

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)

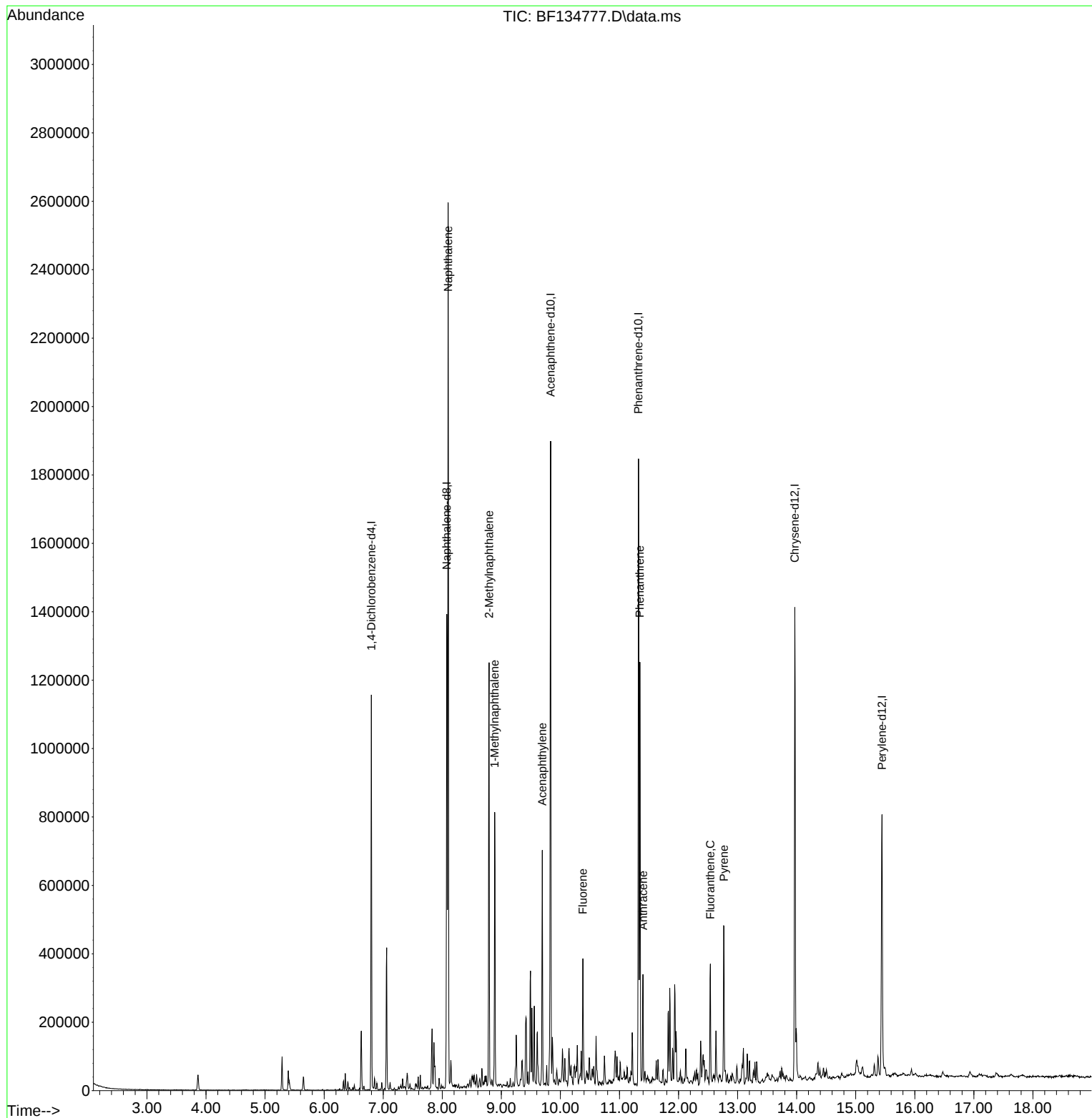
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	153564	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	634788	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	348661	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	669430	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	450390	20.000	ng	# 0.00
86) 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
31) Naphthalene	8.098	128	1050363	32.923	ng	99
37) 2-Methylnaphthalene	8.792	142	324586	15.349	ng	99
38) 1-Methylnaphthalene	8.886	142	200354	10.189	ng	96
49) Acenaphthylene	9.692	152	222590	6.970	ng	98
58) Fluorene	10.381	166	98464	4.589	ng	95
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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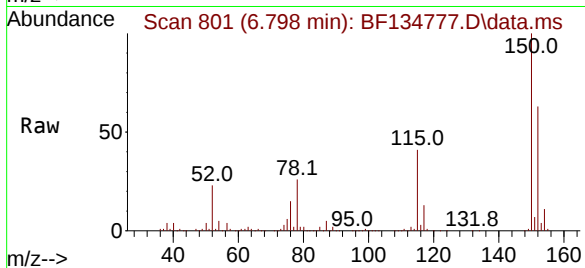
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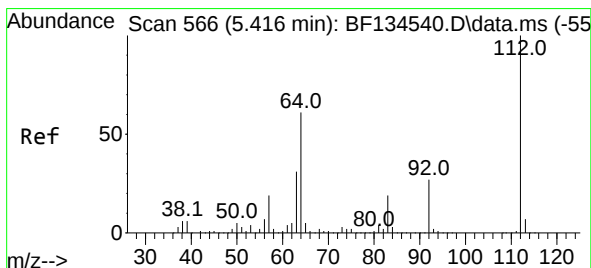
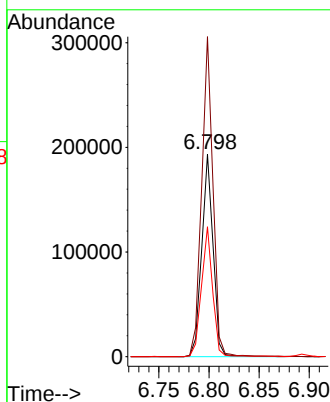
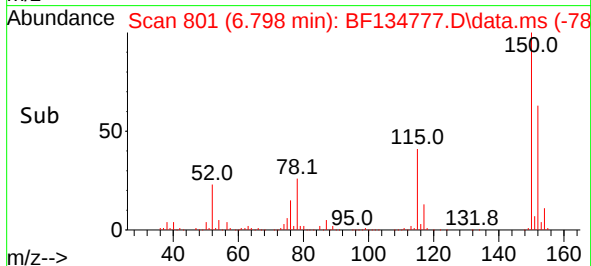


