

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

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

Quant Time: Aug 14 12:28:07 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)

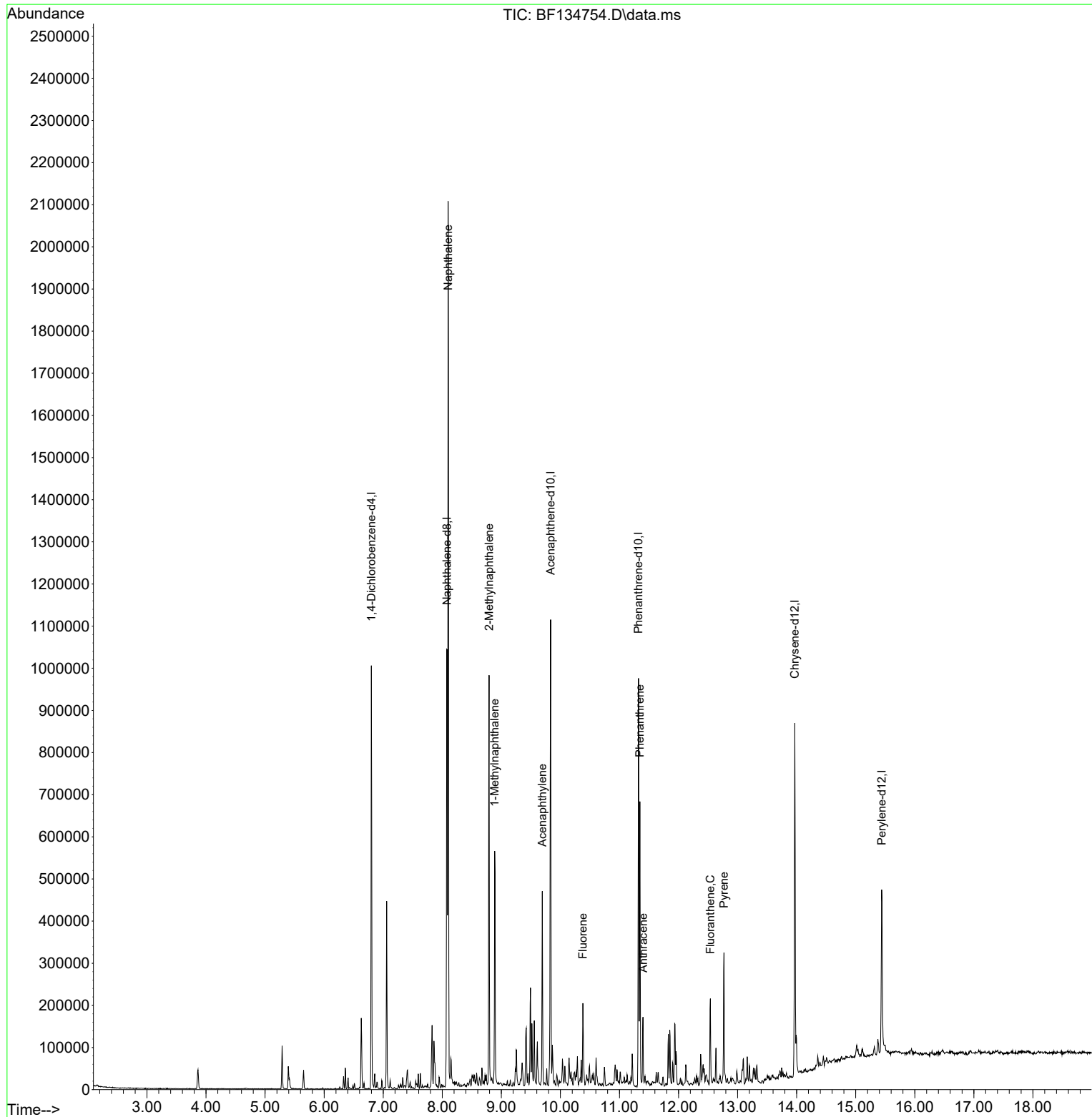
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136636	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	491786	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	209895	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	338775	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	265491	20.000	ng	# 0.00
86) 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
31) Naphthalene	8.098	128	880570	35.627	ng	99
37) 2-Methylnaphthalene	8.792	142	242954	14.830	ng	99
38) 1-Methylnaphthalene	8.887	142	151123	9.920	ng	98
49) Acenaphthylene	9.692	152	150064	7.806	ng	97
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

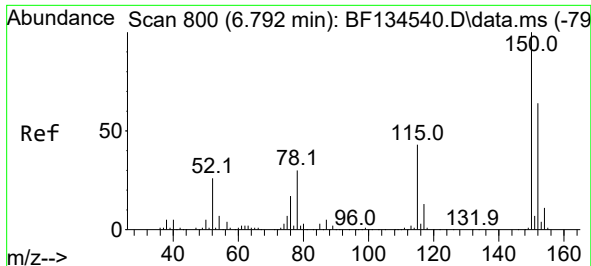
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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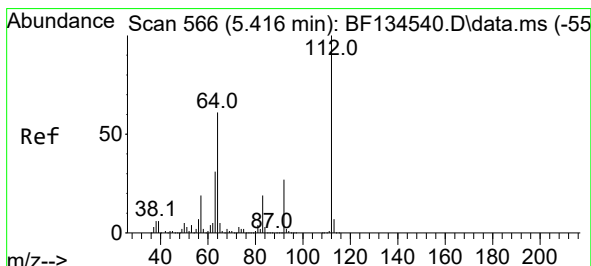
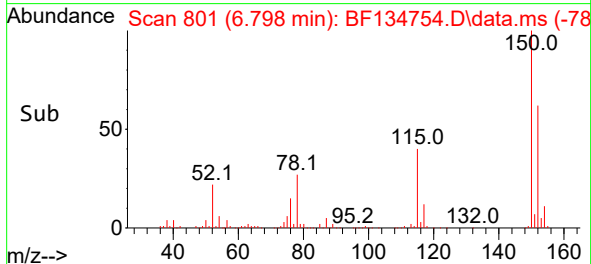
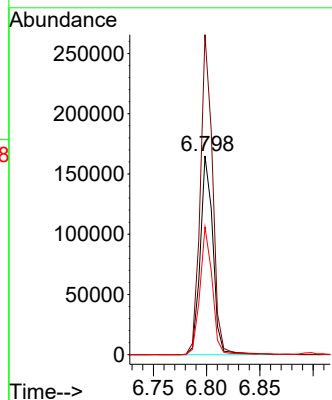
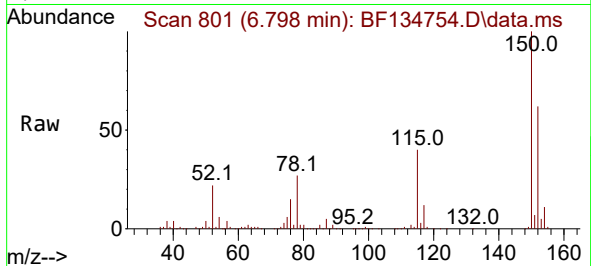




