

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134780.D
 Acq On : 15 Aug 2023 11:56
 Operator : CG\JU
 Sample : 03975-03DL 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z46-47DL

Quant Time: Aug 16 03:09:49 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)

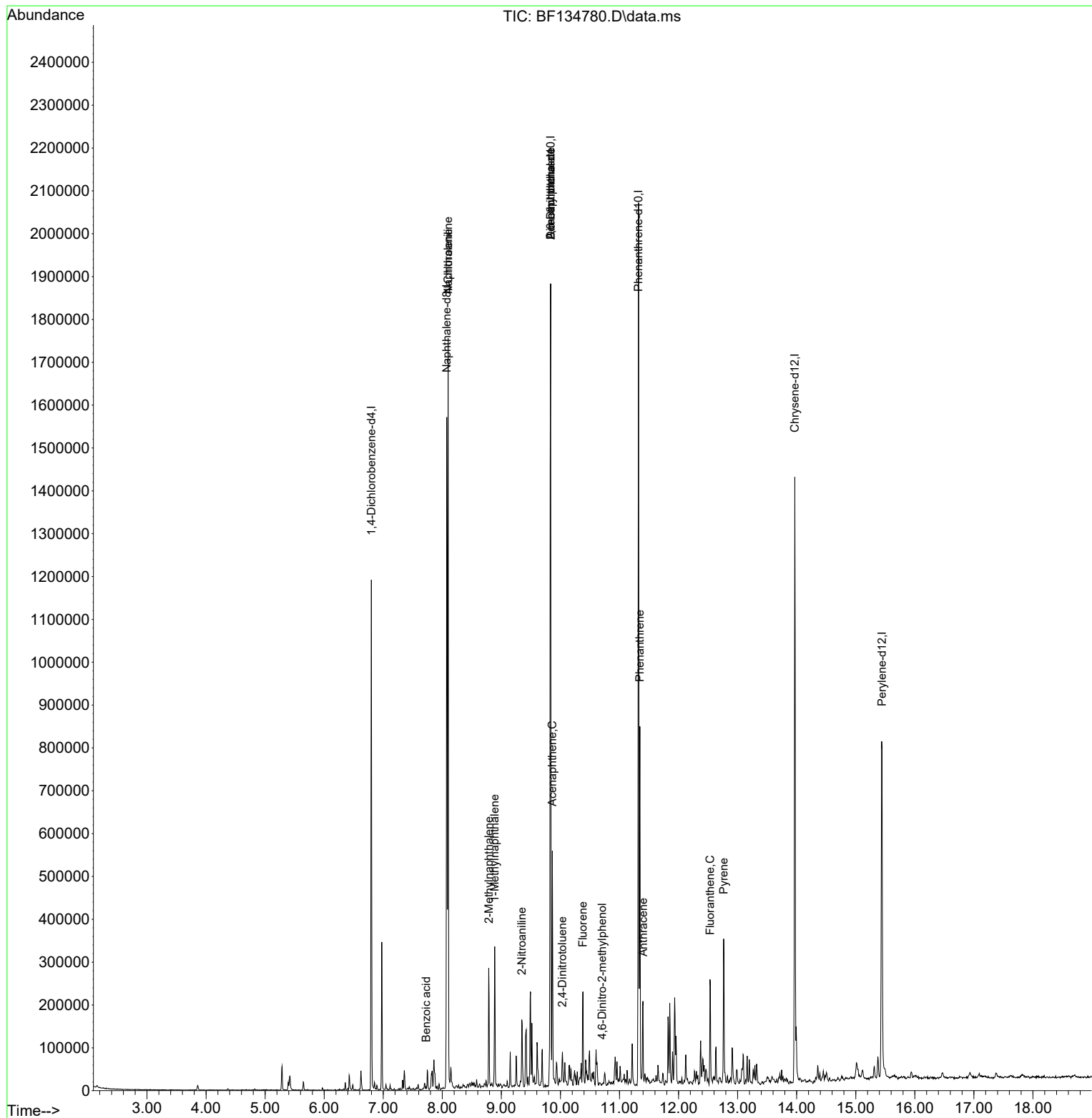
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	162704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	670683	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	366702	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	694711	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	454564	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	409547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	10322	0.964	ng	0.00
7) Phenol-d6	6.422	99	13495	0.986	ng	-0.02
23) Nitrobenzene-d5	7.351	82	8325	0.776	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	4149	1.110	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	21650	0.982	ng	-0.01
79) Terphenyl-d14	12.910	244	27414	1.063	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	756	Below Cal	#	1
31) Naphthalene	8.098	128	690643	20.489	ng	99
32) Benzoic acid	7.728	122	62	7.875	ng	# 1
33) 4-Chloroaniline	8.098	127	90706	6.039	ng	# 33
37) 2-Methylnaphthalene	8.786	142	72292	3.236	ng	98
38) 1-Methylnaphthalene	8.886	142	79302	3.817	ng	95
48) 2-Nitroaniline	9.345	65	1081	3.318	ng	# 24
50) Dimethylphthalate	9.833	163	76689	3.068	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	51002	11.937	ng	# 17
52) Acenaphthene	9.863	154	100322	4.609	ng	98
57) 2,4-Dinitrotoluene	10.033	165	2672	3.257	ng	# 41
58) Fluorene	10.380	166	57099	2.530	ng	93
65) 4,6-Dinitro-2-methylph...	10.704	198	113	8.732	ng	# 30
71) Phenanthrene	11.345	178	278653	7.552	ng	98
72) Anthracene	11.398	178	76725	2.036	ng	99
75) Fluoranthene	12.533	202	96752	2.482	ng	97
78) Pyrene	12.763	202	138586	3.523	ng	98

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

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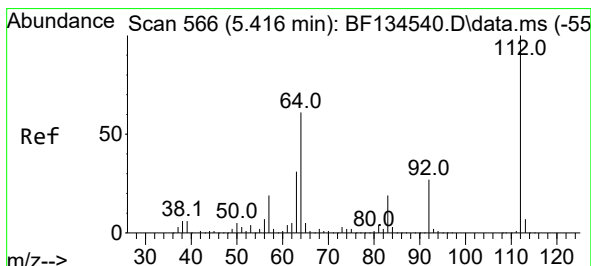
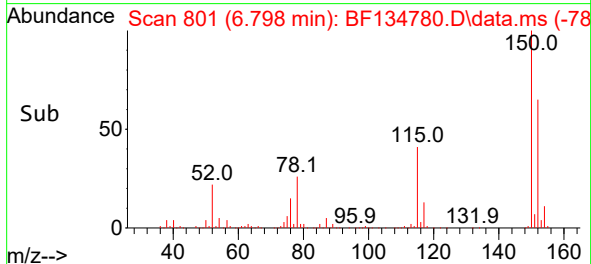
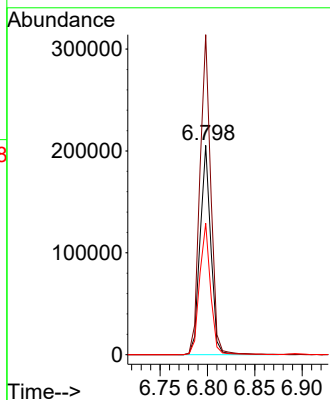
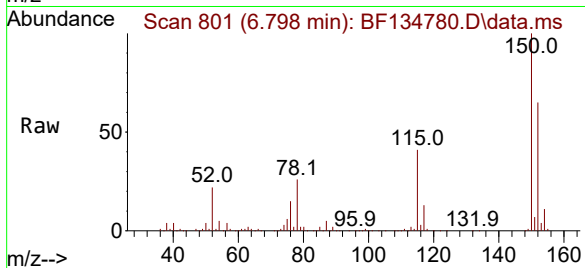




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF134780.D
 Acq: 15 Aug 2023 11:56

