

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101603.D
 Acq On : 21 Dec 2017 13:35
 Operator : SJ/JU
 Sample : I6681-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-A

Quant Time: Dec 21 14:55:05 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	148481	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	557898	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	211277	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	315898	20.00	ng	0.00
75) Chrysene-d12	13.99	240	221685	20.00	ng	0.02
86) Perylene-d12	15.46	264	313763	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1027143	103.04	ng	0.01
7) Phenol-d6	6.44	99	1189683	95.90	ng	0.00
23) Nitrobenzene-d5	7.36	82	771497	76.98	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	170438	83.72	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1059655	77.80	ng	0.00
78) Terphenyl-d14	12.91	244	753551	81.95	ng	0.00

Target Compounds

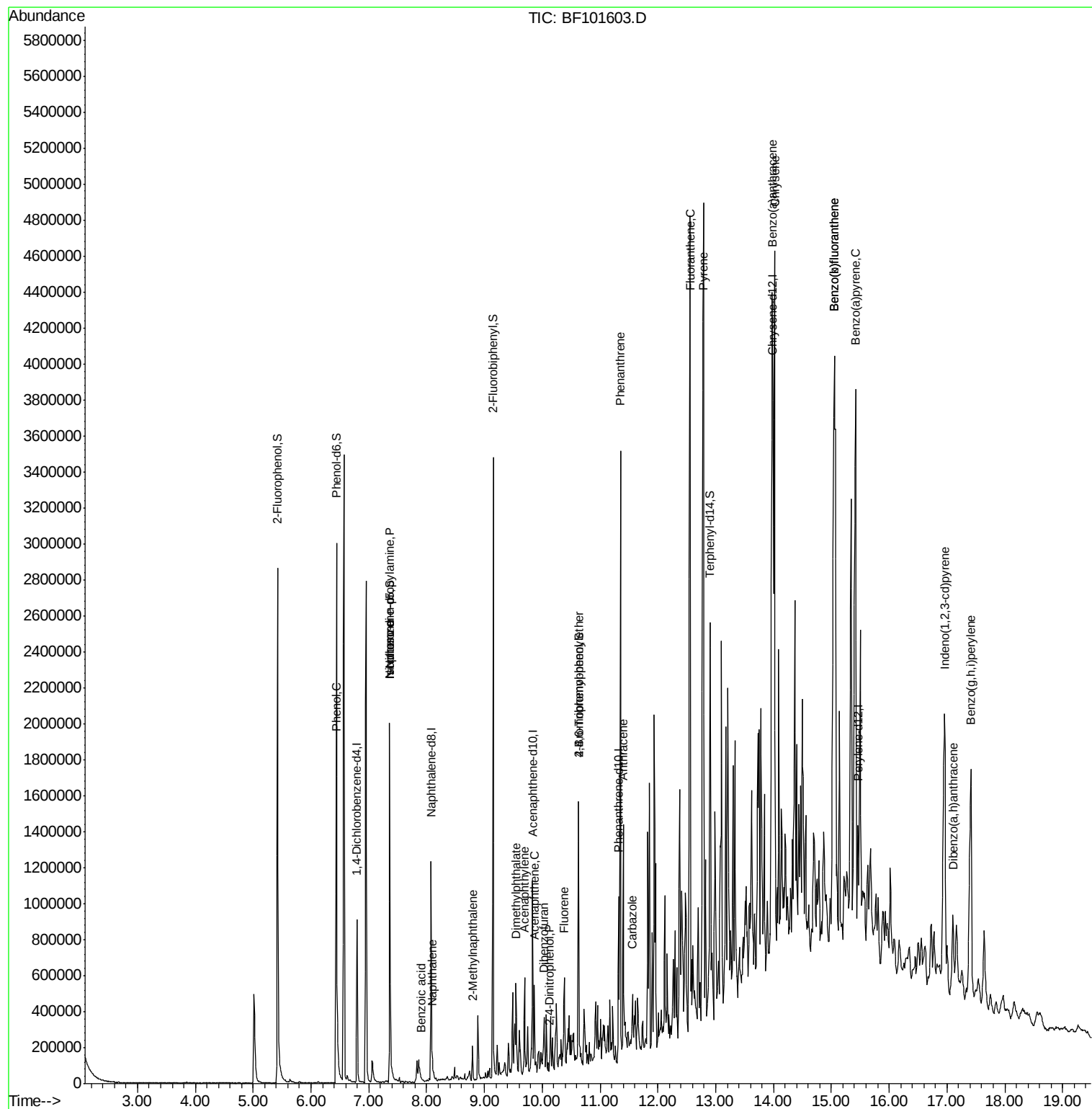
						Qvalue
10) Phenol	6.45	94	41496	2.935	ng	82
19) n-Nitroso-di-n-propylamine	7.36	70	103767	12.737	ng	# 82
25) Isophorone	7.36	82	771497	38.373	ng	# 64
31) Naphthalene	8.10	128	59015	2.101	ng	98
32) Benzoic acid	7.91	122	930	8.103	ng	# 45
37) 2-Methylnaphthalene	8.79	142	51956	2.839	ng	99
48) Acenaphthylene	9.69	152	182737	8.070	ng	98
49) Dimethylphthalate	9.55	163	166212	9.780	ng	100
51) Acenaphthene	9.86	154	87733	6.449	ng	95
53) 2,4-Dinitrophenol	10.12	184	217	10.477	ng	# 57
54) Dibenzofuran	10.04	168	43125	2.494	ng	# 95
57) Fluorene	10.38	166	126915	8.677	ng	100
66) 4-Bromophenyl-phenylether	10.63	248	11021	3.105	ng	# 1
70) Phenanthrene	11.35	178	1299813	73.989	ng	98
71) Anthracene	11.40	178	540674	30.130	ng	99
72) Carbazole	11.56	167	80164	4.771	ng	96
74) Fluoranthene	12.56	202	2934060	159.117	ng	96
77) Pyrene	12.79	202	3031455	182.207	ng	98
80) Benzo(a)anthracene	13.98	228	2407300	164.453	ng	97
82) Chrysene	14.02	228	1917421	138.731	ng	96
85) Indeno(1,2,3-cd)pyrene	16.96	276	1446548	117.532	ng	# 88
87) Benzo(b)fluoranthene	15.05	252	4142040	216.582	ng	97
88) Benzo(k)fluoranthene	15.05	252	4142040	222.758	ng	97
89) Benzo(a)pyrene	15.42	252	2412027	136.813	ng	95
90) Dibenzo(a,h)anthracene	17.10	278	323760	21.389	ng	97
91) Benzo(g,h,i)perylene	17.42	276	1299956	86.729	ng	93

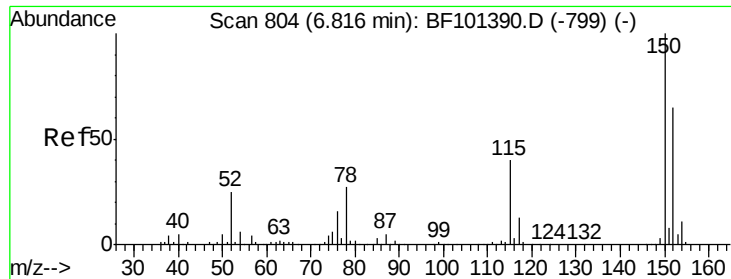
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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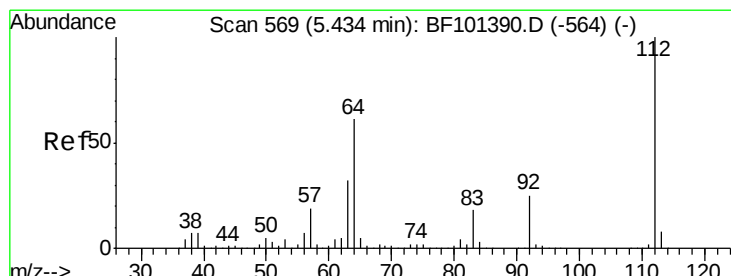
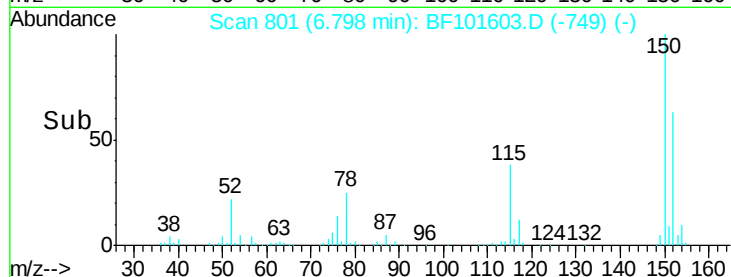
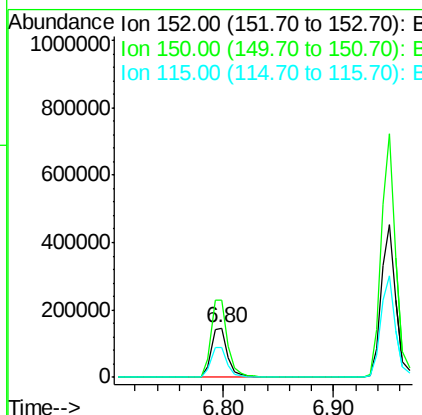
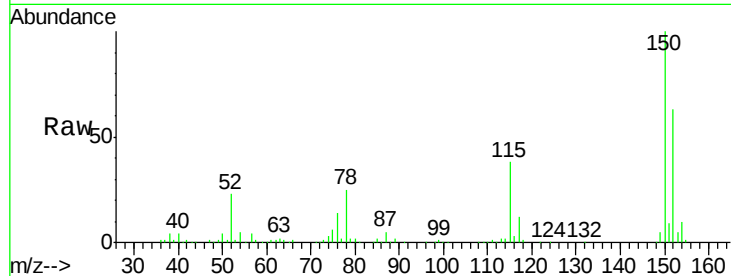




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF101603.D
 Acq: 21 Dec 2017 13:35

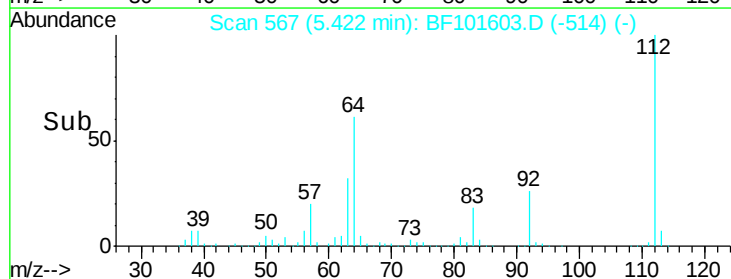
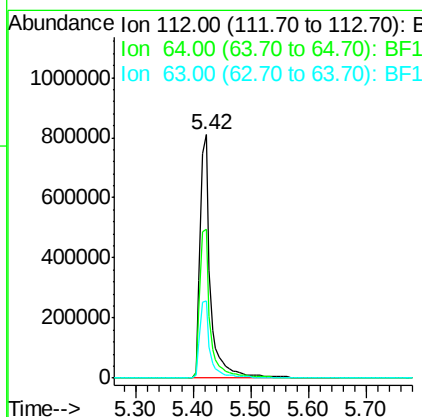
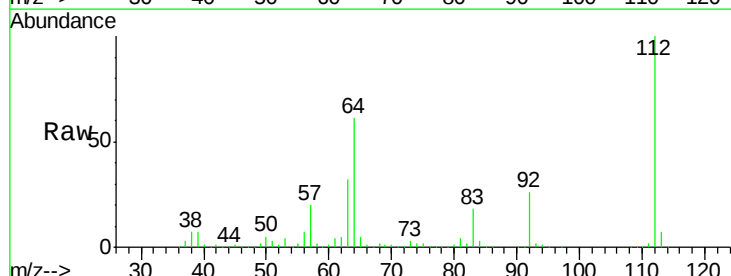
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-A

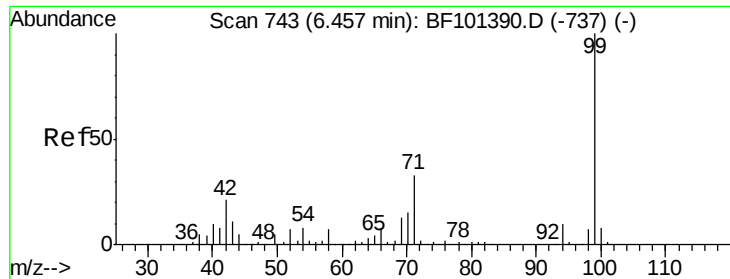
Tgt Ion:152 Resp: 148481
 Ion Ratio Lower Upper
 152 100
 150 158.5 124.6 186.8
 115 60.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 103.044 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF101603.D
 Acq: 21 Dec 2017 13:35

Tgt Ion:112 Resp: 1027143
 Ion Ratio Lower Upper
 112 100
 64 61.0 47.9 71.9
 63 31.6 23.7 35.5





