

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134754.D
 Acq On : 14 Aug 2023 12:07
 Operator : CG\JU
 Sample : 03958-03DL2 250X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 14 20:22:20 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)

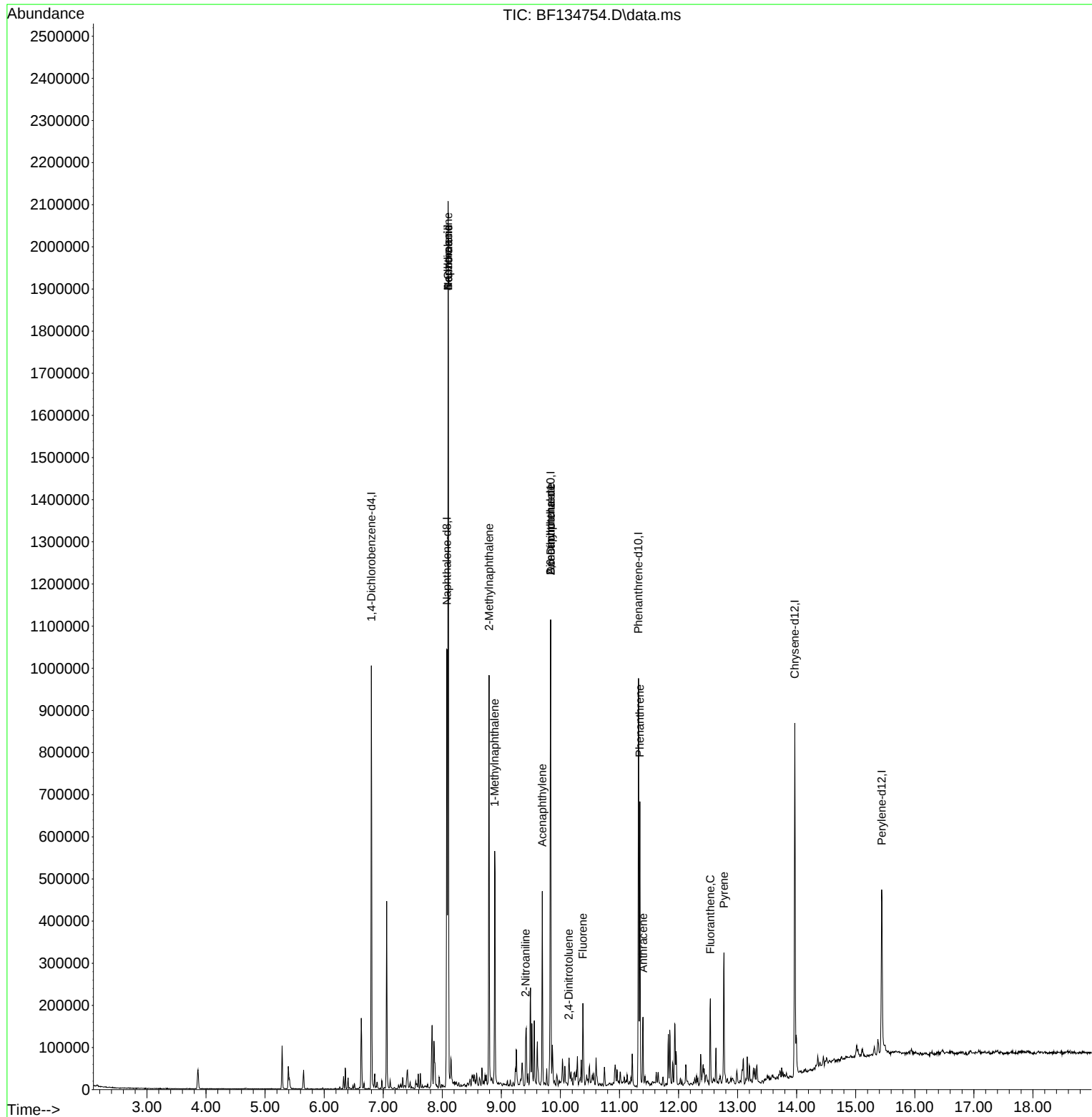
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136636	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	491786	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	209895	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	338775	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	265491	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	202769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1321	0.147	ng	0.00
7) Phenol-d6	6.434	99	1360	0.118	ng	0.00
23) Nitrobenzene-d5	7.357	82	1318	0.167	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	239	0.112	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	3548	0.281	ng	-0.01
79) Terphenyl-d14	12.916	244	4115	0.273	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	1892	Below Cal	#	1
31) Naphthalene	8.098	128	880570	35.627	ng	99
32) Benzoic acid	8.098	122	2038	8.208	ng	# 1
33) 4-Chloroaniline	8.098	127	116505	10.579	ng	# 30
37) 2-Methylnaphthalene	8.792	142	242954	14.830	ng	99
38) 1-Methylnaphthalene	8.887	142	151123	9.920	ng	98
48) 2-Nitroaniline	9.410	65	903	3.387	ng	# 8
49) Acenaphthylene	9.692	152	150064	7.806	ng	97
50) Dimethylphthalate	9.834	163	42587	2.977	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	29264	11.960	ng	# 17
57) 2,4-Dinitrotoluene	10.139	165	3129	3.682	ng	# 45
58) Fluorene	10.381	166	54435	4.214	ng	92
71) Phenanthrene	11.345	178	230142	12.790	ng	98
72) Anthracene	11.398	178	64694	3.520	ng	99
75) Fluoranthene	12.539	202	79963	4.207	ng	95
78) Pyrene	12.769	202	127815	5.564	ng	100

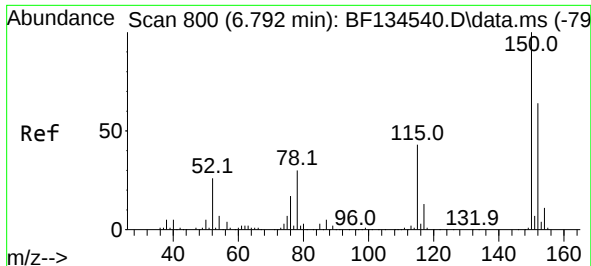
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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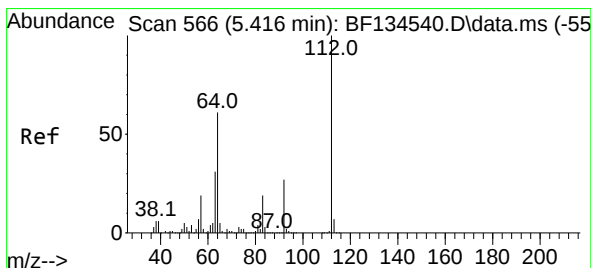
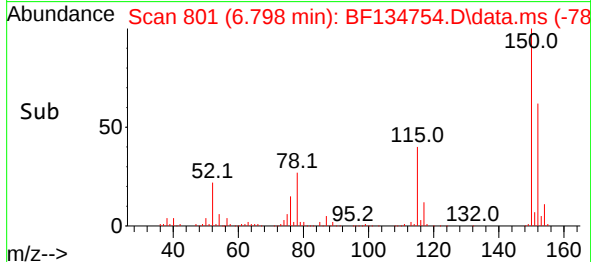
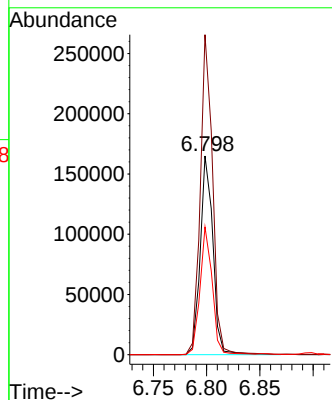
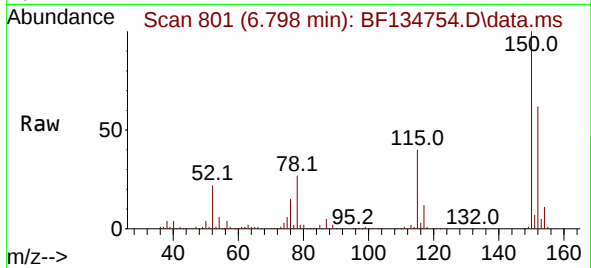




