

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134814.D
 Acq On : 16 Aug 2023 18:04
 Operator : CG\JU
 Sample : 03994-02DL2 500X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z36-37DL2

Quant Time: Aug 17 01:35:47 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)

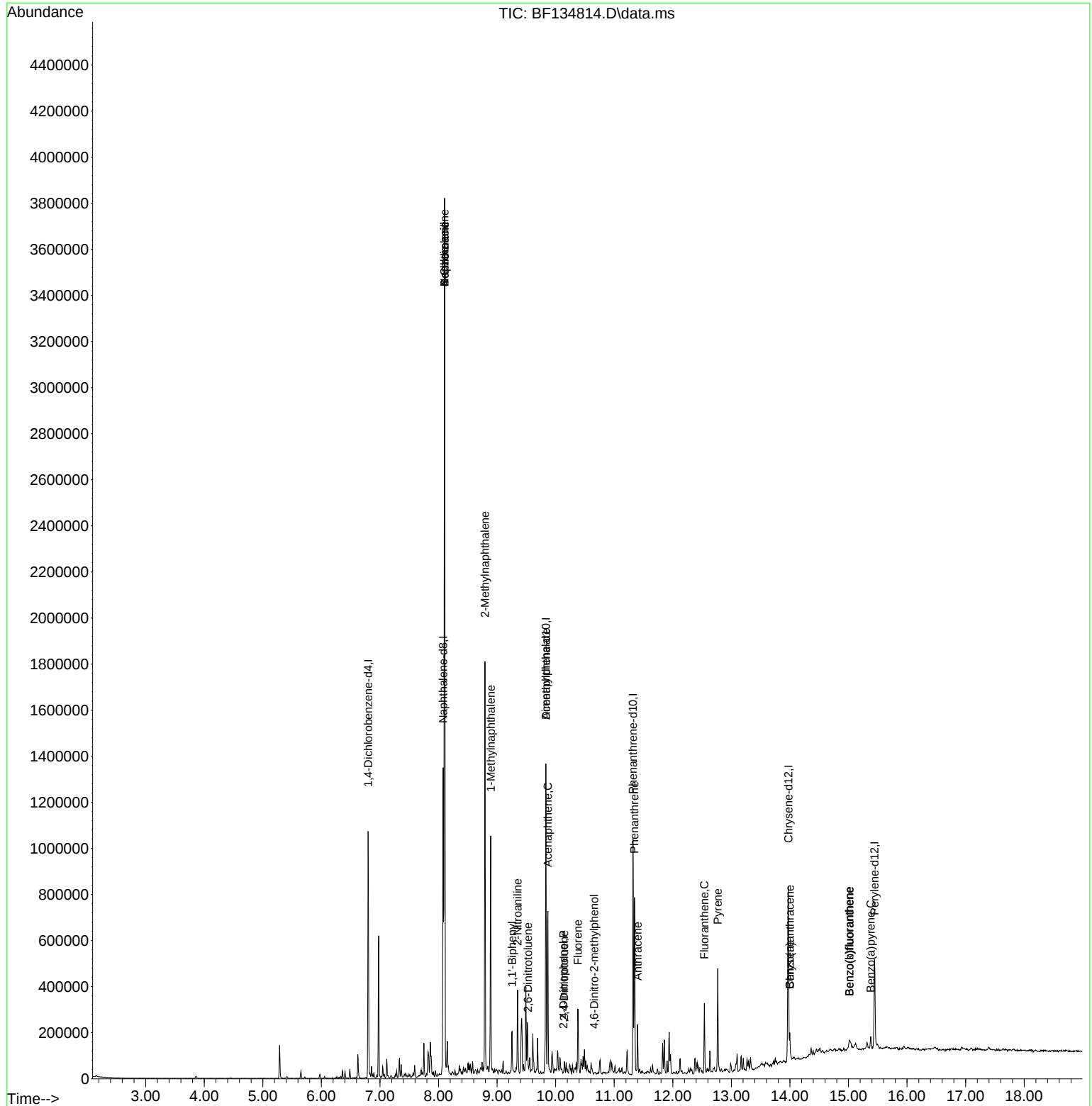
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	148607	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	557875	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	239879	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	367565	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	266157	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	197868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	830	0.085	ng	0.00
7) Phenol-d6	6.434	99	1115	0.089	ng	0.00
23) Nitrobenzene-d5	7.357	82	1375	0.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	151	0.062	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2571	0.178	ng	-0.01
79) Terphenyl-d14	12.916	244	2981	0.197	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	1432	Below Cal	#	1
31) Naphthalene	8.104	128	1545543	55.124	ng	99
32) Benzoic acid	8.104	122	3592	8.397	ng	# 1
33) 4-Chloroaniline	8.104	127	204811	16.394	ng	# 31
37) 2-Methylnaphthalene	8.792	142	425332	22.886	ng	99
38) 1-Methylnaphthalene	8.892	142	248180	14.361	ng	99
46) 1,1'-Biphenyl	9.257	154	57957	3.107	ng	95
48) 2-Nitroaniline	9.351	65	2198	3.637	ng	# 37
50) Dimethylphthalate	9.833	163	50696	3.101	ng	# 1
51) 2,6-Dinitrotoluene	9.528	165	1261	2.852	ng	# 76
52) Acenaphthene	9.869	154	151461	10.638	ng	99
54) 2,4-Dinitrophenol	10.133	184	59	6.840	ng	# 1
57) 2,4-Dinitrotoluene	10.145	165	1238	3.139	ng	# 53
58) Fluorene	10.380	166	68954	4.671	ng	96
65) 4,6-Dinitro-2-methylph...	10.657	198	315	8.873	ng	# 61
71) Phenanthrene	11.345	178	284414	14.568	ng	99
72) Anthracene	11.398	178	77391	3.881	ng	98
75) Fluoranthene	12.539	202	110050	5.336	ng	96
78) Pyrene	12.769	202	172762	7.501	ng	98
81) Benzo(a)anthracene	13.998	228	38712	2.034	ng	98
83) Chrysene	13.998	228	38712	2.088	ng	98
88) Benzo(b)fluoranthene	15.015	252	28533	2.364	ng	# 87
89) Benzo(k)fluoranthene	15.015	252	28533	2.373	ng	# 89
90) Benzo(a)pyrene	15.380	252	25433	2.260	ng	# 93

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

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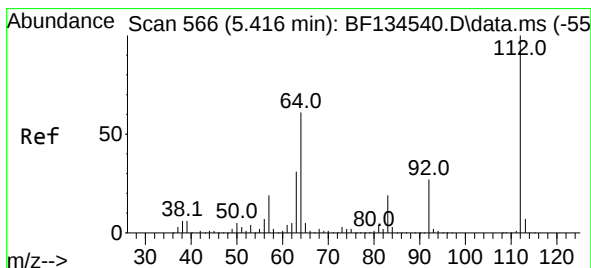
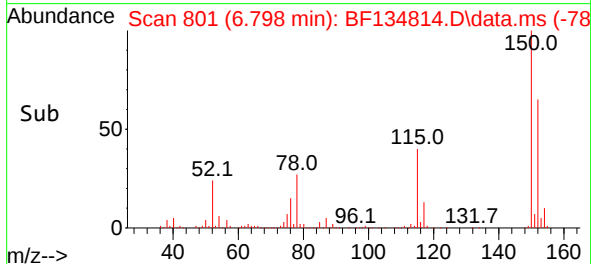
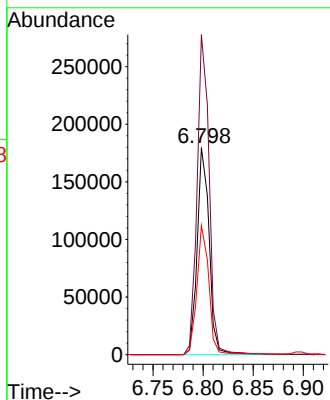
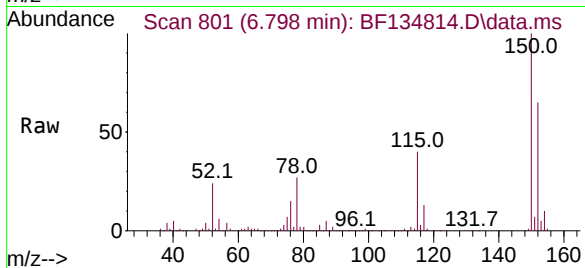




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

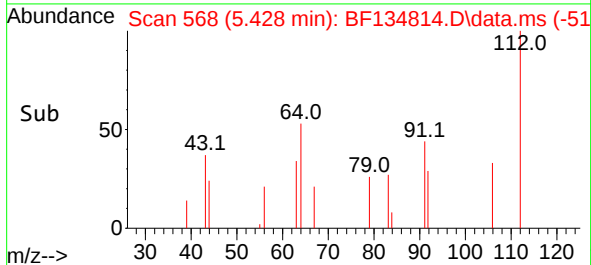
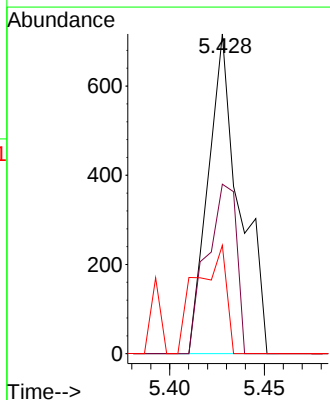
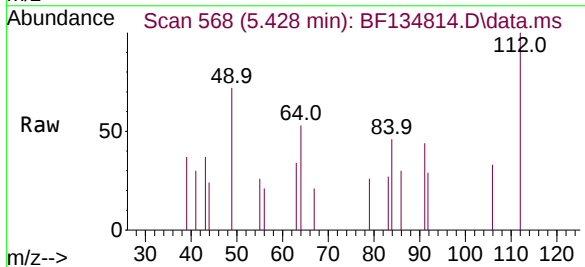
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

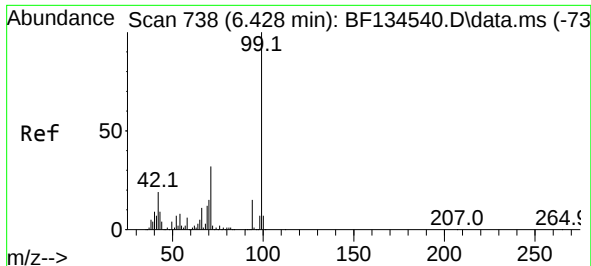
Tgt Ion:152 Resp: 148607
Ion Ratio Lower Upper
152 100
150 154.6 128.3 192.5
115 62.3 52.4 78.6