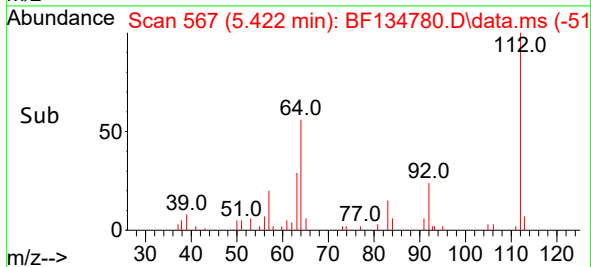
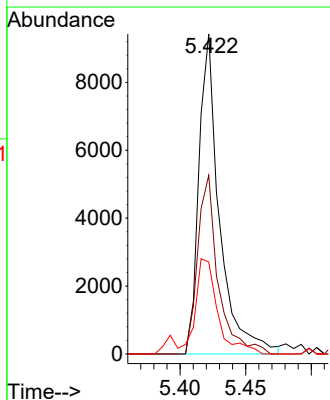
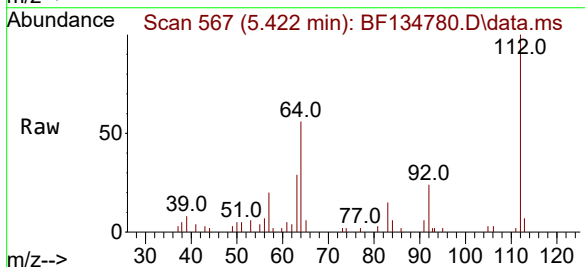
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z46-47DL

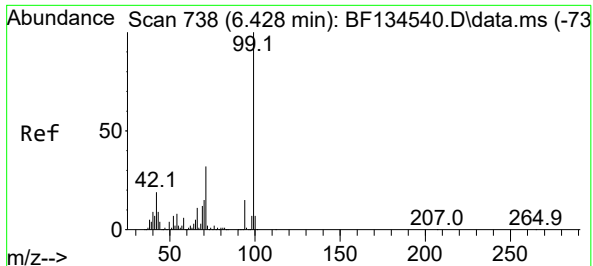
Tgt Ion:152 Resp: 162704
 Ion Ratio Lower Upper
 152 100
 150 152.9 128.3 192.5
 115 62.7 52.4 78.6



#5
 2-Fluorophenol
 Concen: 0.964 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134780.D
 Acq: 15 Aug 2023 11:56

Tgt Ion:112 Resp: 10322
 Ion Ratio Lower Upper
 112 100
 64 55.9 44.9 67.3
 63 28.8 25.4 38.0

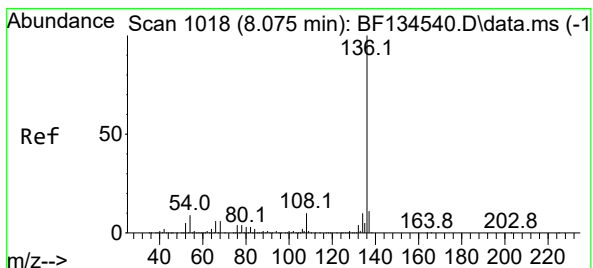
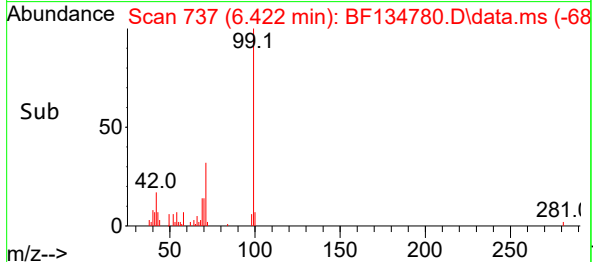
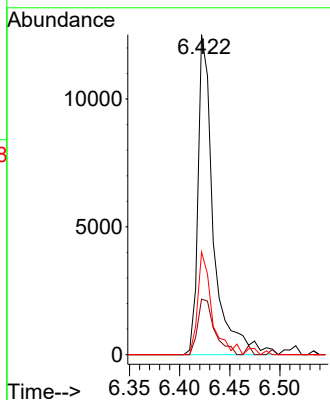
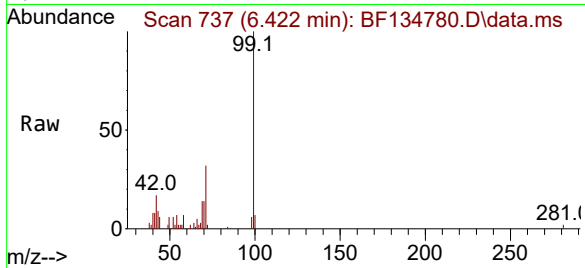




#7
Phenol-d6
Concen: 0.986 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

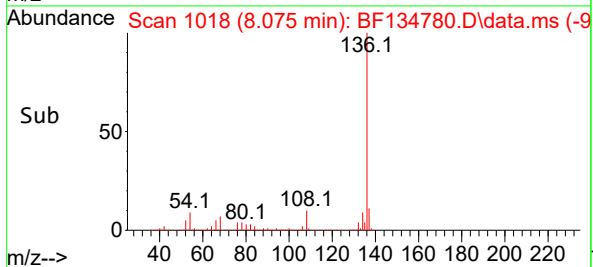
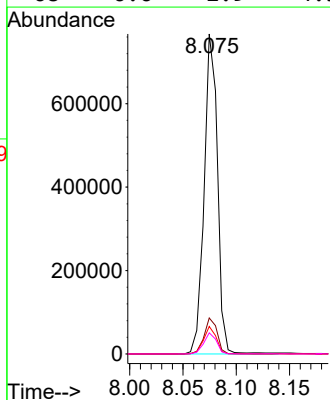
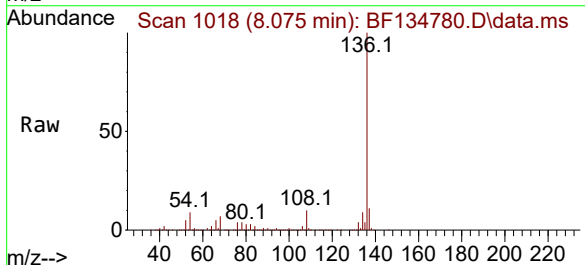
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

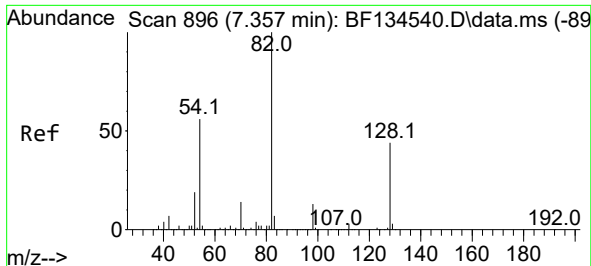
Tgt Ion: 99 Resp: 13495
Ion Ratio Lower Upper
99 100
42 17.3 18.7 28.1#
71 32.1 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion: 136 Resp: 670683
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.6 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.776 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134780.D

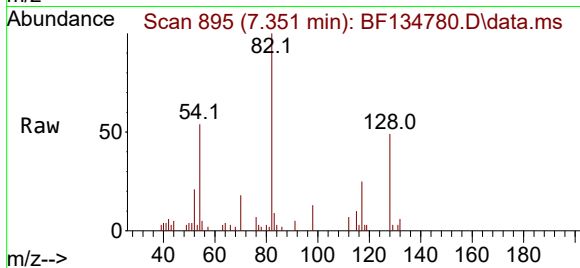
Acq: 15 Aug 2023 11:56

Instrument :

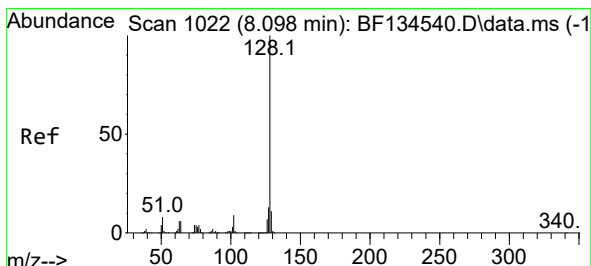
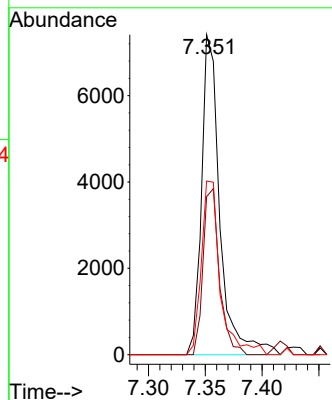
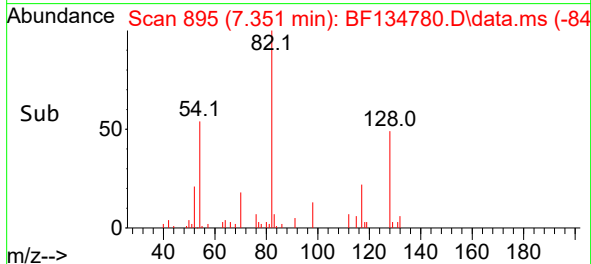
BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL



