

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121423\
 Data File : BF136574.D
 Acq On : 14 Dec 2023 18:17
 Operator : CG\JU
 Sample : 05612-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 00:35:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

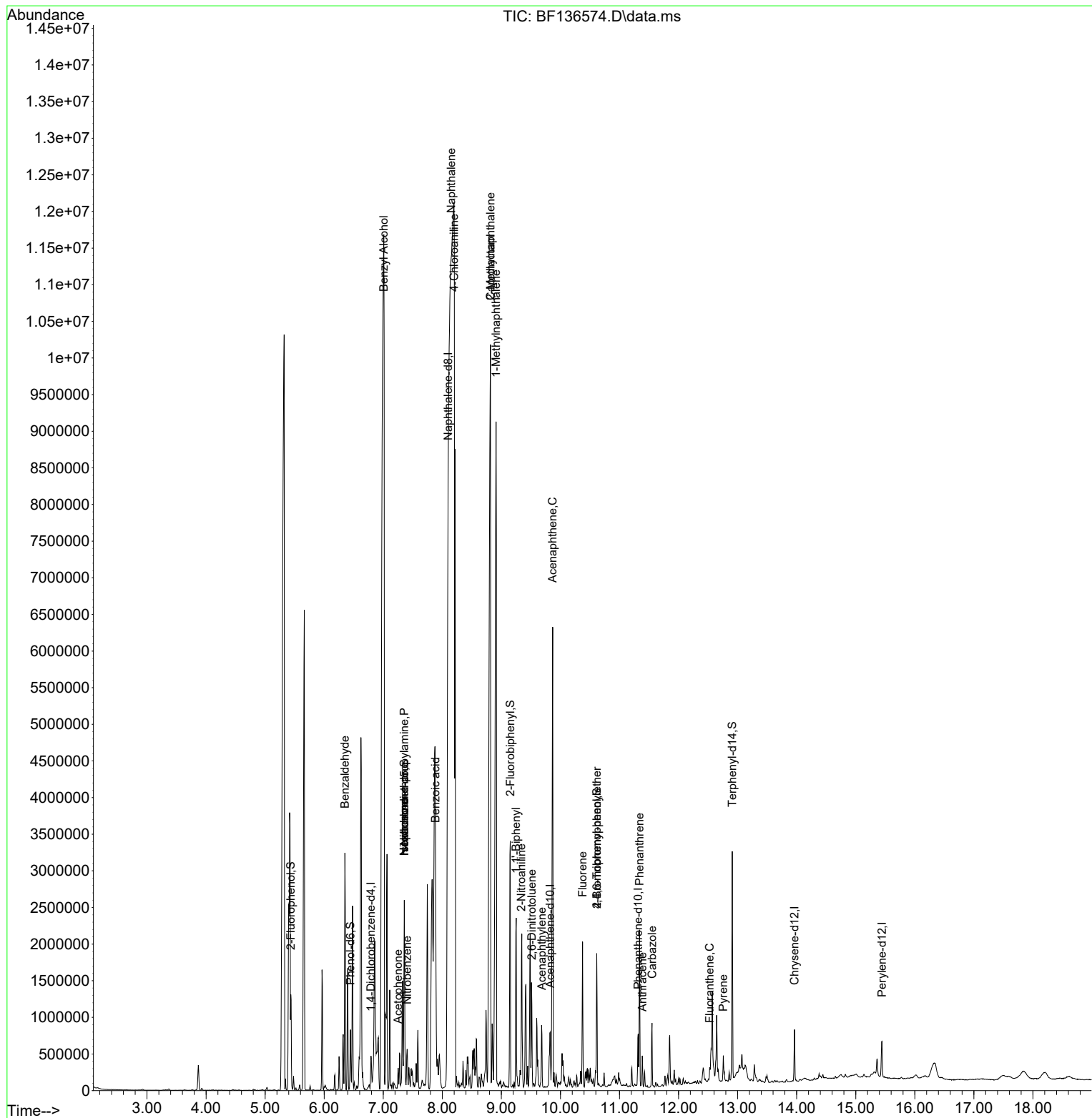
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	96162	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	162032	20.000	ng	# 0.03
39) Acenaphthene-d10	9.828	164	169458	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	287019	20.000	ng	0.00
76) Chrysene-d12	13.963	240	214420	20.000	ng	0.00
86) Perylene-d12	15.445	264	242620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	382980	58.817	ng	0.01
7) Phenol-d6	6.445	99	298103	36.694	ng	0.01
23) Nitrobenzene-d5	7.357	82	552826	184.445	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	224647	107.516	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1084061	87.290	ng	0.00
79) Terphenyl-d14	12.910	244	1083781	66.620	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	133338	30.752	ng	# 1
15) Benzyl Alcohol	7.010	79	30092	5.532	ng	# 1
18) Hexachloroethane	7.357	117	433197	153.004	ng	# 3
19) n-Nitroso-di-n-propyla...	7.357	70	73293	15.640	ng	# 81
22) Acetophenone	7.251	105	11148	2.786	ng	# 46
24) Nitrobenzene	7.404	77	14498	4.808	ng	# 2
25) Isophorone	7.357	82	364593	67.707	ng	# 65
31) Naphthalene	8.151	128	21322887	2386.335	ng	# 92
32) Benzoic acid	7.887	122	8638	4.764	ng	# 1
33) 4-Chloroaniline	8.198	127	6091289	1912.161	ng	# 43
35) Caprolactam	8.816	113	128385	172.804	ng	# 1
37) 2-Methylnaphthalene	8.816	142	5345554	940.353	ng	99
38) 1-Methylnaphthalene	8.910	142	4011508	719.141	ng	100
46) 1,1'-Biphenyl	9.251	154	727150	50.430	ng	99
48) 2-Nitroaniline	9.339	65	7091	2.356	ng	# 28
49) Acenaphthylene	9.686	152	119630	7.483	ng	# 88
51) 2,6-Dinitrotoluene	9.516	165	9760	3.477	ng	# 23
52) Acenaphthene	9.869	154	1582496	154.470	ng	98
58) Fluorene	10.375	166	494214	41.137	ng	98
67) 4-Bromophenyl-phenylether	10.616	248	13491	4.043	ng	# 1
71) Phenanthrene	11.339	178	736733	46.700	ng	98
72) Anthracene	11.386	178	147644	9.292	ng	97
73) Carbazole	11.551	167	344182	24.473	ng	100
75) Fluoranthene	12.527	202	59148	3.578	ng	98
77) Benzidine	12.627	184	1306	Below Cal		# 1
78) Pyrene	12.757	202	81405	3.877	ng	97

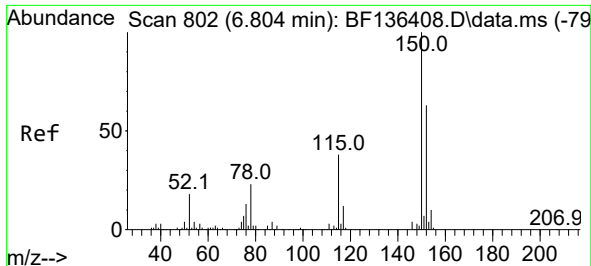
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121423\
Data File : BF136574.D
Acq On : 14 Dec 2023 18:17
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

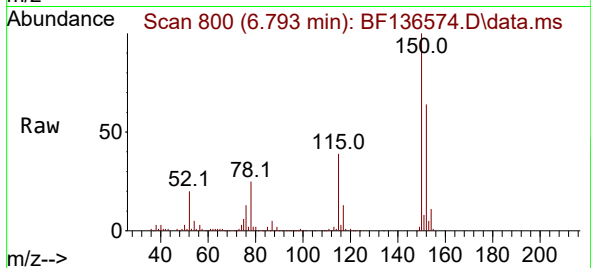
Quant Time: Dec 15 00:35:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
Response via : Initial Calibration



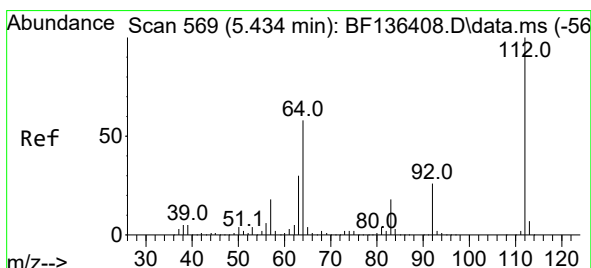
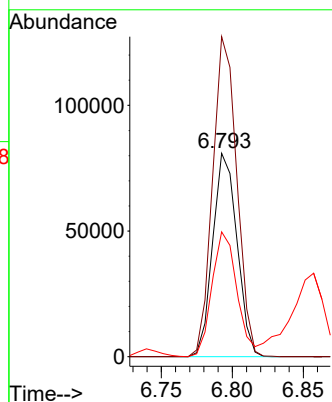
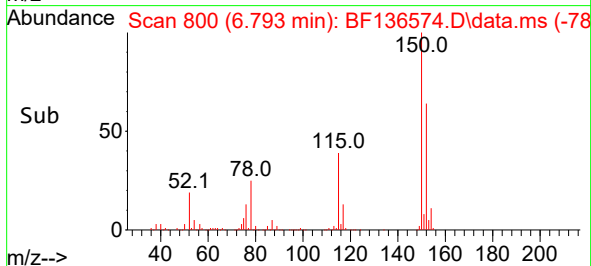


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

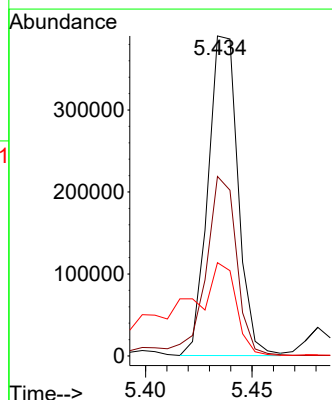
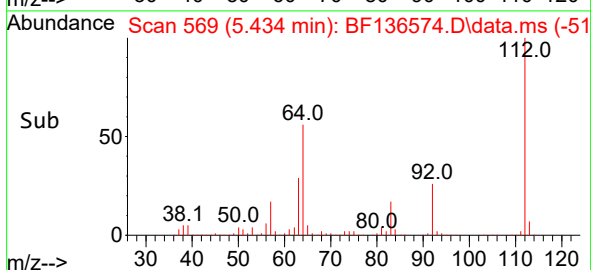
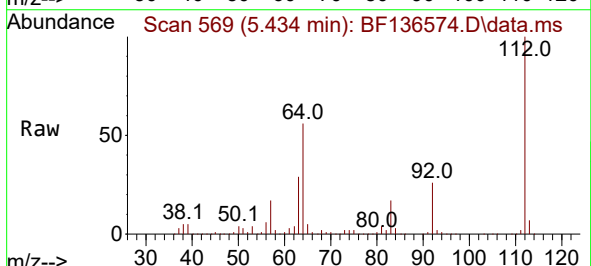


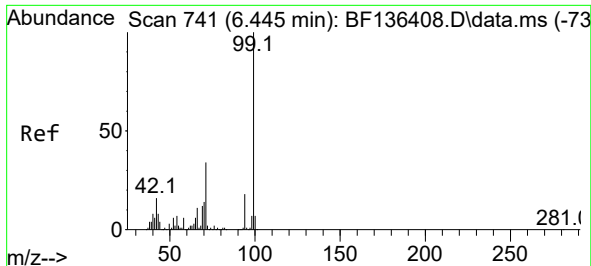
Tgt Ion:152 Resp: 96162
Ion Ratio Lower Upper
152 100
150 157.3 126.4 189.6
115 61.4 48.2 72.4



