

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134777.D
 Acq On : 15 Aug 2023 10:20
 Operator : CG\JU
 Sample : 03958-03DL 250X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z64-65DL

Quant Time: Aug 16 03:08:55 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)

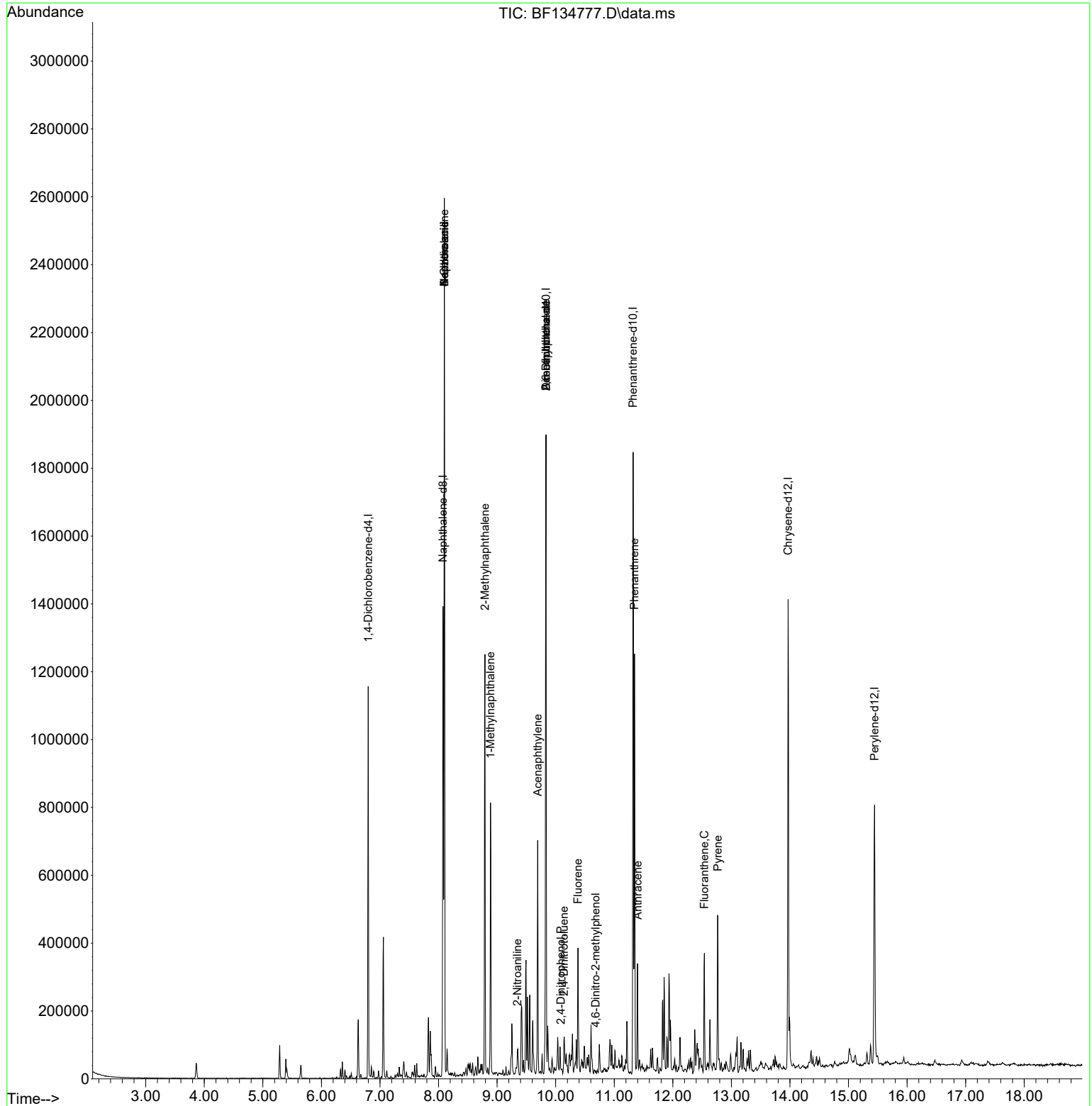
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	153564	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	634788	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	348661	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	669430	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	450390	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	381842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1794	0.178	ng	0.00
7) Phenol-d6	6.428	99	2813	0.218	ng	-0.01
23) Nitrobenzene-d5	7.351	82	1822	0.179	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	939	0.264	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	5595	0.267	ng	-0.01
79) Terphenyl-d14	12.910	244	6874	0.269	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	1902	Below Cal	#	1
31) Naphthalene	8.098	128	1050363	32.923	ng	99
32) Benzoic acid	8.098	122	2568	8.200	ng	# 1
33) 4-Chloroaniline	8.098	127	136715	9.618	ng	# 31
37) 2-Methylnaphthalene	8.792	142	324586	15.349	ng	99
38) 1-Methylnaphthalene	8.886	142	200354	10.189	ng	96
48) 2-Nitroaniline	9.345	65	1113	3.330	ng	# 8
49) Acenaphthylene	9.692	152	222590	6.970	ng	98
50) Dimethylphthalate	9.834	163	73638	3.099	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	50669	12.361	ng	# 17
54) 2,4-Dinitrophenol	10.086	184	68	6.827	ng	# 58
57) 2,4-Dinitrotoluene	10.139	165	4883	3.632	ng	# 41
58) Fluorene	10.381	166	98464	4.589	ng	95
65) 4,6-Dinitro-2-methylph...	10.681	198	56	8.716	ng	# 5
71) Phenanthrene	11.345	178	426298	11.989	ng	99
72) Anthracene	11.398	178	112484	3.097	ng	99
75) Fluoranthene	12.539	202	135544	3.609	ng	98
78) Pyrene	12.769	202	201196	5.162	ng	98

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

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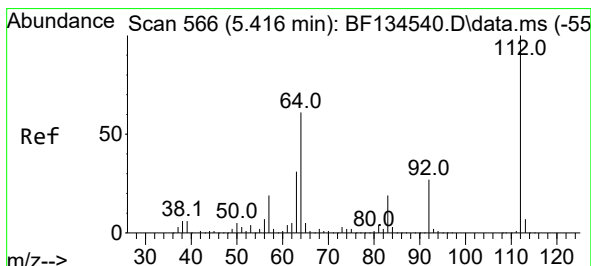
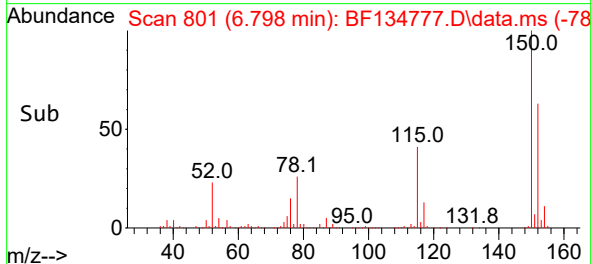
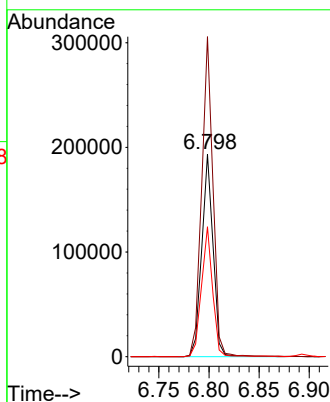
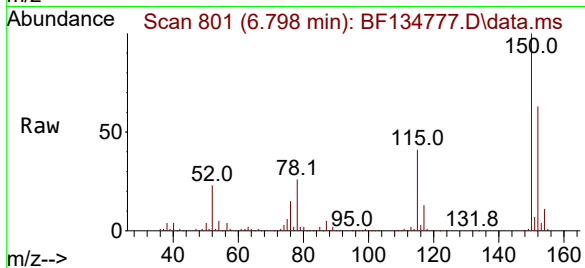




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

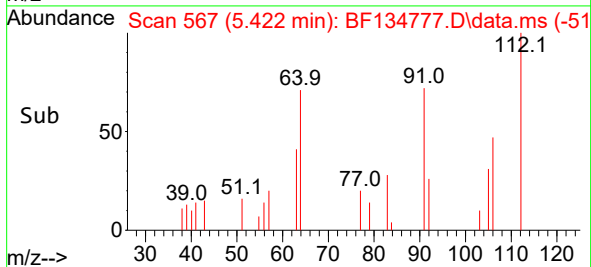
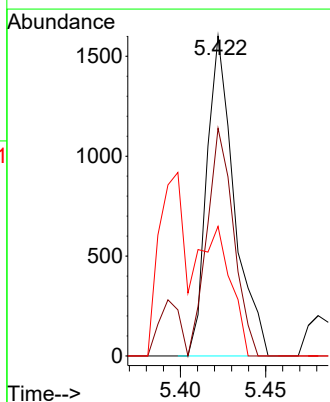
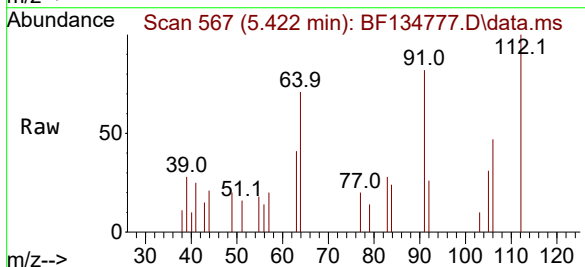
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