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

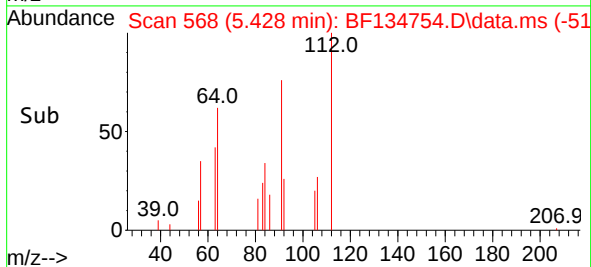
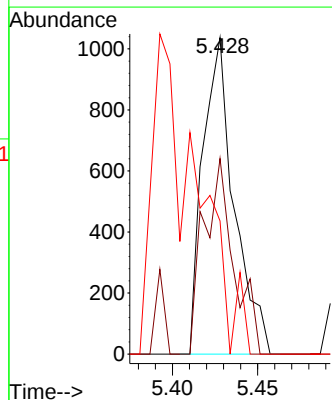
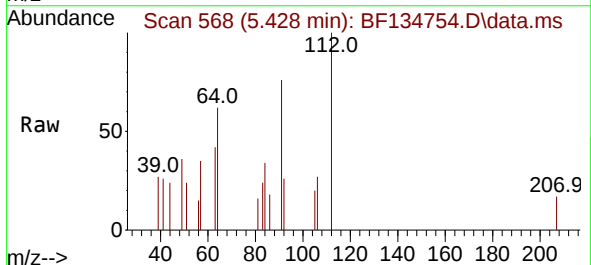
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

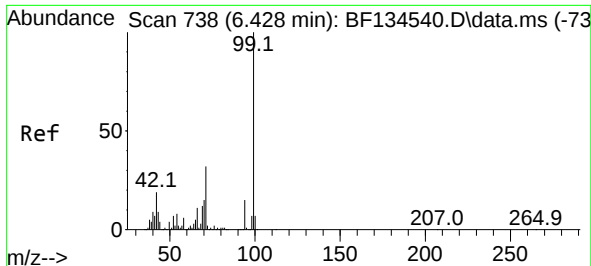
Tgt Ion:152 Resp: 136636
Ion Ratio Lower Upper
152 100
150 161.0 128.3 192.5
115 64.2 52.4 78.6



#5
2-Fluorophenol
Concen: 0.147 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion:112 Resp: 1321
Ion Ratio Lower Upper
112 100
64 61.8 44.9 67.3
63 42.0 25.4 38.0#





#7

Phenol-d6

Concen: 0.118 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134754.D

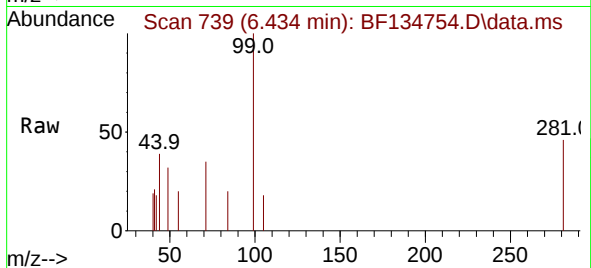
Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL



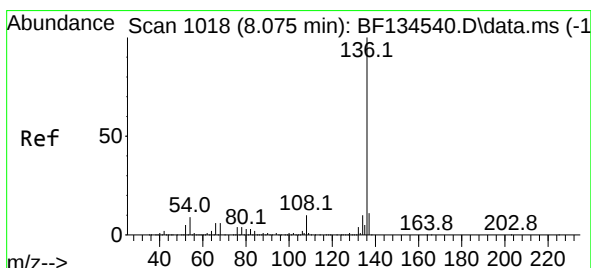
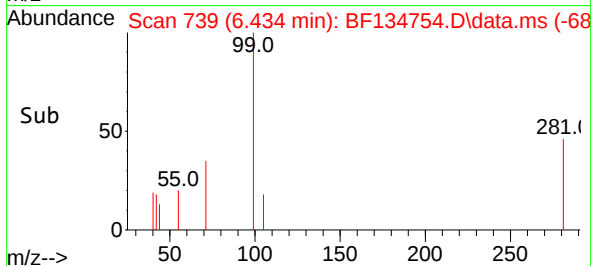
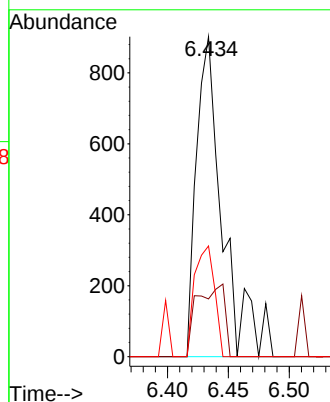
Tgt Ion: 99 Resp: 1360

Ion Ratio Lower Upper

99 100

42 18.1 18.7 28.1#

71 34.6 36.4 54.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

Tgt Ion: 136 Resp: 491786

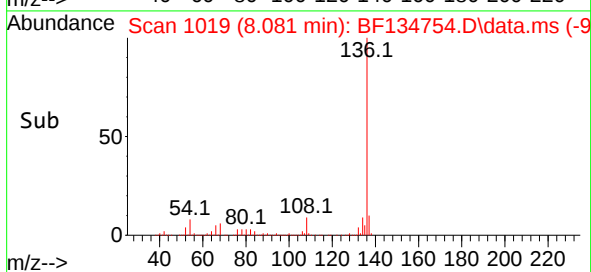
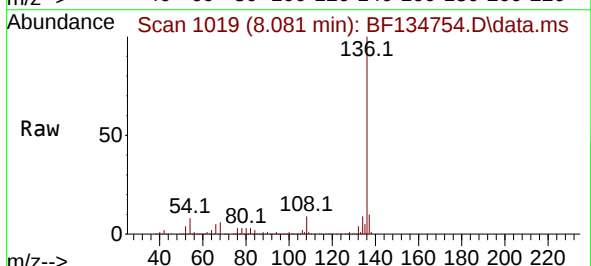
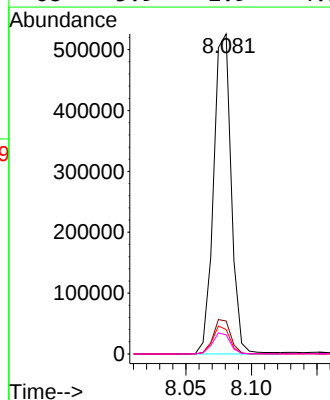
Ion Ratio Lower Upper

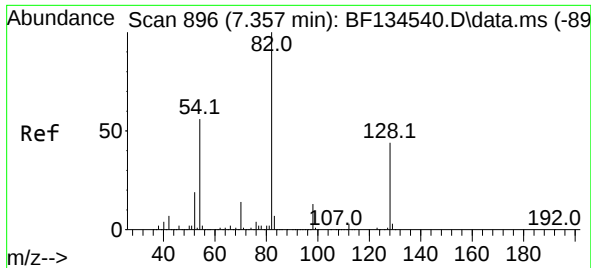
136 100

137 10.3 8.4 12.6

54 7.7 5.2 7.8

68 5.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.167 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

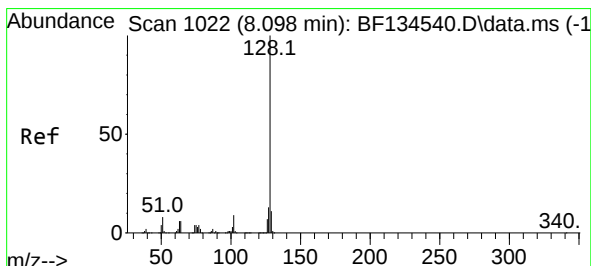
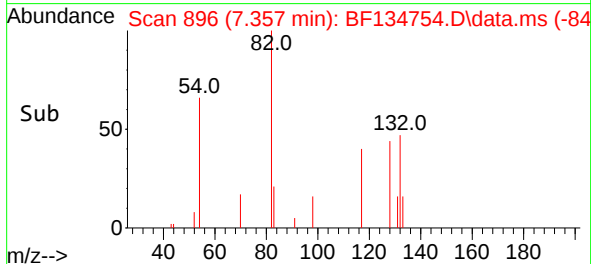
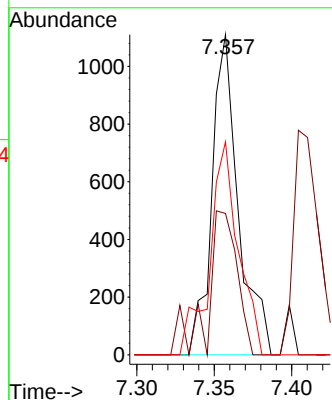
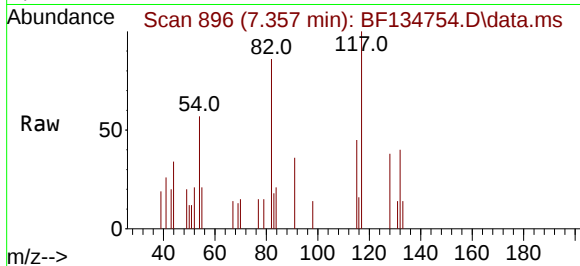
Tgt Ion: 82 Resp: 1318

