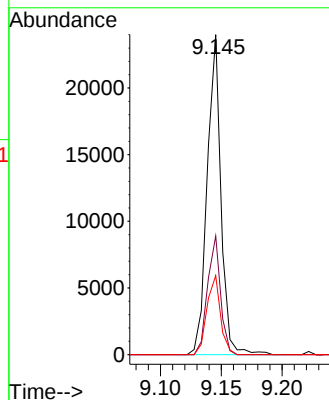
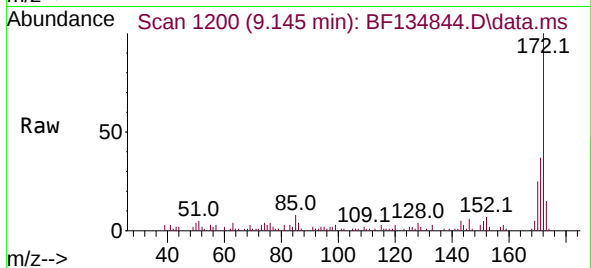
Tgt Ion:172 Resp: 18913

Ion Ratio Lower Upper

172 100

171 37.1 28.8 43.2

170 24.7 18.7 28.1



#46

1,1'-Biphenyl

Concen: 2.341 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.017 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

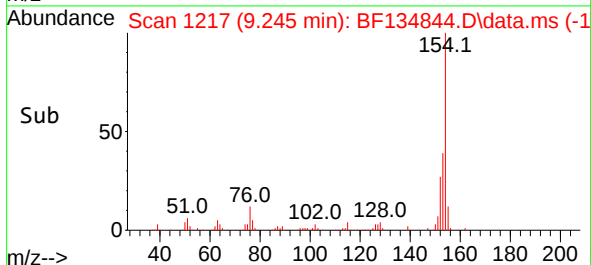
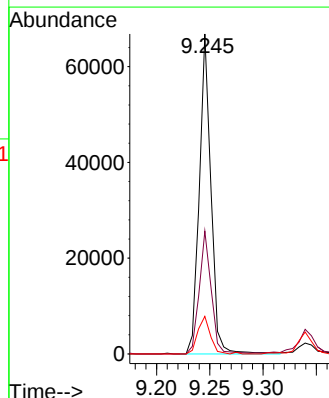
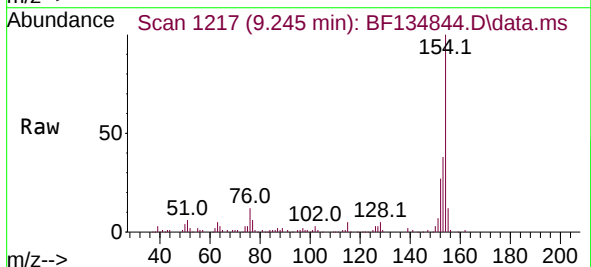
Tgt Ion:154 Resp: 50584

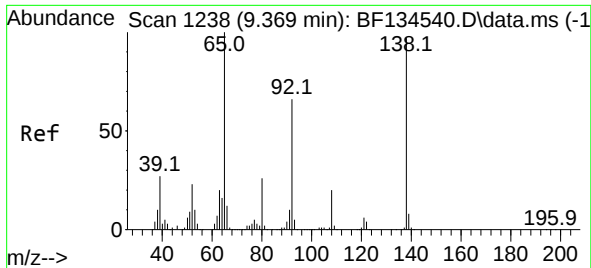
Ion Ratio Lower Upper

154 100

153 38.4 20.8 60.8

76 11.8 0.0 30.2

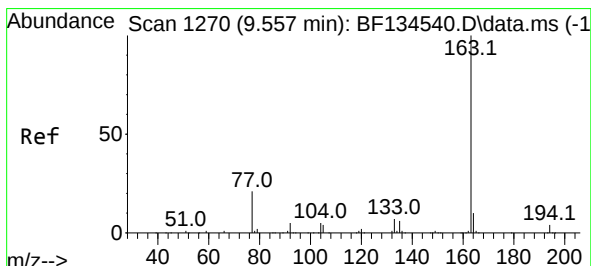
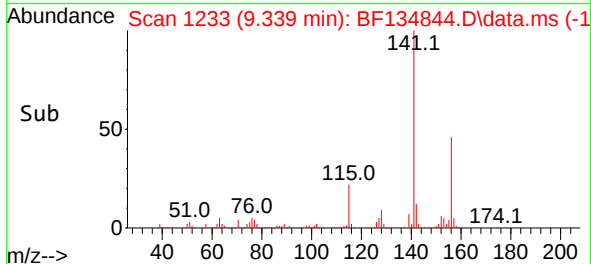
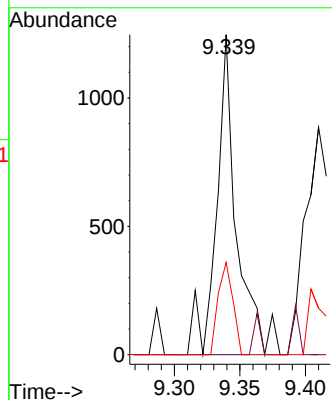
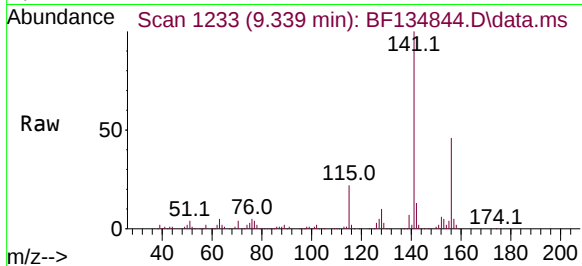