#7

Phenol-d6

Concen: 95.899 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

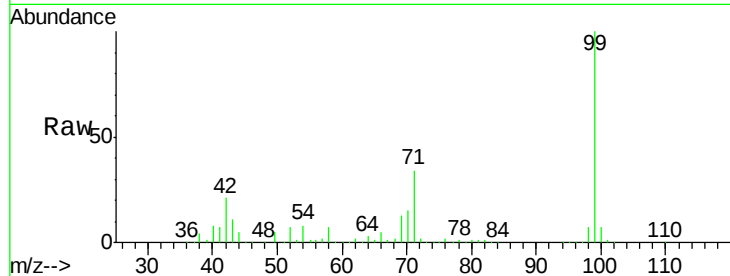
Tgt Ion: 99 Resp: 1189683

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

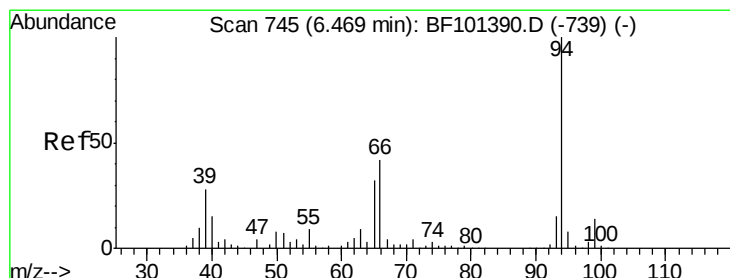
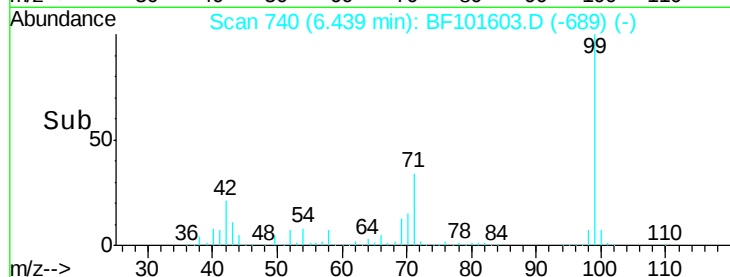
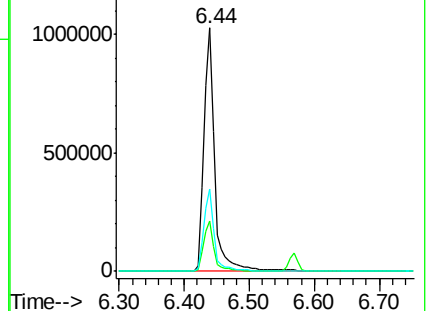
71 34.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.935 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

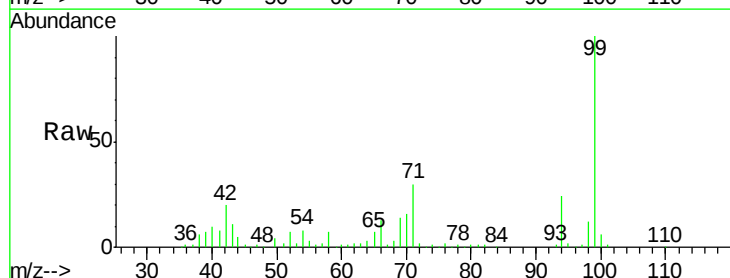
Tgt Ion: 94 Resp: 41496

Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

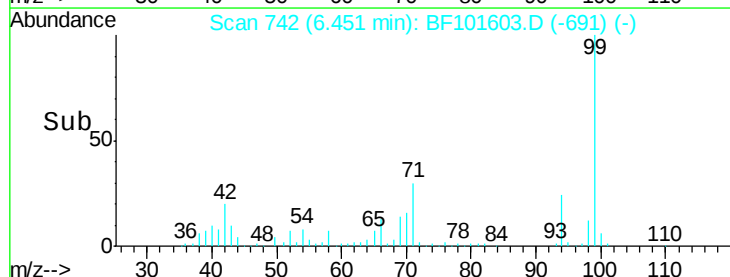
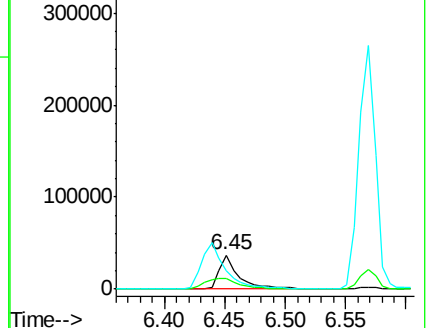
66 52.8 16.2 56.2

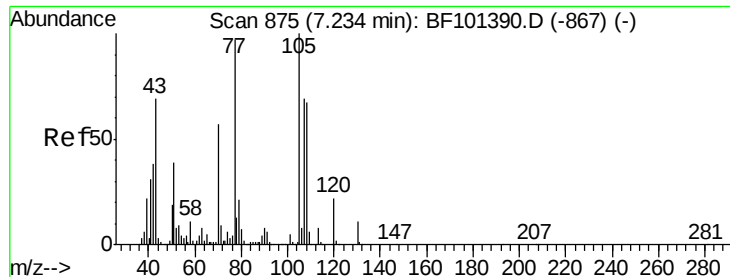


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

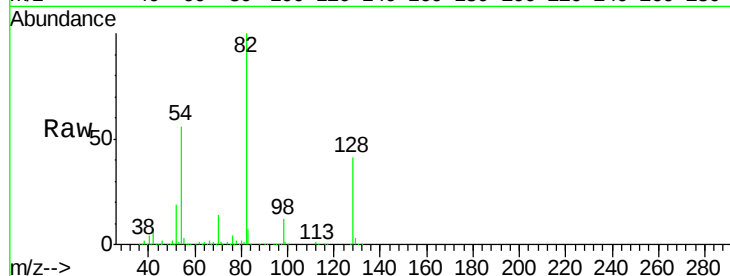




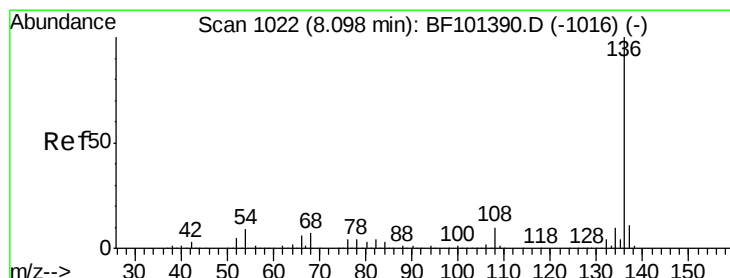
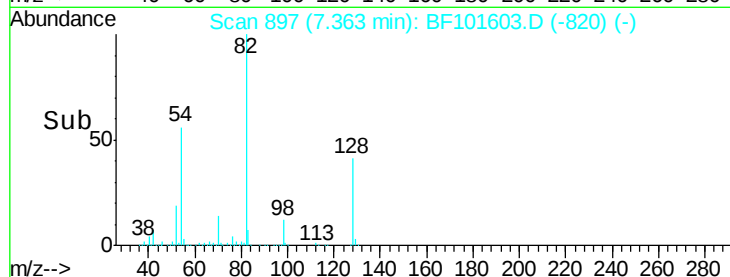
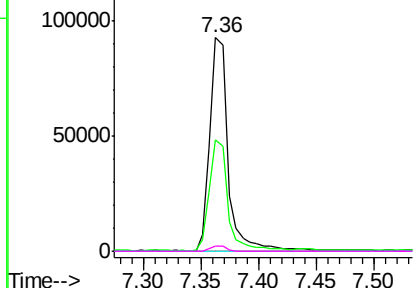
#19
n-Nitroso-di-n-propylamine
Concen: 12.737 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.15 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-A

Tgt Ion: 70 Resp: 103767
Ion Ratio Lower Upper
70 100
42 52.4 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



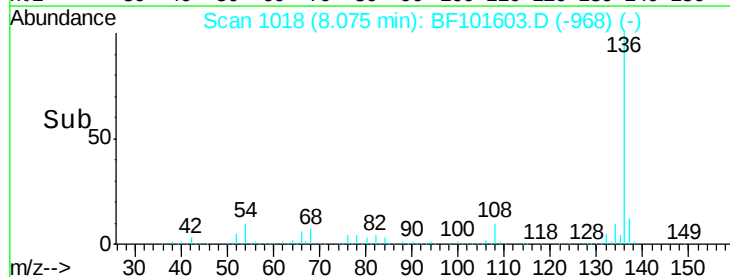
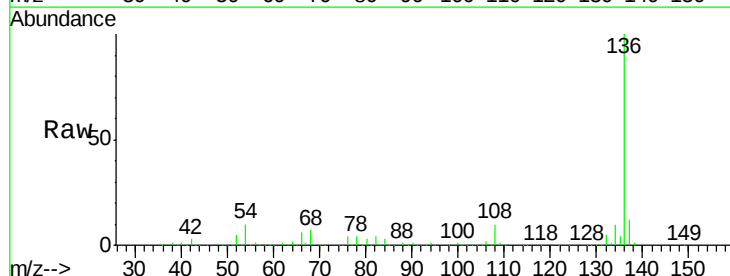
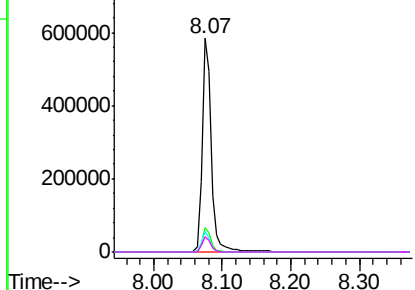
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

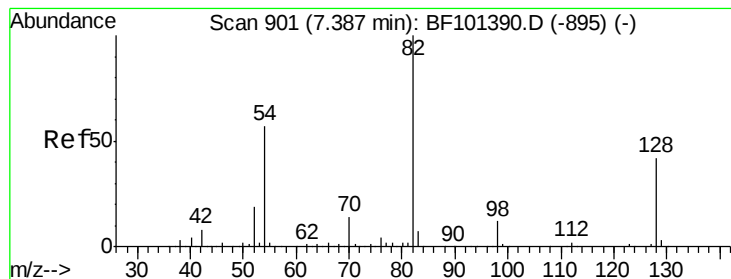


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Tgt Ion: 136 Resp: 557898
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 9.7 6.6 9.8
68 7.0 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 76.978 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

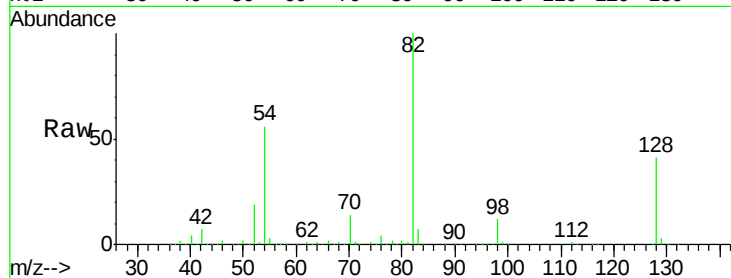
Tgt Ion: 82 Resp: 771497

Ion Ratio Lower Upper

82 100

128 41.5 36.1 54.1

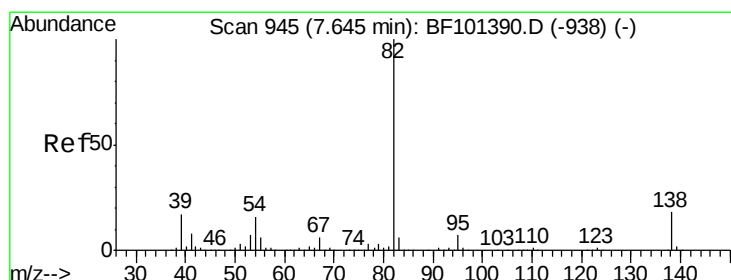
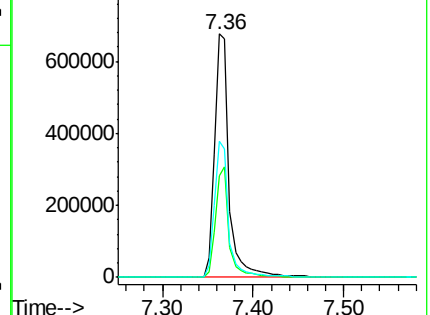
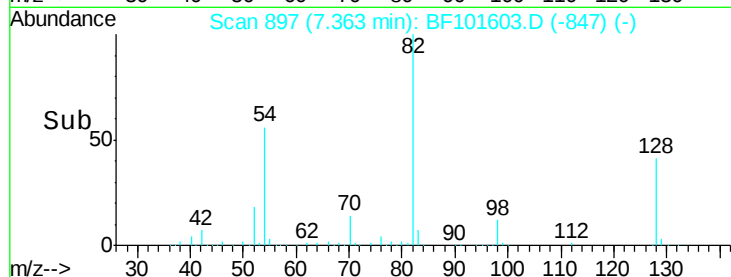
54 55.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 38.373 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

