

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134785.D
 Acq On : 15 Aug 2023 15:31
 Operator : CG\JU
 Sample : 03975-01DL2 200X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z10-12DL2

Quant Time: Aug 16 03:11:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

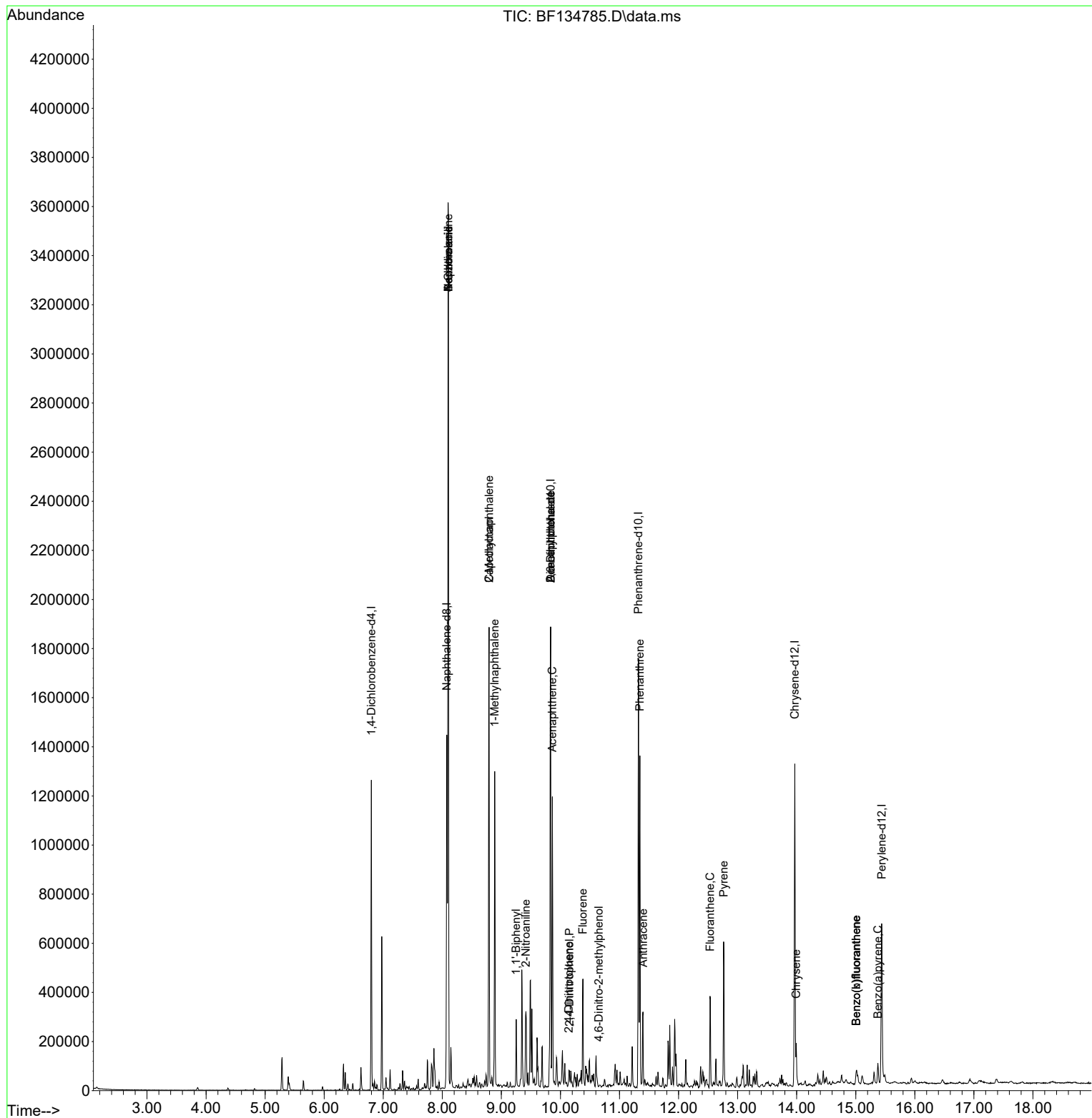
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	169949	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	685905	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	371033	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	611016	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	407349	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	339169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1478	0.132	ng	0.00
7) Phenol-d6	6.422	99	2077	0.145	ng	-0.02
23) Nitrobenzene-d5	7.351	82	1749	0.159	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	617	0.163	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	4497	0.202	ng	-0.01
79) Terphenyl-d14	12.910	244	4524	0.196	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	2697	Below Cal	#	1
31) Naphthalene	8.104	128	1679916	48.732	ng	99
32) Benzoic acid	8.104	122	4321	8.386	ng	# 1
33) 4-Chloroaniline	8.104	127	227028	14.781	ng	# 33
35) Caprolactam	8.792	113	11291	3.610	ng	# 1
37) 2-Methylnaphthalene	8.792	142	496802	21.742	ng	99
38) 1-Methylnaphthalene	8.886	142	305416	14.374	ng	96
46) 1,1'-Biphenyl	9.251	154	76877	2.664	ng	97
48) 2-Nitroaniline	9.416	65	2289	3.483	ng	# 20
50) Dimethylphthalate	9.833	163	78298	3.096	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	54815	12.525	ng	# 17
52) Acenaphthene	9.863	154	227643	10.337	ng	97
54) 2,4-Dinitrophenol	10.151	184	56	6.817	ng	# 1
57) 2,4-Dinitrotoluene	10.139	165	2225	3.185	ng	# 50
58) Fluorene	10.380	166	113305	4.962	ng	95
65) 4,6-Dinitro-2-methylph...	10.651	198	57	8.718	ng	# 13
71) Phenanthrene	11.345	178	469028	14.452	ng	100
72) Anthracene	11.398	178	121628	3.669	ng	99
75) Fluoranthene	12.533	202	152794	4.457	ng	96
78) Pyrene	12.763	202	238361	6.762	ng	98
83) Chrysene	13.992	228	58174	2.050	ng	98
88) Benzo(b)fluoranthene	15.009	252	48010	2.321	ng	# 90
89) Benzo(k)fluoranthene	15.009	252	48010	2.330	ng	# 91
90) Benzo(a)pyrene	15.374	252	42209	2.188	ng	# 95

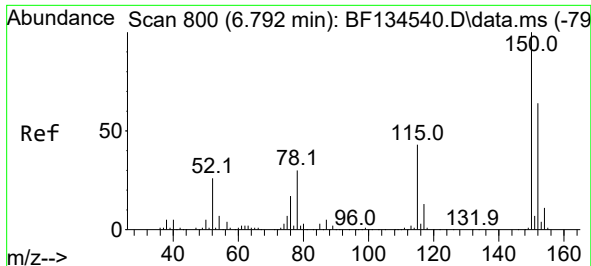
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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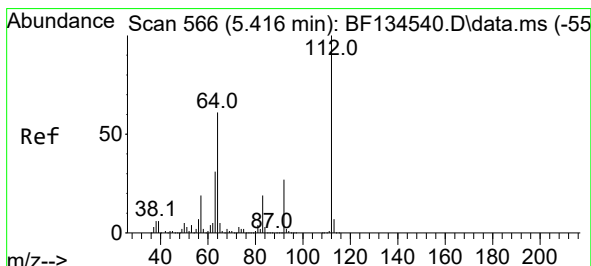
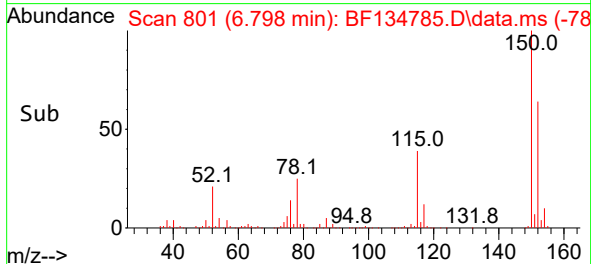
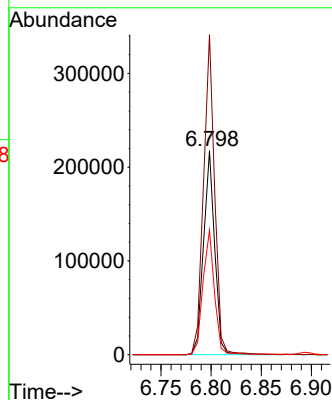
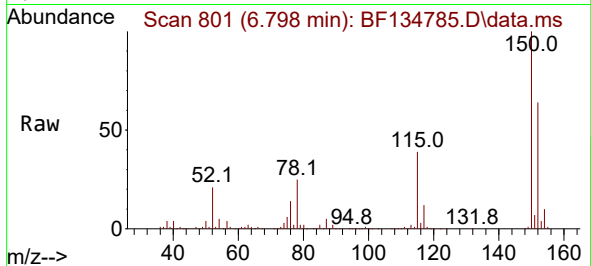




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

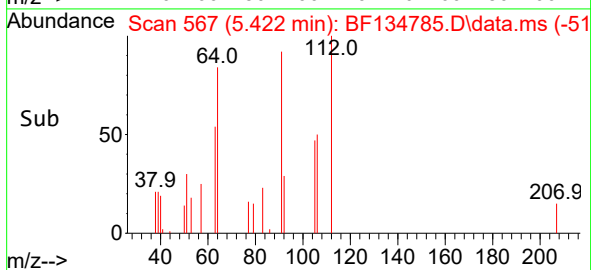
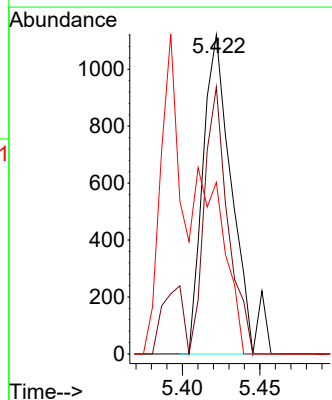
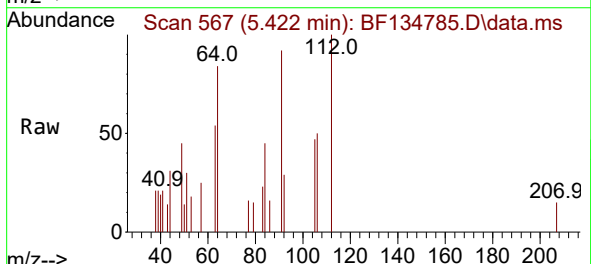
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

Tgt Ion:152 Resp: 169949
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 61.0 52.4 78.6