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

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

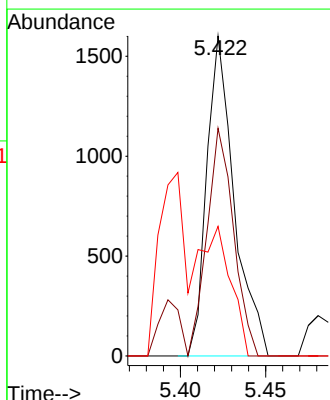
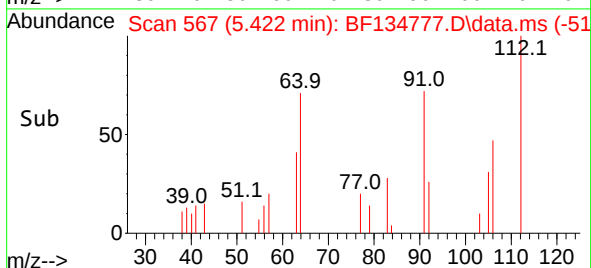
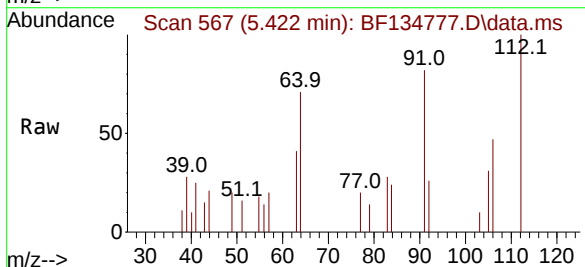


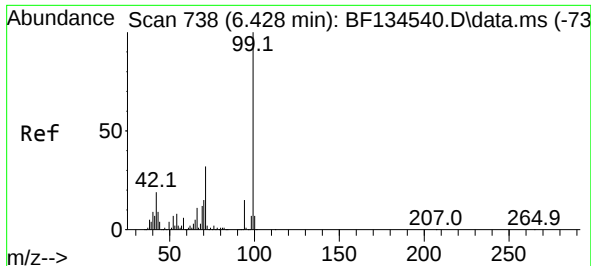
Tgt Ion:152 Resp: 153564
Ion Ratio Lower Upper
152 100
150 158.1 128.3 192.5
115 64.2 52.4 78.6



#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#

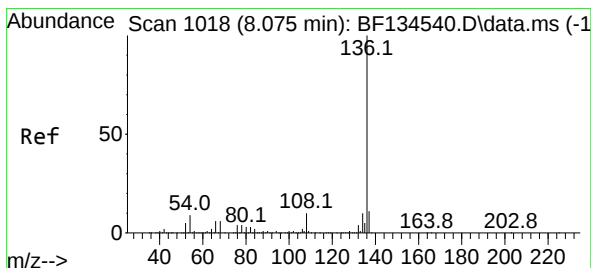
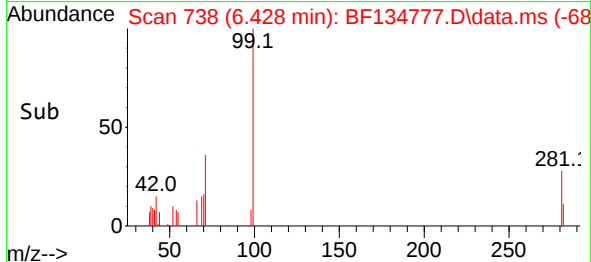
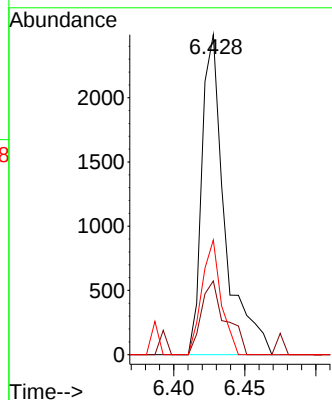
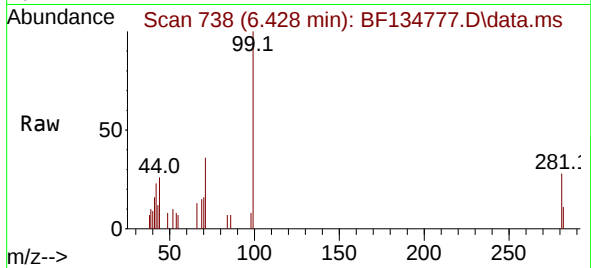




#7
Phenol-d6
Concen: 0.218 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

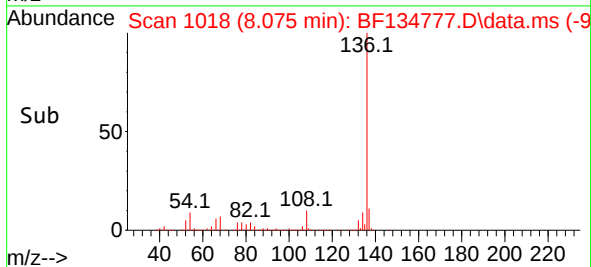
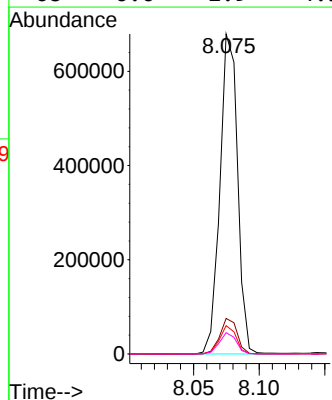
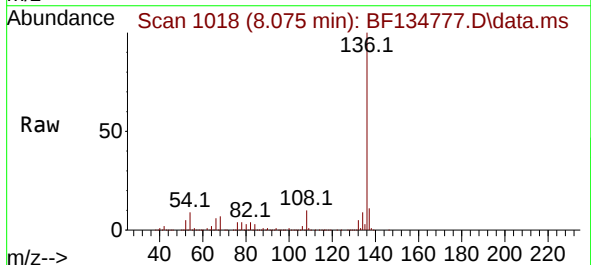
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