Tgt Ion:	82	Resp:	8325
Ion	Ratio	Lower	Upper
82	100		
128	49.3	34.3	51.5
54	54.2	43.8	65.6



#31

Naphthalene

Concen: 20.489 ng

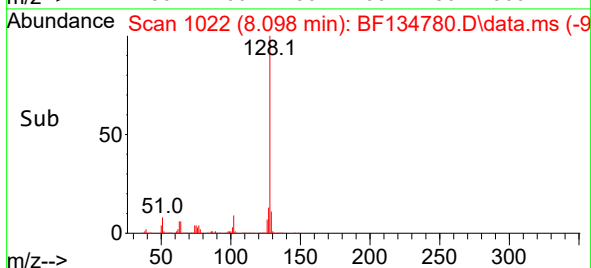
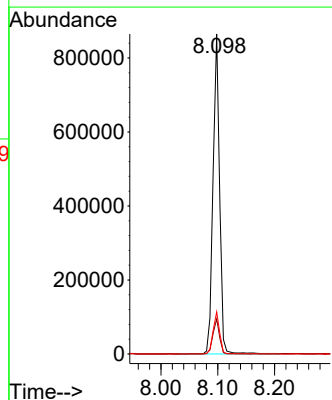
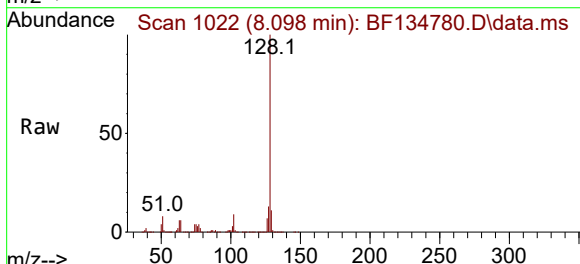
RT: 8.098 min Scan# 1022

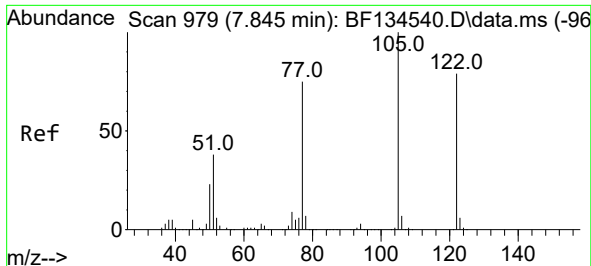
Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Tgt Ion:	128	Resp:	690643
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.2	10.7	16.1

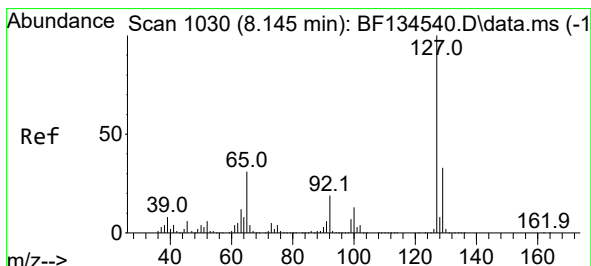
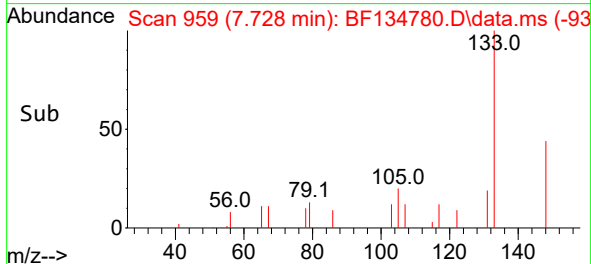
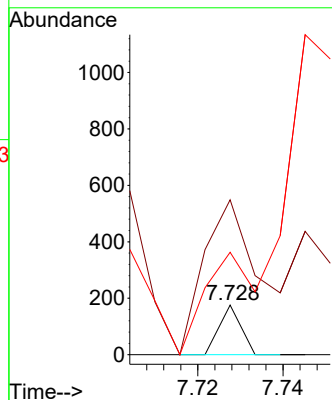
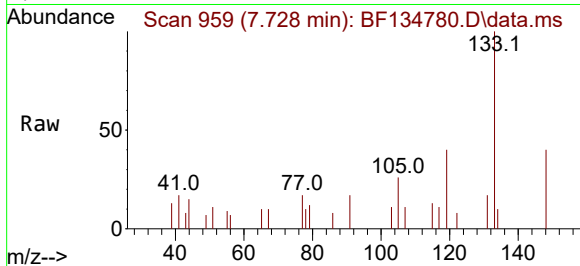




#32
Benzoic acid
Concen: 7.875 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.135 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

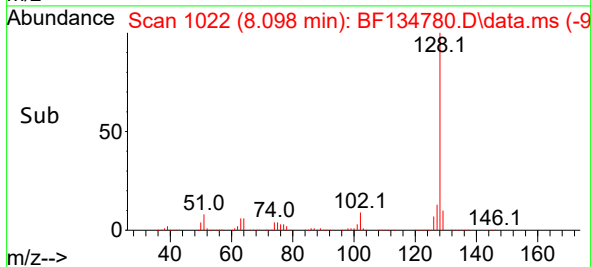
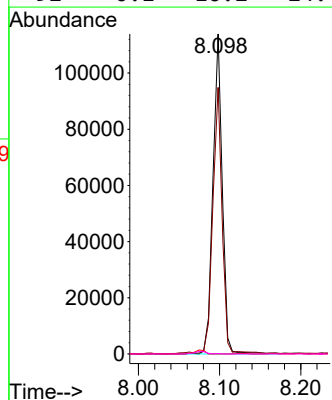
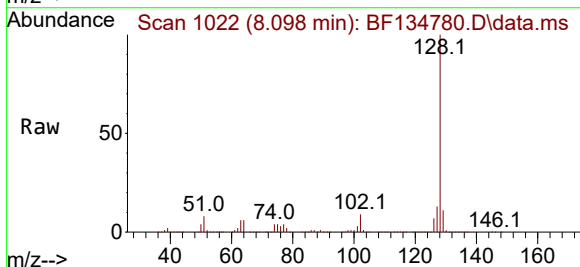
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

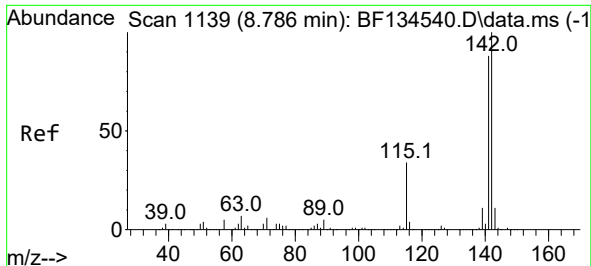
Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 311.9 87.5 127.5#
77 206.3 71.4 111.4#



#33
4-Chloroaniline
Concen: 6.039 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.053 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:127 Resp: 90706
Ion Ratio Lower Upper
127 100
129 83.3 25.6 38.4#
65 0.0 25.4 38.0#
92 0.1 16.2 24.4#

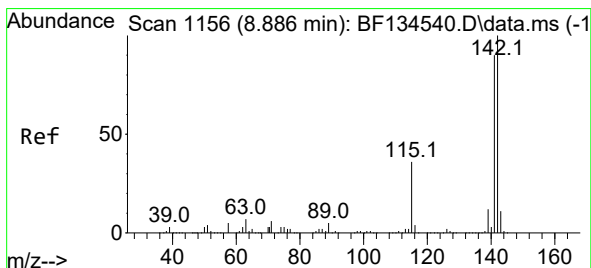
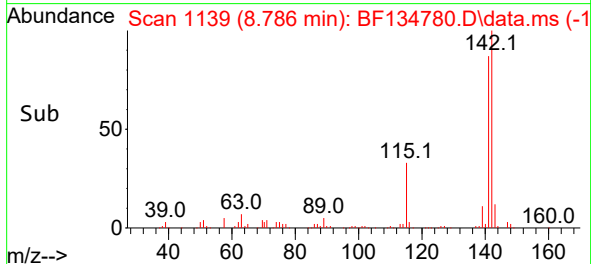
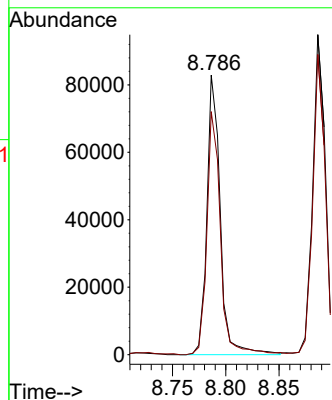
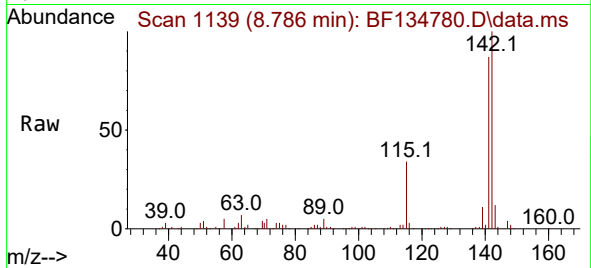