#5
2-Fluorophenol
Concen: 0.132 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:112 Resp: 1478
Ion Ratio Lower Upper
112 100
64 83.7 44.9 67.3#
63 53.8 25.4 38.0#

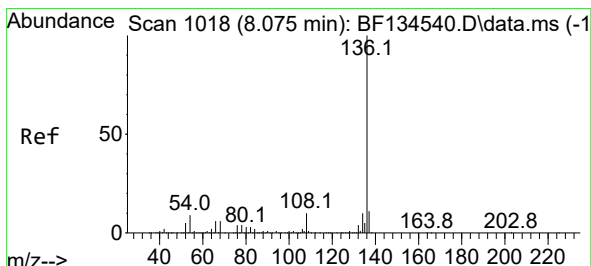
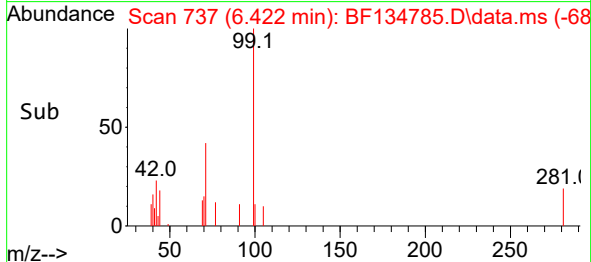
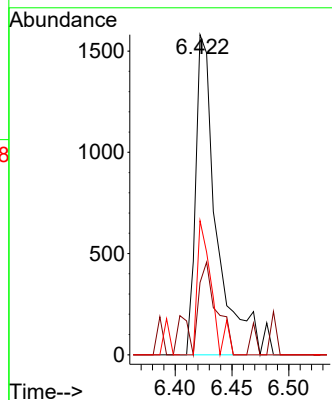
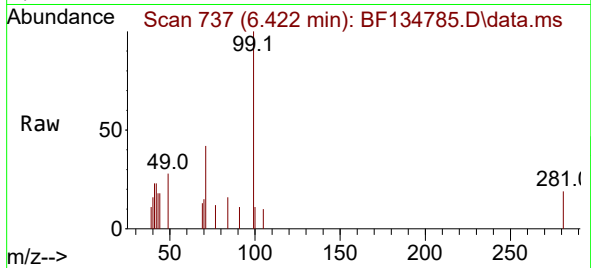




#7
Phenol-d6
Concen: 0.145 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

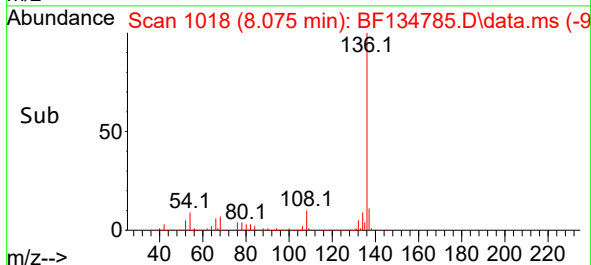
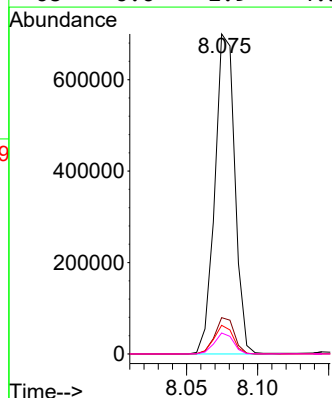
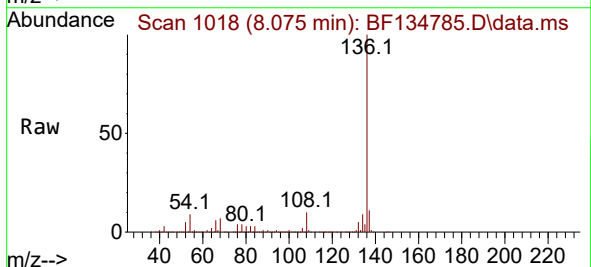
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

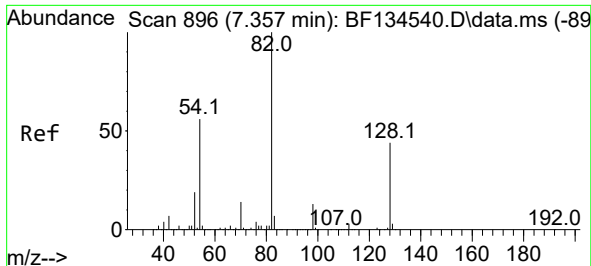
Tgt Ion: 99 Resp: 2077
Ion Ratio Lower Upper
99 100
42 22.6 18.7 28.1
71 41.9 36.4 54.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion: 136 Resp: 685905
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 8.9 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.159 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2

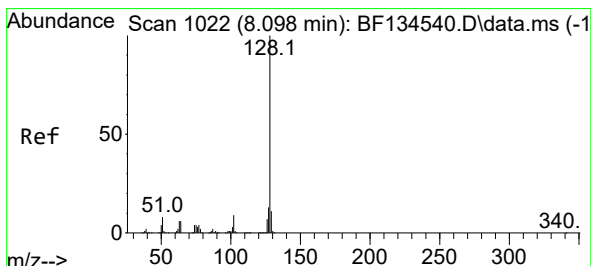
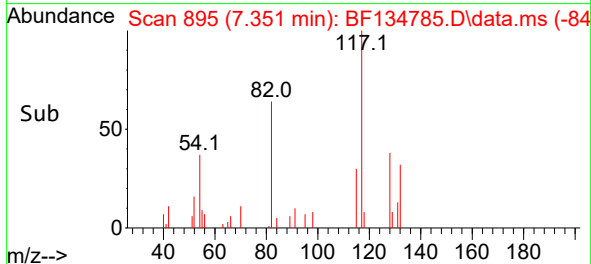
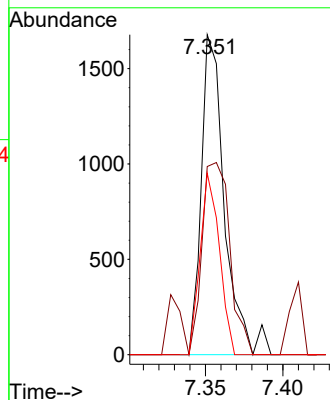
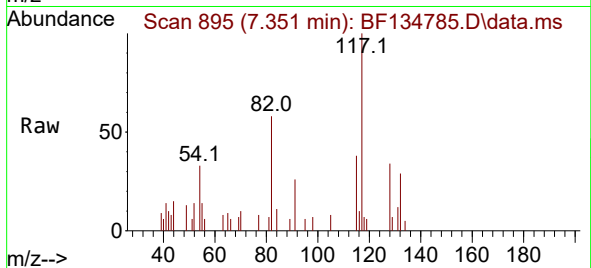
Tgt Ion: 82 Resp: 1749

Ion Ratio Lower Upper

82 100

128 58.8 34.3 51.5#

54 56.7 43.8 65.6



#31

Naphthalene

Concen: 48.732 ng

RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

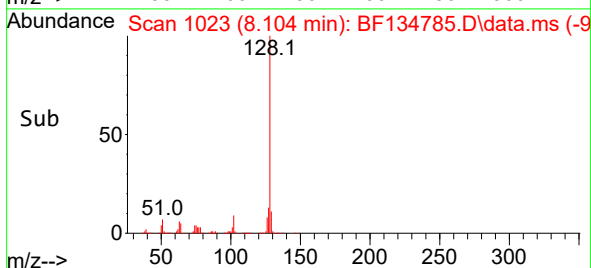
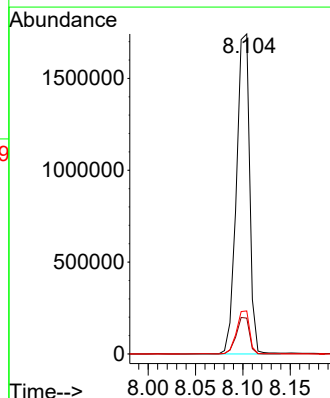
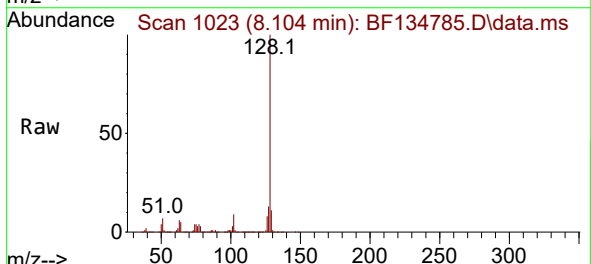
Tgt Ion:128 Resp: 1679916

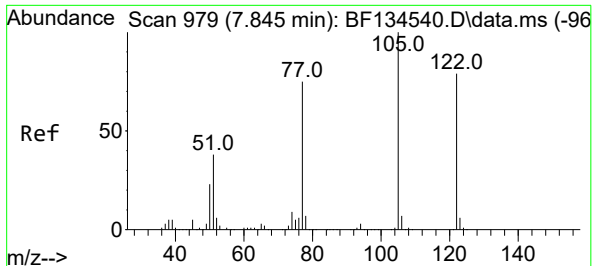
Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

127 13.5 10.7 16.1

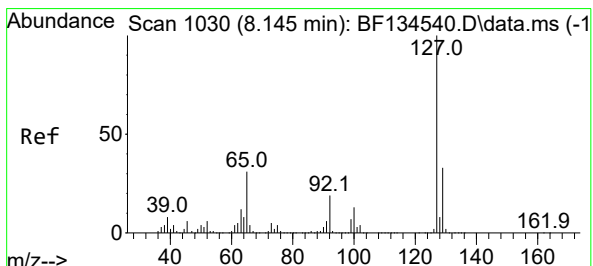
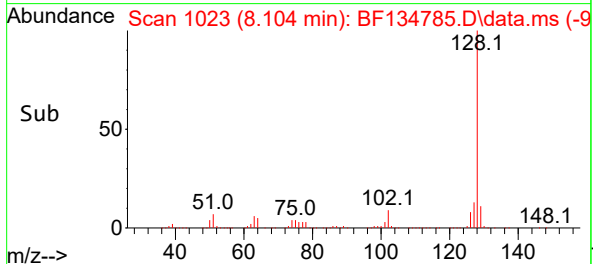
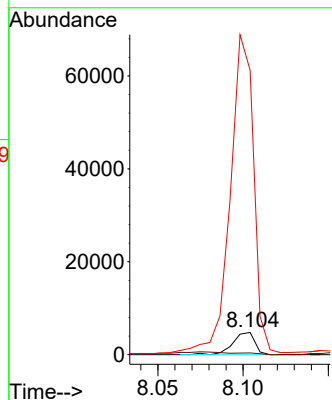
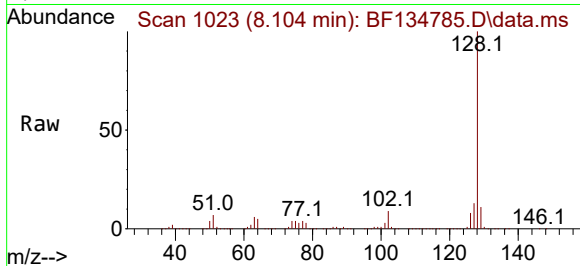