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

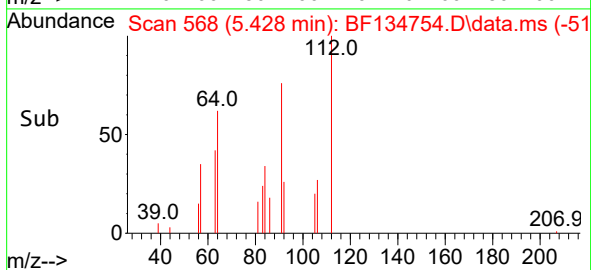
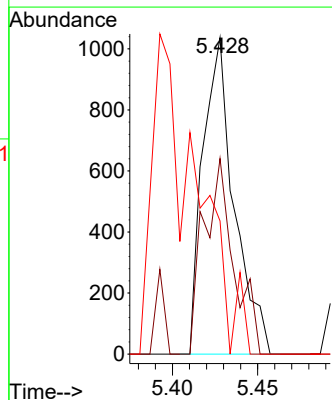
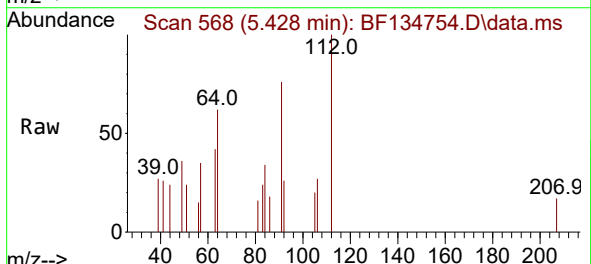
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

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#

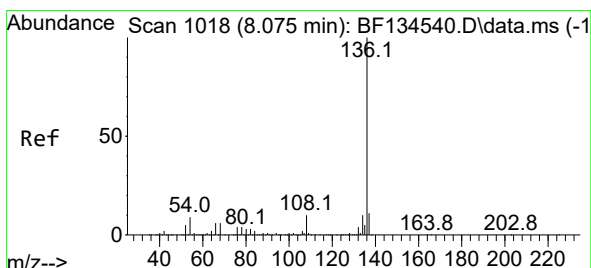
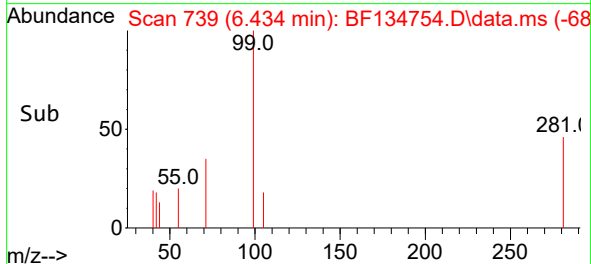
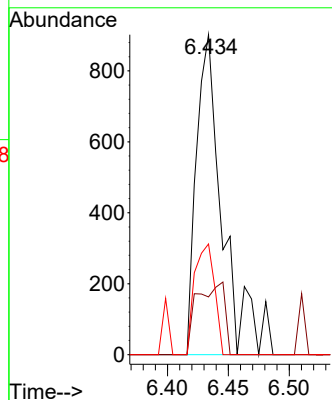
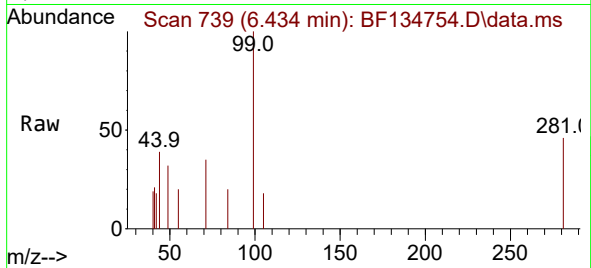




#7
Phenol-d6
Concen: 0.118 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

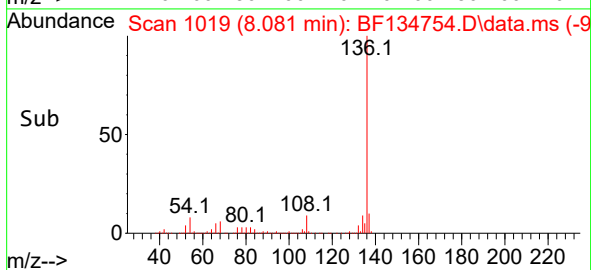
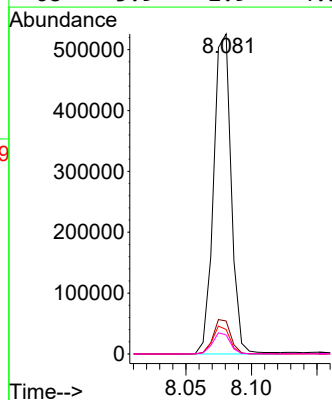
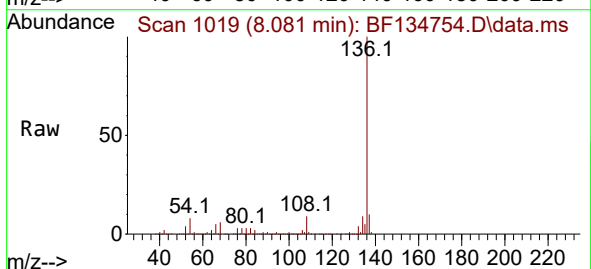
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