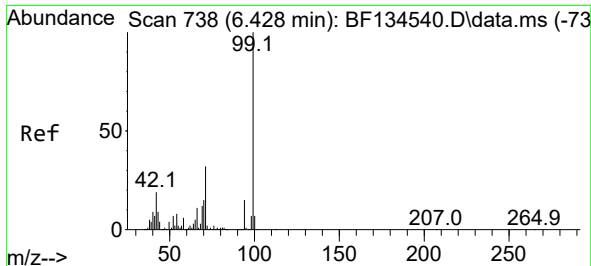
Tgt Ion:152 Resp: 153564
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 64.2 52.4 78.6



#5
2-Fluorophenol
Concen: 0.178 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:112 Resp: 1794
Ion Ratio Lower Upper
112 100
64 71.2 44.9 67.3#
63 40.5 25.4 38.0#

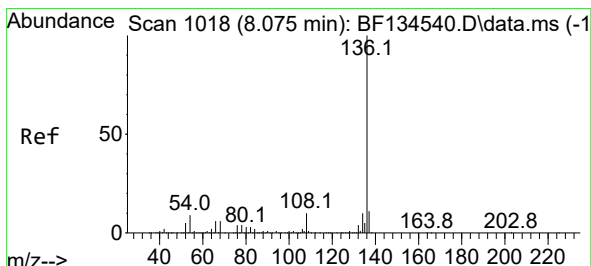
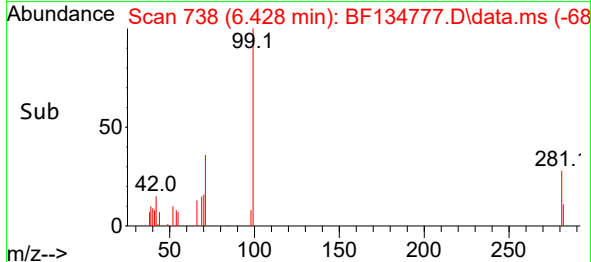
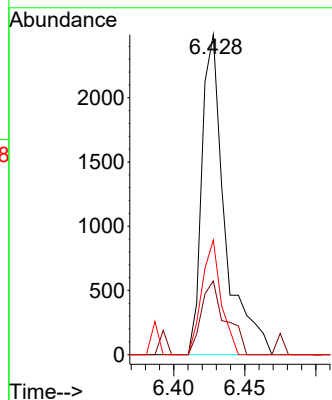
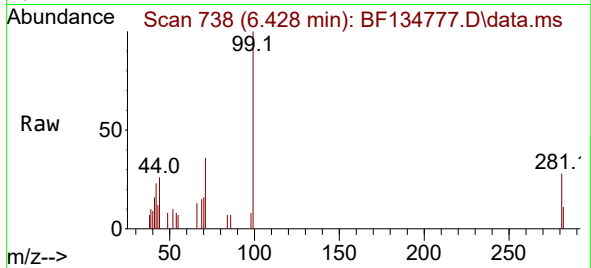




#7
Phenol-d6
Concen: 0.218 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

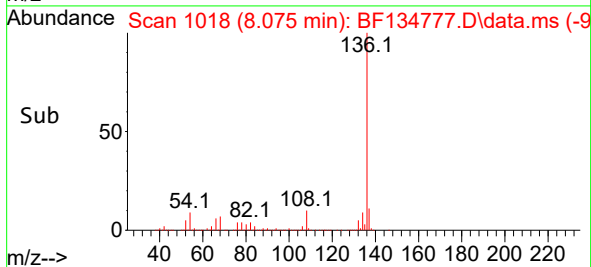
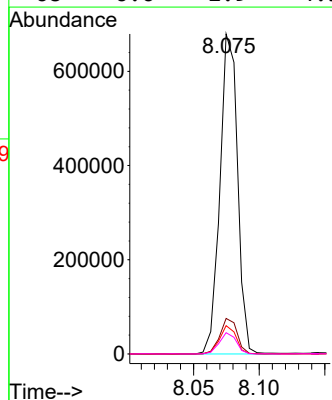
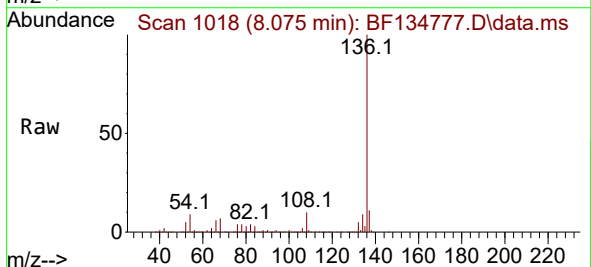
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

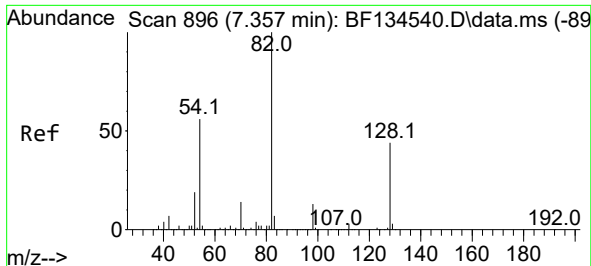
Tgt Ion: 99 Resp: 2813
Ion Ratio Lower Upper
99 100
42 23.0 18.7 28.1
71 35.8 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion: 136 Resp: 634788
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.9 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.179 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

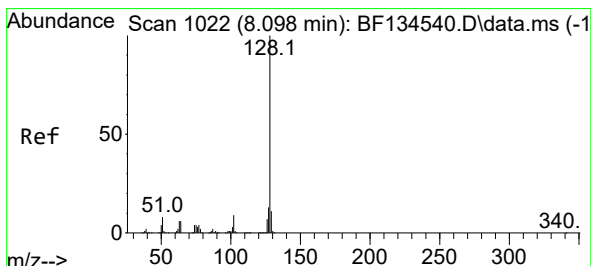
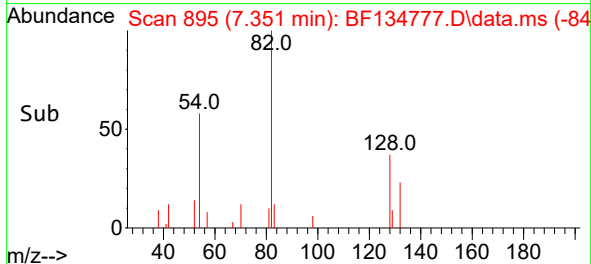
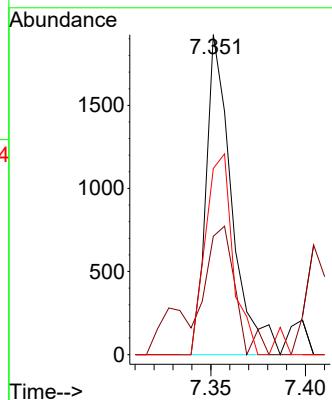
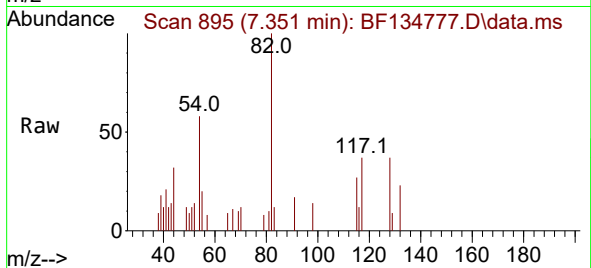
Tgt Ion: 82 Resp: 1822