Ion Ratio Lower Upper

82 100

128 44.1 34.3 51.5

54 66.5 43.8 65.6#



#31

Naphthalene

Concen: 35.627 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

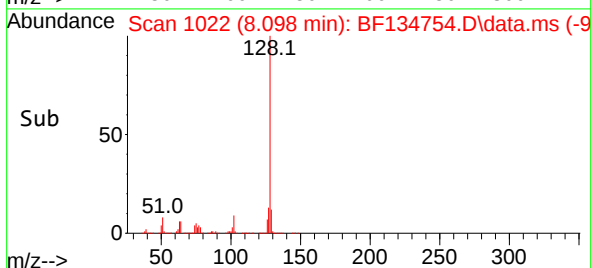
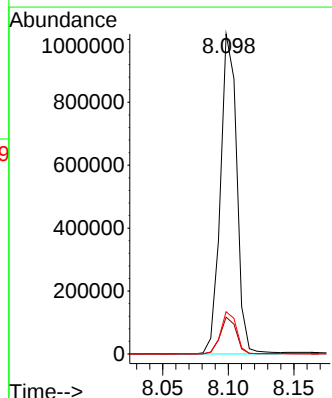
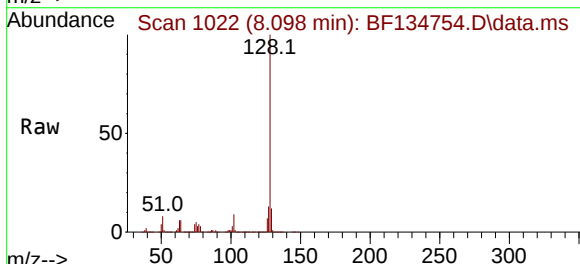
Tgt Ion: 128 Resp: 880570

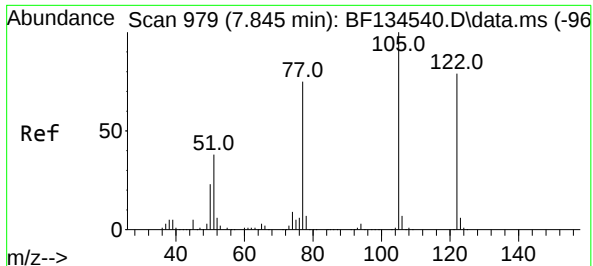
Ion Ratio Lower Upper

128 100

129 11.5 8.4 12.6

127 13.2 10.7 16.1

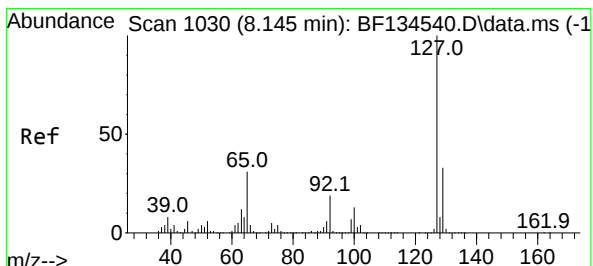
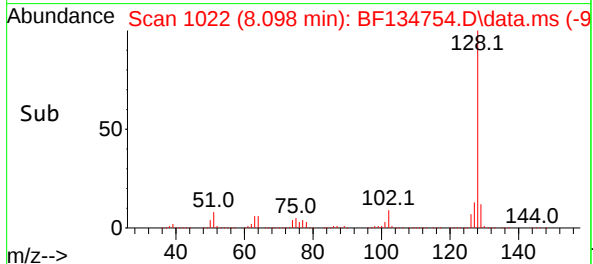
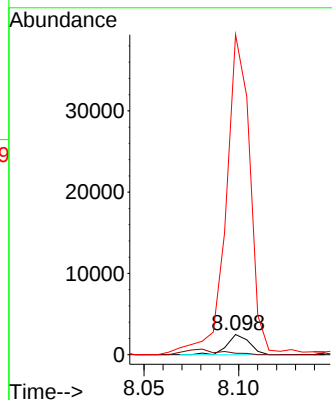
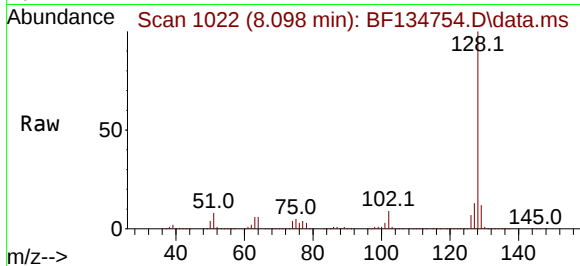




#32
Benzoic acid
Concen: 8.208 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.235 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

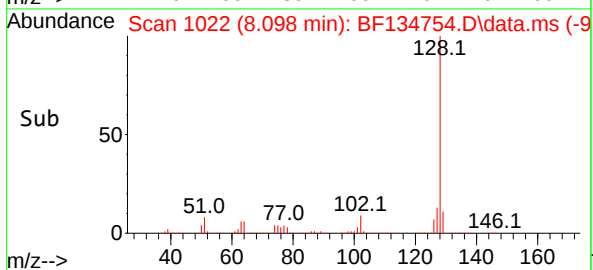
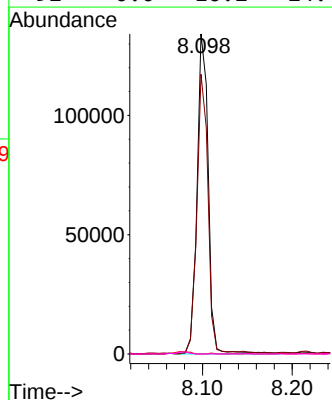
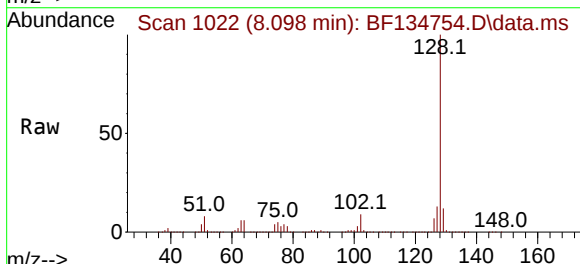
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

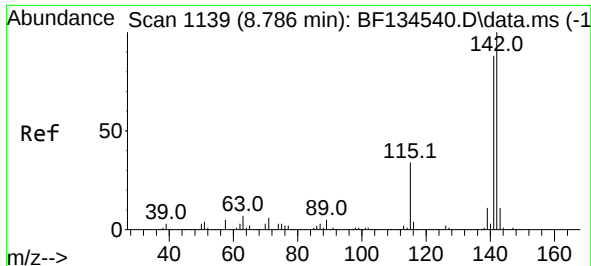
Tgt Ion:122 Resp: 2038
Ion Ratio Lower Upper
122 100
105 7.6 87.5 127.5#
77 1590.9 71.4 111.4#



#33
4-Chloroaniline
Concen: 10.579 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.053 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion:127 Resp: 116505
Ion Ratio Lower Upper
127 100
129 87.4 25.6 38.4#
65 0.0 25.4 38.0#
92 0.0 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 14.830 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