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

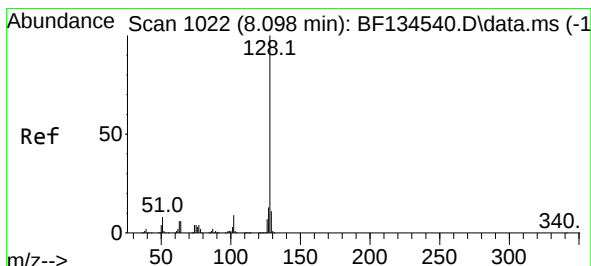
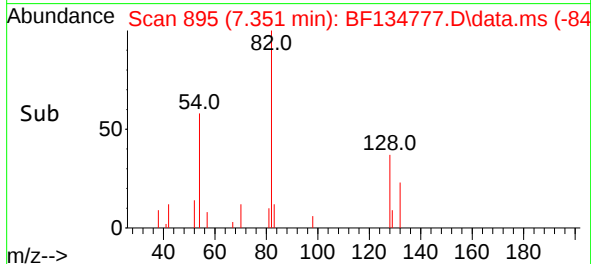
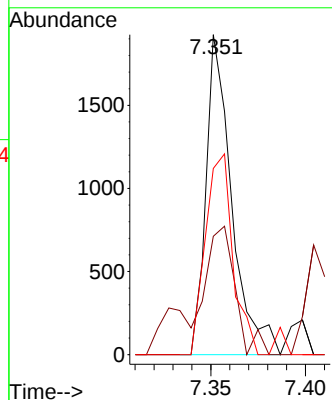
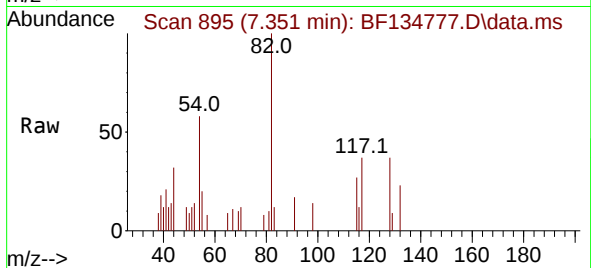
Tgt Ion: 82 Resp: 1822

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

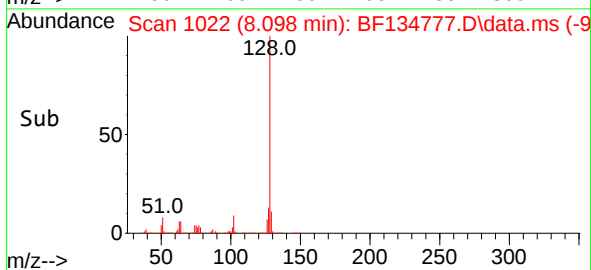
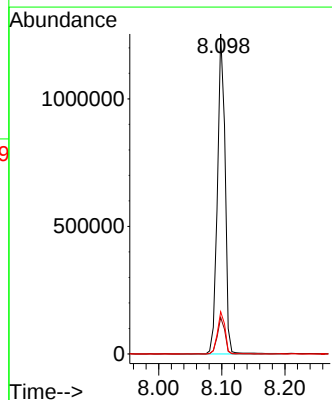
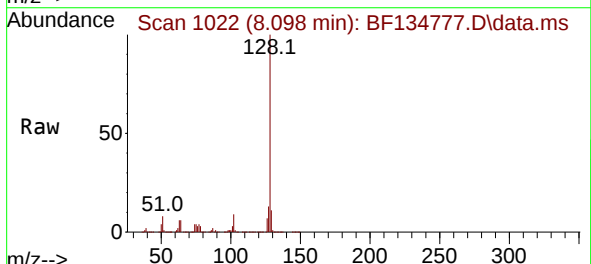
Tgt Ion: 128 Resp: 1050363

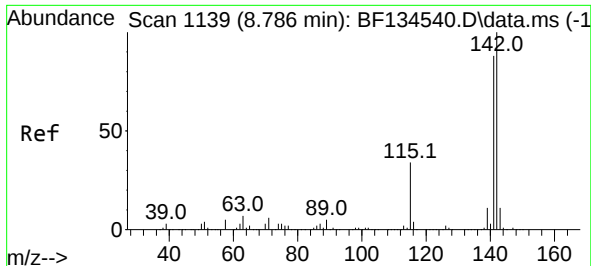
Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 13.2 10.7 16.1

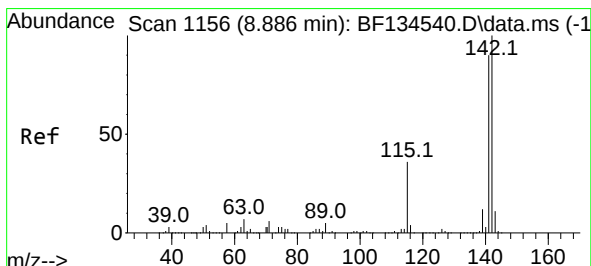
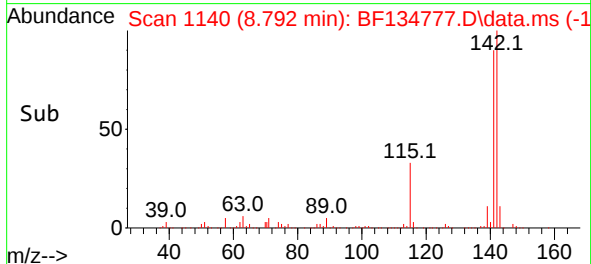
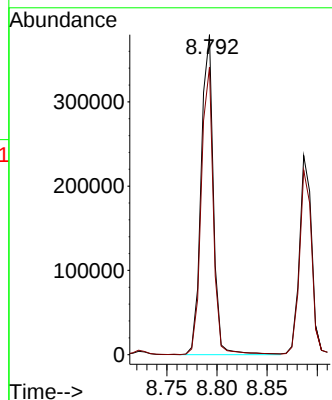
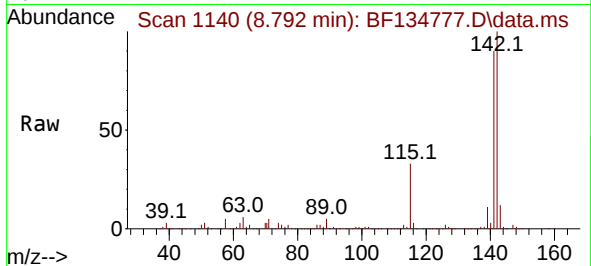




