

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)

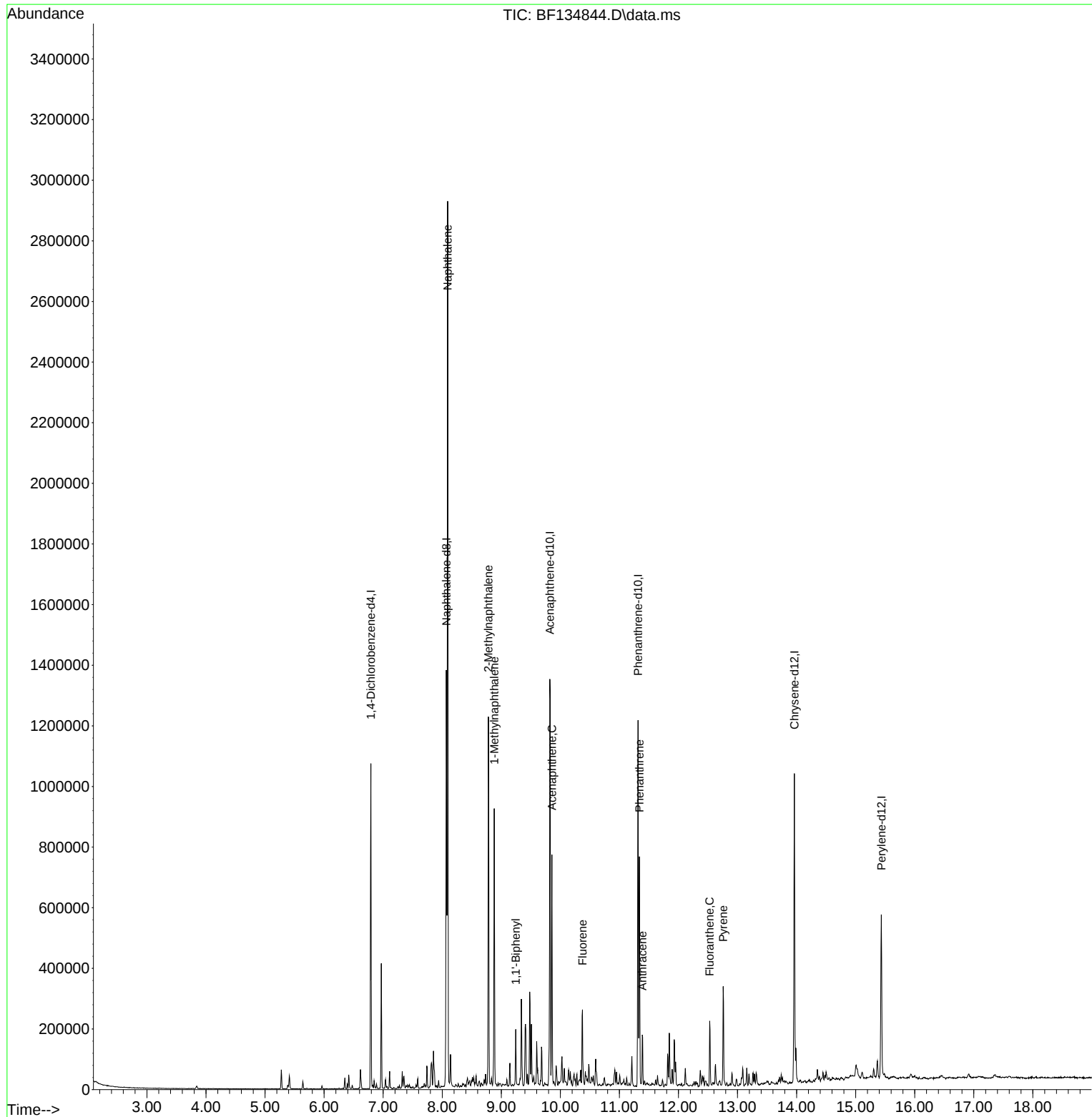
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	144380	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	573625	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	277853	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	401102	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	307331	20.000	ng	#-0.01
86) 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
31) Naphthalene	8.092	128	1178088	40.864	ng	99
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
52) Acenaphthene	9.857	154	140101	8.495	ng	99
58) Fluorene	10.375	166	69935	4.090	ng	96
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

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

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

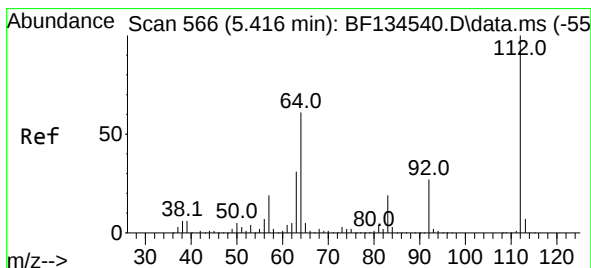
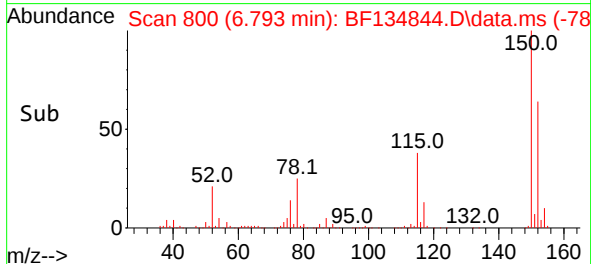
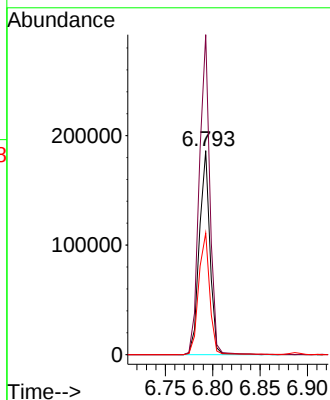
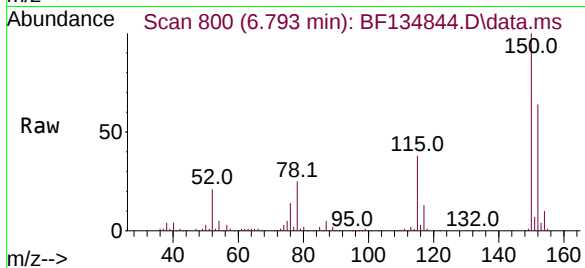