#48
2-Nitroaniline
Concen: 3.416 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

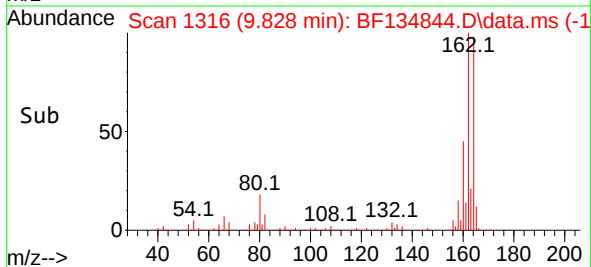
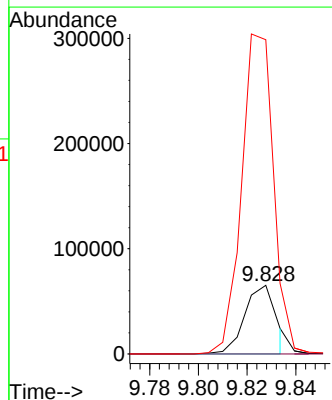
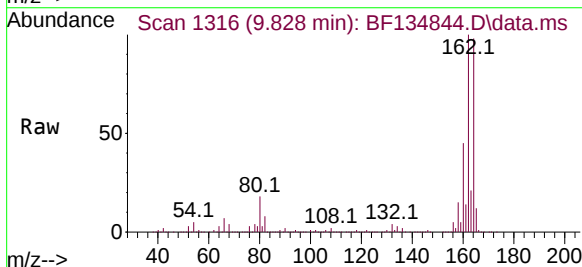
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

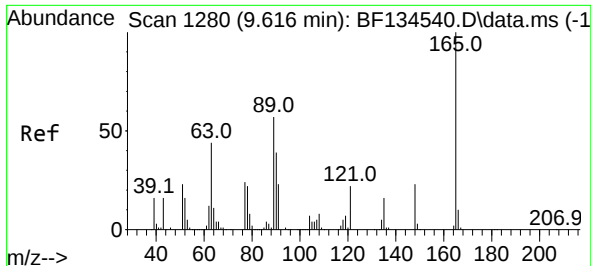
Tgt Ion: 65 Resp: 1351
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 28.8 78.2 117.4#



#50
Dimethylphthalate
Concen: 3.062 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:163 Resp: 57992
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 458.1 7.5 11.3#





#51

2,6-Dinitrotoluene

Concen: 12.512 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.194 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL

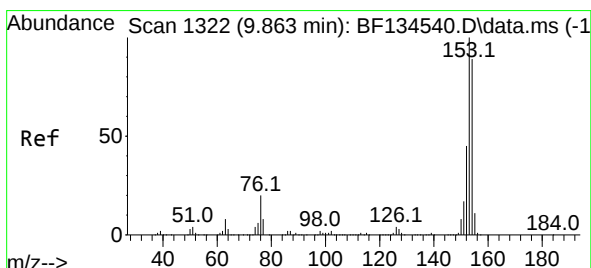
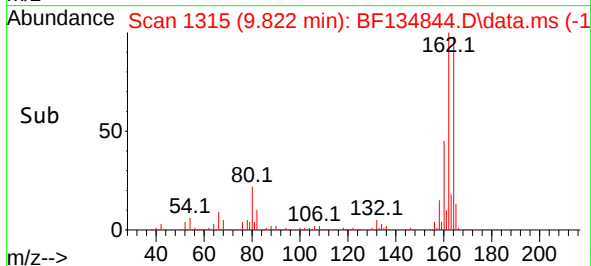
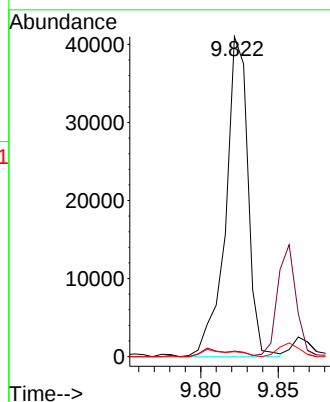
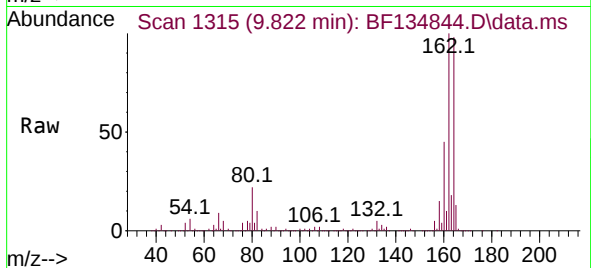
Tgt Ion:165 Resp: 40998

Ion Ratio Lower Upper

165 100

63 1.7 57.8 86.6#

89 1.5 51.8 77.8#



#52

Acenaphthene

Concen: 8.495 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.017 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