#5
2-Fluorophenol
Concen: 58.817 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion:112 Resp: 382980
Ion Ratio Lower Upper
112 100
64 56.1 46.5 69.7
63 29.2 23.9 35.9

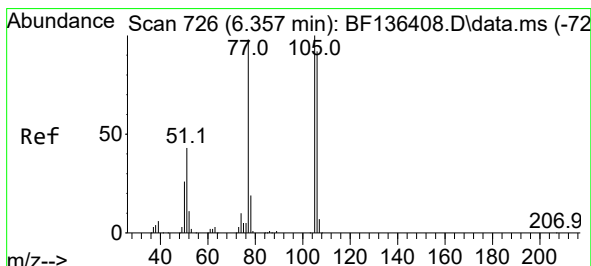
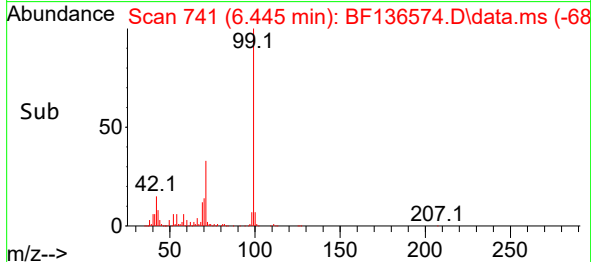
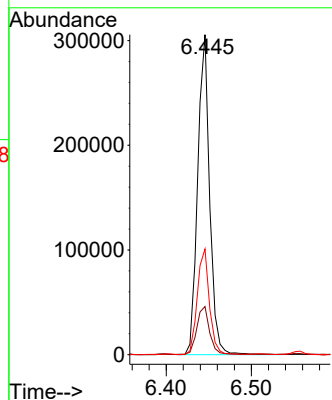
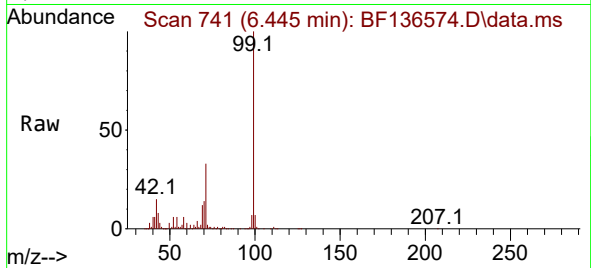




#7
Phenol-d6
Concen: 36.694 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

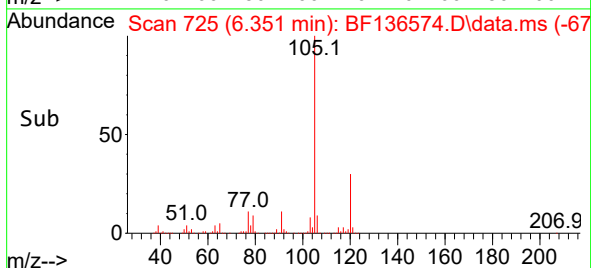
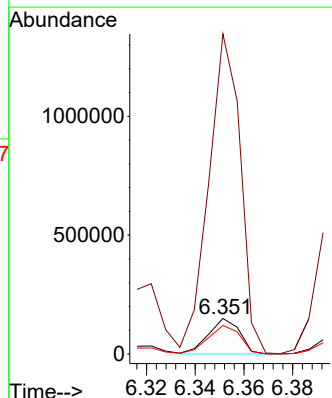
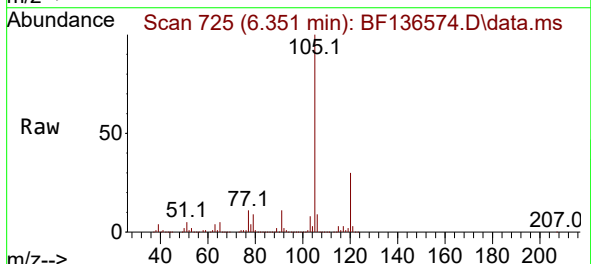
Instrument :
BNA_F
ClientSampleId :

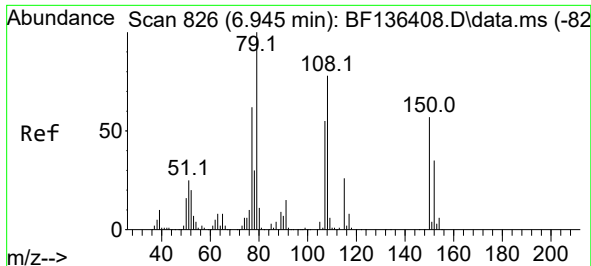
Tgt Ion: 99 Resp: 298103
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 33.1 27.0 40.4



#9
Benzaldehyde
Concen: 30.752 ng
RT: 6.351 min Scan# 725
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion: 77 Resp: 133338
Ion Ratio Lower Upper
77 100
105 902.6 82.5 122.5#
106 80.3 74.5 114.5

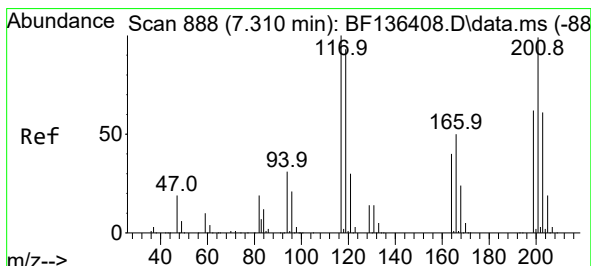
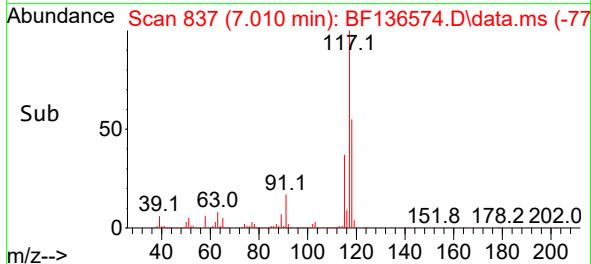
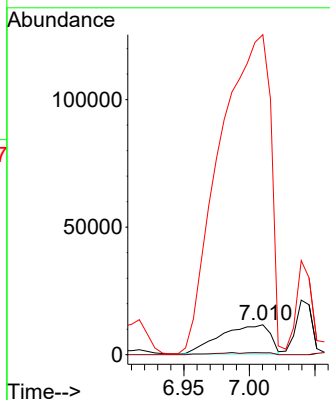
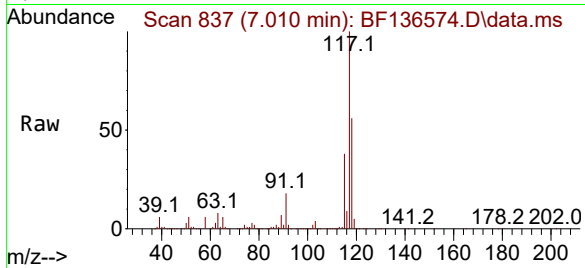




#15
Benzyl Alcohol
Concen: 5.532 ng
RT: 7.010 min Scan# 81
Delta R.T. 0.076 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

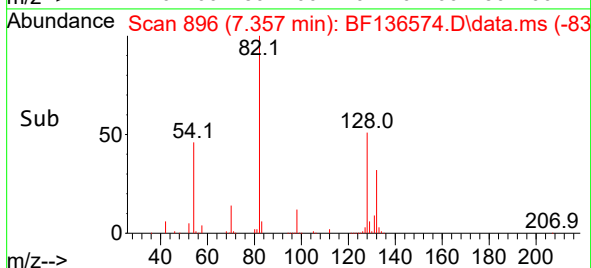
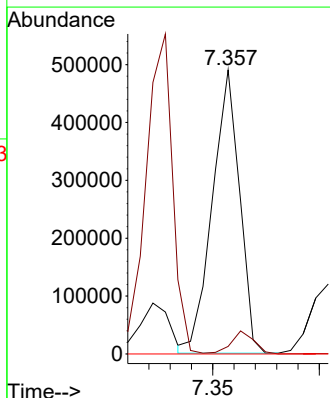
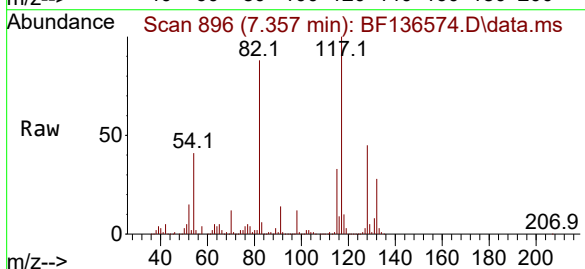
Instrument :
BNA_F
ClientSampleId :

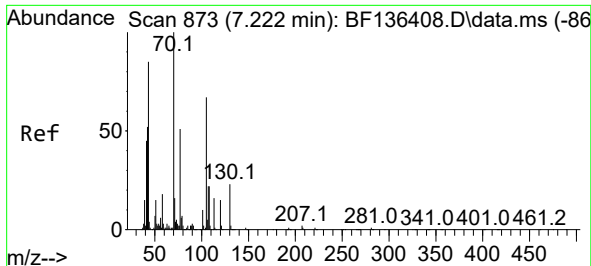
Tgt Ion: 79 Resp: 30092
Ion Ratio Lower Upper
79 100
108 6.4 62.3 93.5#
77 1071.8 49.8 74.8#



#18
Hexachloroethane
Concen: 153.004 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.059 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion: 117 Resp: 433197
Ion Ratio Lower Upper
117 100
119 2.6 74.3 111.5#
201 0.0 79.3 118.9#





#19

n-Nitroso-di-n-propylamine

Concen: 15.640 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.153 min

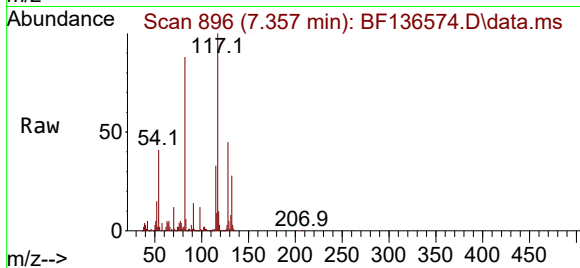
Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 70 Resp: 73293

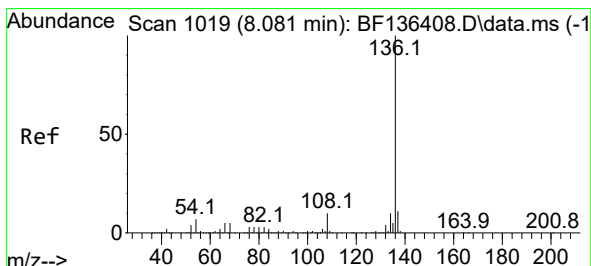
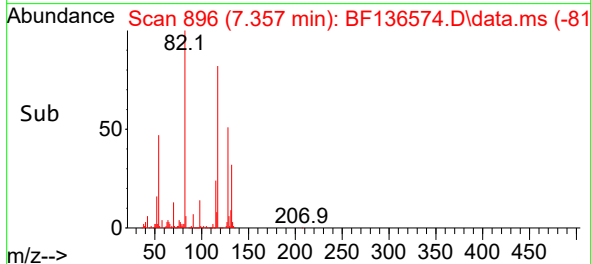
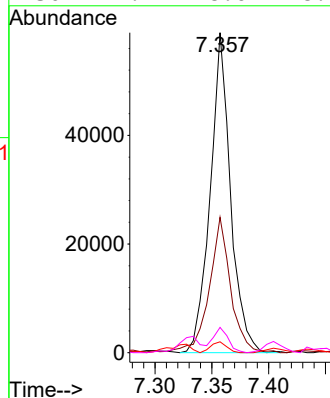
Ion Ratio Lower Upper