#37
2-Methylnaphthalene
Concen: 15.349 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

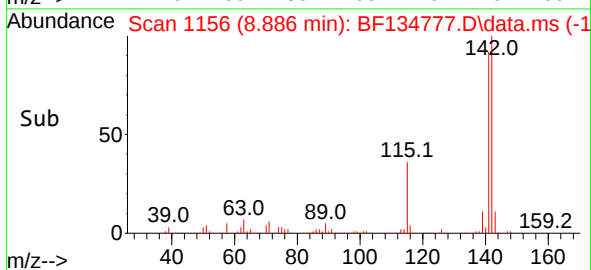
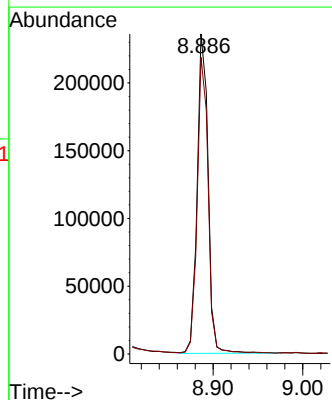
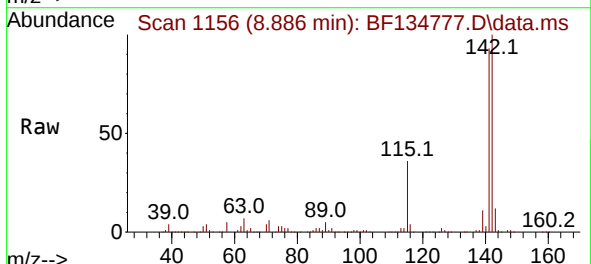
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

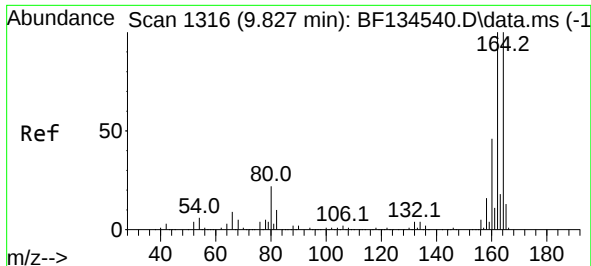
Tgt Ion:142 Resp: 324586
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2



#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

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z64-65DL

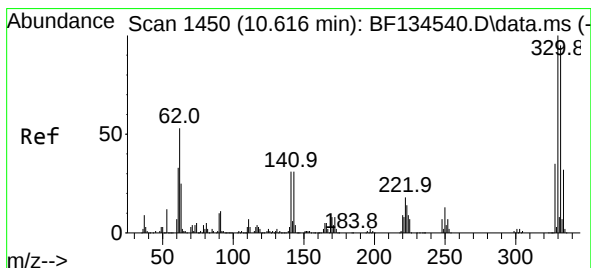
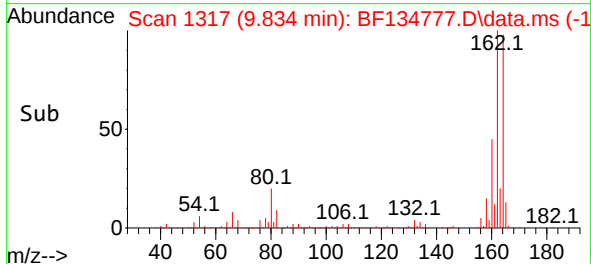
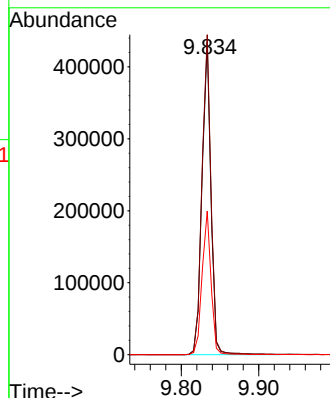
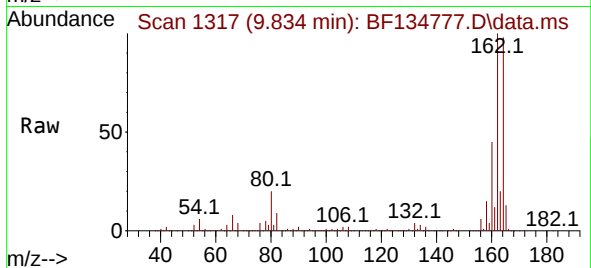
Tgt Ion:164 Resp: 348661

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

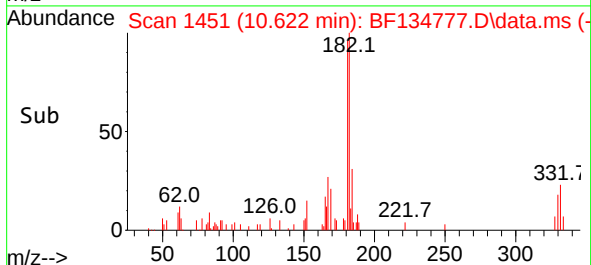
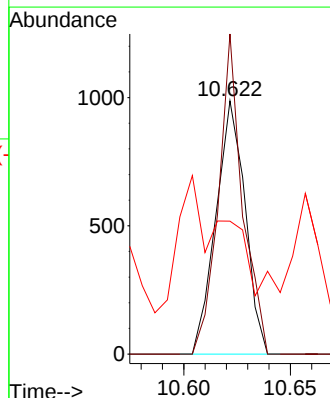
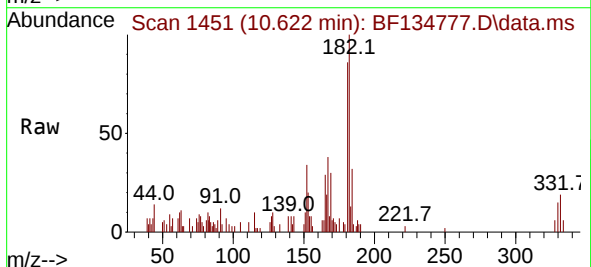
Tgt Ion:330 Resp: 939