#32
Benzoic acid
Concen: 8.386 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

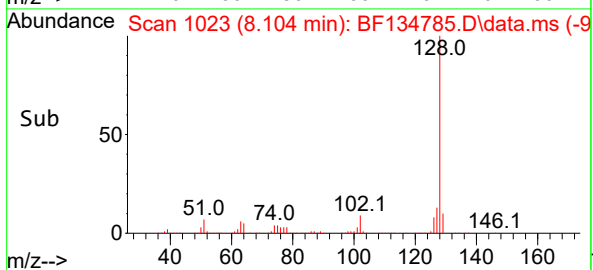
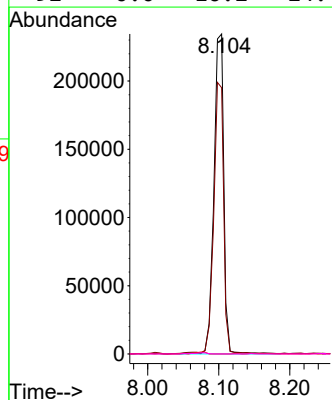
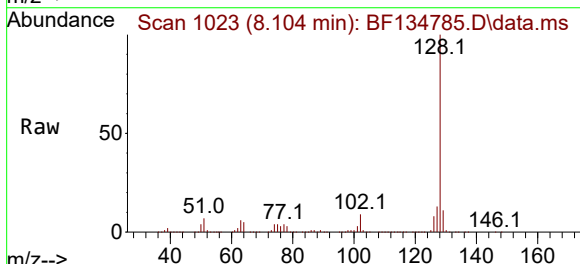
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

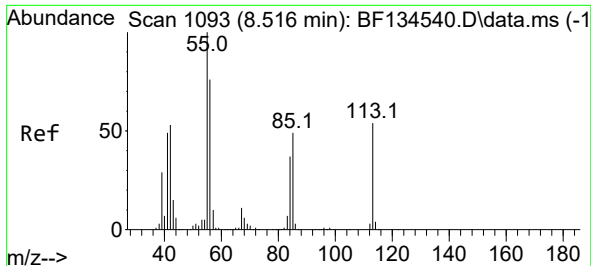
Tgt Ion:122 Resp: 4321
Ion Ratio Lower Upper
122 100
105 7.9 87.5 127.5#
77 1273.0 71.4 111.4#



#33
4-Chloroaniline
Concen: 14.781 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:127 Resp: 227028
Ion Ratio Lower Upper
127 100
129 83.2 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#

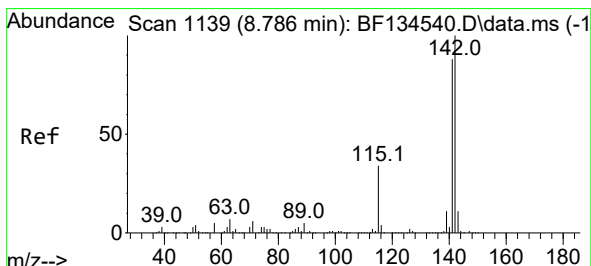
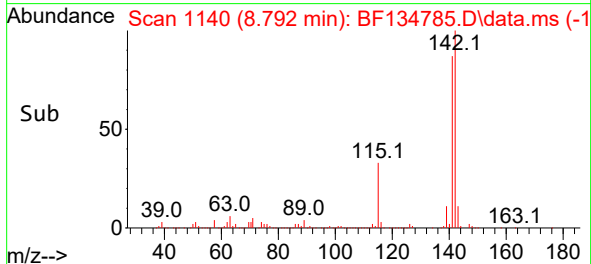
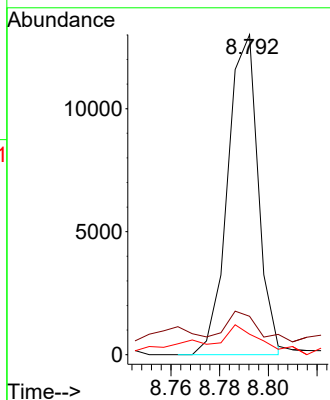
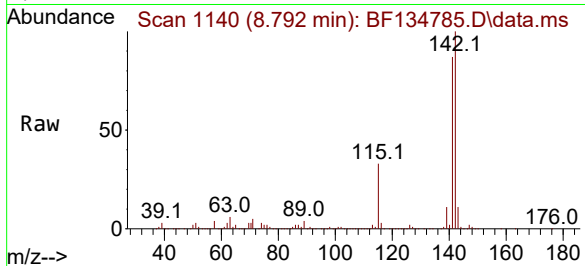




#35
 Caprolactam
 Concen: 3.610 ng
 RT: 8.792 min Scan# 1140
 Delta R.T. 0.259 min
 Lab File: BF134785.D
 Acq: 15 Aug 2023 15:31

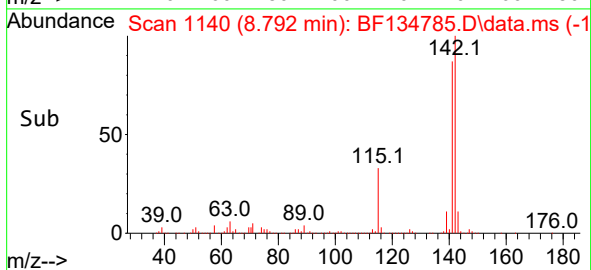
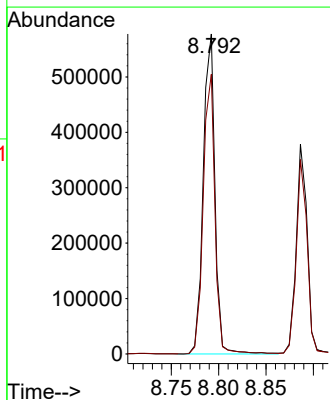
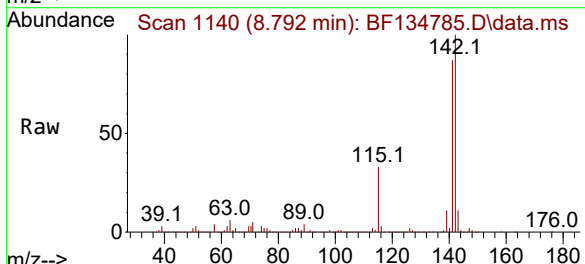
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 NEVINS-SB03-Z10-12DL2

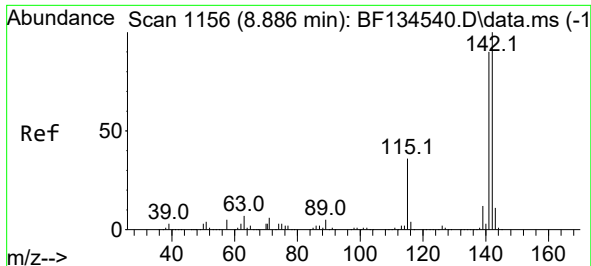
Tgt Ion:113 Resp: 11291
 Ion Ratio Lower Upper
 113 100
 55 12.0 161.5 201.5#
 56 6.4 117.8 157.8#



#37
 2-Methylnaphthalene
 Concen: 21.742 ng
 RT: 8.792 min Scan# 1140
 Delta R.T. 0.000 min
 Lab File: BF134785.D
 Acq: 15 Aug 2023 15:31

Tgt Ion:142 Resp: 496802
 Ion Ratio Lower Upper
 142 100
 141 87.4 70.8 106.2

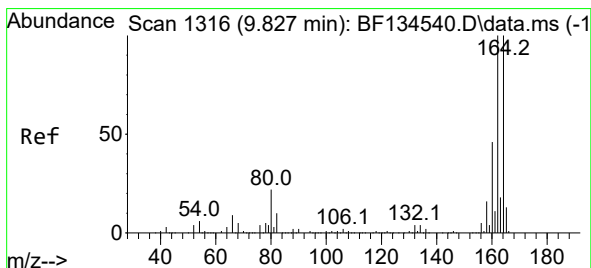
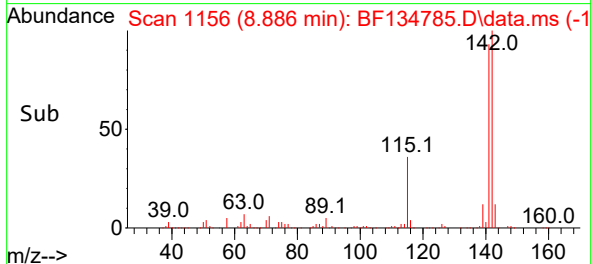
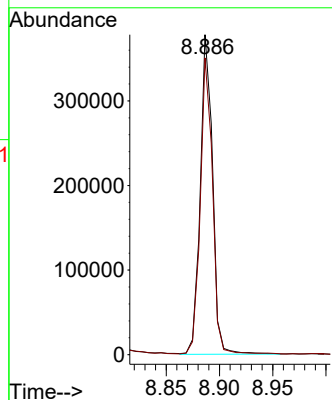
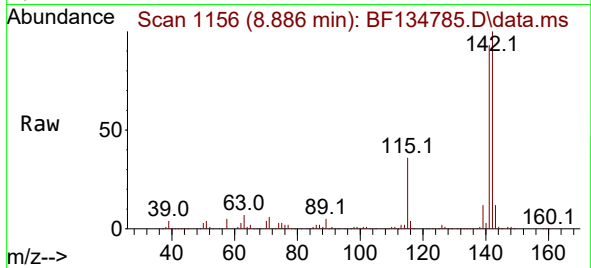




#38
1-Methylnaphthalene
Concen: 14.374 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