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

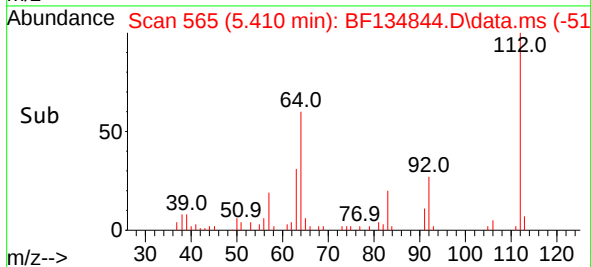
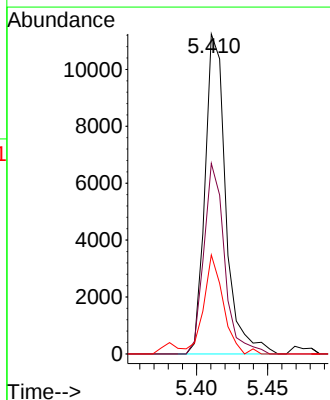
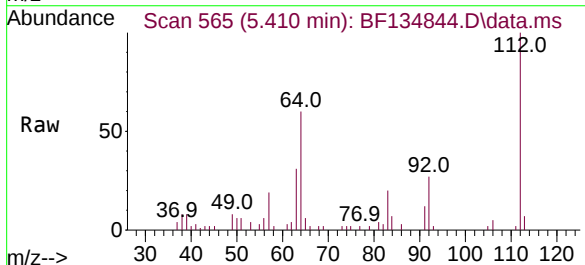
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

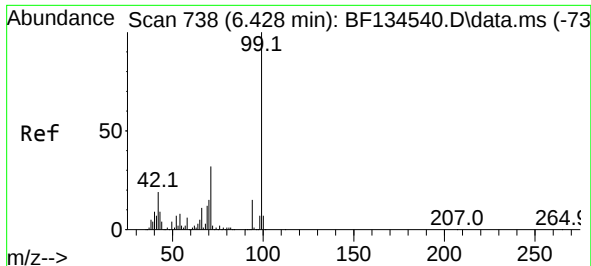
Tgt Ion:152 Resp: 144380
Ion Ratio Lower Upper
152 100
150 157.0 128.3 192.5
115 59.6 52.4 78.6



#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

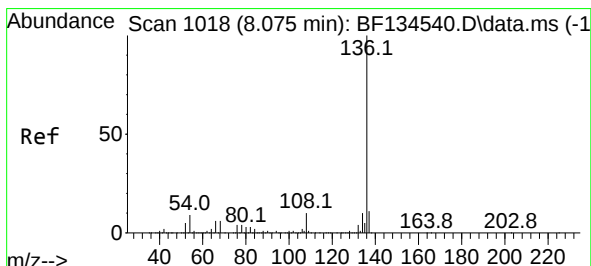
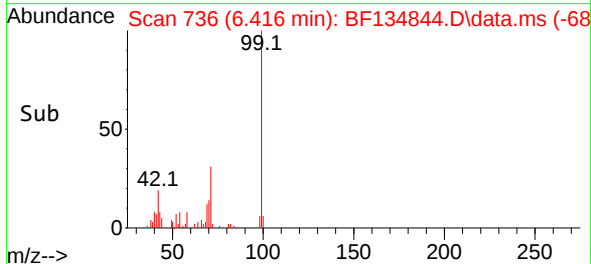
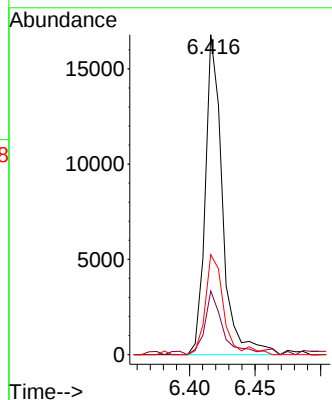
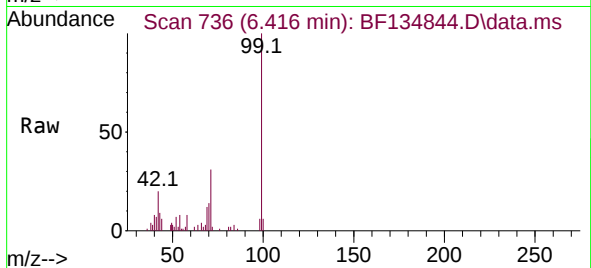




#7
Phenol-d6
Concen: 1.258 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.023 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

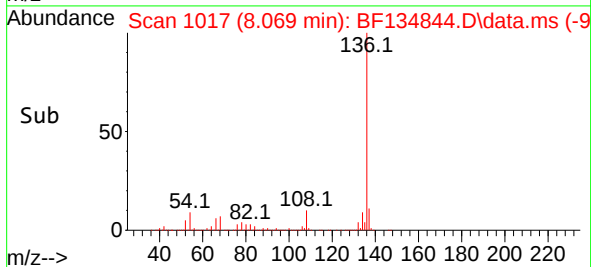
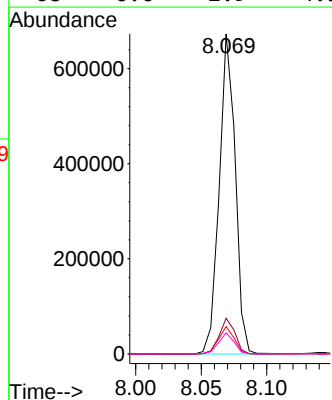
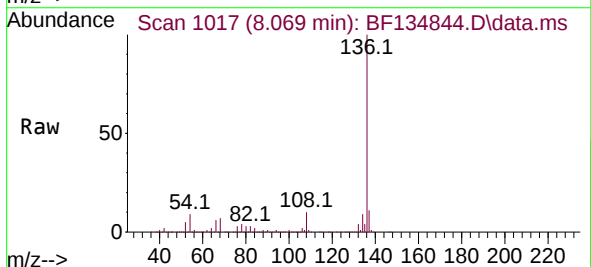
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

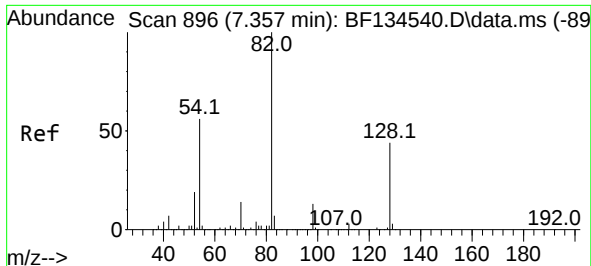
Tgt Ion: 99 Resp: 15271
Ion Ratio Lower Upper
99 100
42 19.9 18.7 28.1
71 31.2 36.4 54.6#