Ion Ratio Lower Upper

82 100

128 37.0 34.3 51.5

54 58.2 43.8 65.6



#31

Naphthalene

Concen: 32.923 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

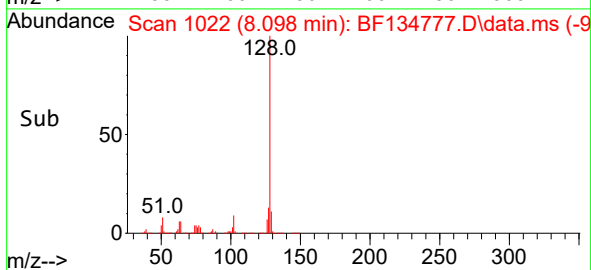
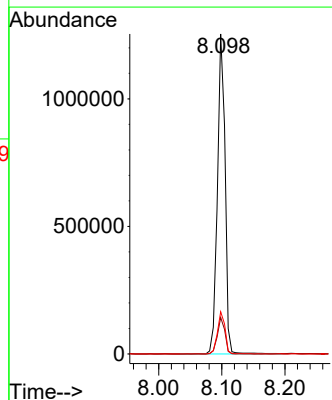
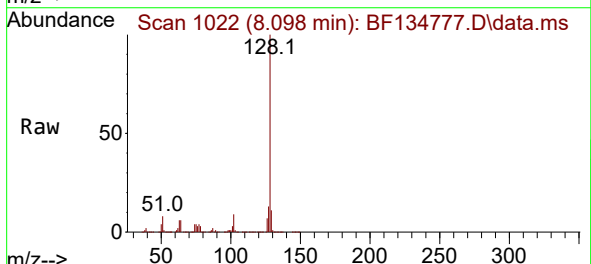
Tgt Ion: 128 Resp: 1050363

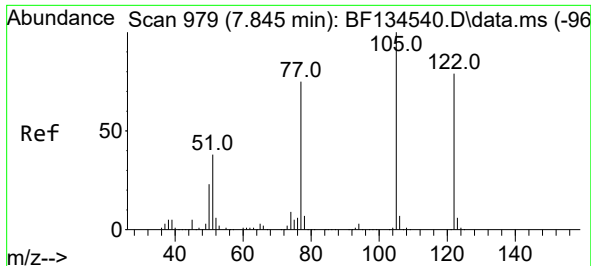
Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 13.2 10.7 16.1

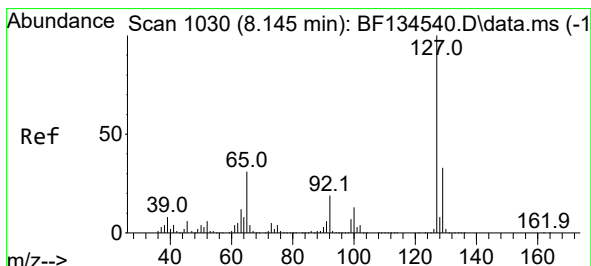
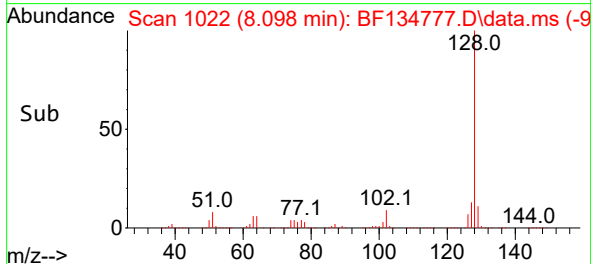
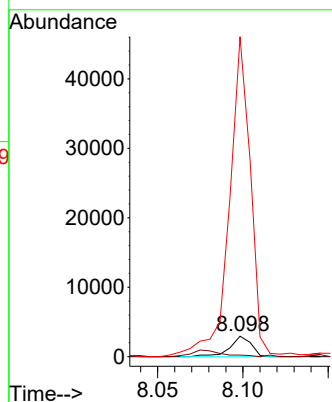
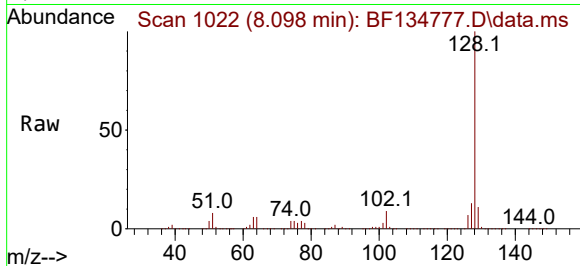




#32
Benzoic acid
Concen: 8.200 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.235 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

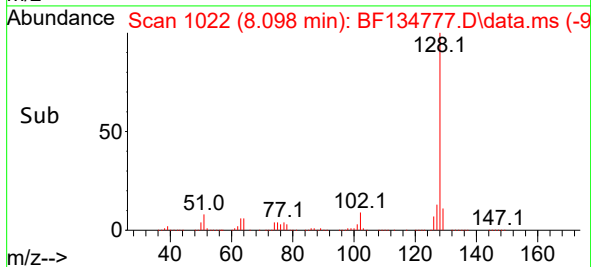
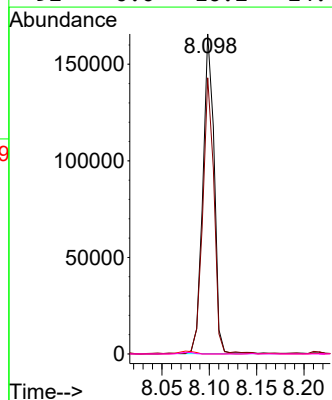
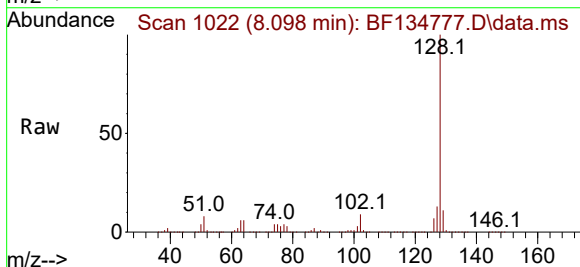
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

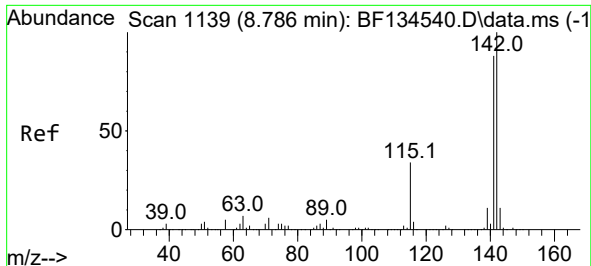
Tgt Ion:122 Resp: 2568
Ion Ratio Lower Upper
122 100
105 8.2 87.5 127.5#
77 1564.2 71.4 111.4#



#33
4-Chloroaniline
Concen: 9.618 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.053 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:127 Resp: 136715
Ion Ratio Lower Upper
127 100
129 86.3 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#

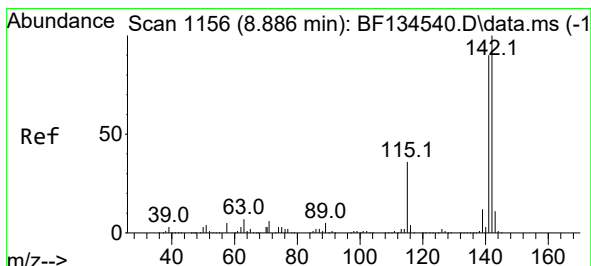
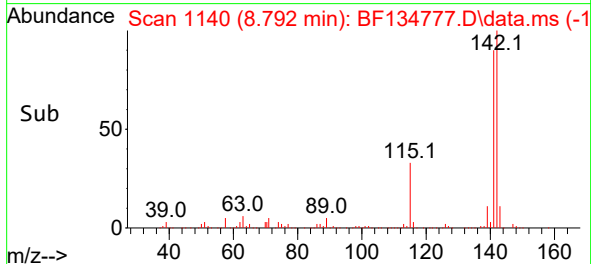
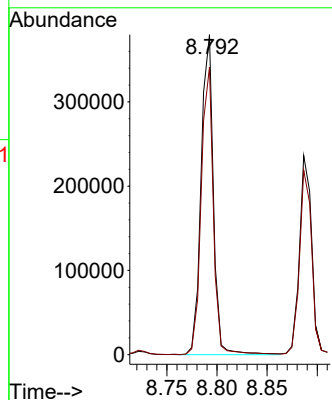
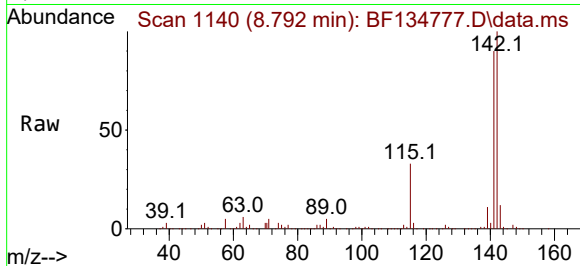




#37
2-Methylnaphthalene
Concen: 15.349 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