#5
2-Fluorophenol
Concen: 0.085 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:112 Resp: 830
Ion Ratio Lower Upper
112 100
64 53.0 44.9 67.3
63 33.9 25.4 38.0





#7

Phenol-d6

Concen: 0.089 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF134814.D

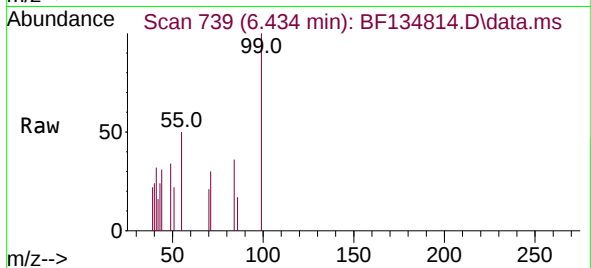
Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2



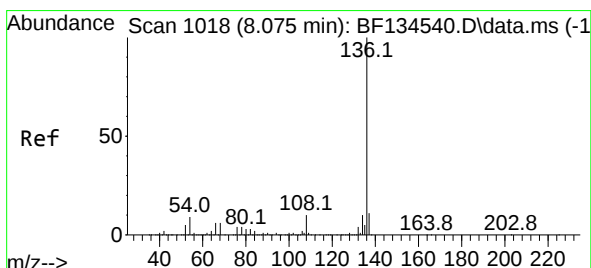
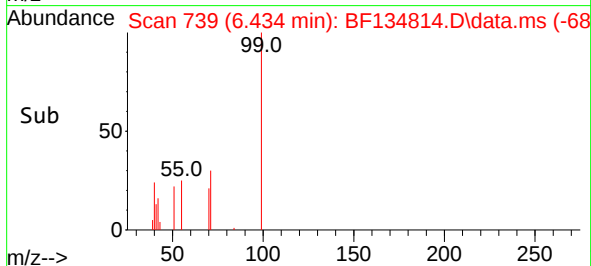
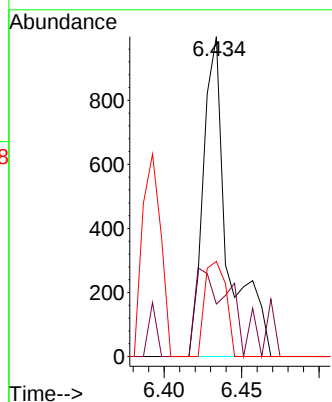
Tgt Ion: 99 Resp: 1115

Ion Ratio Lower Upper

99 100

42 16.4 18.7 28.1#

71 29.7 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: BF134814.D

Acq: 16 Aug 2023 18:04

Tgt Ion: 136 Resp: 557875

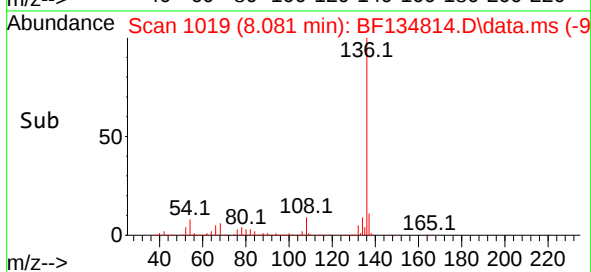
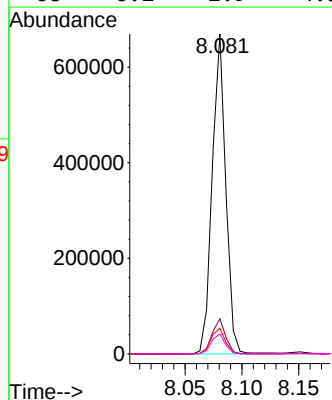
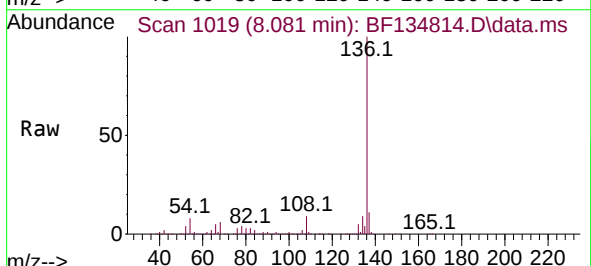
Ion Ratio Lower Upper

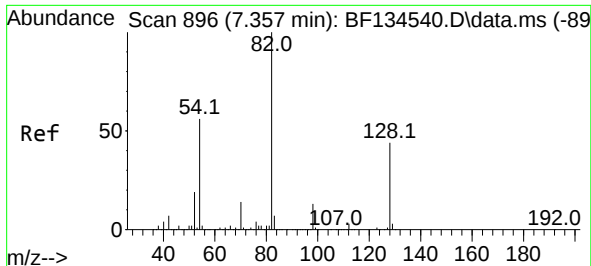
136 100

137 11.0 8.4 12.6

54 8.0 5.2 7.8#

68 6.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.154 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

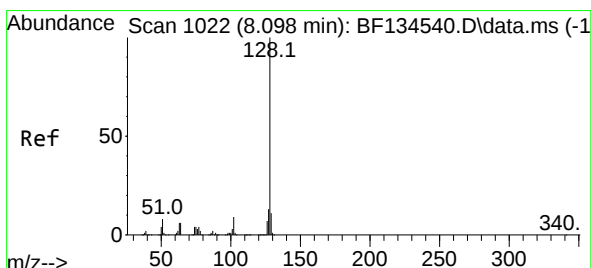
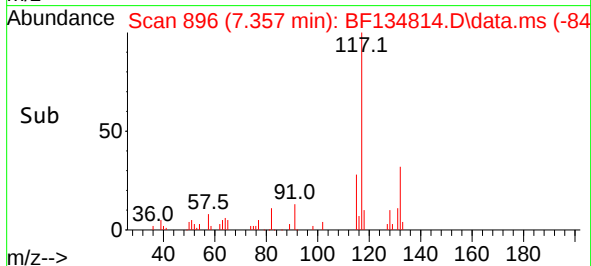
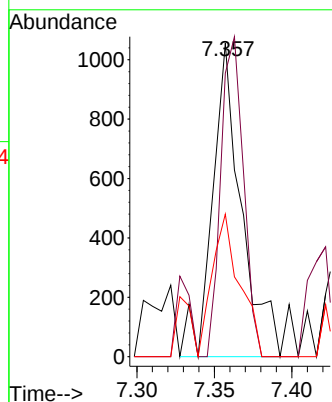
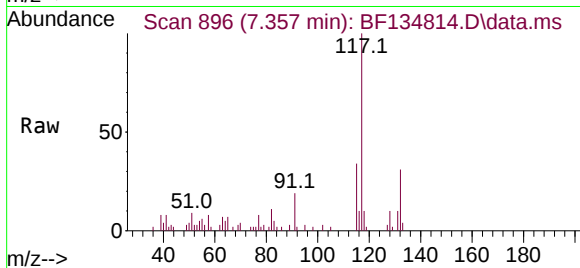
Tgt Ion: 82 Resp: 1375

Ion Ratio Lower Upper

82 100

128 90.4 34.3 51.5#

54 45.5 43.8 65.6



#31

Naphthalene

Concen: 55.124 ng

RT: 8.104 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

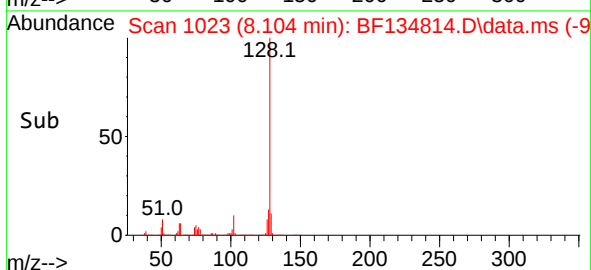
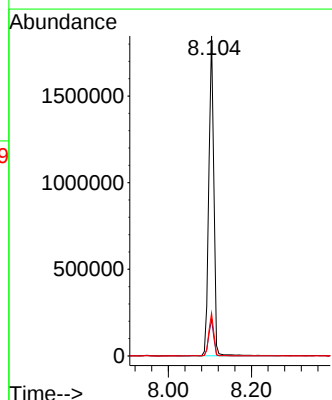
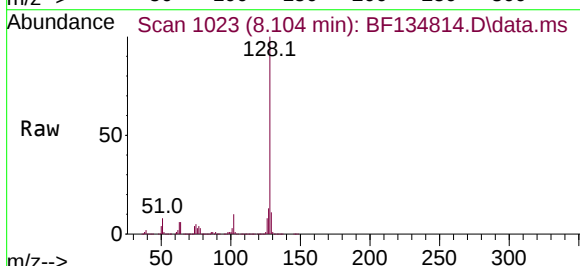
Tgt Ion:128 Resp: 1545543

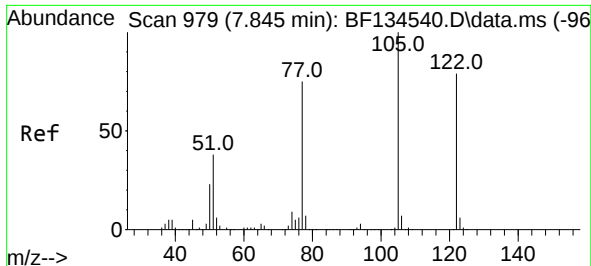
Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

127 13.4 10.7 16.1

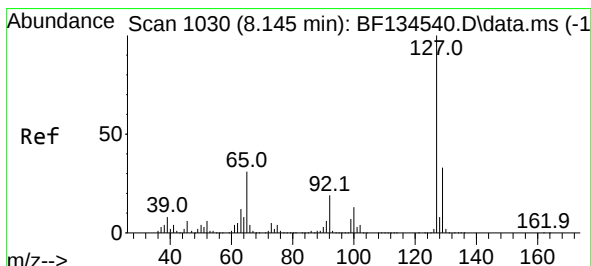
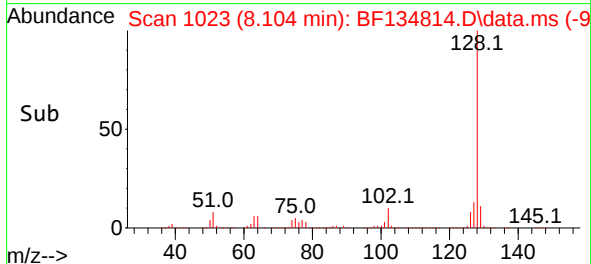
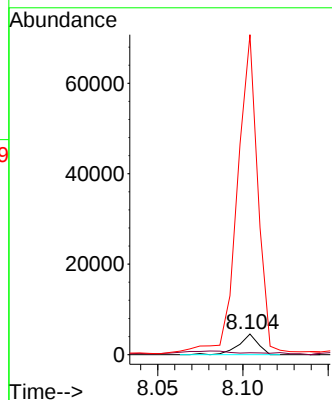
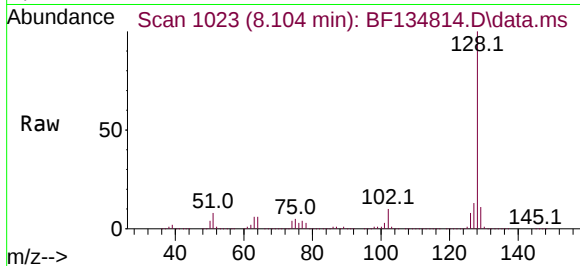