70 100

42 42.3 41.4 62.0

101 3.4 8.2 12.4#

130 7.9 18.6 28.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. 0.029 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Tgt Ion:136 Resp: 162032

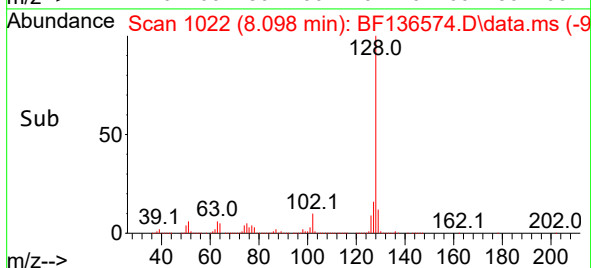
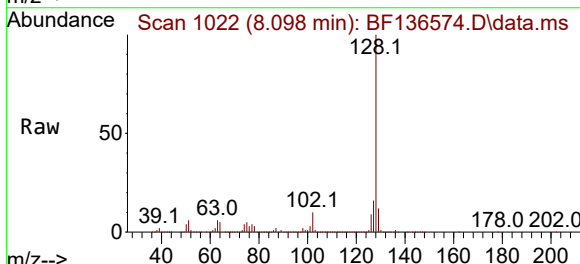
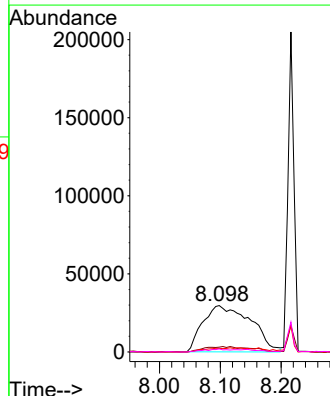
Ion Ratio Lower Upper

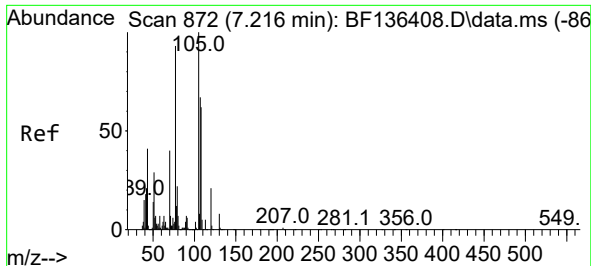
136 100

137 10.5 8.6 12.8

54 7.7 5.7 8.5

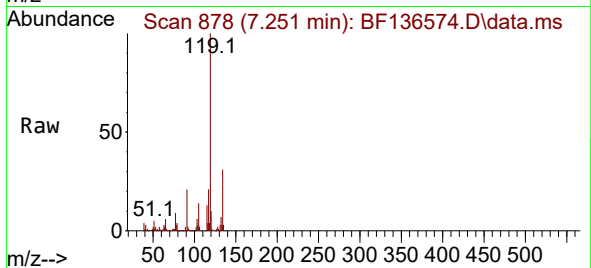
68 6.4 4.0 6.0#



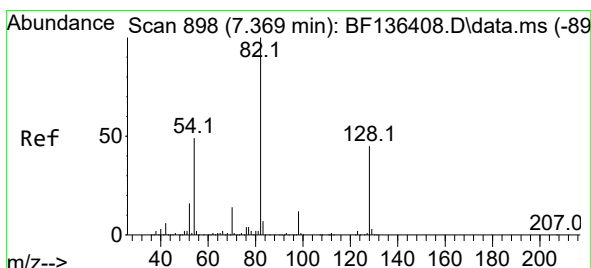
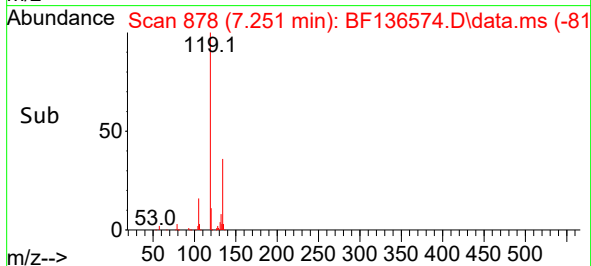
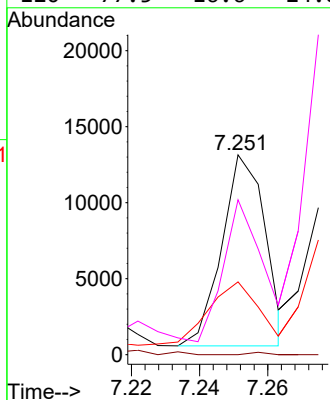


#22
Acetophenone
Concen: 2.786 ng
RT: 7.251 min Scan# 811
Delta R.T. 0.053 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

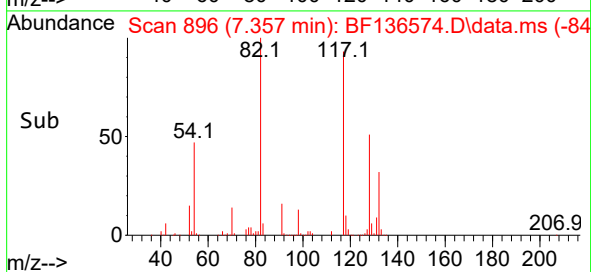
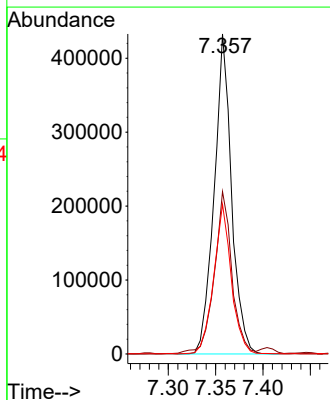
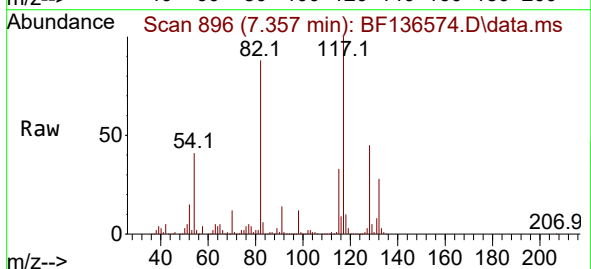


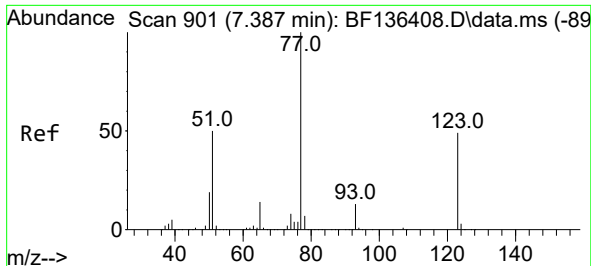
Tgt Ion:105 Resp: 11148
Ion Ratio Lower Upper
105 100
71 0.0 5.4 8.0#
51 36.5 23.4 35.2#
120 77.5 16.6 24.8#



#23
Nitrobenzene-d5
Concen: 184.445 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion: 82 Resp: 552826
Ion Ratio Lower Upper
82 100
128 50.8 36.3 54.5
54 46.8 39.0 58.6

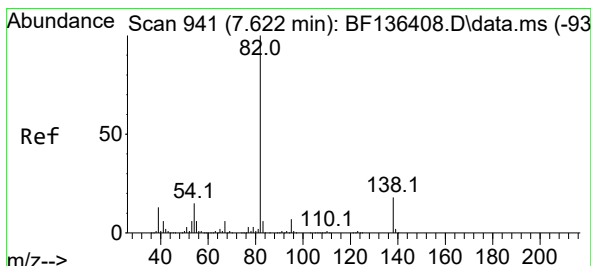
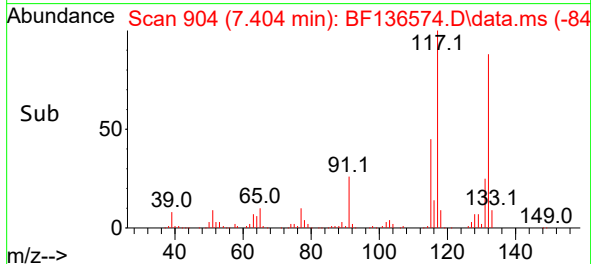
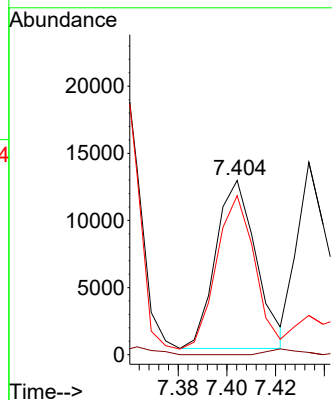
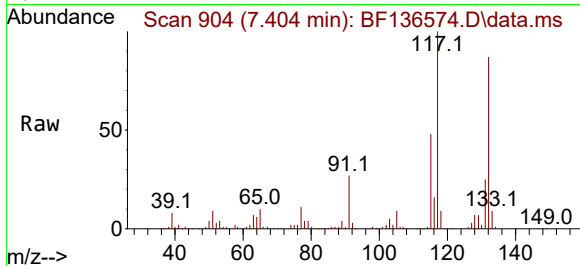




#24
Nitrobenzene
Concen: 4.808 ng
RT: 7.404 min Scan# 901
Delta R.T. 0.029 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

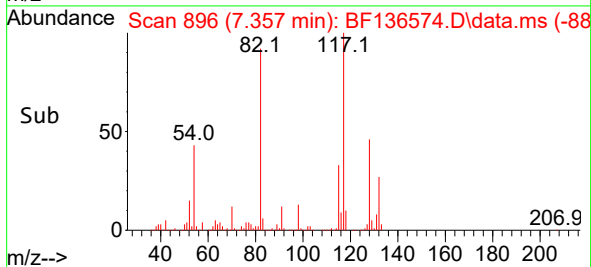
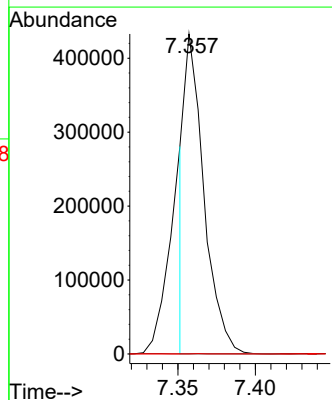
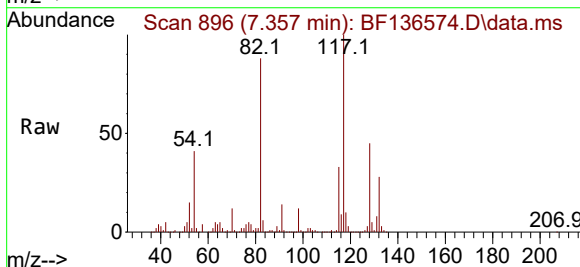
Instrument :
BNA_F
ClientSampleId :