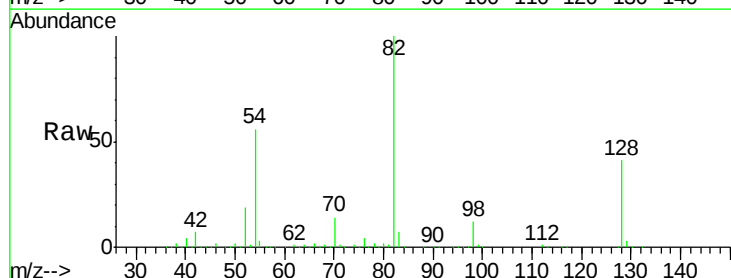
Tgt Ion: 82 Resp: 771497

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

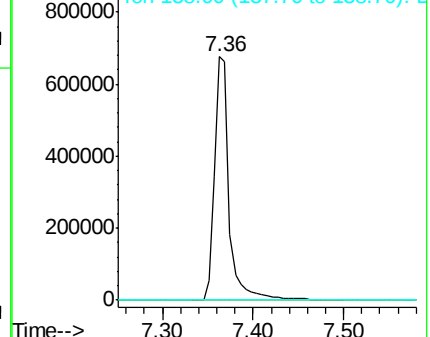
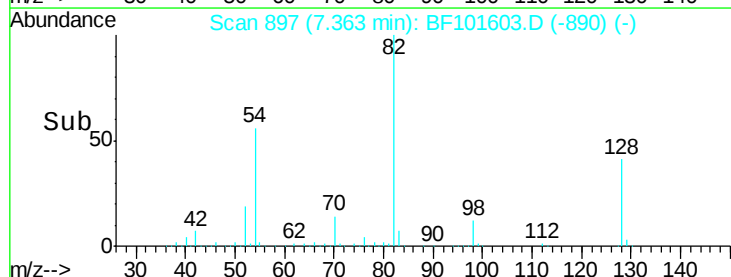
138 0.0 14.9 22.3#

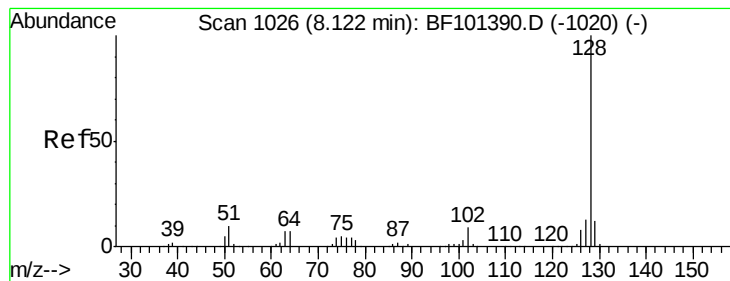


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.101 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

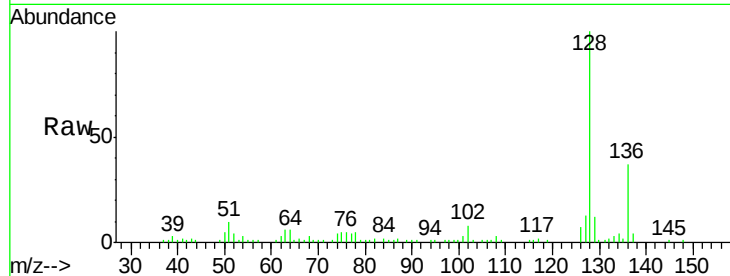
Tgt Ion:128 Resp: 59015

Ion Ratio Lower Upper

128 100

129 12.2 8.8 13.2

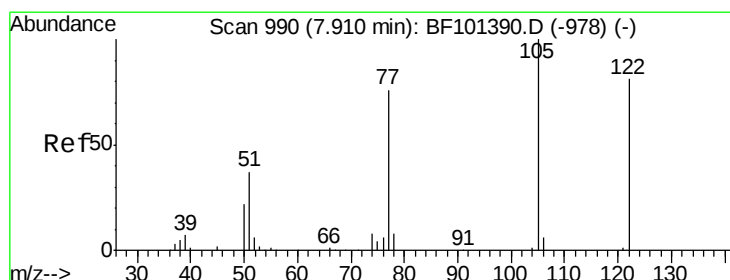
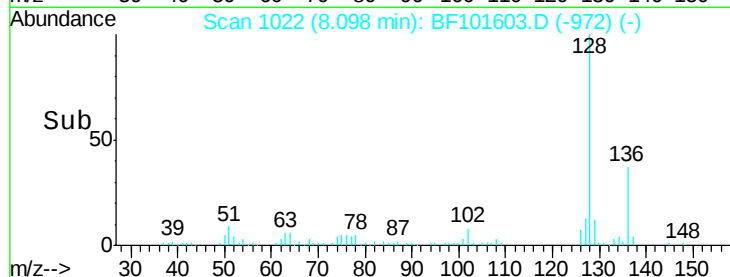
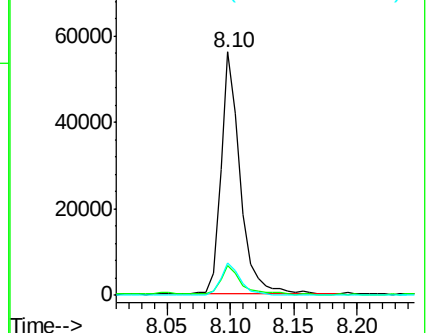
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.103 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

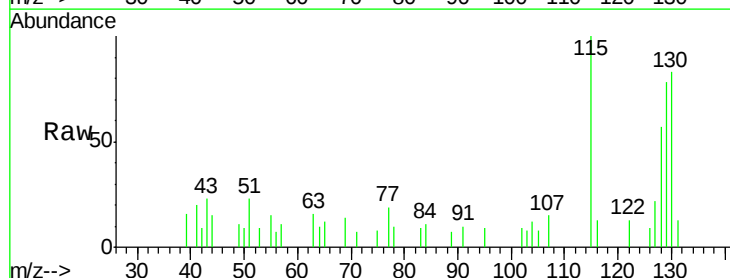
Tgt Ion:122 Resp: 930

Ion Ratio Lower Upper

122 100

105 56.9 101.1 141.1#

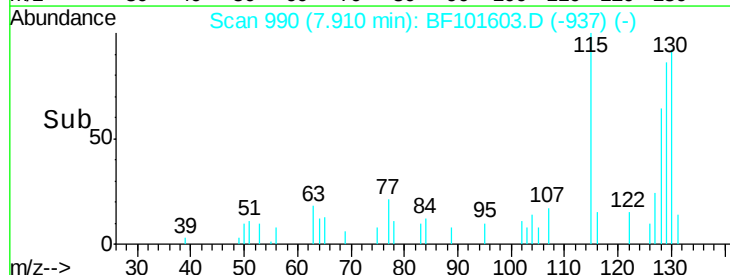
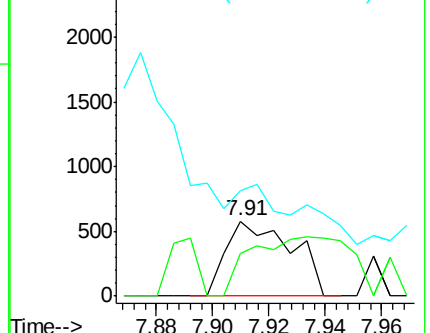
77 139.8 70.7 110.7#

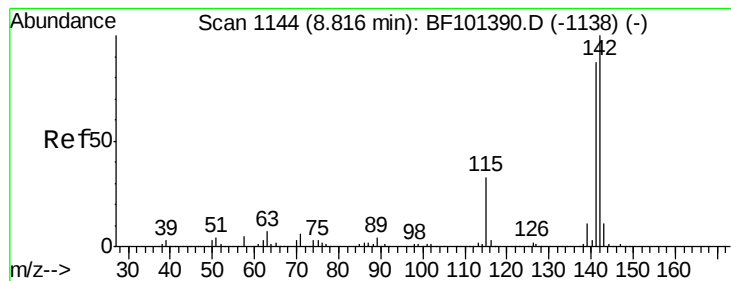


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

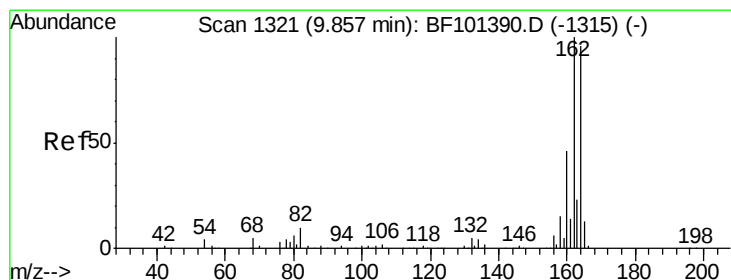
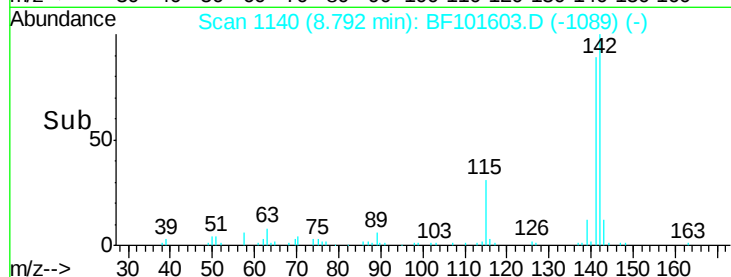
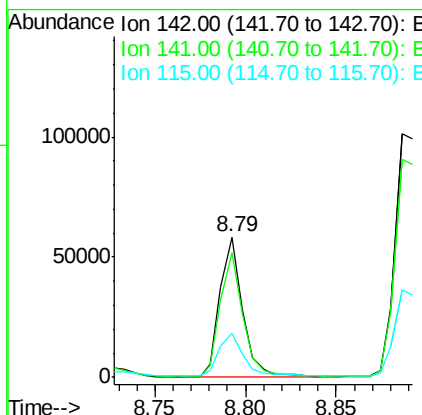
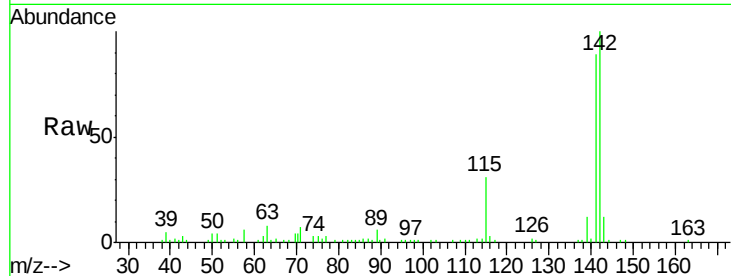




#37
2-Methylnaphthalene
Concen: 2.839 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

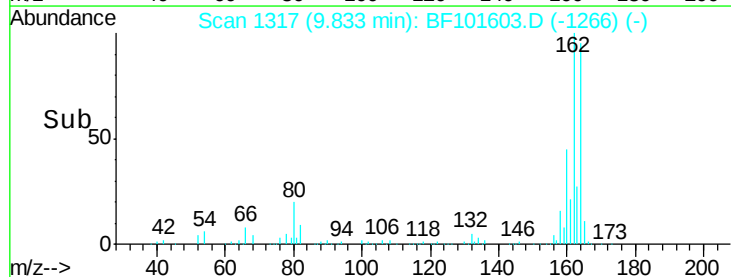
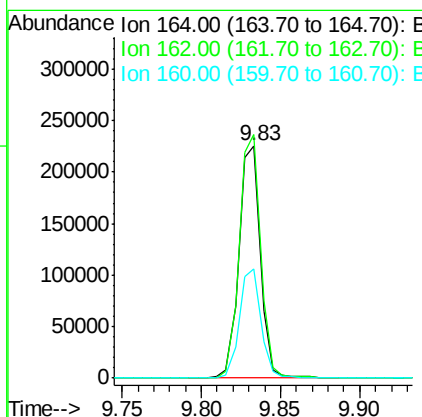
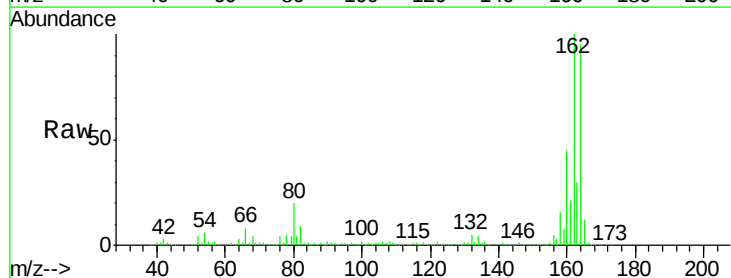
Instrument :
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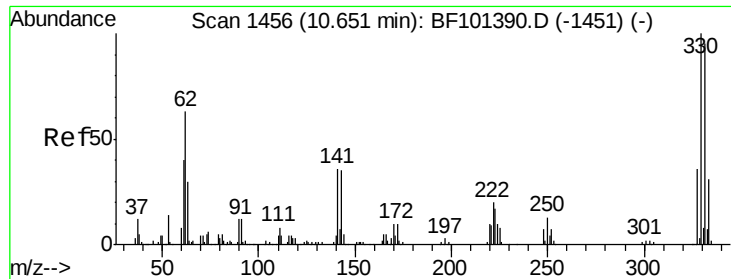
Tgt Ion:142 Resp: 51956
Ion Ratio Lower Upper
142 100
141 89.5 70.8 106.2
115 31.4 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Tgt Ion:164 Resp: 211277
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 47.2 38.3 57.5