#32
Benzoic acid
Concen: 8.397 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.241 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

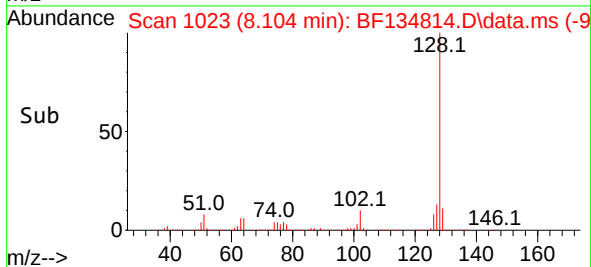
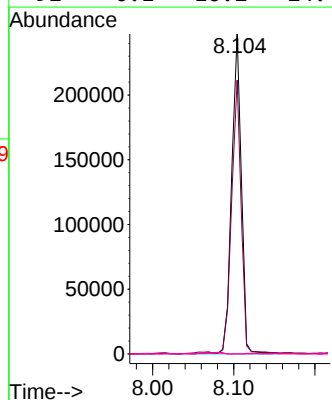
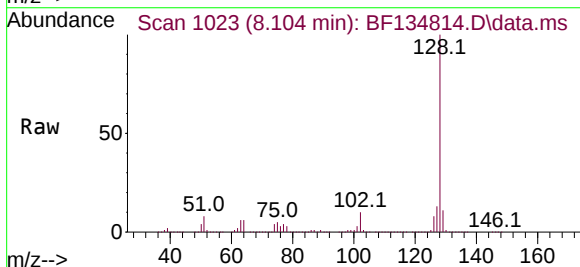
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

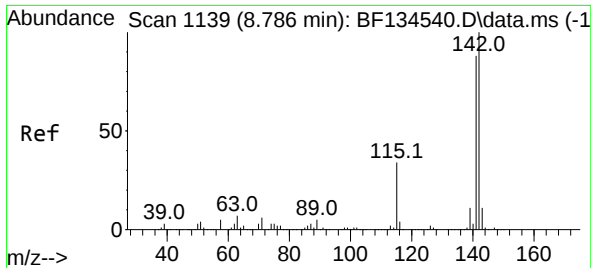
Tgt Ion:122 Resp: 3592
Ion Ratio Lower Upper
122 100
105 8.9 87.5 127.5#
77 1549.2 71.4 111.4#



#33
4-Chloroaniline
Concen: 16.394 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.047 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:127 Resp: 204811
Ion Ratio Lower Upper
127 100
129 85.5 25.6 38.4#
65 0.0 25.4 38.0#
92 0.1 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 22.886 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

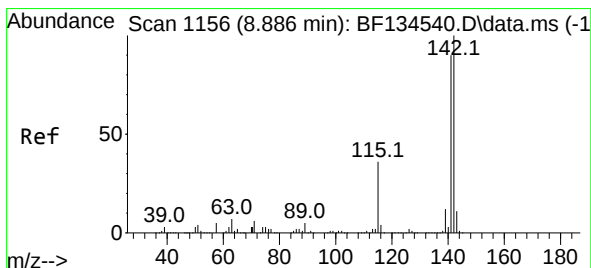
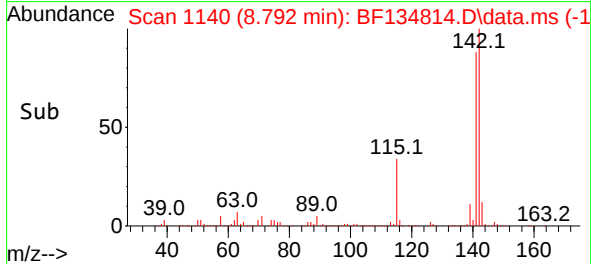
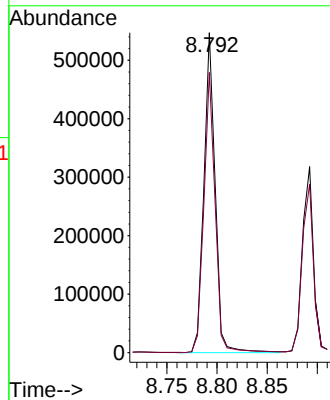
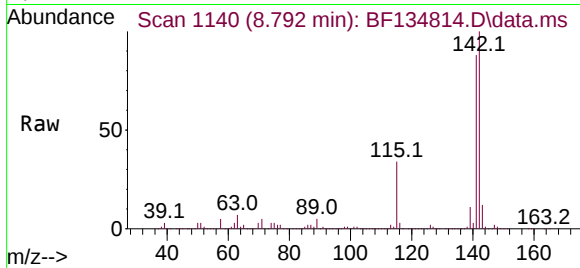
NEVINS-SB06-Z36-37DL2

Tgt Ion:142 Resp: 425332

Ion Ratio Lower Upper

142 100

141 87.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 14.361 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134814.D

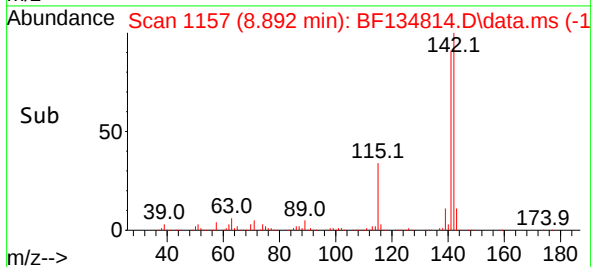
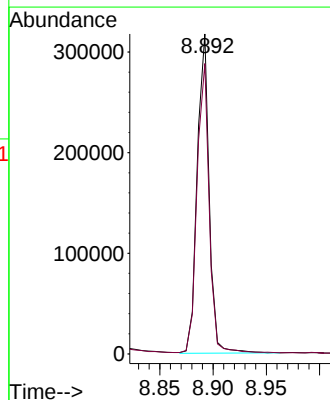
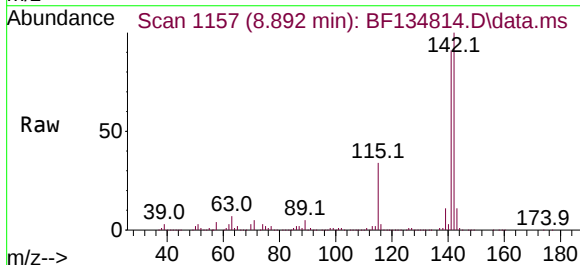
Acq: 16 Aug 2023 18:04

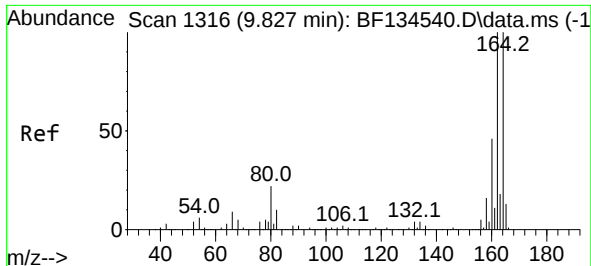
Tgt Ion:142 Resp: 248180

Ion Ratio Lower Upper

142 100

141 90.7 71.4 107.2

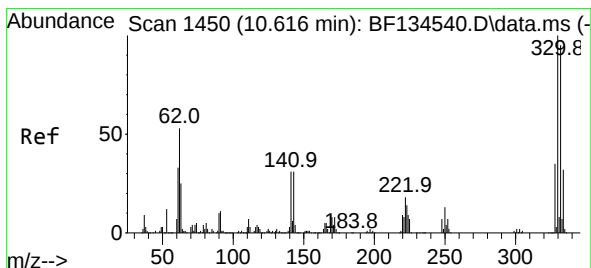
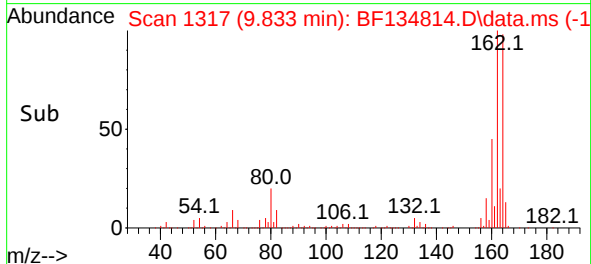
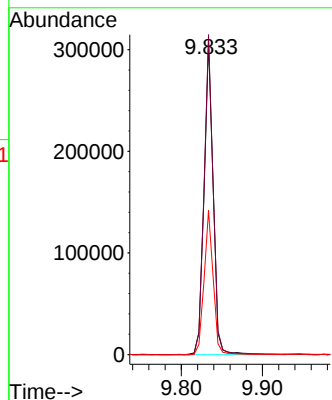
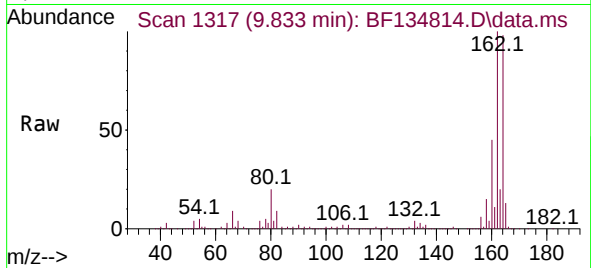