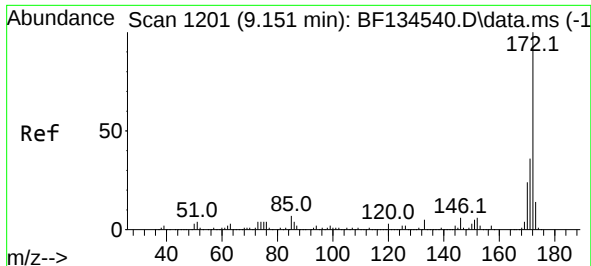
Ion Ratio Lower Upper

330 100

332 104.4 78.8 118.2

141 95.4 25.4 38.2#

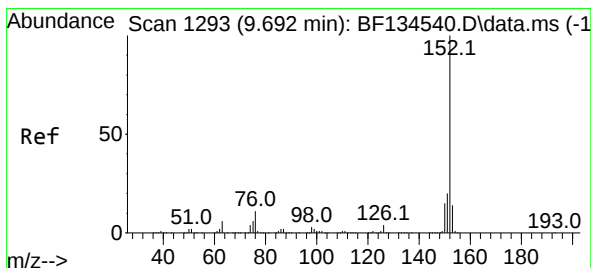
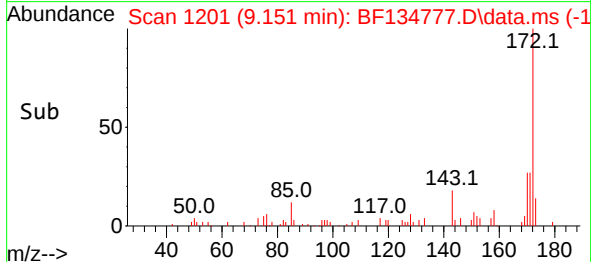
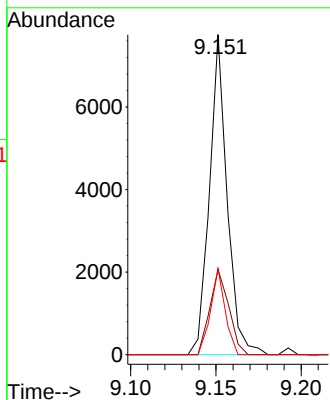
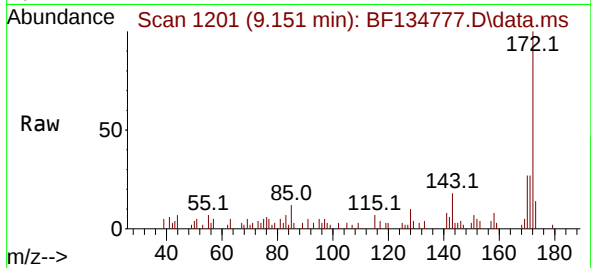




#45
2-Fluorobiphenyl
Concen: 0.267 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

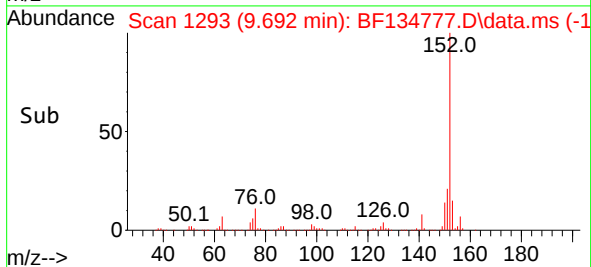
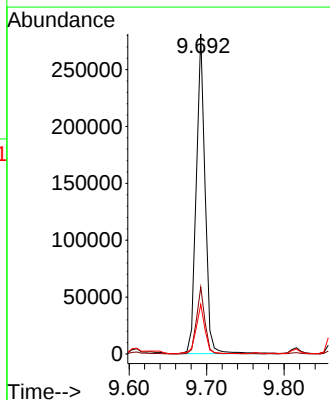
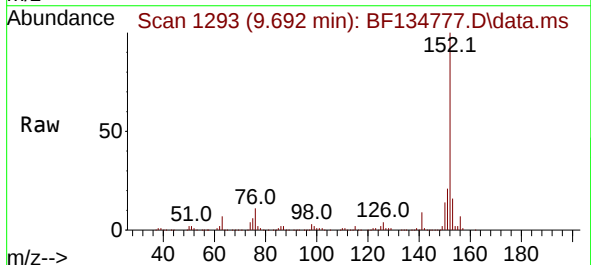
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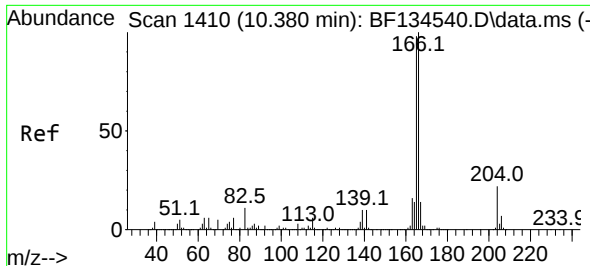
Tgt Ion:172 Resp: 5595
Ion Ratio Lower Upper
172 100
171 26.7 28.8 43.2#
170 26.9 18.7 28.1



#49
Acenaphthylene
Concen: 6.970 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