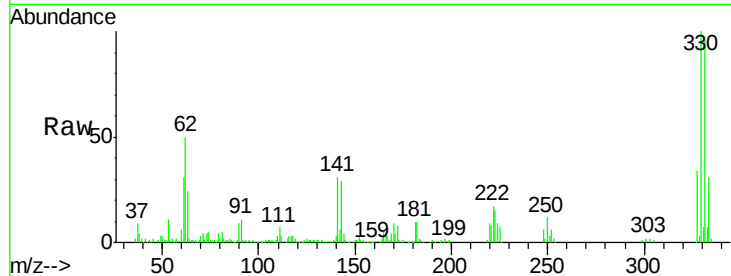




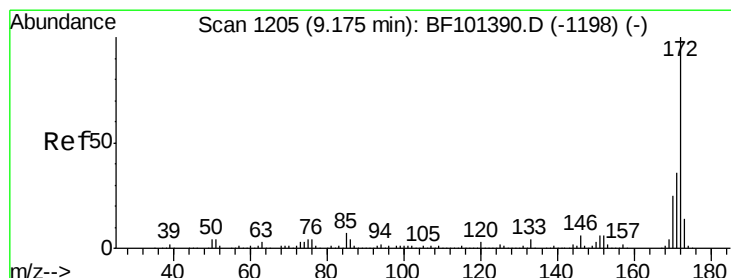
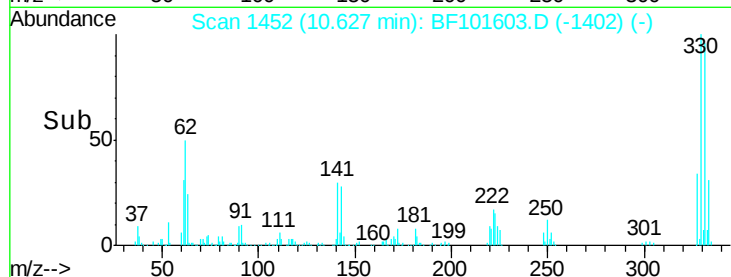
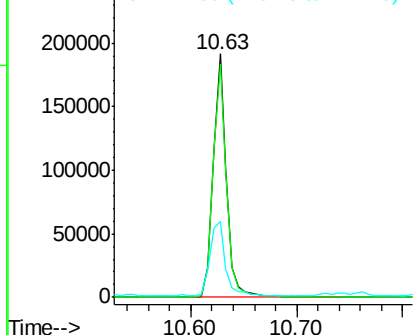
#41
 2,4,6-Tribromophenol
 Concen: 83.720 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101603.D
 Acq: 21 Dec 2017 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-A

Tgt Ion: 330 Resp: 170438
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 37.0 29.9 44.9

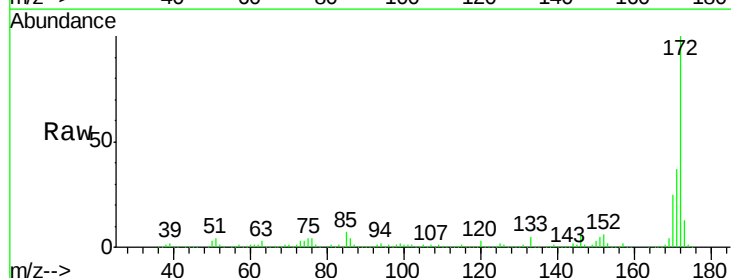


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

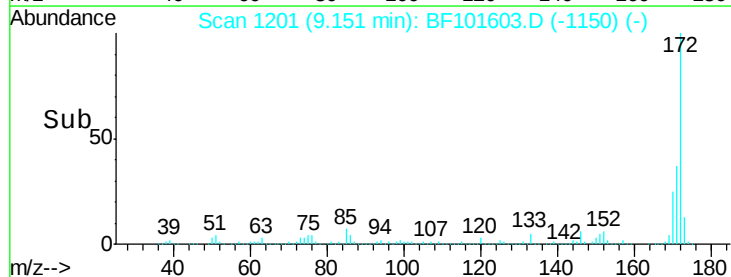
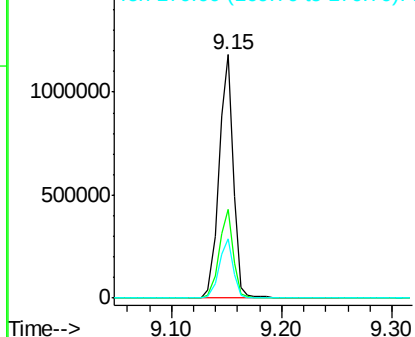


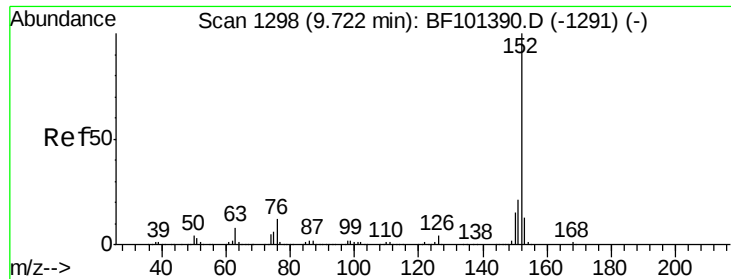
#44
 2-Fluorobiphenyl
 Concen: 77.802 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101603.D
 Acq: 21 Dec 2017 13:35

Tgt Ion: 172 Resp: 1059655
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 8.070 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

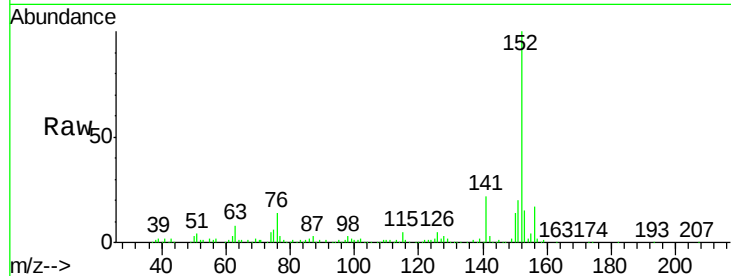
Tgt Ion:152 Resp: 182737

Ion Ratio Lower Upper

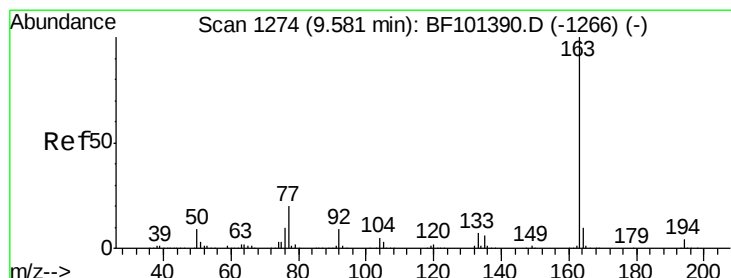
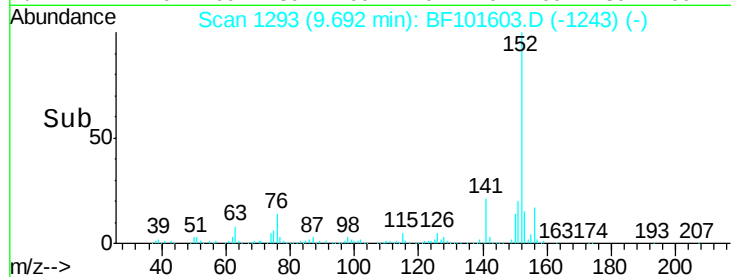
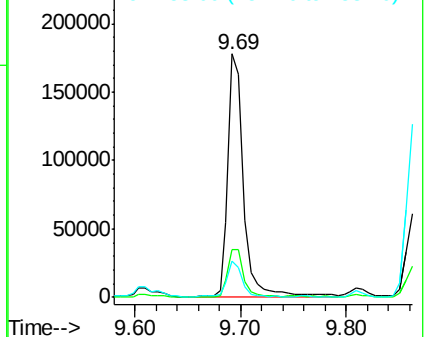
152 100

151 19.8 16.3 24.5

153 15.0 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 9.780 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

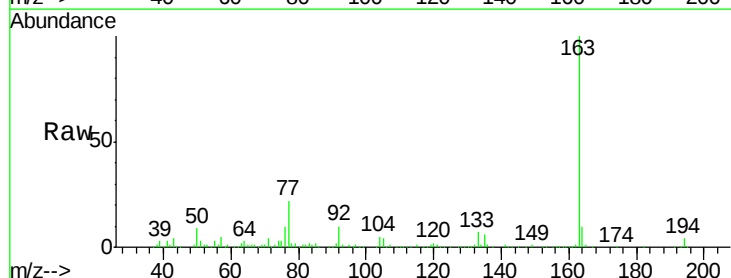
Tgt Ion:163 Resp: 166212

Ion Ratio Lower Upper

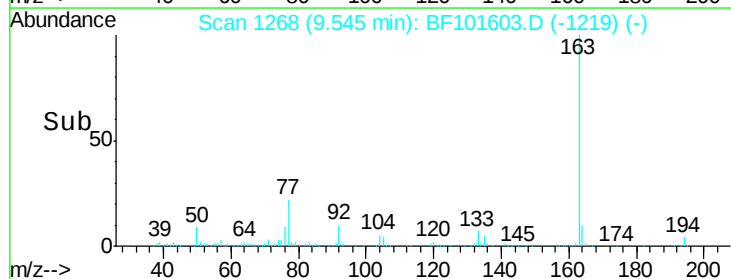
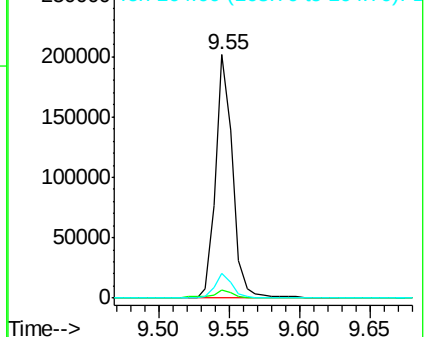
163 100

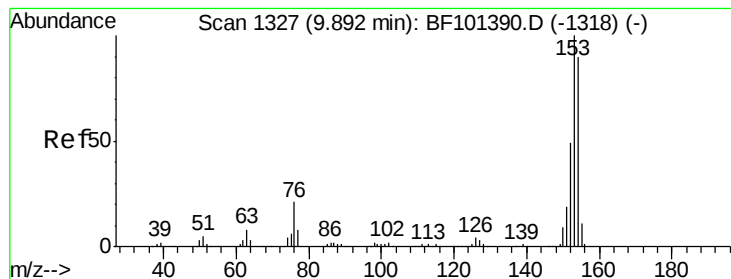
194 3.6 2.7 4.1

164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 6.449 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

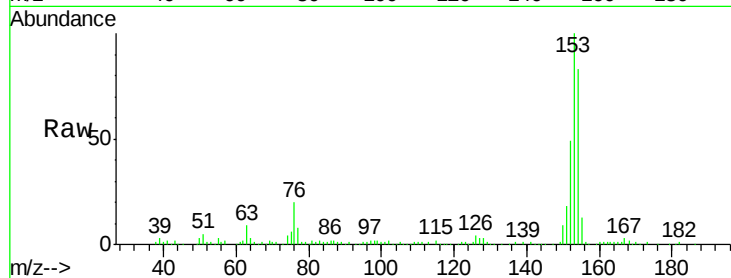
Tgt Ion:154 Resp: 87733

Ion Ratio Lower Upper

154 100

153 119.9 91.2 136.8

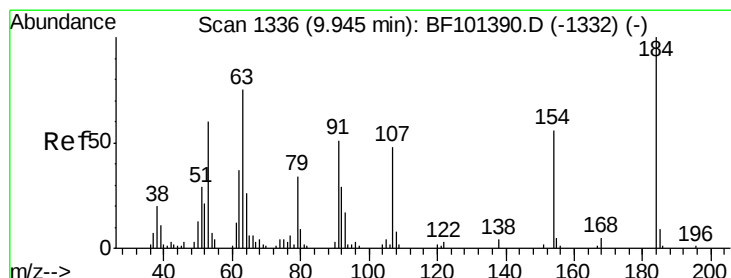
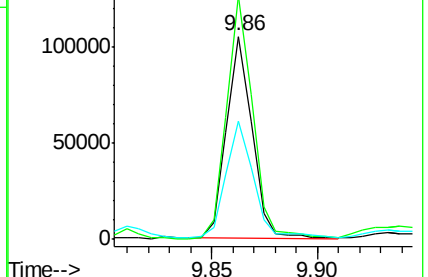
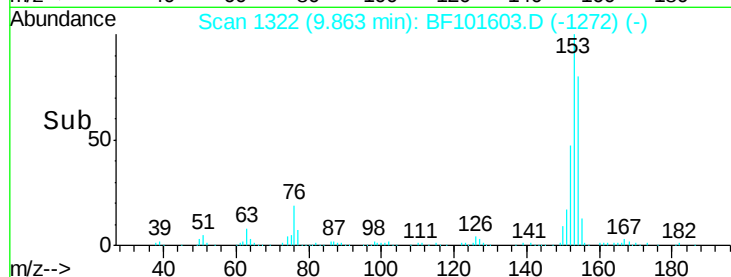
152 58.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 10.477 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.19 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