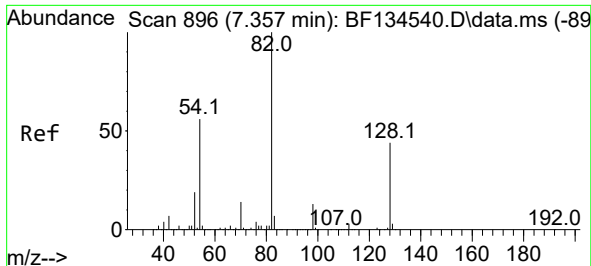
Tgt Ion: 99 Resp: 1360
Ion Ratio Lower Upper
99 100
42 18.1 18.7 28.1#
71 34.6 36.4 54.6#



#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

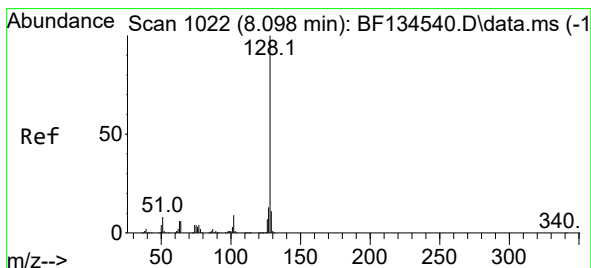
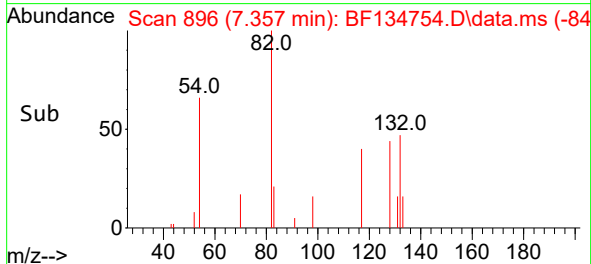
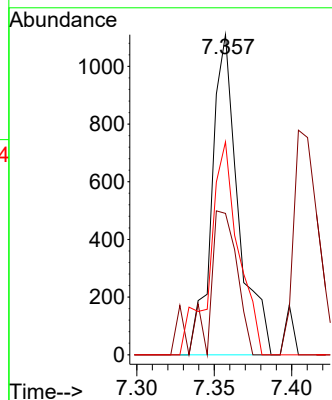
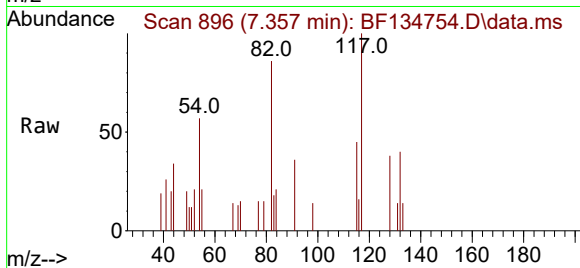
Tgt Ion: 82 Resp: 1318

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

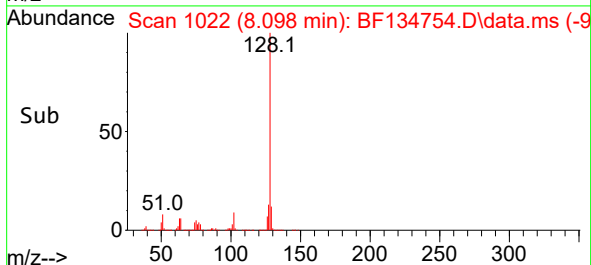
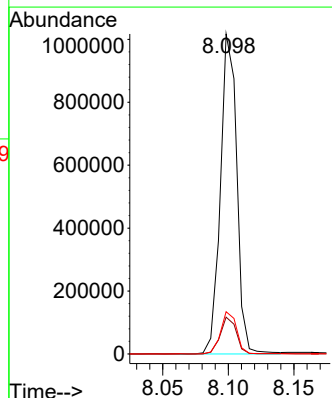
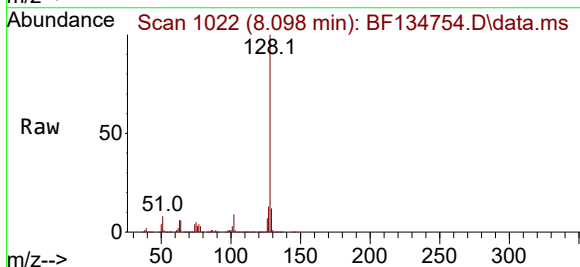
Tgt Ion: 128 Resp: 880570

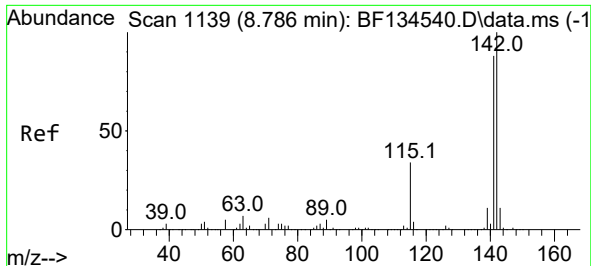
Ion Ratio Lower Upper

128 100

129 11.5 8.4 12.6

127 13.2 10.7 16.1





#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 :