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

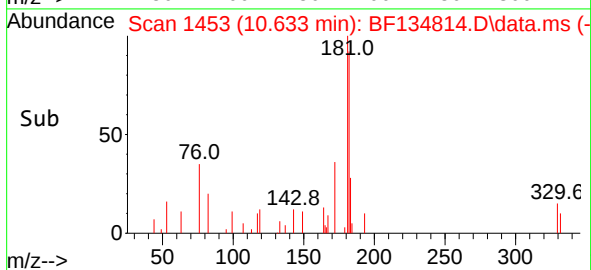
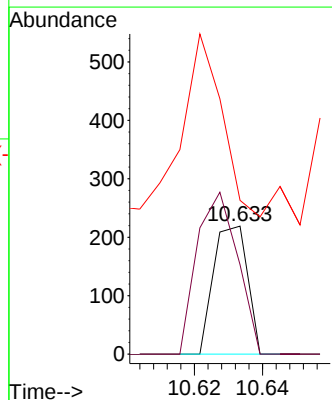
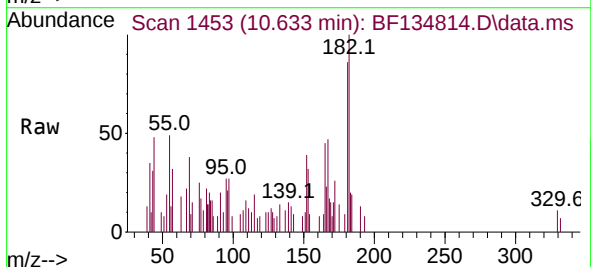
Instrument :
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NEVINS-SB06-Z36-37DL2

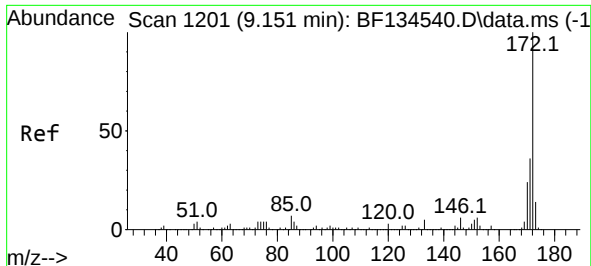
Tgt Ion:164 Resp: 239879
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 46.0 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 0.062 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:330 Resp: 151
Ion Ratio Lower Upper
330 100
332 151.0 78.8 118.2#
141 167.5 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.178 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

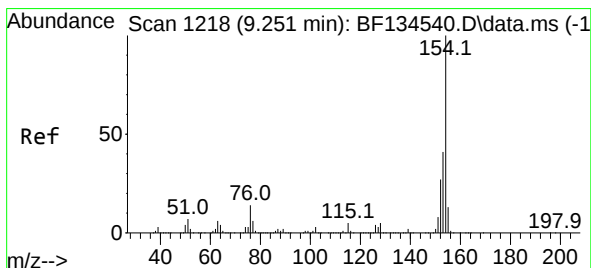
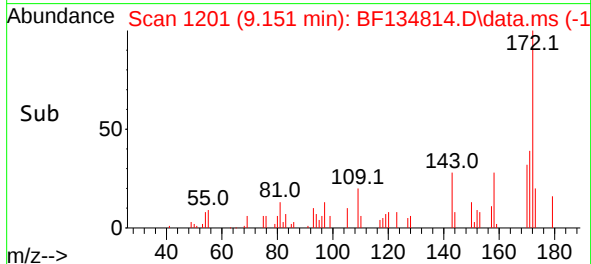
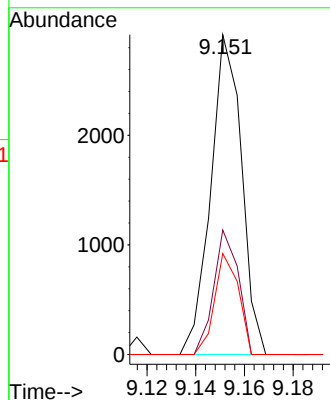
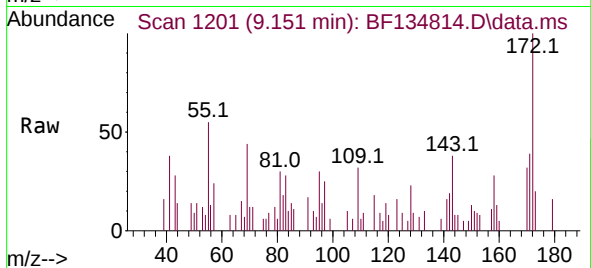
Tgt Ion:172 Resp: 2571

Ion Ratio Lower Upper

172 100

171 38.9 28.8 43.2

170 31.6 18.7 28.1#



#46

1,1'-Biphenyl

Concen: 3.107 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

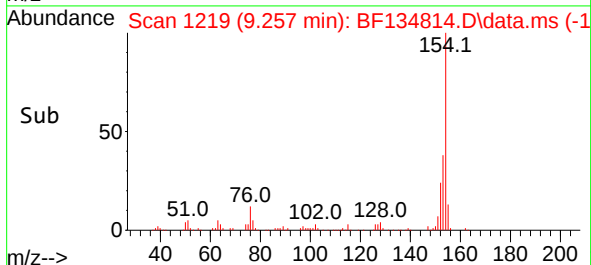
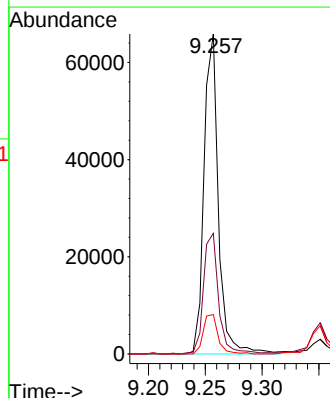
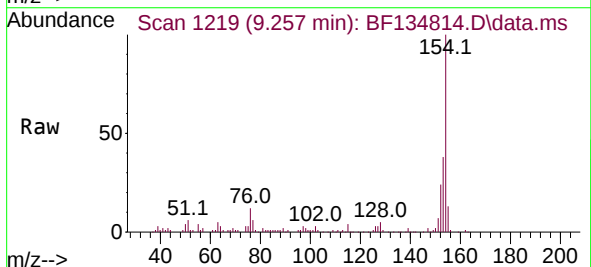
Tgt Ion:154 Resp: 57957

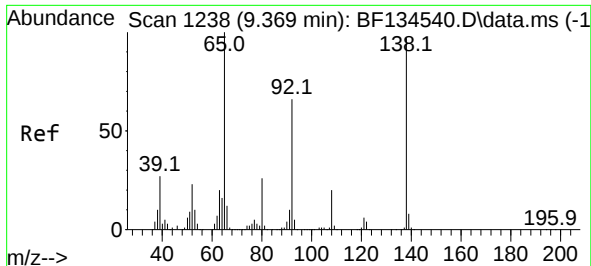
Ion Ratio Lower Upper

154 100

153 37.7 20.8 60.8

76 12.3 0.0 30.2

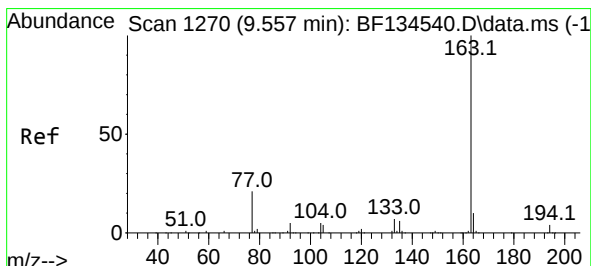
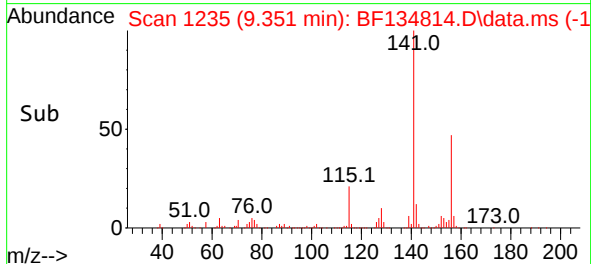
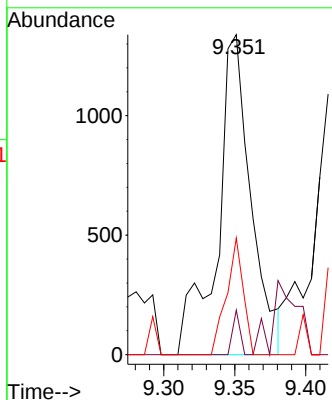
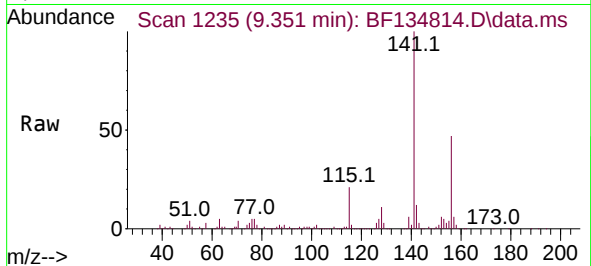




#48
2-Nitroaniline
Concen: 3.637 ng
RT: 9.351 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

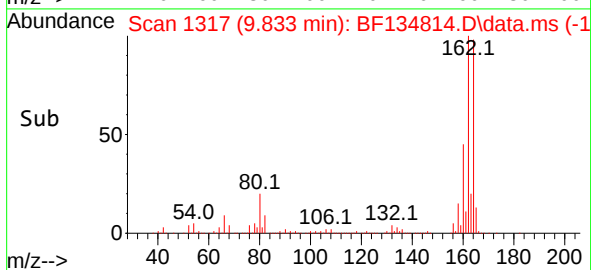
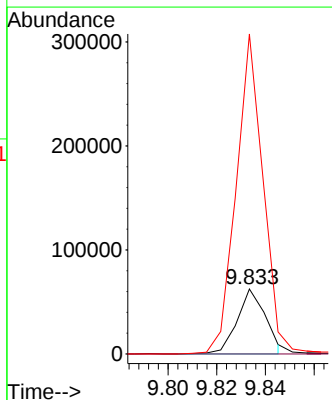
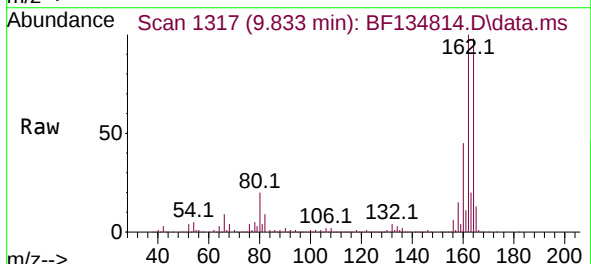
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

