

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061918\
 Data File : BF106602.D
 Acq On : 20 Jun 2018 00:16
 Operator : JU/SJ
 Sample : J3554-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-6(3.0)

Quant Time: Jun 20 01:07:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	103348	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	359945	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	144021	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	226361	20.00	ng	0.00
75) Chrysene-d12	14.15	240	254164	20.00	ng	0.00
86) Perylene-d12	15.69	264	198120	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	730351	119.67	ng	0.01
7) Phenol-d6	6.61	99	914817	120.03	ng	0.00
23) Nitrobenzene-d5	7.52	82	614089	94.81	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	191824	114.92	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	864711	105.12	ng	0.00
78) Terphenyl-d14	13.08	244	756961	72.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	115	0.037	ng	# 20
6) Aniline	6.74	93	1102	0.107	ng	# 1
8) 2-Chlorophenol	6.75	128	136	0.020	ng	# 1
9) Benzaldehyde	6.74	77	16594	2.581	ng	90
10) Phenol	6.62	94	8968	1.031	ng	85
11) bis(2-Chloroethyl)ether	6.74	93	1102	0.153	ng	# 1
15) Benzyl Alcohol	7.12	79	9625	1.573	ng	# 47
19) n-Nitroso-di-n-propylamine	7.52	70	82747	16.470	ng	# 73
24) Nitrobenzene	7.52	77	1559	0.236	ng	# 36
25) Isophorone	7.52	82	614078	53.804	ng	# 64
31) Naphthalene	8.27	128	123	0.007	ng	# 68
45) 1,1'-Biphenyl	9.42	154	1593	0.139	ng	82
46) 2-Chloronaphthalene	9.71	162	708	0.078	ng	# 1
47) 2-Nitroaniline	9.71	65	1285	0.423	ng	# 1
48) Acenaphthylene	9.87	152	950	0.067	ng	# 60
49) Dimethylphthalate	9.71	163	123016	11.389	ng	99
50) 2,6-Dinitrotoluene	9.71	165	1438	0.629	ng	# 16
51) Acenaphthene	10.01	154	397	0.044	ng	# 4
56) 2,4-Dinitrotoluene	10.00	165	17818	5.968	ng	# 22
57) Fluorene	10.80	166	6886	0.706	ng	# 78
59) Diethylphthalate	10.41	149	326	0.031	ng	# 61
62) Azobenzene	10.80	77	739	0.072	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	306	0.219	ng	# 1
65) n-Nitrosodiphenylamine	10.80	169	5151	0.677	ng	# 44
66) 4-Bromophenyl-phenylether	10.80	248	11796	4.366	ng	# 1
70) Phenanthrene	11.52	178	1513	0.139	ng	96
71) Anthracene	11.52	178	1513	0.136	ng	97
72) Carbazole	11.73	167	163	0.016	ng	# 59
73) Di-n-butylphthalate	12.04	149	1069	0.087	ng	# 78
74) Fluoranthene	12.71	202	3206	0.266	ng	94
76) Benzidine	13.08	184	9035	1.248	ng	94
77) Pyrene	12.71	202	3206	0.191	ng	98
79) Butylbenzylphthalate	13.54	149	215	0.031	ng	# 42
80) Benzo(a)anthracene	14.14	228	2677	0.173	ng	# 83

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QLast Update : Tue Jun 19 14:32:09 2018
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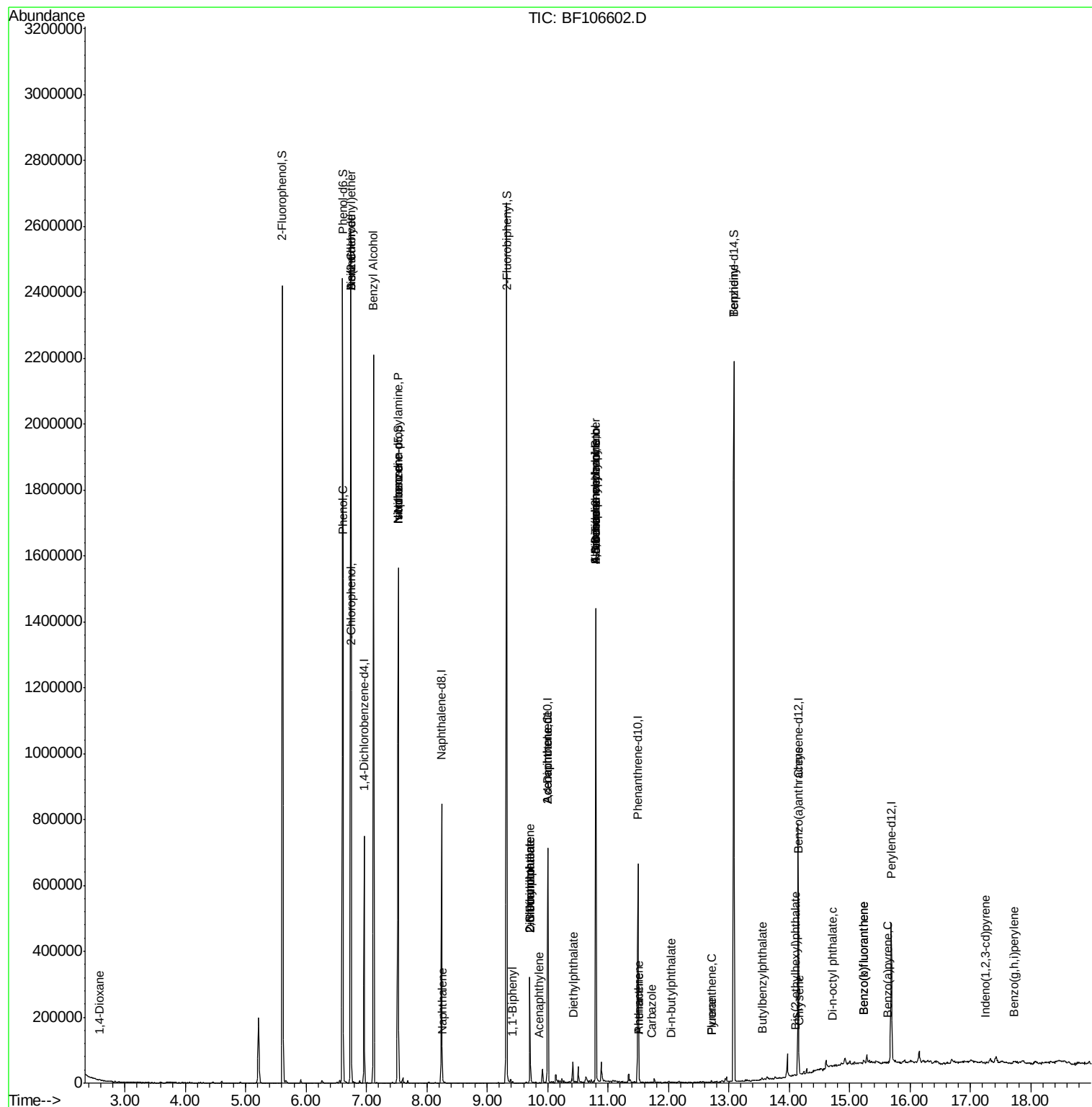
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	14.17	228	2011	0.141	ng	# 96
83) Bis(2-ethylhexyl)phthalate	14.11	149	1490	0.169	ng	# 49
84) Di-n-octyl phthalate	14.72	149	181	0.013	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.25	276	948	0.078	ng	# 60
87) Benzo(b)fluoranthene	15.23	252	3658	0.297	ng	# 72
88) Benzo(k)fluoranthene	15.23	252	3658	0.312	ng	# 75
89) Benzo(a)pyrene	15.62	252	1518	0.139	ng	# 33
91) Benzo(g,h,i)perylene	17.72	276	754	0.083	ng	# 50

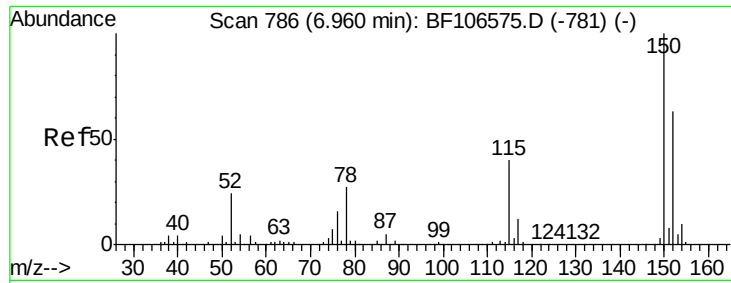
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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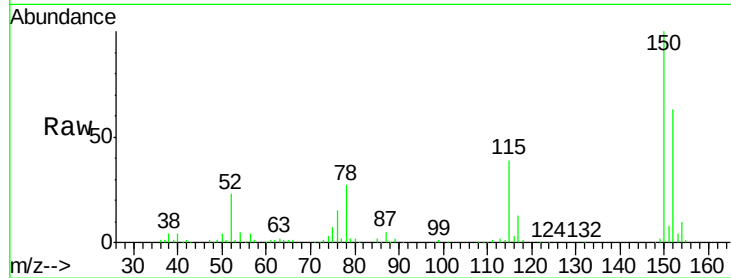


#1

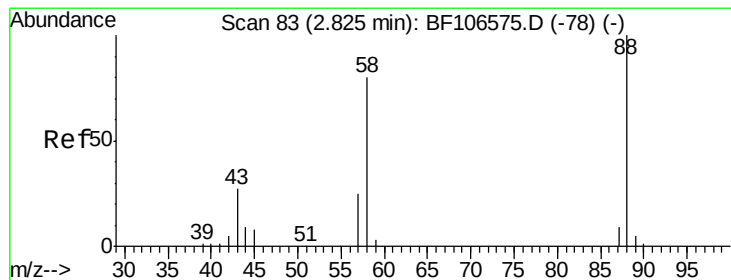
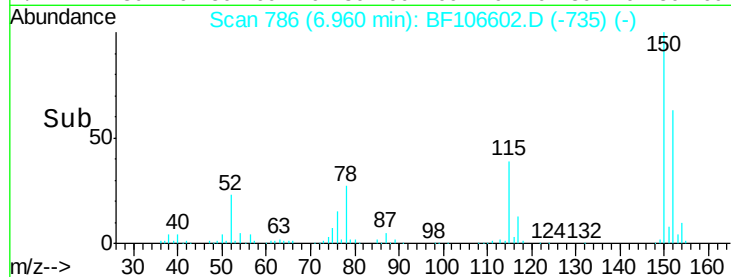
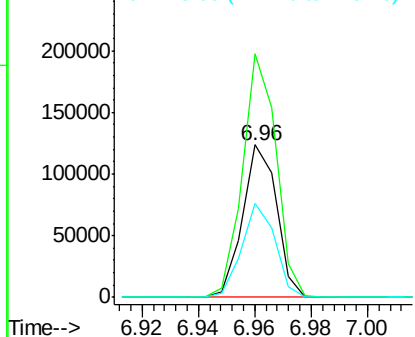
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :
 A-6(3.0)

Tgt Ion: 152 Resp: 103348
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 61.9 50.1 75.1



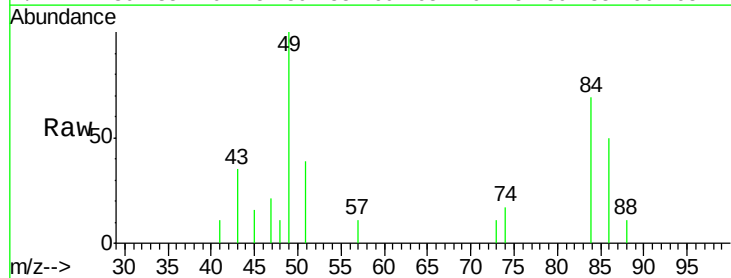
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