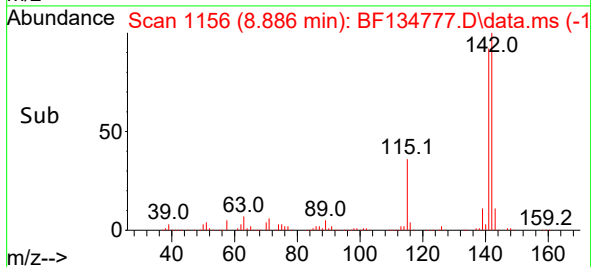
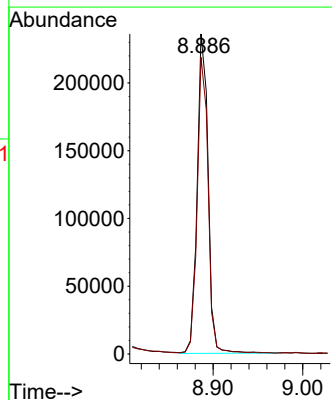
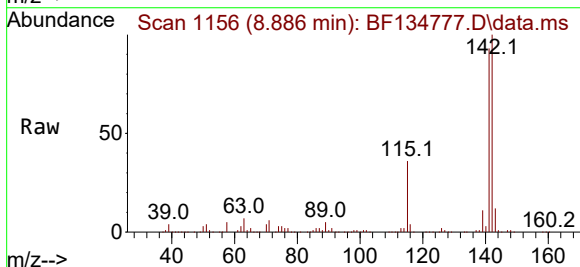
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

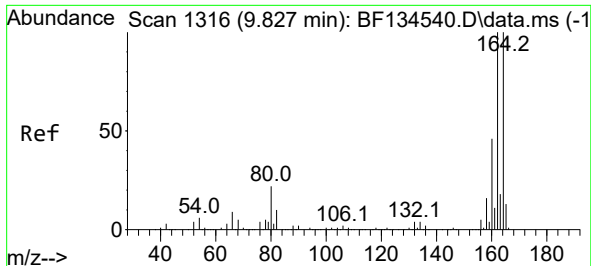
Tgt Ion:142 Resp: 324586
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2



#38
1-Methylnaphthalene
Concen: 10.189 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:142 Resp: 200354
Ion Ratio Lower Upper
142 100
141 92.7 71.4 107.2

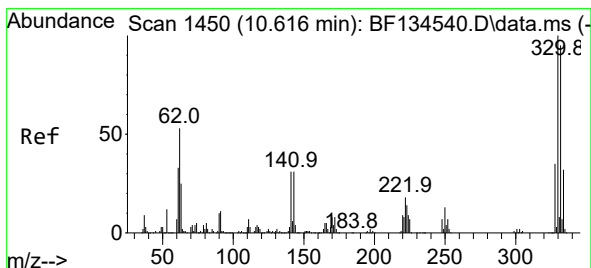
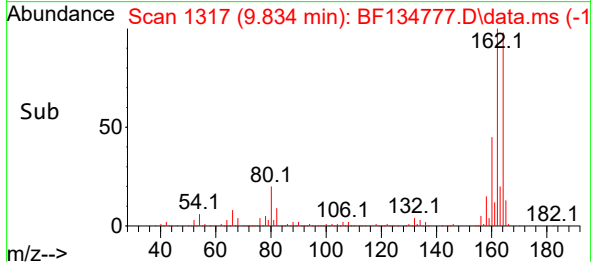
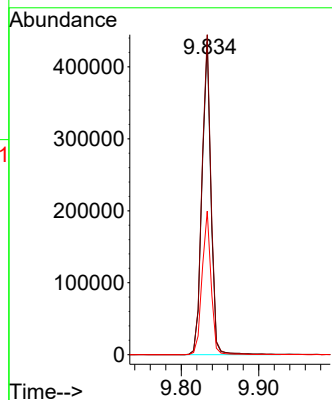
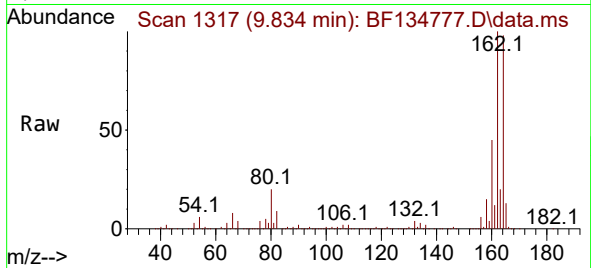




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

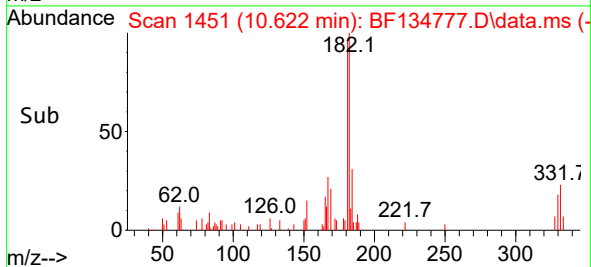
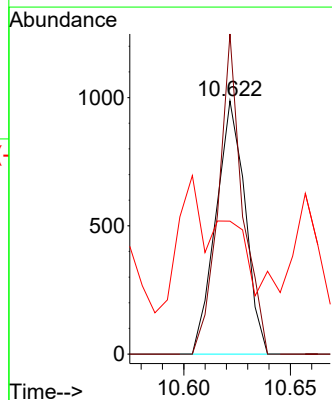
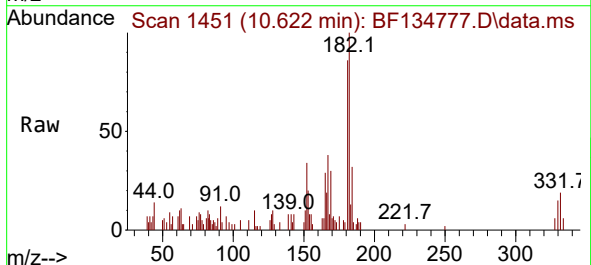
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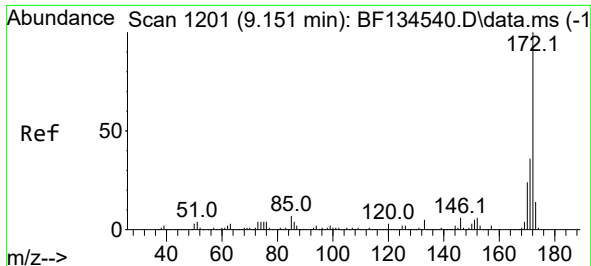
Tgt Ion:164 Resp: 348661
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 45.9 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 0.264 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:330 Resp: 939
Ion Ratio Lower Upper
330 100
332 104.4 78.8 118.2
141 95.4 25.4 38.2#

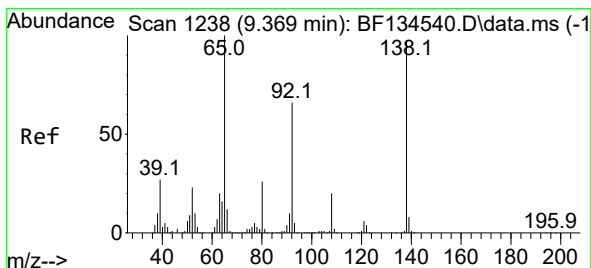
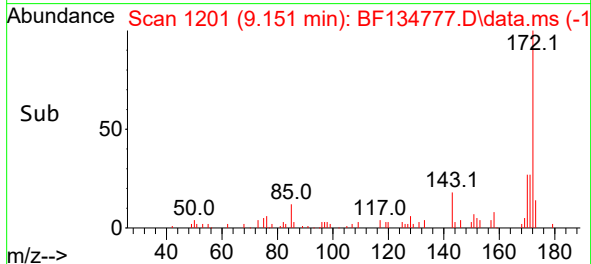
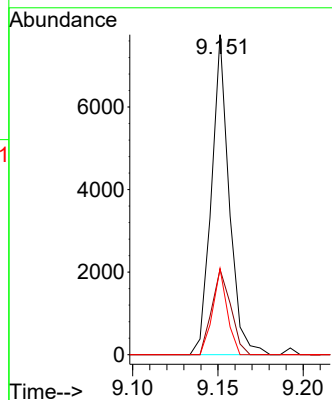
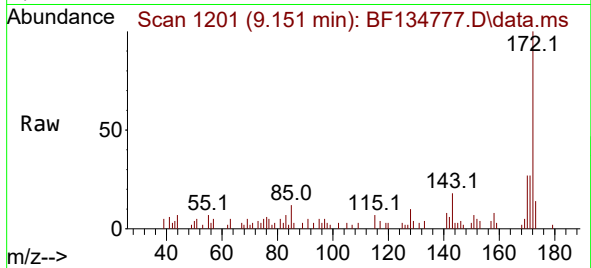




#45
2-Fluorobiphenyl
Concen: 0.267 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