#37
2-Methylnaphthalene
Concen: 3.236 ng
RT: 8.786 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

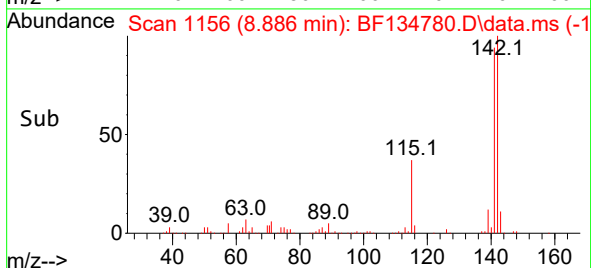
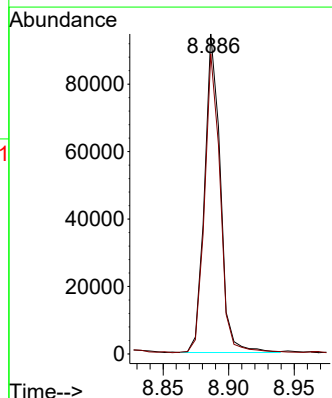
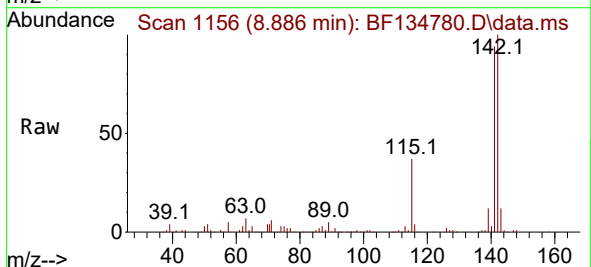
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

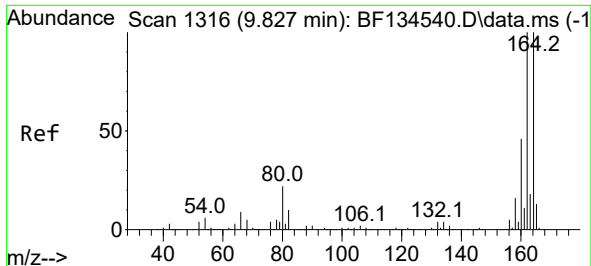
Tgt Ion:142 Resp: 72292
Ion Ratio Lower Upper
142 100
141 86.9 70.8 106.2



#38
1-Methylnaphthalene
Concen: 3.817 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:142 Resp: 79302
Ion Ratio Lower Upper
142 100
141 93.8 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL

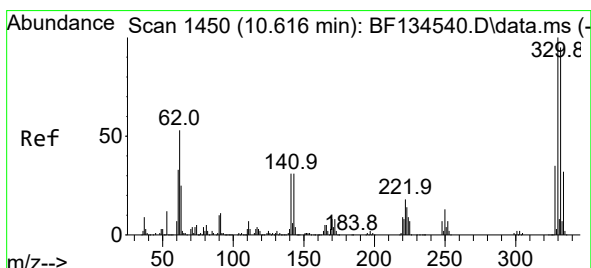
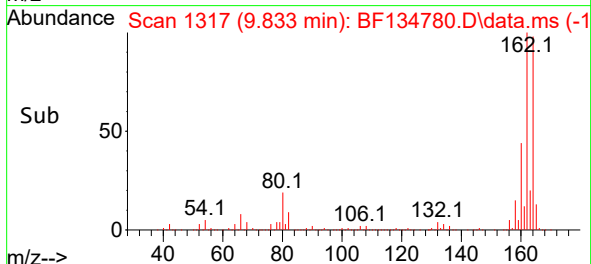
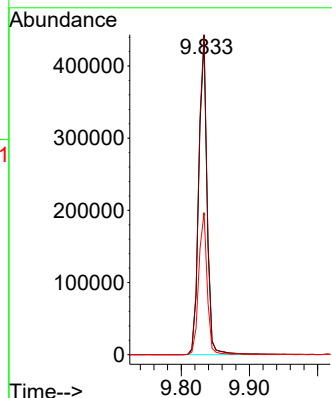
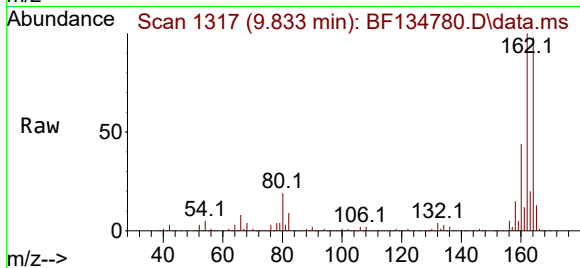
Tgt Ion:164 Resp: 366702

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

160 45.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 1.110 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

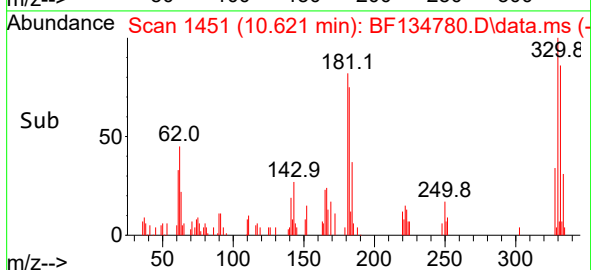
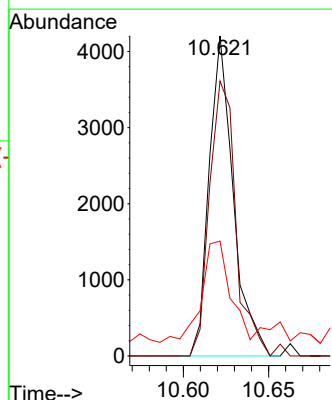
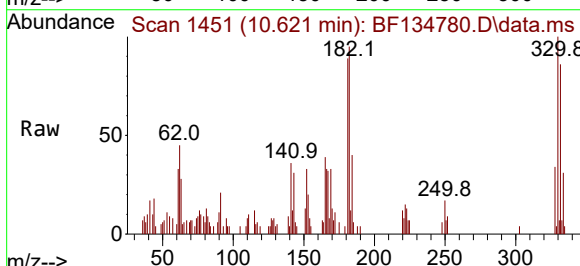
Tgt Ion:330 Resp: 4149