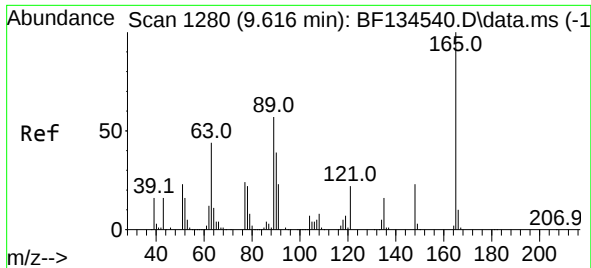
Tgt Ion: 65 Resp: 2198
Ion Ratio Lower Upper
65 100
92 13.9 50.7 76.1#
138 36.4 78.2 117.4#



#50
Dimethylphthalate
Concen: 3.101 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:163 Resp: 50696
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 493.2 7.5 11.3#

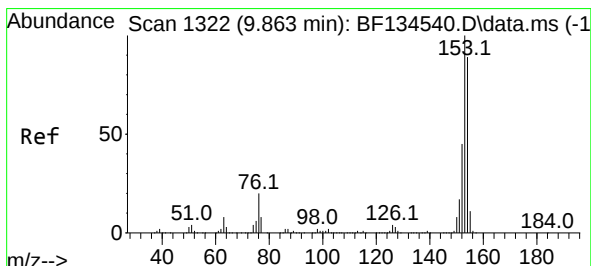
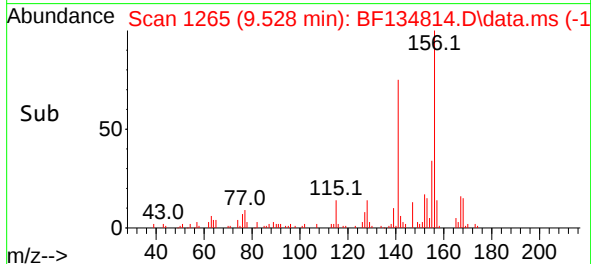
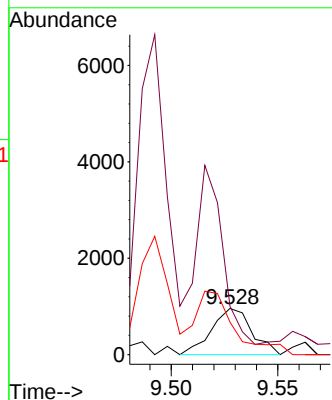
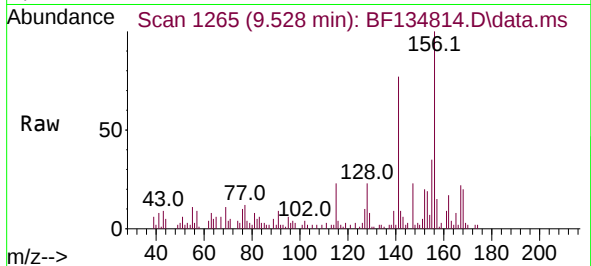




#51
2,6-Dinitrotoluene
Concen: 2.852 ng
RT: 9.528 min Scan# 1265
Delta R.T. -0.100 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

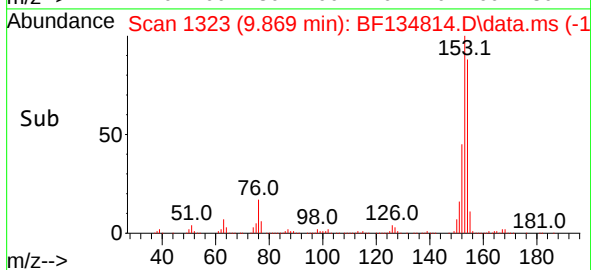
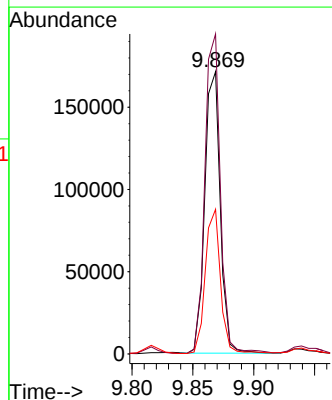
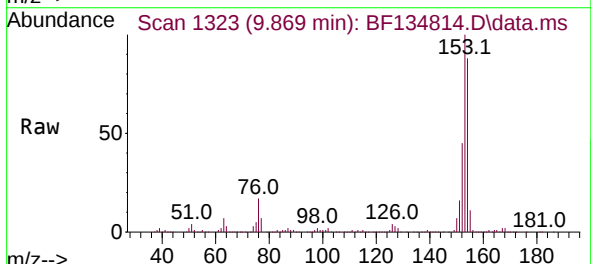
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

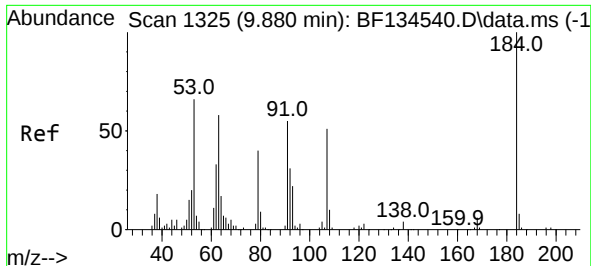
Tgt Ion:165 Resp: 1261
Ion Ratio Lower Upper
165 100
63 105.0 57.8 86.6#
89 70.5 51.8 77.8



#52
Acenaphthene
Concen: 10.638 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:154 Resp: 151461
Ion Ratio Lower Upper
154 100
153 113.4 90.0 135.0
152 51.2 42.4 63.6

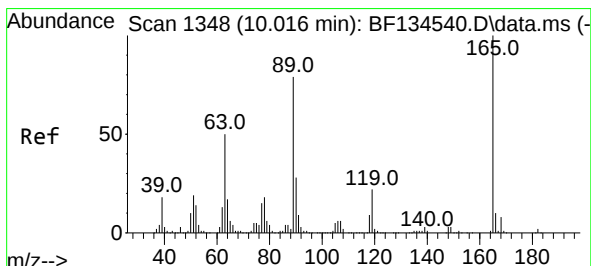
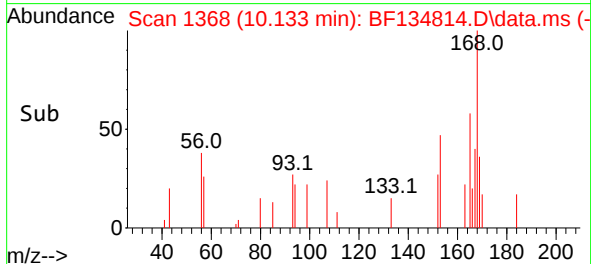
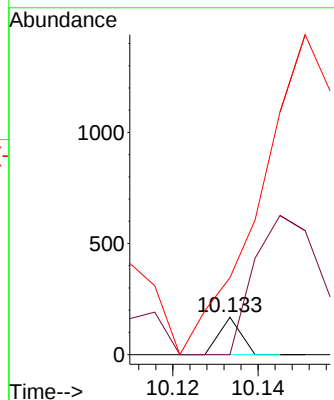
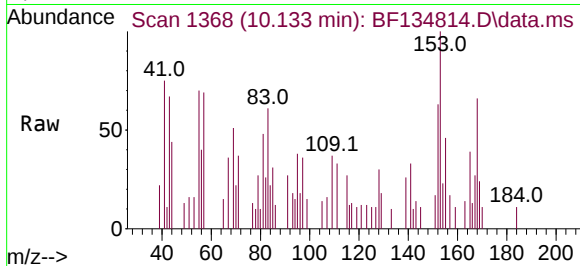




#54
2,4-Dinitrophenol
Concen: 6.840 ng
RT: 10.133 min Scan# 1325
Delta R.T. 0.235 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

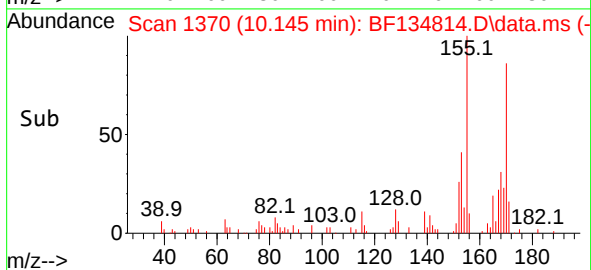
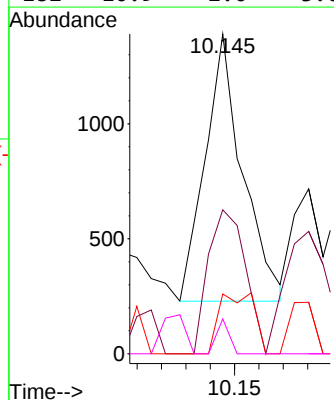
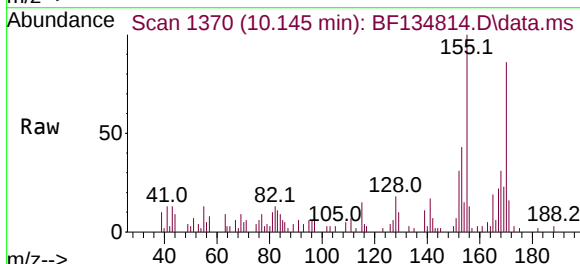
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

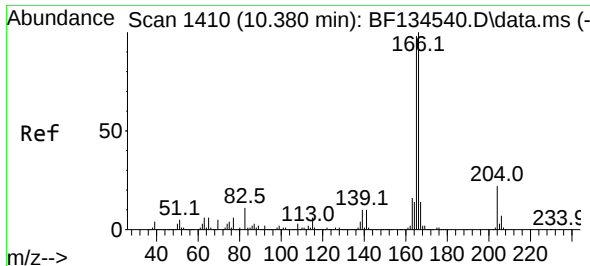
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 57.1 85.7#
154 206.0 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 3.139 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.118 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:165 Resp: 1238
Ion Ratio Lower Upper
165 100
63 45.0 48.9 73.3#
89 18.7 61.7 92.5#
182 10.9 2.0 3.0#