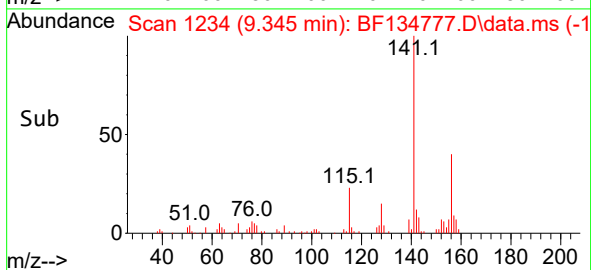
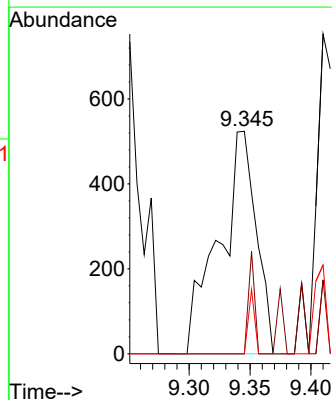
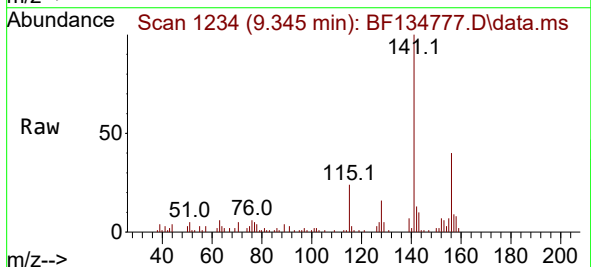
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

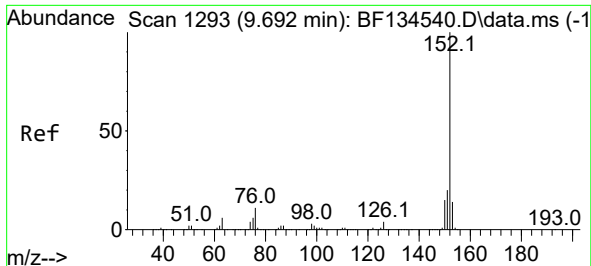
Tgt Ion:172 Resp: 5595
Ion Ratio Lower Upper
172 100
171 26.7 28.8 43.2#
170 26.9 18.7 28.1



#48
2-Nitroaniline
Concen: 3.330 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.035 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion: 65 Resp: 1113
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#

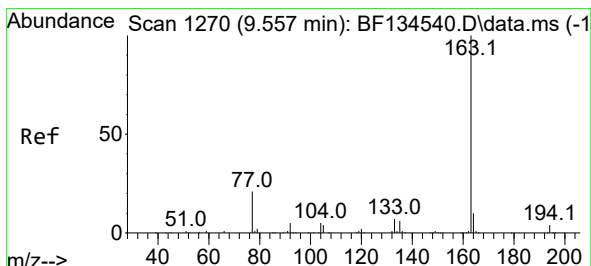
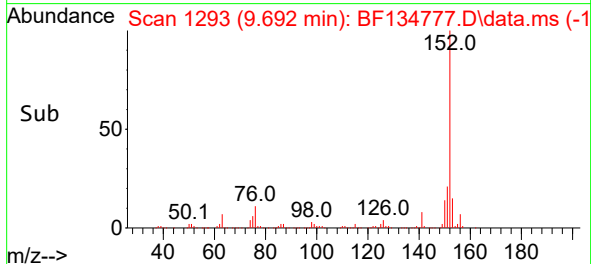
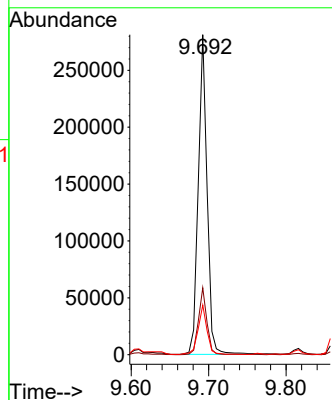
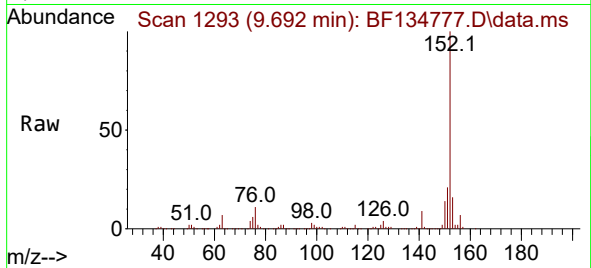




#49
Acenaphthylene
Concen: 6.970 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

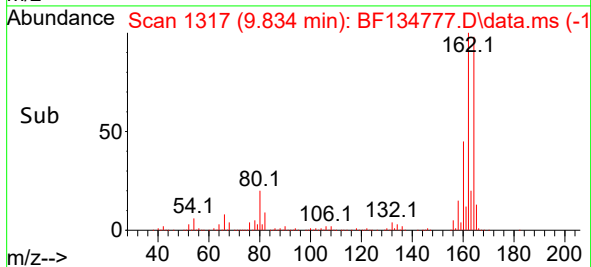
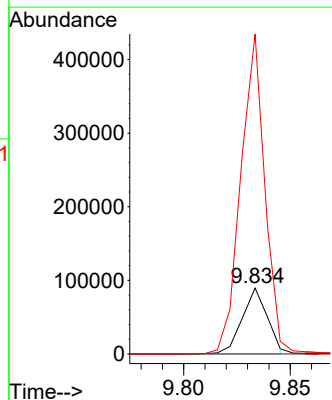
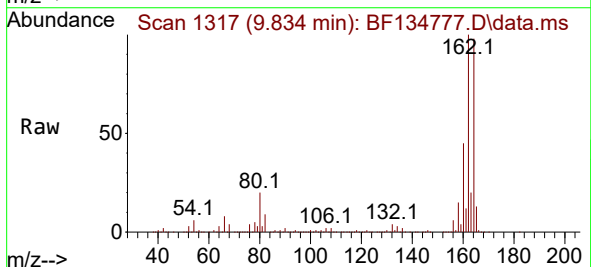
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

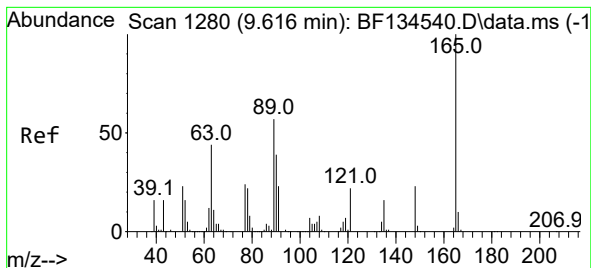
Tgt Ion:152 Resp: 222590
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 15.5 10.9 16.3



#50
Dimethylphthalate
Concen: 3.099 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:163 Resp: 73638
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 485.2 7.5 11.3#





#51

2,6-Dinitrotoluene

Concen: 12.361 ng

RT: 9.834 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

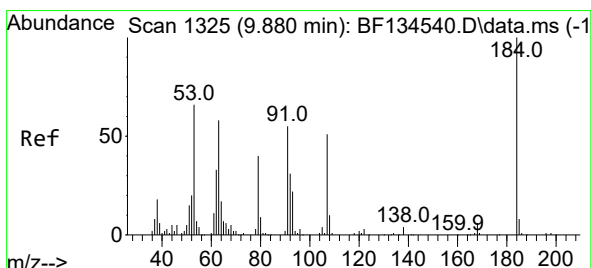
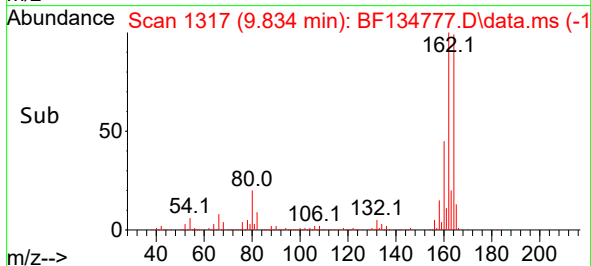
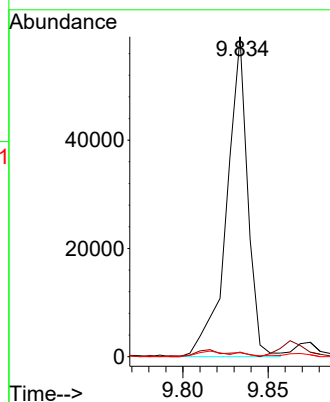
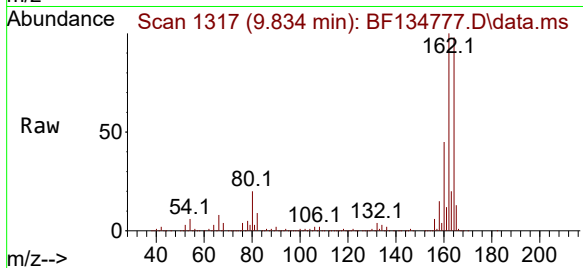
Tgt Ion:165 Resp: 50669