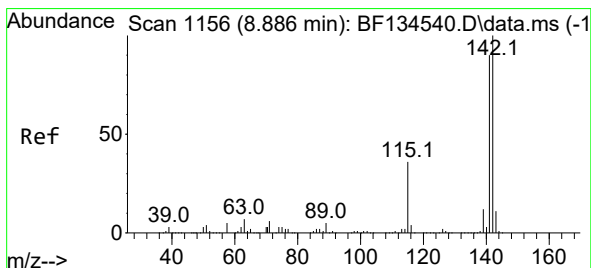
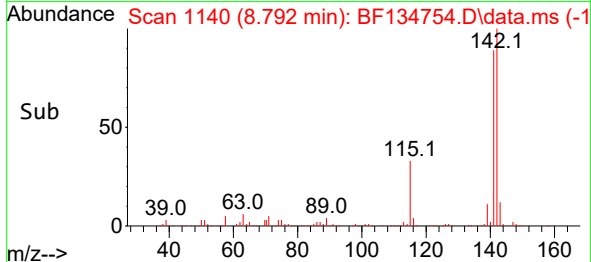
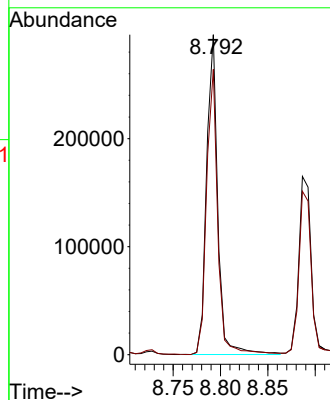
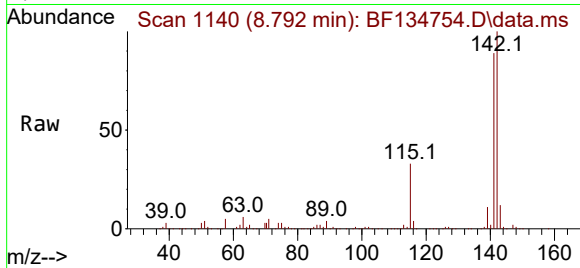
NEVINS-SB02-Z64-65DL

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

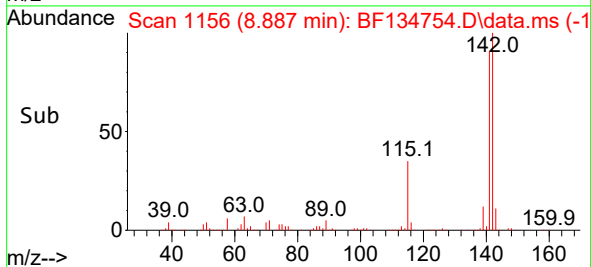
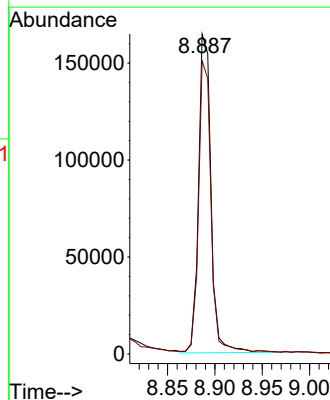
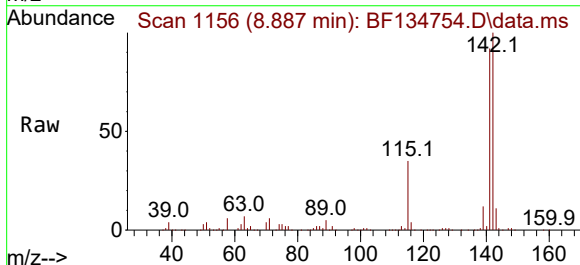
Acq: 14 Aug 2023 12:07

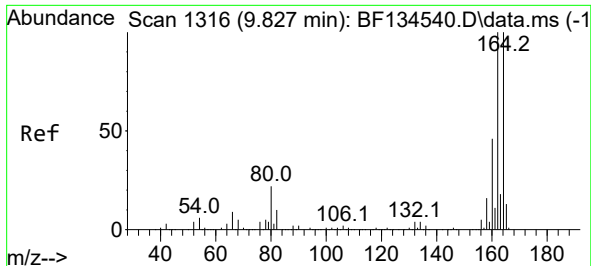
Tgt Ion:142 Resp: 151123

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

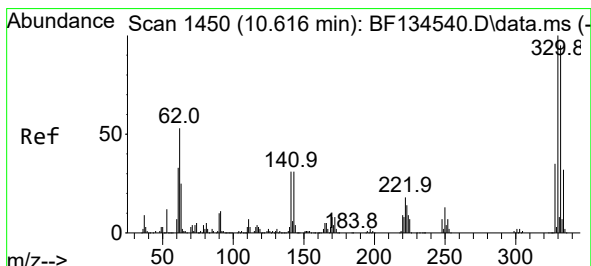
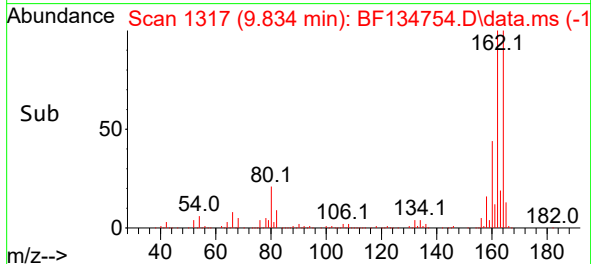
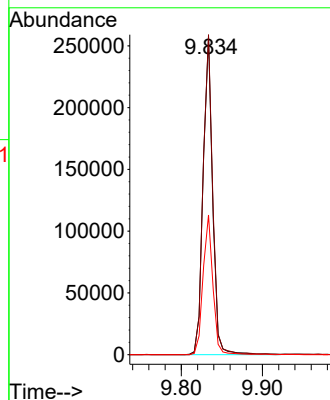
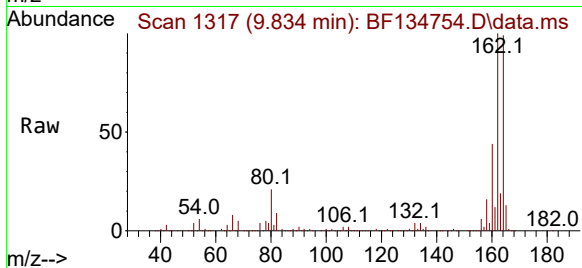
Tgt Ion:164 Resp: 209895