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

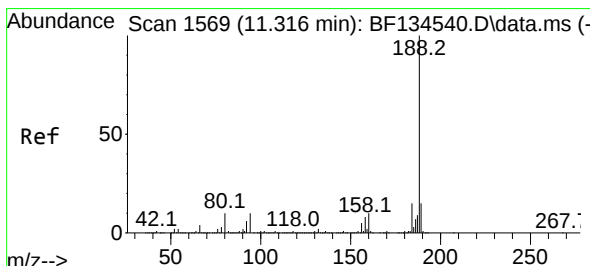
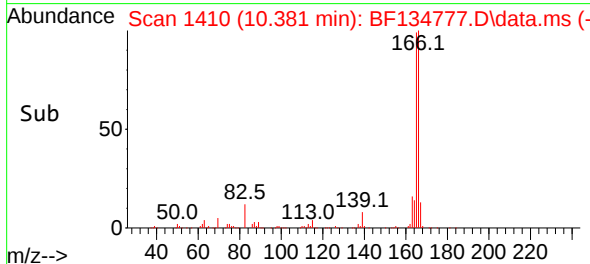
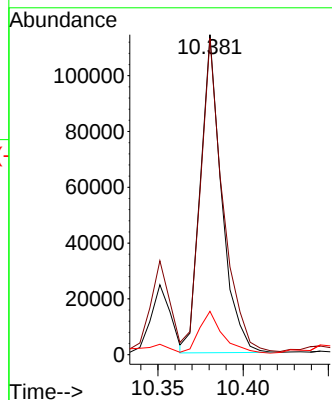
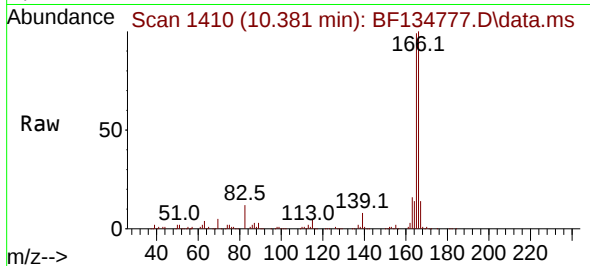




#58
Fluorene
Concen: 4.589 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

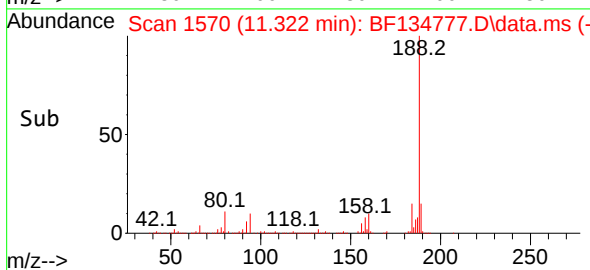
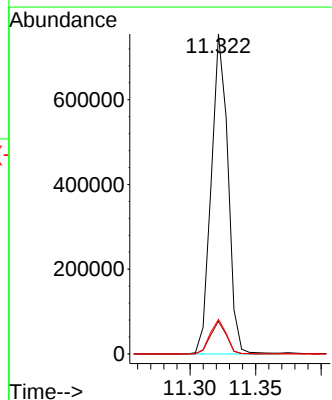
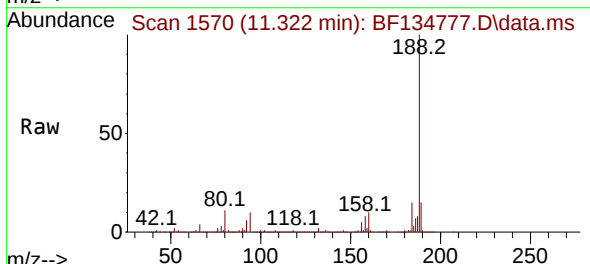
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

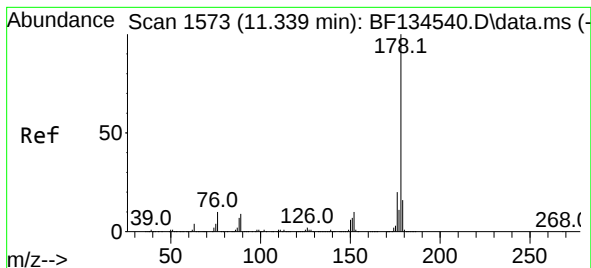
Tgt Ion:166 Resp: 98464
Ion Ratio Lower Upper
166 100
165 98.9 74.5 111.7
167 13.5 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

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#





#71

Phenanthrene

Concen: 11.989 ng

RT: 11.345 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

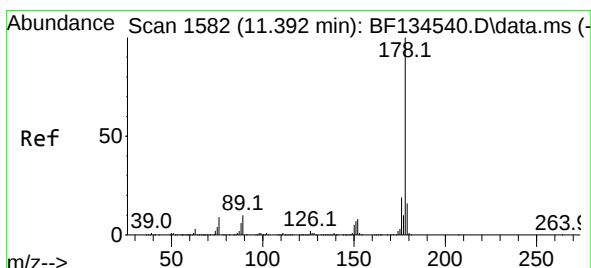
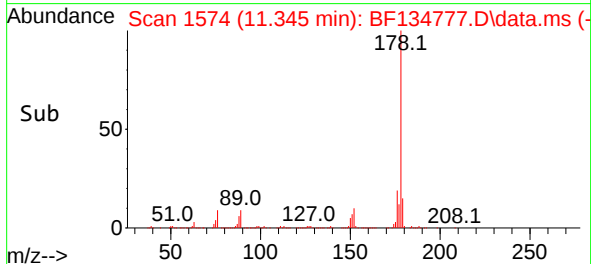
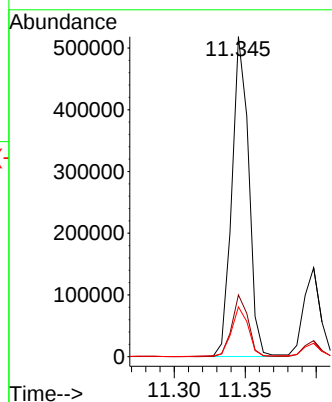
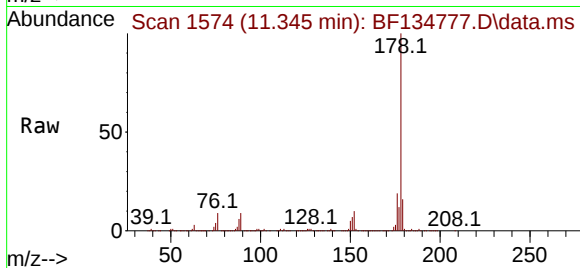
Tgt Ion:178 Resp: 426298