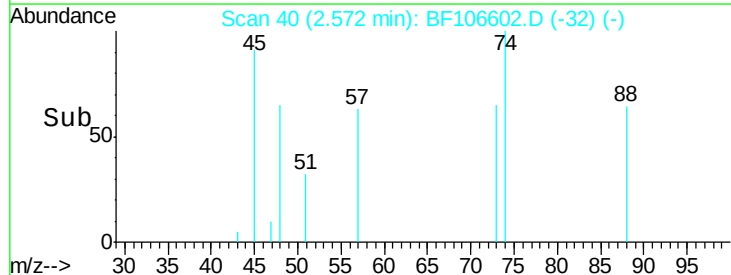
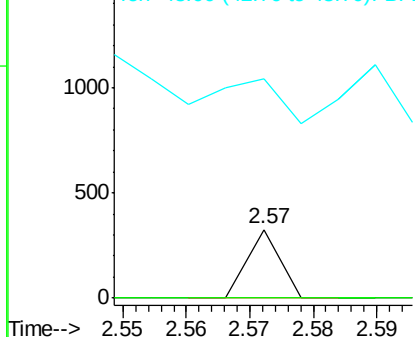
#2

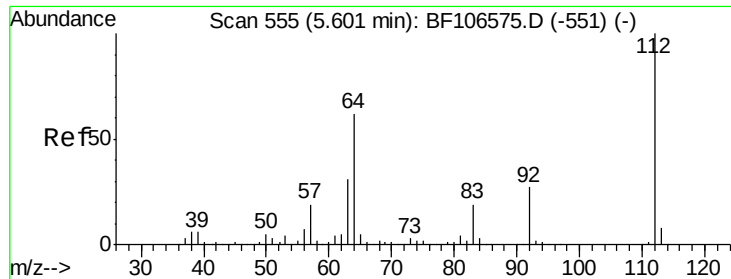
1,4-Dioxane
 Concen: 0.037 ng
 RT: 2.57 min Scan# 40
 Delta R.T. -0.25 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Tgt Ion: 88 Resp: 115
 Ion Ratio Lower Upper
 88 100
 58 0.0 62.6 93.8#
 43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 119.665 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

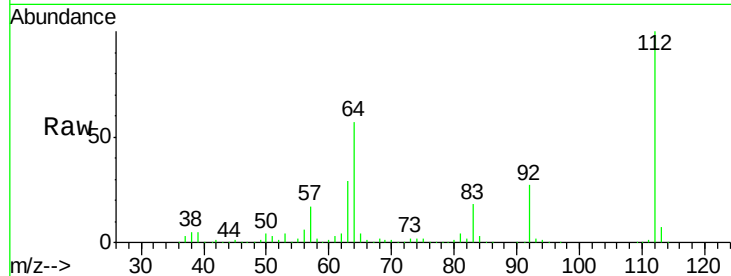
Tgt Ion: 112 Resp: 730351

Ion Ratio Lower Upper

112 100

64 57.0 47.9 71.9

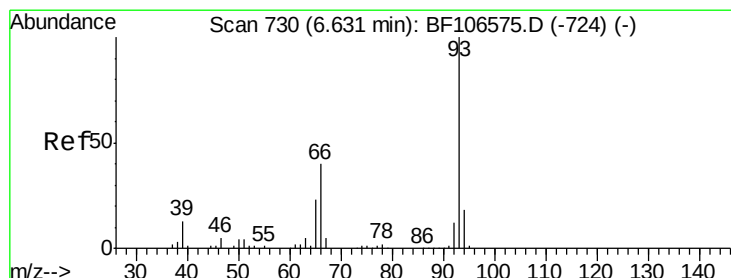
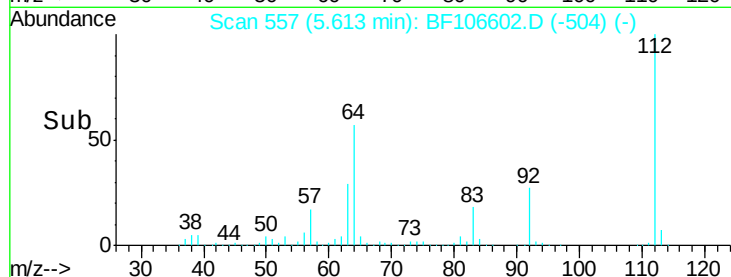
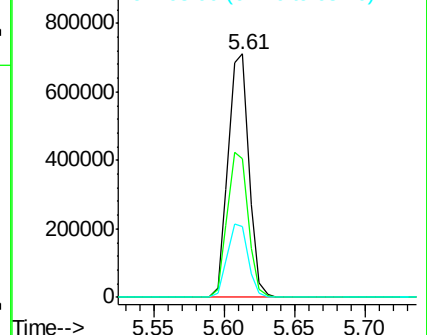
63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.107 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.11 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

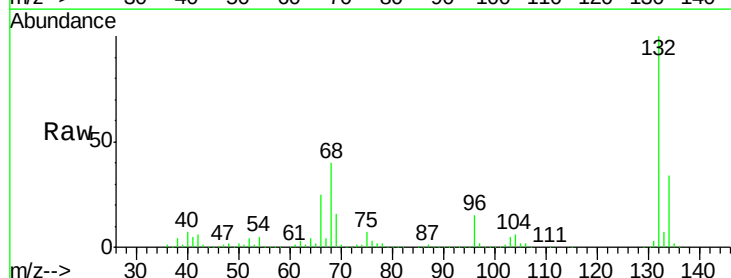
Tgt Ion: 93 Resp: 1102

Ion Ratio Lower Upper

93 100

66 16127.8 32.2 48.2#

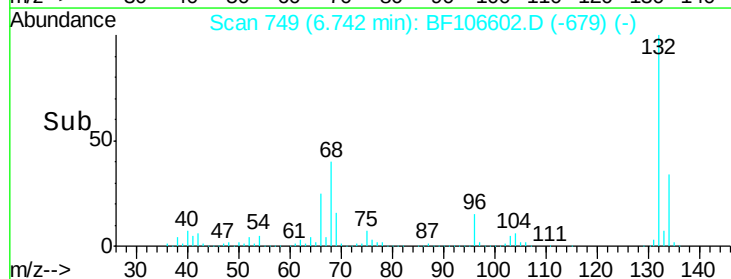
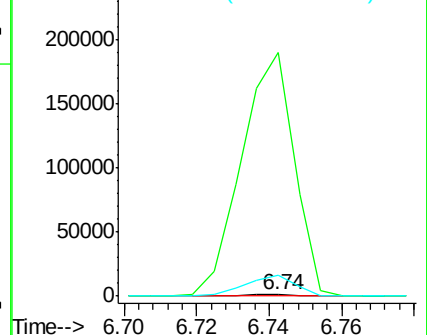
65 1365.1 16.4 24.6#

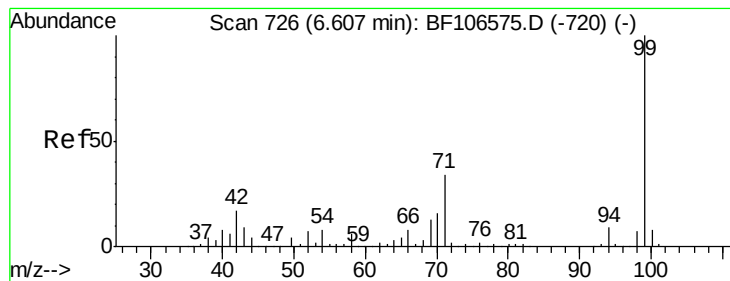


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.026 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

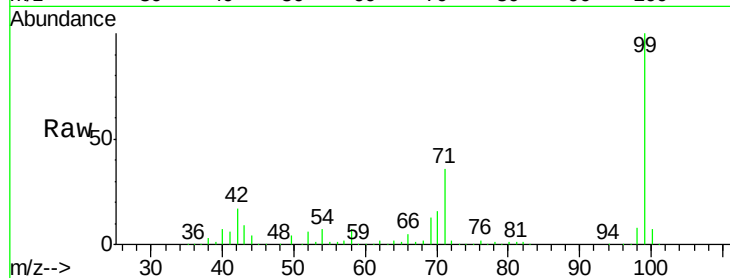
Tgt Ion: 99 Resp: 914817

Ion Ratio Lower Upper

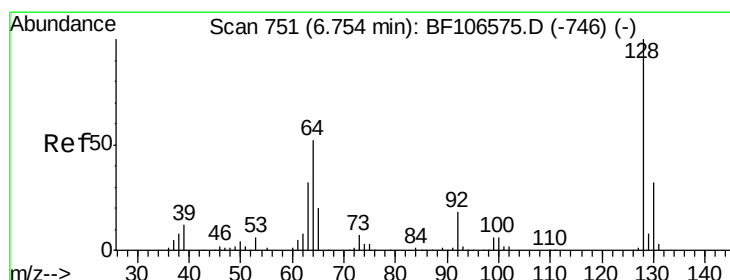
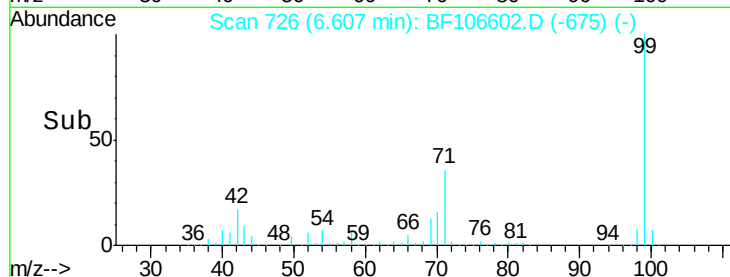
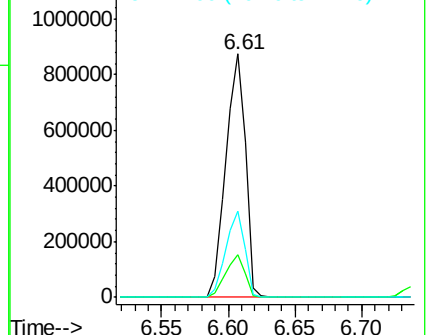
99 100

42 17.3 14.5 21.7

71 35.5 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



#8

2-Chlorophenol

Concen: 0.020 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

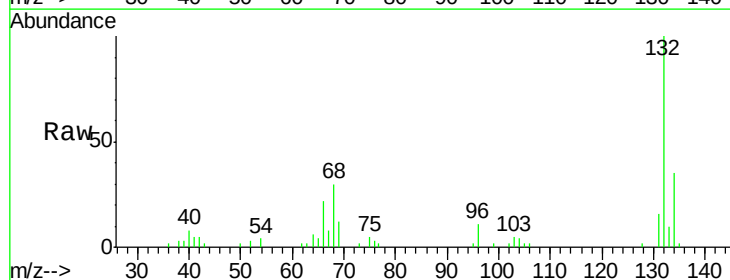
Tgt Ion: 128 Resp: 136

Ion Ratio Lower Upper

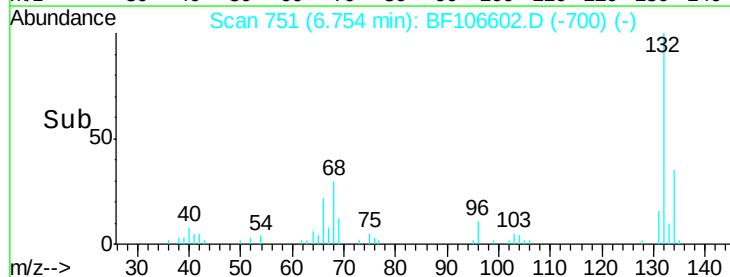
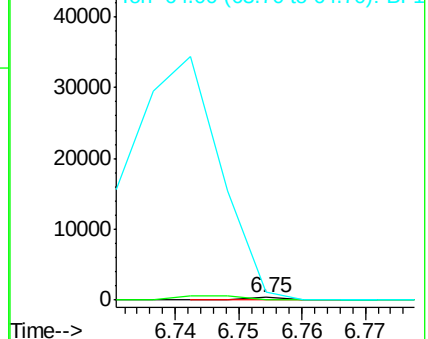
128 100