Ion Ratio Lower Upper

165 100

63 1.2 57.8 86.6#

89 1.4 51.8 77.8#



#54

2,4-Dinitrophenol

Concen: 6.827 ng

RT: 10.086 min Scan# 1360

Delta R.T. 0.188 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

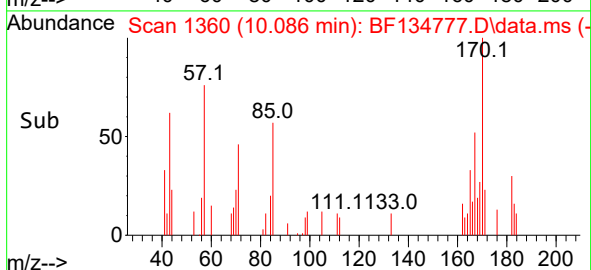
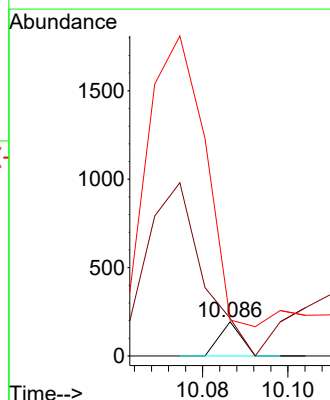
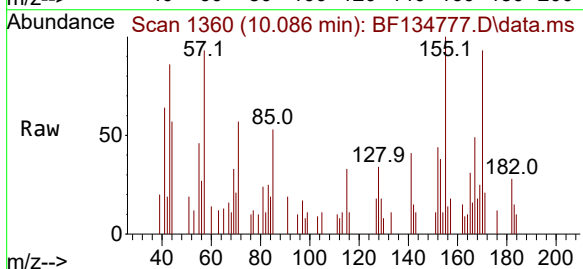
Tgt Ion:184 Resp: 68

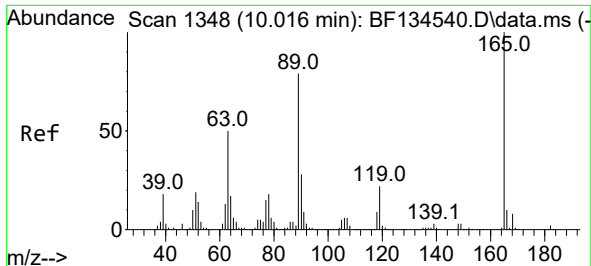
Ion Ratio Lower Upper

184 100

63 109.8 57.1 85.7#

154 105.2 59.1 88.7#

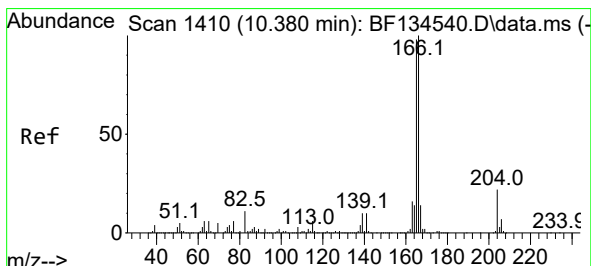
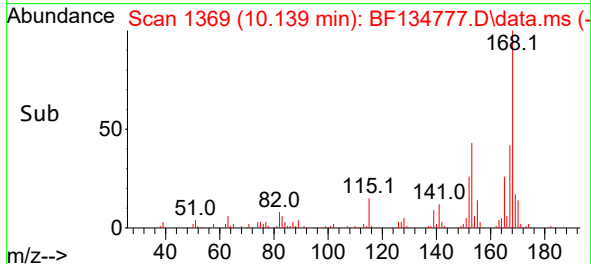
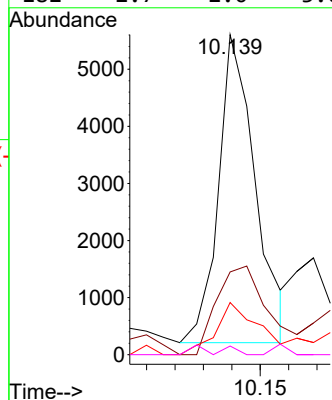
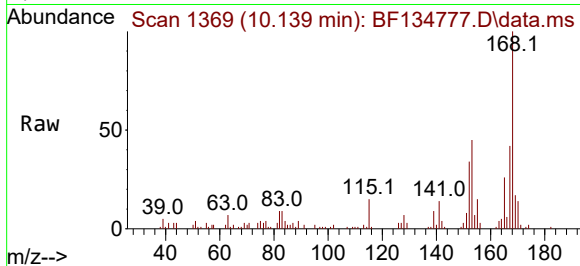




#57
2,4-Dinitrotoluene
Concen: 3.632 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.112 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

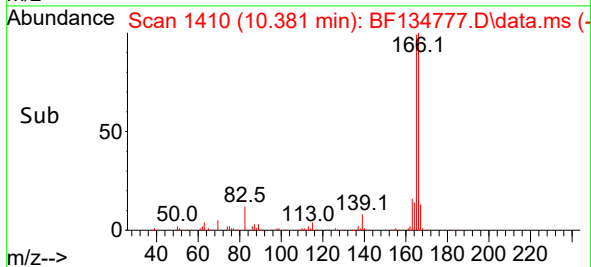
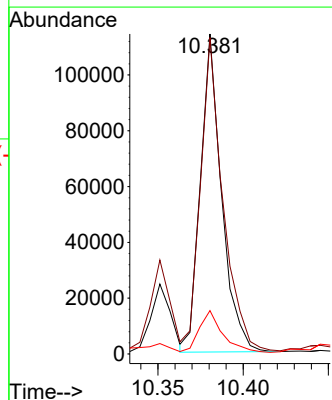
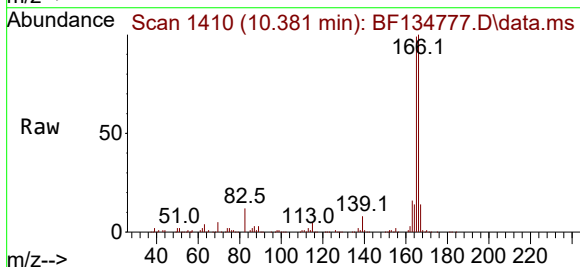
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

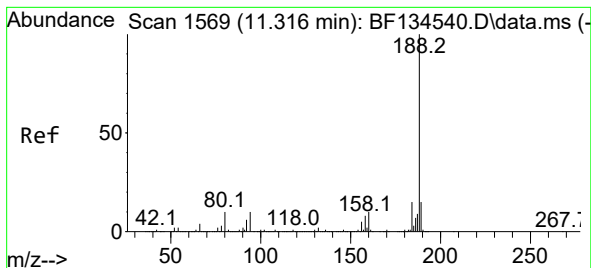
Tgt Ion:165 Resp: 4883
Ion Ratio Lower Upper
165 100
63 25.8 48.9 73.3#
89 16.3 61.7 92.5#
182 2.7 2.0 3.0



#58
Fluorene
Concen: 4.589 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:166 Resp: 98464
Ion Ratio Lower Upper
166 100
165 98.9 74.5 111.7
167 13.5 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134777.D

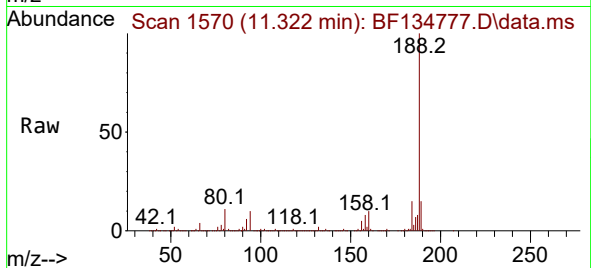
Acq: 15 Aug 2023 10:20

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL



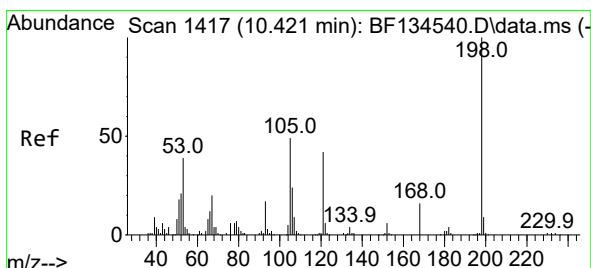
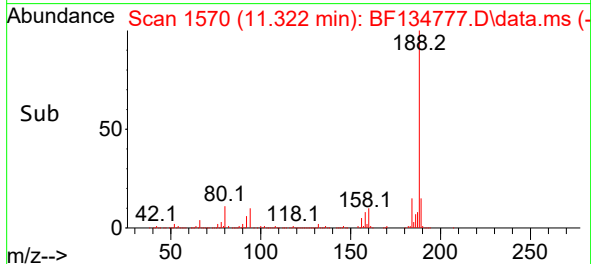
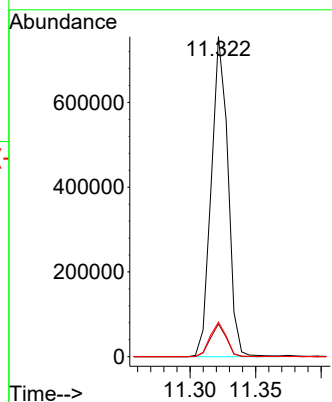
Tgt Ion:188 Resp: 669430