#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

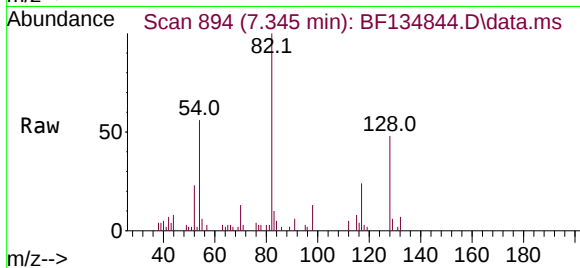
Acq: 18 Aug 2023 17:10

Instrument :

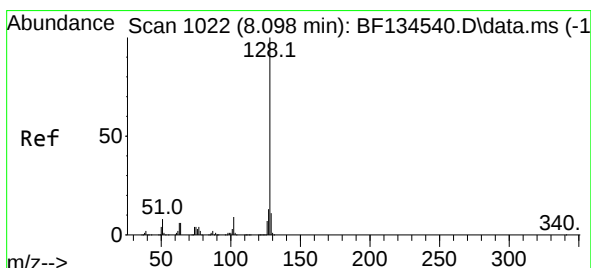
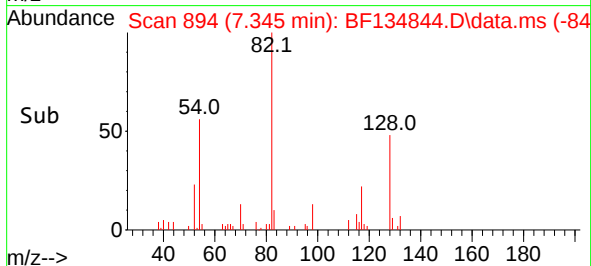
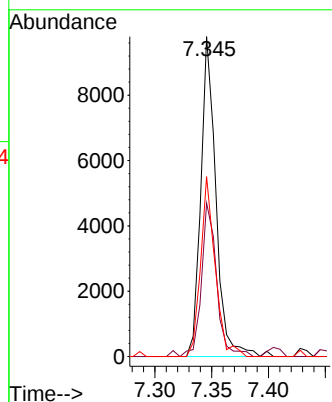
BNA_F

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

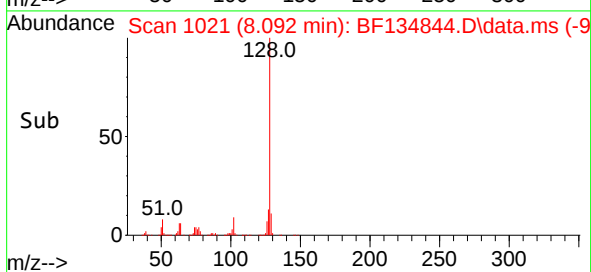
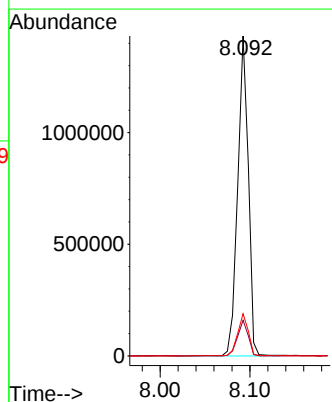
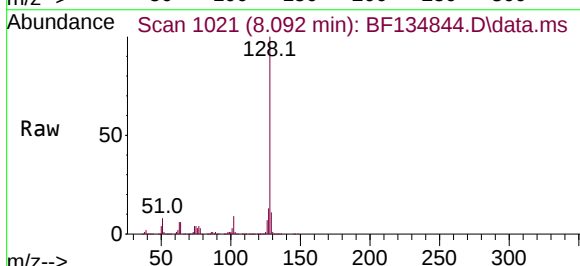
RT: 8.092 min Scan# 1021

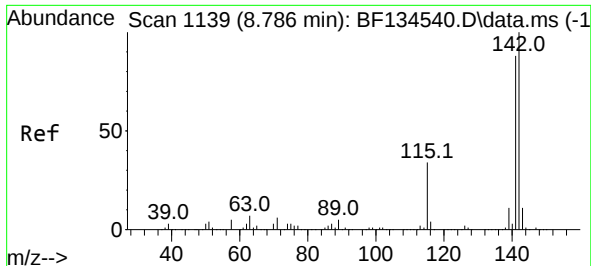
Delta R.T. -0.012 min

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





#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 :

BNA_F

ClientSampleId :

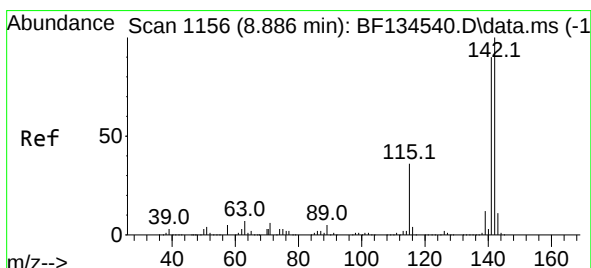
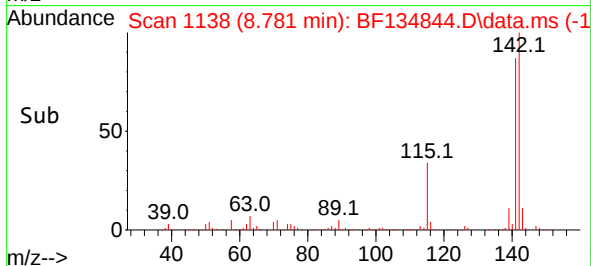
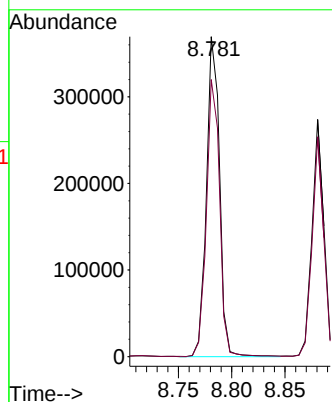
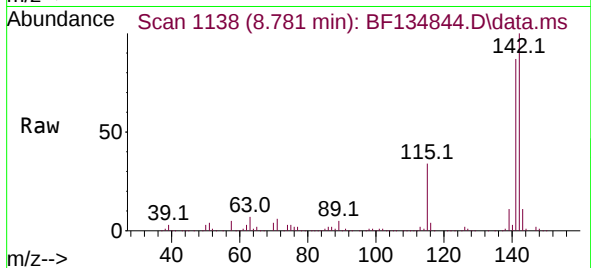
NEVINS-SB05-Z60-61DL