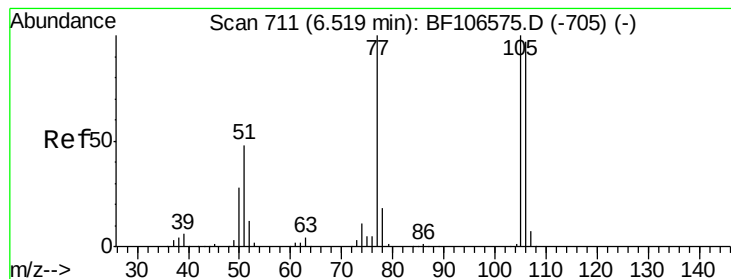
130 0.0 13.0 53.0#

64 306.5 29.4 69.4#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 2.581 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106602.D

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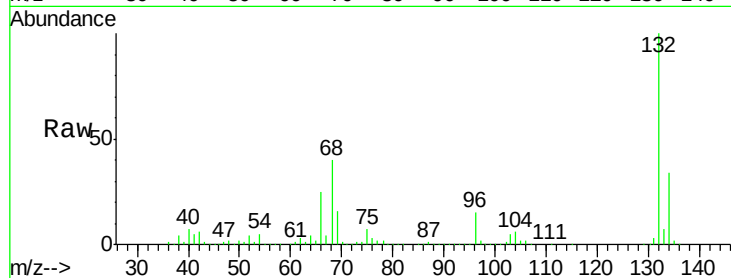
Tgt Ion: 77 Resp: 16594

Ion Ratio Lower Upper

77 100

105 94.6 81.1 121.1

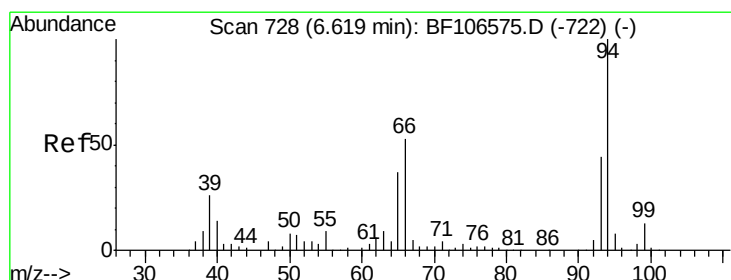
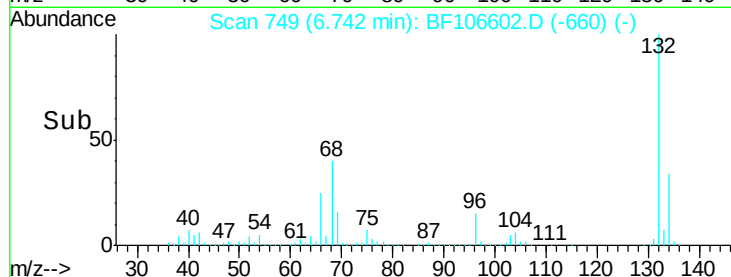
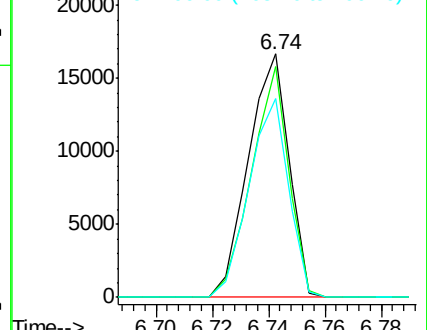
106 81.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 1.031 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

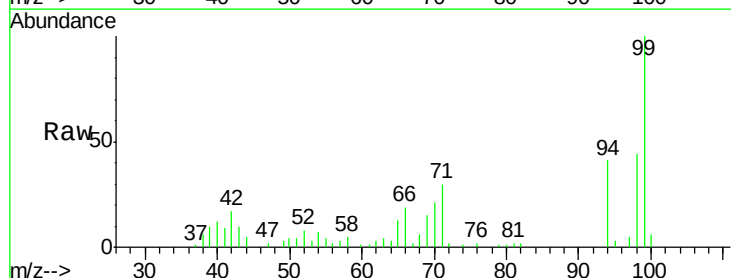
Tgt Ion: 94 Resp: 8968

Ion Ratio Lower Upper

94 100

65 32.8 7.9 47.9

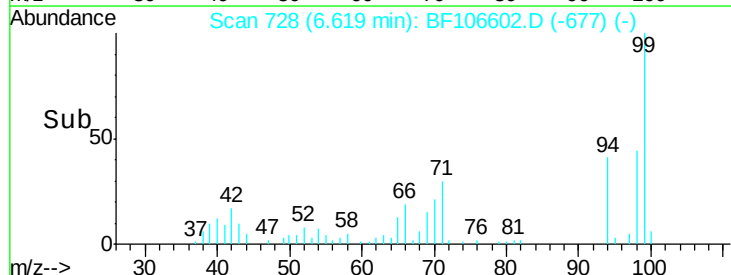
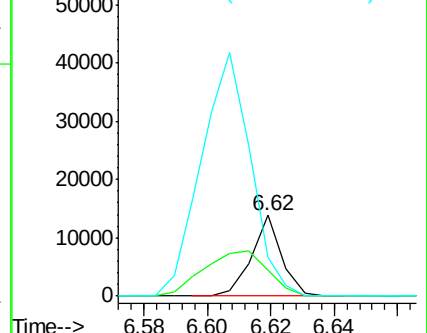
66 47.5 16.2 56.2

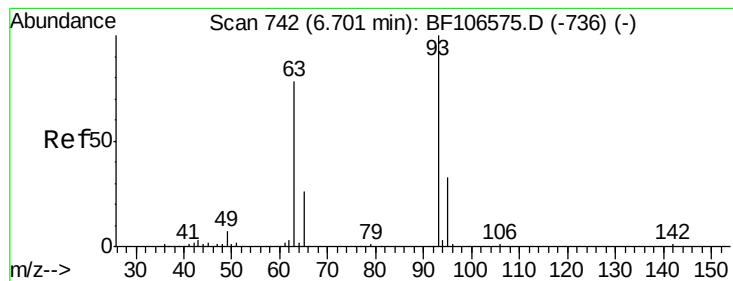


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.153 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.04 min

Lab File: BF106602.D

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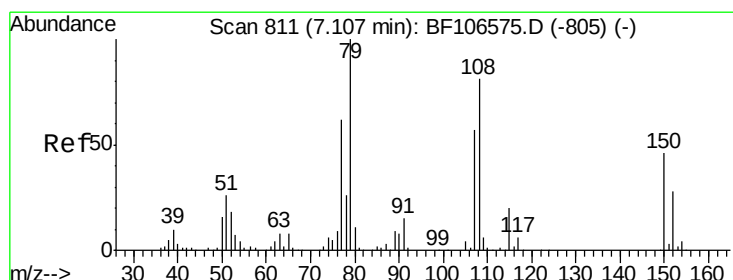
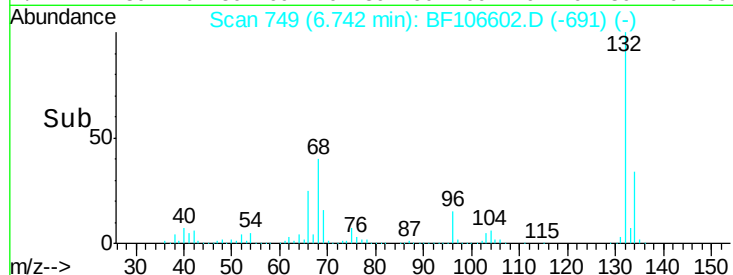
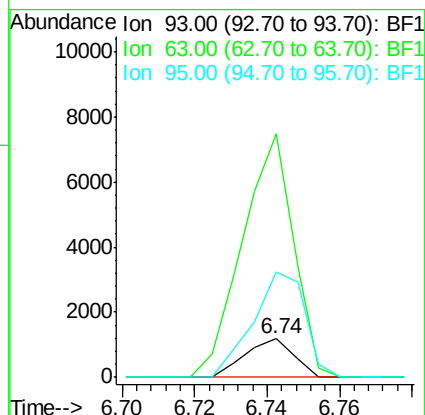
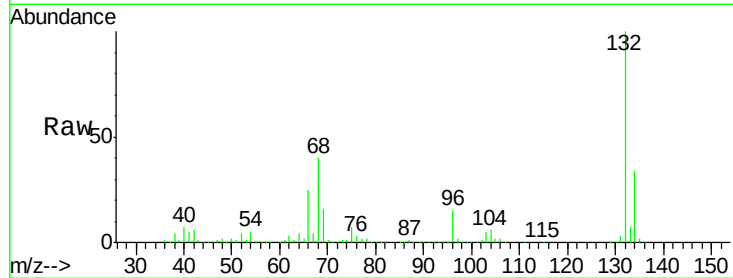
Tgt Ion: 93 Resp: 1102

Ion Ratio Lower Upper

93 100

63 635.5 58.6 98.6#

95 273.7 11.8 51.8#



#15

Benzyl Alcohol

Concen: 1.573 ng

RT: 7.12 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

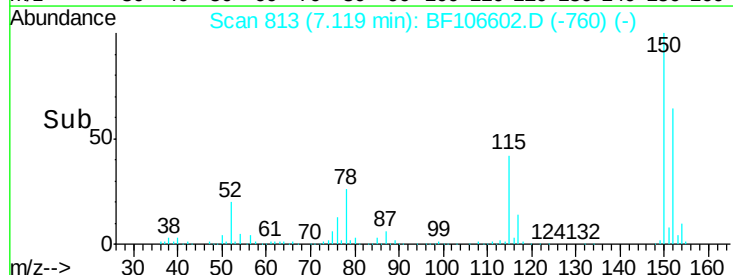
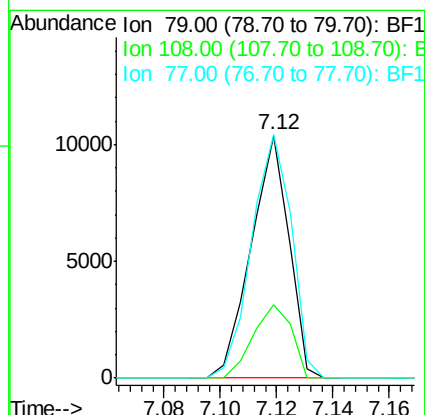
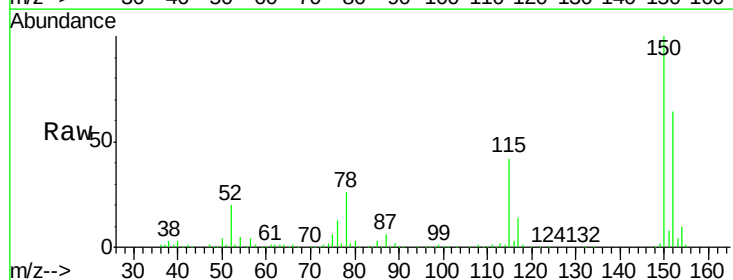
Tgt Ion: 79 Resp: 9625