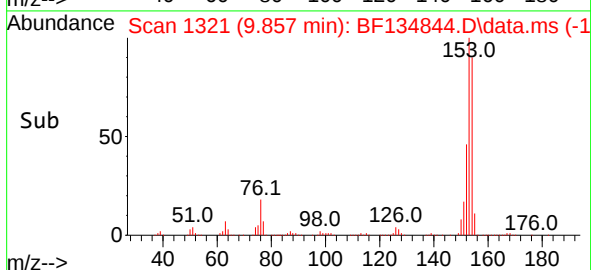
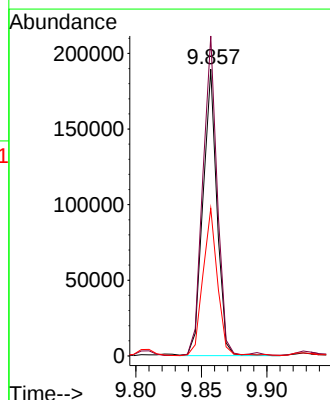
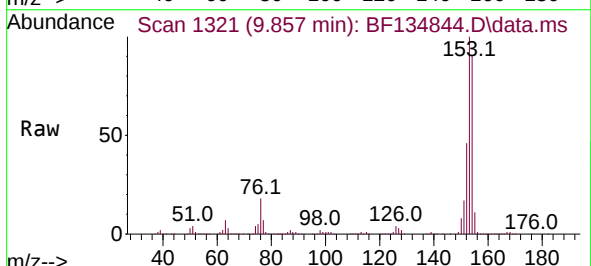
Tgt Ion:154 Resp: 140101

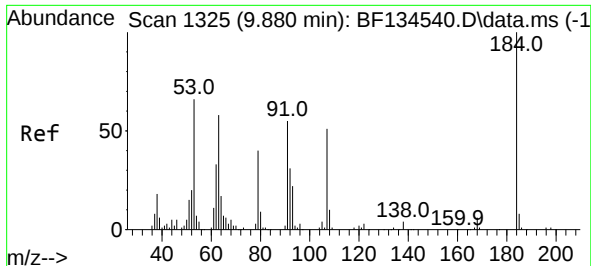
Ion Ratio Lower Upper

154 100

153 111.6 90.0 135.0

152 51.5 42.4 63.6





#54

2,4-Dinitrophenol

Concen: 6.837 ng

RT: 10.122 min Scan# 1366

Delta R.T. 0.224 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

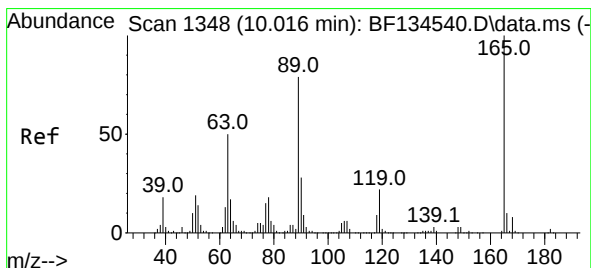
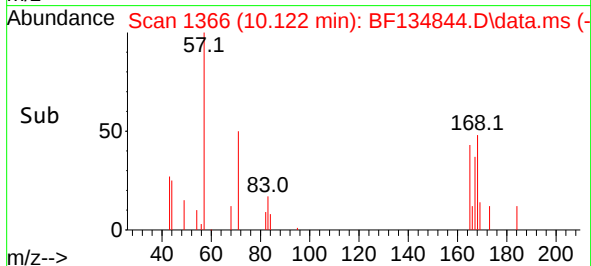
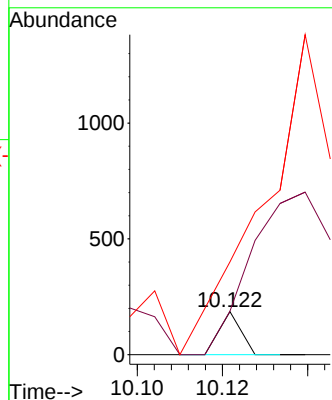
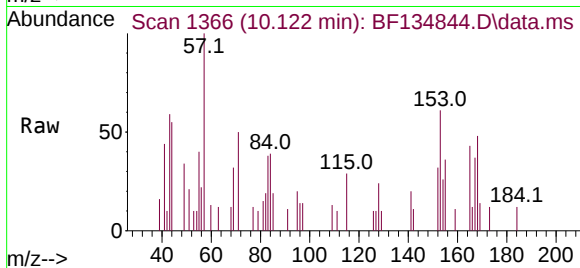
Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL

Tgt Ion:184	Resp:	66
Ion	Ratio	Lower Upper
184	100	
63	101.1	57.1 85.7#
154	215.6	59.1 88.7#



#57

2,4-Dinitrotoluene

Concen: 3.287 ng

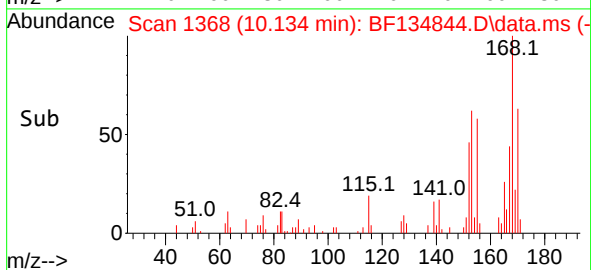
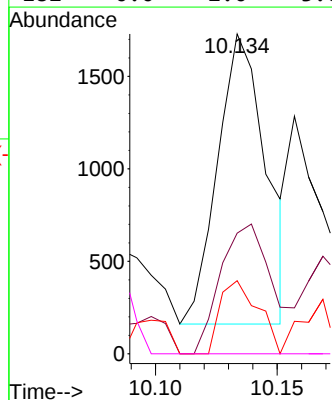
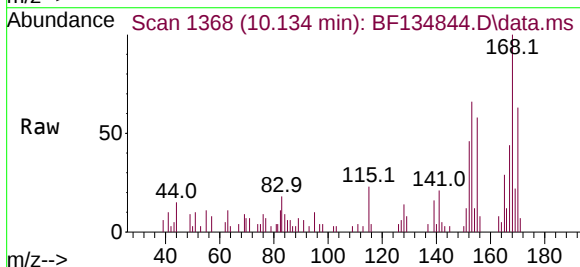
RT: 10.134 min Scan# 1368