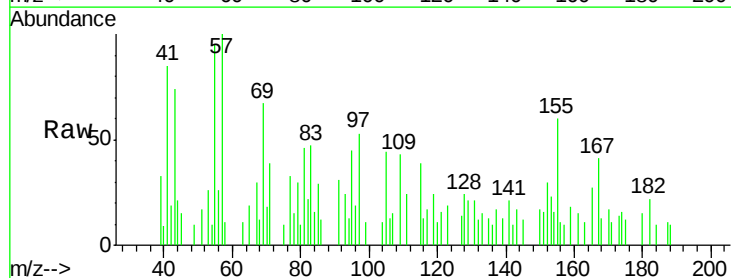
Tgt Ion:184 Resp: 217

Ion Ratio Lower Upper

184 100

63 115.6 54.2 81.2#

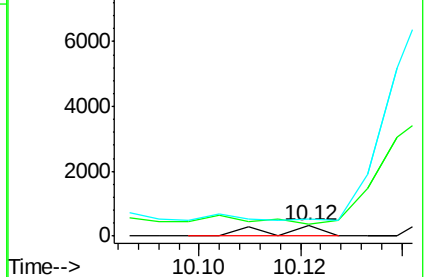
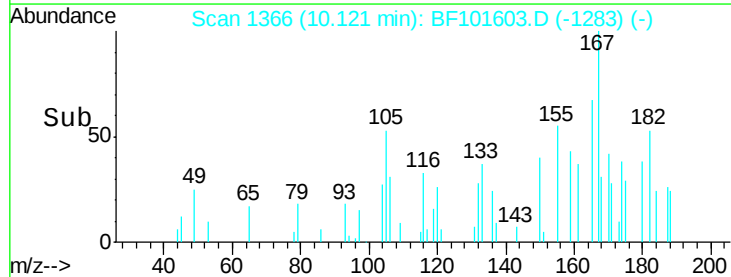
154 166.2 184.0 276.0#

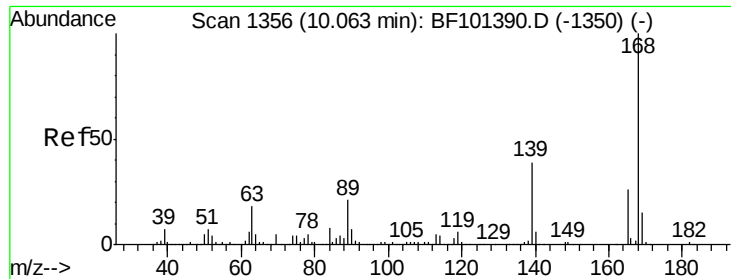


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.494 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

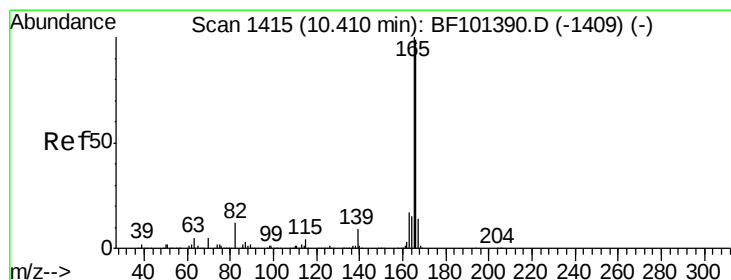
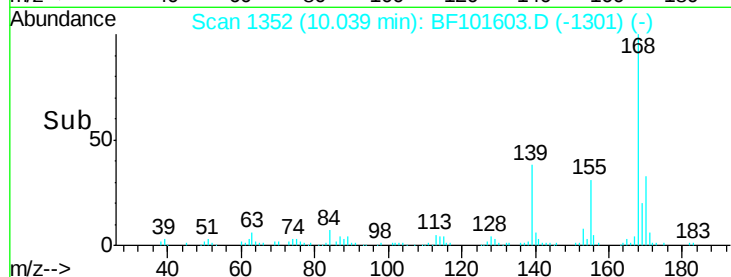
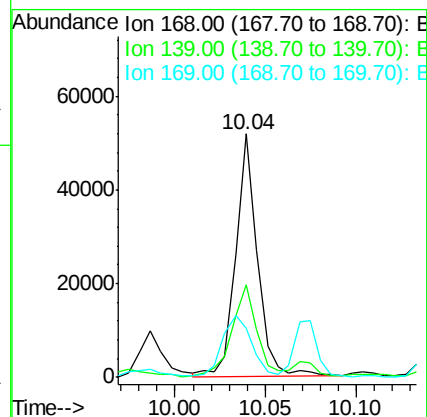
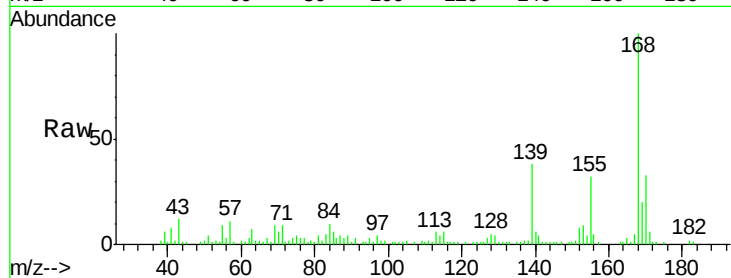
Tgt Ion:168 Resp: 43125

Ion Ratio Lower Upper

168 100

139 37.8 30.1 45.1

169 20.4 10.9 16.3#



#57

Fluorene

Concen: 8.677 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

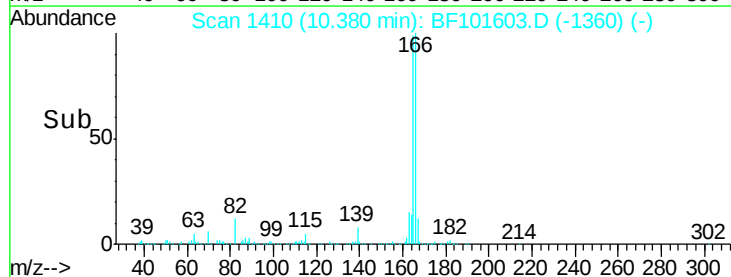
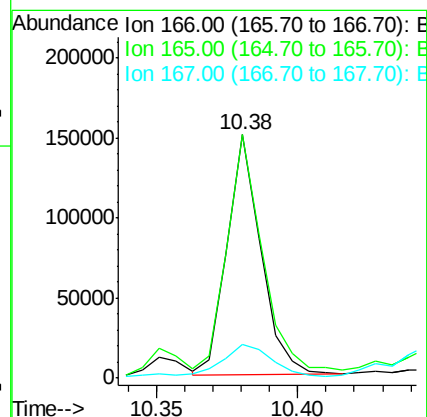
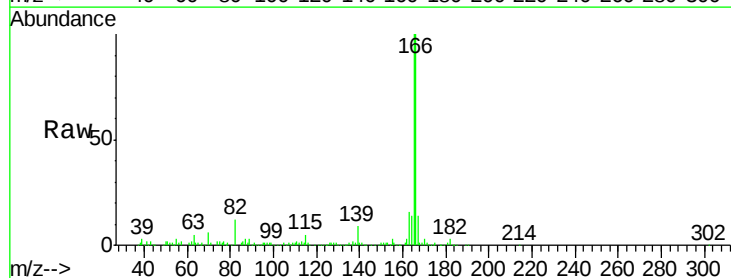
Tgt Ion:166 Resp: 126915

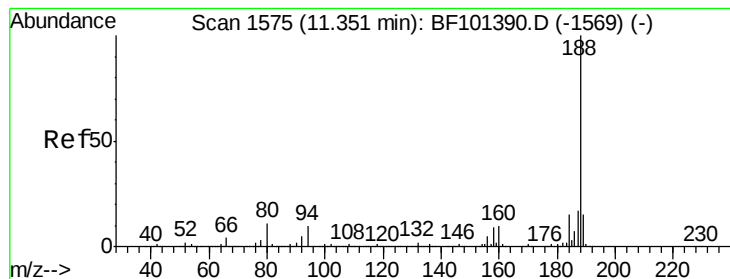
Ion Ratio Lower Upper

166 100

165 99.9 79.8 119.8

167 13.9 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

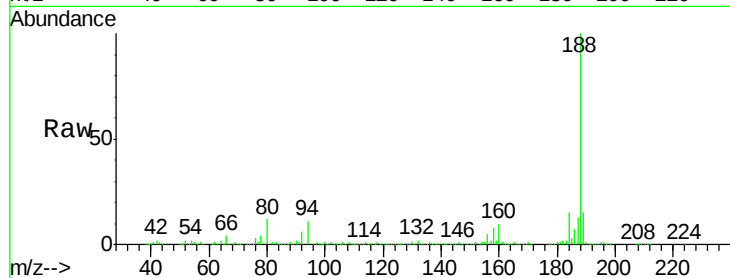
Tgt Ion:188 Resp: 315898

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

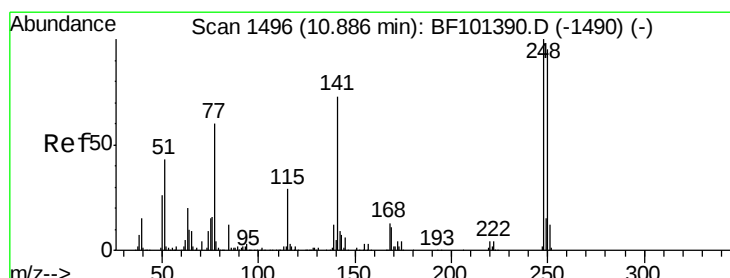
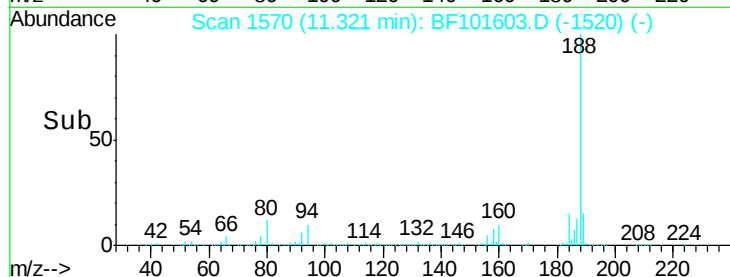
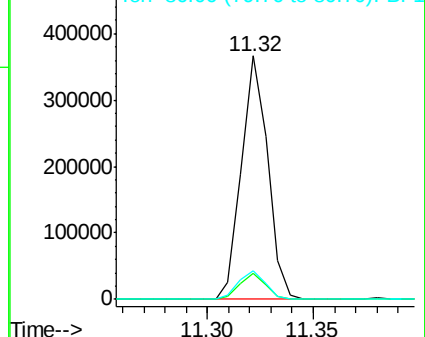
80 11.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 3.105 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

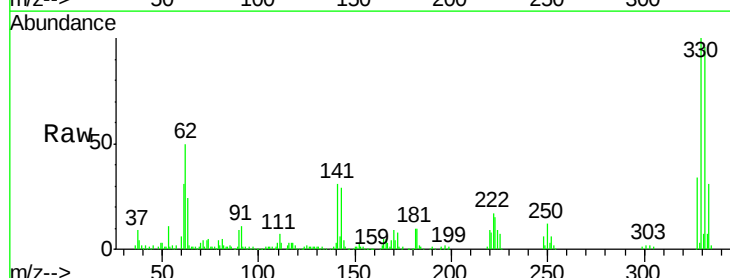
Tgt Ion:248 Resp: 11021

Ion Ratio Lower Upper

248 100

250 195.0 76.9 115.3#

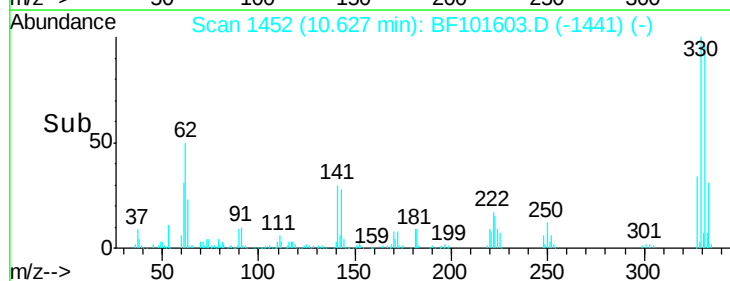
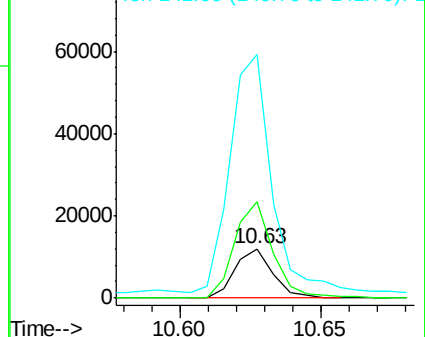
141 491.2 74.4 111.6#