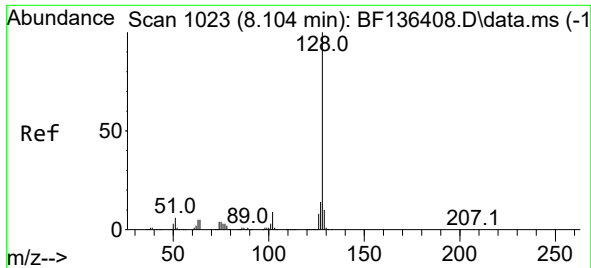
Tgt Ion: 77 Resp: 14498
Ion Ratio Lower Upper
77 100
123 0.0 39.0 58.6#
65 91.3 11.3 16.9#



#25
Isophorone
Concen: 67.707 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.253 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion: 82 Resp: 364593
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.5 21.7#

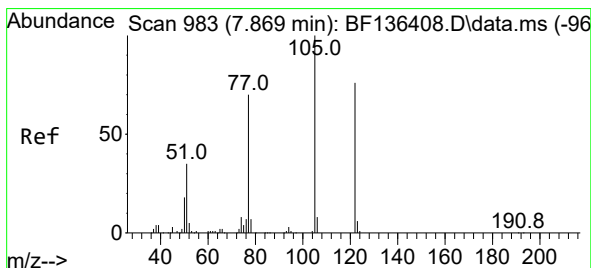
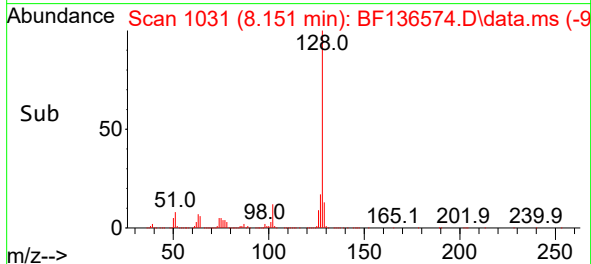
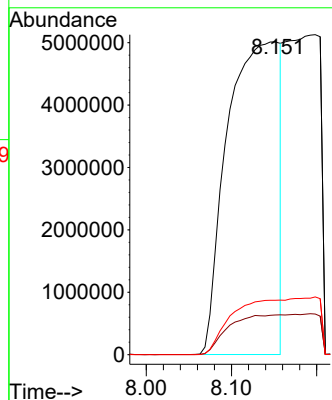
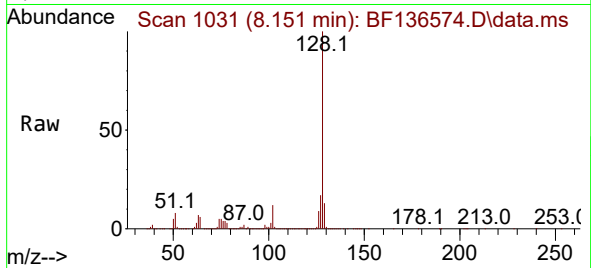




#31
Naphthalene
Concen: 2386.335 ng
RT: 8.151 min Scan# 1023
Delta R.T. 0.059 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

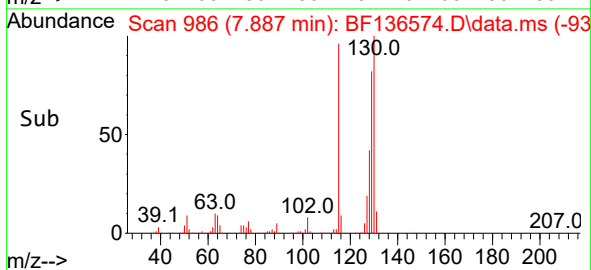
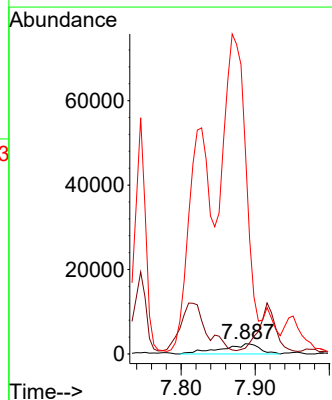
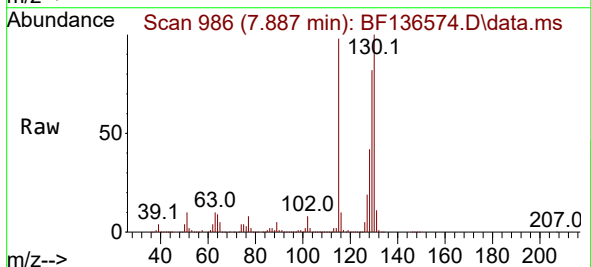
Instrument :
BNA_F
ClientSampleId :

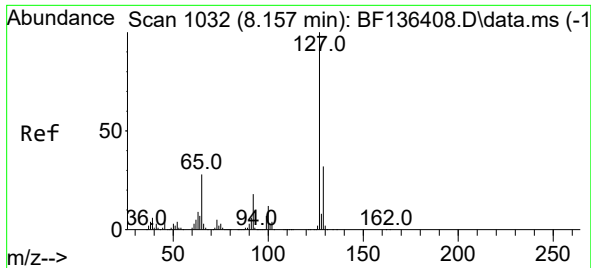
Tgt Ion:128 Resp:21322887
Ion Ratio Lower Upper
128 100
129 12.7 8.3 12.5#
127 17.4 11.1 16.7#



#32
Benzoic acid
Concen: 4.764 ng
RT: 7.887 min Scan# 986
Delta R.T. 0.029 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

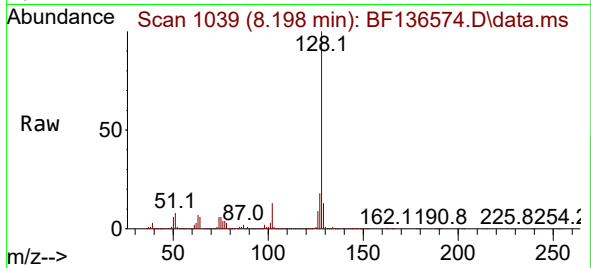
Tgt Ion:122 Resp: 8638
Ion Ratio Lower Upper
122 100
105 56.9 104.7 144.7#
77 2001.5 68.5 108.5#



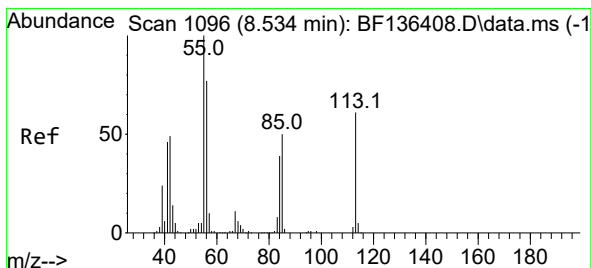
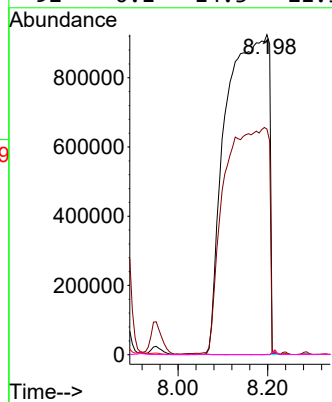
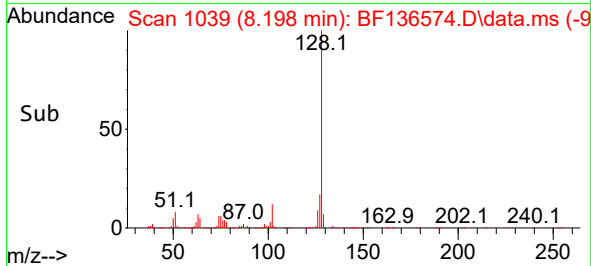


#33
4-Chloroaniline
Concen: 1912.161 ng
RT: 8.198 min Scan# 1144
Delta R.T. 0.059 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

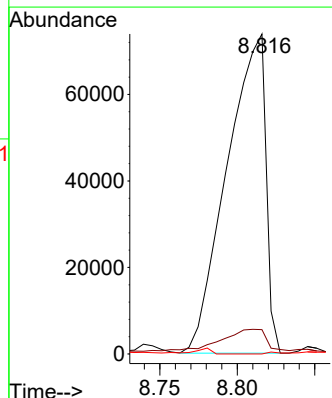
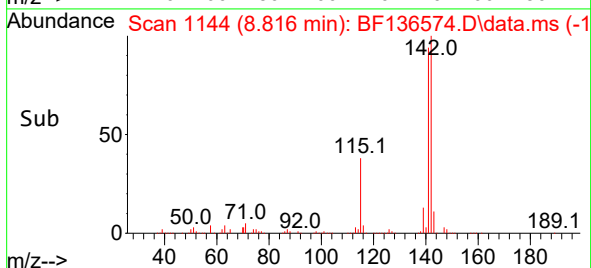
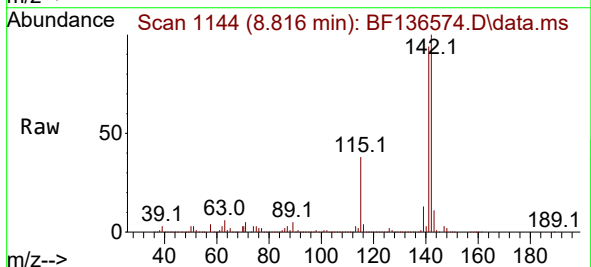


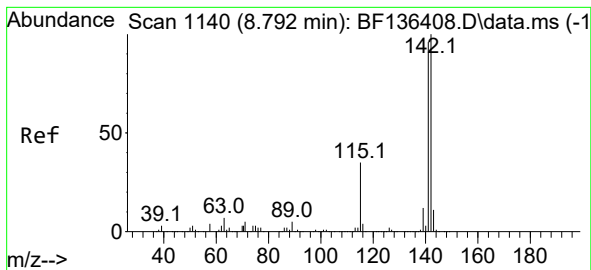
Tgt Ion:127 Resp: 6091289
Ion Ratio Lower Upper
127 100
129 70.5 25.4 38.2#
65 0.0 22.5 33.7#
92 0.1 14.3 21.5#



#35
Caprolactam
Concen: 172.804 ng
RT: 8.816 min Scan# 1144
Delta R.T. 0.294 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion:113 Resp: 128385
Ion Ratio Lower Upper
113 100
55 7.6 143.7 183.7#
56 0.0 105.2 145.2#