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

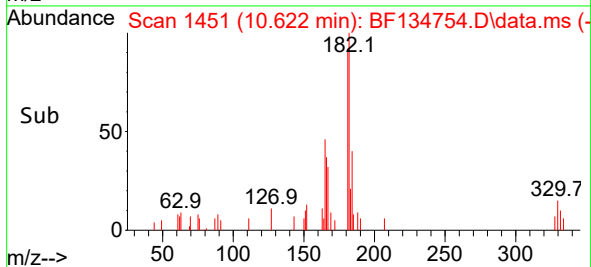
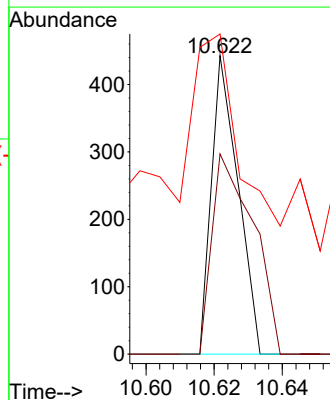
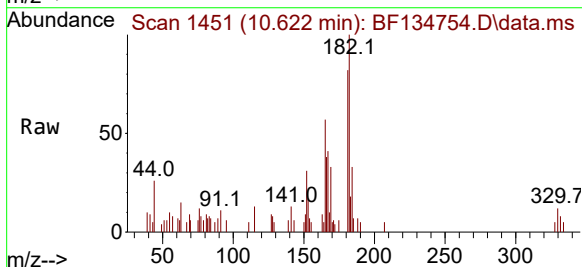
Tgt Ion:330 Resp: 239

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# 1201

Delta R.T. -0.012 min

Lab File: BF134754.D

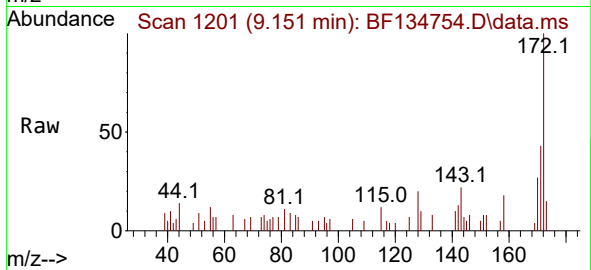
Acq: 14 Aug 2023 12:07

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL



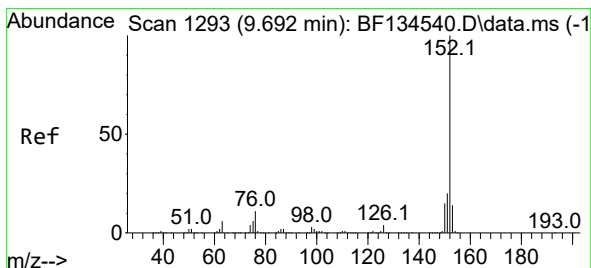
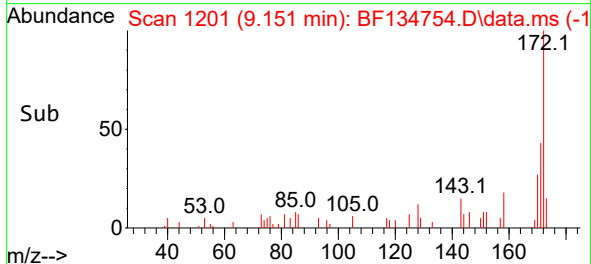
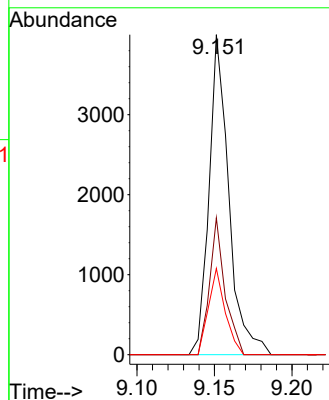
Tgt Ion:172 Resp: 3548

Ion Ratio Lower Upper

172 100

171 42.8 28.8 43.2

170 27.0 18.7 28.1



#49

Acenaphthylene

Concen: 7.806 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF134754.D

Acq: 14 Aug 2023 12:07

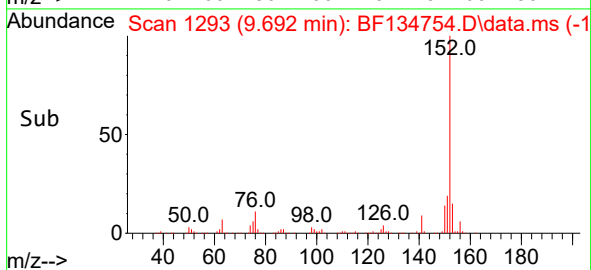
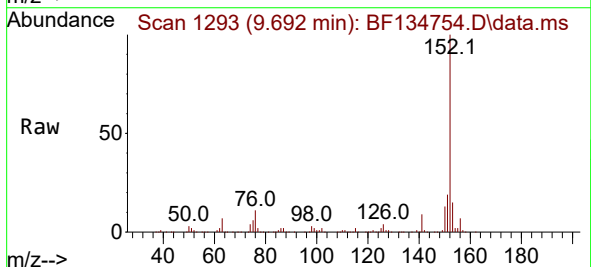
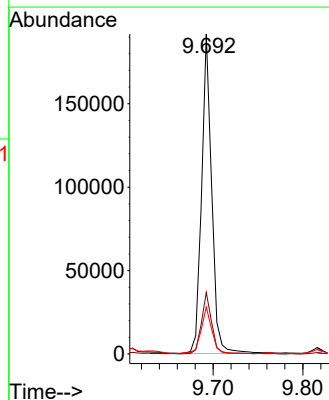
Tgt Ion:152 Resp: 150064