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

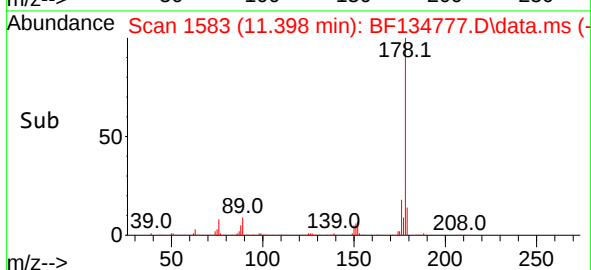
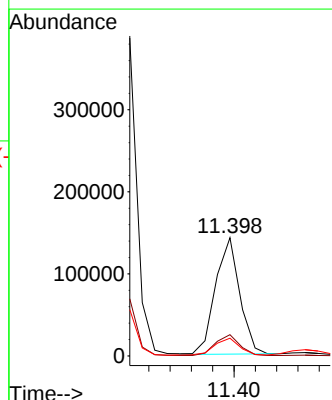
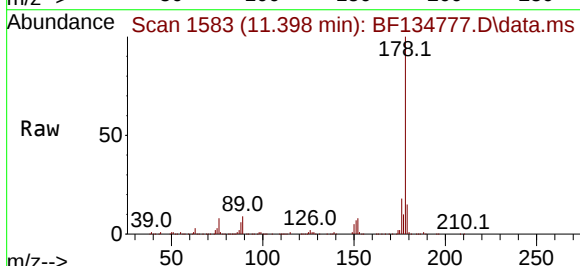
Tgt Ion:178 Resp: 112484

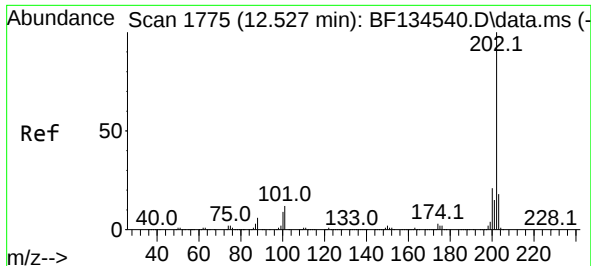
Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.1 12.3 18.5

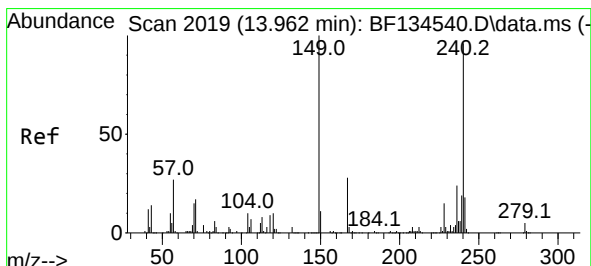
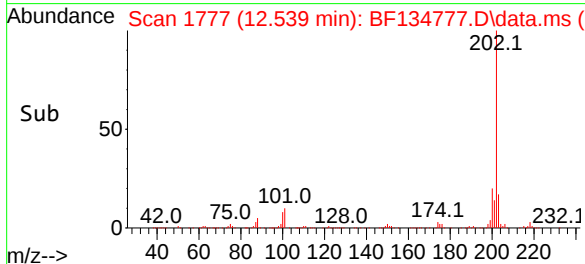
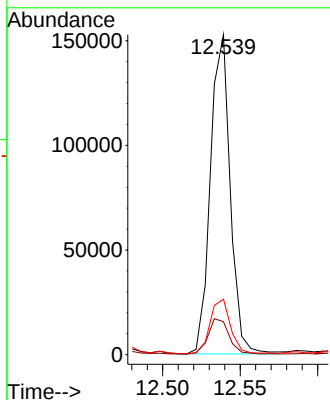
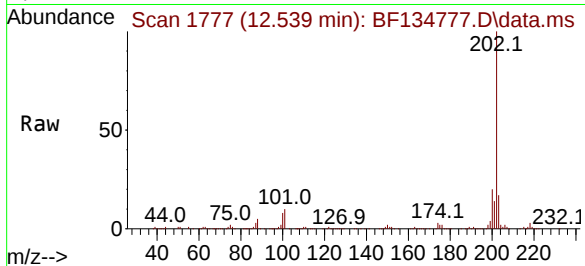




#75
Fluoranthene
Concen: 3.609 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

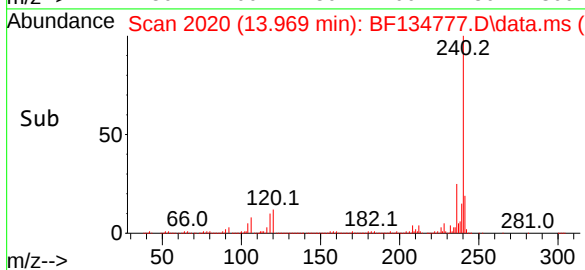
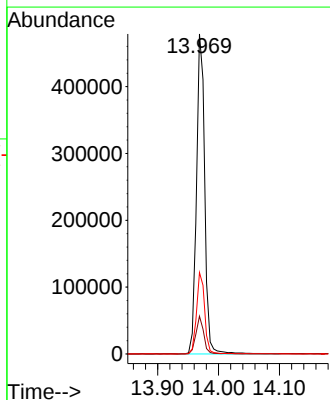
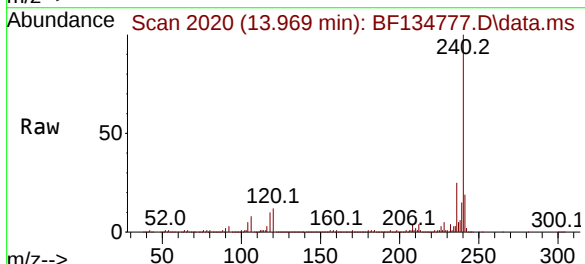
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