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

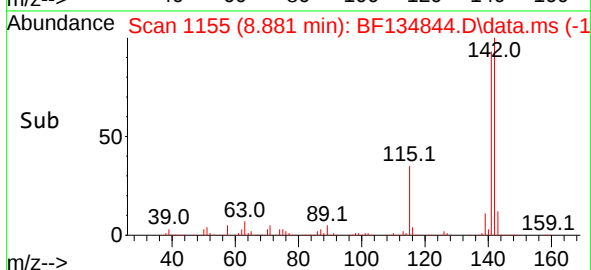
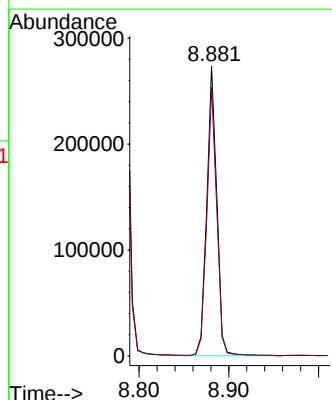
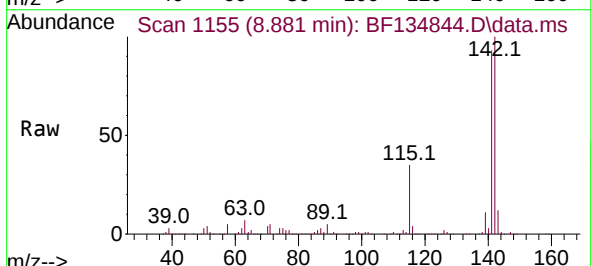
Acq: 18 Aug 2023 17:10

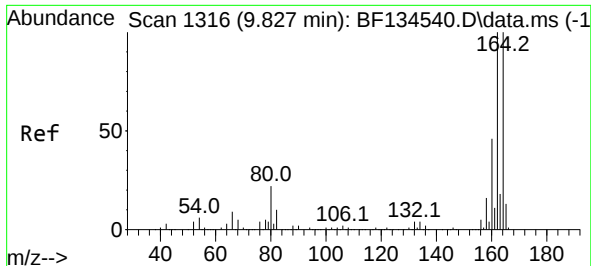
Tgt Ion:142 Resp: 212943

Ion Ratio Lower Upper

142 100

141 92.7 71.4 107.2

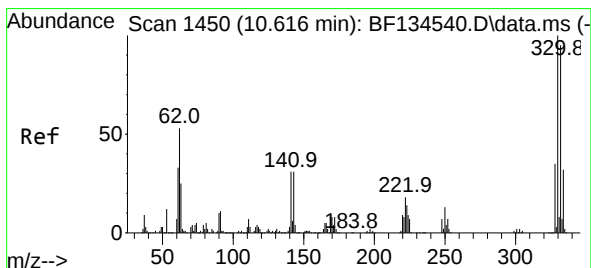
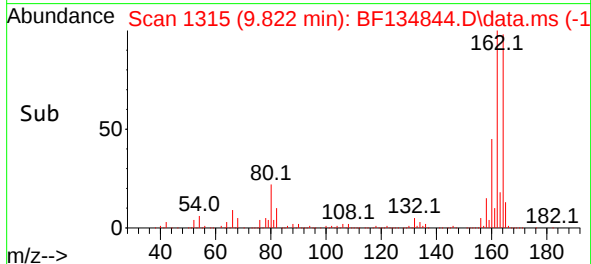
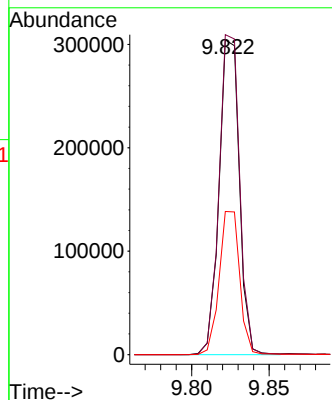
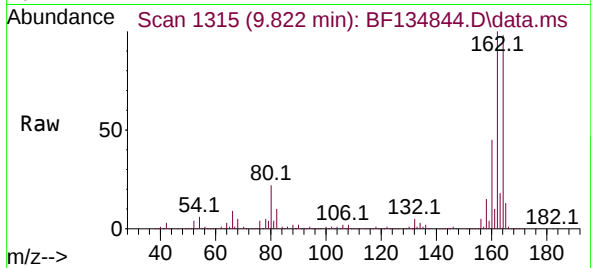




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

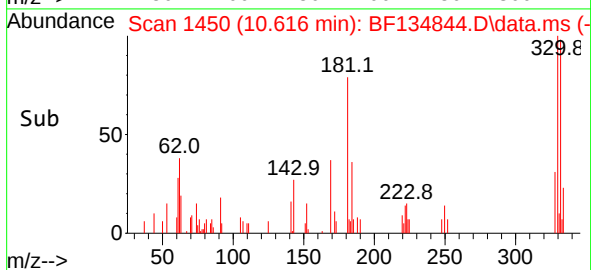
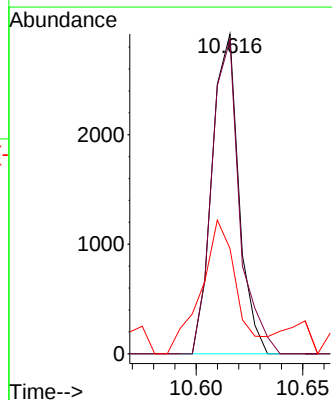
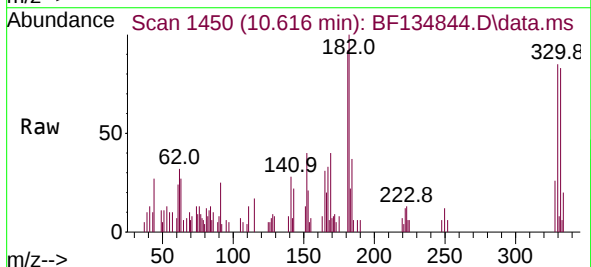
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z60-61DL