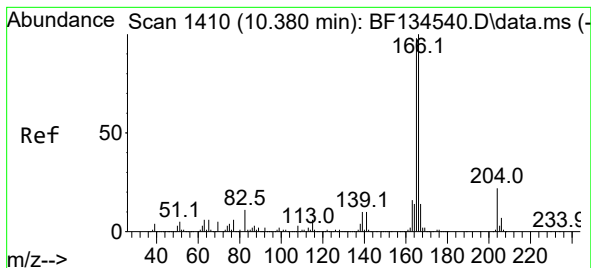
Ion Ratio Lower Upper

152 100

151 19.3 16.4 24.6

153 14.7 10.9 16.3





#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

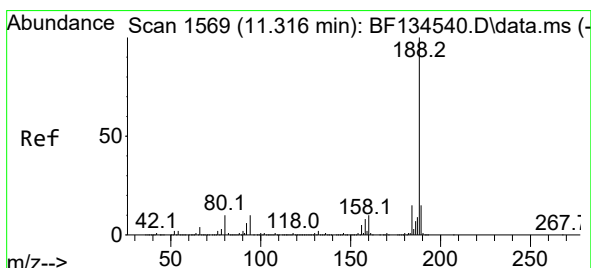
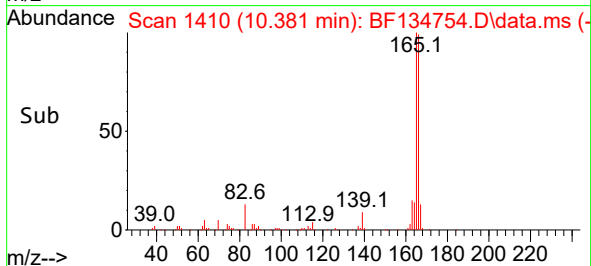
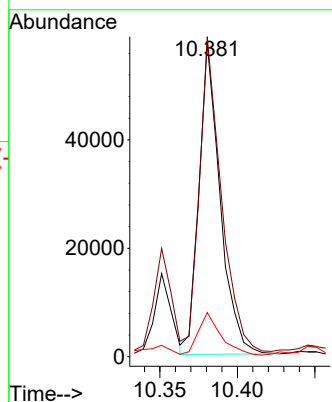
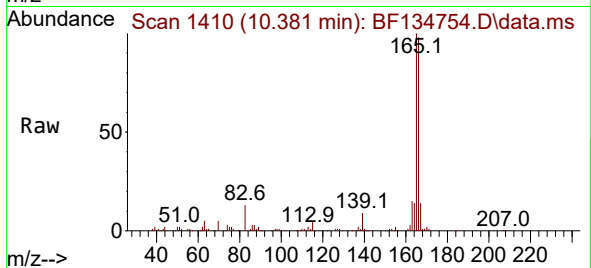
Tgt Ion:166 Resp: 54435

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

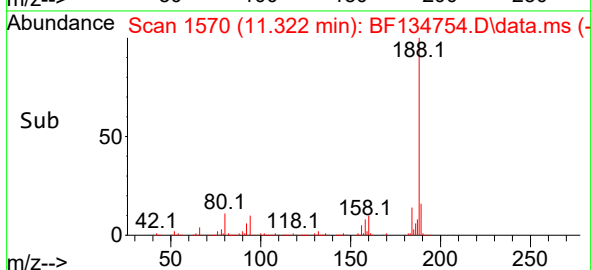
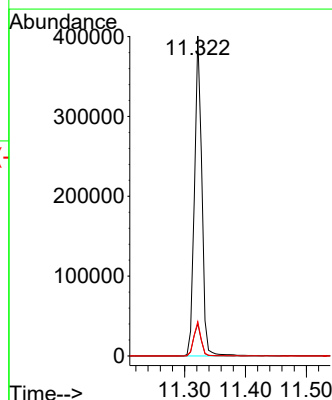
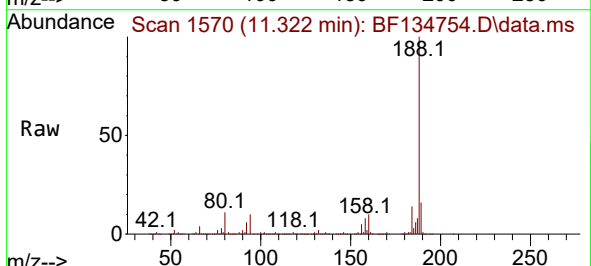
Tgt Ion:188 Resp: 338775

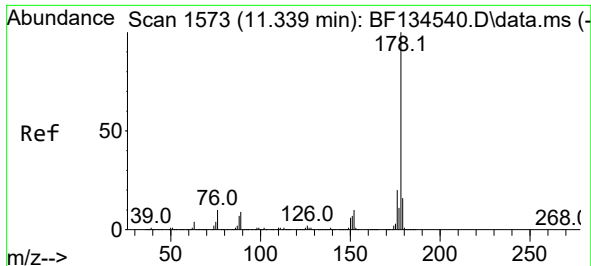
Ion Ratio Lower Upper

188 100

94 10.0 5.1 7.7#

80 10.7 6.6 9.8#

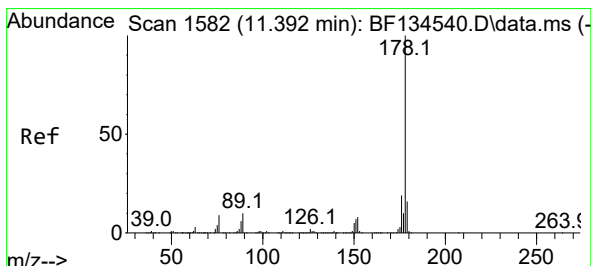
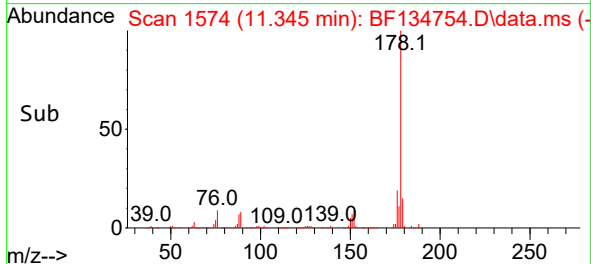
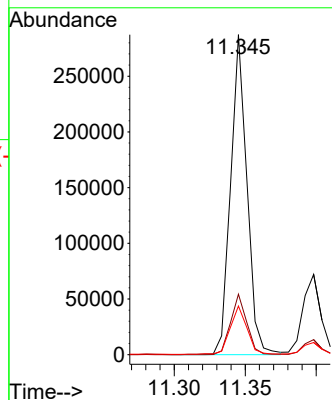
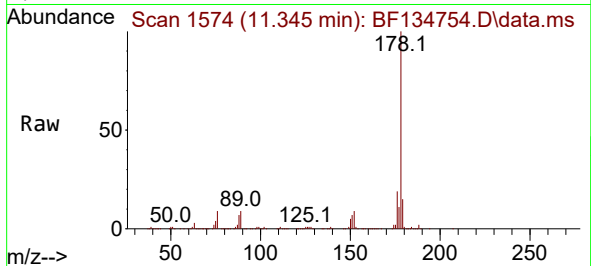