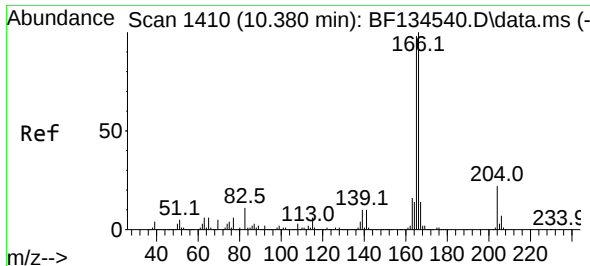
Delta R.T. 0.106 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Tgt Ion:165	Resp:	2175
Ion	Ratio	Lower Upper
165	100	
63	37.7	48.9 73.3#
89	22.9	61.7 92.5#
182	0.0	2.0 3.0#

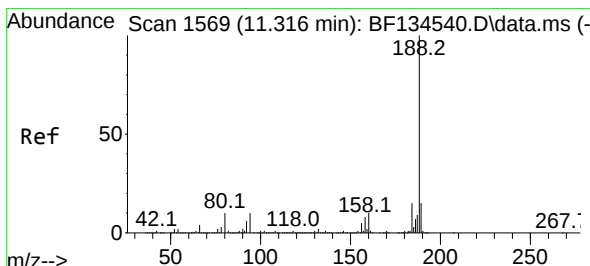
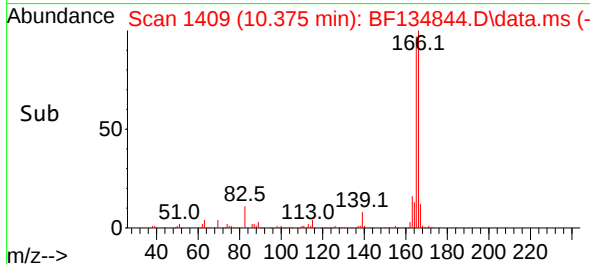
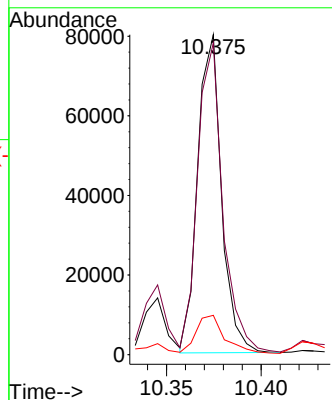
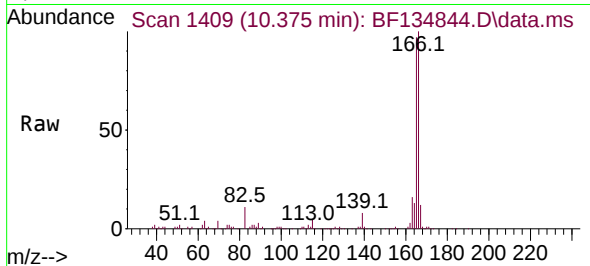




#58
Fluorene
Concen: 4.090 ng
RT: 10.375 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

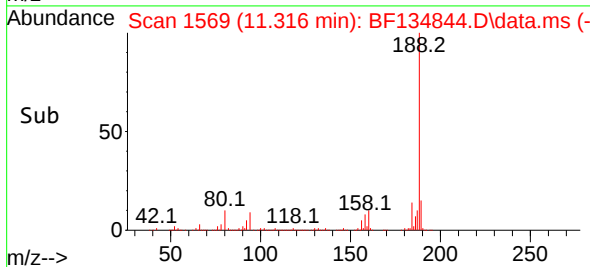
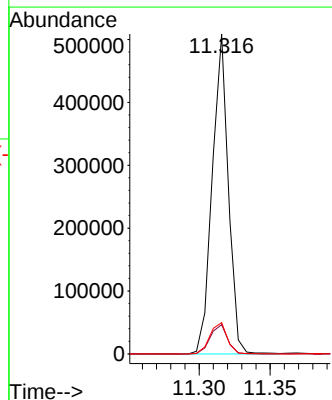
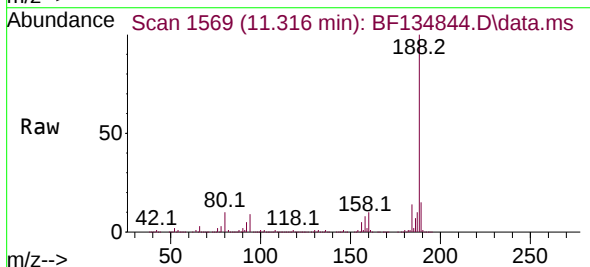
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