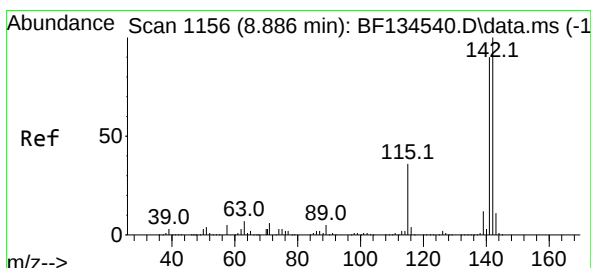
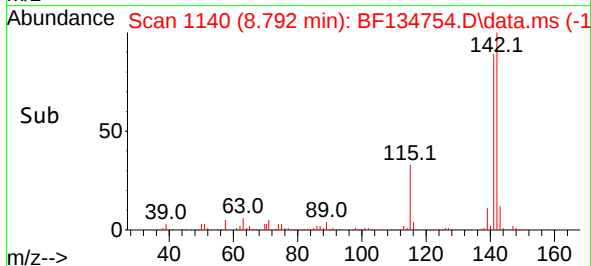
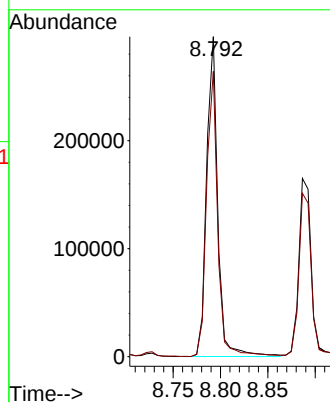
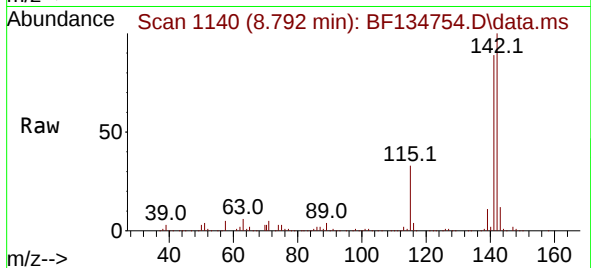
NEVINS-SB02-Z64-65DL

Tgt Ion:142 Resp: 242954

Ion Ratio Lower Upper

142 100

141 89.2 70.8 106.2



#38

1-Methylnaphthalene

Concen: 9.920 ng

RT: 8.887 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF134754.D

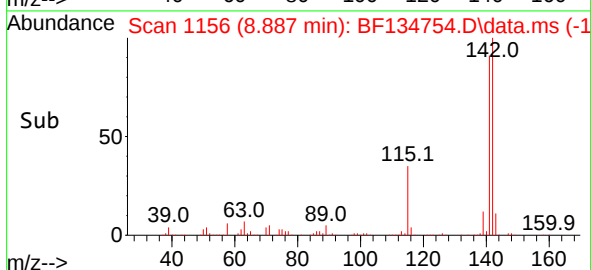
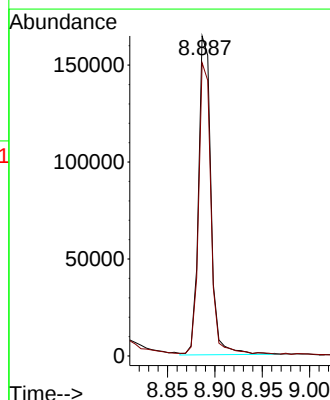
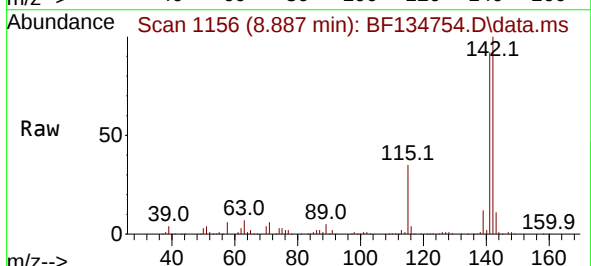
Acq: 14 Aug 2023 12:07

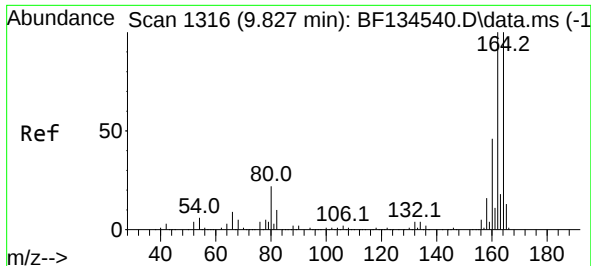
Tgt Ion:142 Resp: 151123

Ion Ratio Lower Upper

142 100

141 91.6 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

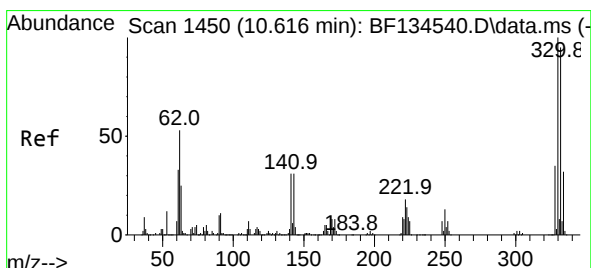
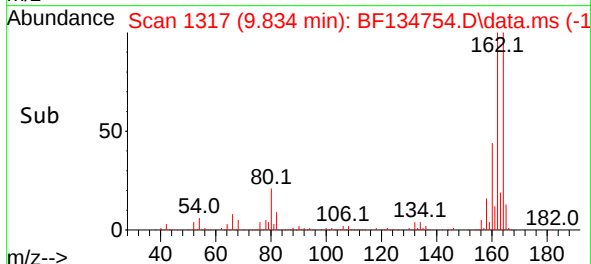
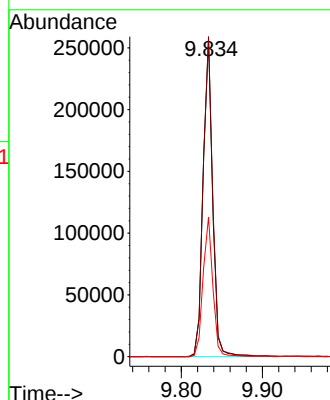
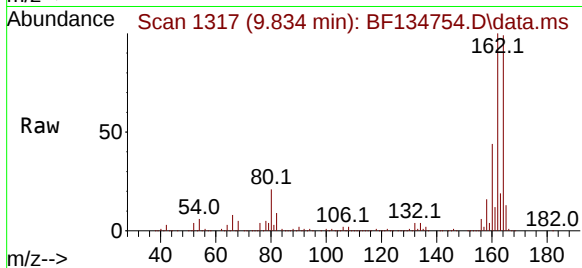
Tgt Ion:164 Resp: 209895

Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

160 44.0 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 0.112 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

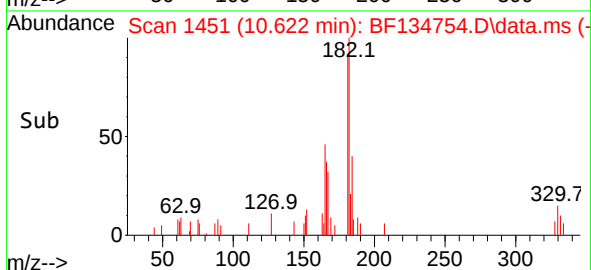
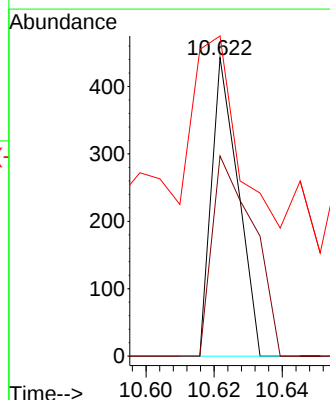
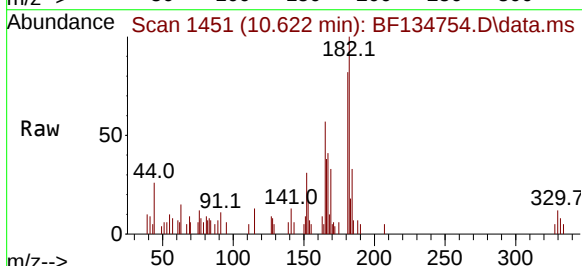
Tgt Ion:330 Resp: 239