Ion Ratio Lower Upper

188 100

94 10.2 5.1 7.7#

80 10.8 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.716 ng

RT: 10.681 min Scan# 1461

Delta R.T. 0.241 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

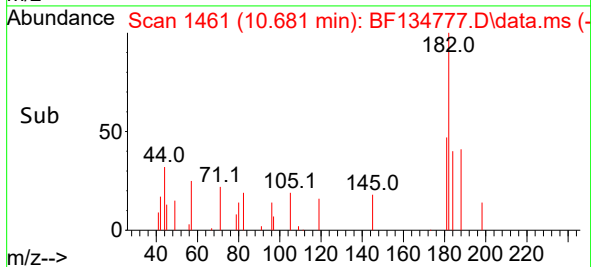
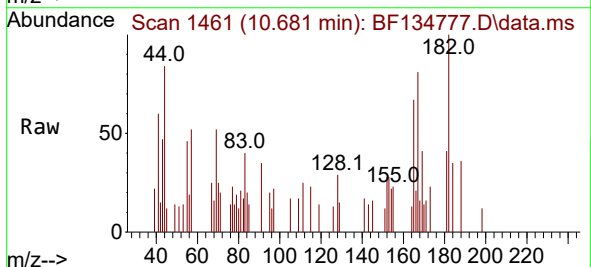
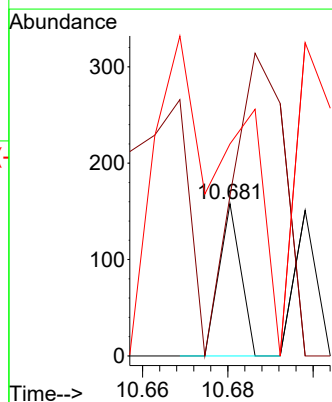
Tgt Ion:198 Resp: 56

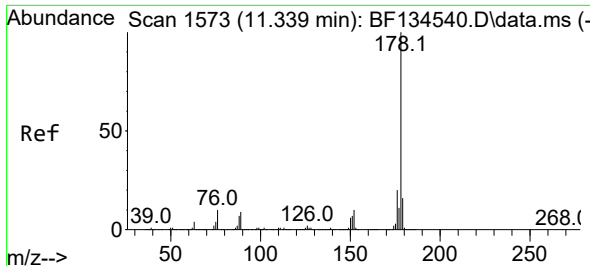
Ion Ratio Lower Upper

198 100

51 105.1 38.6 78.6#

105 139.2 27.9 67.9#

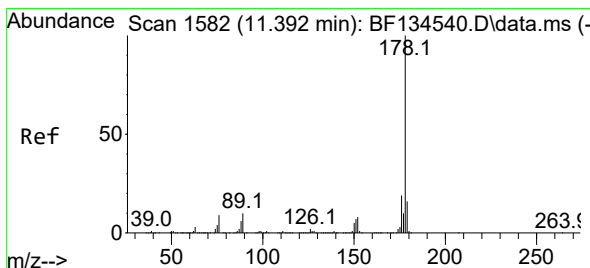
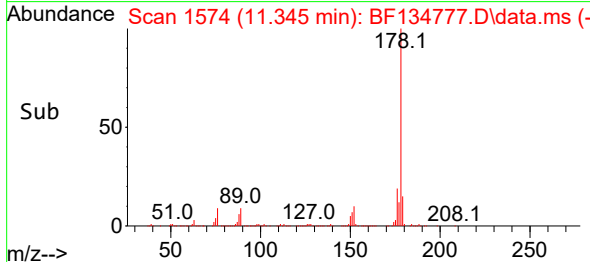
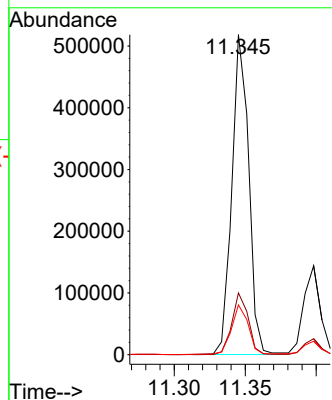
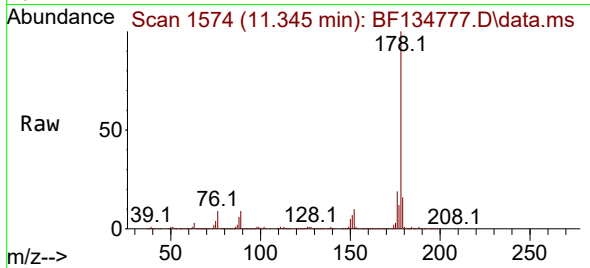




#71
Phenanthrene
Concen: 11.989 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

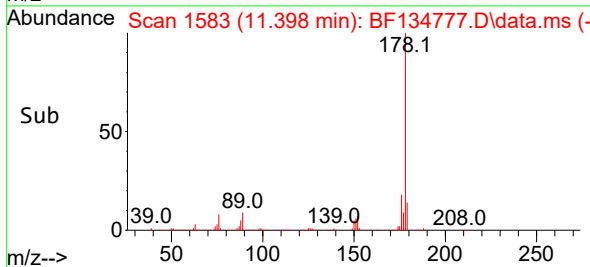
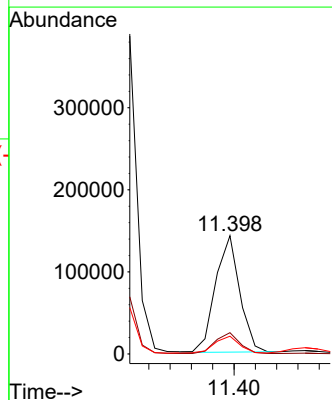
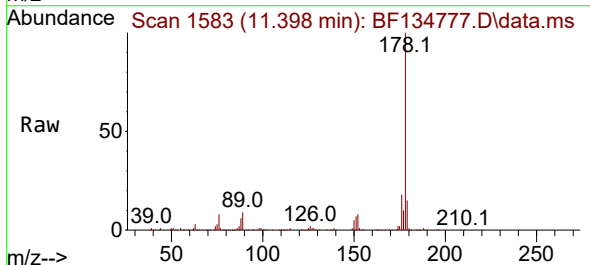
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

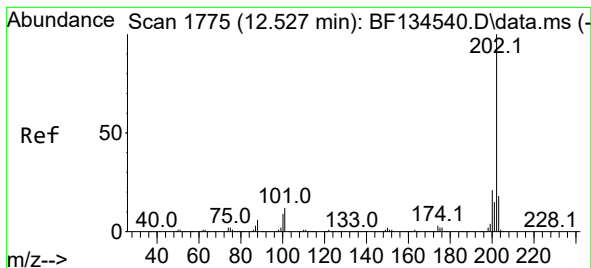
Tgt Ion:178 Resp: 426298
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.7 19.1



#72
Anthracene
Concen: 3.097 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

Tgt Ion:178 Resp: 112484
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 15.1 12.3 18.5