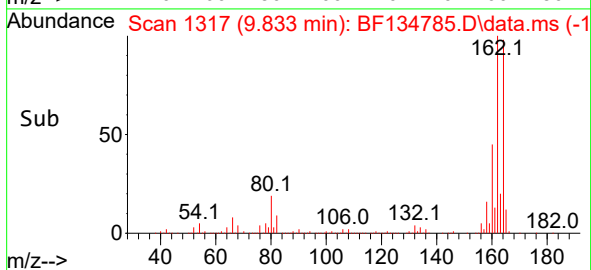
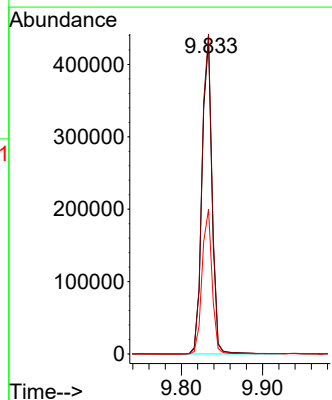
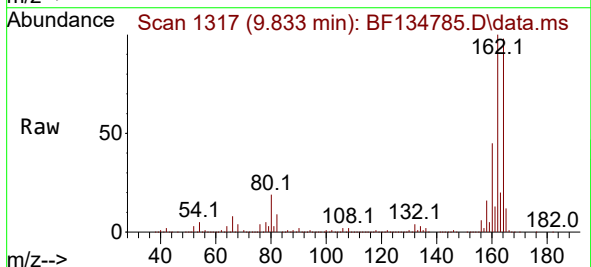
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

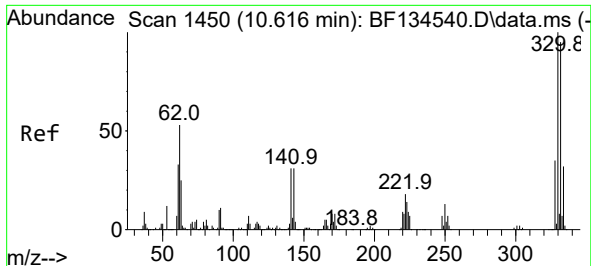
Tgt Ion:142 Resp: 305416
Ion Ratio Lower Upper
142 100
141 92.7 71.4 107.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:164 Resp: 371033
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 46.2 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 0.163 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134785.D

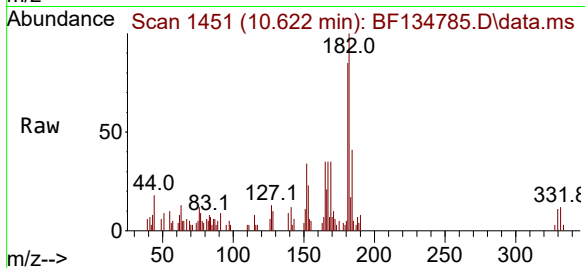
Acq: 15 Aug 2023 15:31

Instrument :

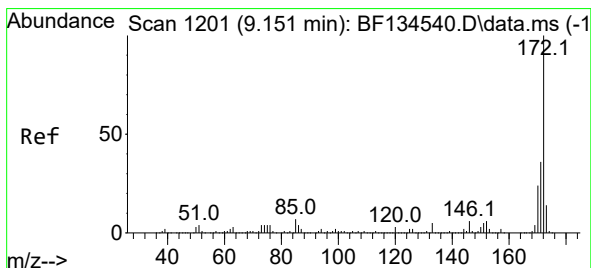
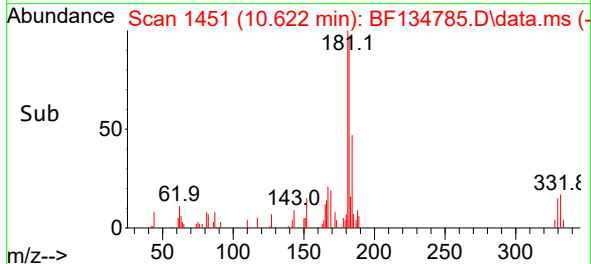
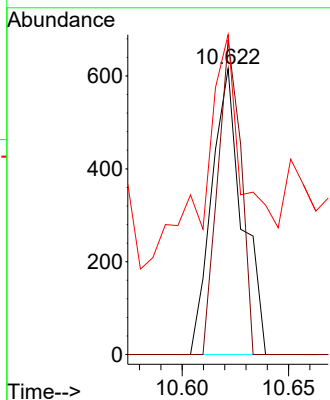
BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2



Tgt Ion:	330	Resp:	617
Ion Ratio	Lower	Upper	
330	100		
332	83.1	78.8	118.2
141	93.5	25.4	38.2#



#45

2-Fluorobiphenyl

Concen: 0.202 ng

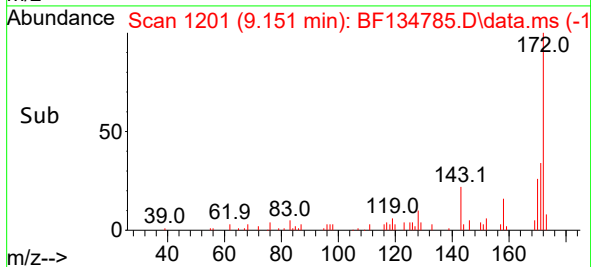
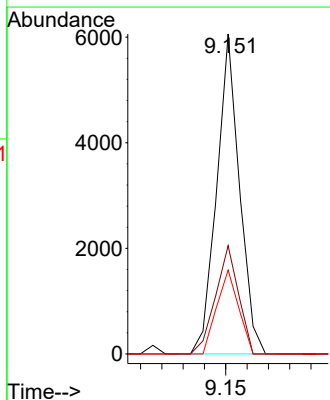
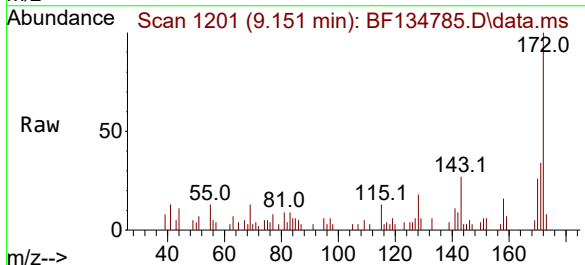
RT: 9.151 min Scan# 1201

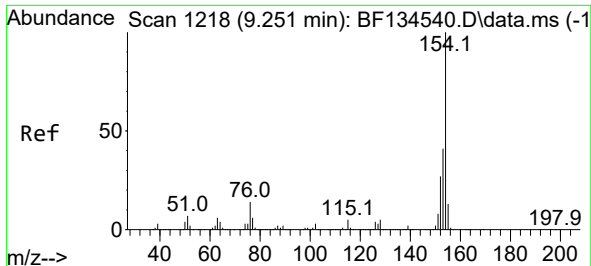
Delta R.T. -0.012 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Tgt Ion:	172	Resp:	4497
Ion Ratio	Lower	Upper	
172	100		
171	33.9	28.8	43.2
170	26.2	18.7	28.1





#46

1,1'-Biphenyl

Concen: 2.664 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2

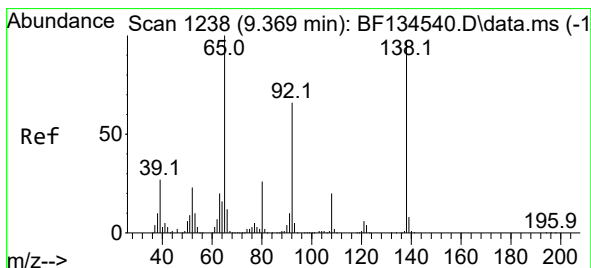
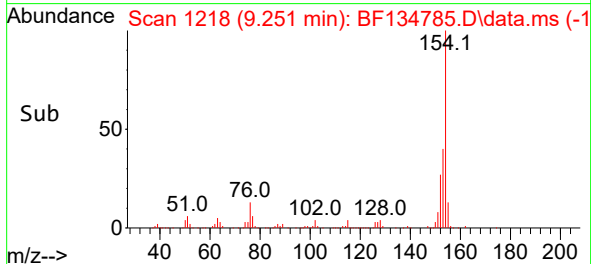
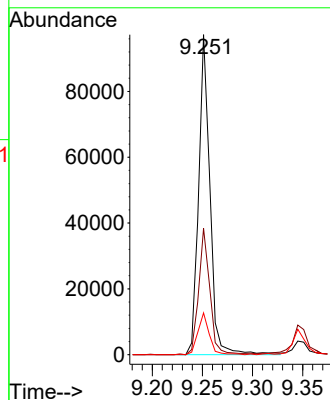
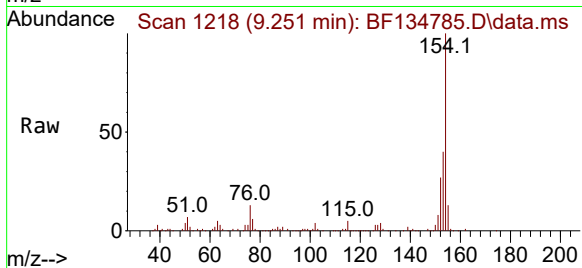
Tgt Ion:154 Resp: 76877

Ion Ratio Lower Upper

154 100

153 39.5 20.8 60.8

76 13.0 0.0 30.2



#48

2-Nitroaniline

Concen: 3.483 ng

RT: 9.416 min Scan# 1246

Delta R.T. 0.035 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

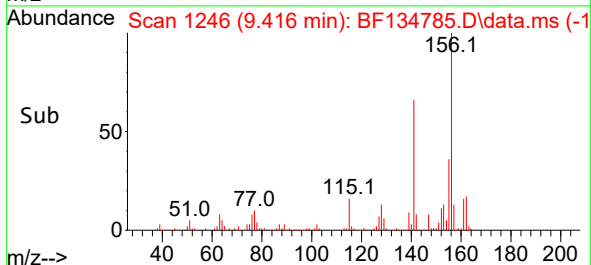
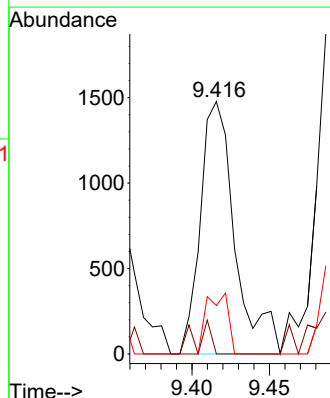
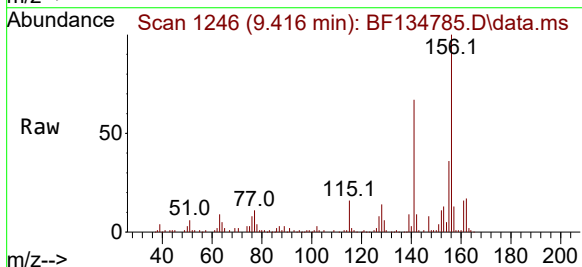
Tgt Ion: 65 Resp: 2289