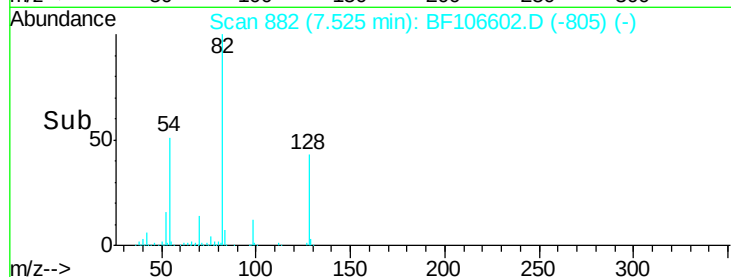
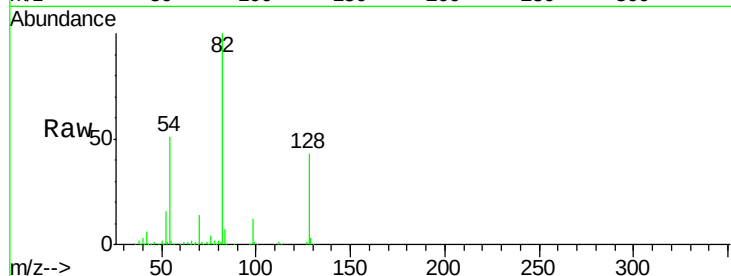
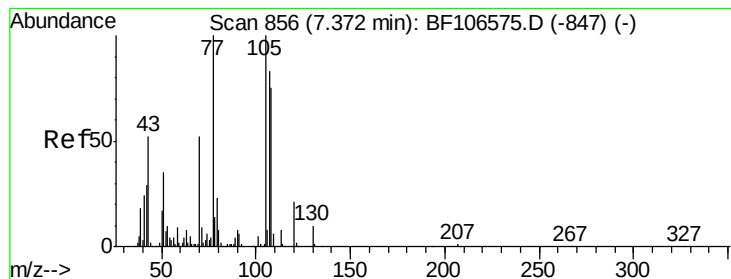
Ion Ratio Lower Upper

79 100

108 30.5 65.1 97.7#

77 100.4 50.6 75.8#





#19

n-Nitroso-di-n-propylamine

Concen: 16.470 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

Tgt Ion: 70 Resp: 82747

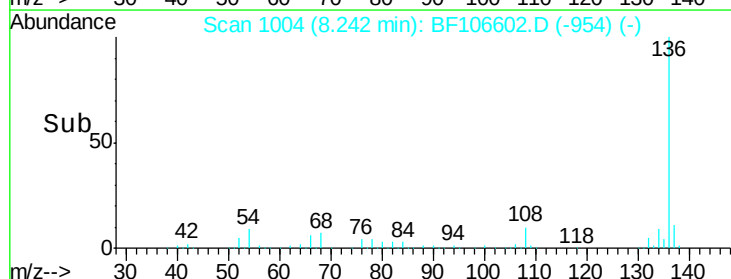
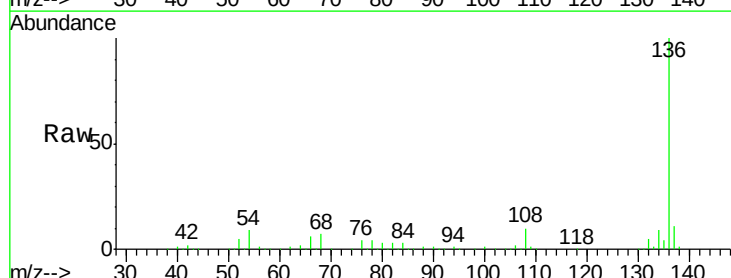
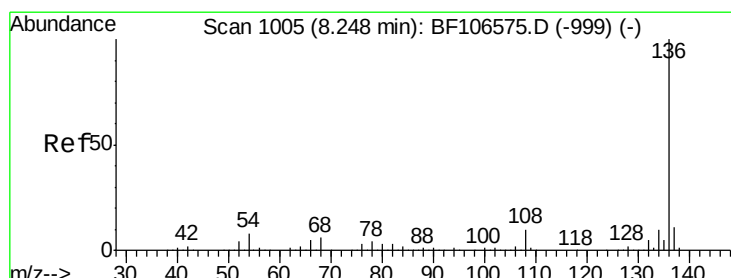
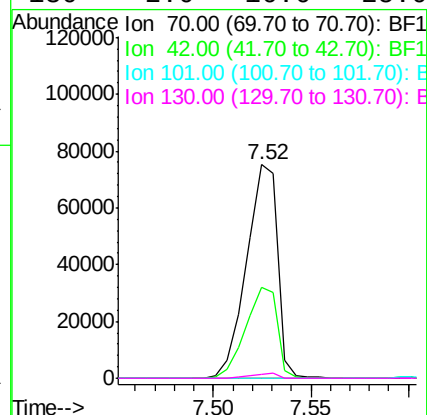
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Tgt Ion: 136 Resp: 359945

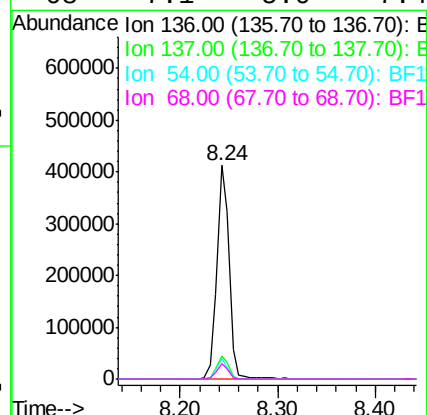
Ion Ratio Lower Upper

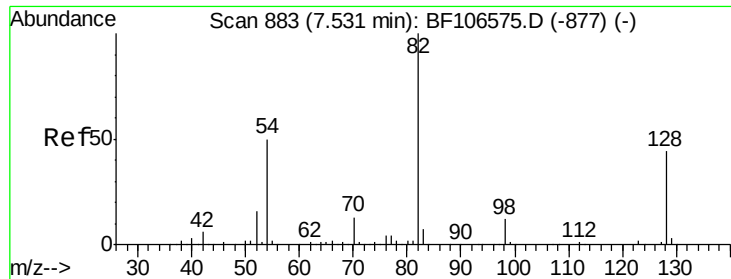
136 100

137 11.1 8.9 13.3

54 9.3 6.6 9.8

68 7.1 5.0 7.4

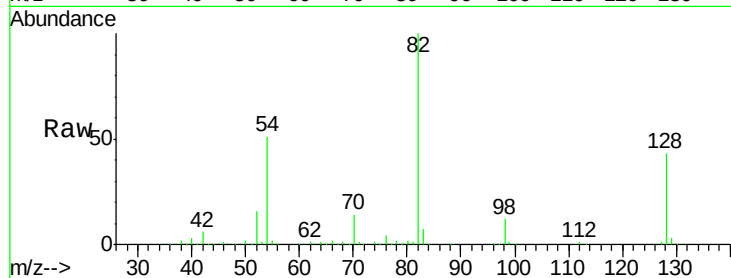




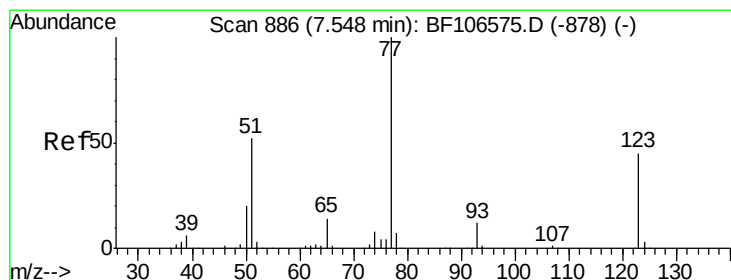
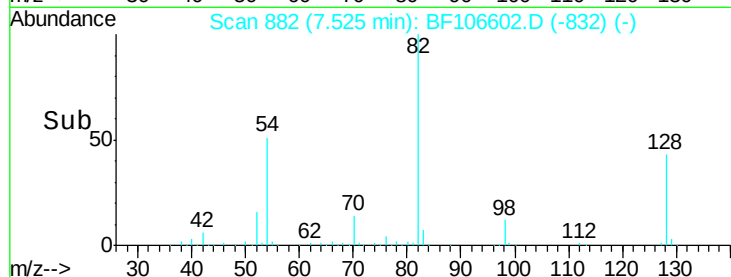
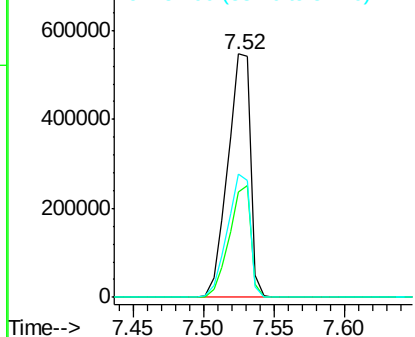
#23
Nitrobenzene-d5
Concen: 94.812 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Instrument :
BNA_F
ClientSampleId :
A-6(3.0)

Tgt Ion: 82 Resp: 614089
Ion Ratio Lower Upper
82 100
128 43.2 36.1 54.1
54 50.8 41.4 62.2

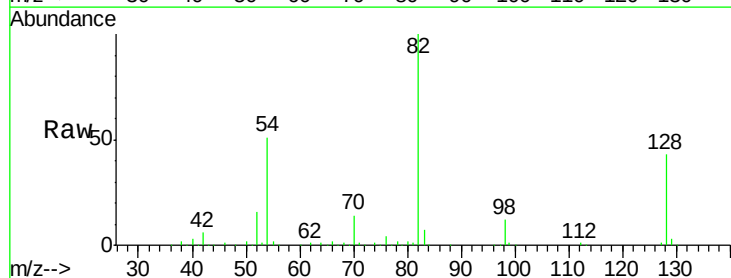


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

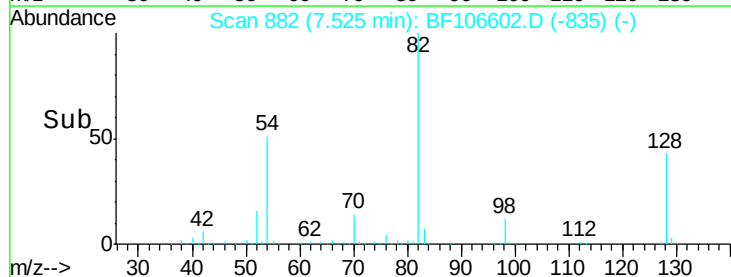
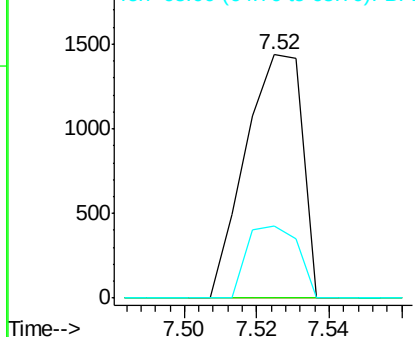


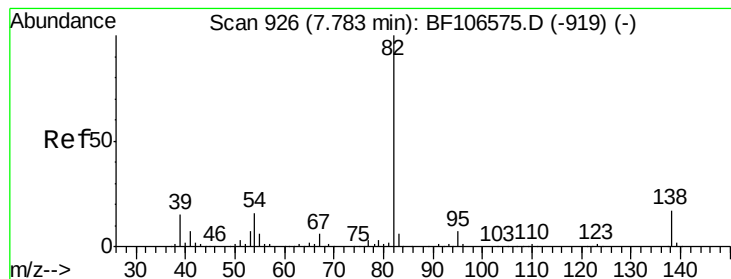
#24
Nitrobenzene
Concen: 0.236 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Tgt Ion: 77 Resp: 1559
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 29.6 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 53.804 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