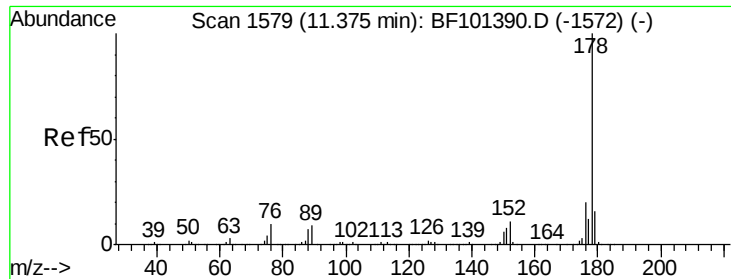


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

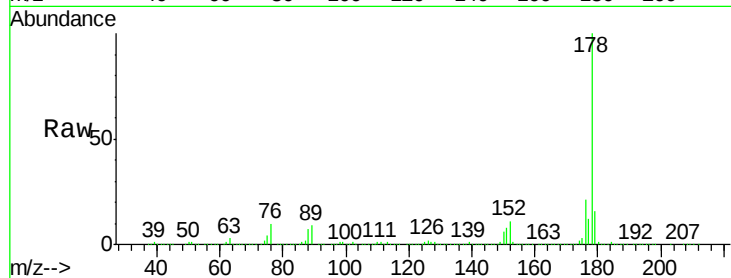




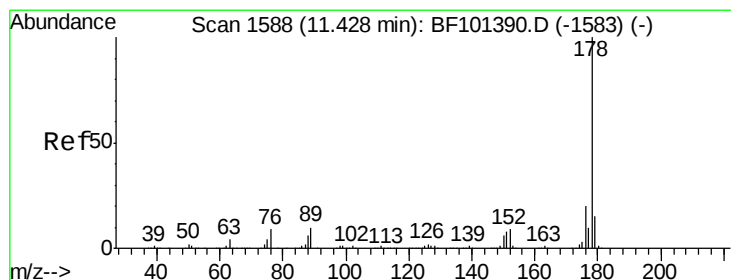
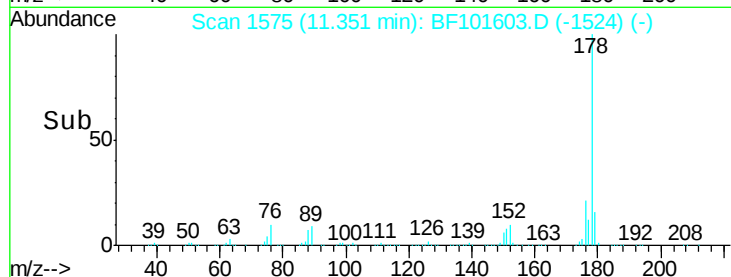
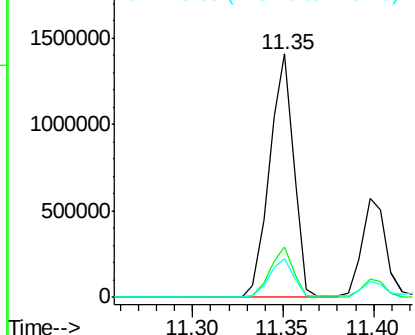
#70
Phenanthrene
Concen: 73.989 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-A

Tgt Ion:178 Resp: 1299813
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 15.7 13.0 19.6

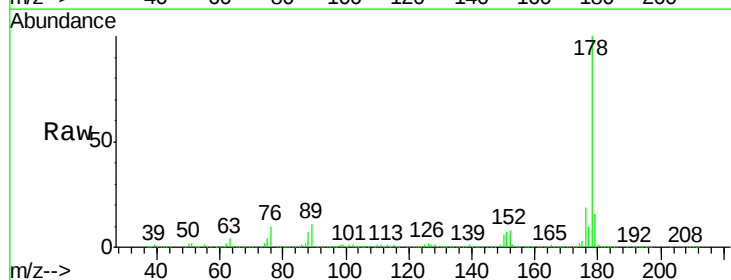


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

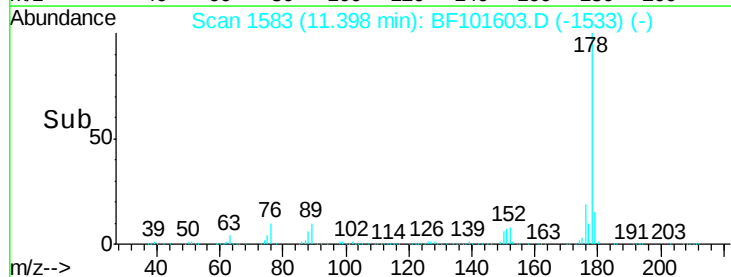
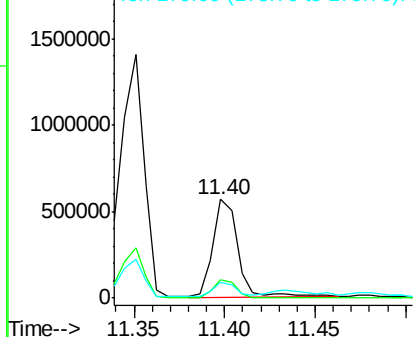


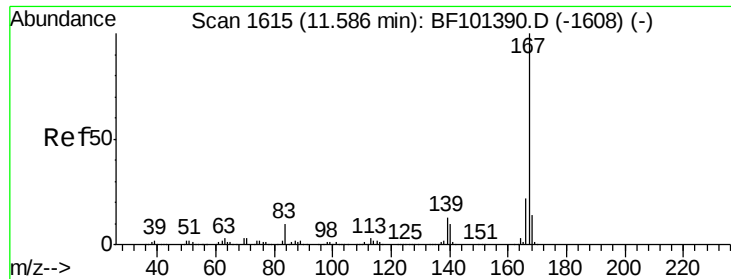
#71
Anthracene
Concen: 30.130 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Tgt Ion:178 Resp: 540674
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.771 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

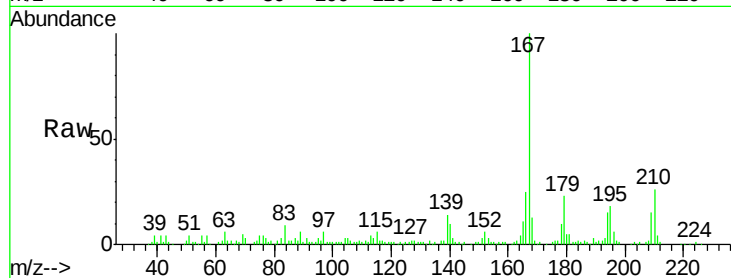
Tgt Ion:167 Resp: 80164

Ion Ratio Lower Upper

167 100

166 24.7 17.6 26.4

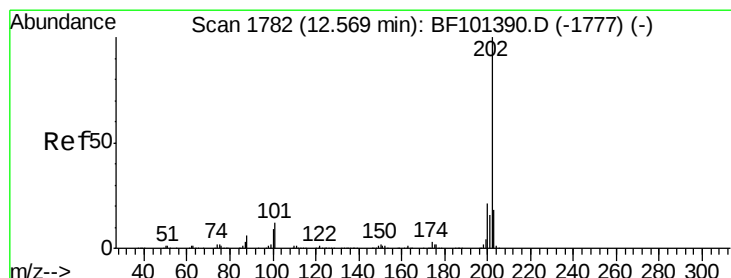
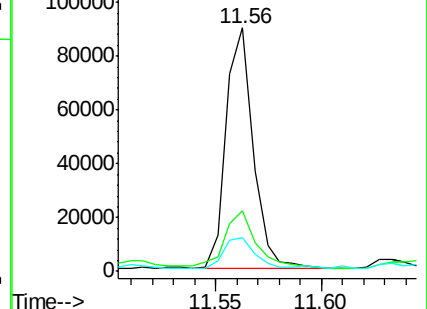
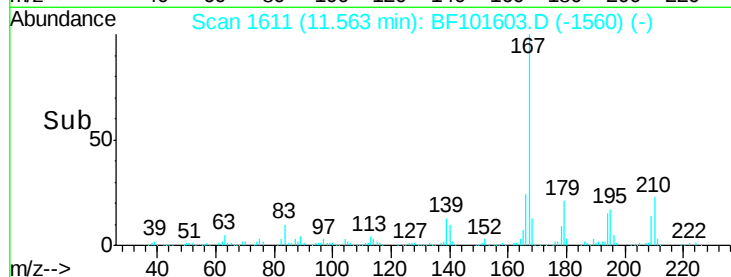
139 13.8 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 159.117 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.02 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

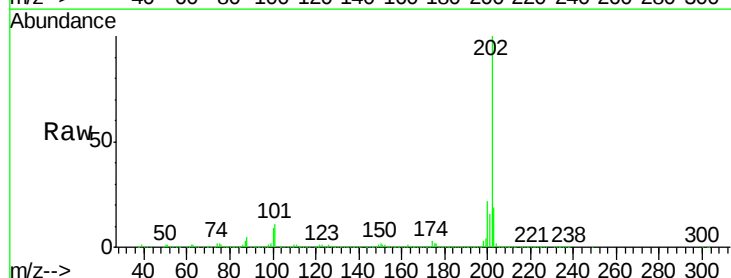
Tgt Ion:202 Resp: 2934060

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

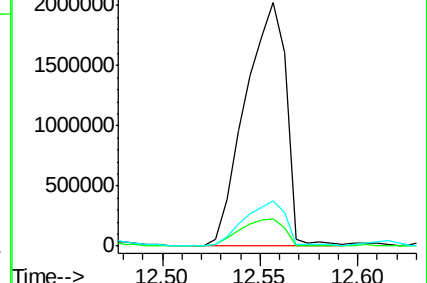
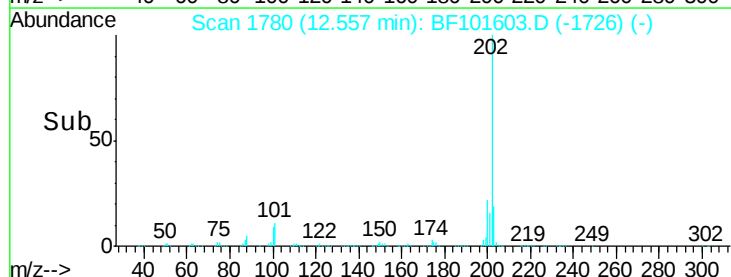
203 18.6 0.0 38.1

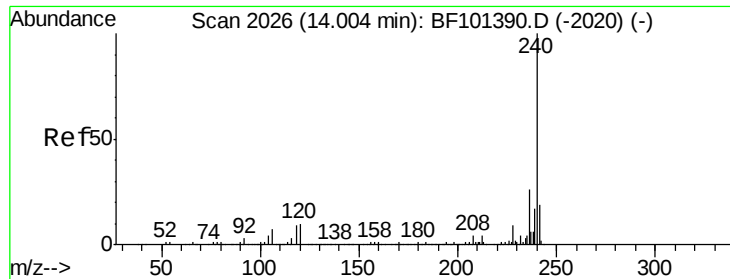


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

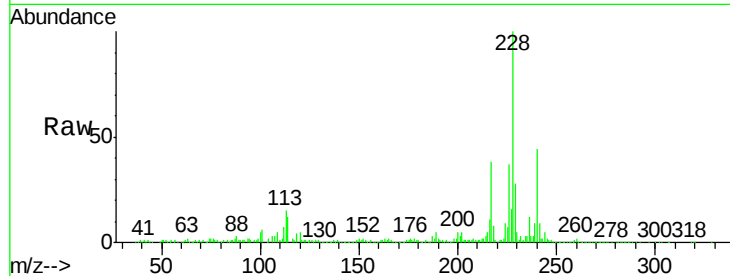
Tgt Ion:240 Resp: 221685

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

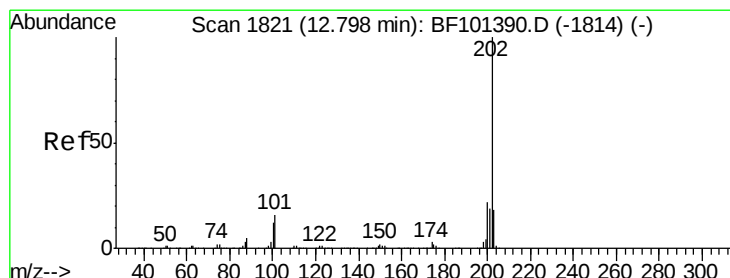
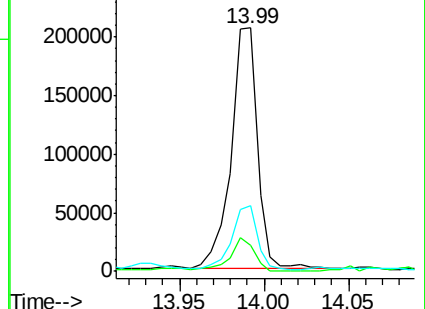
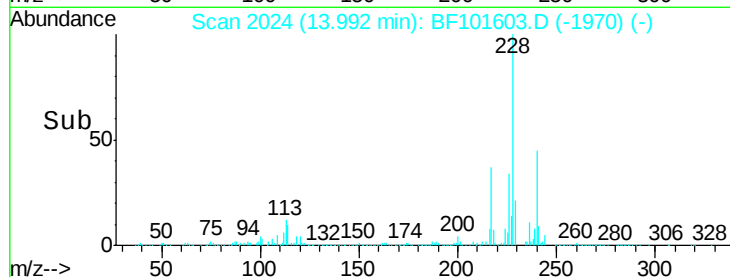
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 182.207 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.02 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