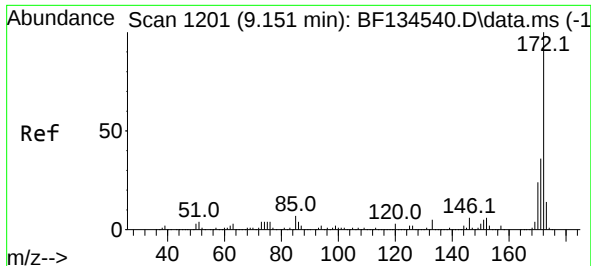
Ion Ratio Lower Upper

330 100

332 104.2 78.8 118.2

141 106.7 25.4 38.2#

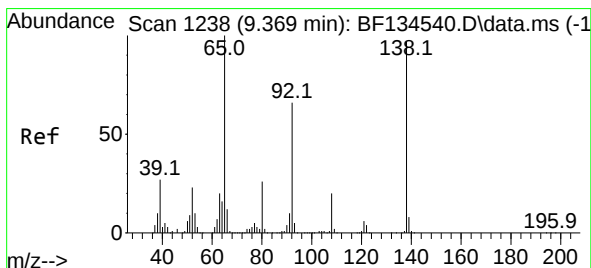
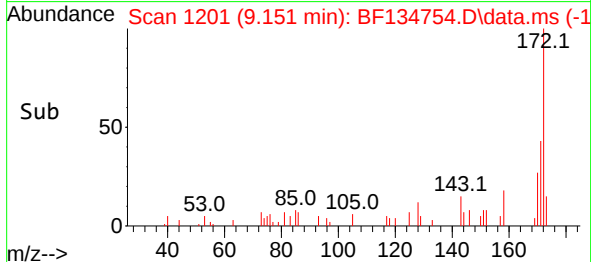
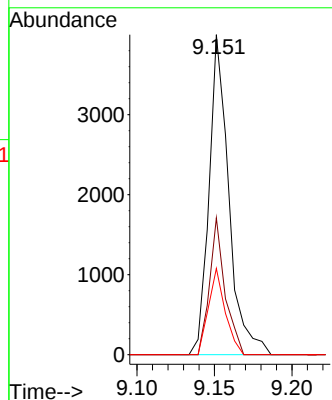
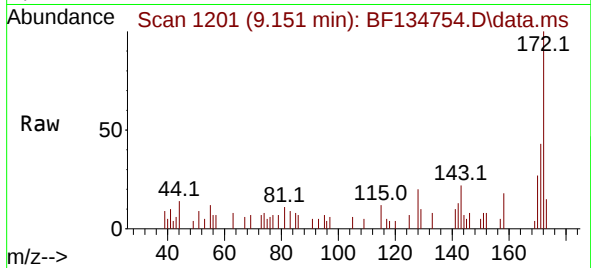




#45
2-Fluorobiphenyl
Concen: 0.281 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

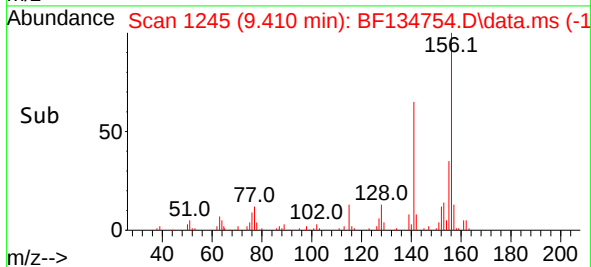
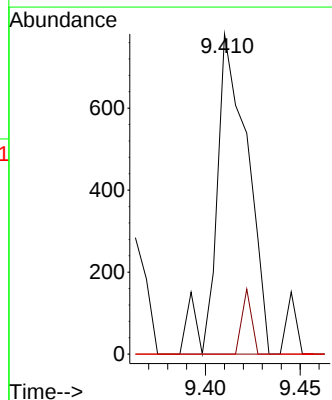
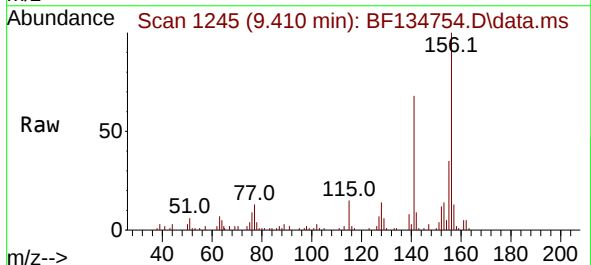
Instrument :
BNA_F
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NEVINS-SB02-Z64-65DL

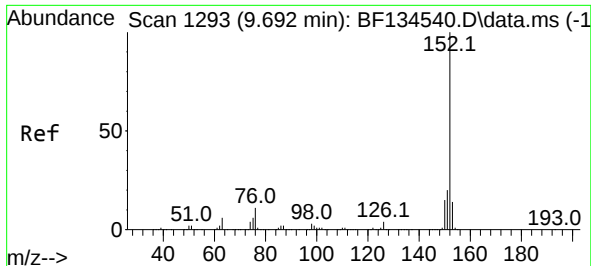
Tgt Ion:172 Resp: 3548
Ion Ratio Lower Upper
172 100
171 42.8 28.8 43.2
170 27.0 18.7 28.1



#48
2-Nitroaniline
Concen: 3.387 ng
RT: 9.410 min Scan# 1245
Delta R.T. 0.030 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion: 65 Resp: 903
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#

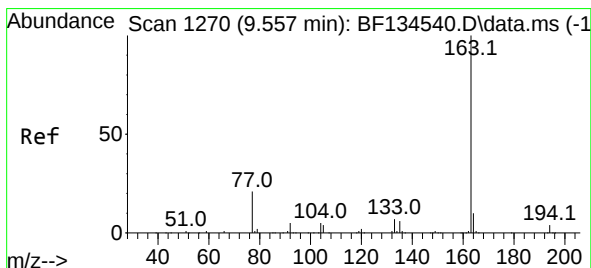
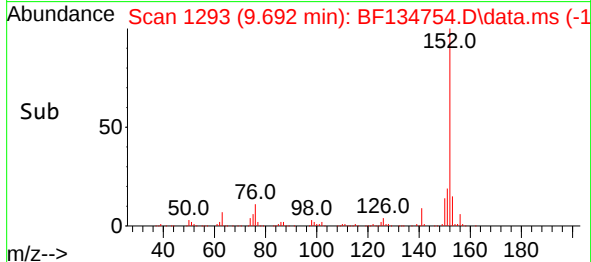
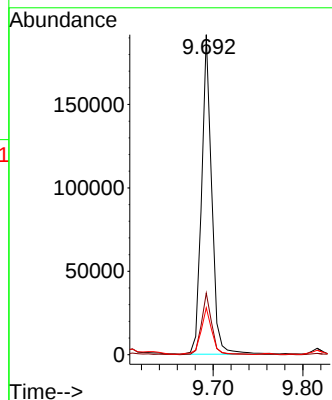
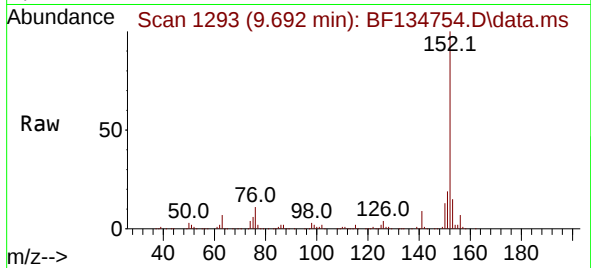




#49
Acenaphthylene
Concen: 7.806 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

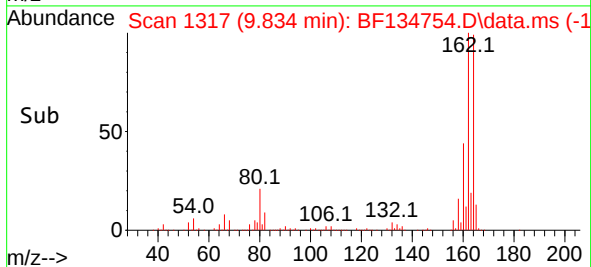
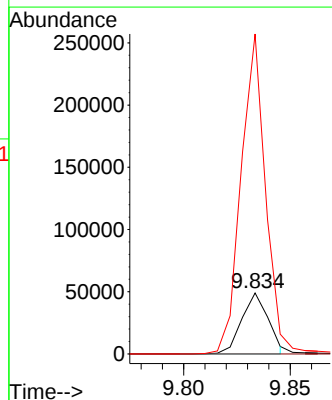
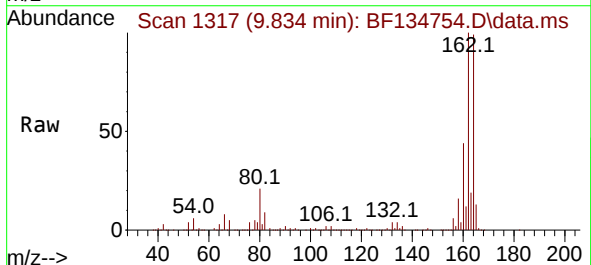
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