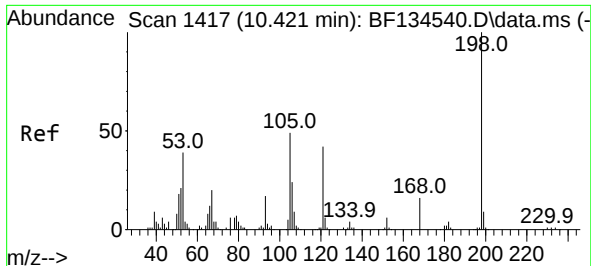
Tgt Ion:166 Resp: 69935
Ion Ratio Lower Upper
166 100
165 97.4 74.5 111.7
167 12.3 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:188 Resp: 401102
Ion Ratio Lower Upper
188 100
94 9.1 5.1 7.7#
80 9.8 6.6 9.8

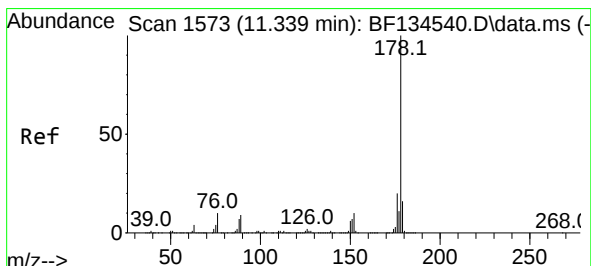
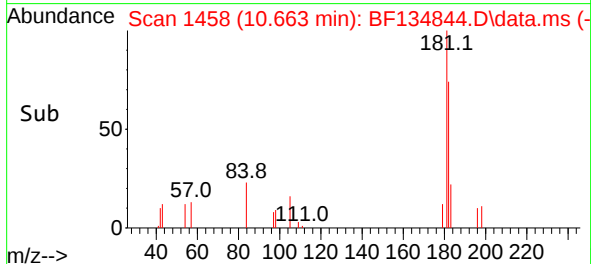
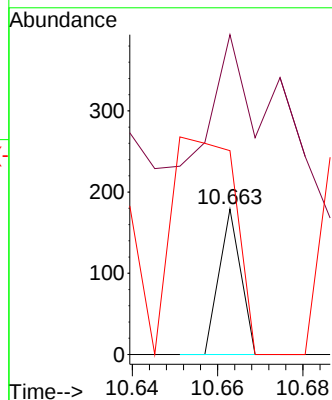
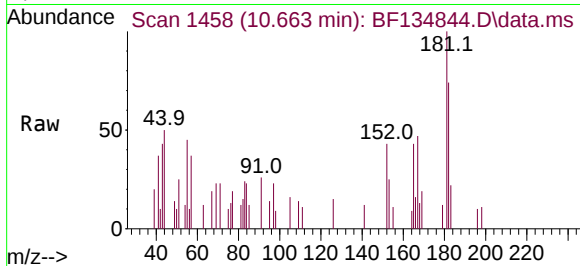




#65
4,6-Dinitro-2-methylphenol
Concen: 8.731 ng
RT: 10.663 min Scan# 1417
Delta R.T. 0.224 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

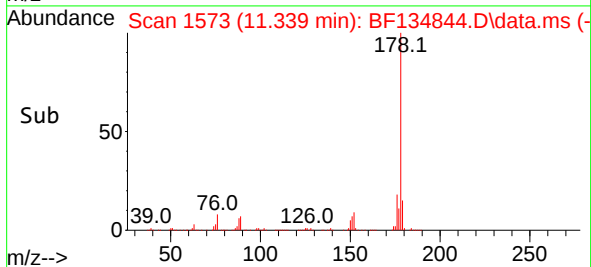
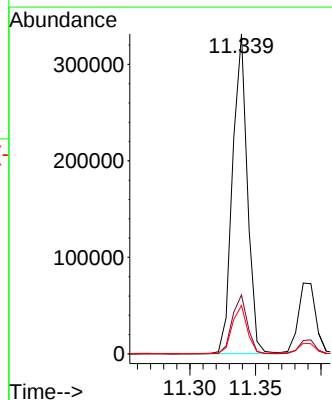
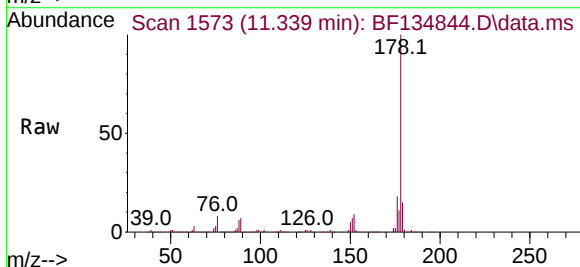
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

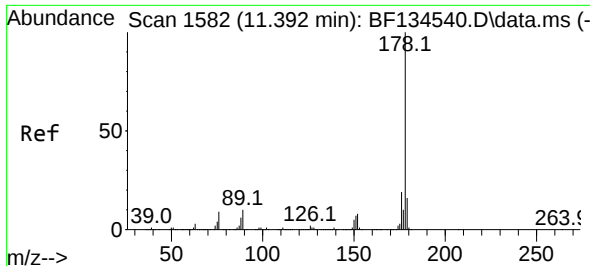
Tgt Ion:198 Resp: 63
Ion Ratio Lower Upper
198 100
51 220.1 38.6 78.6#
105 140.2 27.9 67.9#



#71
Phenanthrene
Concen: 12.274 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:178 Resp: 261504
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 15.1 12.7 19.1