#37

2-Methylnaphthalene

Concen: 940.353 ng

RT: 8.816 min Scan# 1144

Delta R.T. 0.035 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

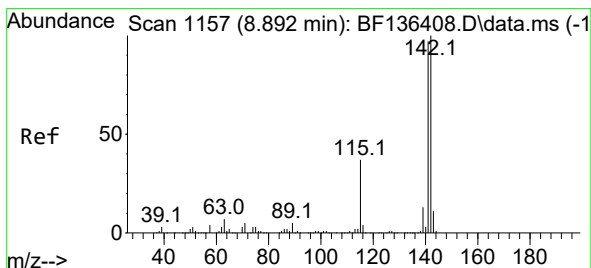
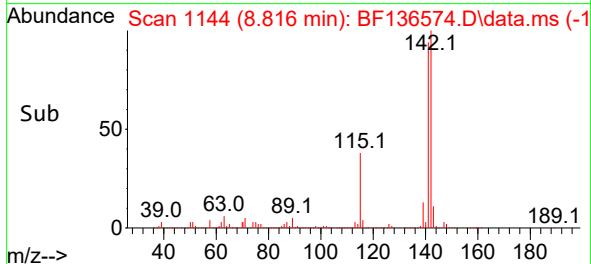
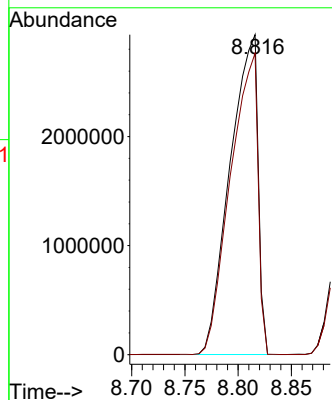
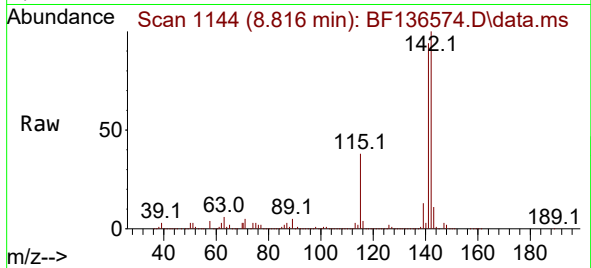
ClientSampleId :

Tgt Ion:142 Resp: 5345554

Ion Ratio Lower Upper

142 100

141 94.2 76.4 114.6



#38

1-Methylnaphthalene

Concen: 719.141 ng

RT: 8.910 min Scan# 1160

Delta R.T. 0.029 min

Lab File: BF136574.D

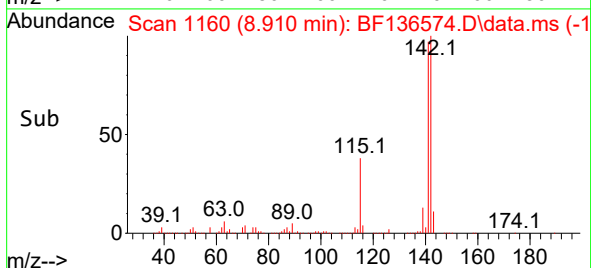
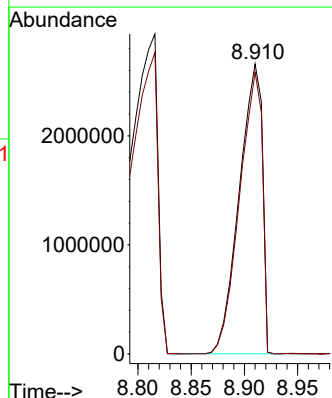
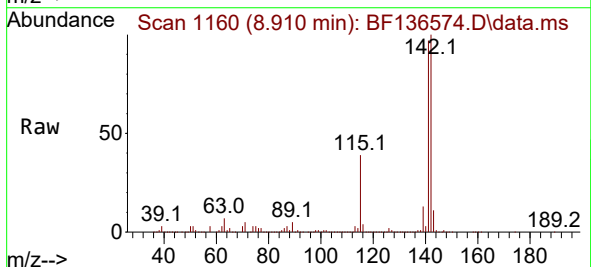
Acq: 14 Dec 2023 18:17

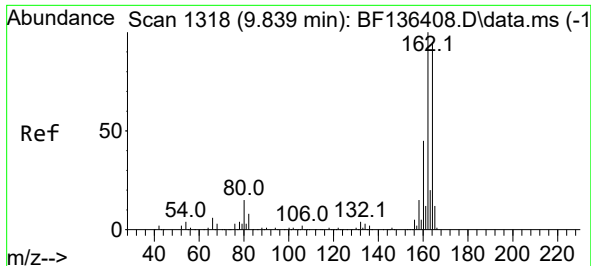
Tgt Ion:142 Resp: 4011508

Ion Ratio Lower Upper

142 100

141 97.1 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

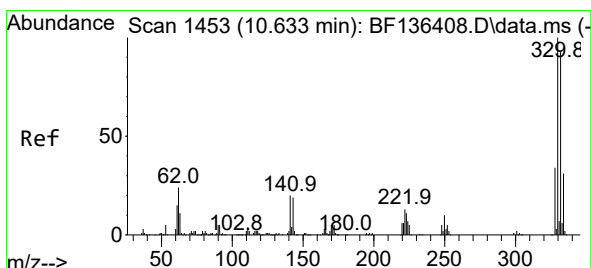
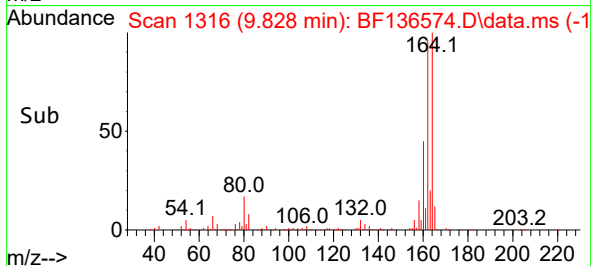
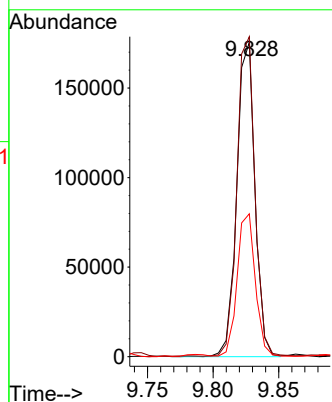
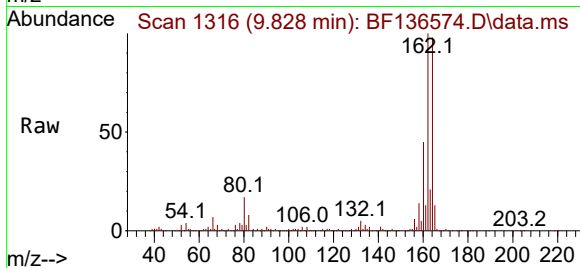
Tgt Ion:164 Resp: 169458

Ion Ratio Lower Upper

164 100

162 101.8 84.4 126.6

160 45.5 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 107.516 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

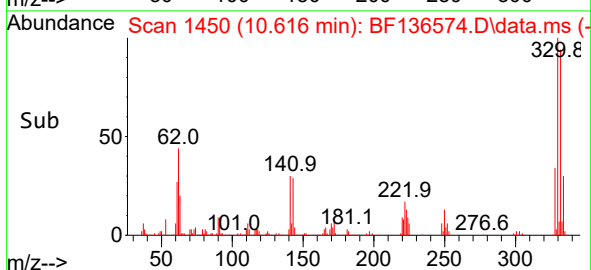
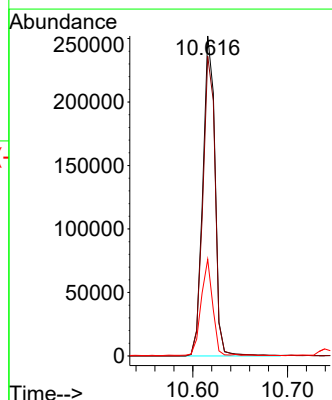
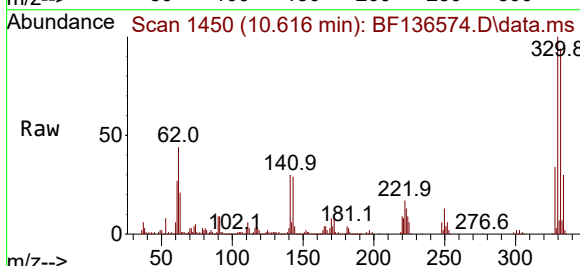
Tgt Ion:330 Resp: 224647

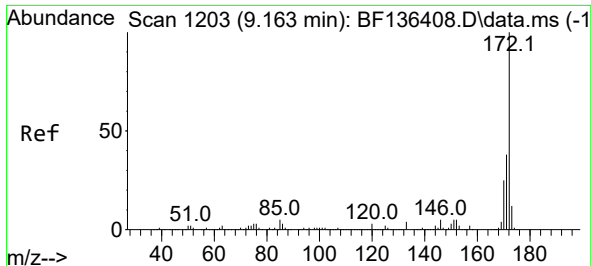
Ion Ratio Lower Upper

330 100

332 95.5 76.4 114.6

141 29.0 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 87.290 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.006 min

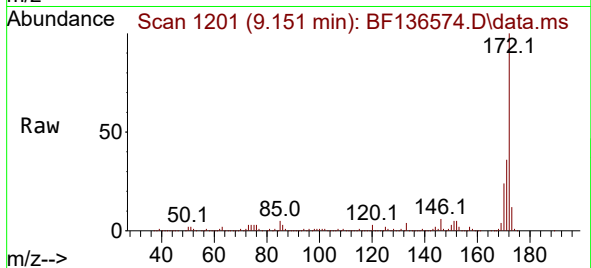
Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :



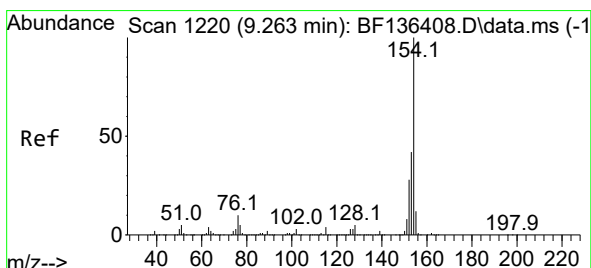
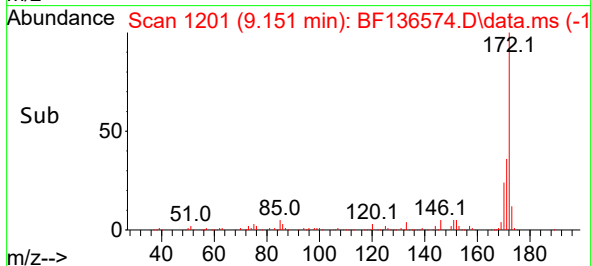
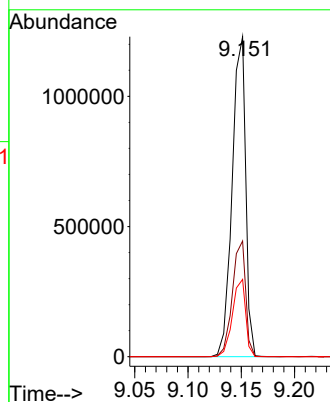
Tgt Ion:172 Resp: 1084061

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

170 24.2 19.9 29.9



#46

1,1'-Biphenyl

Concen: 50.430 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.006 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