#71
Phenanthrene
Concen: 12.790 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

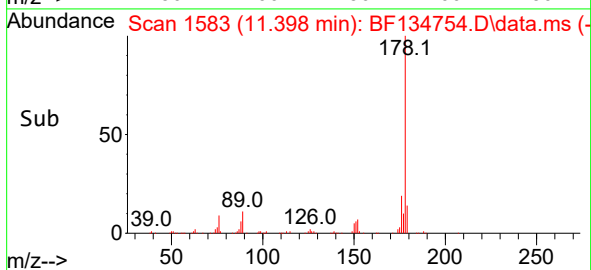
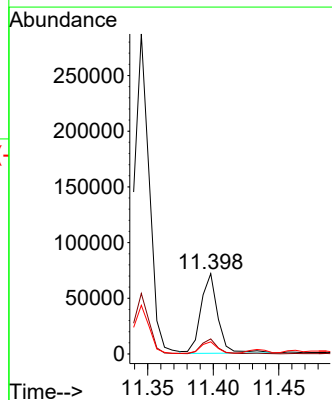
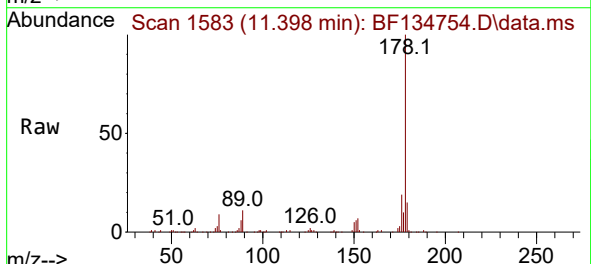
Instrument :
BNA_F
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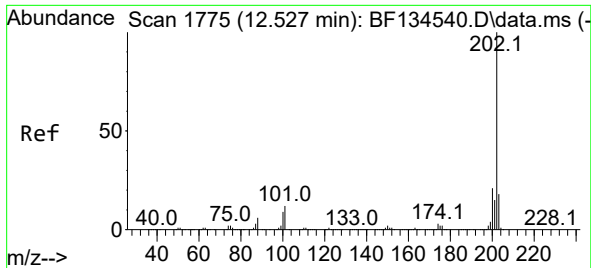
Tgt Ion:178 Resp: 230142
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.2 12.7 19.1



#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

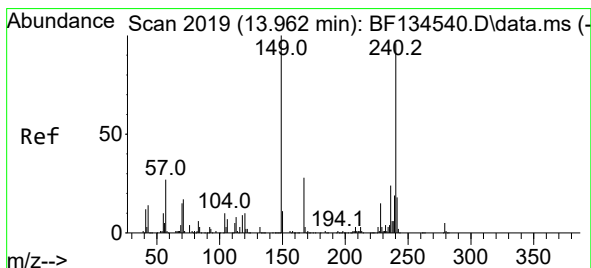
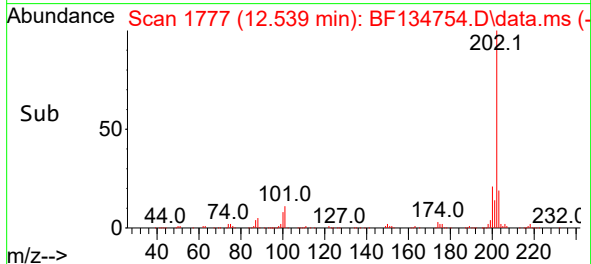
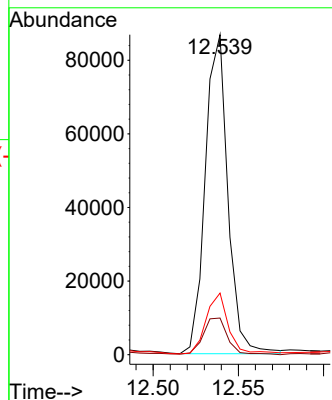
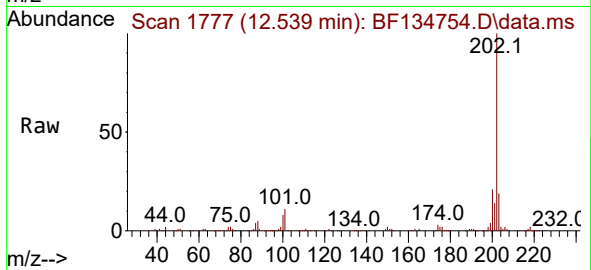




#75
Fluoranthene
Concen: 4.207 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

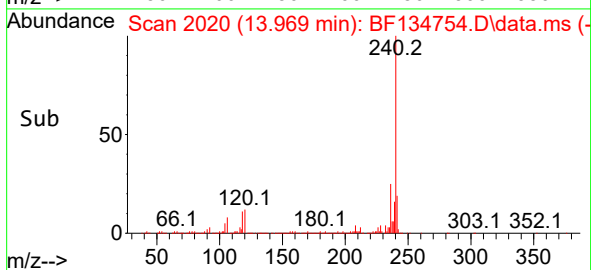
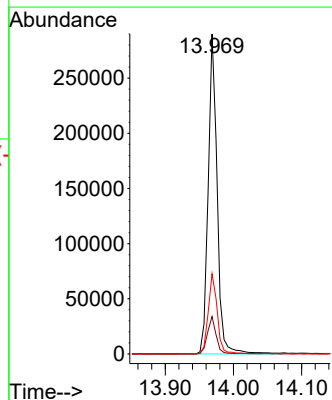
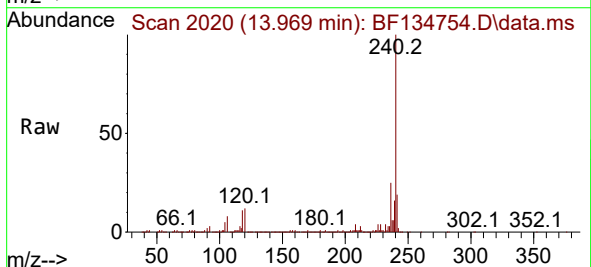
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