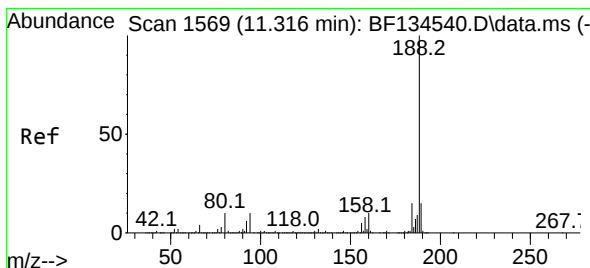
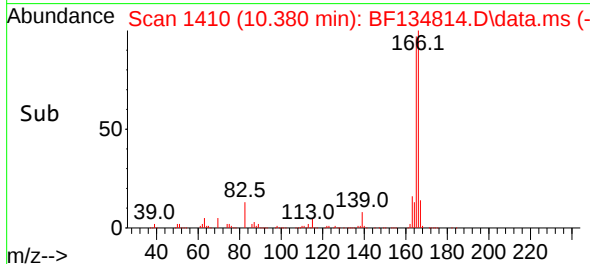
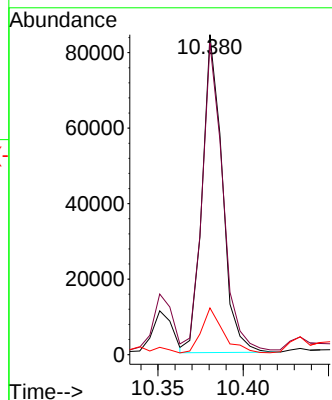
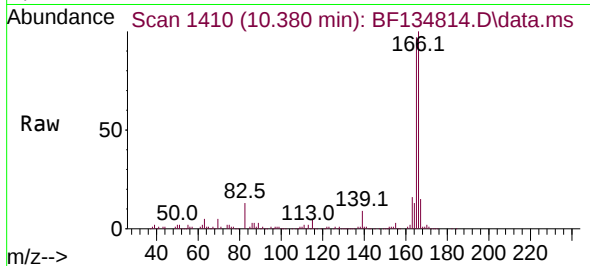




#58
Fluorene
Concen: 4.671 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

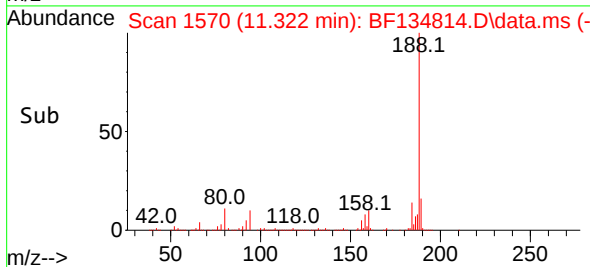
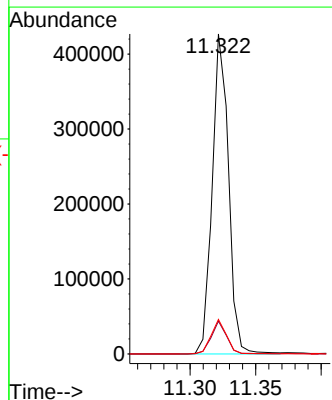
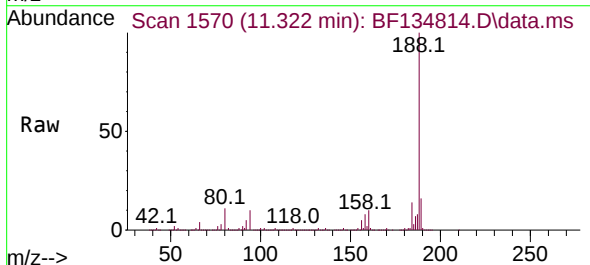
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

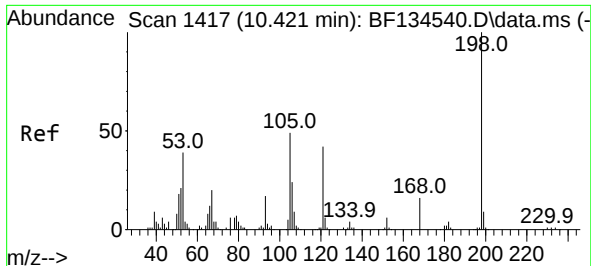
Tgt Ion:166 Resp: 68954
Ion Ratio Lower Upper
166 100
165 97.3 74.5 111.7
167 14.6 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:188 Resp: 367565
Ion Ratio Lower Upper
188 100
94 10.2 5.1 7.7#
80 10.8 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.873 ng

RT: 10.657 min Scan# 1417

Delta R.T. 0.218 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

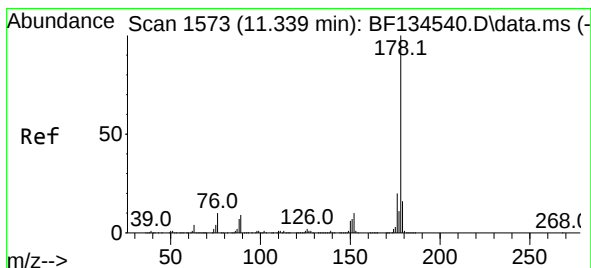
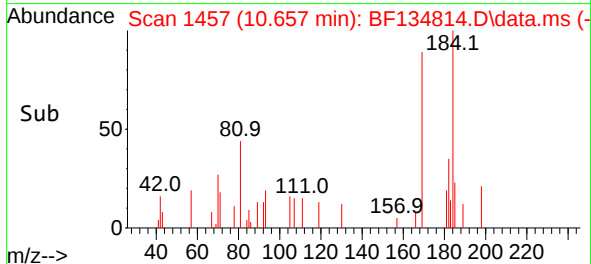
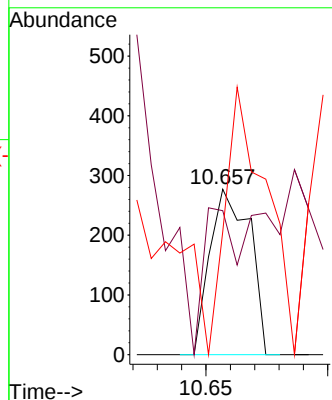
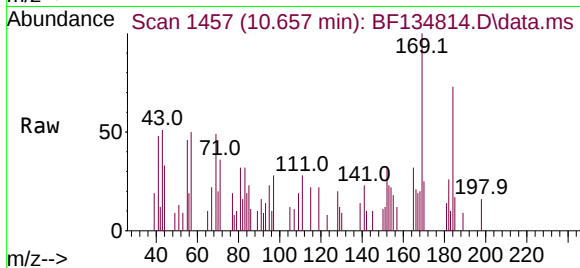
Tgt Ion:198 Resp: 315

Ion Ratio Lower Upper

198 100

51 87.0 38.6 78.6#

105 74.4 27.9 67.9#



#71

Phenanthrene

Concen: 14.568 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

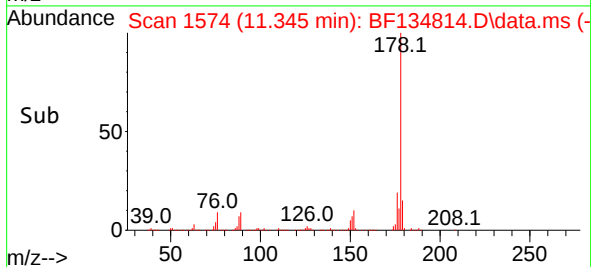
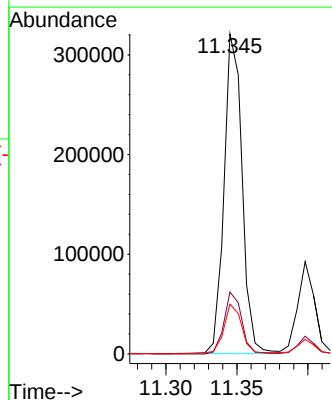
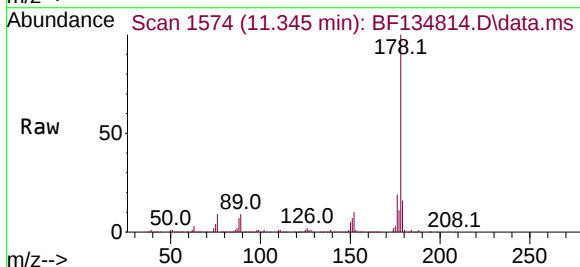
Tgt Ion:178 Resp: 284414

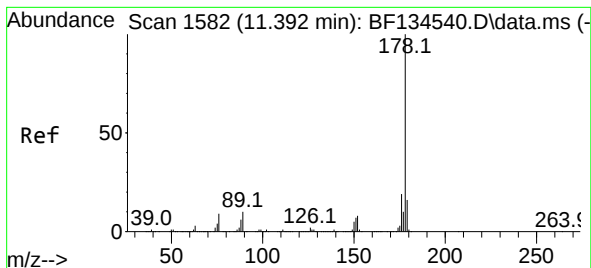
Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.5 12.7 19.1





#72

Anthracene

Concen: 3.881 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

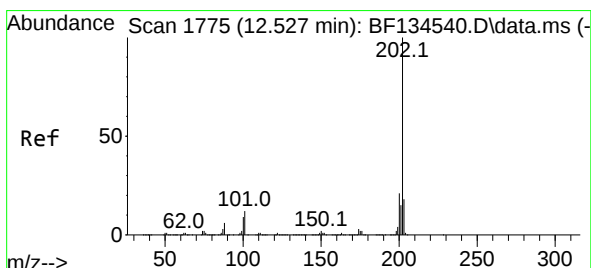
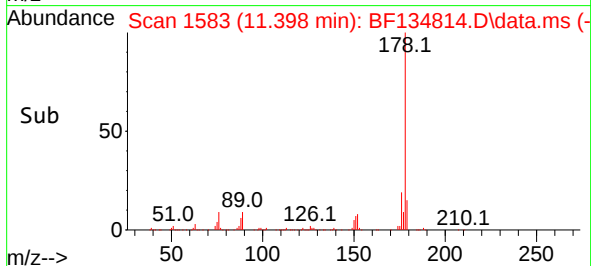
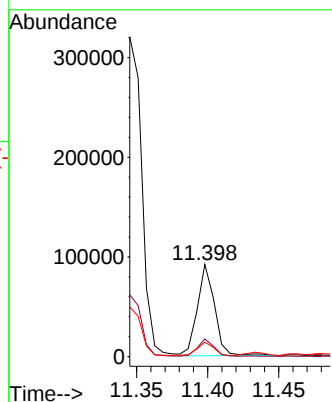
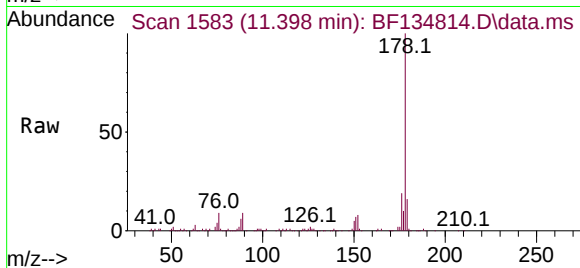
Tgt Ion:178 Resp: 77391