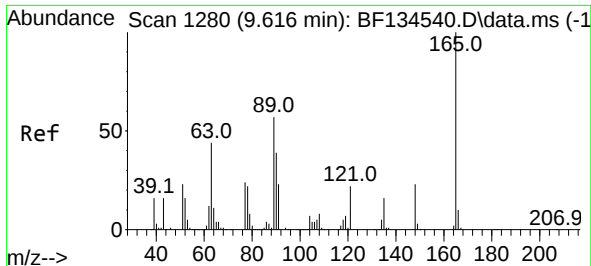
Tgt Ion:152 Resp: 150064
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 14.7 10.9 16.3



#50
Dimethylphthalate
Concen: 2.977 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion:163 Resp: 42587
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 524.2 7.5 11.3#

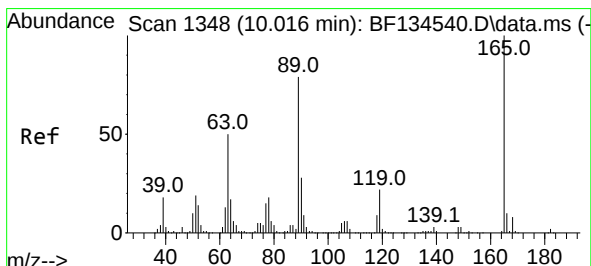
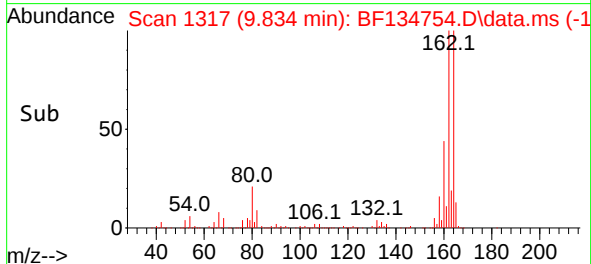
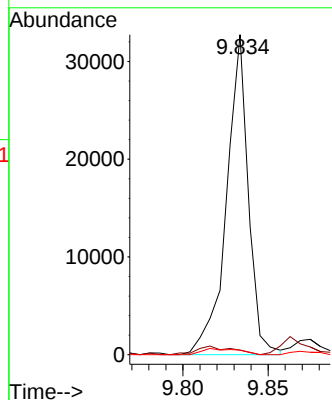
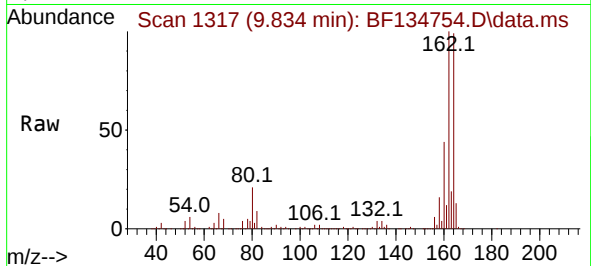




#51
2,6-Dinitrotoluene
Concen: 11.960 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

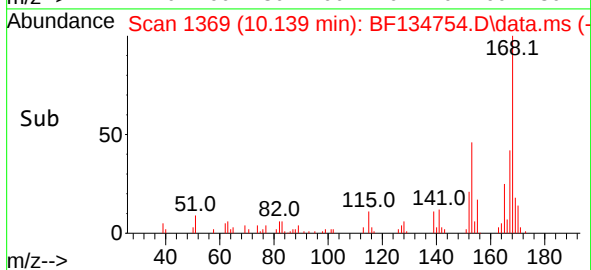
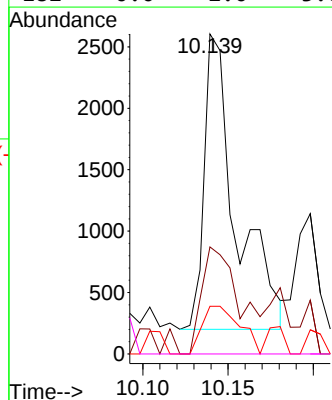
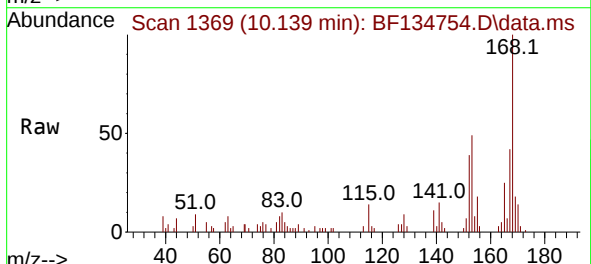
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

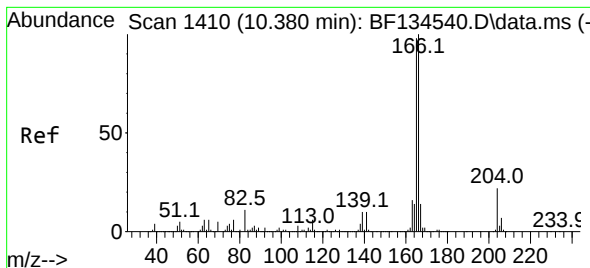
Tgt Ion:165 Resp: 29264
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.4 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 3.682 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.112 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion:165 Resp: 3129
Ion Ratio Lower Upper
165 100
63 33.4 48.9 73.3#
89 14.9 61.7 92.5#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 4.214 ng

RT: 10.381 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

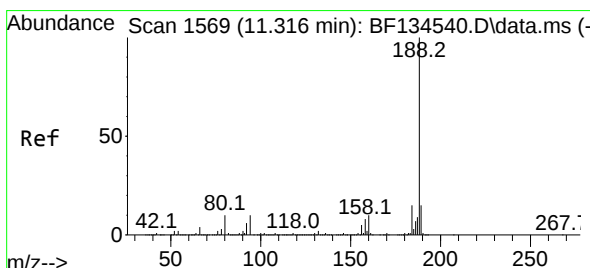
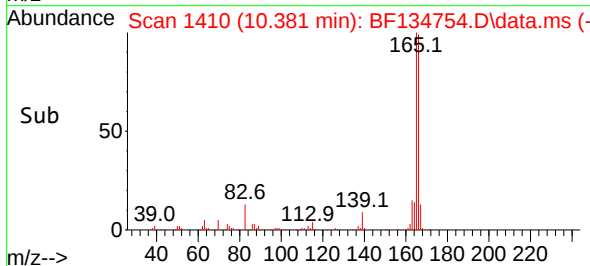
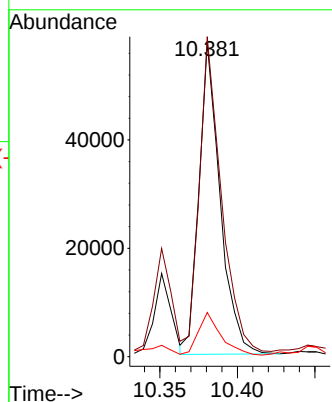
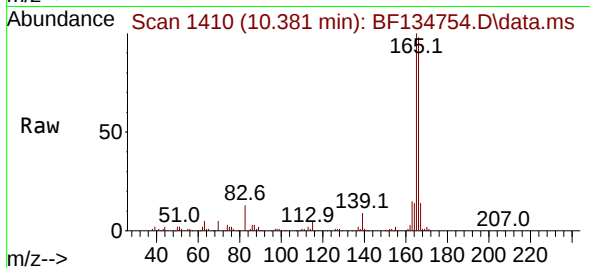
Tgt Ion:166 Resp: 54435

Ion Ratio Lower Upper

166 100

165 101.9 74.5 111.7

167 14.1 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.000 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

