

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

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

Quant Time: Aug 16 03:09:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

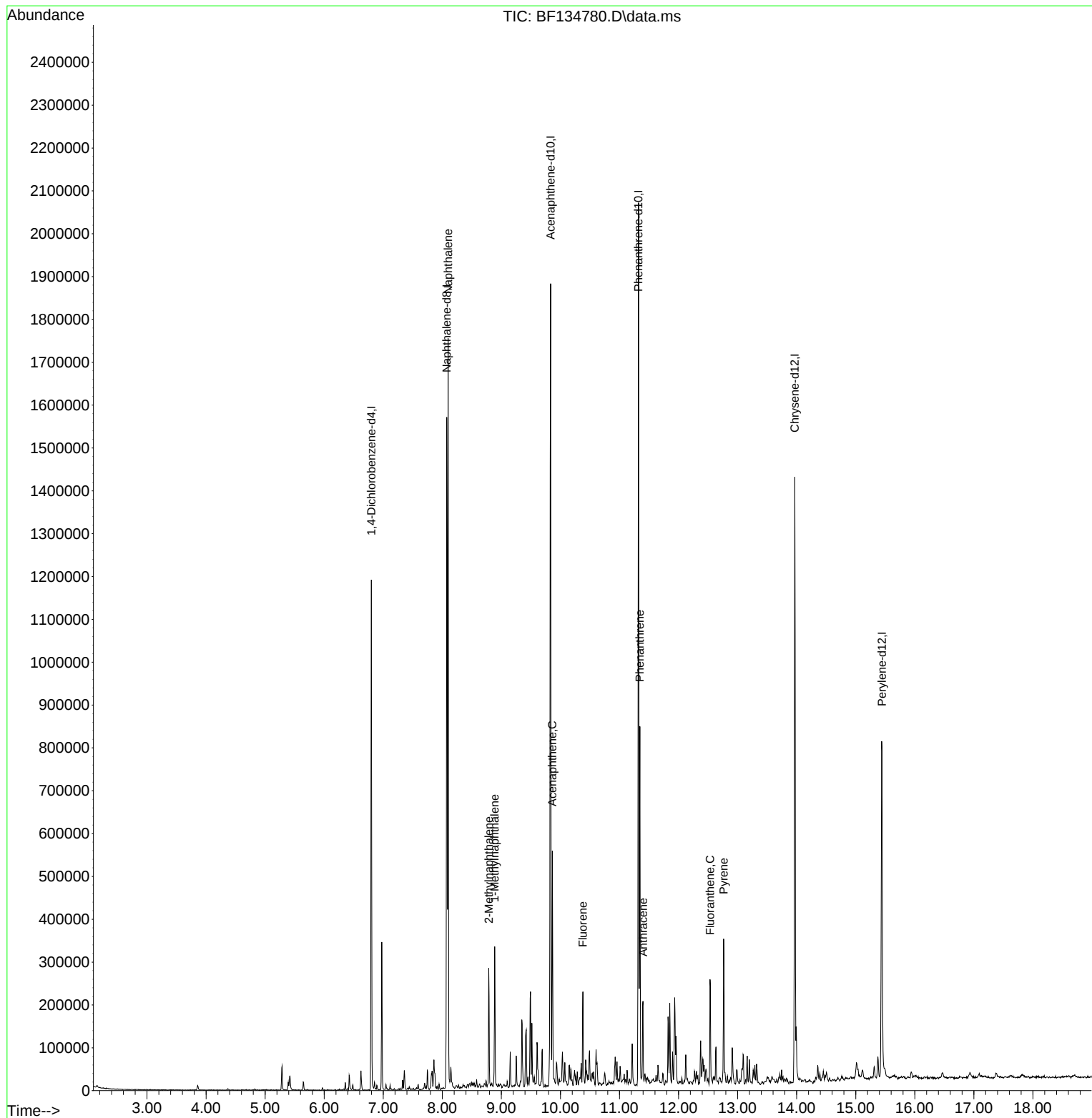
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	162704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	670683	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	366702	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	694711	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	454564	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	409547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	10322	0.964	ng	0.00
7) Phenol-d6	6.422	99	13495	0.986	ng	-0.02
23) Nitrobenzene-d5	7.351	82	8325	0.776	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	4149	1.110	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	21650	0.982	ng	-0.01
79) Terphenyl-d14	12.910	244	27414	1.063	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.098	128	690643	20.489	ng	99
37) 2-Methylnaphthalene	8.786	142	72292	3.236	ng	98
38) 1-Methylnaphthalene	8.886	142	79302	3.817	ng	95
52) Acenaphthene	9.863	154	100322	4.609	ng	98
58) Fluorene	10.380	166	57099	2.530	ng	93
71) Phenanthrene	11.345	178	278653	7.552	ng	98
72) Anthracene	11.398	178	76725	2.036	ng	99
75) Fluoranthene	12.533	202	96752	2.482	ng	97
78) Pyrene	12.763	202	138586	3.523	ng	98

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

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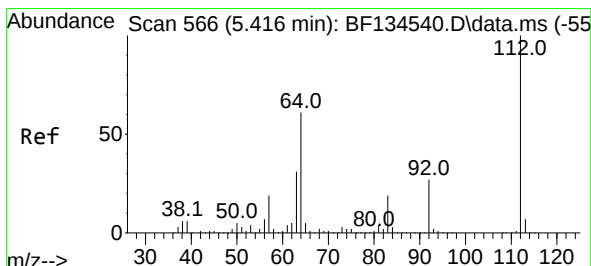
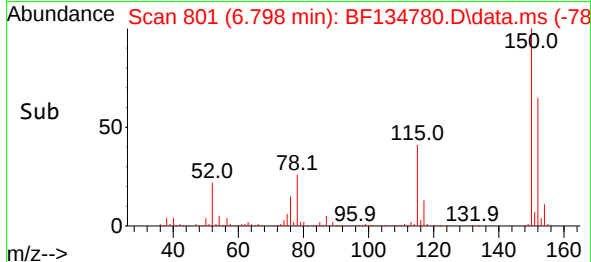
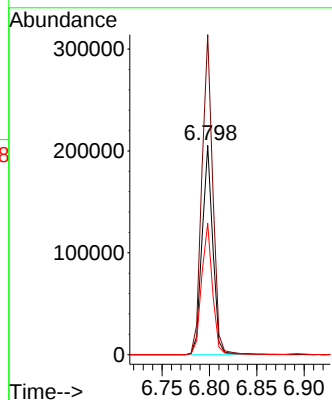
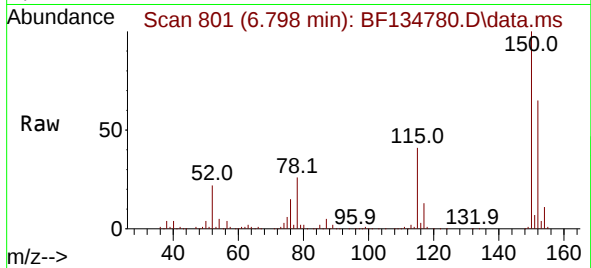