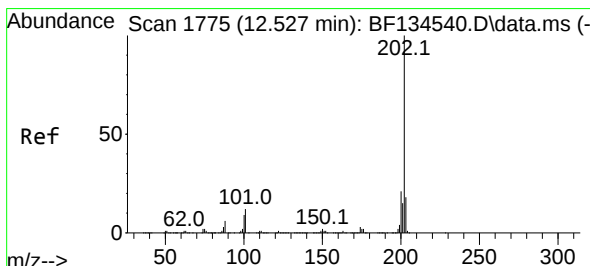
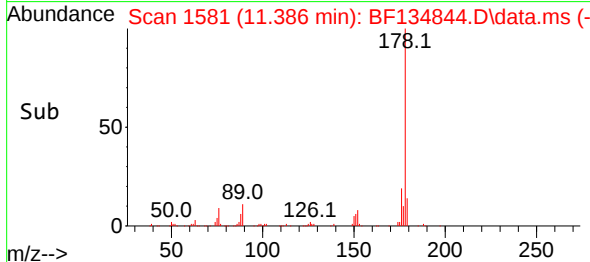
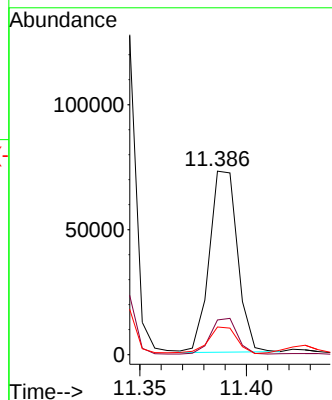
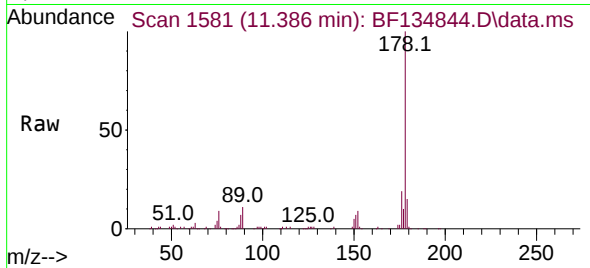




#72
 Anthracene
 Concen: 3.068 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF134844.D
 Acq: 18 Aug 2023 17:10

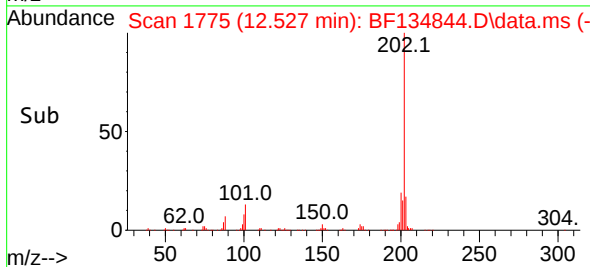
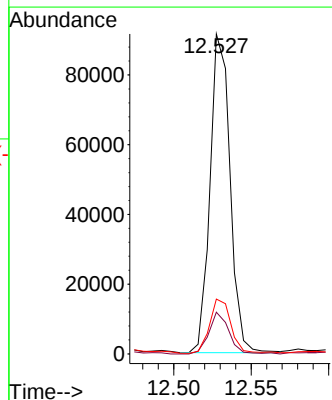
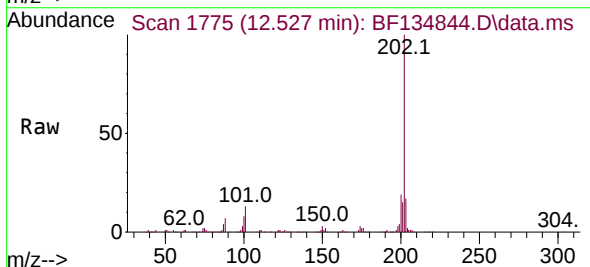
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z60-61DL

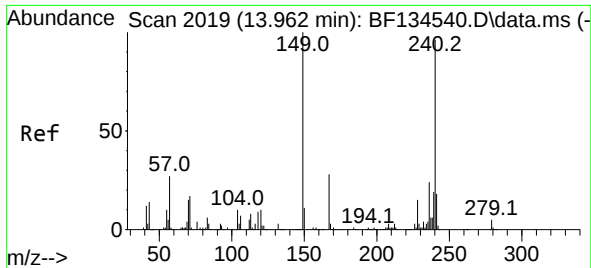
Tgt Ion:178 Resp: 66776
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 21.8
 179 15.1 12.3 18.5



#75
 Fluoranthene
 Concen: 3.668 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF134844.D
 Acq: 18 Aug 2023 17:10

Tgt Ion:202 Resp: 82554
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 28.5
 203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL