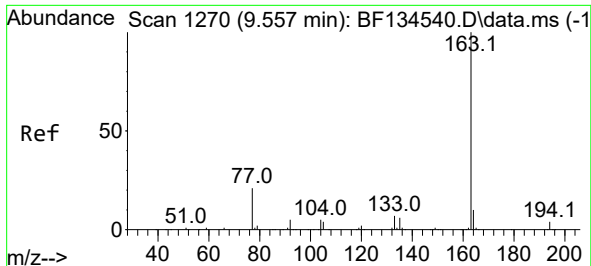
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 19.2 78.2 117.4#

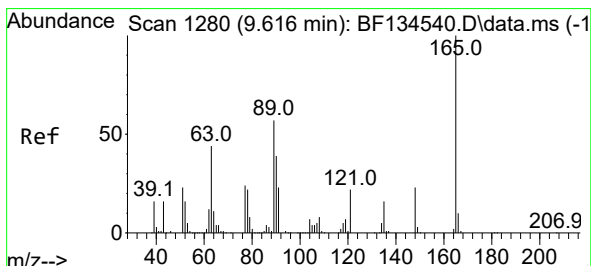
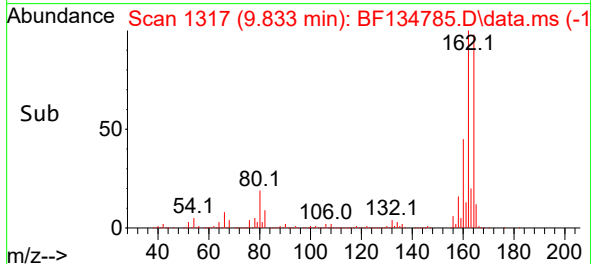
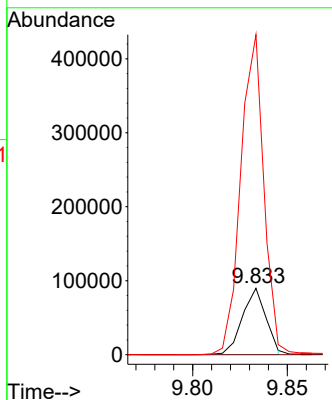
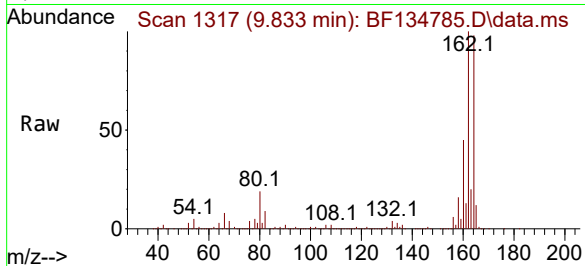




#50
Dimethylphthalate
Concen: 3.096 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

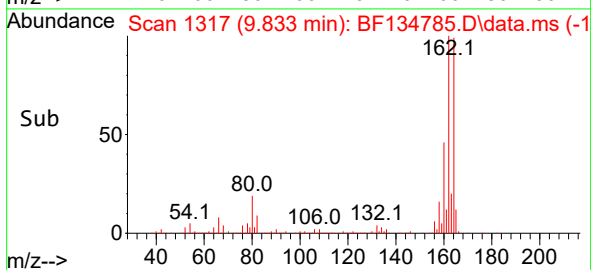
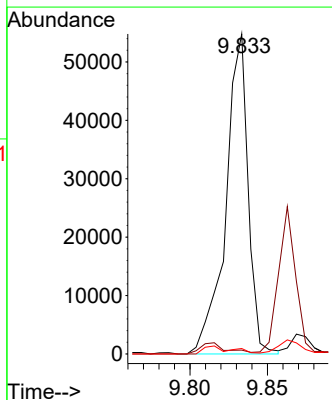
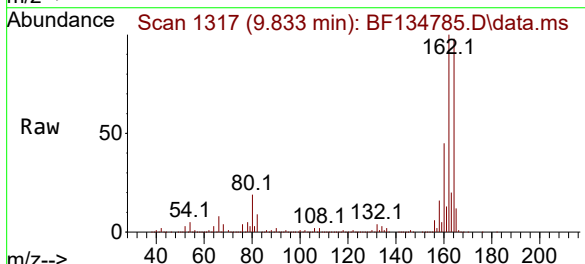
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

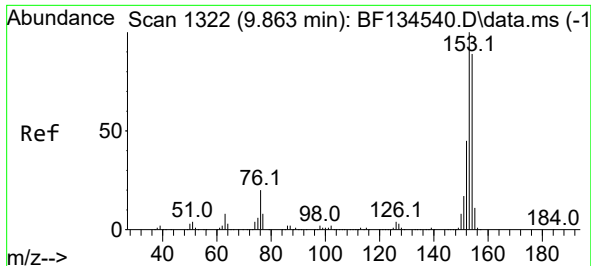
Tgt Ion:163 Resp: 78298
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 482.1 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 12.525 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:165 Resp: 54815
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.7 51.8 77.8#

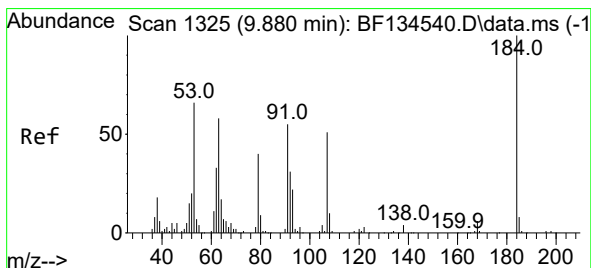
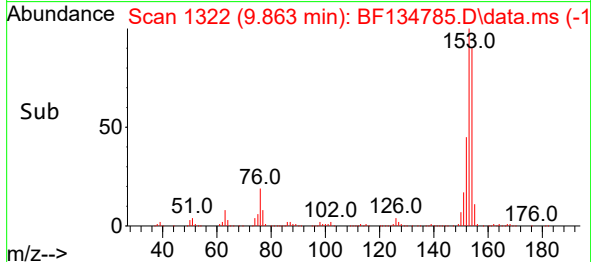
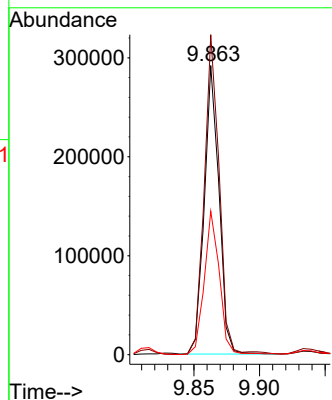
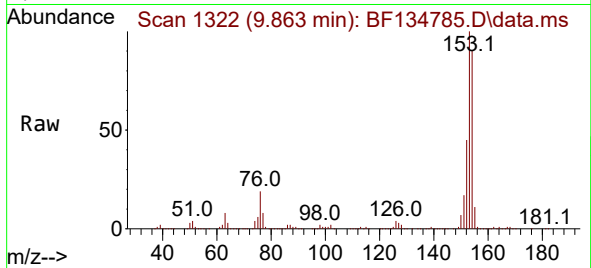




#52
Acenaphthene
Concen: 10.337 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

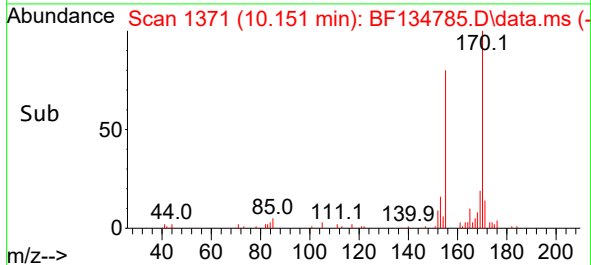
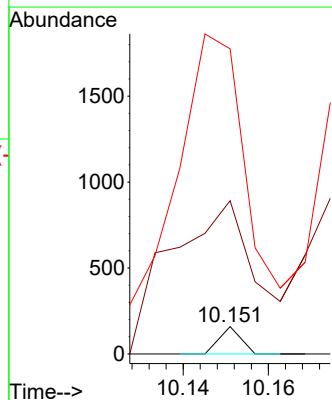
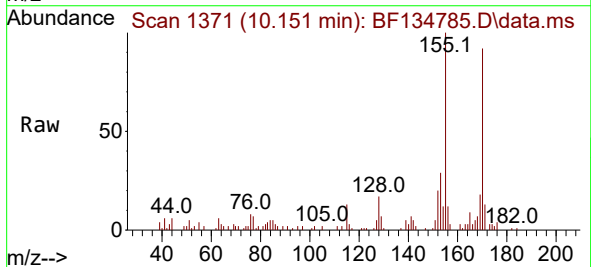
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

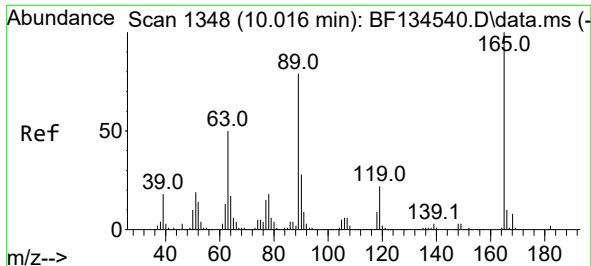
Tgt Ion:154 Resp: 227643
Ion Ratio Lower Upper
154 100
153 110.7 90.0 135.0
152 49.6 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.817 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.253 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 561.0 57.1 85.7#
154 1116.4 59.1 88.7#