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

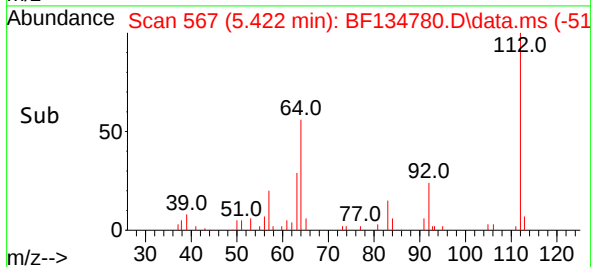
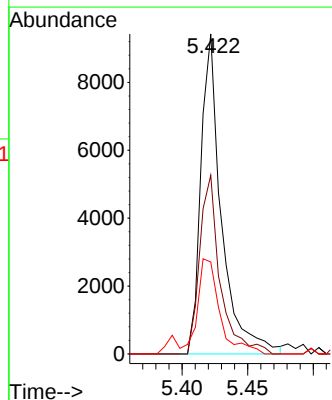
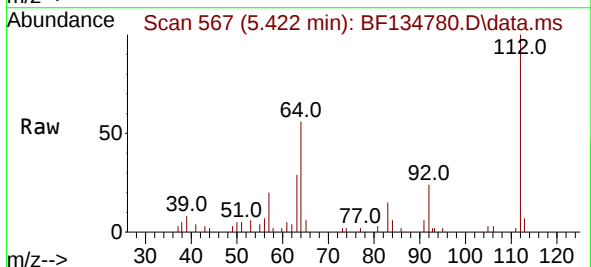
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

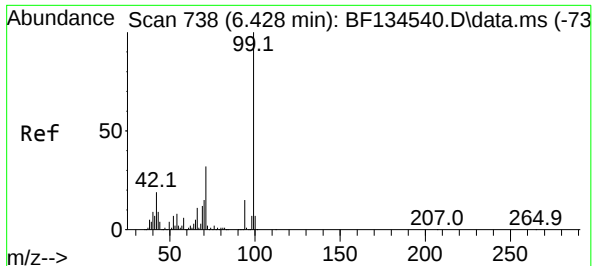
Tgt Ion:152 Resp: 162704
Ion Ratio Lower Upper
152 100
150 152.9 128.3 192.5
115 62.7 52.4 78.6



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

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

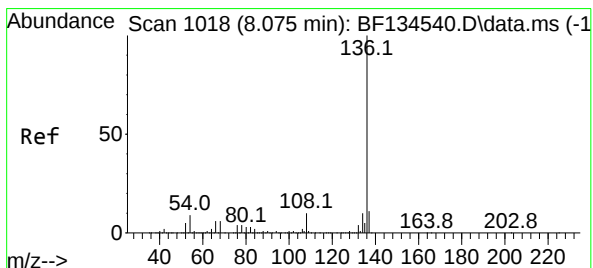
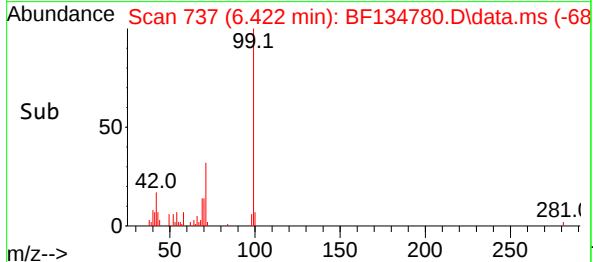
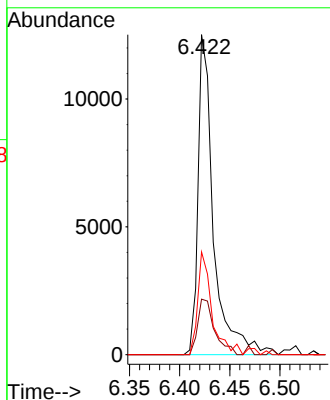
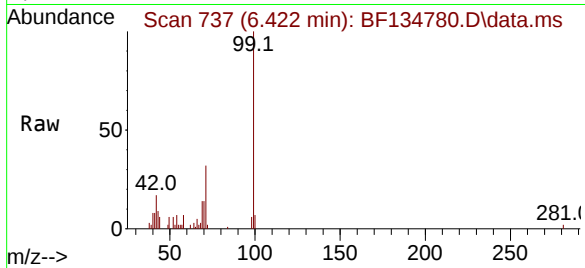




#7
Phenol-d6
Concen: 0.986 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

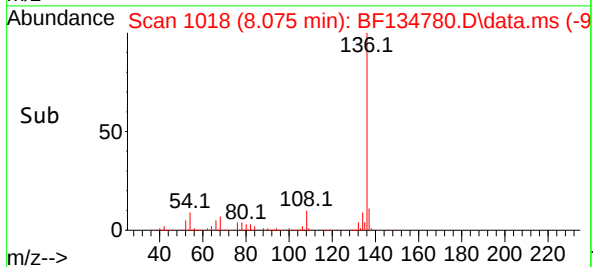
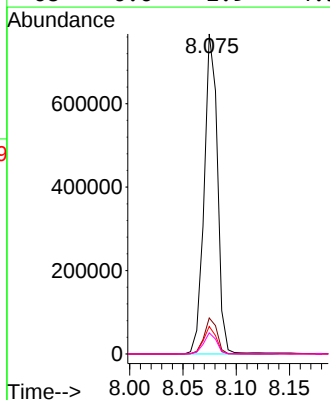
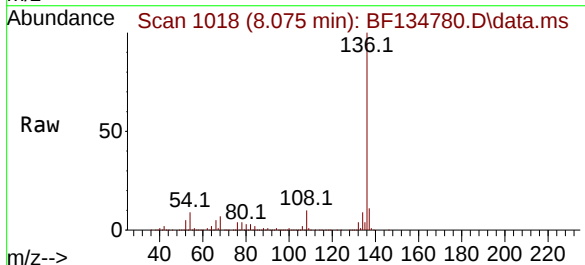
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