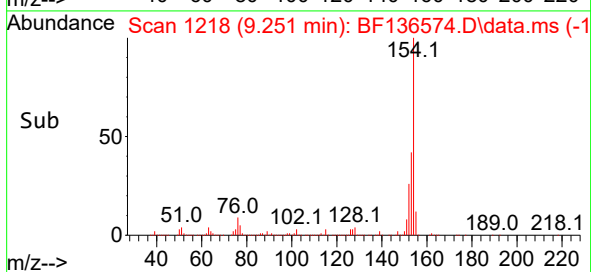
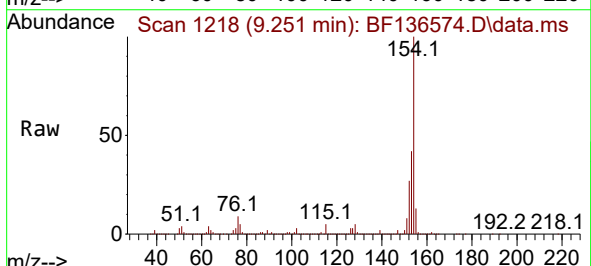
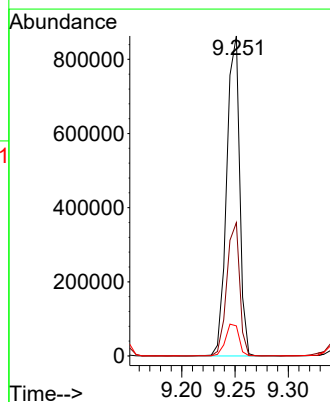
Tgt Ion:154 Resp: 727150

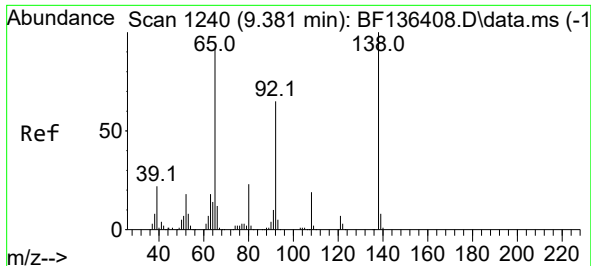
Ion Ratio Lower Upper

154 100

153 41.6 22.5 62.5

76 9.4 0.0 29.9





#48

2-Nitroaniline

Concen: 2.356 ng

RT: 9.339 min Scan# 11

Delta R.T. -0.029 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

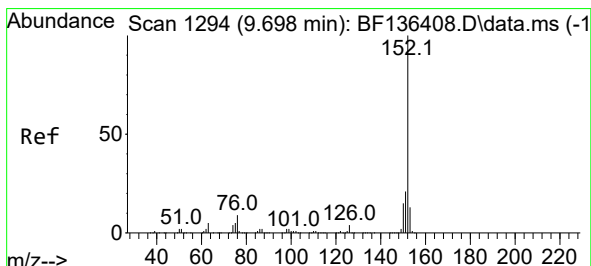
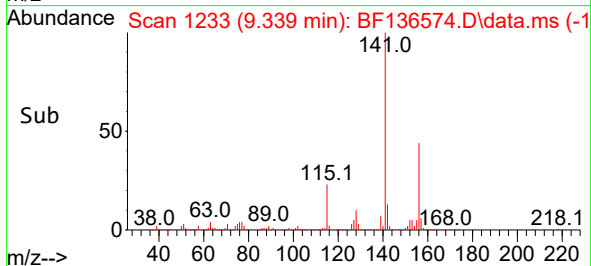
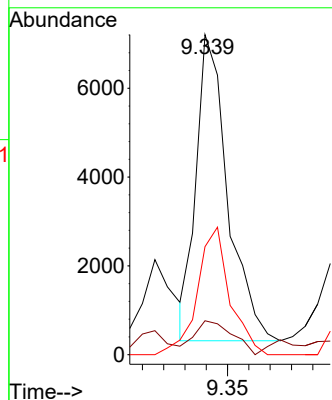
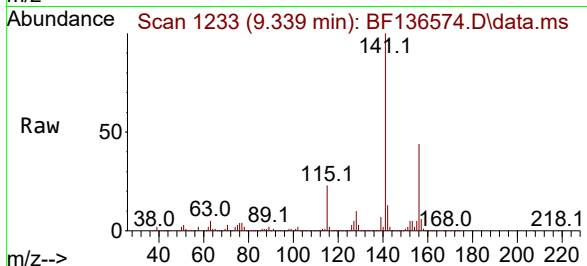
Tgt Ion: 65 Resp: 7091

Ion Ratio Lower Upper

65 100

92 10.6 56.1 84.1#

138 33.8 86.7 130.1#



#49

Acenaphthylene

Concen: 7.483 ng

RT: 9.686 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

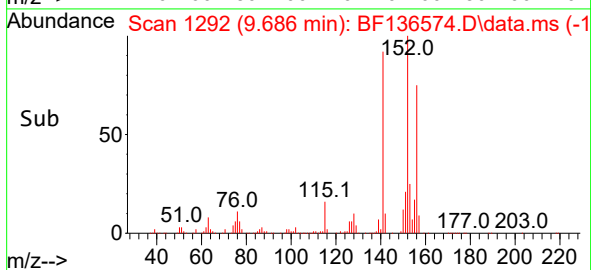
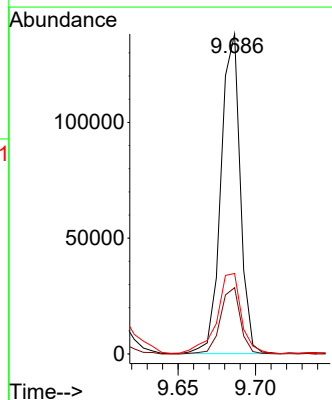
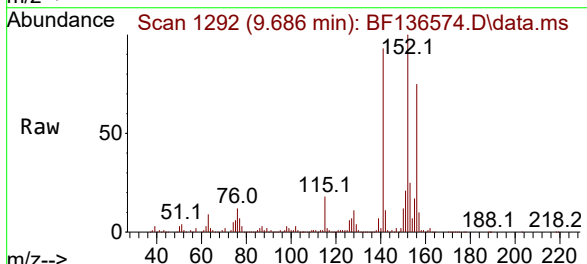
Tgt Ion:152 Resp: 119630

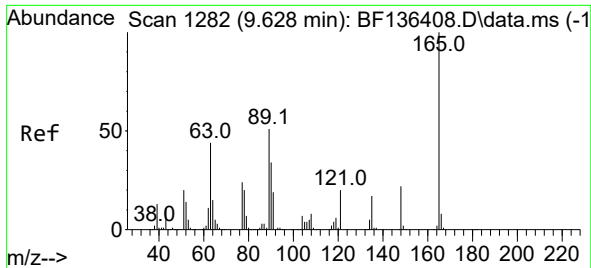
Ion Ratio Lower Upper

152 100

151 20.7 17.2 25.8

153 25.2 10.6 15.8#

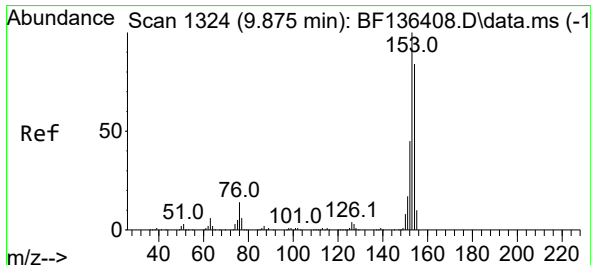
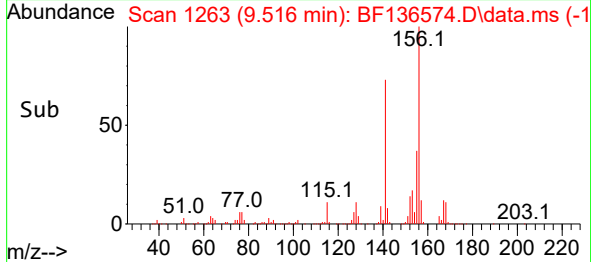
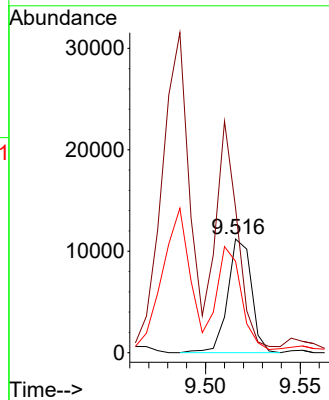
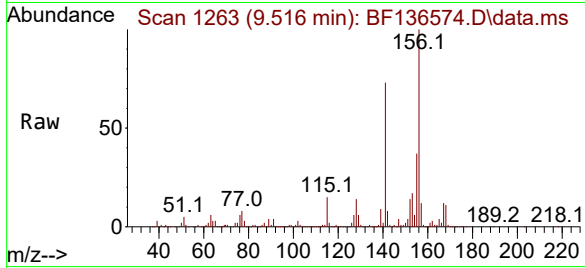




#51
2,6-Dinitrotoluene
Concen: 3.477 ng
RT: 9.516 min Scan# 1263
Delta R.T. -0.100 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

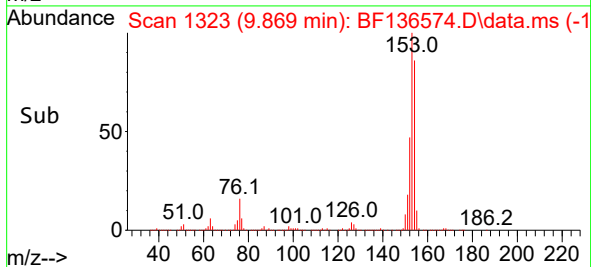
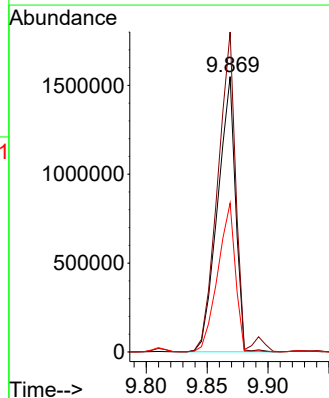
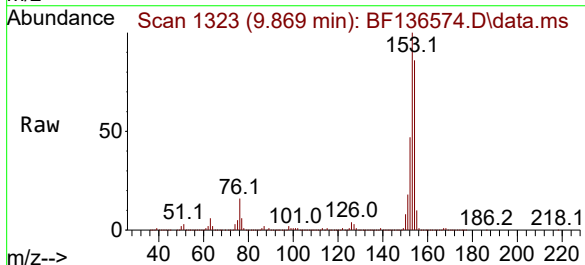
Instrument :
BNA_F
ClientSampleId :

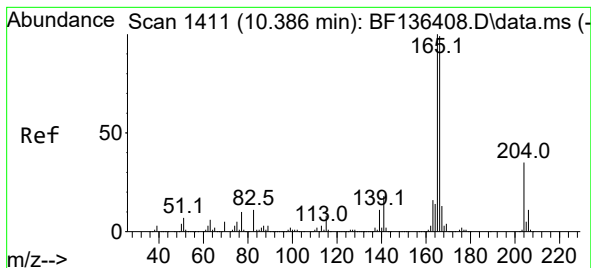
Tgt Ion:165 Resp: 9760
Ion Ratio Lower Upper
165 100
63 127.3 40.4 60.6#
89 80.4 40.6 60.8#



#52
Acenaphthene
Concen: 154.470 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion:154 Resp: 1582496
Ion Ratio Lower Upper
154 100
153 116.2 95.3 142.9
152 54.1 43.2 64.8