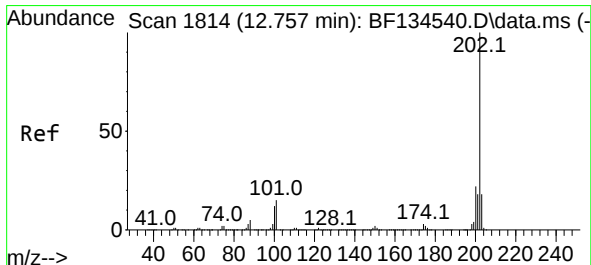
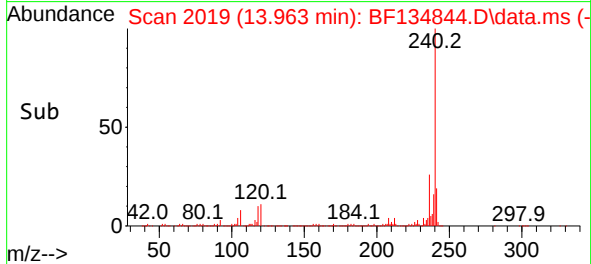
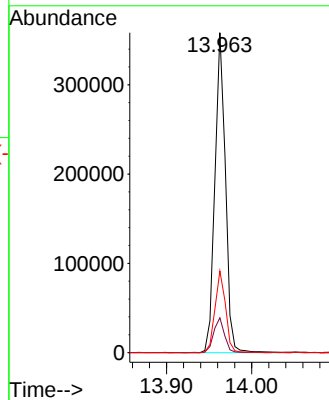
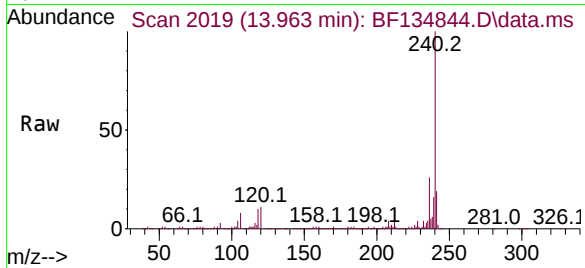
Tgt Ion:240 Resp: 307331

Ion Ratio Lower Upper

240 100

120 10.9 6.6 10.0#

236 25.5 20.2 30.2



#78

Pyrene

Concen: 4.919 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

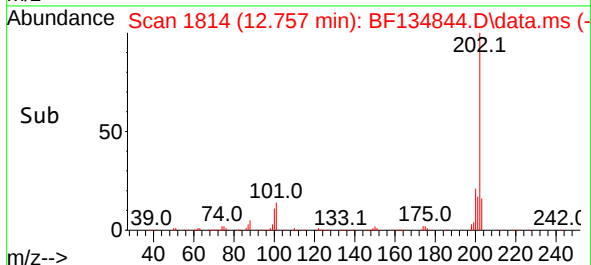
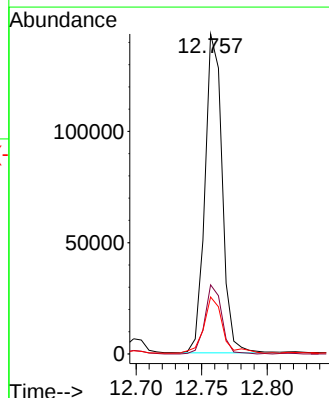
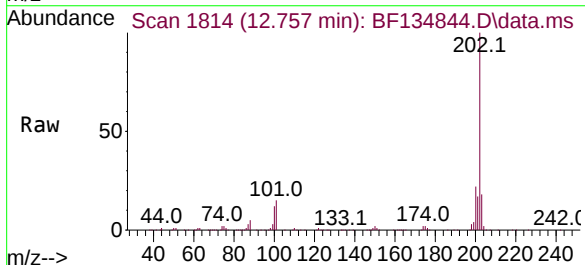
Tgt Ion:202 Resp: 130822

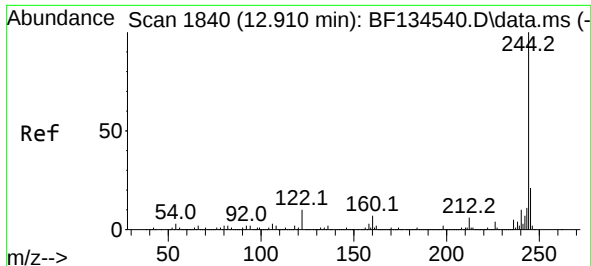
Ion Ratio Lower Upper

202 100

200 21.6 15.8 23.8

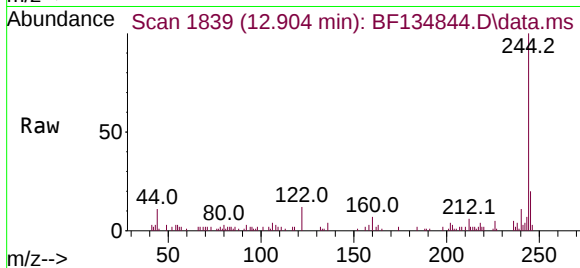
203 17.8 13.5 20.3



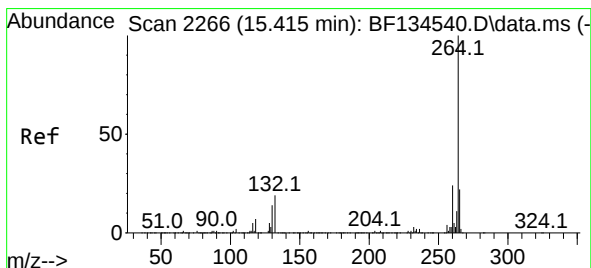
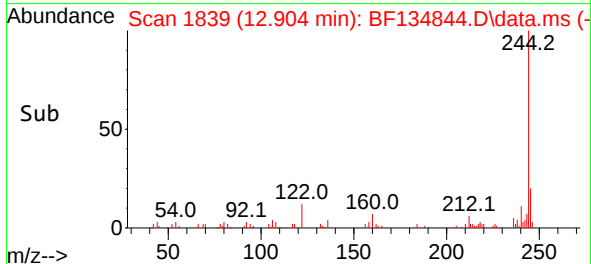
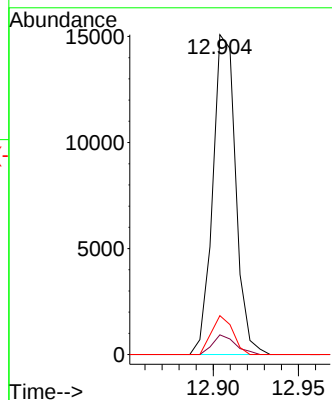