Ion Ratio Lower Upper

178 100

176 19.2 14.6 21.8

179 15.8 12.3 18.5



#75

Fluoranthene

Concen: 5.336 ng

RT: 12.539 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

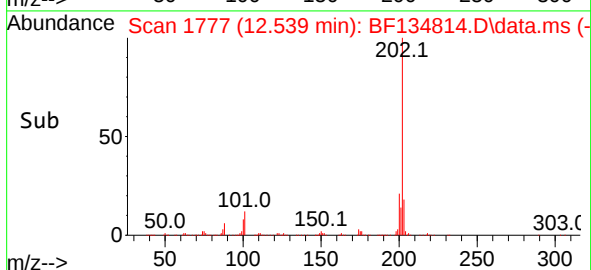
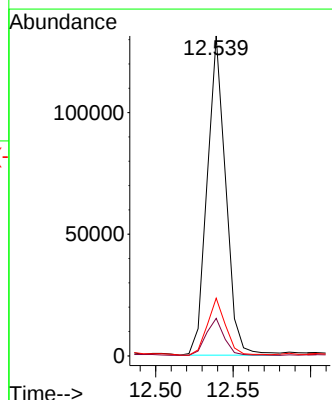
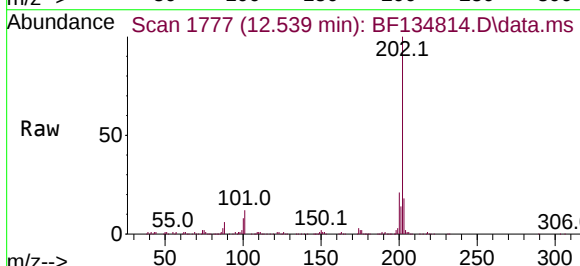
Tgt Ion:202 Resp: 110050

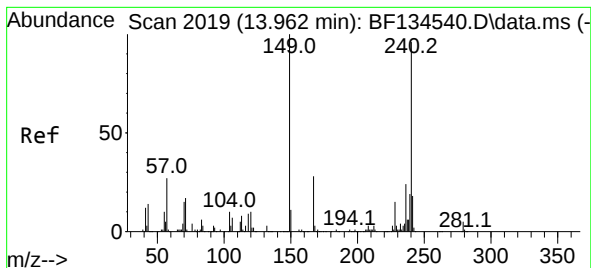
Ion Ratio Lower Upper

202 100

101 11.8 0.0 28.5

203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

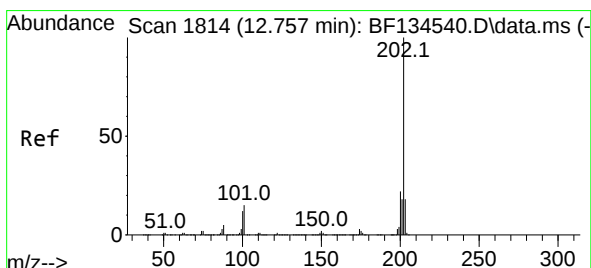
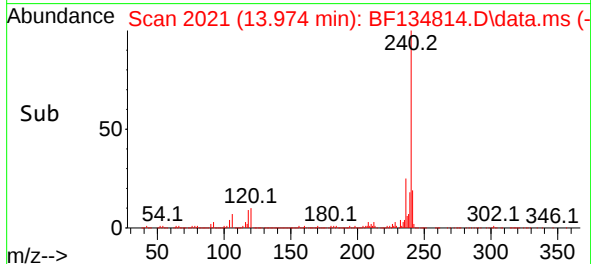
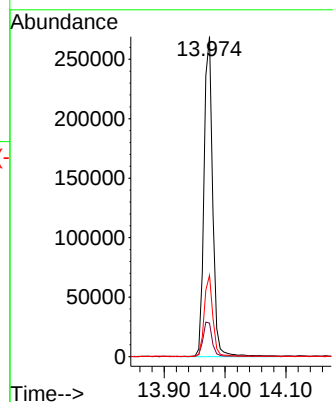
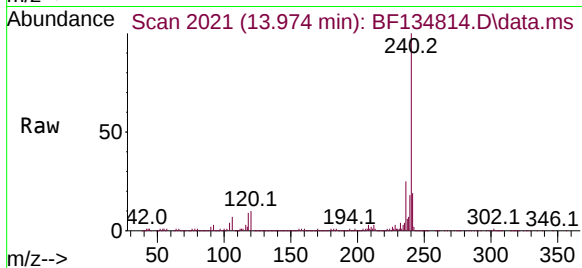
Tgt Ion:240 Resp: 266157

Ion Ratio Lower Upper

240 100

120 10.5 6.6 10.0#

236 25.4 20.2 30.2



#78

Pyrene

Concen: 7.501 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

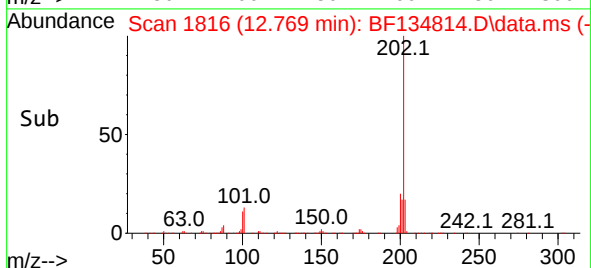
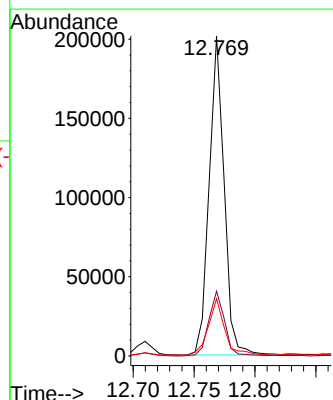
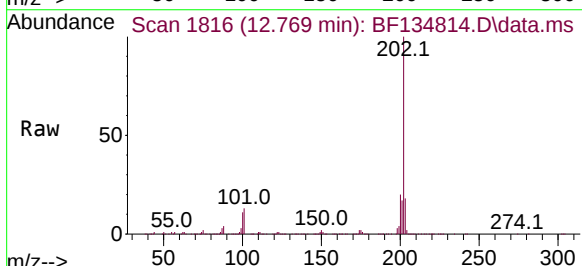
Tgt Ion:202 Resp: 172762

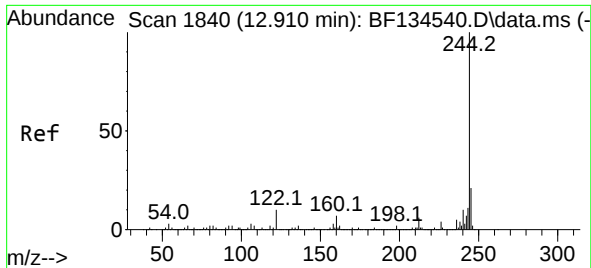
Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.8

203 17.9 13.5 20.3

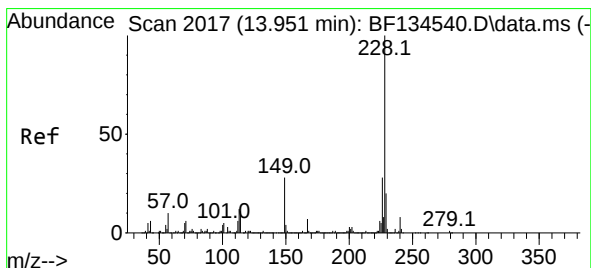
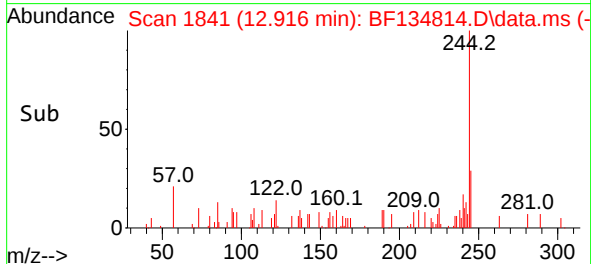
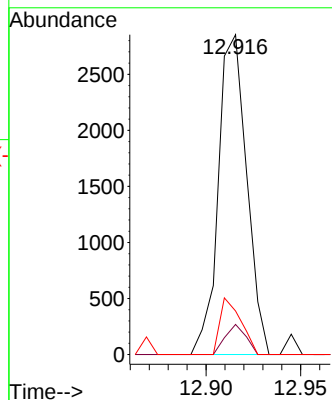
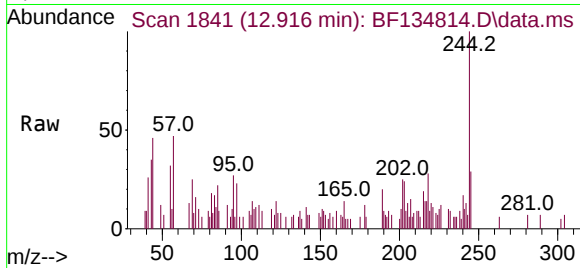




#79
Terphenyl-d14
Concen: 0.197 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

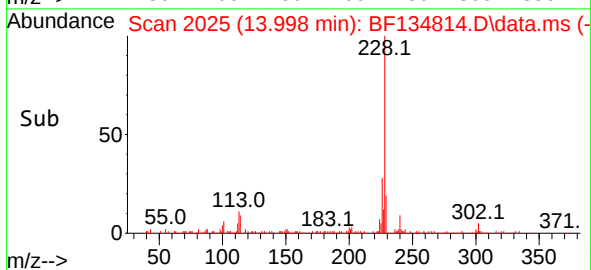
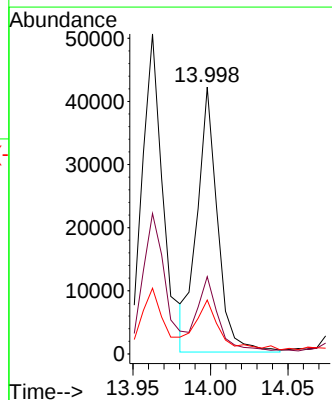
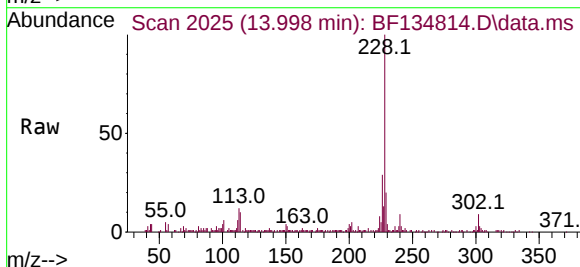
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2