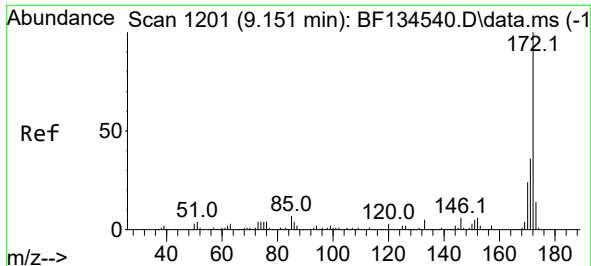
Ion Ratio Lower Upper

330 100

332 94.6 78.8 118.2

141 37.7 25.4 38.2

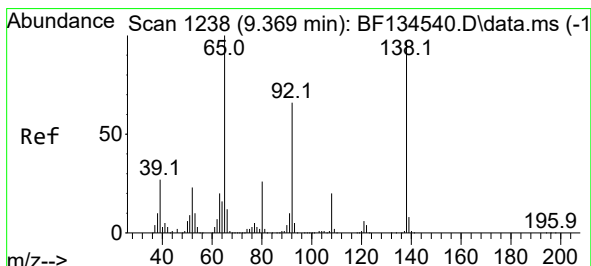
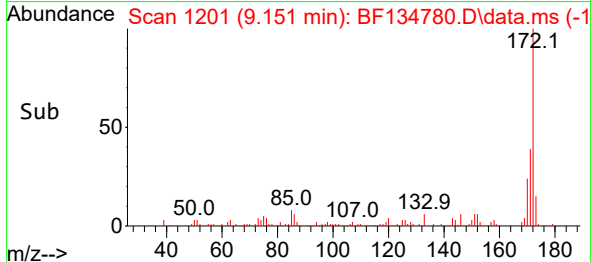
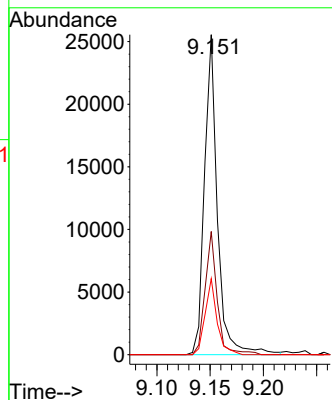
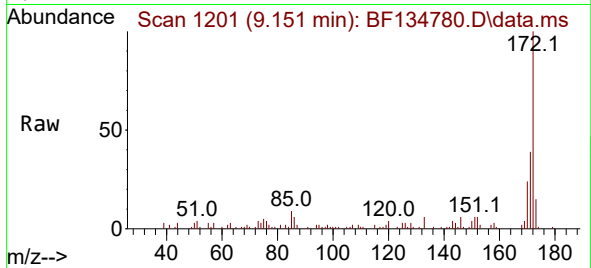




#45
2-Fluorobiphenyl
Concen: 0.982 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

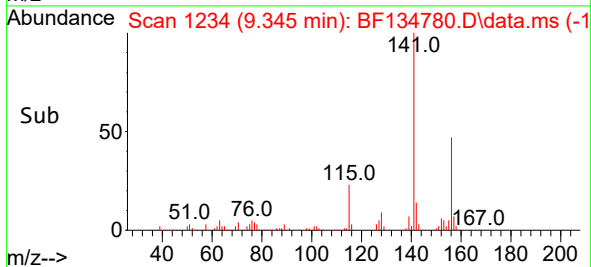
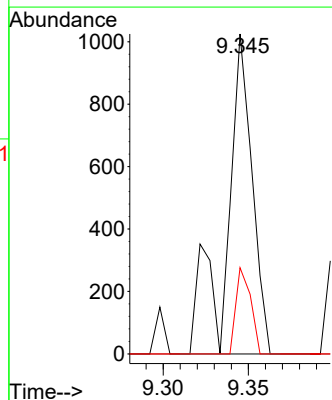
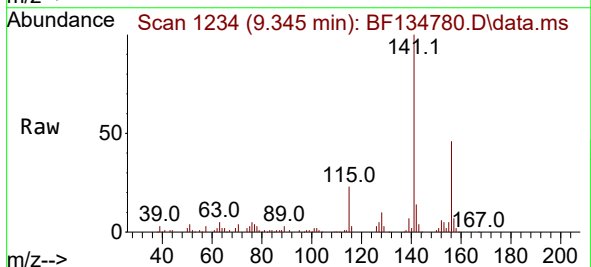
Instrument :
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NEVINS-SB03-Z46-47DL

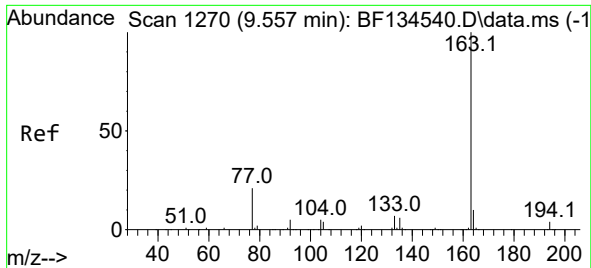
Tgt Ion:172 Resp: 21650
Ion Ratio Lower Upper
172 100
171 38.5 28.8 43.2
170 23.7 18.7 28.1



#48
2-Nitroaniline
Concen: 3.318 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.035 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion: 65 Resp: 1081
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 26.9 78.2 117.4#

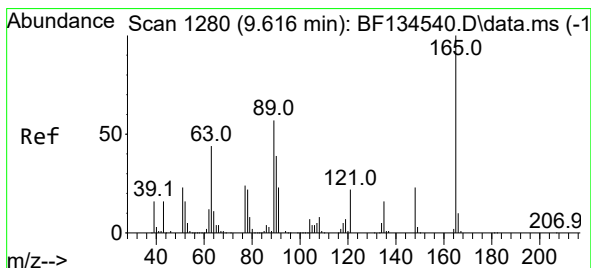
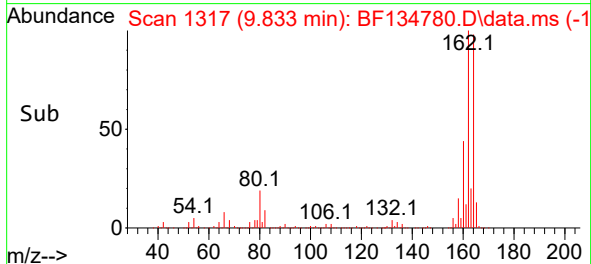
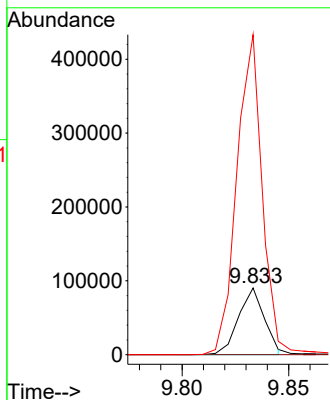
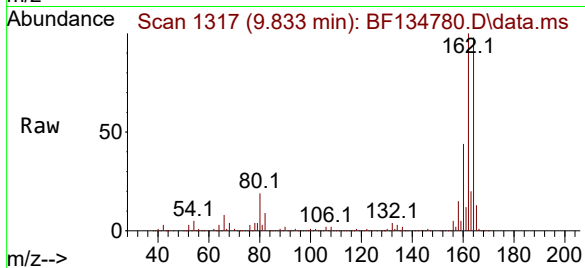




#50
Dimethylphthalate
Concen: 3.068 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

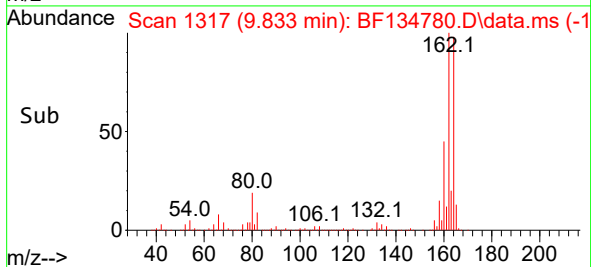
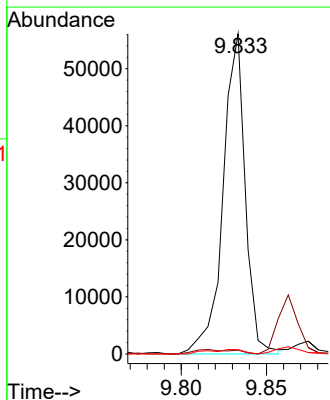
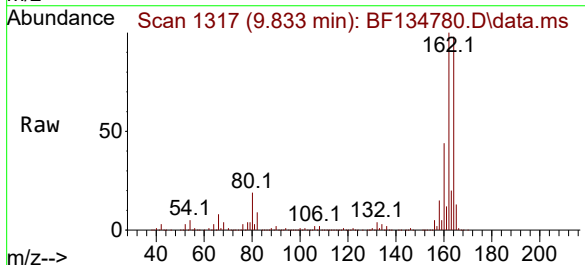
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

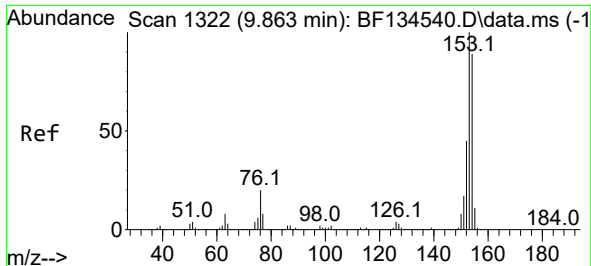
Tgt Ion:163 Resp: 76689
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 479.1 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.937 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:165 Resp: 51002
Ion Ratio Lower Upper
165 100
63 1.2 57.8 86.6#
89 1.3 51.8 77.8#