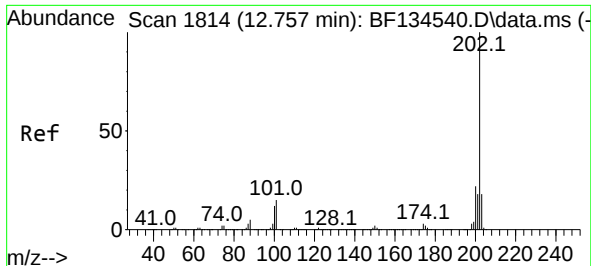
Tgt Ion:202 Resp: 135544
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.5
203 17.4 0.0 37.5



#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

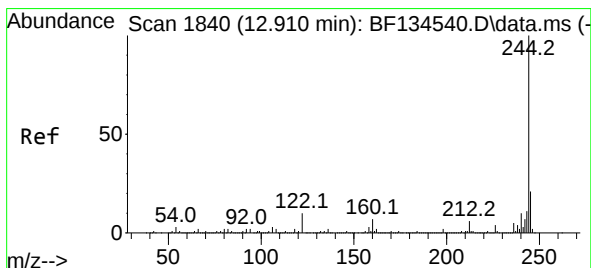
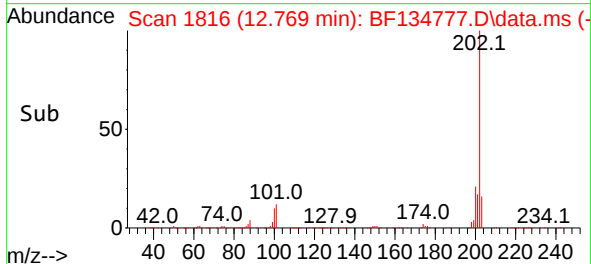
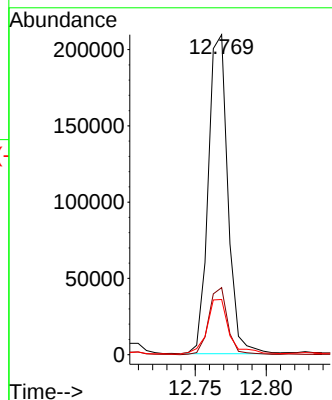
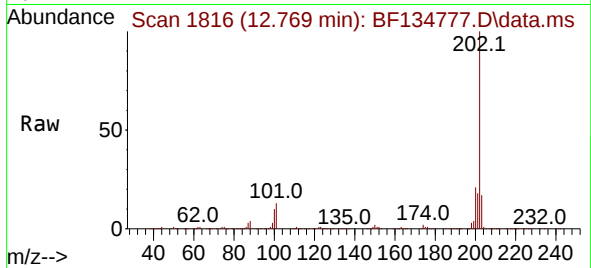




#78
Pyrene
Concen: 5.162 ng
RT: 12.769 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134777.D
Acq: 15 Aug 2023 10:20

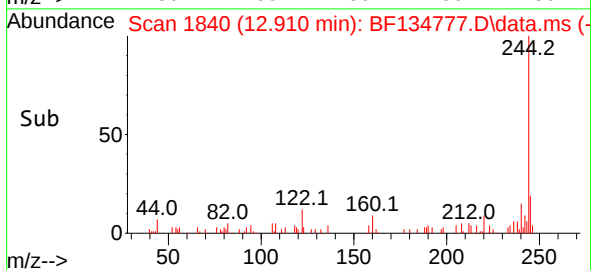
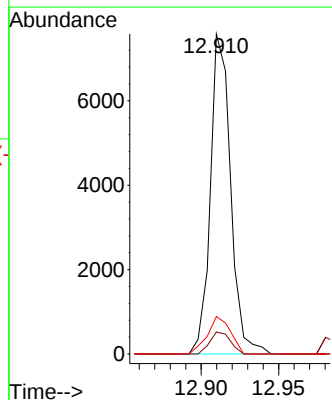
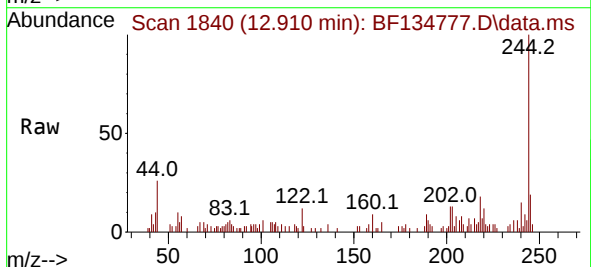
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z64-65DL

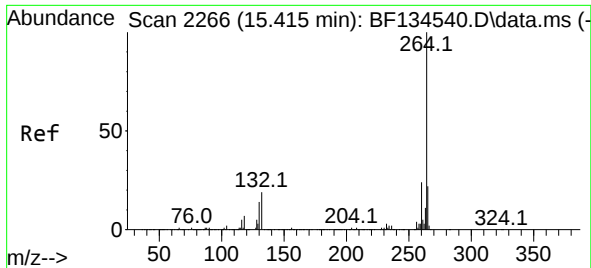
Tgt Ion:202 Resp: 201196
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.8
203 17.3 13.5 20.3



#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

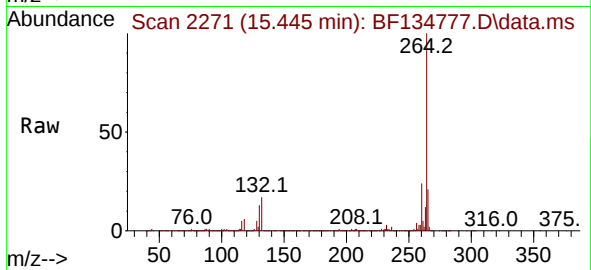
Tgt Ion:244 Resp: 6874
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.7 8.0 12.0





#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