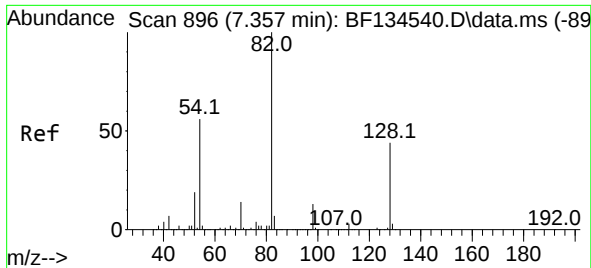
Tgt Ion: 99 Resp: 13495
Ion Ratio Lower Upper
99 100
42 17.3 18.7 28.1#
71 32.1 36.4 54.6#



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

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





#23

Nitrobenzene-d5

Concen: 0.776 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL

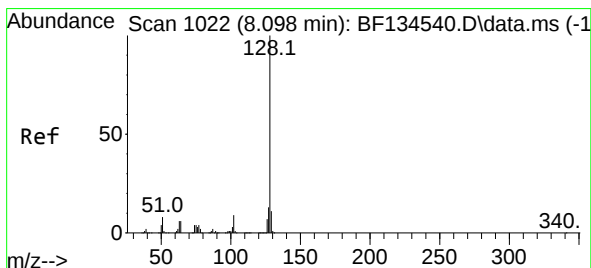
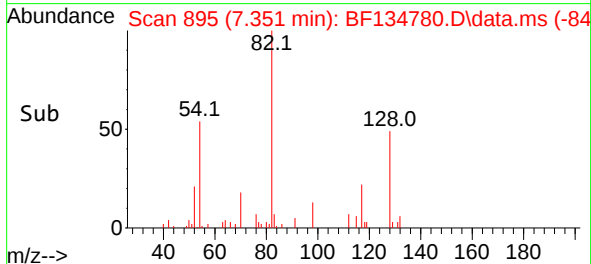
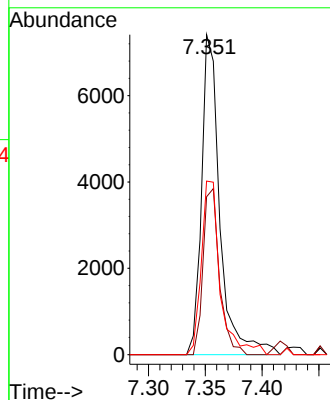
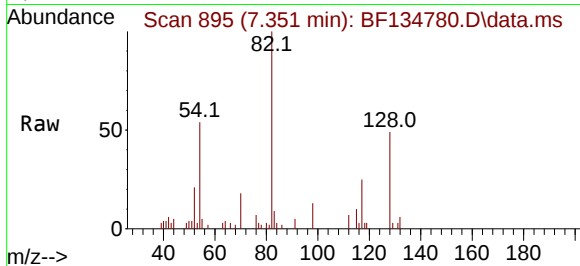
Tgt Ion: 82 Resp: 8325

Ion Ratio Lower Upper

82 100

128 49.3 34.3 51.5

54 54.2 43.8 65.6



#31

Naphthalene

Concen: 20.489 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

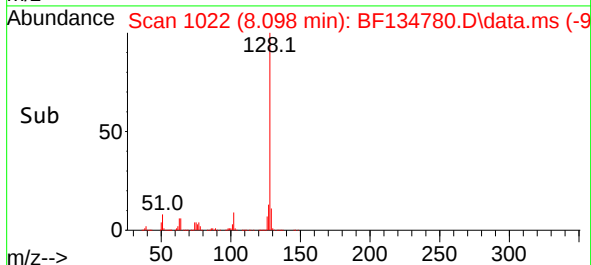
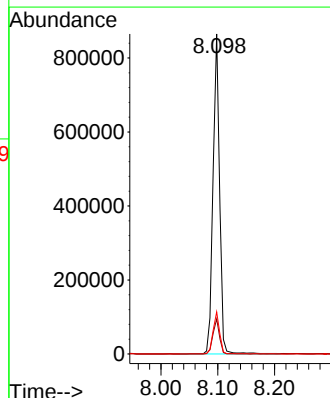
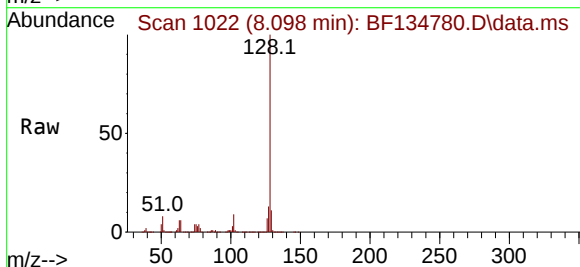
Tgt Ion: 128 Resp: 690643

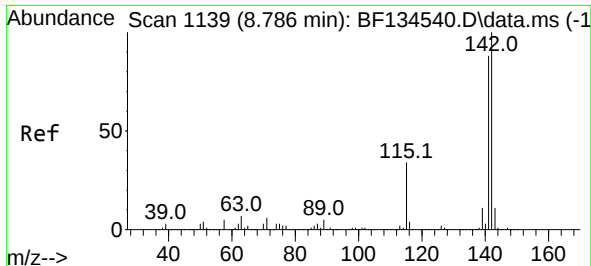
Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