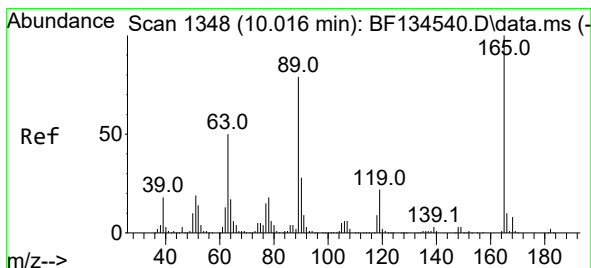
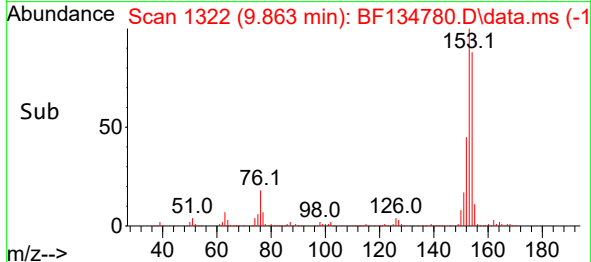
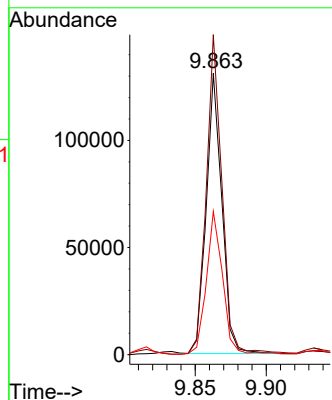
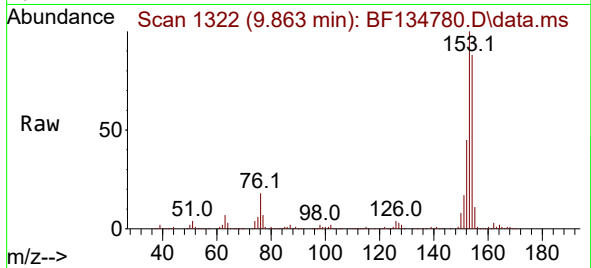




#52
Acenaphthene
Concen: 4.609 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

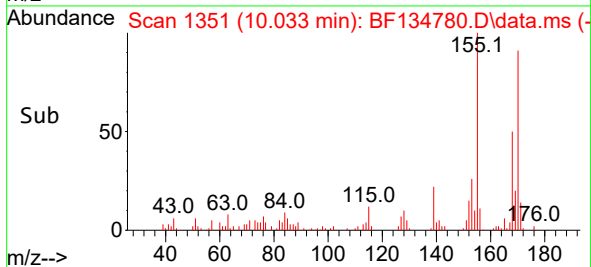
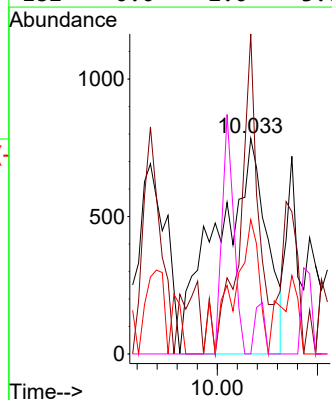
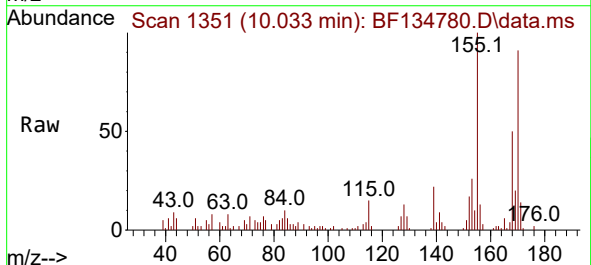
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

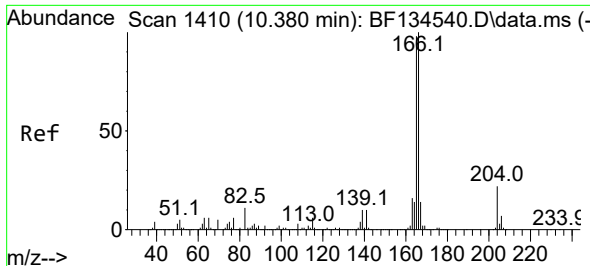
Tgt Ion:154 Resp: 100322
Ion Ratio Lower Upper
154 100
153 113.7 90.0 135.0
152 50.9 42.4 63.6



#57
2,4-Dinitrotoluene
Concen: 3.257 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:165 Resp: 2672
Ion Ratio Lower Upper
165 100
63 148.5 48.9 73.3#
89 62.2 61.7 92.5
182 0.0 2.0 3.0#

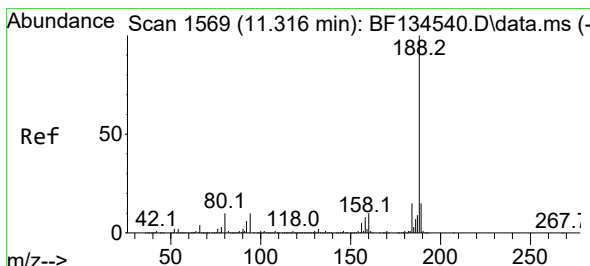
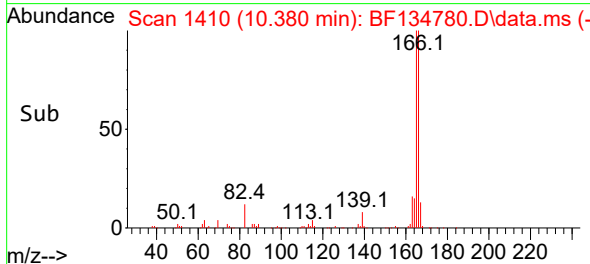
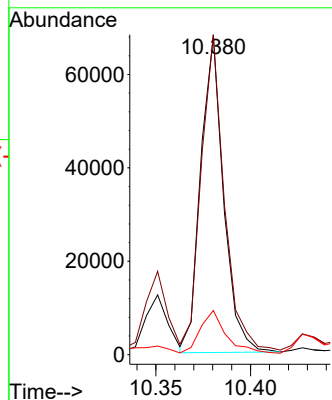
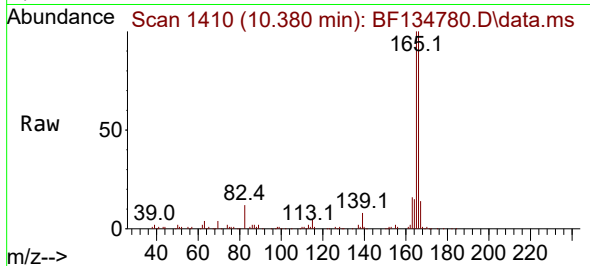




#58
Fluorene
Concen: 2.530 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

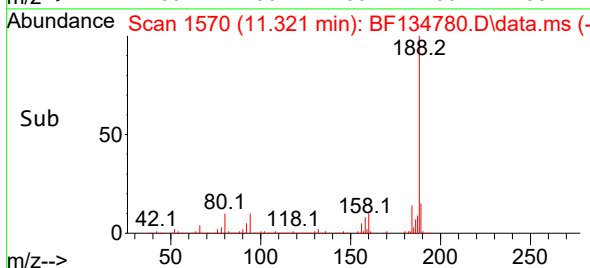
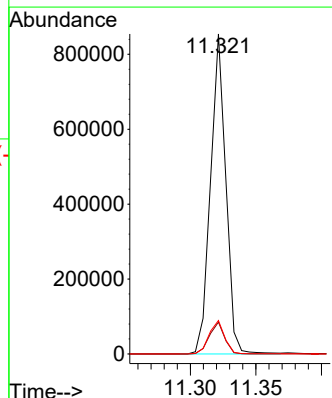
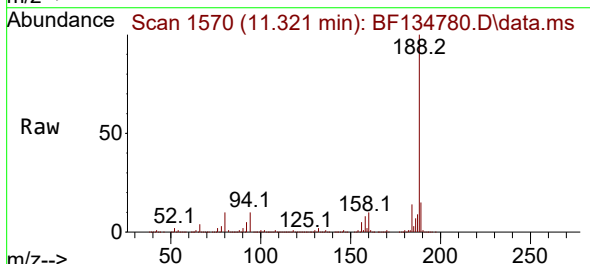
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