#79
 Terphenyl-d14
 Concen: 0.810 ng
 RT: 12.904 min Scan# 1840
 Delta R.T. -0.017 min
 Lab File: BF134844.D
 Acq: 18 Aug 2023 17:10

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z60-61DL

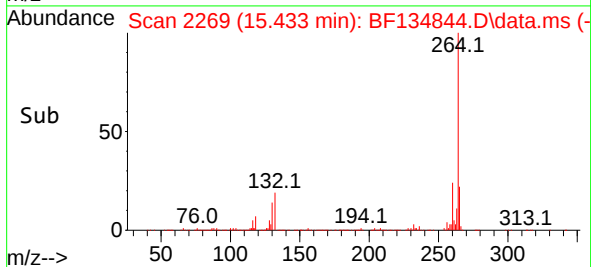
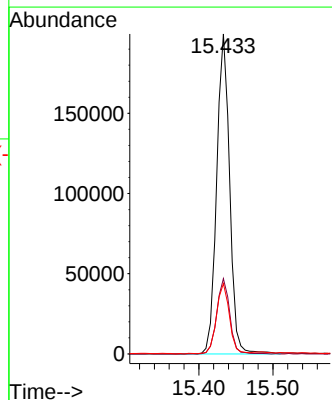
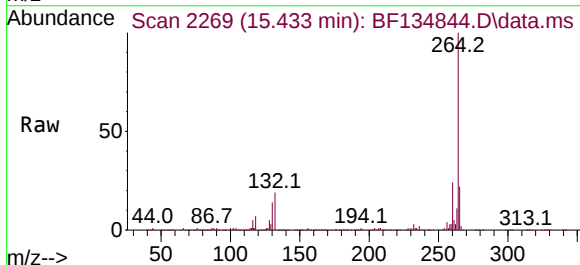


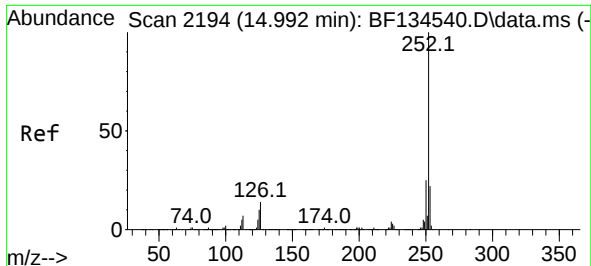
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	12.2	8.0	12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF134844.D
 Acq: 18 Aug 2023 17:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	22.0	15.8	23.8

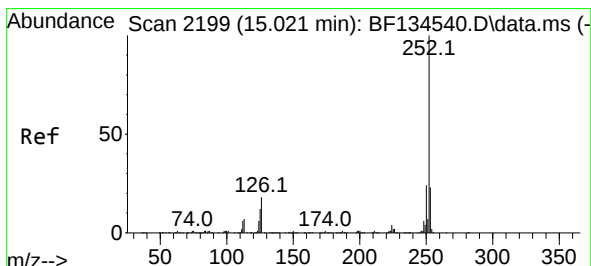
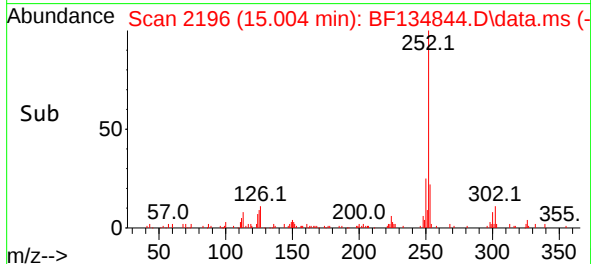
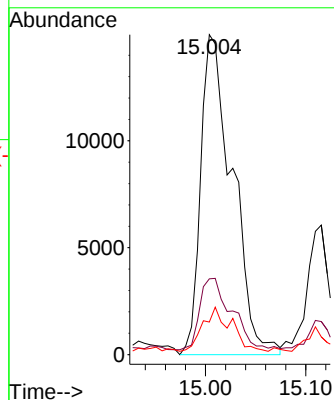
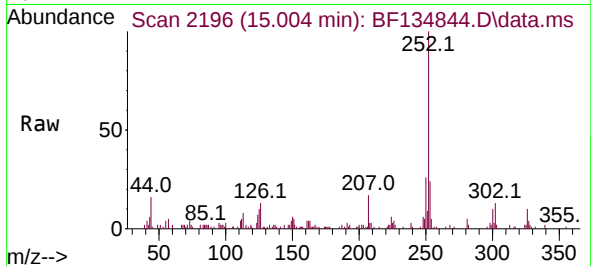




#88
Benzo(b)fluoranthene
Concen: 2.217 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

Tgt Ion:252 Resp: 32794
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 10.2 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 2.225 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

Tgt Ion:252 Resp: 32794
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 10.2 6.3 9.5#