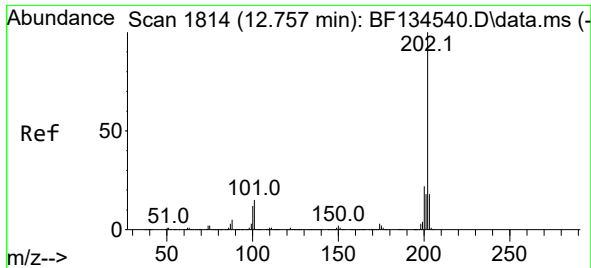
Tgt Ion:202 Resp: 79963
Ion Ratio Lower Upper
202 100
101 11.5 0.0 28.5
203 19.3 0.0 37.5



#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

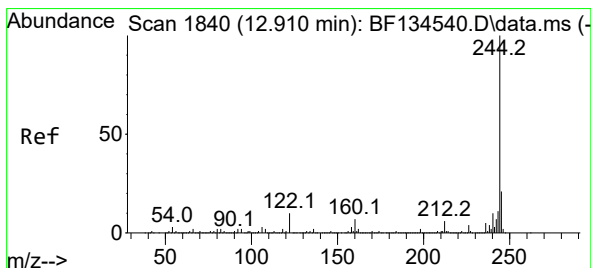
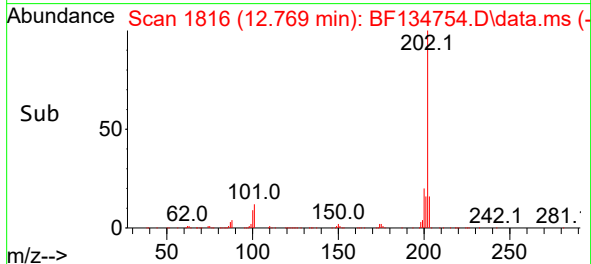
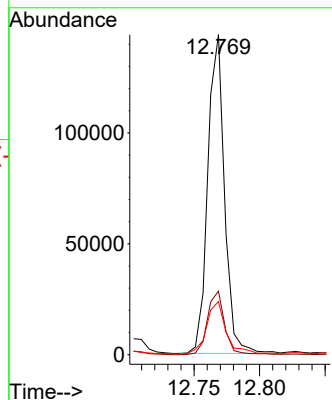
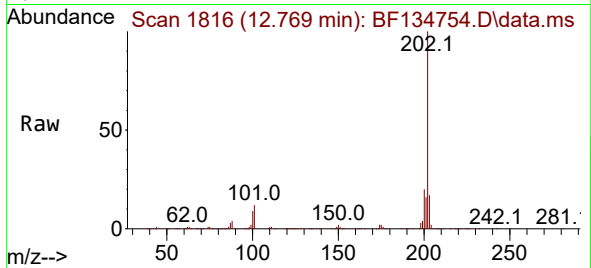




#78
Pyrene
Concen: 5.564 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134754.D
Acq: 14 Aug 2023 12:07

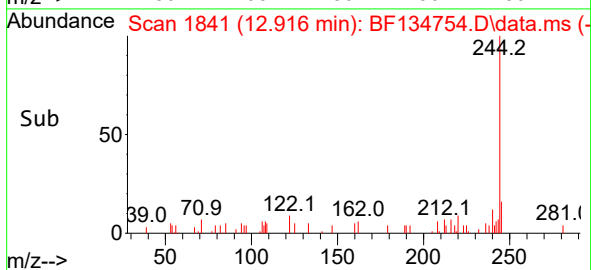
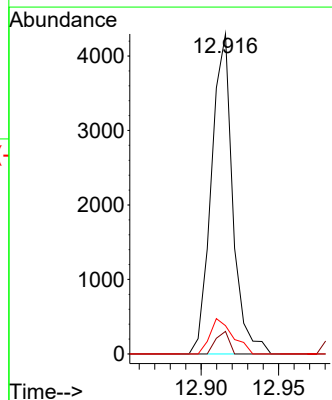
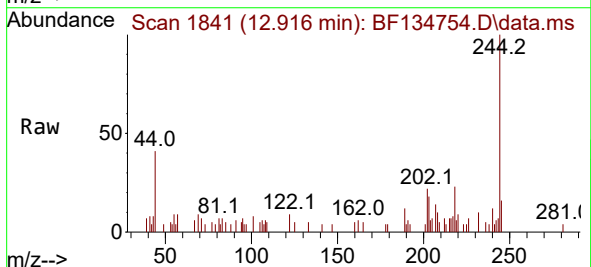
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

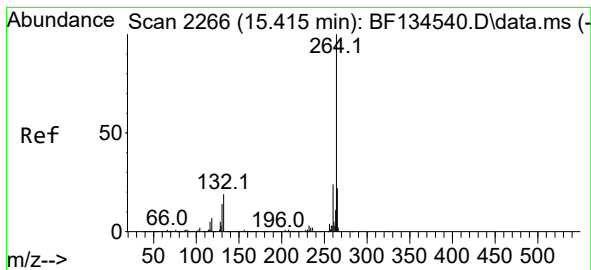
Tgt Ion:202 Resp: 127815
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.8
203 16.6 13.5 20.3



#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

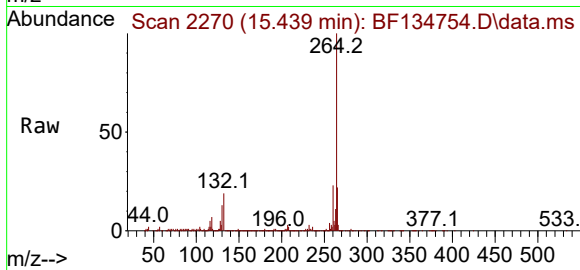
Acq: 14 Aug 2023 12:07

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