127 13.2 10.7 16.1





#37

2-Methylnaphthalene

Concen: 3.236 ng

RT: 8.786 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

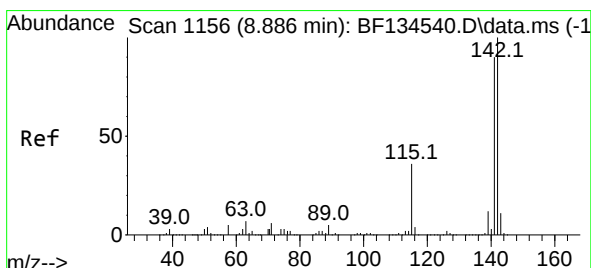
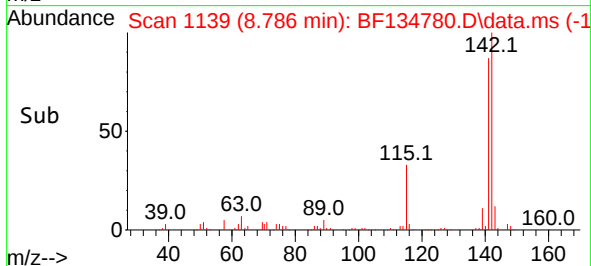
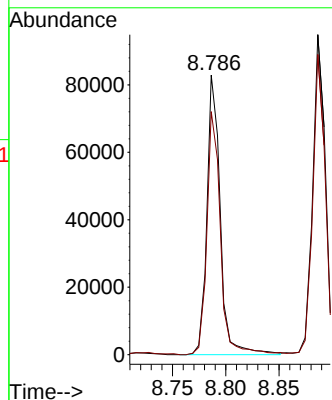
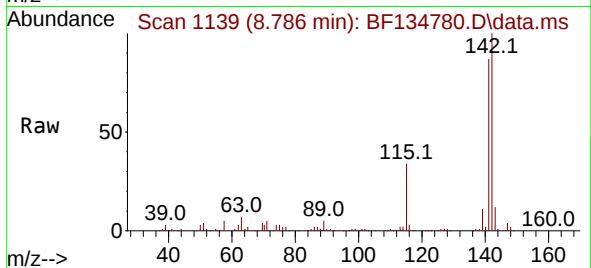
NEVINS-SB03-Z46-47DL

Tgt Ion:142 Resp: 72292

Ion Ratio Lower Upper

142 100

141 86.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 3.817 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF134780.D

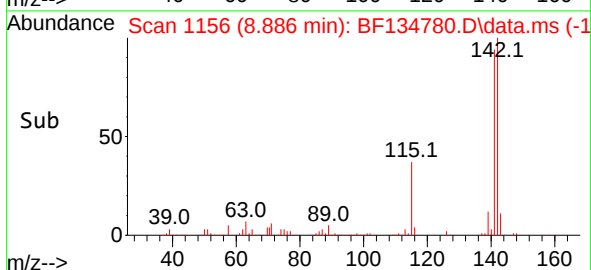
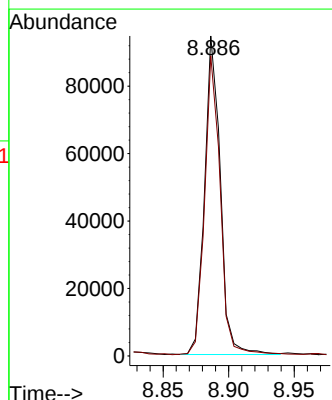
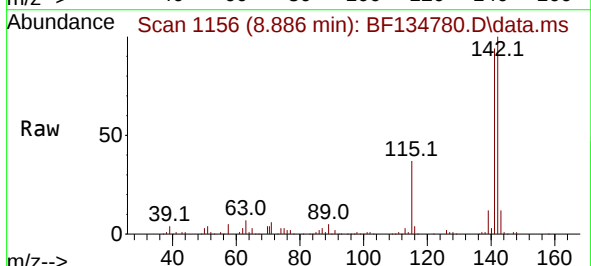
Acq: 15 Aug 2023 11:56

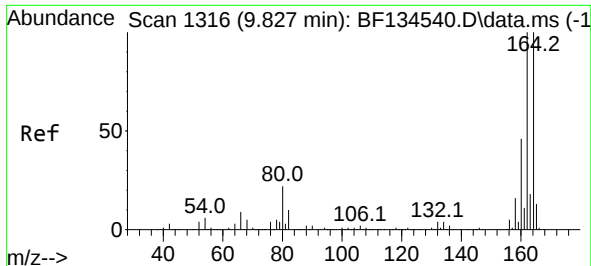
Tgt Ion:142 Resp: 79302

Ion Ratio Lower Upper

142 100

141 93.8 71.4 107.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134780.D

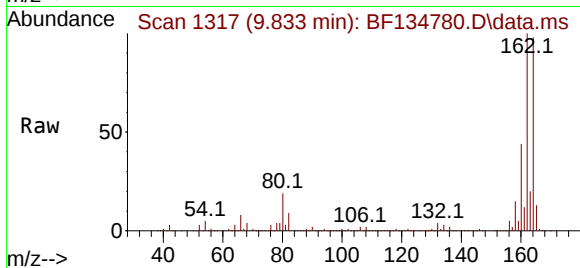
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Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL



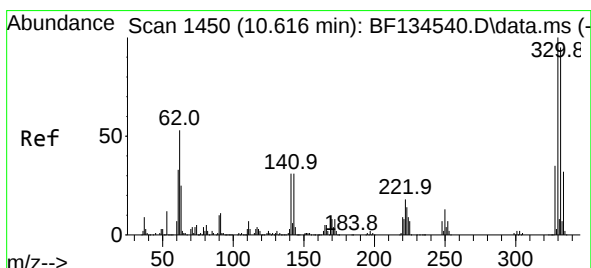
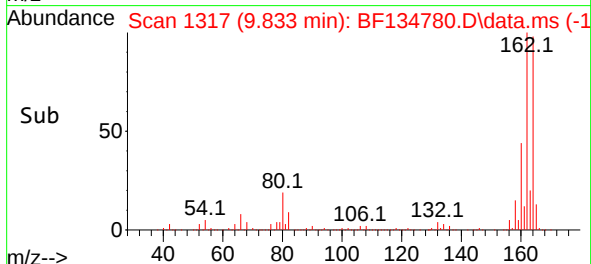
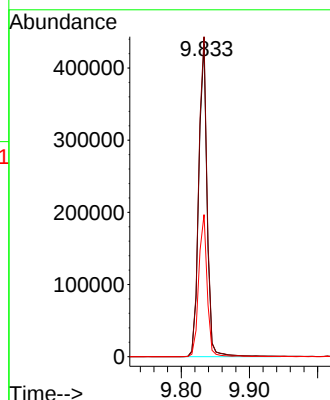
Tgt Ion:164 Resp: 366702

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

160 45.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 1.110 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