#58

Fluorene

Concen: 41.137 ng

RT: 10.375 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

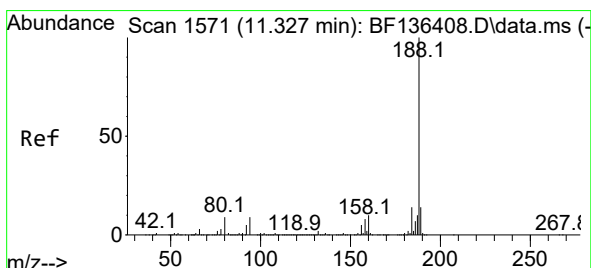
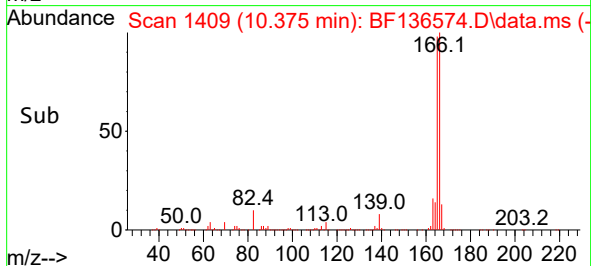
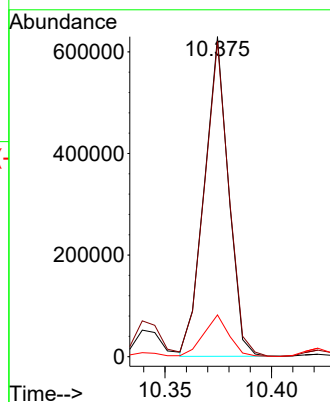
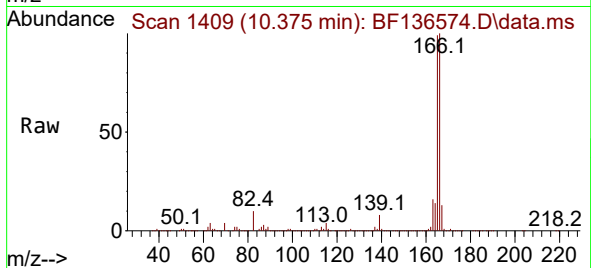
Tgt Ion:166 Resp: 494214

Ion Ratio Lower Upper

166 100

165 98.5 80.5 120.7

167 13.1 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1569

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

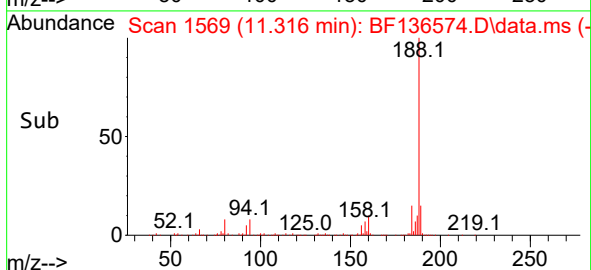
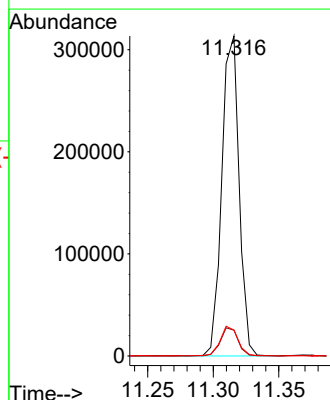
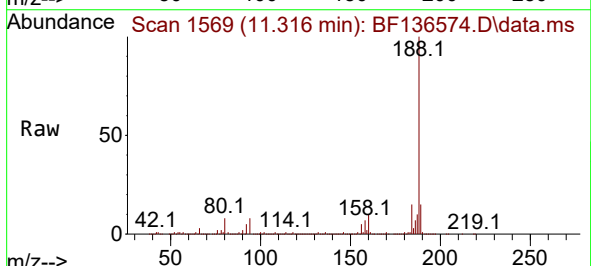
Tgt Ion:188 Resp: 287019

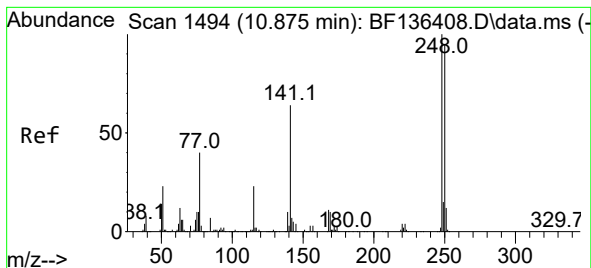
Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

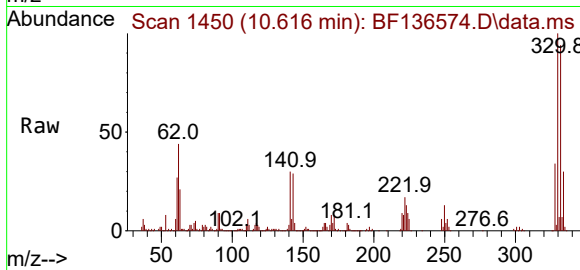
80 8.1 7.2 10.8



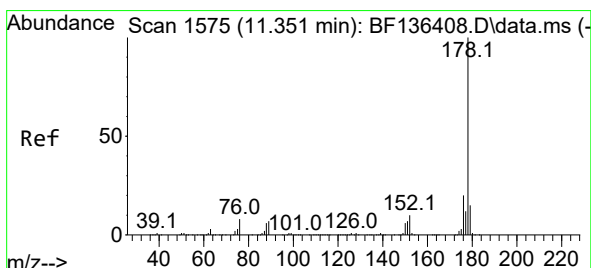
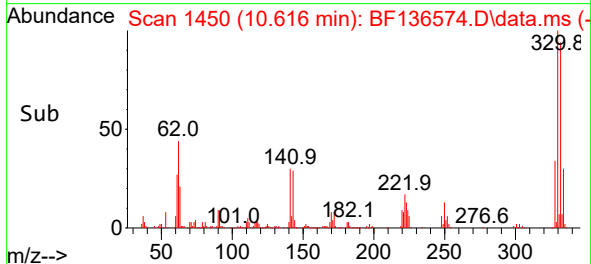
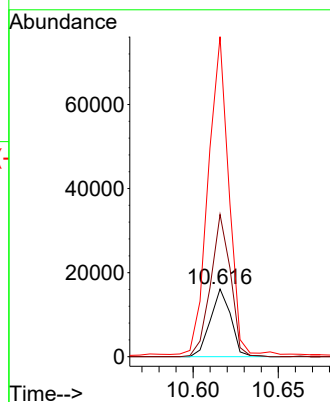


#67
4-Bromophenyl-phenylether
Concen: 4.043 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :

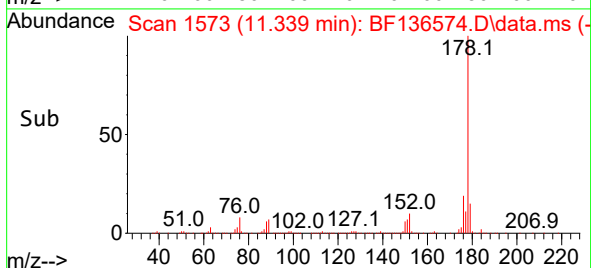
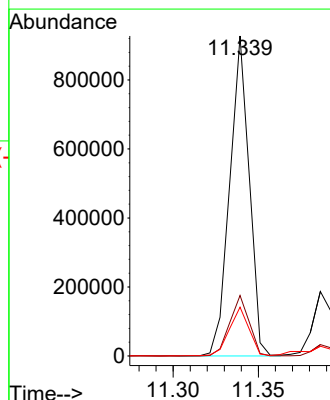
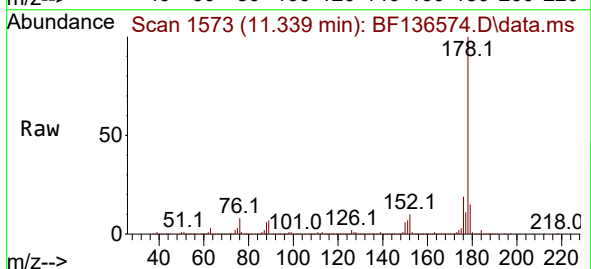


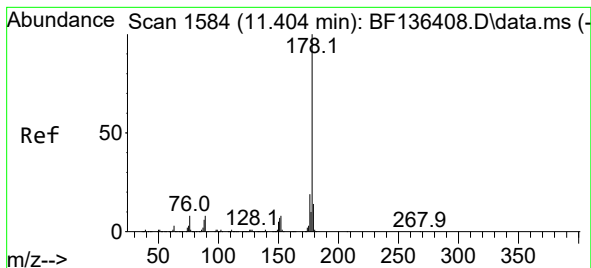
Tgt Ion:248 Resp: 13491
Ion Ratio Lower Upper
248 100
250 210.0 76.2 114.2#
141 472.7 51.0 76.4#



#71
Phenanthrene
Concen: 46.700 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Tgt Ion:178 Resp: 736733
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.2 11.8 17.6





#72

Anthracene

Concen: 9.292 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

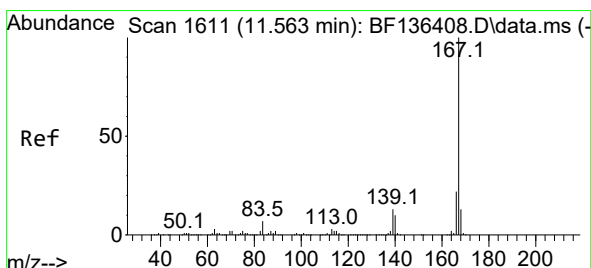
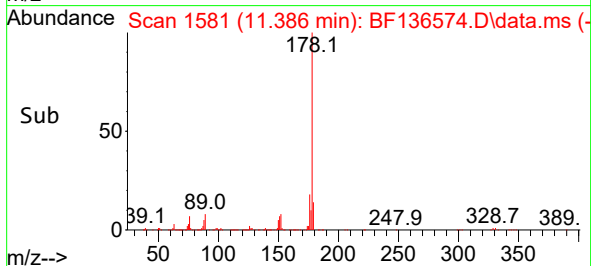
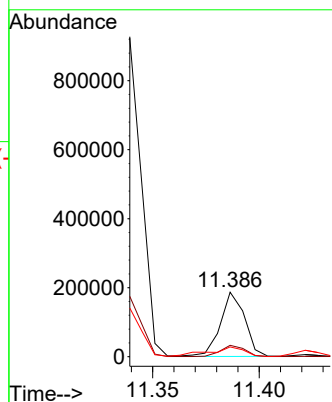
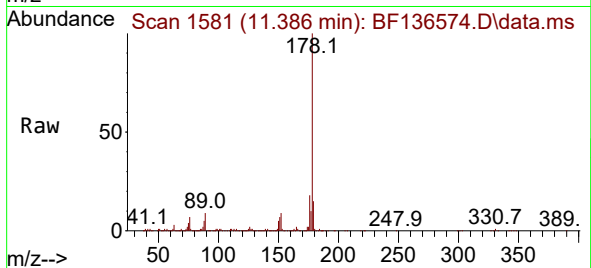
Tgt Ion:178 Resp: 147644