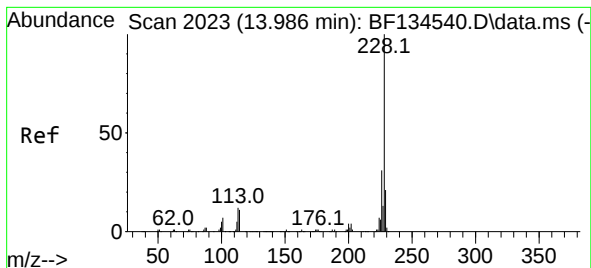
Tgt Ion:244 Resp: 2981
Ion Ratio Lower Upper
244 100
212 9.4 5.6 8.4#
122 13.6 8.0 12.0#



#81
Benzo(a)anthracene
Concen: 2.034 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.035 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:228 Resp: 38712
Ion Ratio Lower Upper
228 100
226 28.9 22.3 33.5
229 20.2 15.8 23.6





#83

Chrysene

Concen: 2.088 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

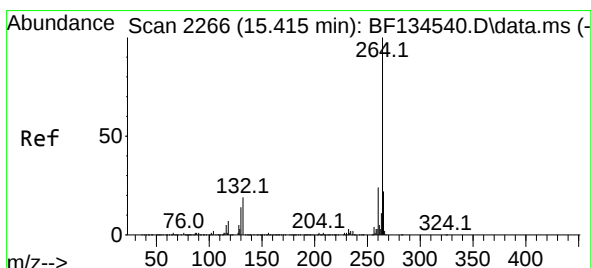
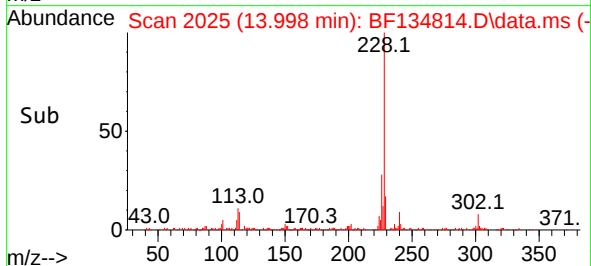
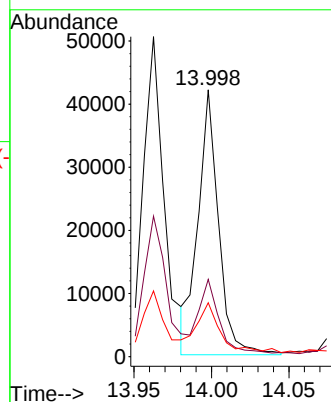
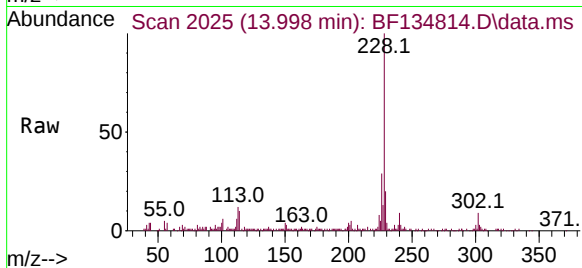
Tgt Ion:228 Resp: 38712

Ion Ratio Lower Upper

228 100

226 28.9 24.5 36.7

229 20.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

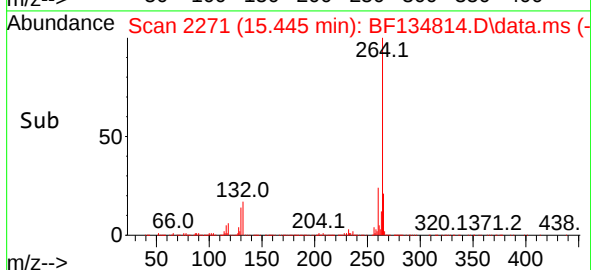
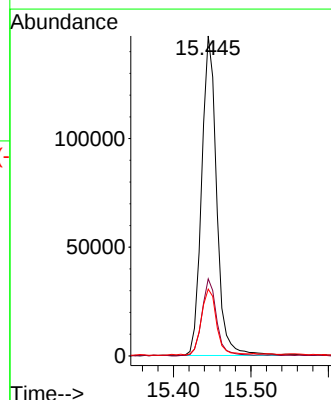
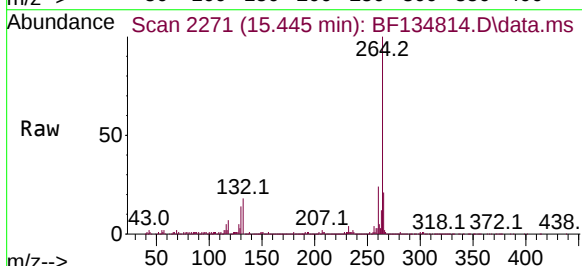
Tgt Ion:264 Resp: 197868

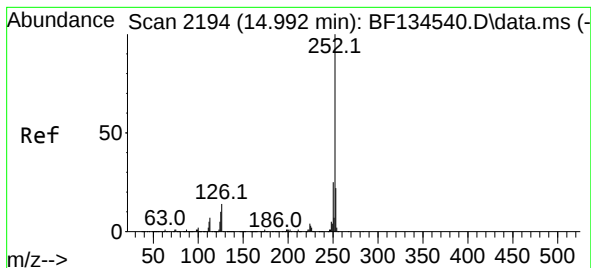
Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 20.9 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.364 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

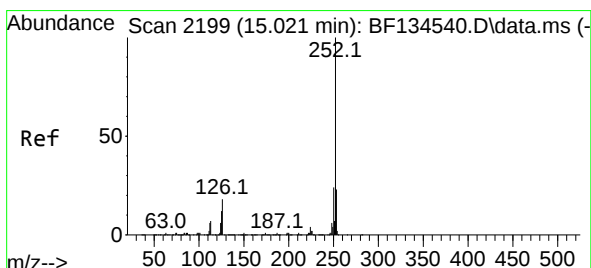
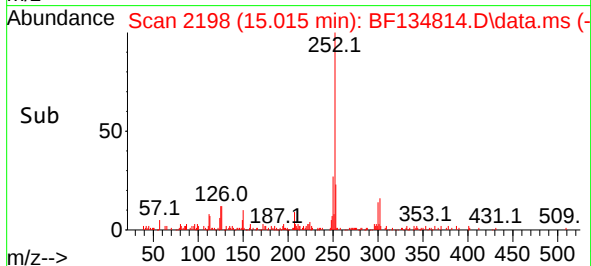
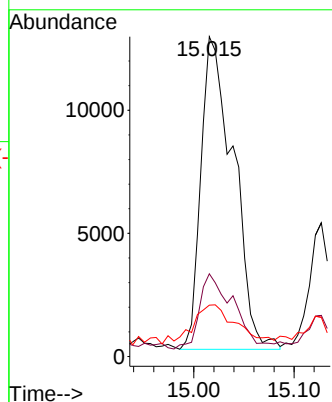
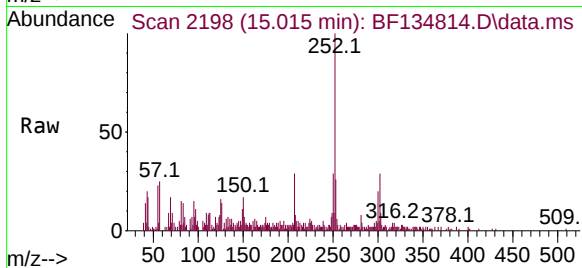
Tgt Ion:252 Resp: 28533

Ion Ratio Lower Upper

252 100

253 25.9 17.3 25.9

125 16.1 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.373 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

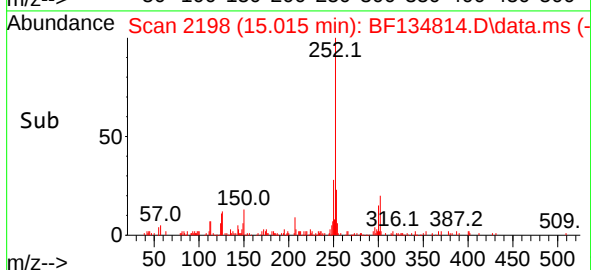
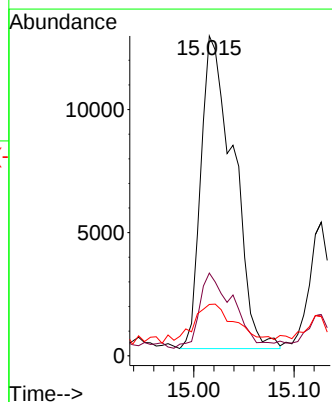
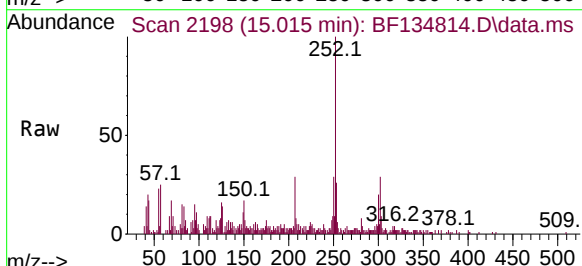
Tgt Ion:252 Resp: 28533

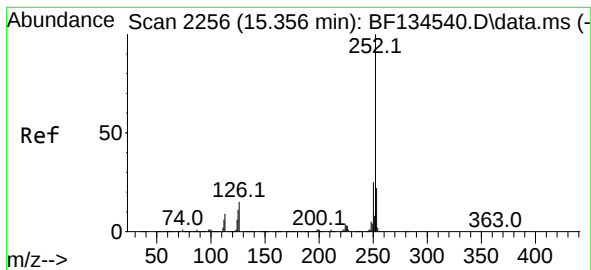
Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

125 16.1 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 2.260 ng

RT: 15.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134814.D

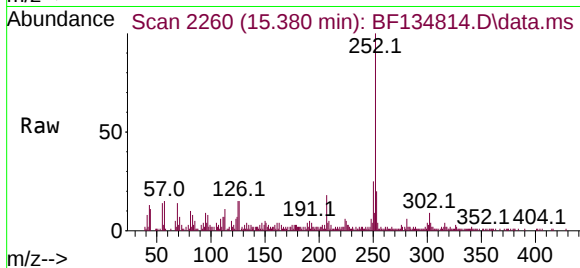
Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2



Tgt Ion:252 Resp: 25433

Ion Ratio Lower Upper

252 100

253 20.3 17.0 25.4

125 15.4 6.2 9.4#