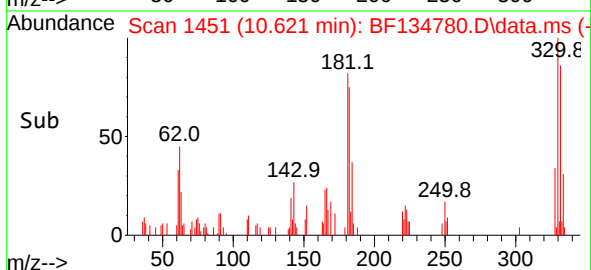
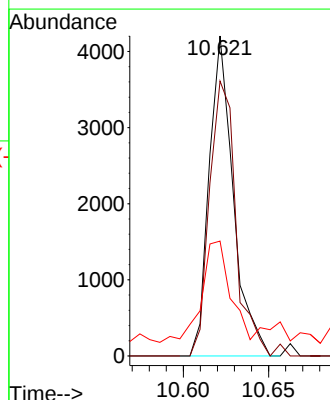
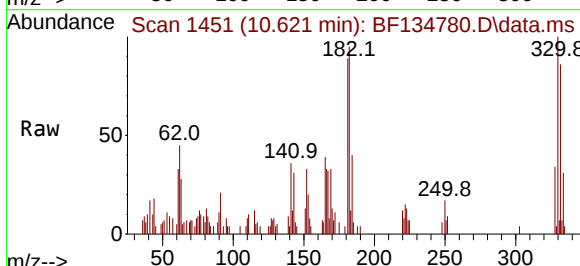
Tgt Ion:330 Resp: 4149

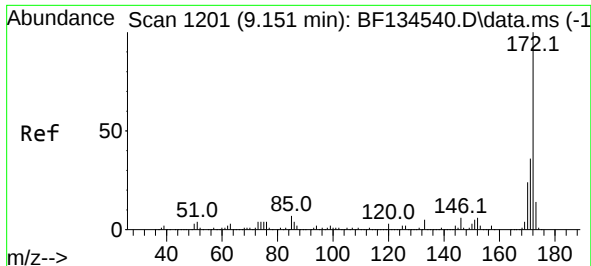
Ion Ratio Lower Upper

330 100

332 94.6 78.8 118.2

141 37.7 25.4 38.2

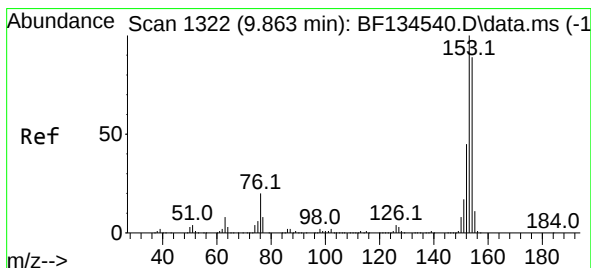
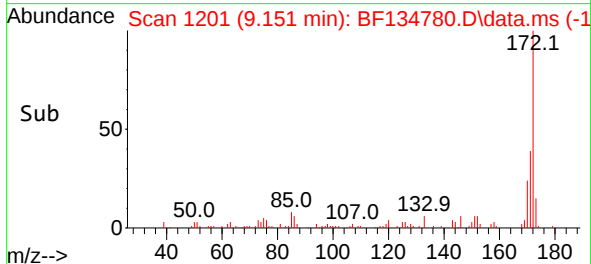
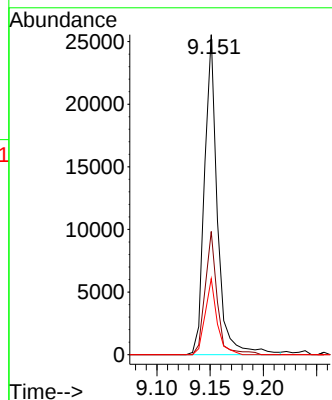
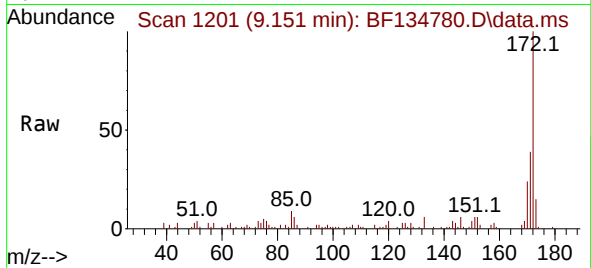




#45
2-Fluorobiphenyl
Concen: 0.982 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

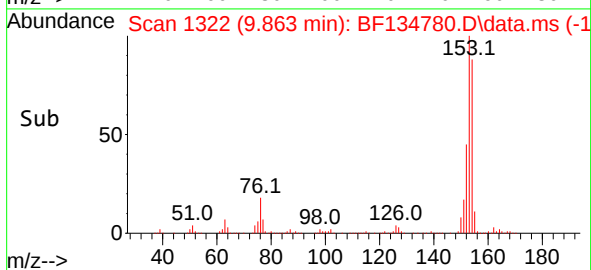
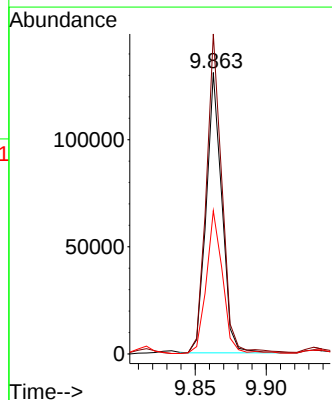
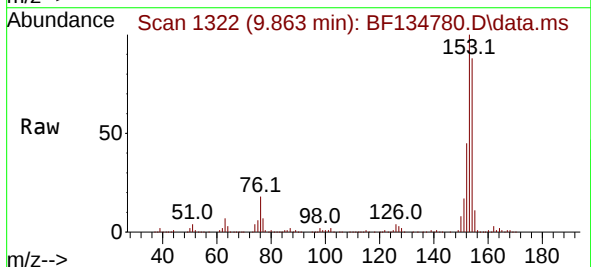
Instrument :
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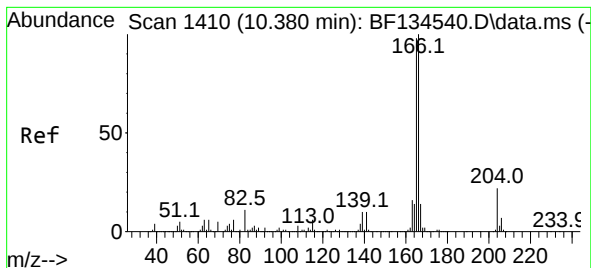
Tgt Ion:172	Resp:	21650
Ion Ratio	Lower	Upper
172	100	
171	38.5	28.8 43.2
170	23.7	18.7 28.1