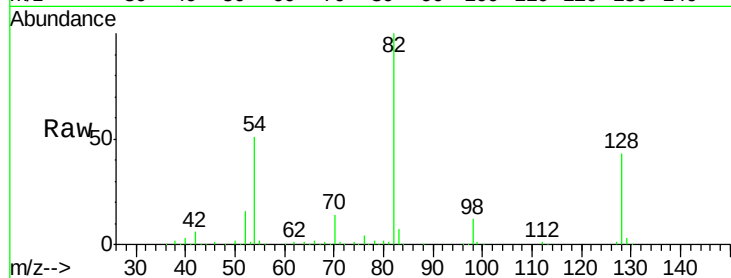
Tgt Ion: 82 Resp: 614078

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

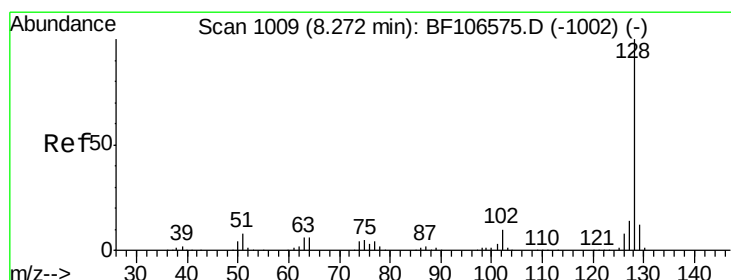
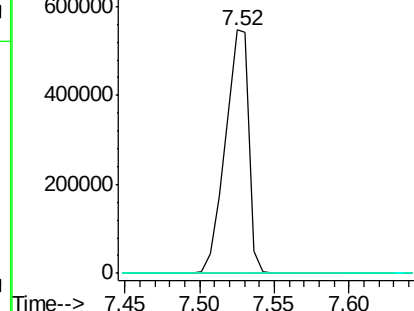
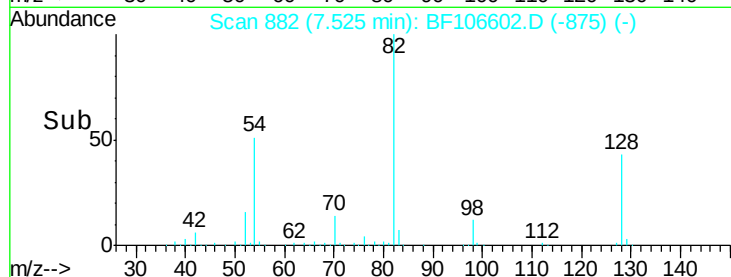
138 0.0 14.9 22.3#



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: 0.007 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

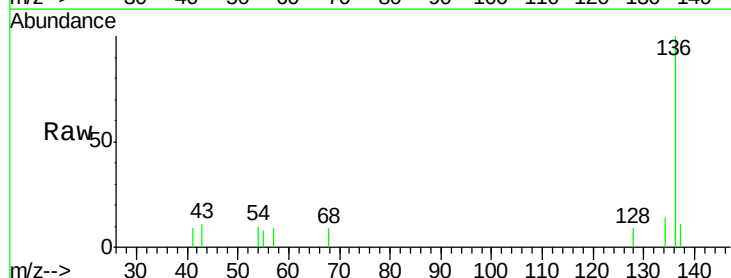
Tgt Ion: 128 Resp: 123

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

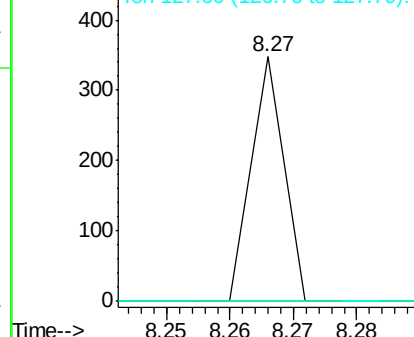
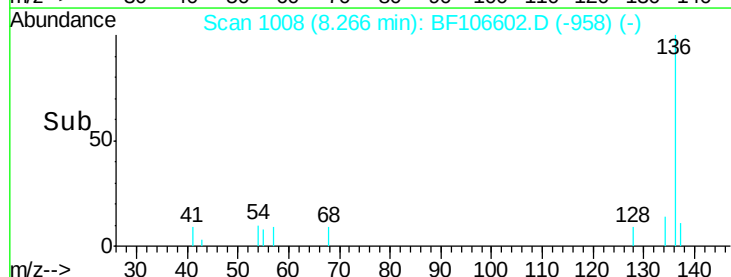
127 0.0 10.9 16.3#

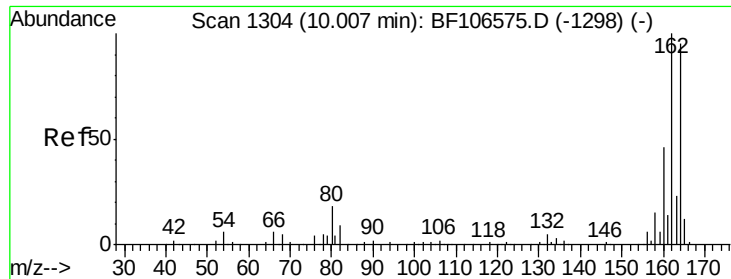


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

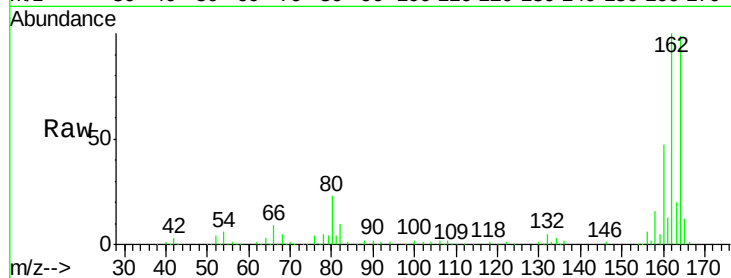
Tgt Ion:164 Resp: 144021

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

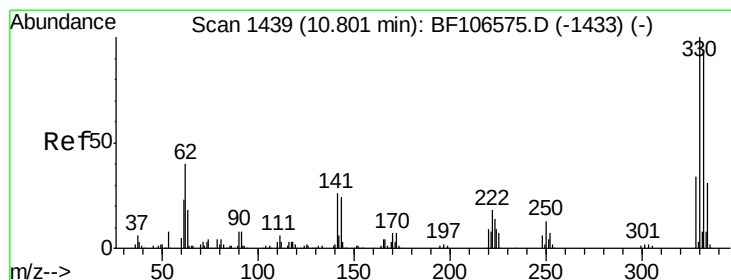
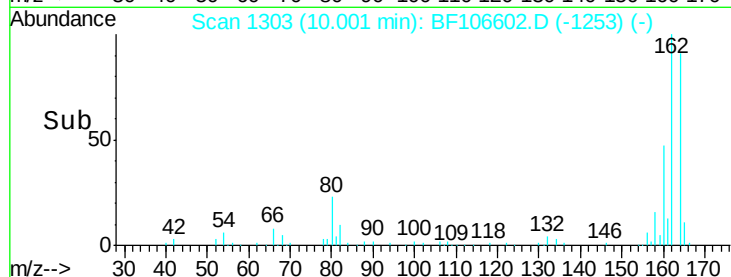
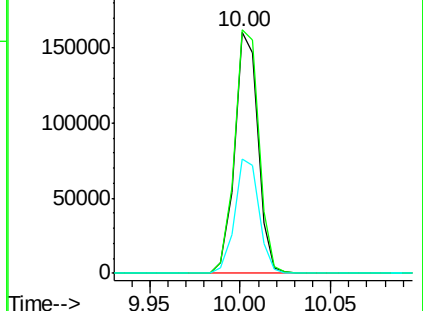
160 47.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 114.917 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

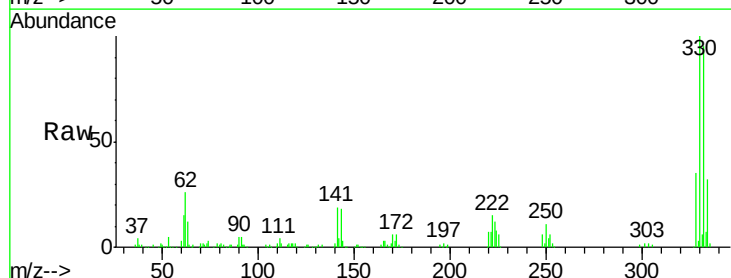
Tgt Ion:330 Resp: 191824

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

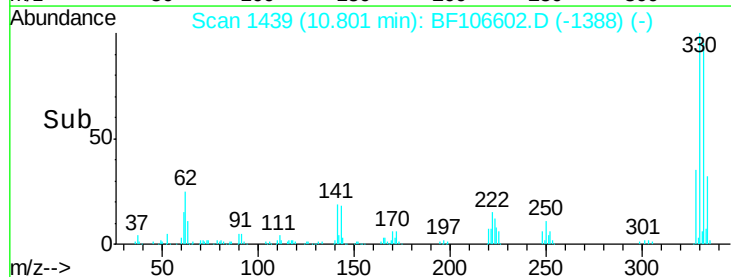
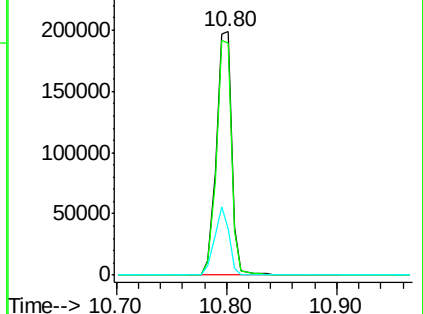
141 26.3 29.9 44.9#

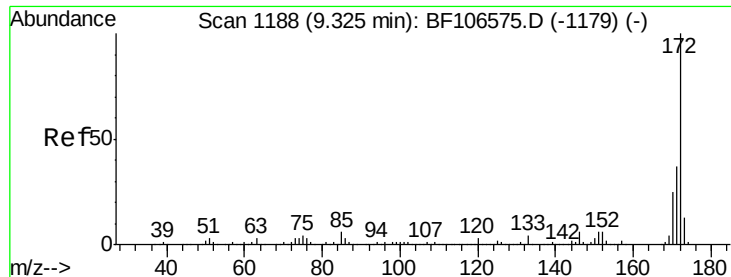


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

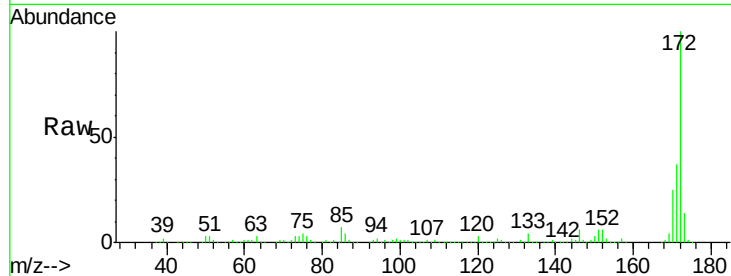




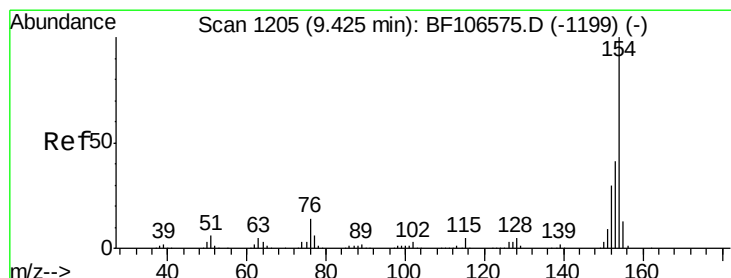
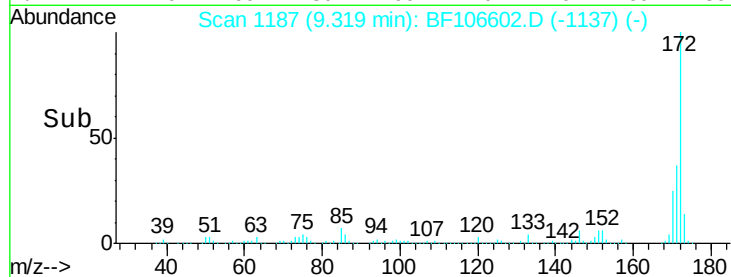
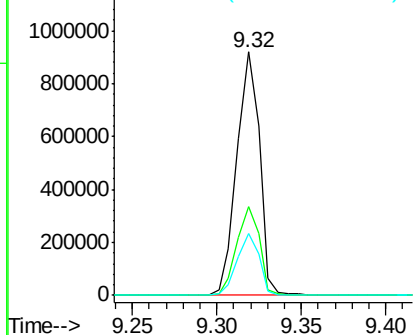
#44
 2-Fluorobiphenyl
 Concen: 105.118 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :
 A-6(3.0)