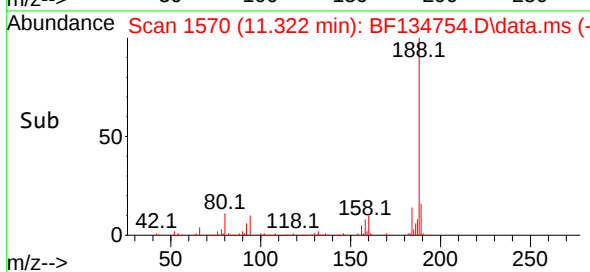
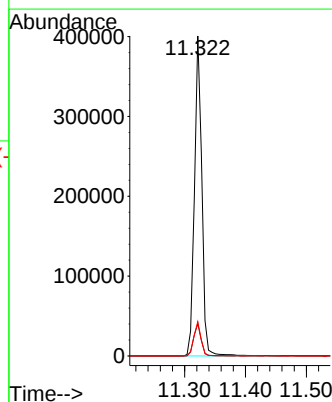
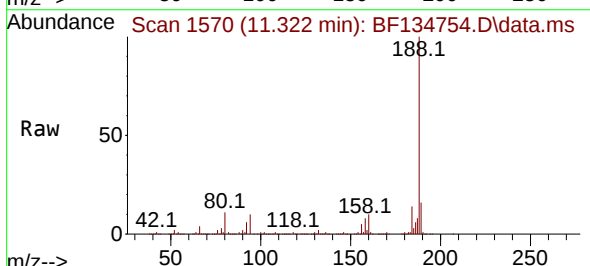
Tgt Ion:188 Resp: 338775

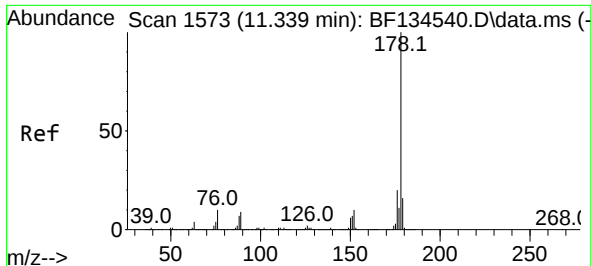
Ion Ratio Lower Upper

188 100

94 10.0 5.1 7.7#

80 10.7 6.6 9.8#

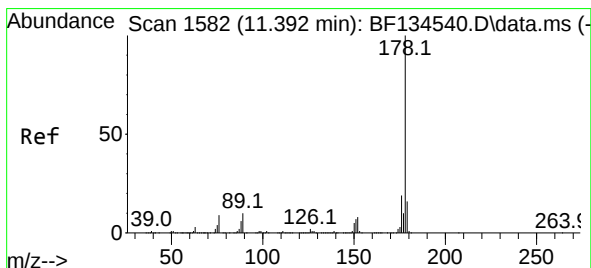
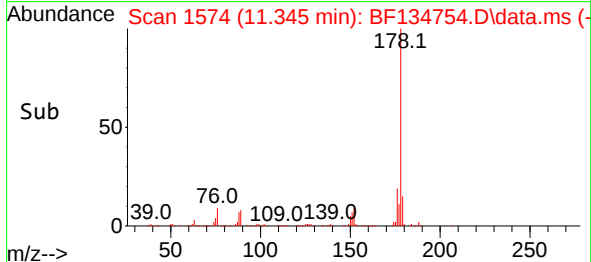
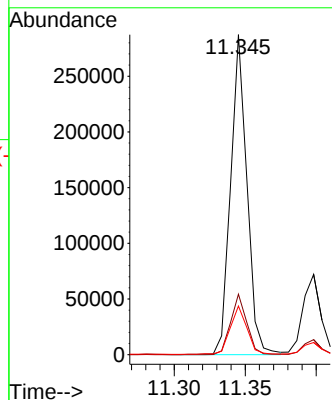
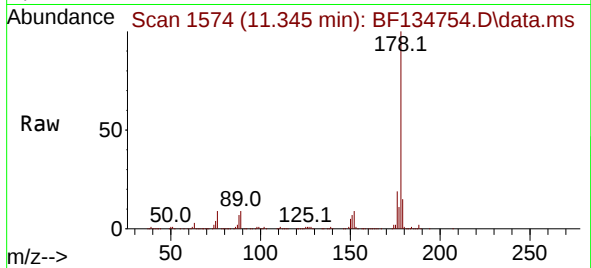




#71
Phenanthrene
Concen: 12.790 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

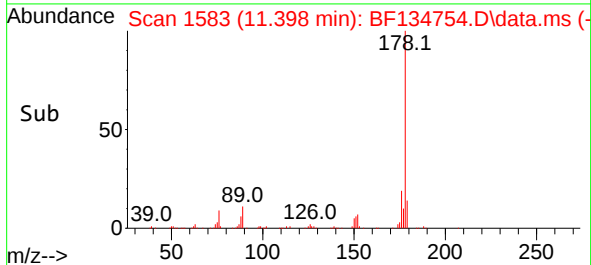
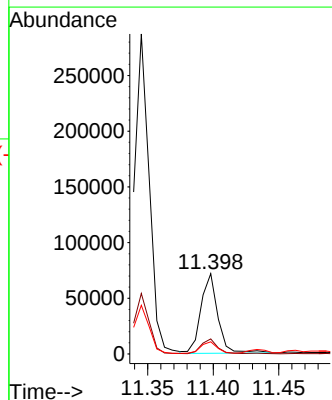
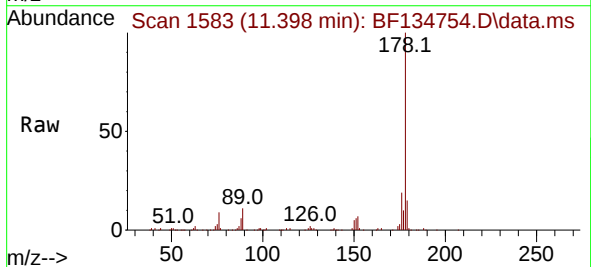
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

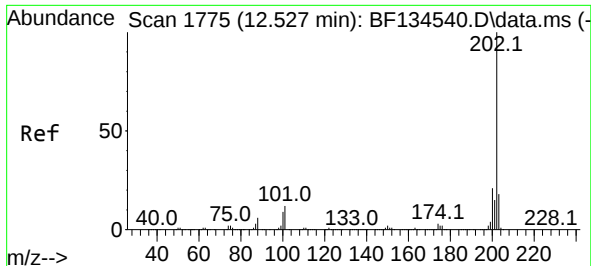
Tgt Ion:178 Resp: 230142
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.2 12.7 19.1



#72
Anthracene
Concen: 3.520 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion:178 Resp: 64694
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.2 12.3 18.5

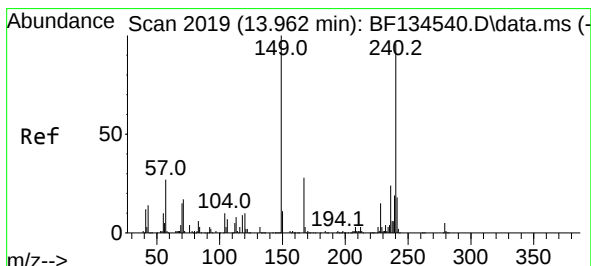
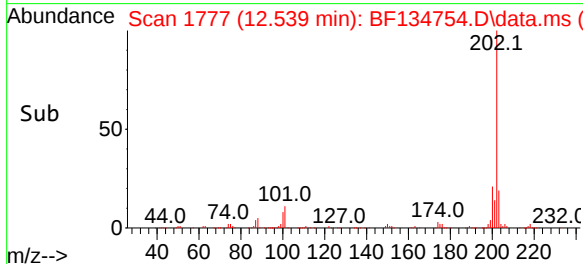
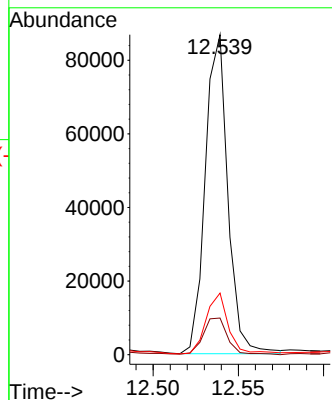
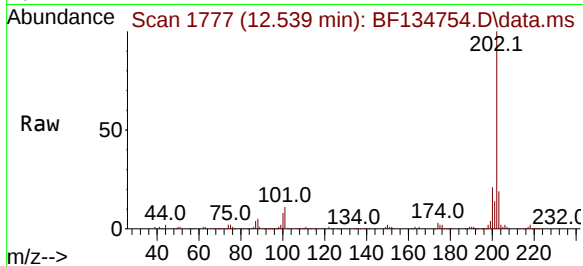