#52
Acenaphthene
Concen: 4.609 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

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





#58

Fluorene

Concen: 2.530 ng

RT: 10.380 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL

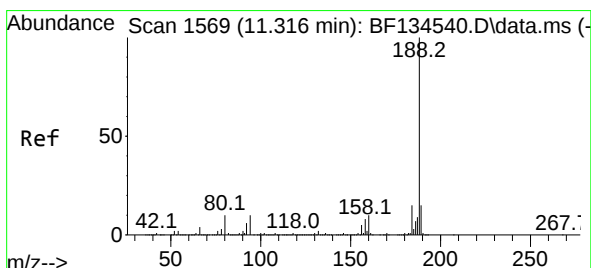
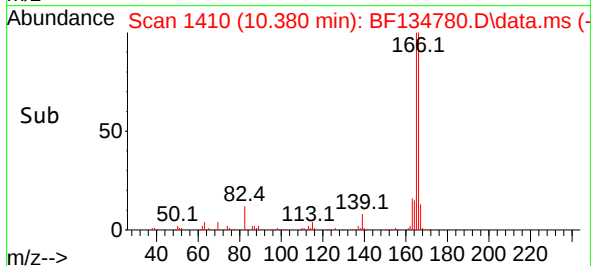
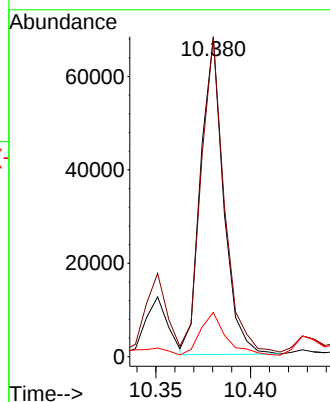
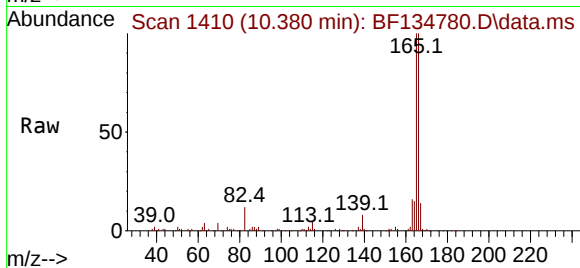
Tgt Ion:166 Resp: 57099

Ion Ratio Lower Upper

166 100

165 100.3 74.5 111.7

167 13.8 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1570

Delta R.T. -0.000 min

Lab File: BF134780.D

Acq: 15 Aug 2023 11:56

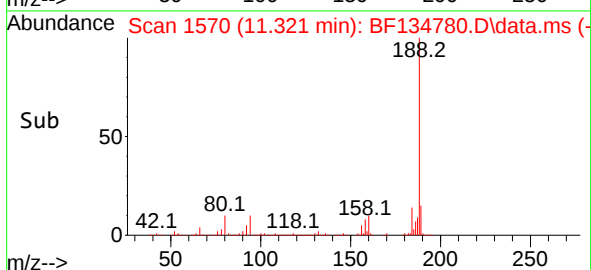
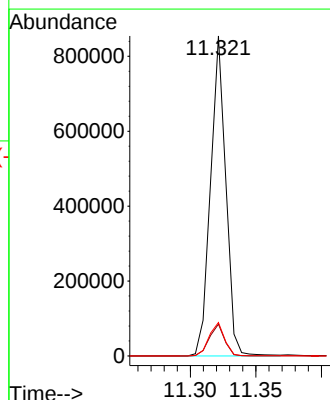
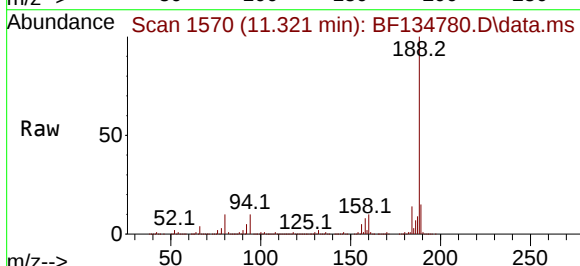
Tgt Ion:188 Resp: 694711

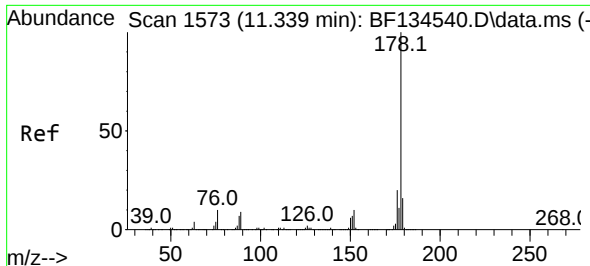
Ion Ratio Lower Upper

188 100

94 10.0 5.1 7.7#

80 10.5 6.6 9.8#

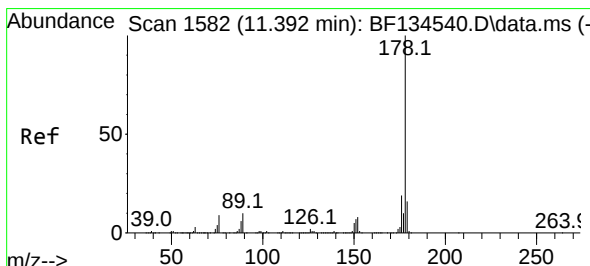
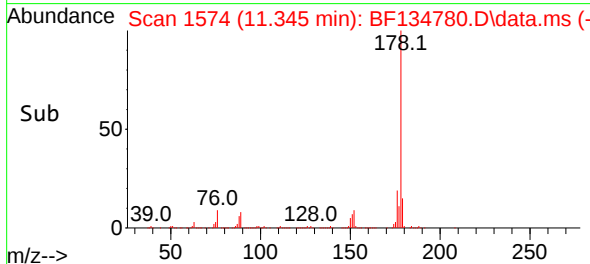
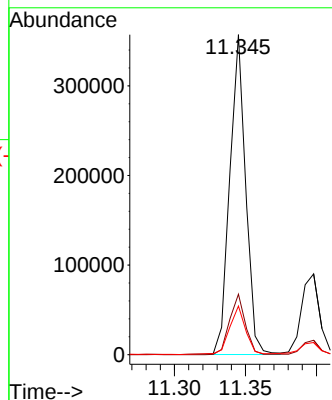
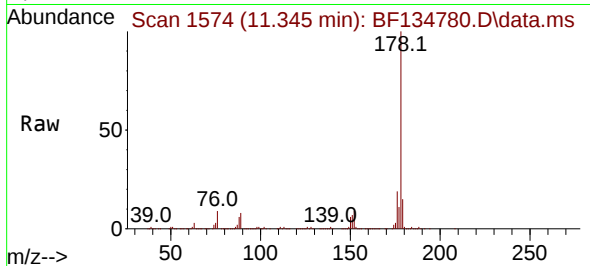