Tgt Ion:172 Resp: 864711
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 25.4 19.6 29.4

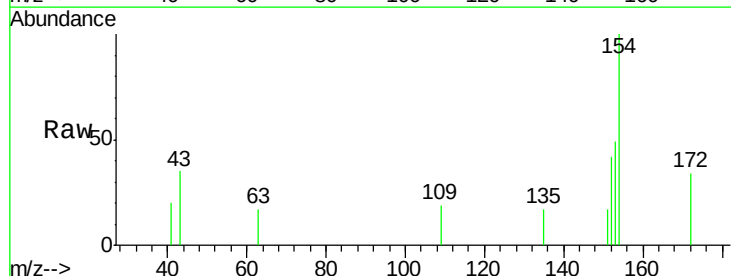


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

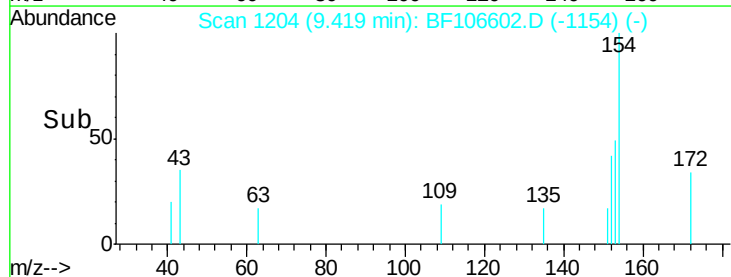
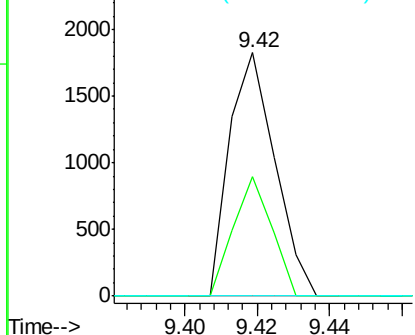


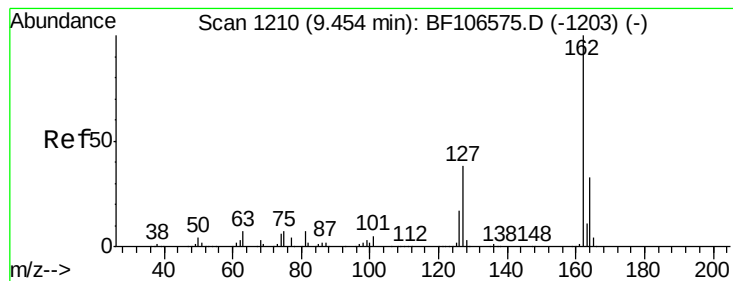
#45
 1,1'-Biphenyl
 Concen: 0.139 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Tgt Ion:154 Resp: 1593
 Ion Ratio Lower Upper
 154 100
 153 49.3 21.3 61.3
 76 0.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#46

2-Chloronaphthalene

Concen: 0.078 ng

RT: 9.71 min Scan# 1253

Delta R.T. 0.25 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

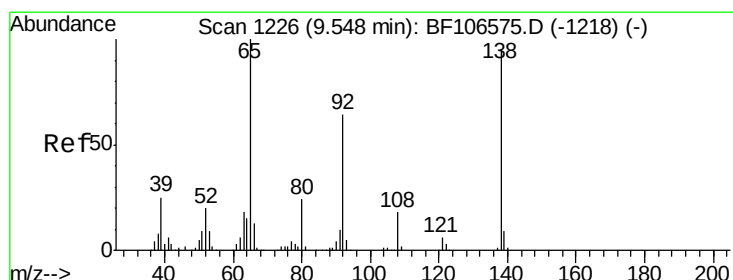
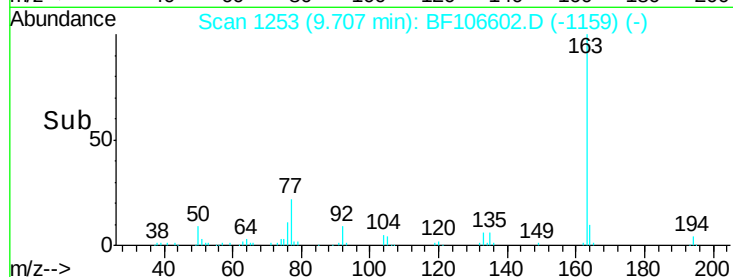
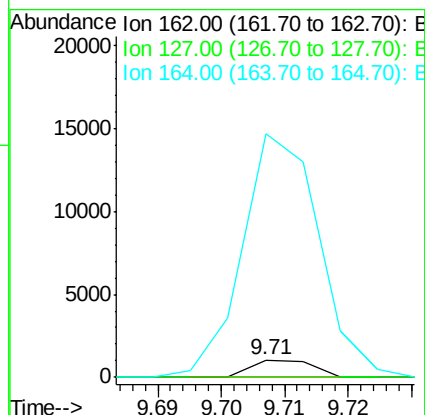
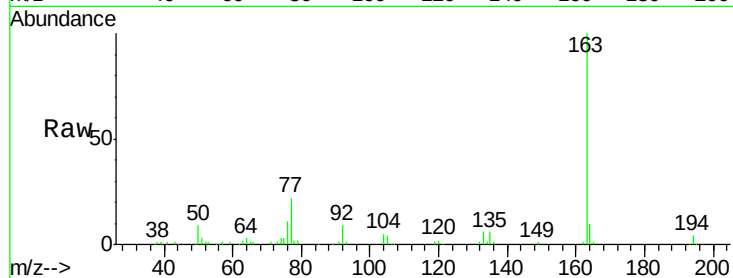
Tgt Ion: 162 Resp: 708

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

164 1383.0 26.5 39.7#



#47

2-Nitroaniline

Concen: 0.423 ng

RT: 9.71 min Scan# 1253

Delta R.T. 0.16 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

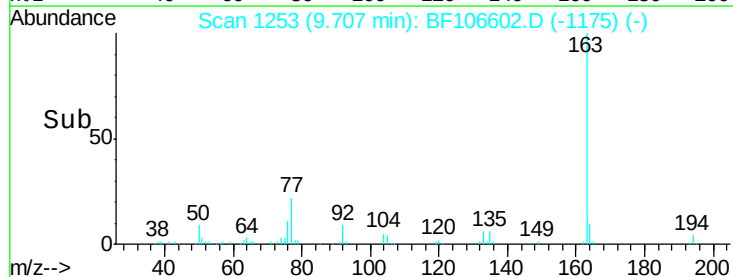
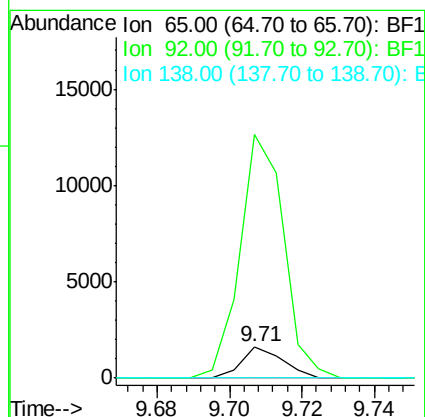
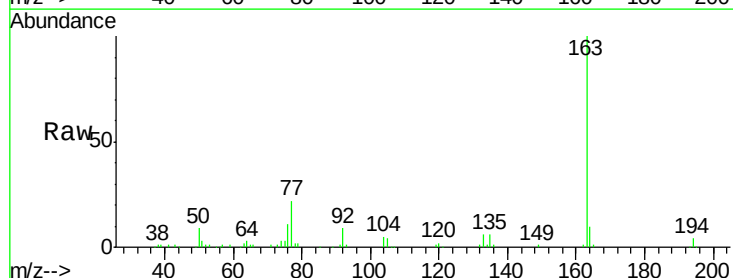
Tgt Ion: 65 Resp: 1285

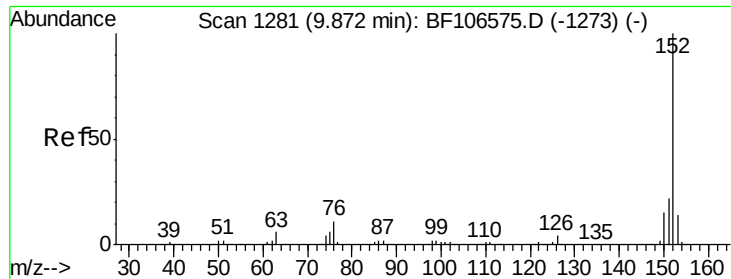
Ion Ratio Lower Upper

65 100

92 777.3 55.8 83.6#

138 0.0 91.2 136.8#





#48

Acenaphthylene

Concen: 0.067 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampled :

A-6(3.0)

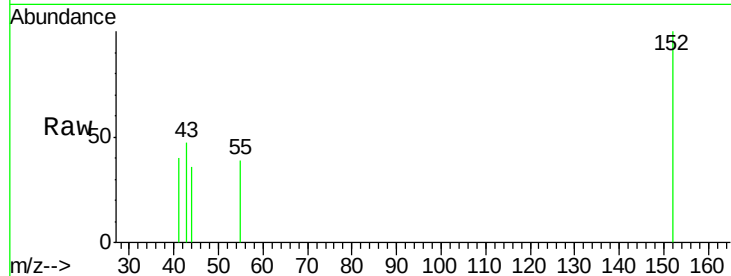
Tgt Ion:152 Resp: 950

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

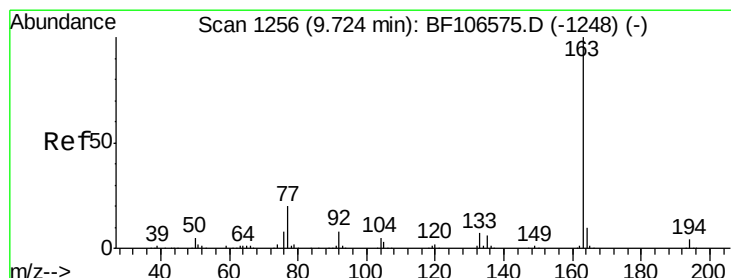
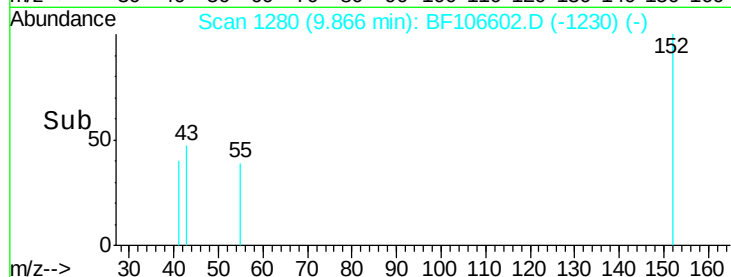
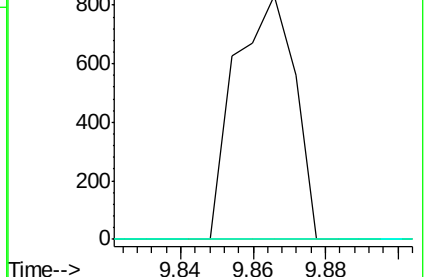
153 0.0 10.7 16.1#