#75
Fluoranthene
Concen: 4.207 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

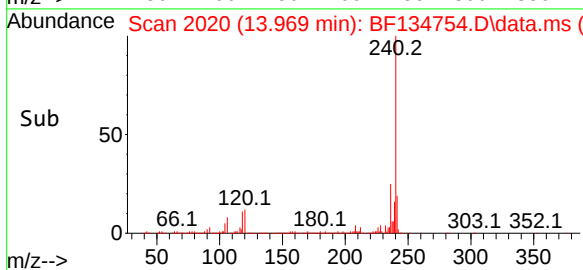
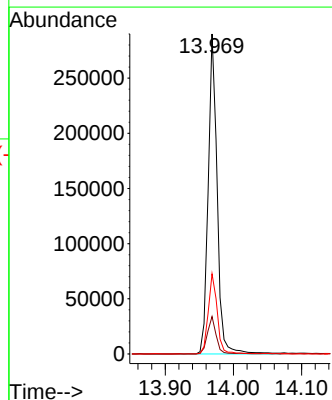
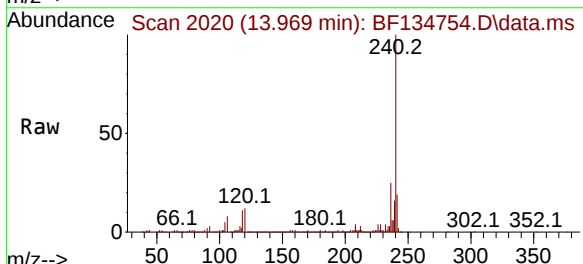
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

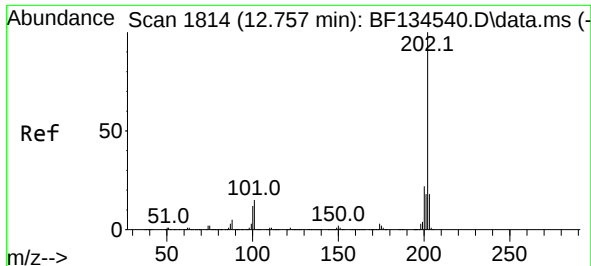
Tgt Ion:202 Resp: 79963
Ion Ratio Lower Upper
202 100
101 11.5 0.0 28.5
203 19.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

Tgt Ion:240 Resp: 265491
Ion Ratio Lower Upper
240 100
120 11.7 6.6 10.0#
236 25.1 20.2 30.2

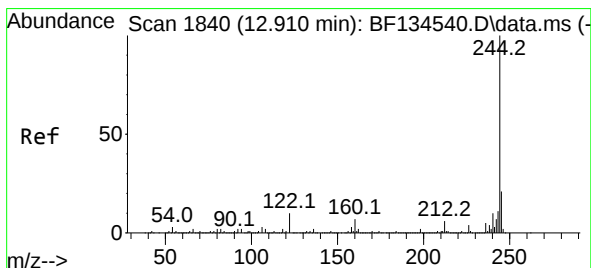
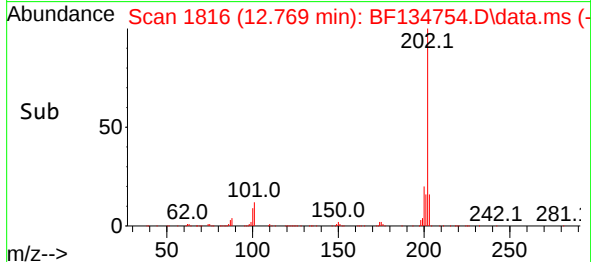
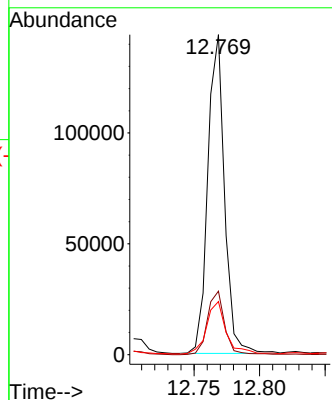
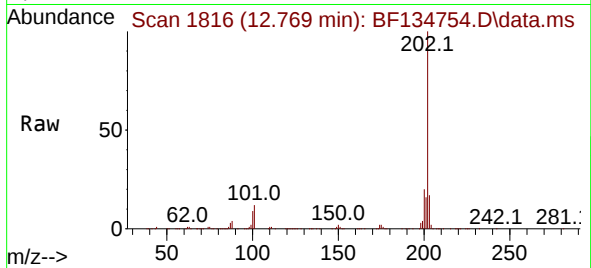




#78
 Pyrene
 Concen: 5.564 ng
 RT: 12.769 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF134754.D
 Acq: 14 Aug 2023 12:07

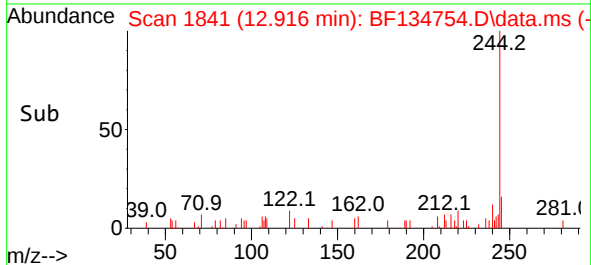
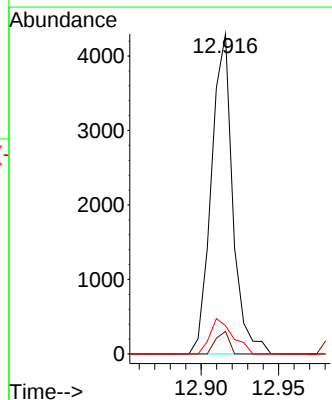
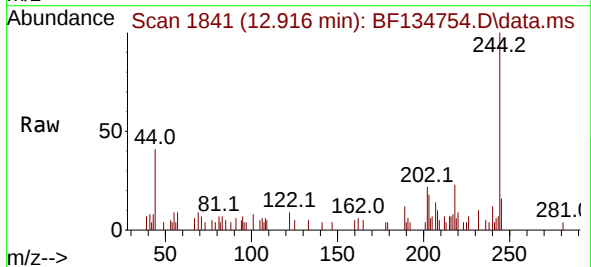
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z64-65DL

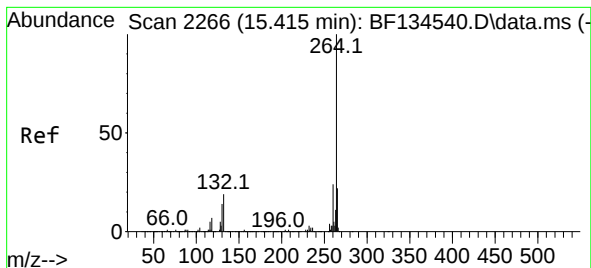
Tgt Ion:202 Resp: 127815
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.8 23.8
 203 16.6 13.5 20.3



#79
 Terphenyl-d14
 Concen: 0.273 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134754.D
 Acq: 14 Aug 2023 12:07

Tgt Ion:244 Resp: 4115
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 8.9 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134754.D

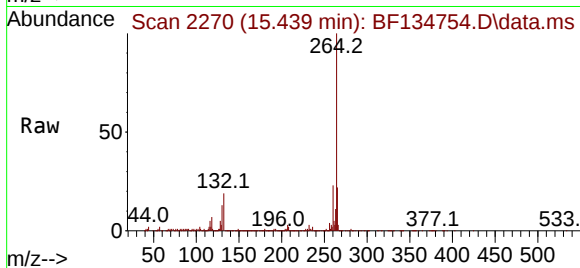
Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL



Tgt Ion:264 Resp: 202769

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 21.9 15.8 23.8