#71
Phenanthrene
Concen: 7.552 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

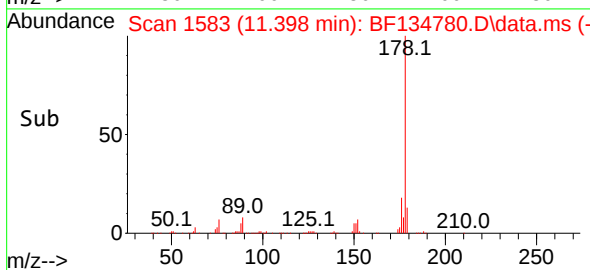
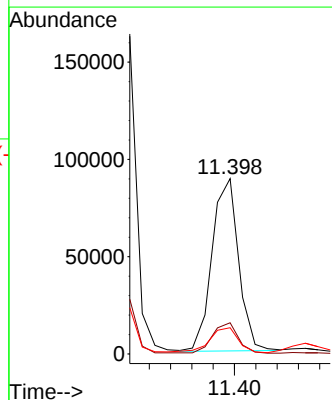
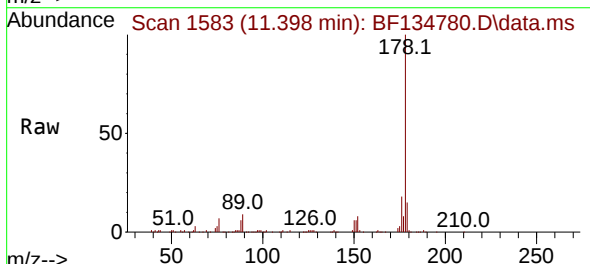
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

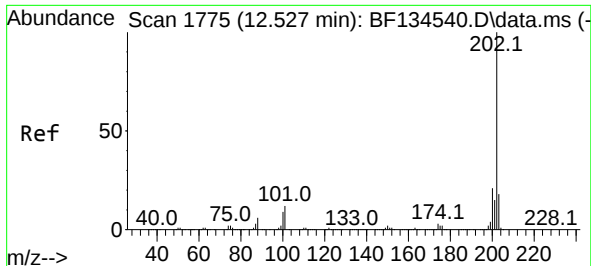
Tgt Ion:178 Resp: 278653
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.2 12.7 19.1



#72
Anthracene
Concen: 2.036 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:178 Resp: 76725
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.0 12.3 18.5

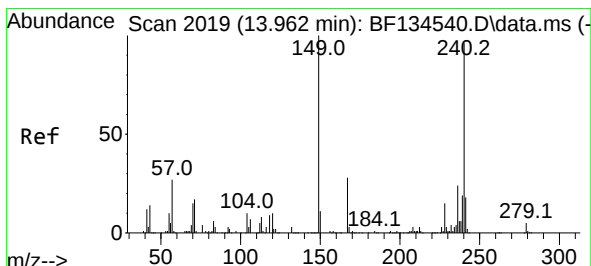
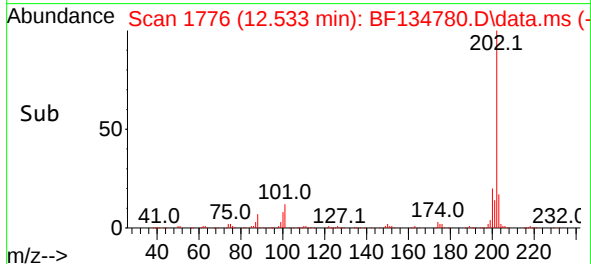
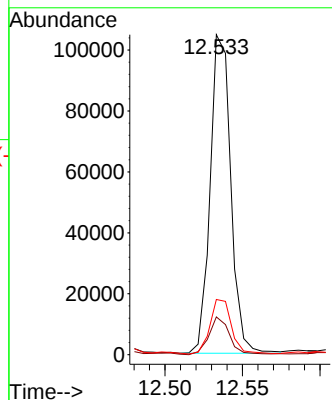
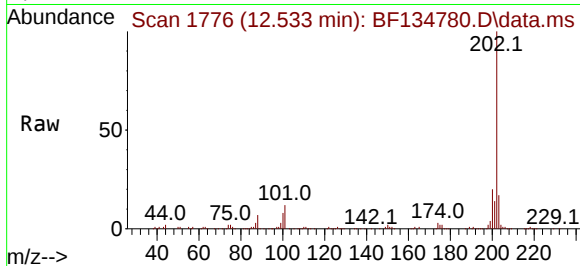




#75
Fluoranthene
Concen: 2.482 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

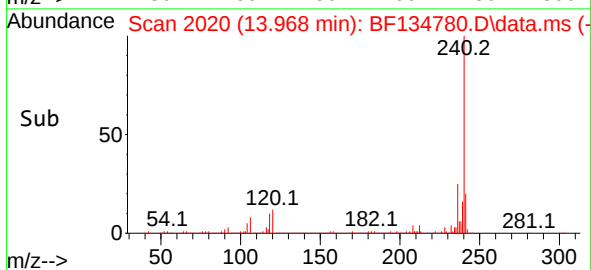
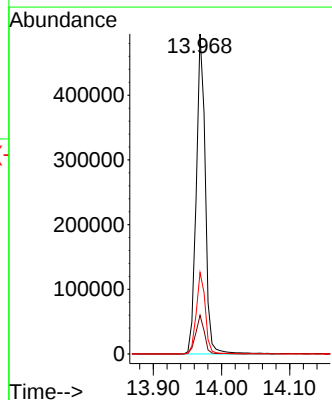
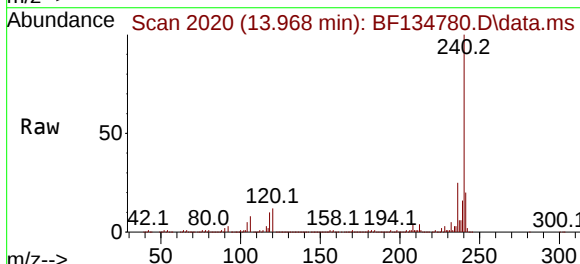
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