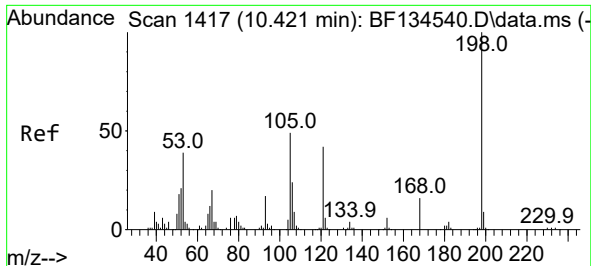
Tgt Ion:166 Resp: 57099
Ion Ratio Lower Upper
166 100
165 100.3 74.5 111.7
167 13.8 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:188 Resp: 694711
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7#
80 10.5 6.6 9.8#

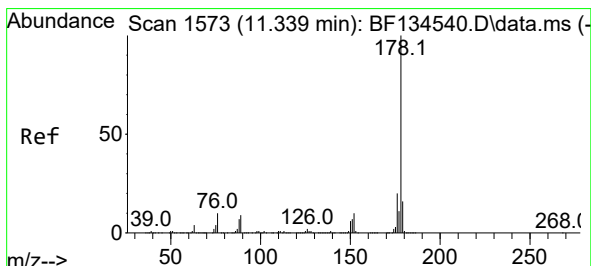
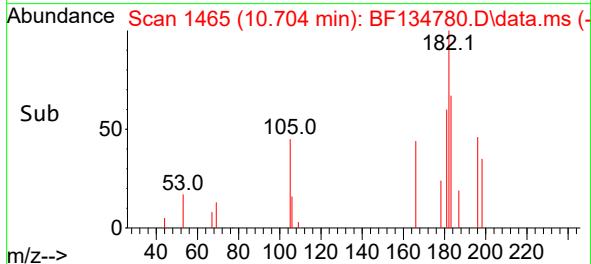
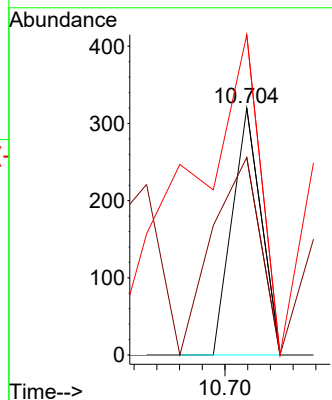
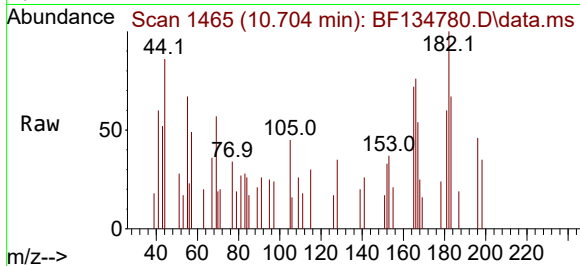




#65
4,6-Dinitro-2-methylphenol
Concen: 8.732 ng
RT: 10.704 min Scan# 1417
Delta R.T. 0.265 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

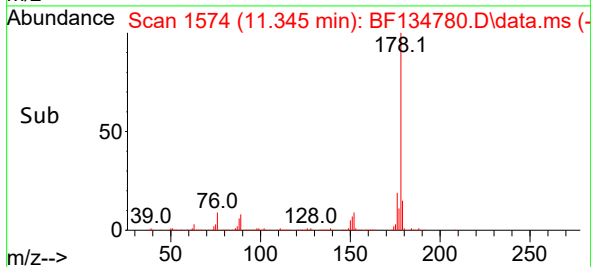
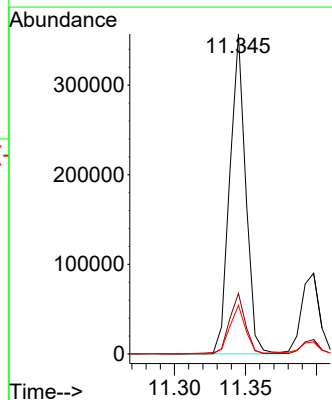
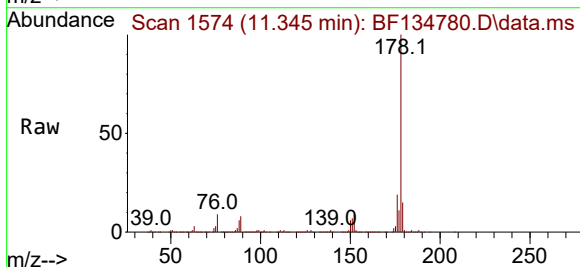
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

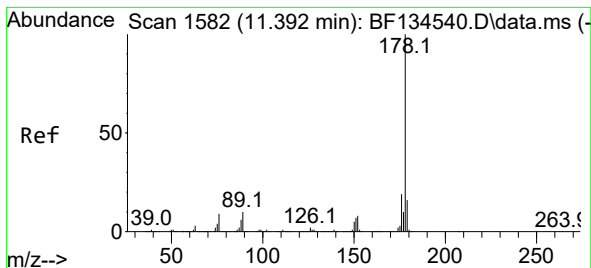
Tgt Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
51 80.0 38.6 78.6#
105 129.7 27.9 67.9#



#71
Phenanthrene
Concen: 7.552 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:178 Resp: 278653
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.2 12.7 19.1





#72

Anthracene

Concen: 2.036 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL

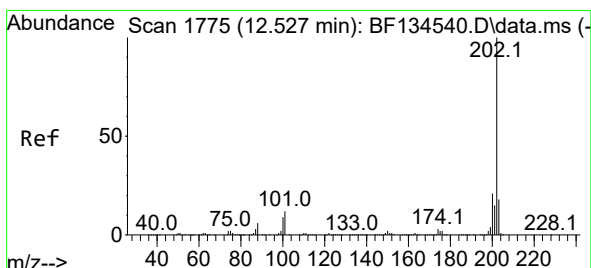
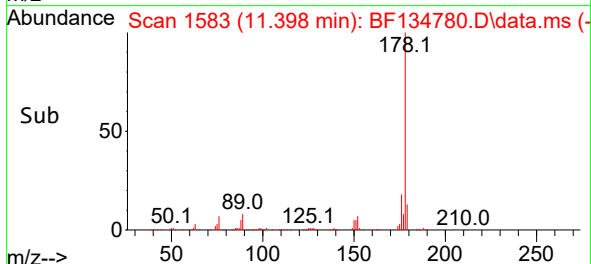
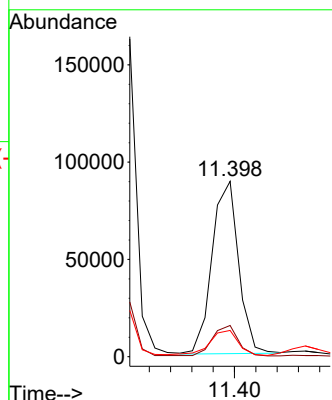
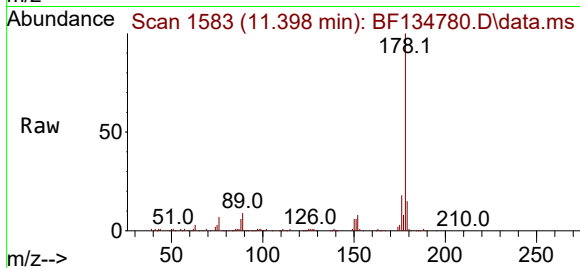
Tgt Ion:178 Resp: 76725

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

179 15.0 12.3 18.5



#75

Fluoranthene

Concen: 2.482 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

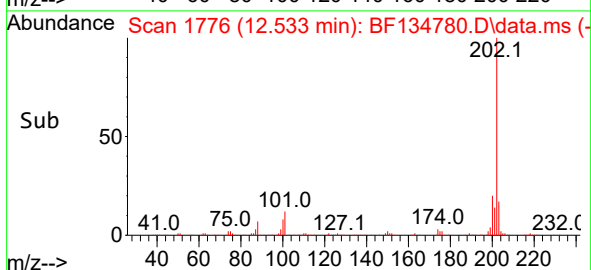
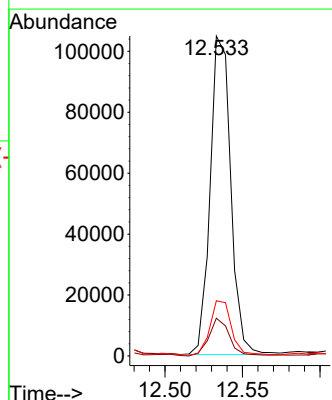
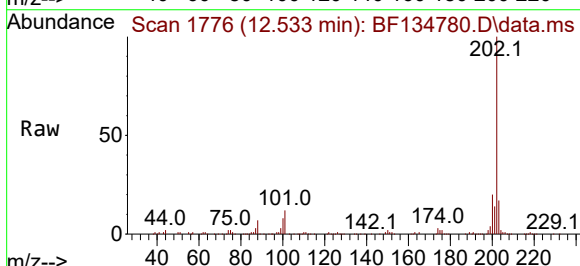
Tgt Ion:202 Resp: 96752