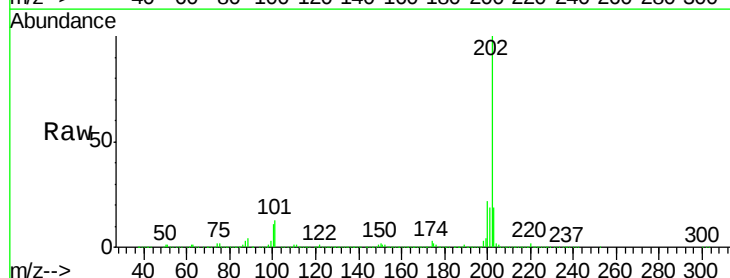
Tgt Ion:202 Resp: 3031455

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

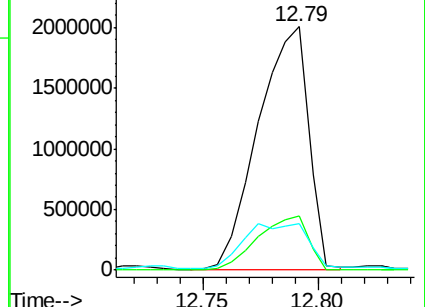
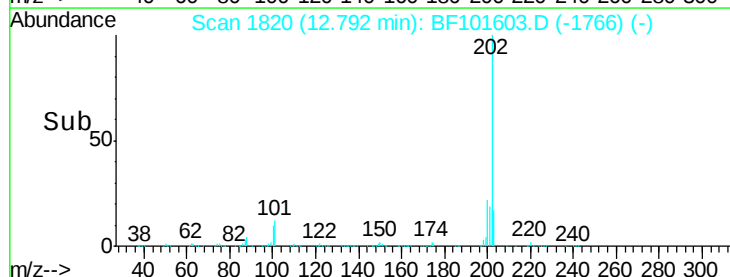
203 18.9 14.3 21.5

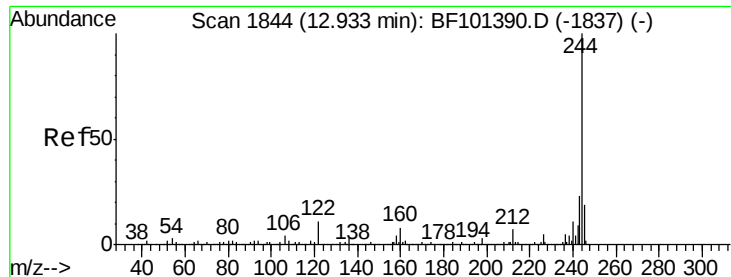


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.947 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

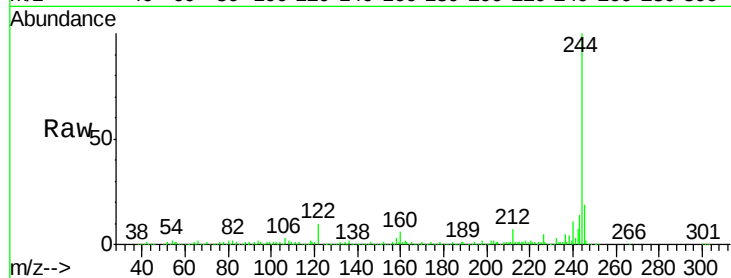
Tgt Ion:244 Resp: 753551

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

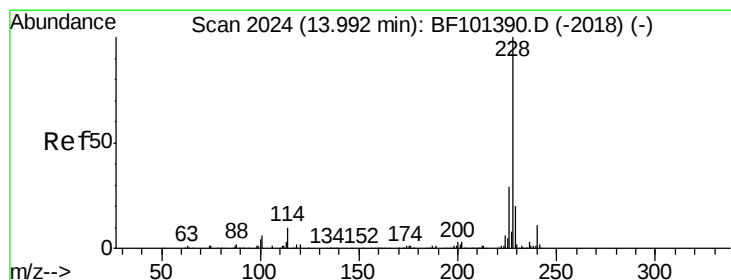
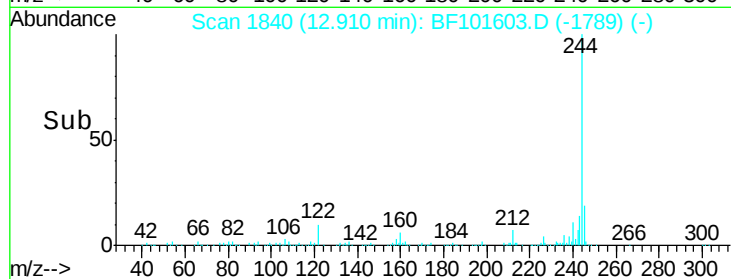
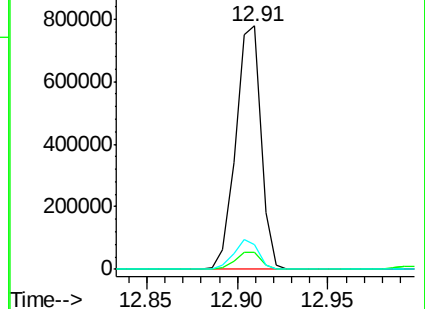
122 10.2 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 164.453 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.02 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

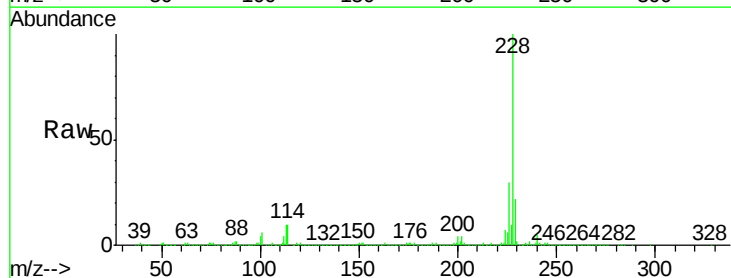
Tgt Ion:228 Resp: 2407300

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

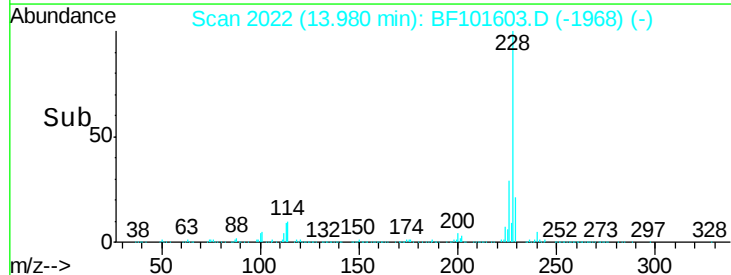
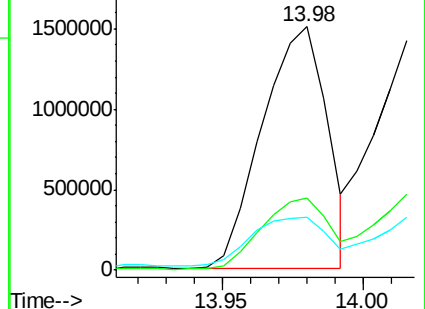
229 21.6 15.8 23.6

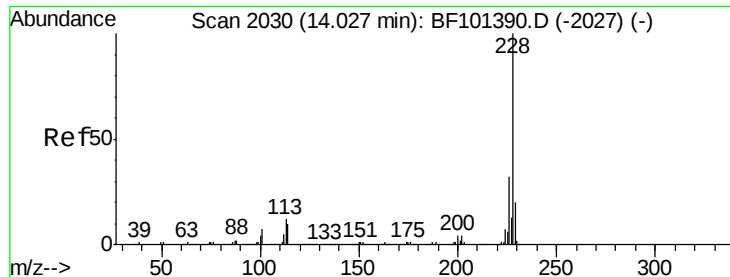


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 138.731 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.02 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

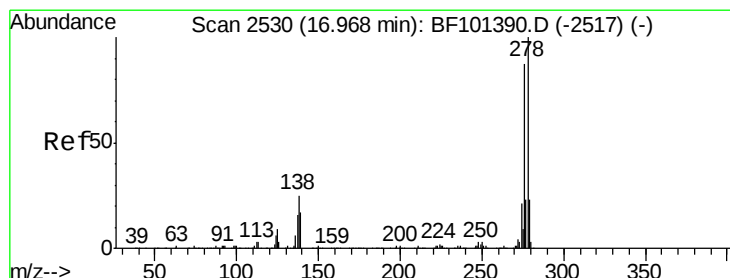
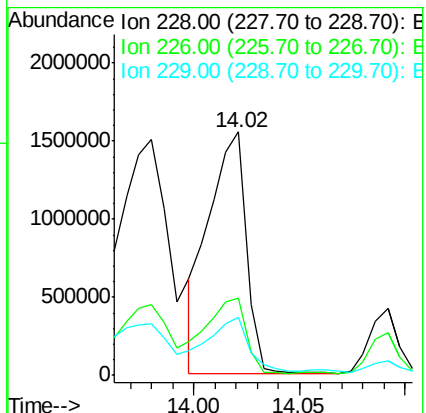
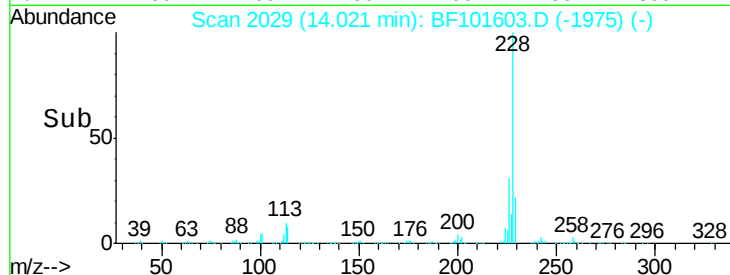
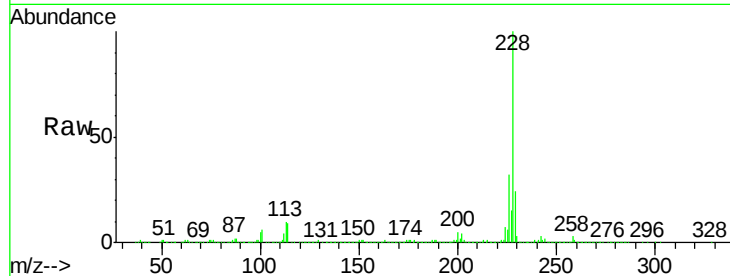
Tgt Ion:228 Resp: 1917421

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

229 23.7 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 117.532 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.05 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

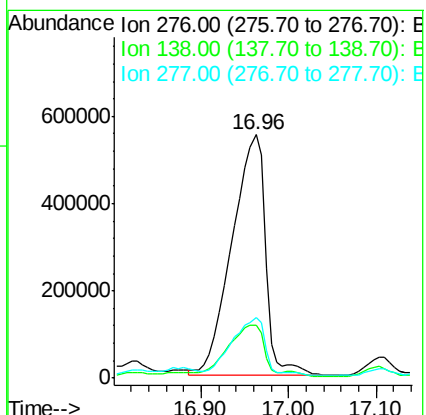
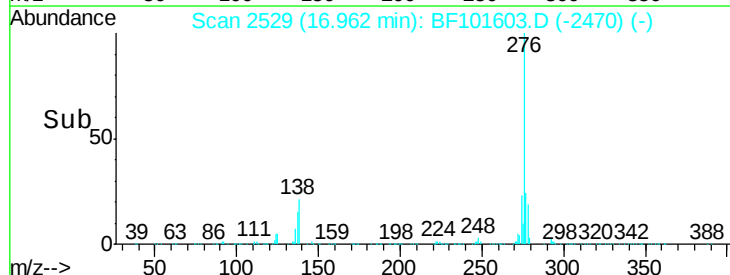
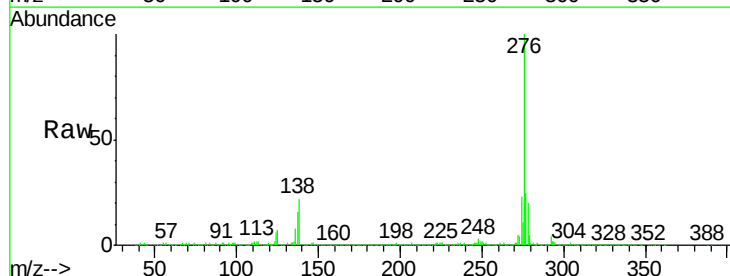
Tgt Ion:276 Resp: 1446548

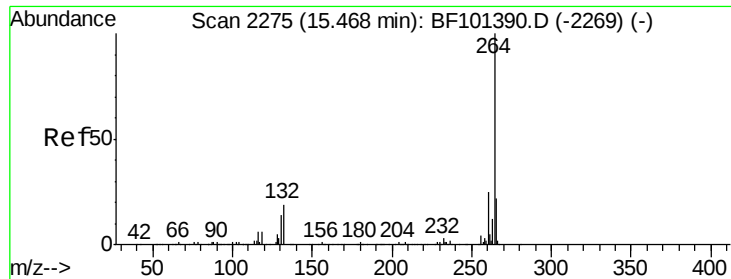
Ion Ratio Lower Upper

276 100

138 20.0 25.0 37.6#

277 23.9 20.1 30.1

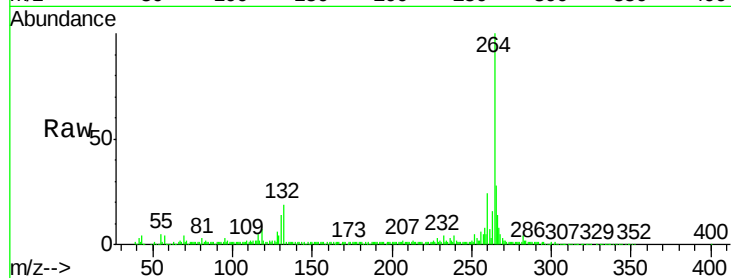




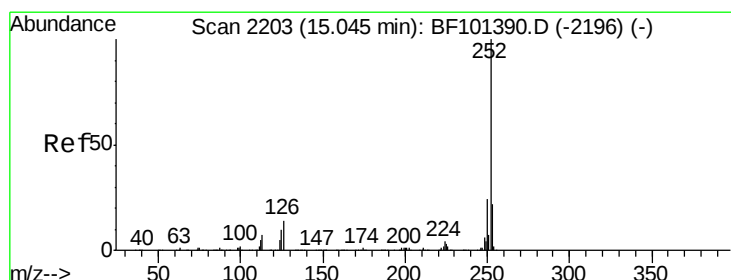
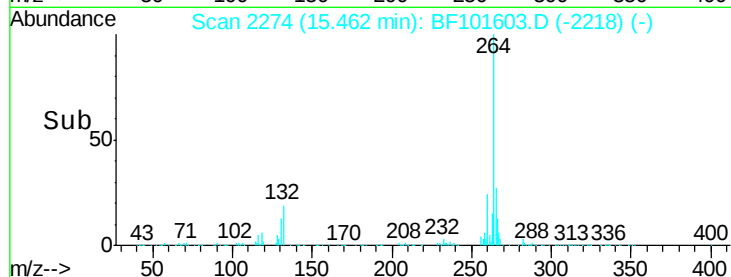
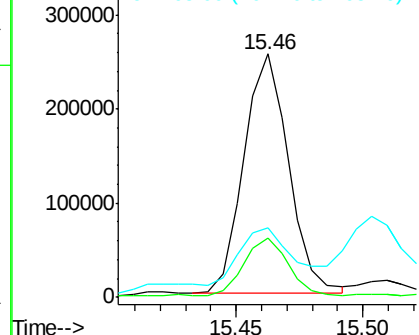
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.03 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-A