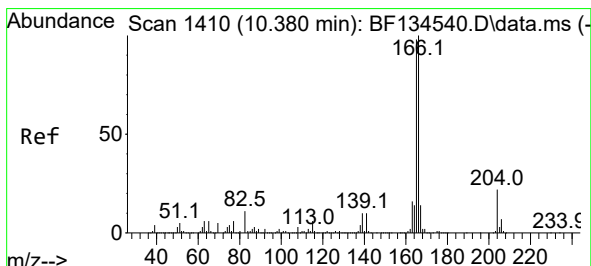
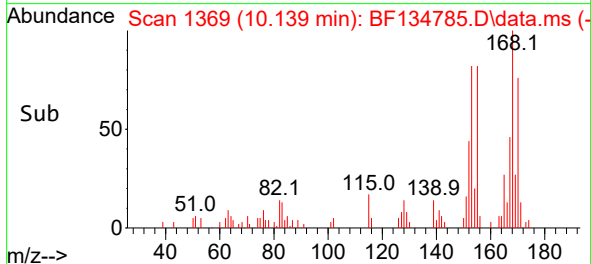
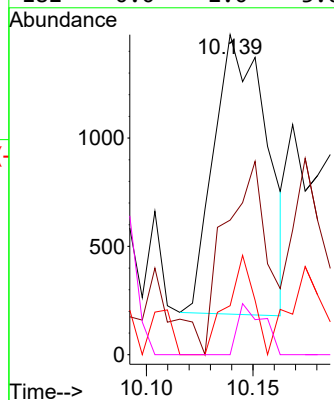
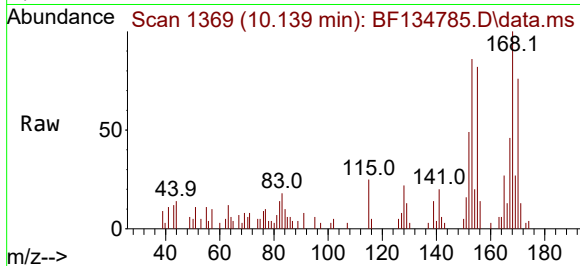




#57
2,4-Dinitrotoluene
Concen: 3.185 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.112 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

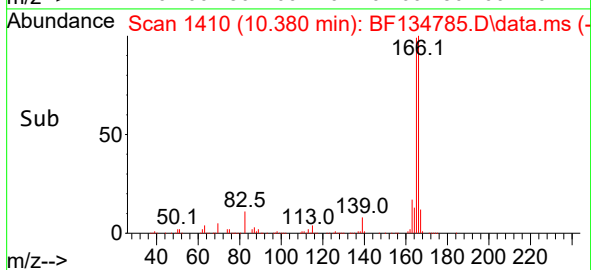
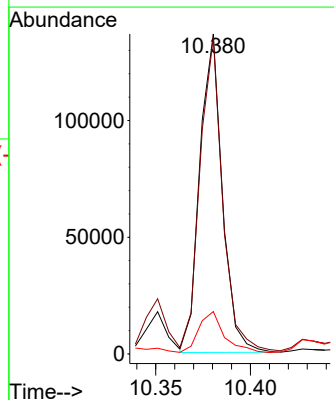
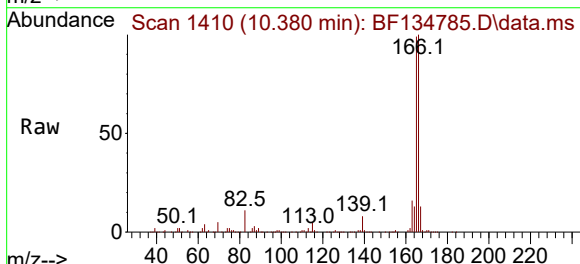
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

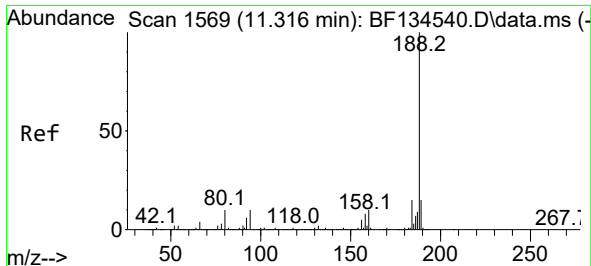
Tgt Ion:165 Resp: 2225
Ion Ratio Lower Upper
165 100
63 42.0 48.9 73.3#
89 15.3 61.7 92.5#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 4.962 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:166 Resp: 113305
Ion Ratio Lower Upper
166 100
165 98.9 74.5 111.7
167 13.2 10.6 16.0

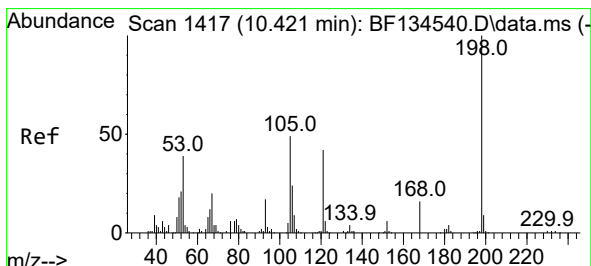
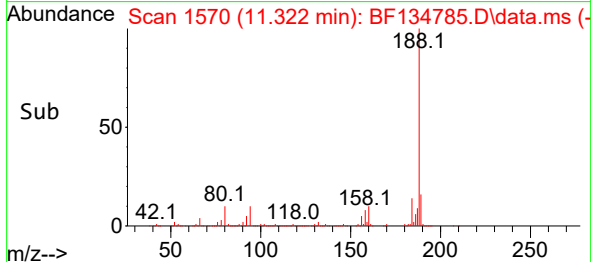
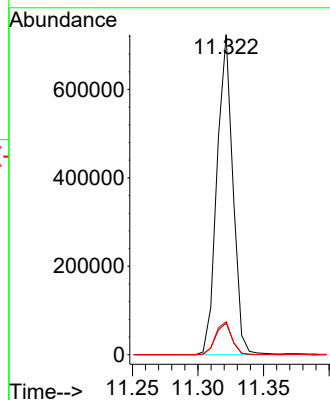
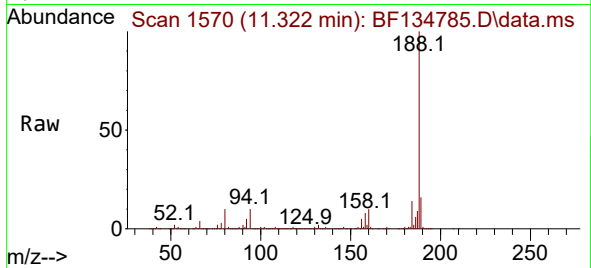




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

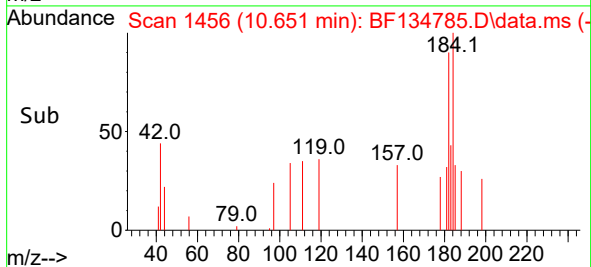
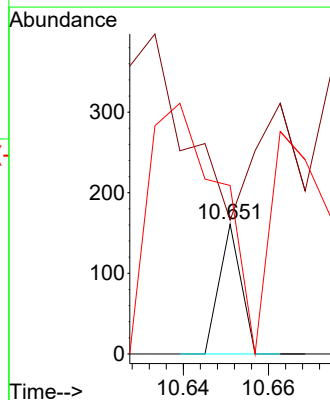
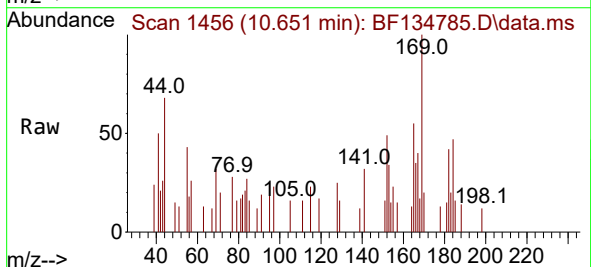
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

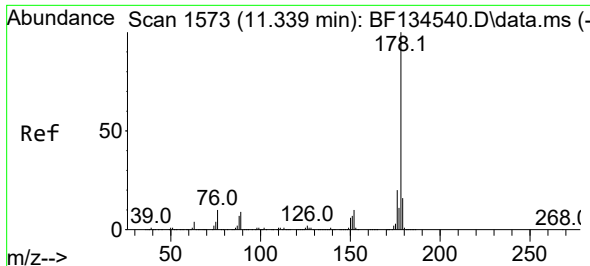
Tgt Ion:188 Resp: 611016
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7#
80 10.3 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.718 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.212 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 103.1 38.6 78.6#
105 129.8 27.9 67.9#

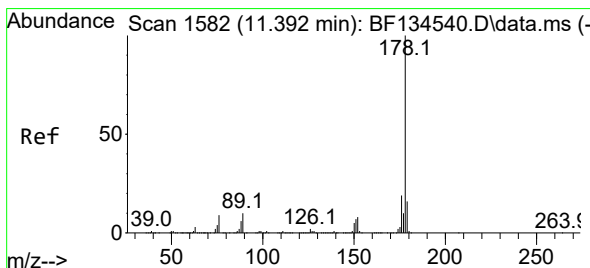
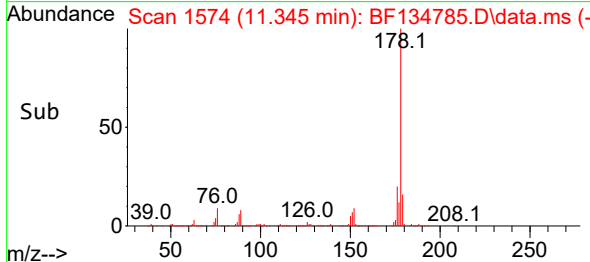
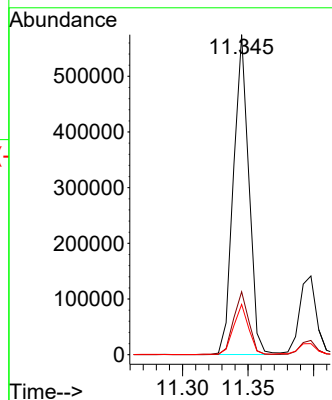
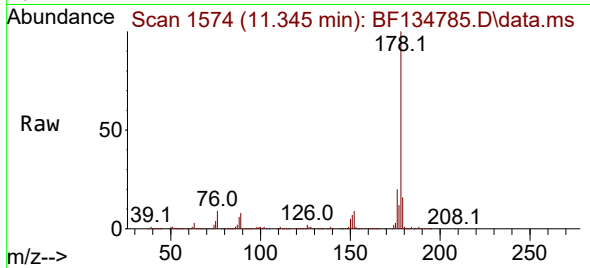