Ion Ratio Lower Upper

178 100

176 17.6 15.3 22.9

179 15.2 11.4 17.0



#73

Carbazole

Concen: 24.473 ng

RT: 11.551 min Scan# 1609

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

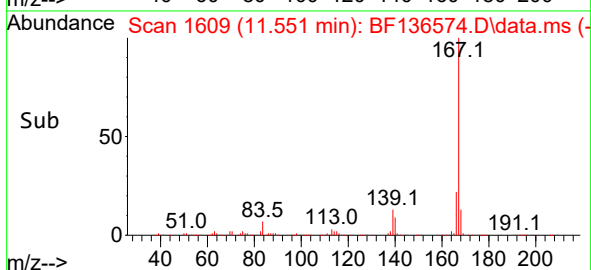
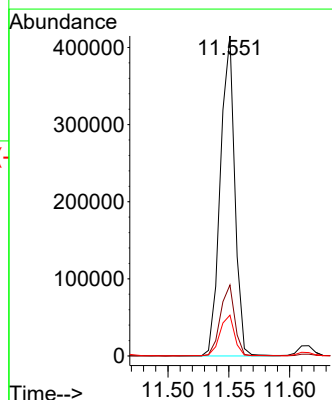
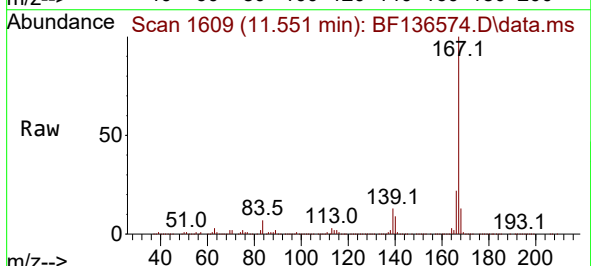
Tgt Ion:167 Resp: 344182

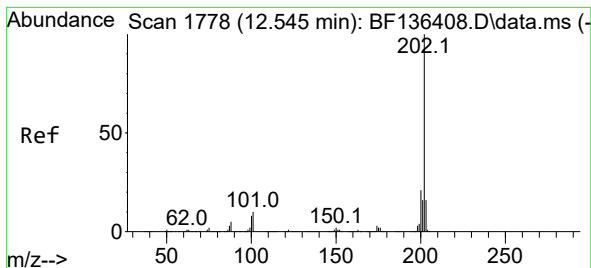
Ion Ratio Lower Upper

167 100

166 22.2 18.0 27.0

139 12.7 10.2 15.4





#75

Fluoranthene

Concen: 3.578 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

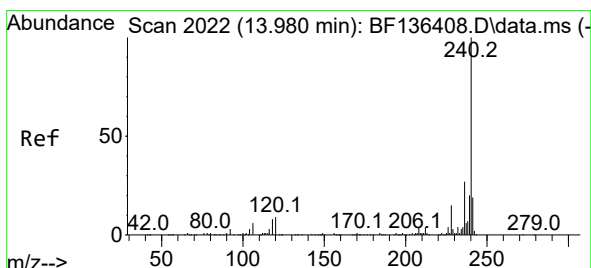
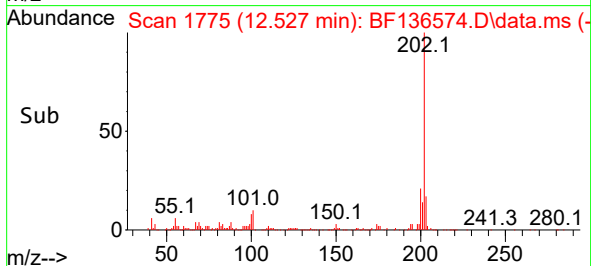
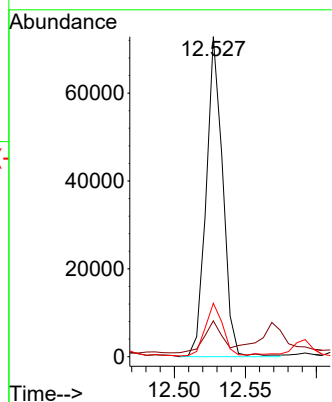
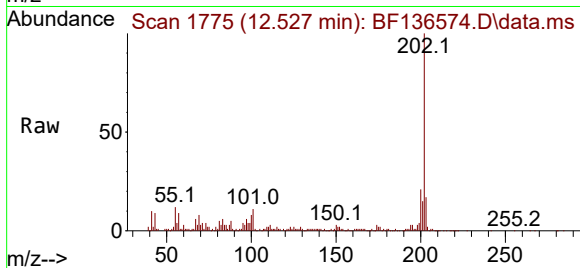
Tgt Ion:202 Resp: 59148

Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.9

203 16.7 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

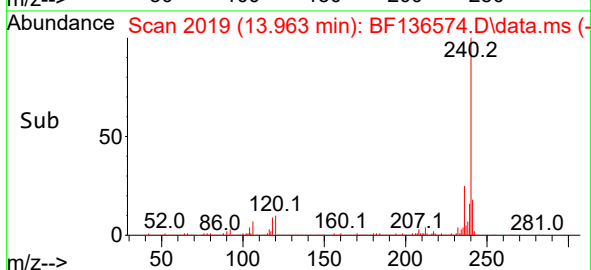
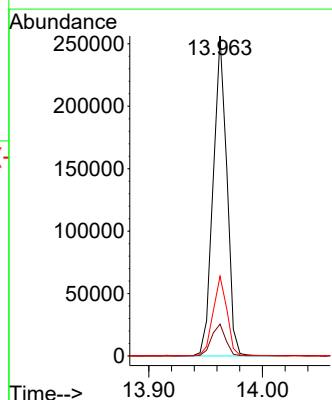
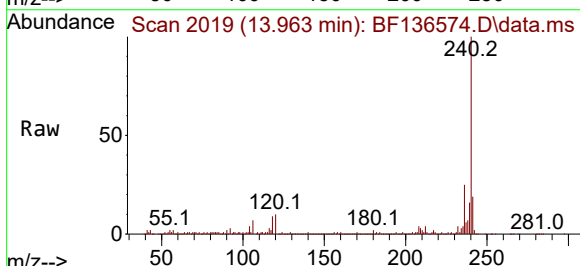
Tgt Ion:240 Resp: 214420

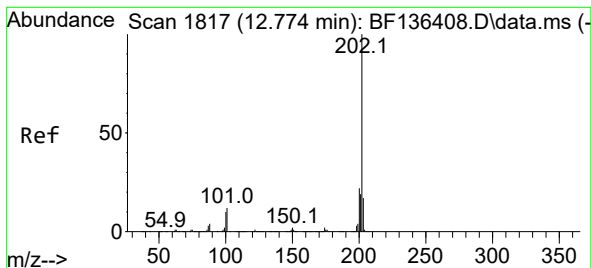
Ion Ratio Lower Upper

240 100

120 10.0 7.3 10.9

236 24.9 21.3 31.9





#78

Pyrene

Concen: 3.877 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

Instrument :

BNA_F

ClientSampleId :

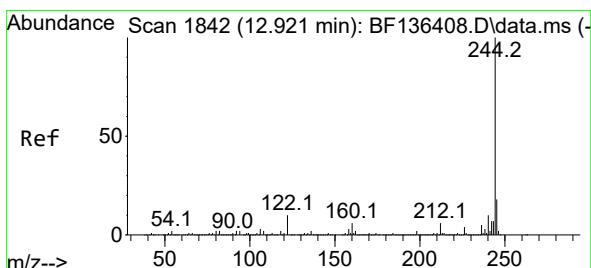
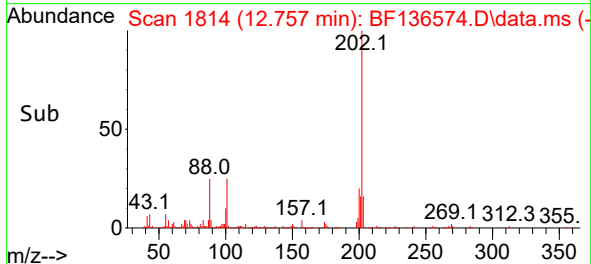
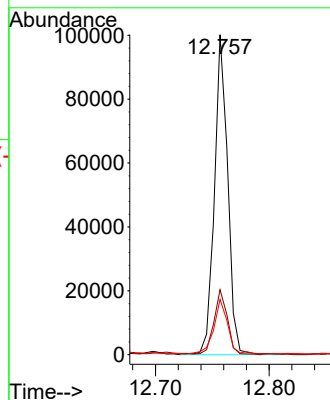
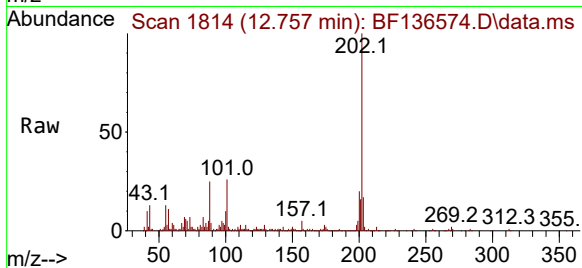
Tgt Ion:202 Resp: 81405

Ion Ratio Lower Upper

202 100

200 20.3 18.0 27.0

203 17.3 13.5 20.3



#79

Terphenyl-d14

Concen: 66.620 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF136574.D

Acq: 14 Dec 2023 18:17

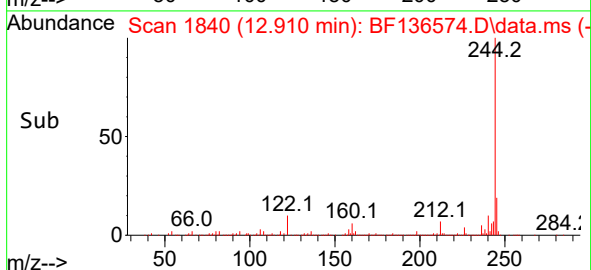
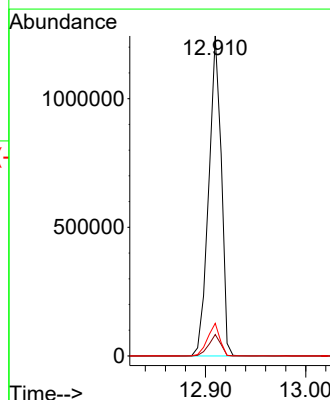
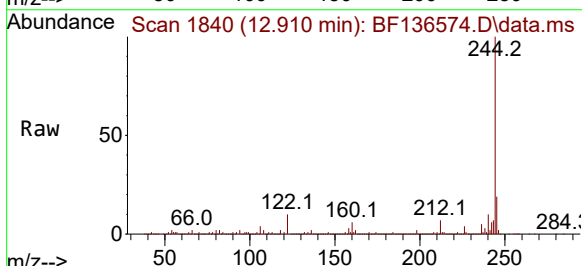
Tgt Ion:244 Resp: 1083781

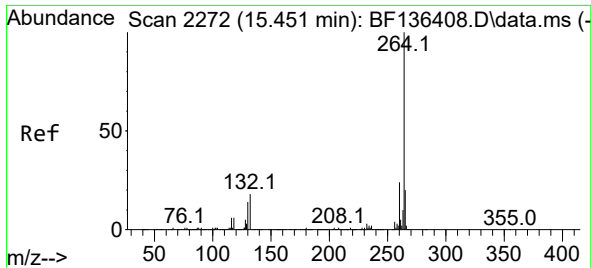
Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

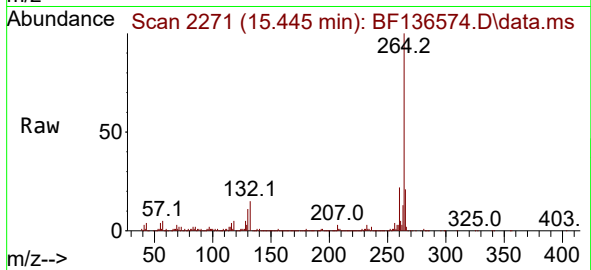
122 10.2 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136574.D
Acq: 14 Dec 2023 18:17

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:	264	Resp:	242620
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.2	15.9	23.9