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: 11.389 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

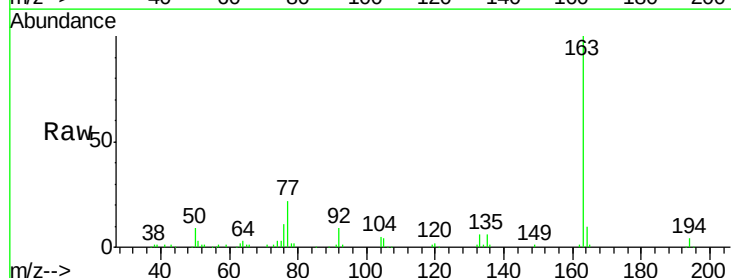
Tgt Ion:163 Resp: 123016

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

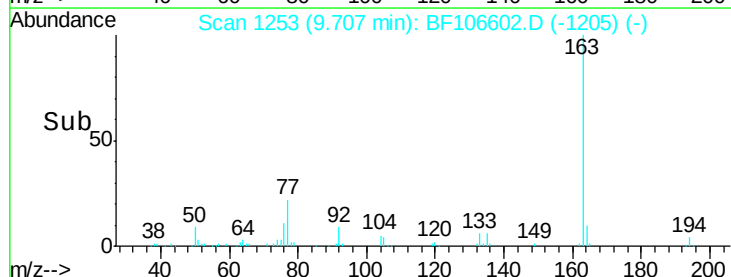
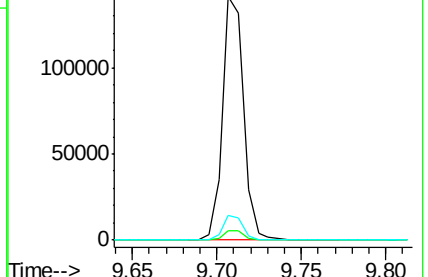
164 10.4 8.2 12.2

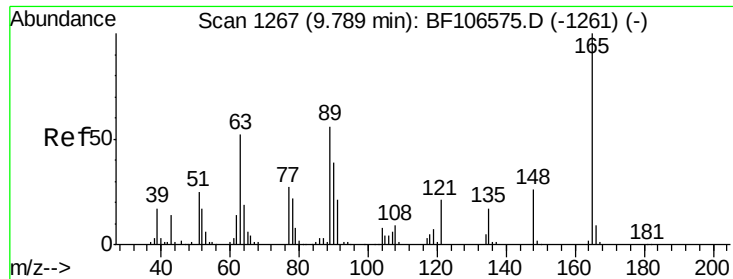


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

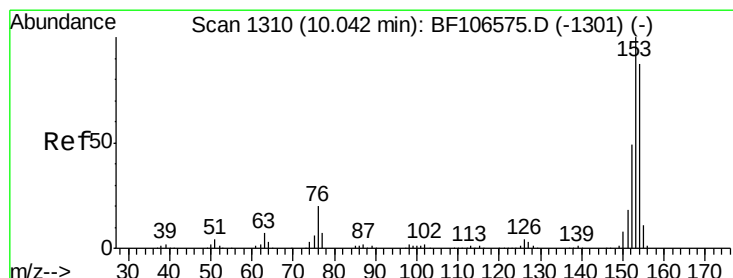
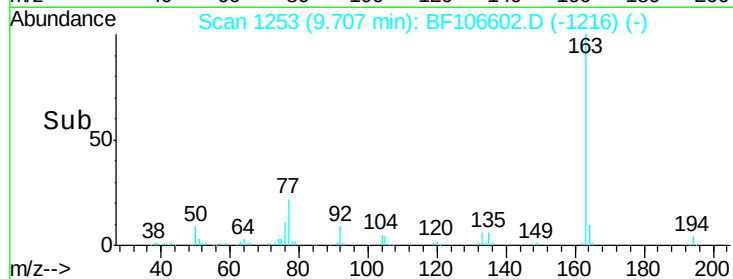
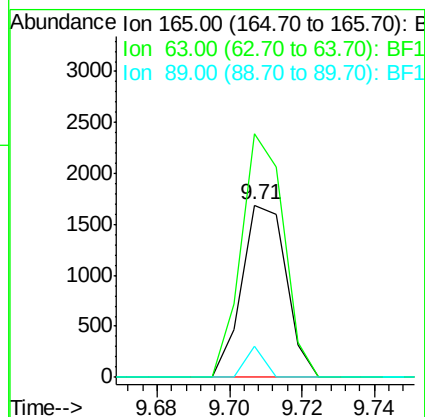
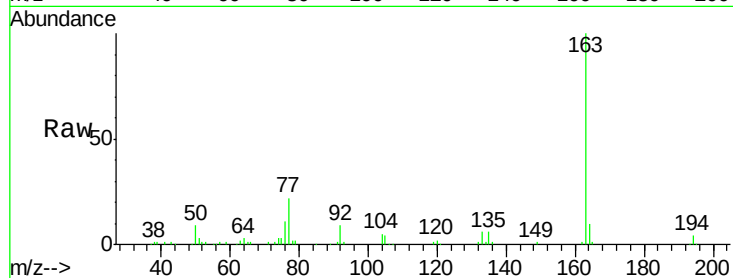




#50
 2,6-Dinitrotoluene
 Concen: 0.629 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.08 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

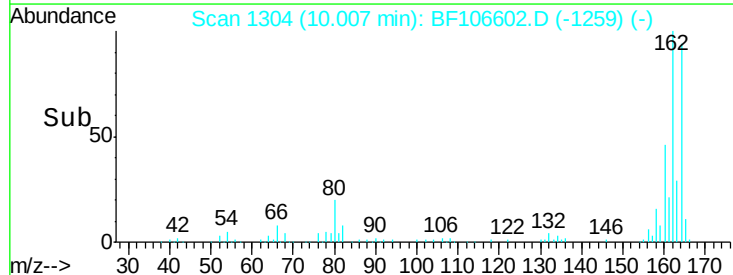
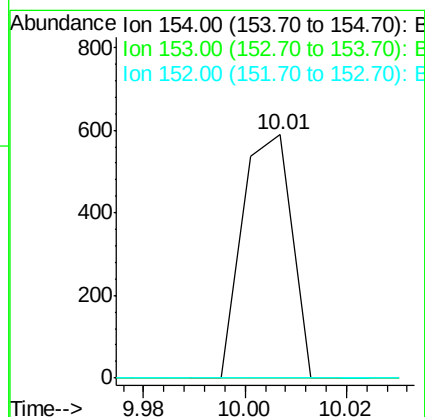
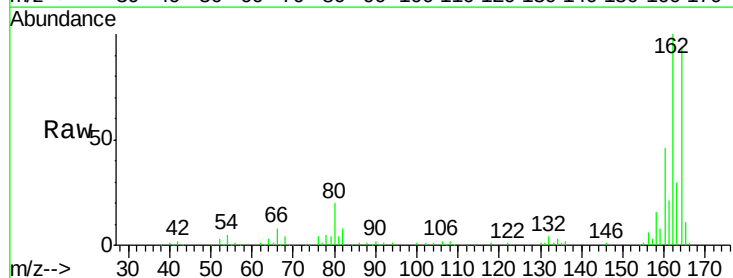
Instrument :
 BNA_F
 ClientSampleId :
 A-6(3.0)

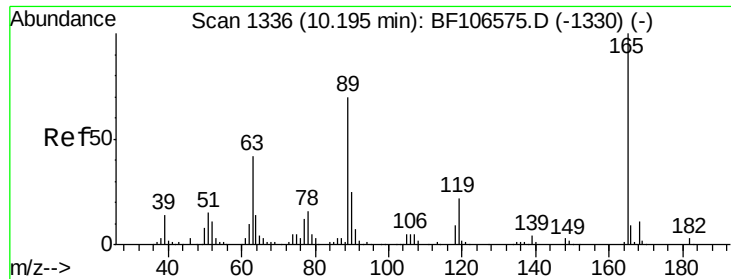
Tgt Ion:165 Resp: 1438
 Ion Ratio Lower Upper
 165 100
 63 141.5 44.7 67.1#
 89 18.1 44.0 66.0#



#51
 Acenaphthene
 Concen: 0.044 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.04 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Tgt Ion:154 Resp: 397
 Ion Ratio Lower Upper
 154 100
 153 0.0 91.2 136.8#
 152 0.0 43.8 65.8#

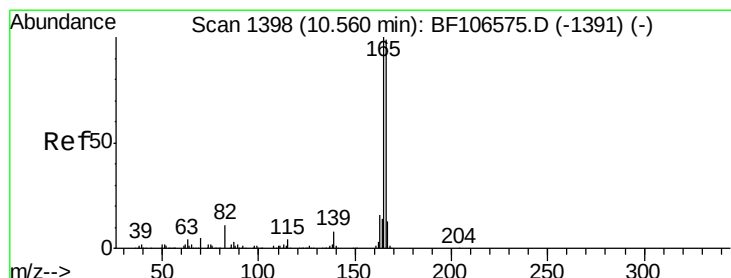
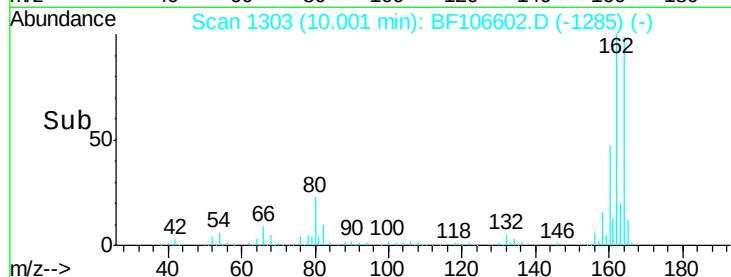
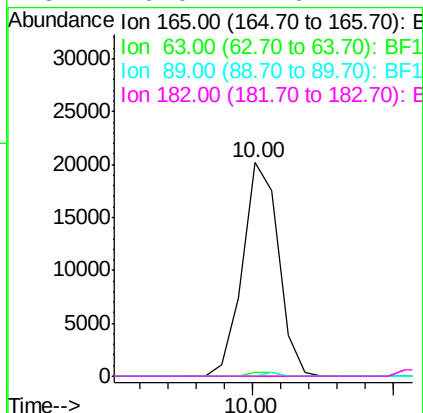
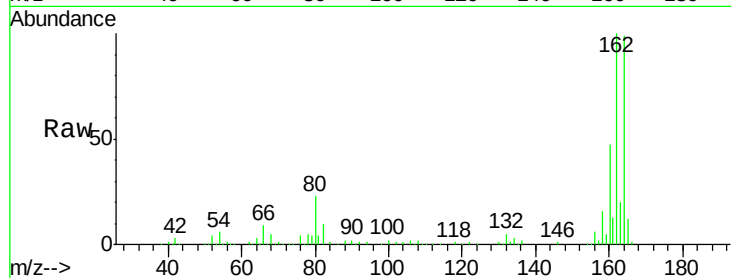




#56
 2,4-Dinitrotoluene
 Concen: 5.968 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