#71
Phenanthrene
Concen: 14.452 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

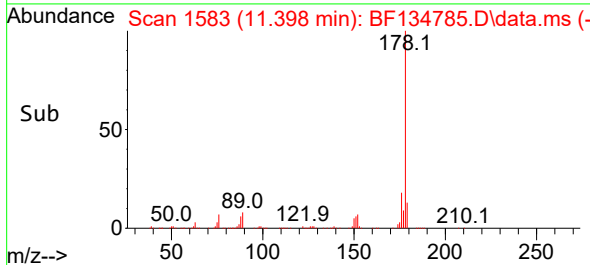
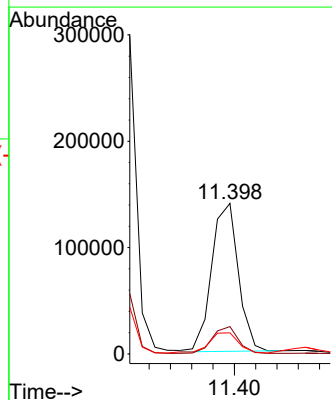
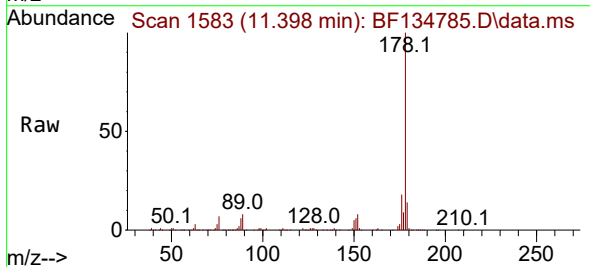
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

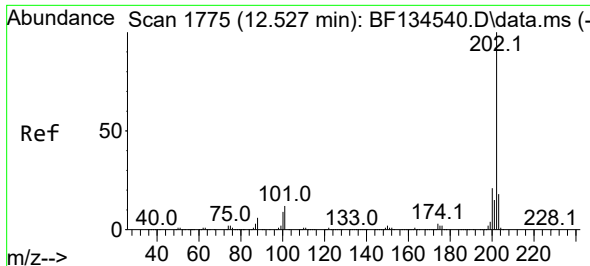
Tgt Ion:178 Resp: 469028
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.7 12.7 19.1



#72
Anthracene
Concen: 3.669 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:178 Resp: 121628
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 14.1 12.3 18.5

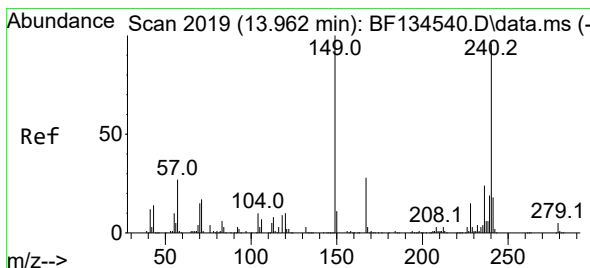
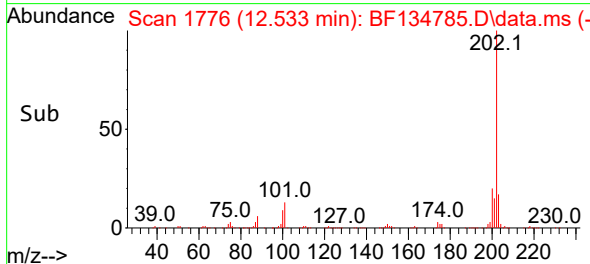
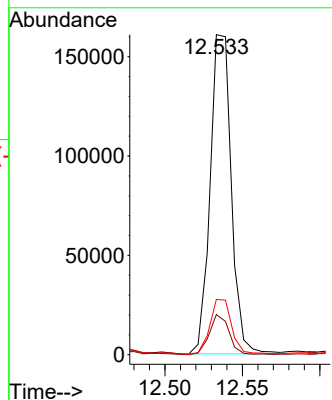
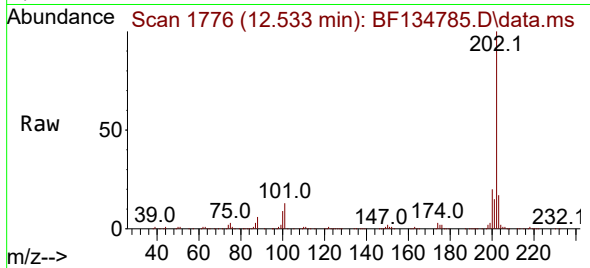




#75
Fluoranthene
Concen: 4.457 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

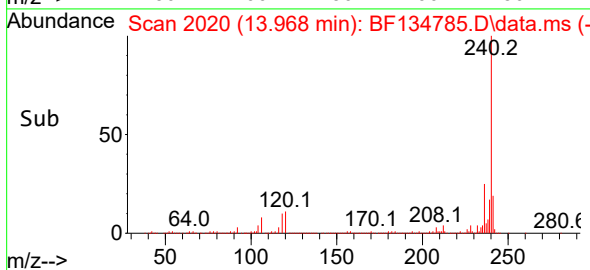
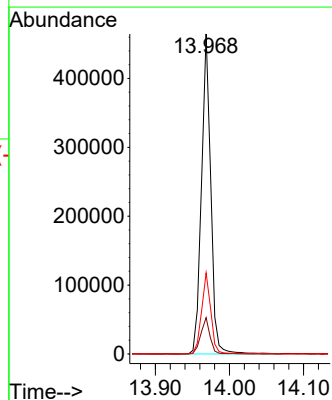
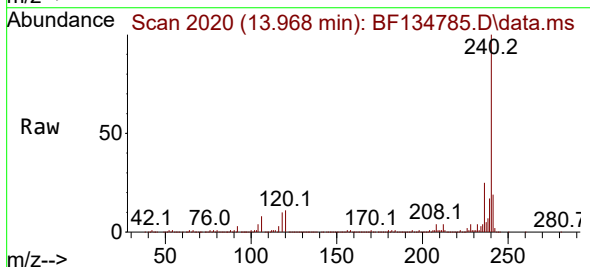
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

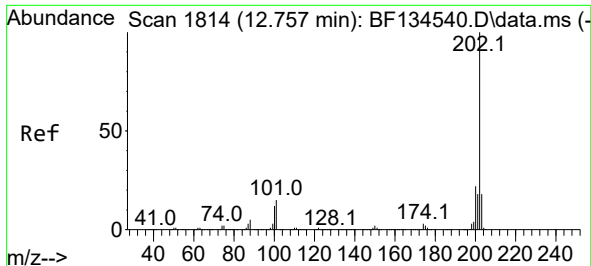
Tgt Ion:202 Resp: 152794
Ion Ratio Lower Upper
202 100
101 12.5 0.0 28.5
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:240 Resp: 407349
Ion Ratio Lower Upper
240 100
120 11.4 6.6 10.0#
236 25.4 20.2 30.2

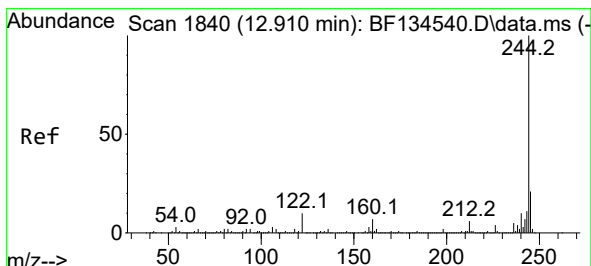
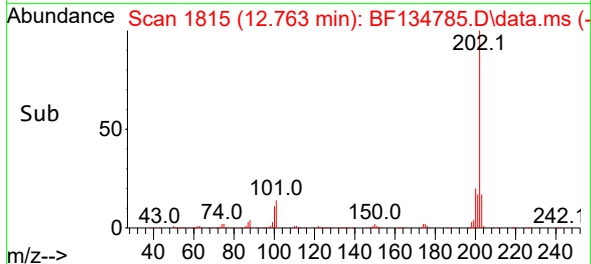
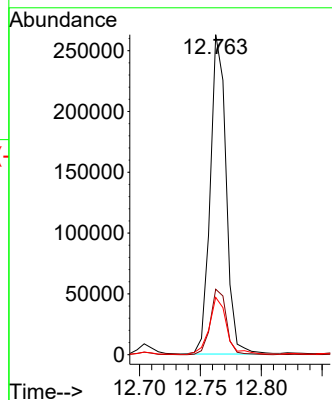
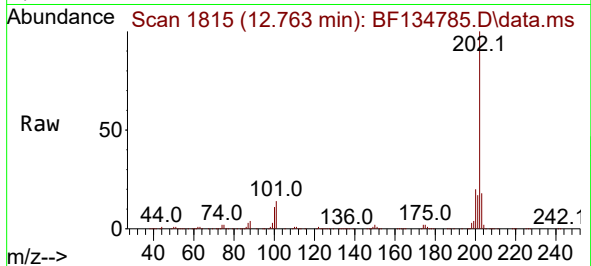




#78
Pyrene
Concen: 6.762 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

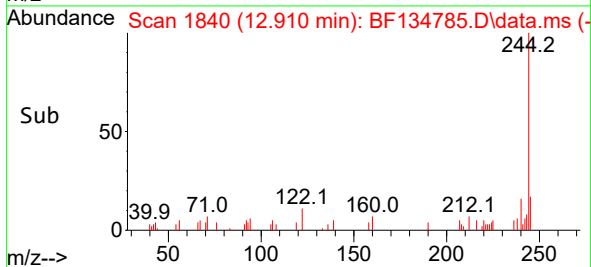
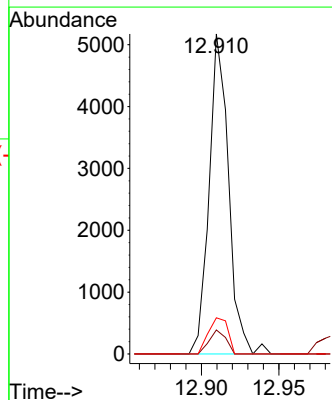
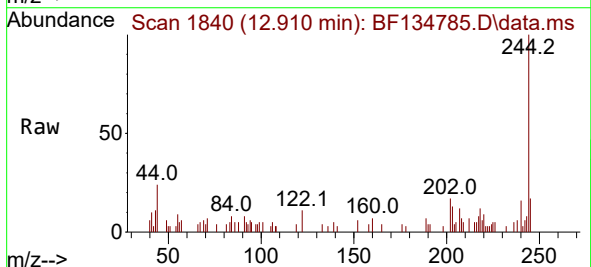
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