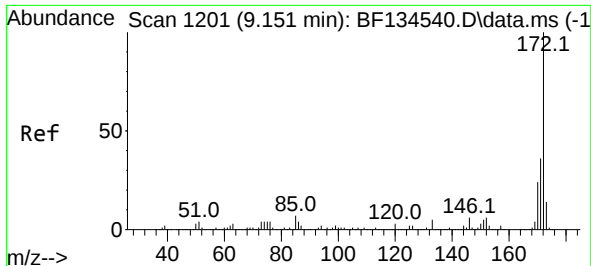
Tgt Ion:164 Resp: 277853
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 45.5 37.2 55.8



#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

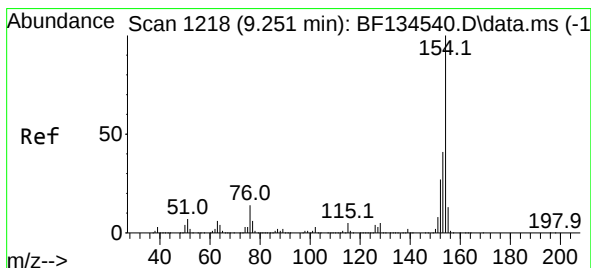
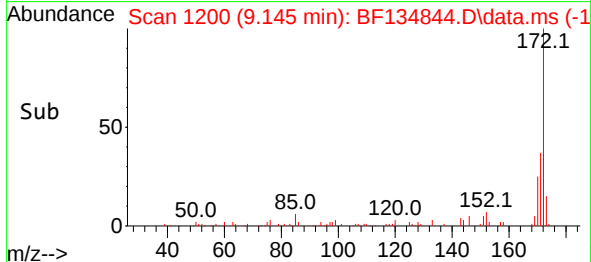
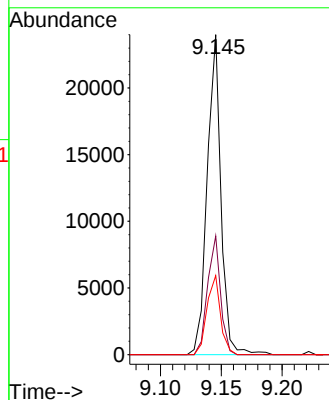
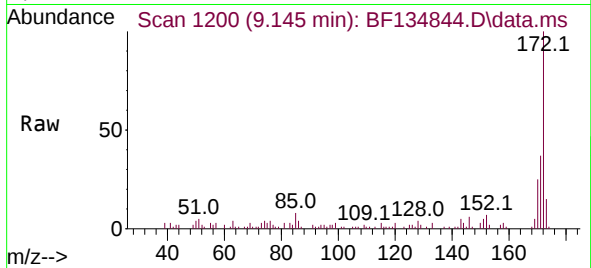
Tgt Ion:172 Resp: 18913

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

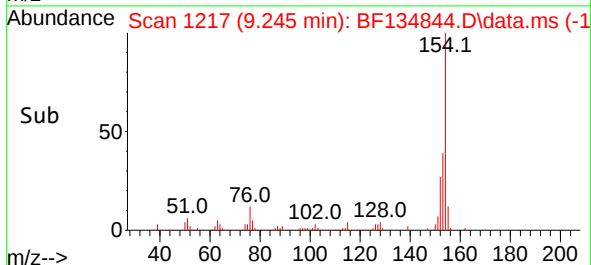
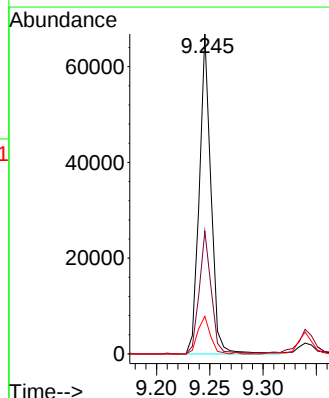
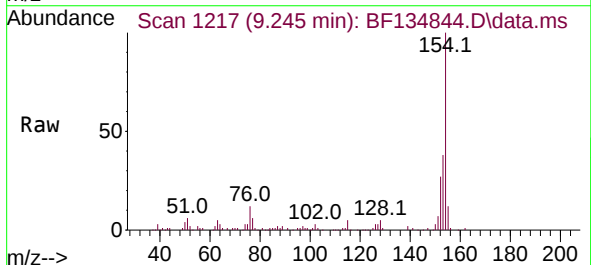
Tgt Ion:154 Resp: 50584

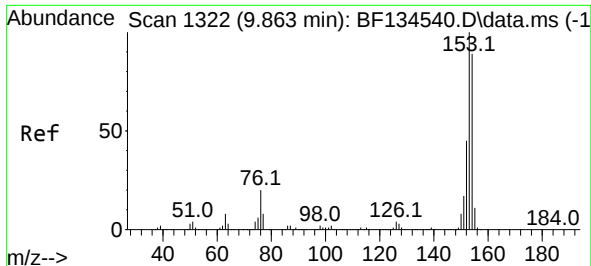
Ion Ratio Lower Upper

154 100

153 38.4 20.8 60.8

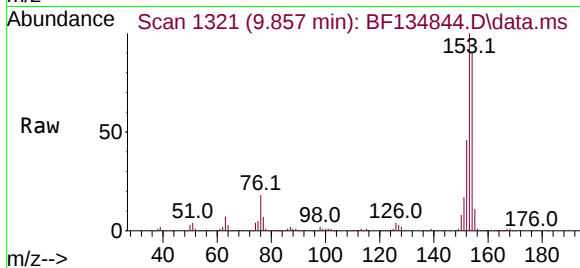
76 11.8 0.0 30.2



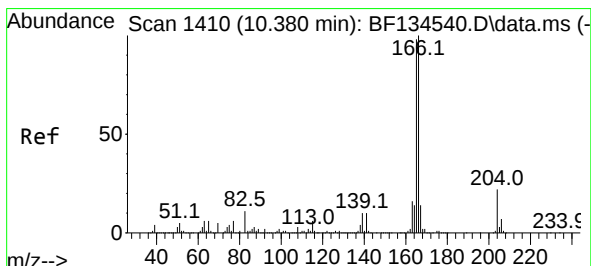
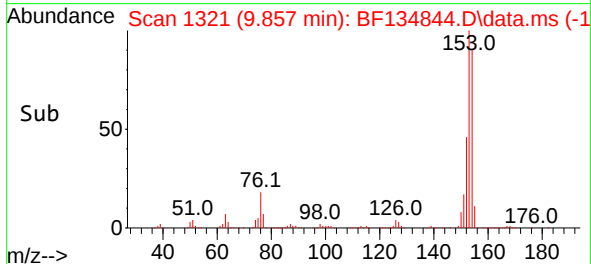
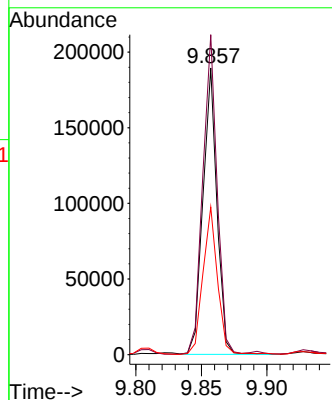