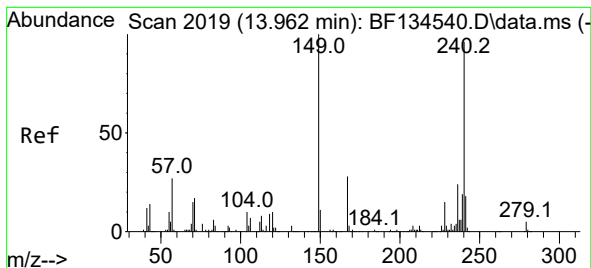
Ion Ratio Lower Upper

202 100

101 11.8 0.0 28.5

203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL

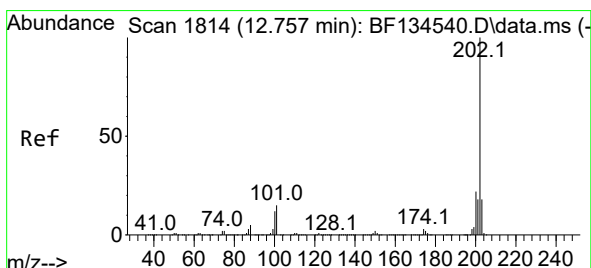
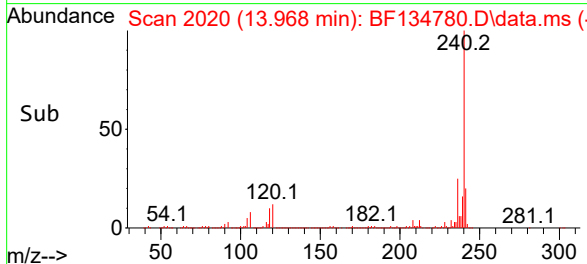
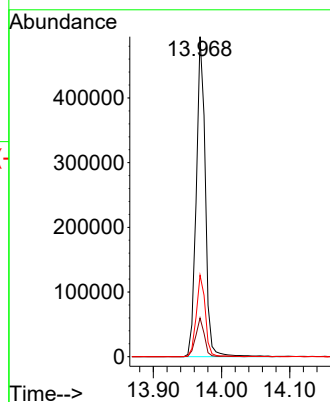
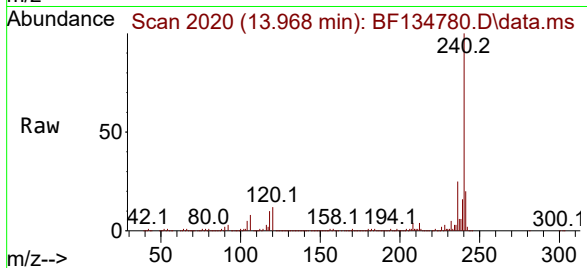
Tgt Ion:240 Resp: 454564

Ion Ratio Lower Upper

240 100

120 12.1 6.6 10.0#

236 25.4 20.2 30.2



#78

Pyrene

Concen: 3.523 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

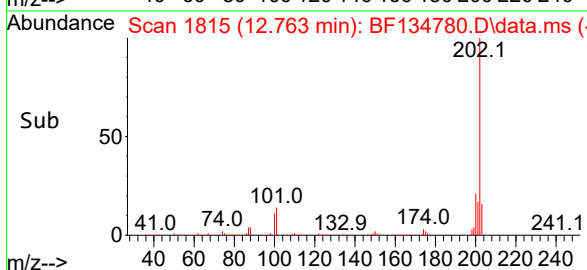
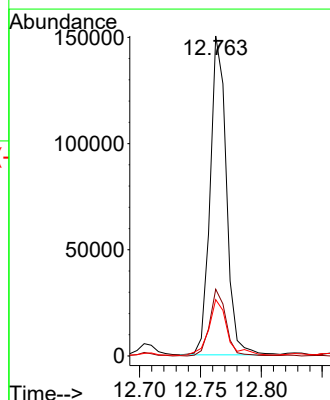
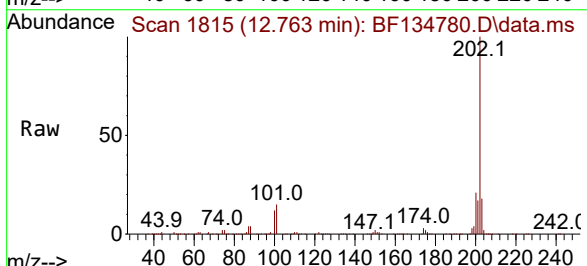
Tgt Ion:202 Resp: 138586

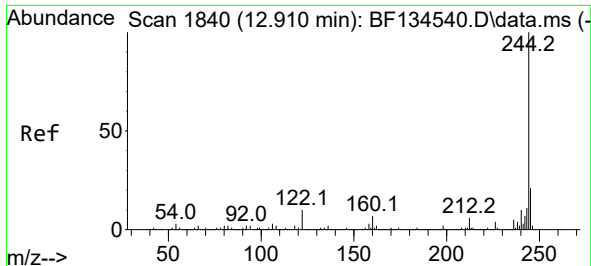
Ion Ratio Lower Upper

202 100

200 20.9 15.8 23.8

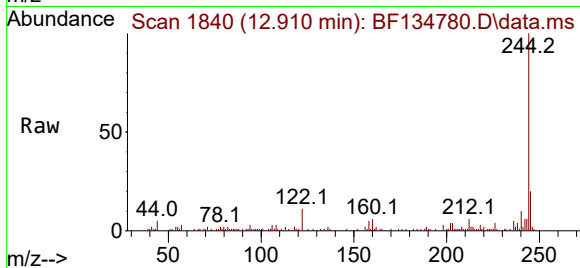
203 17.6 13.5 20.3



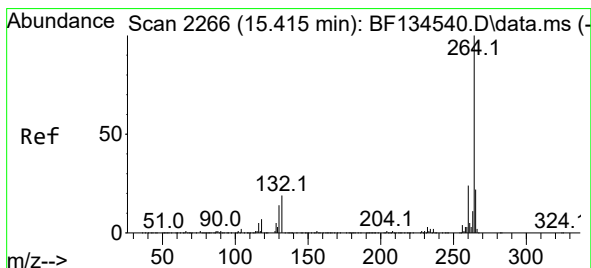
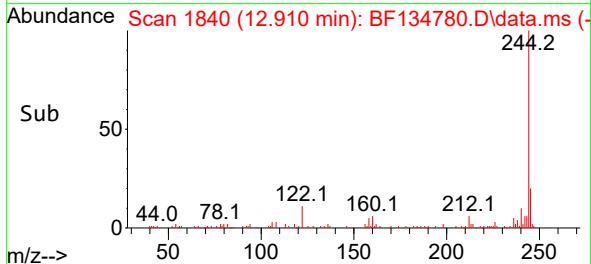
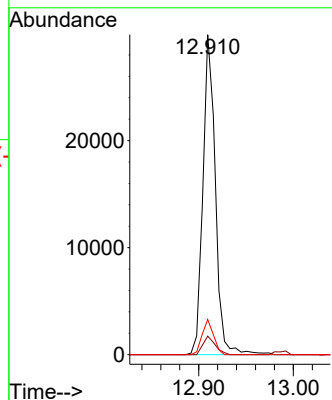


#79
 Terphenyl-d14
 Concen: 1.063 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134780.D
 Acq: 15 Aug 2023 11:56

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z46-47DL



Tgt Ion:244 Resp: 27414
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.6 8.4
 122 11.0 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF134780.D
 Acq: 15 Aug 2023 11:56

Tgt Ion:264 Resp: 409547
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.4 27.6
 265 21.9 15.8 23.8