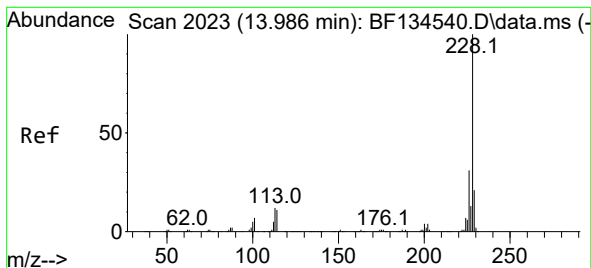
Tgt Ion:202 Resp: 238361
Ion Ratio Lower Upper
202 100
200 20.5 15.8 23.8
203 17.9 13.5 20.3



#79
Terphenyl-d14
Concen: 0.196 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:244 Resp: 4524
Ion Ratio Lower Upper
244 100
212 7.5 5.6 8.4
122 11.3 8.0 12.0





#83

Chrysene

Concen: 2.050 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2

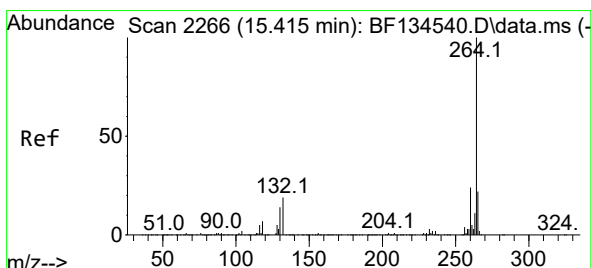
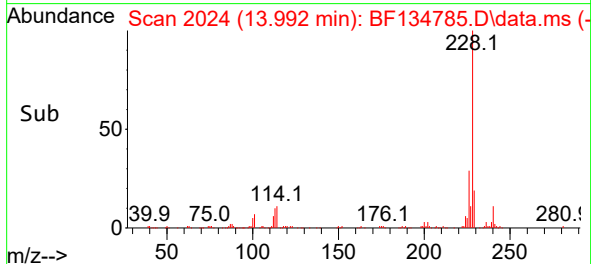
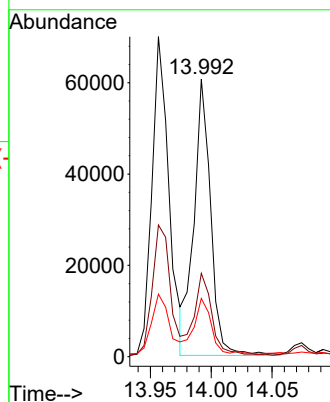
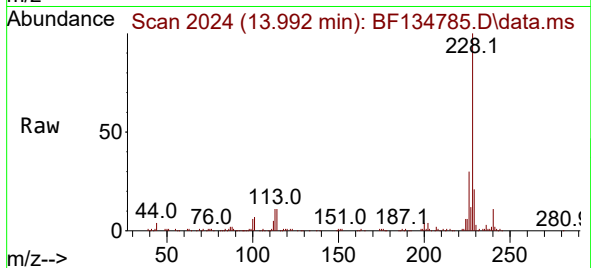
Tgt Ion:228 Resp: 58174

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 21.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

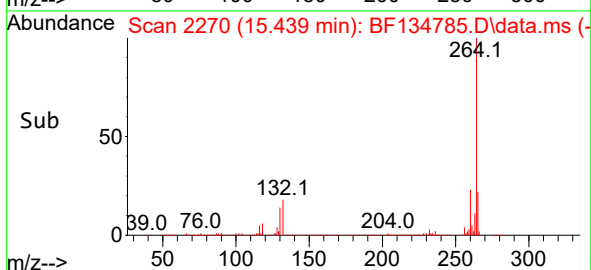
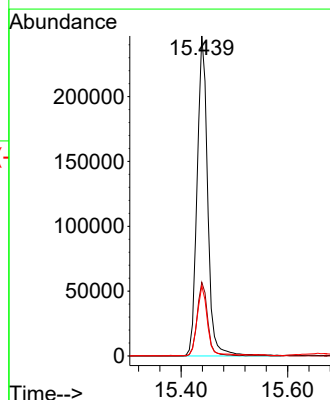
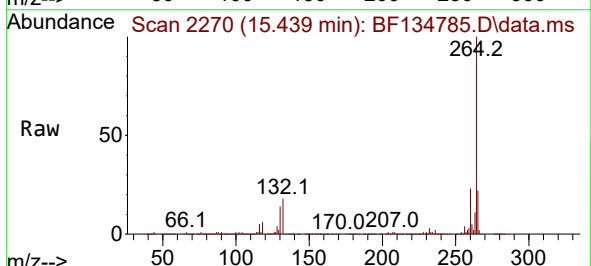
Tgt Ion:264 Resp: 339169

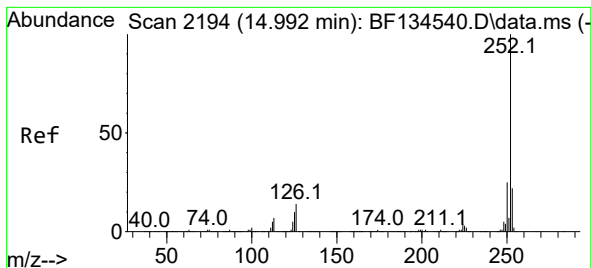
Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 21.8 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.321 ng

RT: 15.009 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2

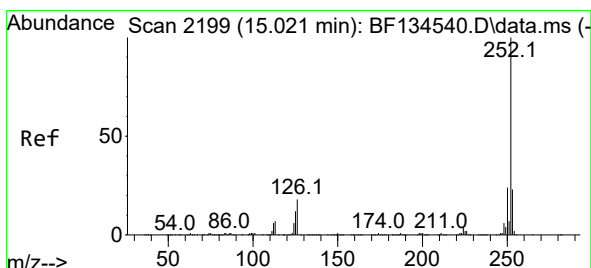
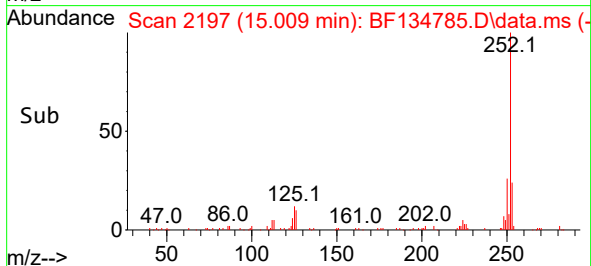
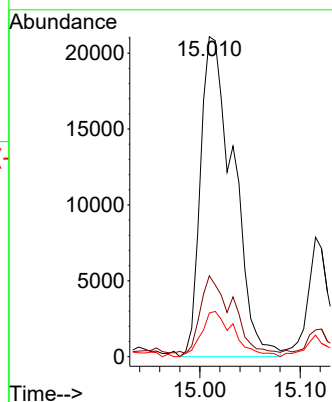
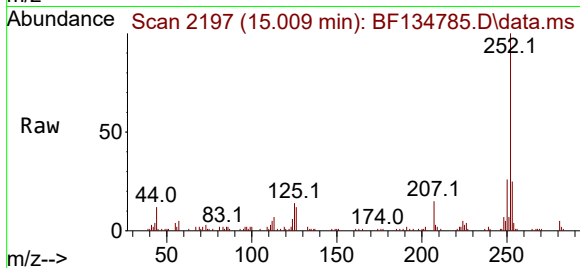
Tgt Ion:252 Resp: 48010

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

125 13.7 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.330 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

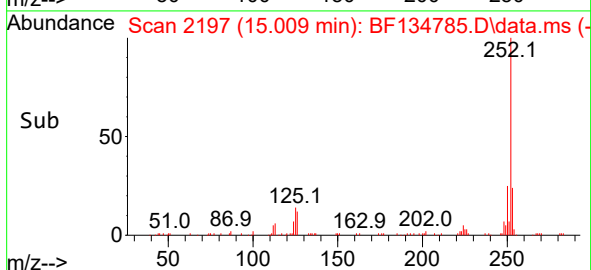
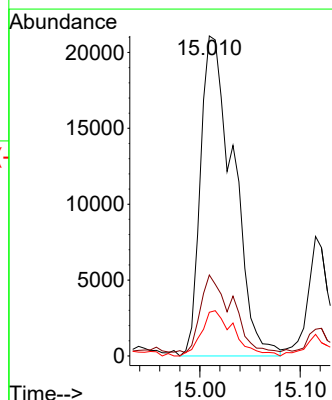
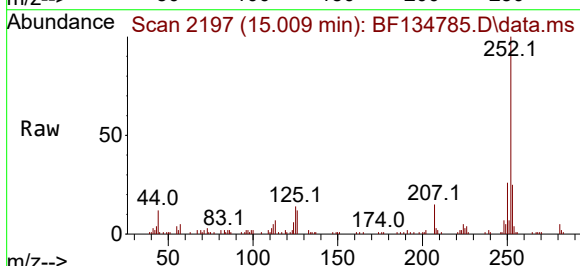
Tgt Ion:252 Resp: 48010

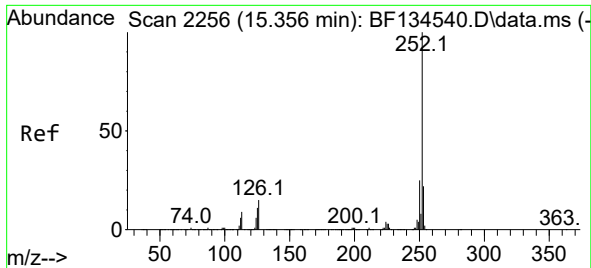
Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

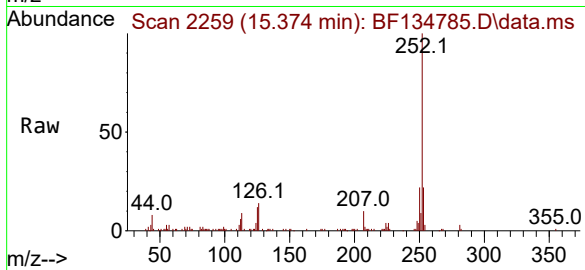
125 13.7 6.3 9.5#





#90
Benzo(a)pyrene
Concen: 2.188 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2



Tgt Ion:252 Resp: 42209
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.4
125 12.3 6.2 9.4#