#52
Acenaphthene
Concen: 8.495 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

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

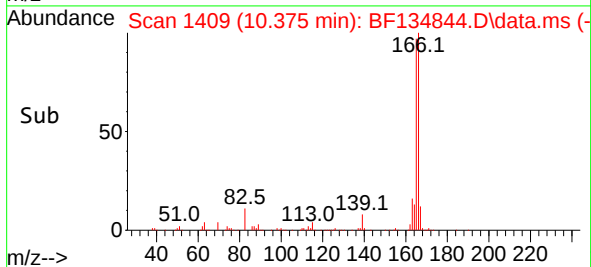
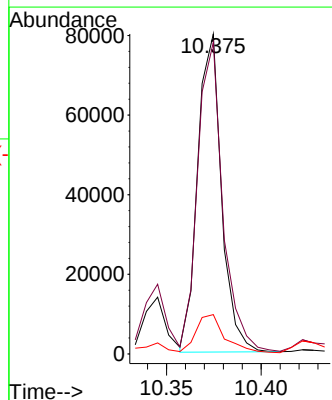
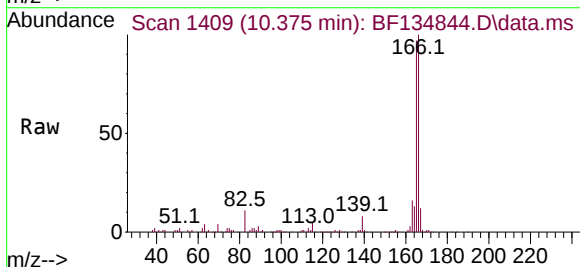


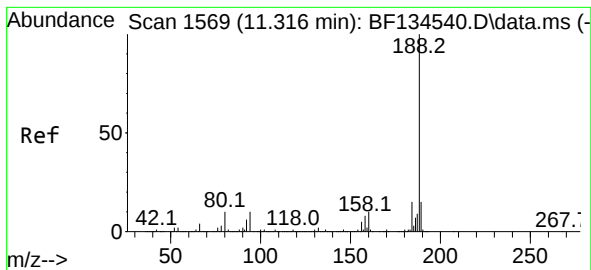
Tgt Ion:154 Resp: 140101
Ion Ratio Lower Upper
154 100
153 111.6 90.0 135.0
152 51.5 42.4 63.6



#58
Fluorene
Concen: 4.090 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF134844.D
Acq: 18 Aug 2023 17:10

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# 11

Delta R.T. -0.006 min

Lab File: BF134844.D

Acq: 18 Aug 2023 17:10

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z60-61DL

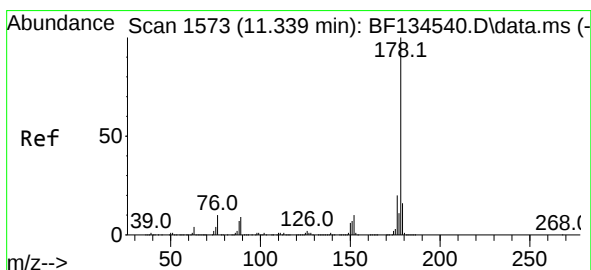
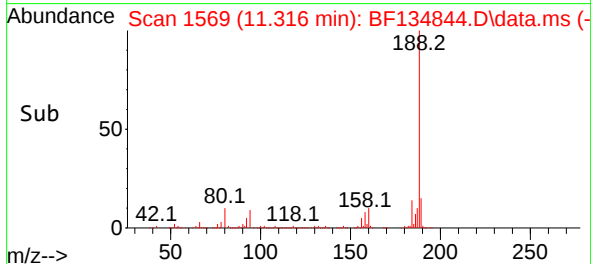
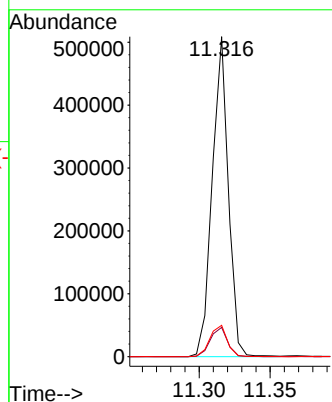
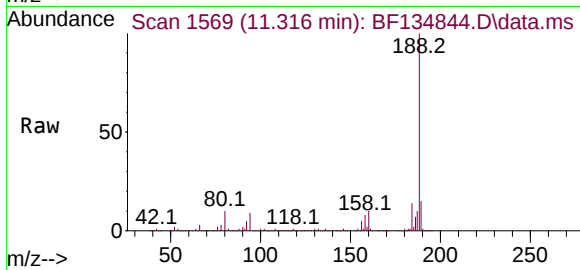
Tgt Ion:188 Resp: 401102