#75

Fluoranthene

Concen: 3.609 ng

RT: 12.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

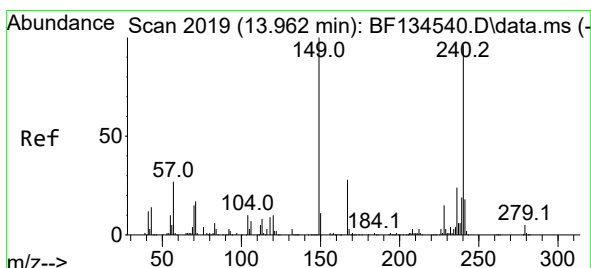
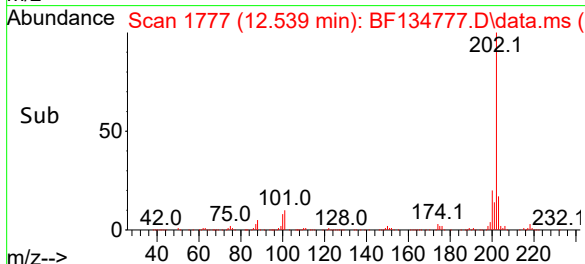
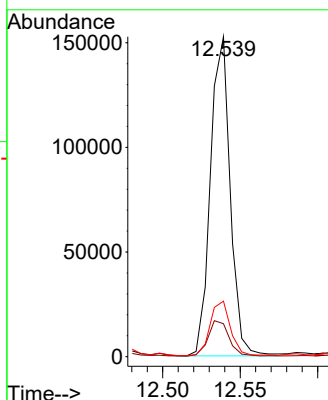
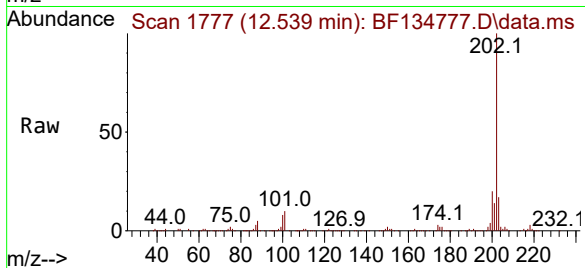
Tgt Ion:202 Resp: 135544

Ion Ratio Lower Upper

202 100

101 10.3 0.0 28.5

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

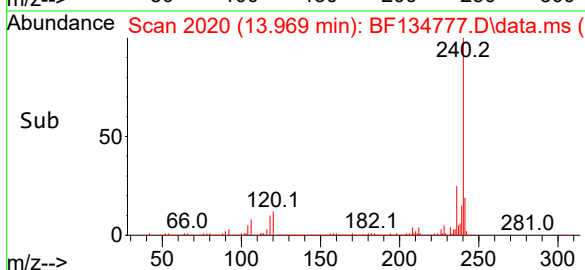
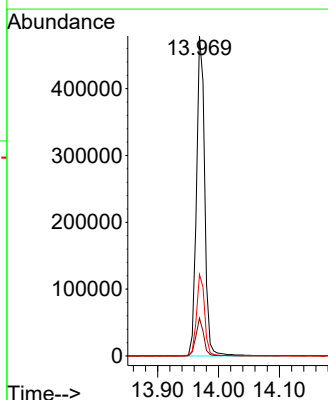
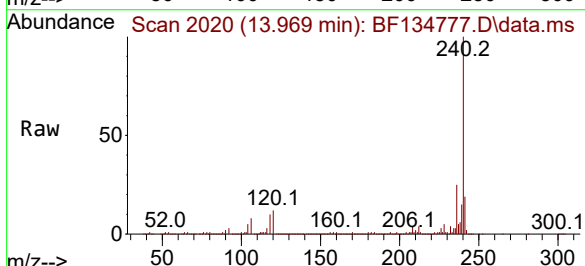
Tgt Ion:240 Resp: 450390

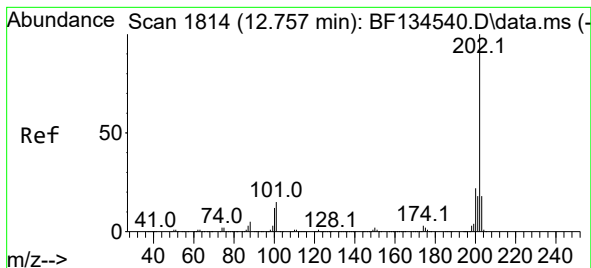
Ion Ratio Lower Upper

240 100

120 11.8 6.6 10.0#

236 25.4 20.2 30.2





#78

Pyrene

Concen: 5.162 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

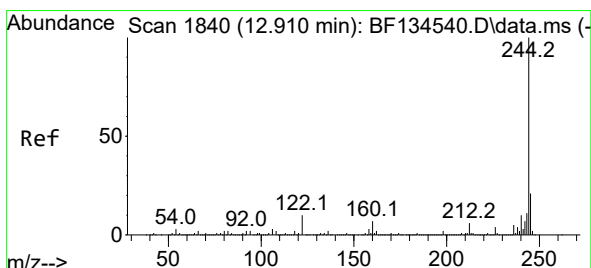
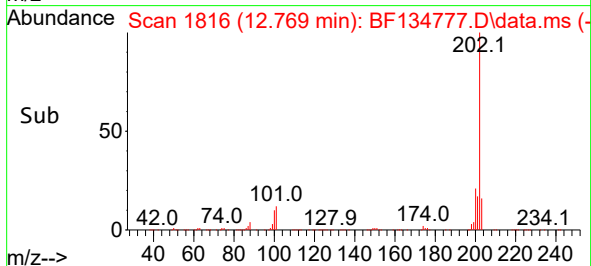
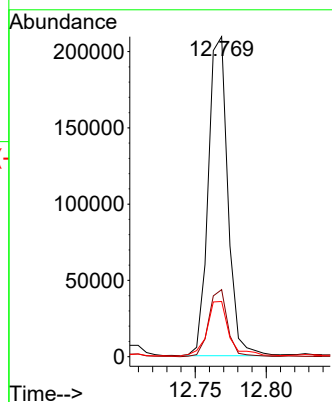
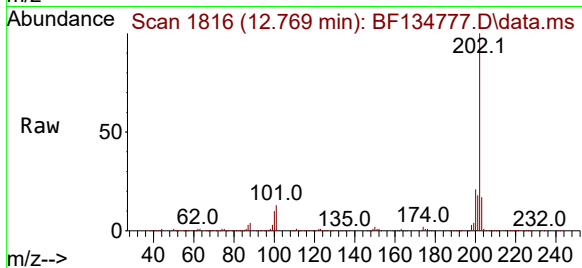
Tgt Ion:202 Resp: 201196

Ion Ratio Lower Upper

202 100

200 21.0 15.8 23.8

203 17.3 13.5 20.3



#79

Terphenyl-d14

Concen: 0.269 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134777.D

Acq: 15 Aug 2023 10:20

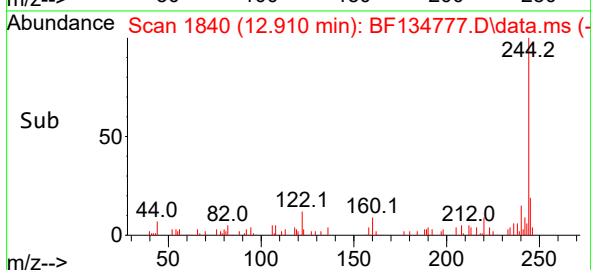
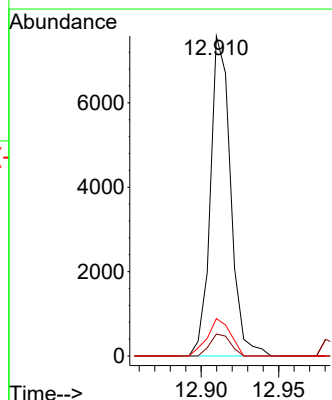
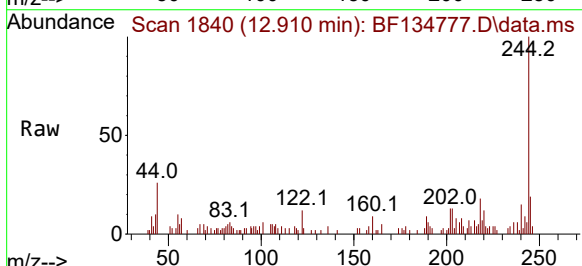
Tgt Ion:244 Resp: 6874

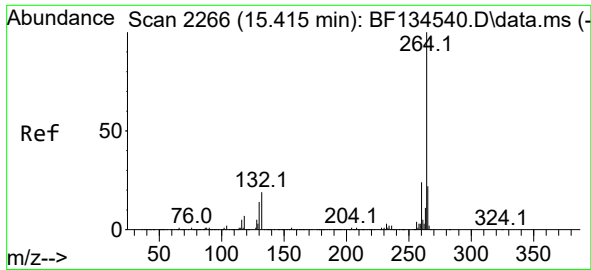
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.7 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134777.D

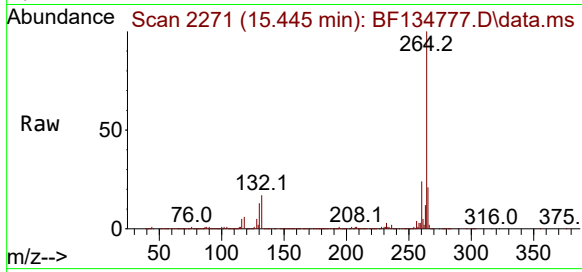
Acq: 15 Aug 2023 10:20

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL



Tgt Ion:264 Resp: 381842

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.5 15.8 23.8