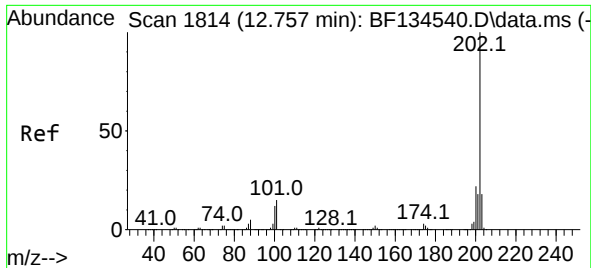
Tgt Ion:202 Resp: 96752
Ion Ratio Lower Upper
202 100
101 11.8 0.0 28.5
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

Tgt Ion:240 Resp: 454564
Ion Ratio Lower Upper
240 100
120 12.1 6.6 10.0#
236 25.4 20.2 30.2

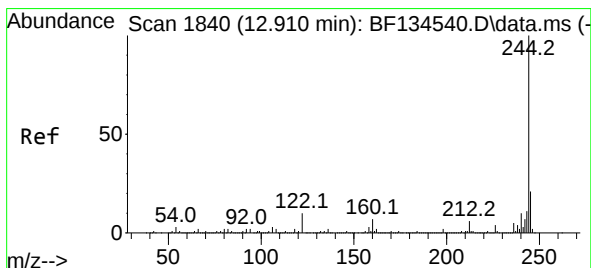
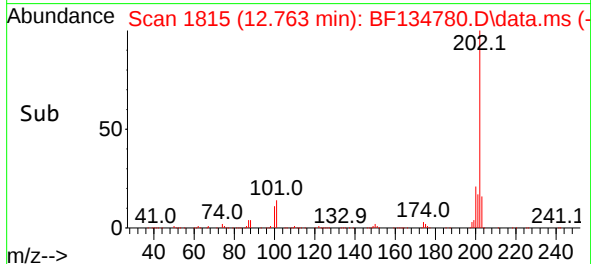
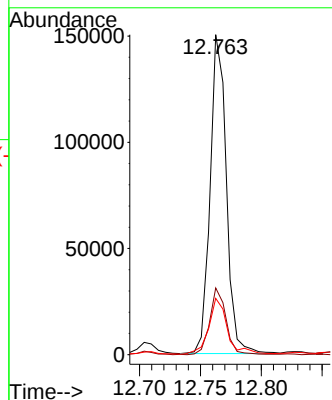
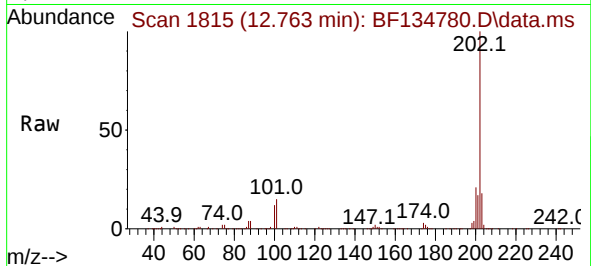




#78
Pyrene
Concen: 3.523 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

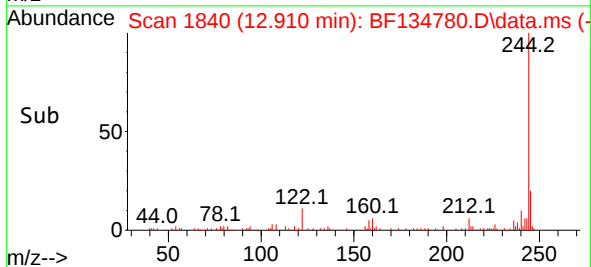
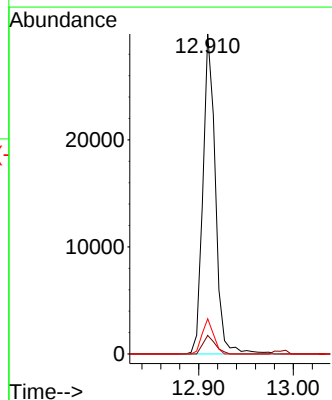
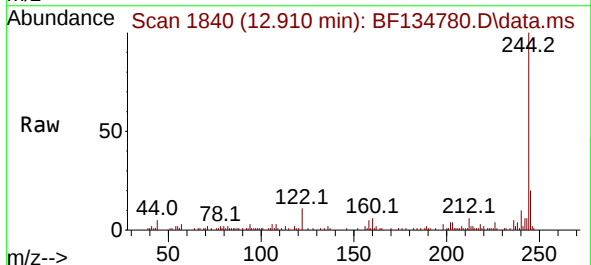
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z46-47DL

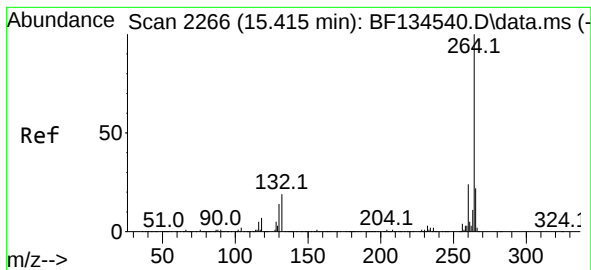
Tgt Ion:202 Resp: 138586
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.8
203 17.6 13.5 20.3



#79
Terphenyl-d14
Concen: 1.063 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134780.D
Acq: 15 Aug 2023 11:56

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





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134780.D

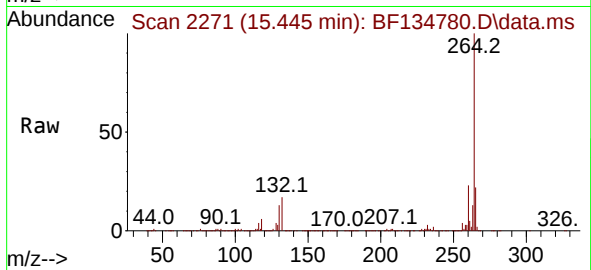
Acq: 15 Aug 2023 11:56

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z46-47DL



Tgt Ion:264 Resp: 409547

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 21.9 15.8 23.8