Ion Ratio Lower Upper

188 100

94 9.1 5.1 7.7#

80 9.8 6.6 9.8



#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

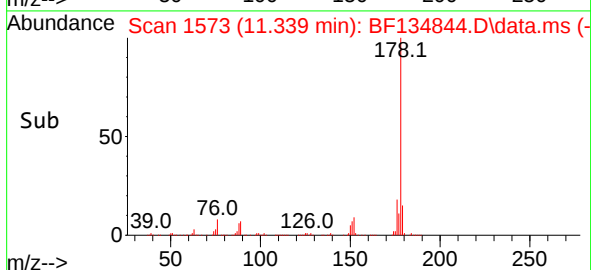
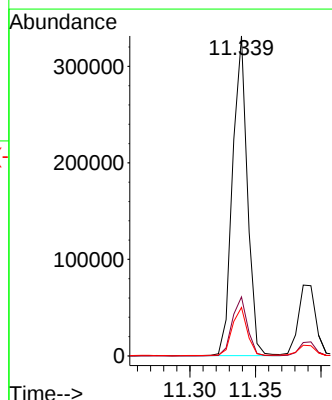
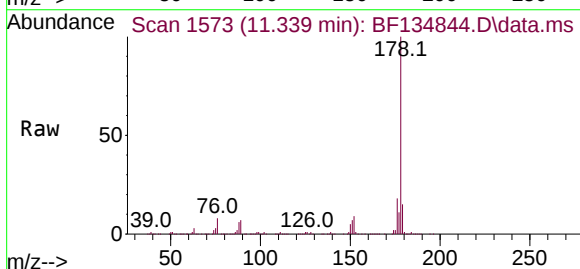
Tgt Ion:178 Resp: 261504

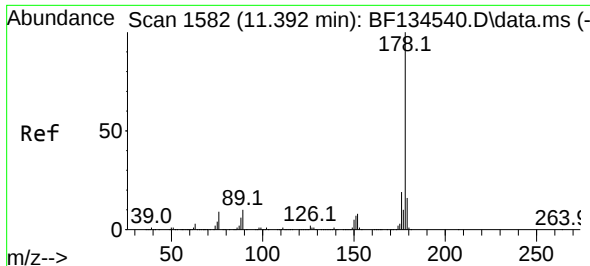
Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

179 15.1 12.7 19.1

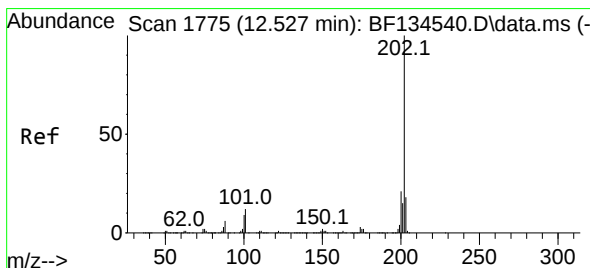
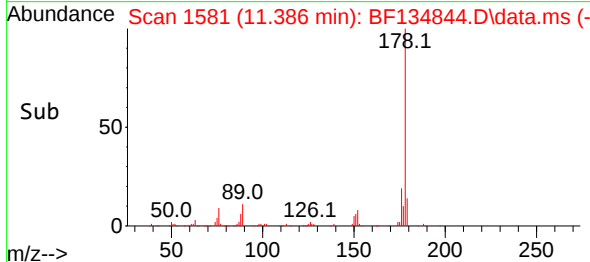
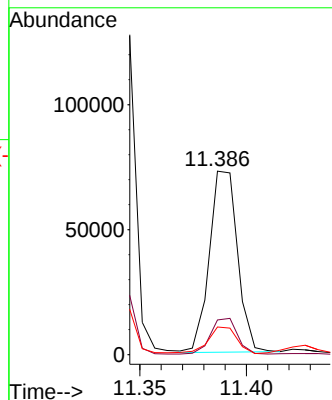
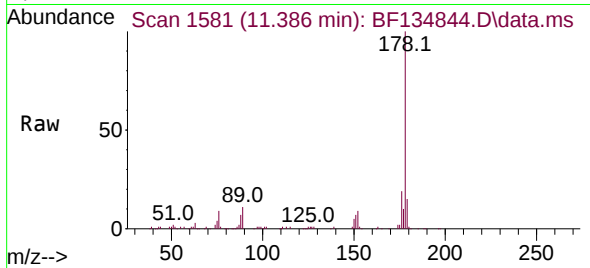




#72
 Anthracene
 Concen: 3.068 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF134844.D
 Acq: 18 Aug 2023 17:10

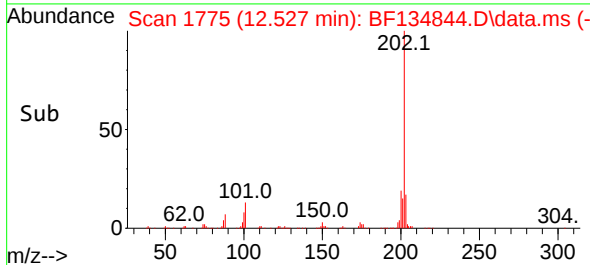
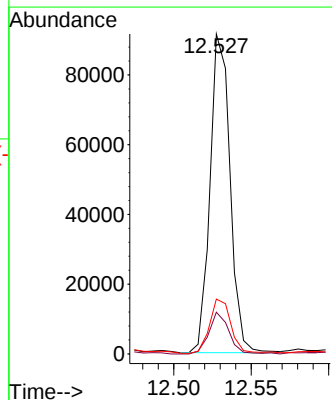
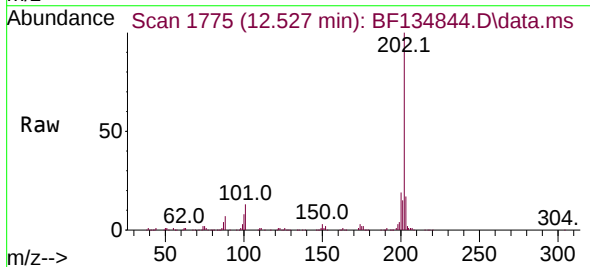
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z60-61DL

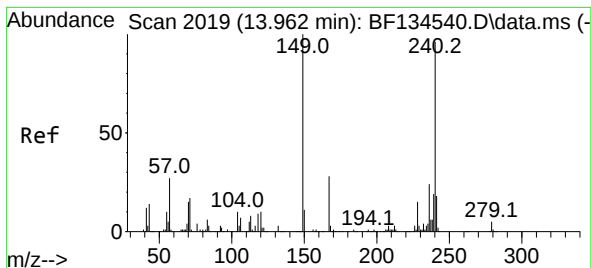
Tgt Ion:178 Resp: 66776
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 21.8
 179 15.1 12.3 18.5