Tgt Ion:264 Resp: 313763
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 28.5 17.5 26.3#

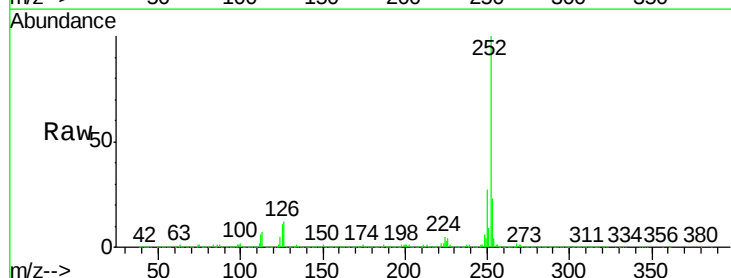


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

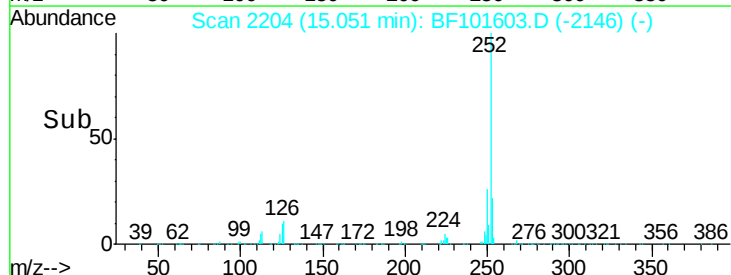
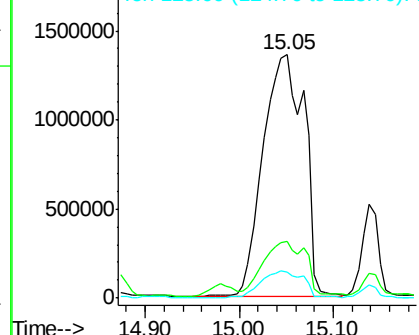


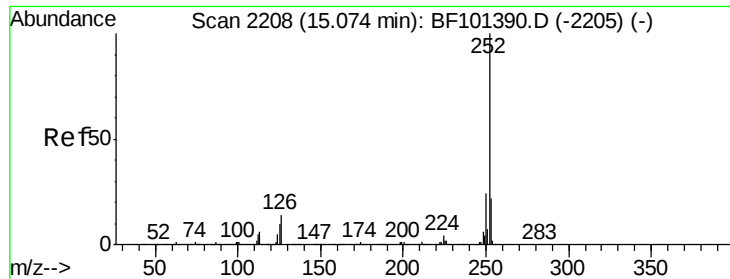
#87
Benzo(b)fluoranthene
Concen: 216.582 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.04 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Tgt Ion:252 Resp: 4142040
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 10.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

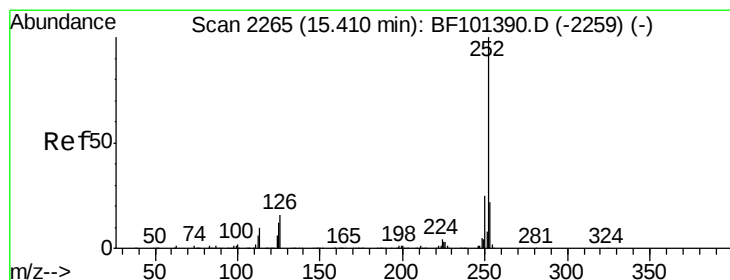
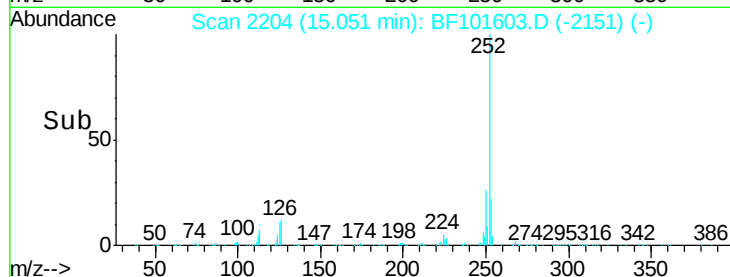
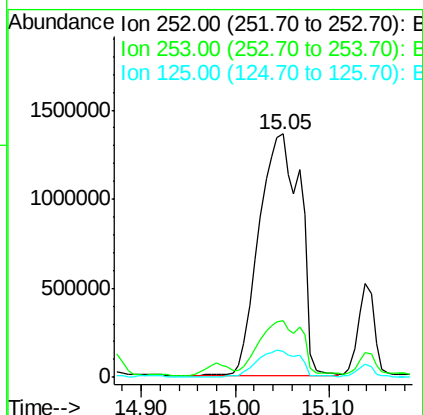
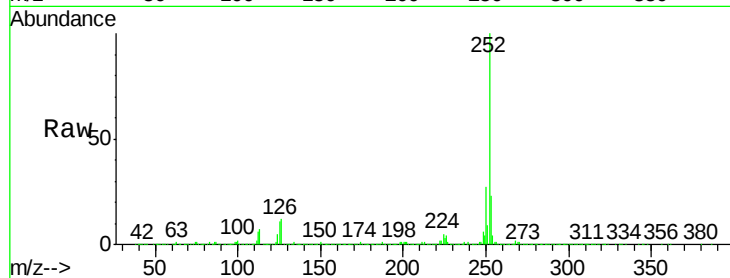




#88
Benzo(k)fluoranthene
Concen: 222.758 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

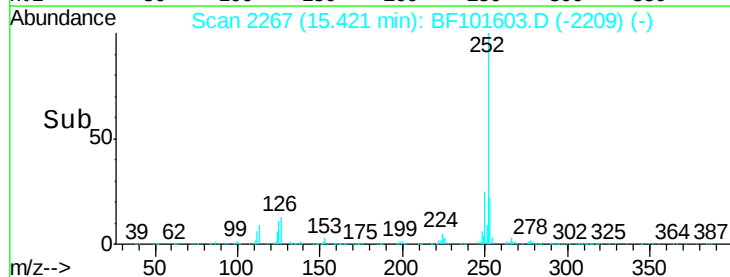
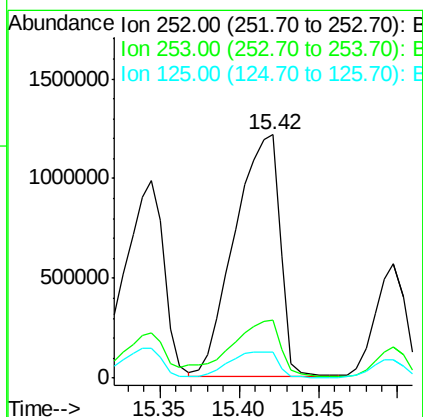
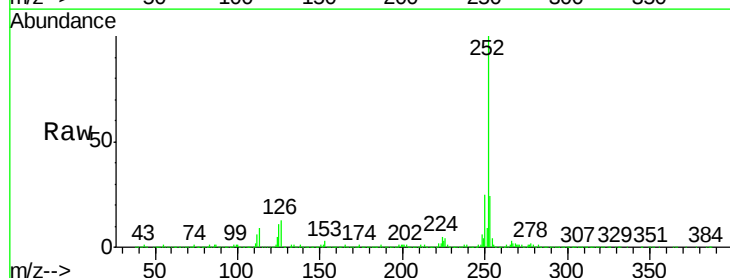
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-A

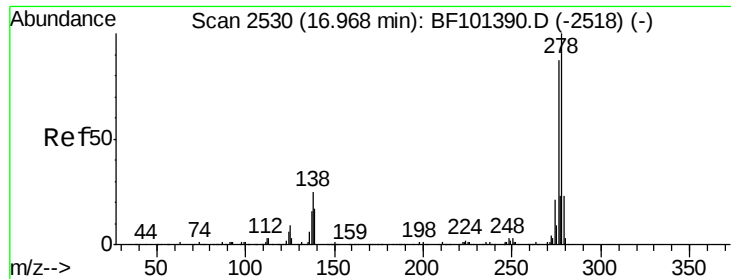
Tgt Ion:252 Resp: 4142040
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 10.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 136.813 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.04 min
Lab File: BF101603.D
Acq: 21 Dec 2017 13:35

Tgt Ion:252 Resp: 2412027
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 10.8 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 21.389 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.19 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-A

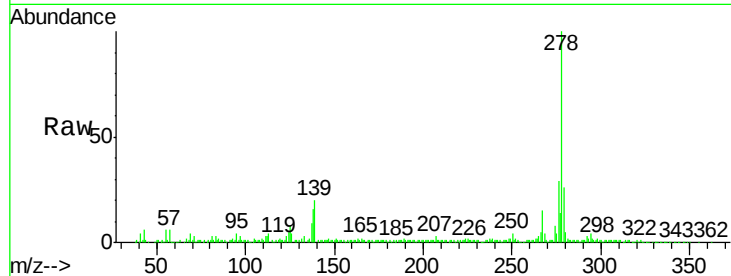
Tgt Ion:278 Resp: 323760

Ion Ratio Lower Upper

278 100

139 20.2 15.9 23.9

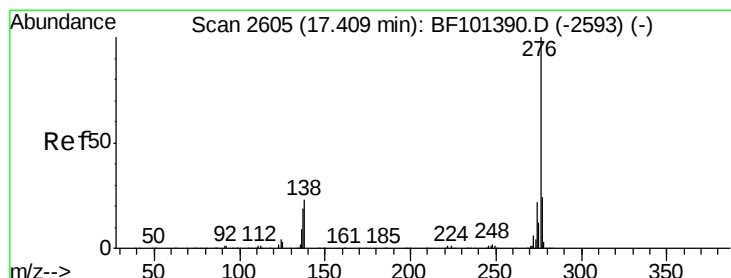
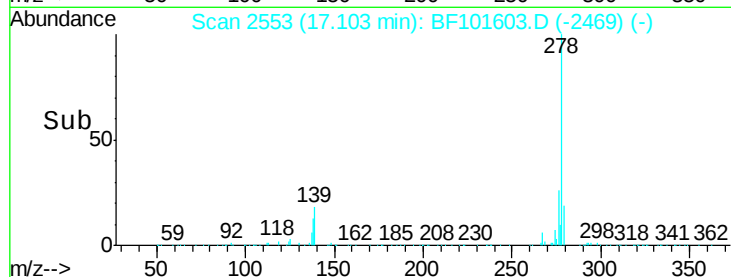
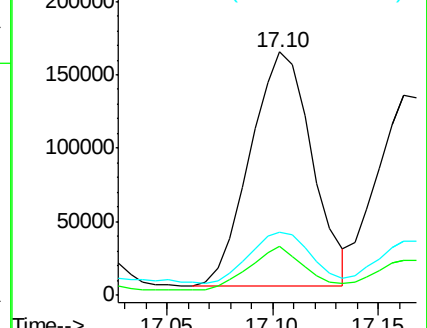
279 26.2 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 86.729 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.06 min

Lab File: BF101603.D

Acq: 21 Dec 2017 13:35

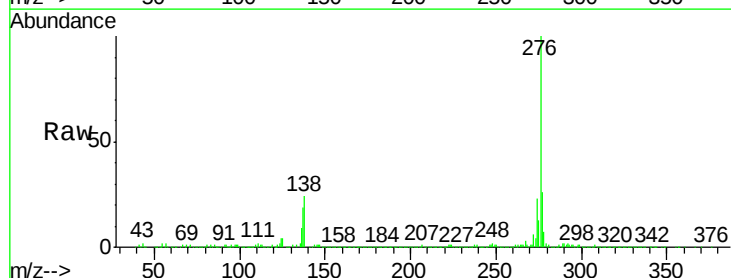
Tgt Ion:276 Resp: 1299956

Ion Ratio Lower Upper

276 100

277 25.8 17.9 26.9

138 24.1 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