#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

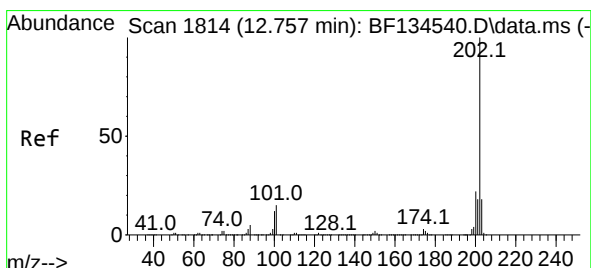
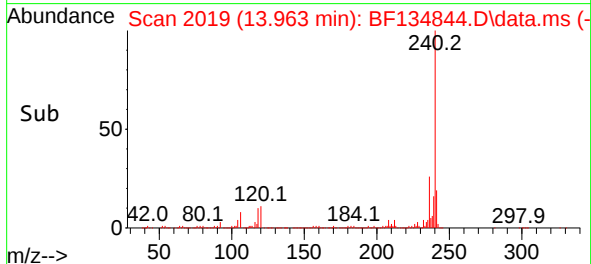
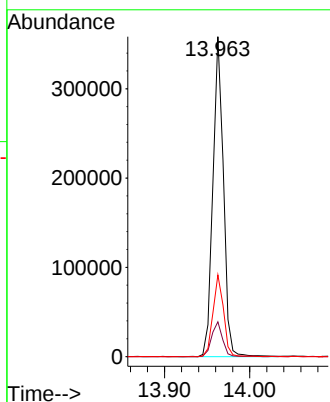
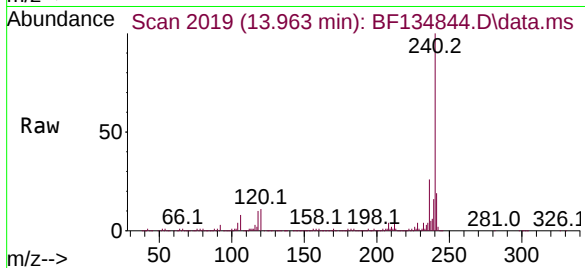
Tgt Ion:240 Resp: 307331

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

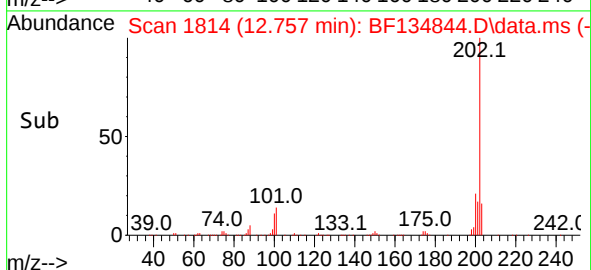
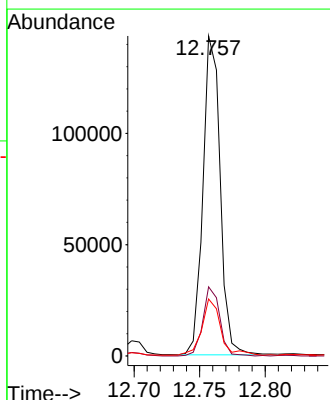
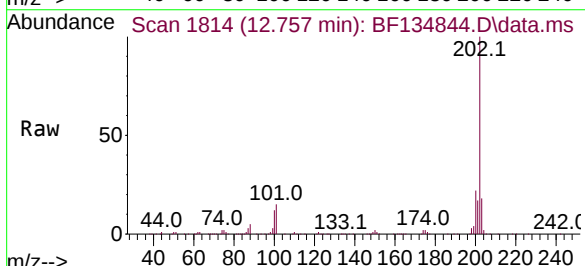
Tgt Ion:202 Resp: 130822

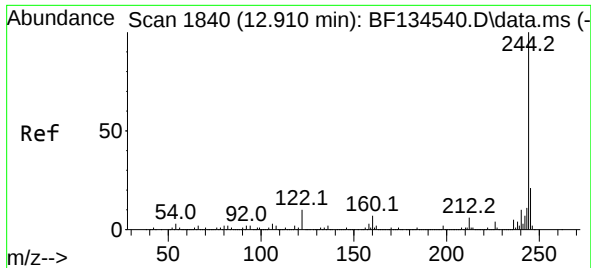
Ion Ratio Lower Upper

202 100

200 21.6 15.8 23.8

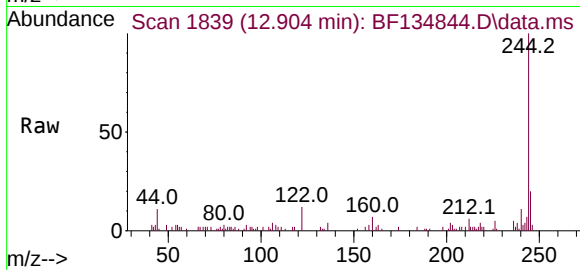
203 17.8 13.5 20.3



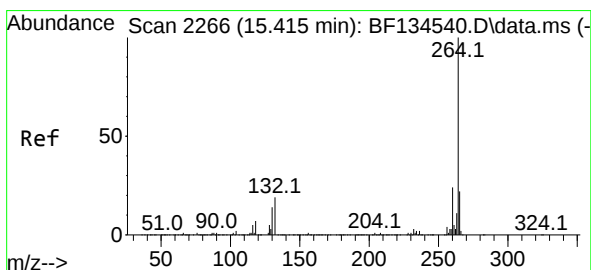
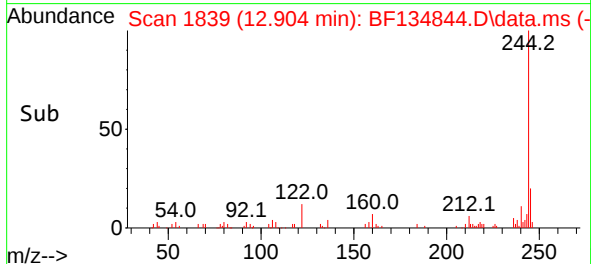
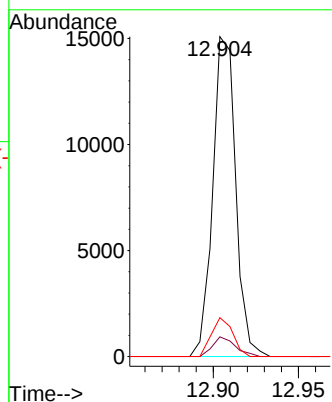


#79
 Terphenyl-d14
 Concen: 0.810 ng
 RT: 12.904 min Scan# 1840
 Delta R.T. -0.017 min
 Lab File: BF134844.D
 Acq: 18 Aug 2023 17:10

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



Tgt Ion:244 Resp: 14120
 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:264 Resp: 242582
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.4 27.6
 265 22.0 15.8 23.8