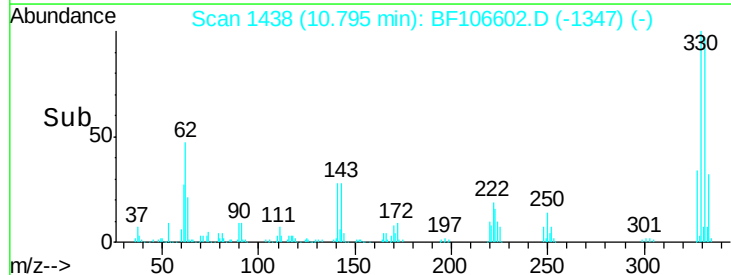
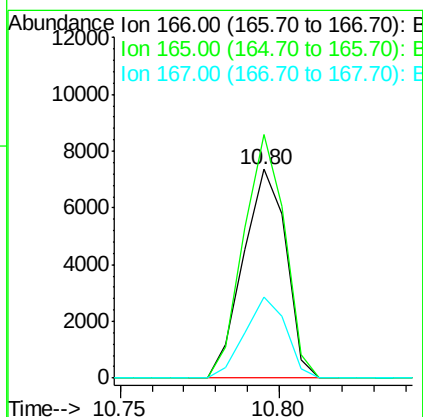
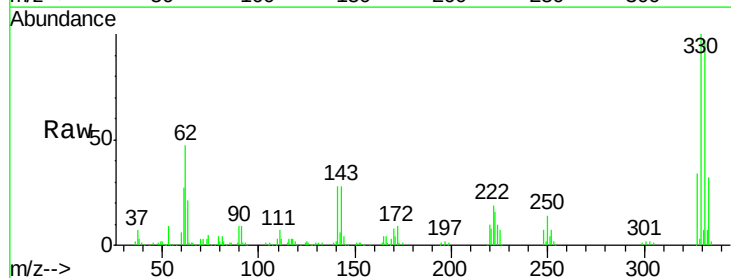
Instrument :
 BNA_F
 ClientSampleId :
 A-6(3.0)

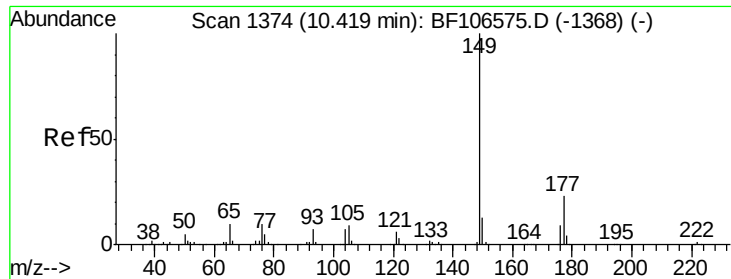
Tgt Ion:	165	Resp:	17818
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
 Fluorene
 Concen: 0.706 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. 0.24 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Tgt Ion:	166	Resp:	6886
Ion	Ratio	Lower	Upper
166	100		
165	116.7	79.8	119.8
167	38.6	10.6	16.0#

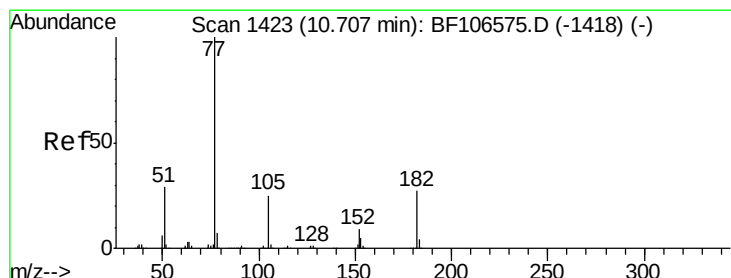
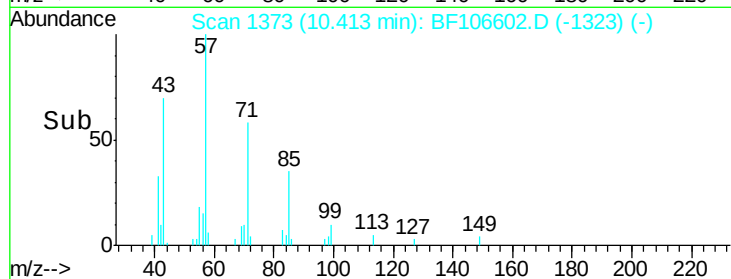
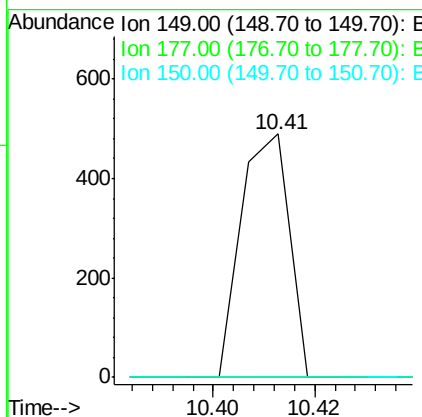
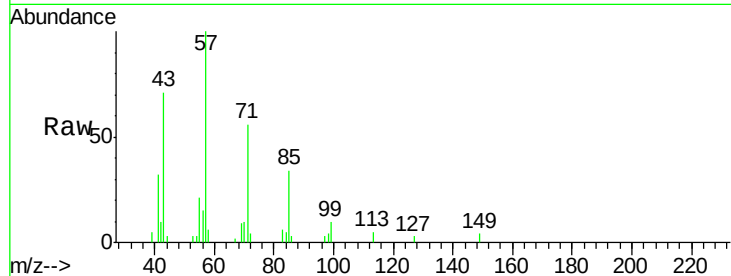




#59
Diethylphthalate
Concen: 0.031 ng
RT: 10.41 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

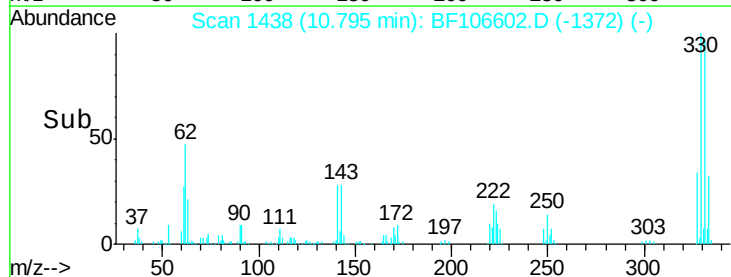
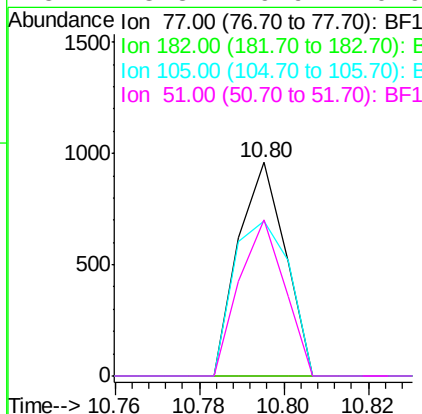
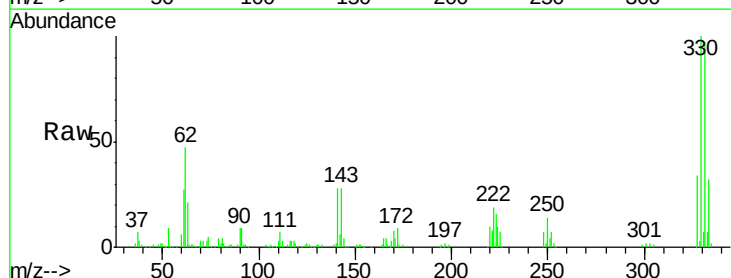
Instrument :
BNA_F
ClientSampleId :
A-6(3.0)

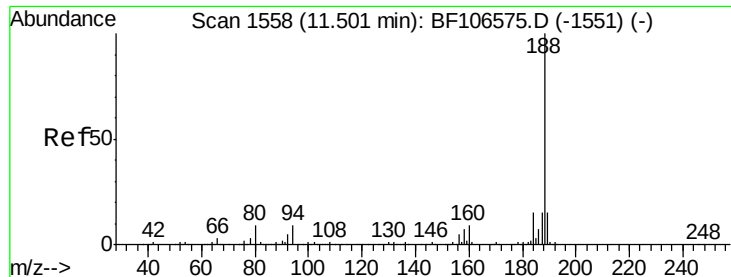
Tgt Ion: 149 Resp: 326
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.072 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.09 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Tgt Ion: 77 Resp: 739
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 72.8 3.0 43.0#
51 73.3 9.9 49.9#

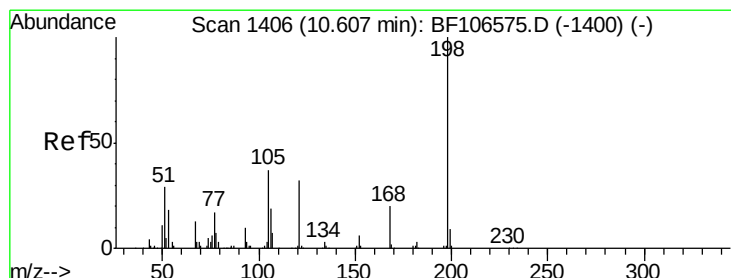
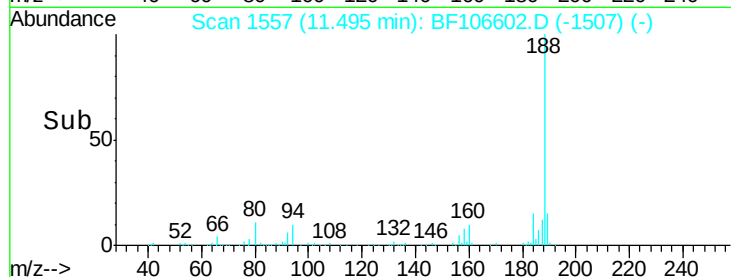
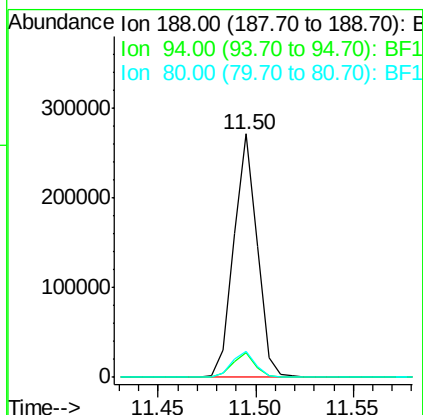
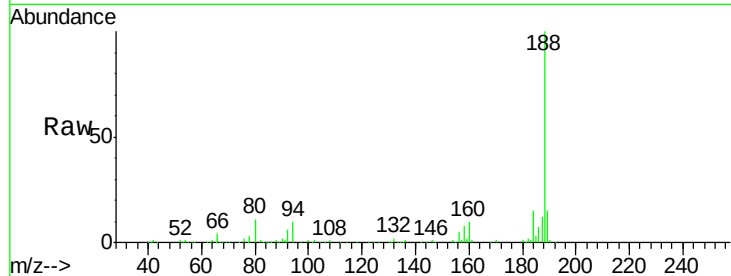




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

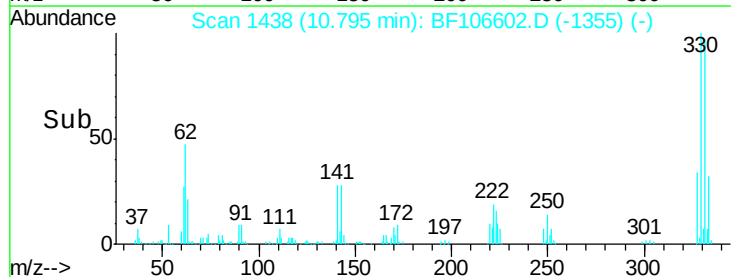
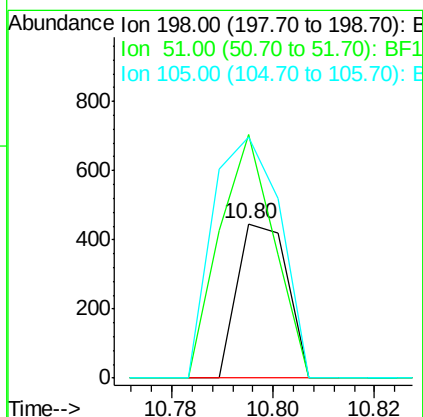
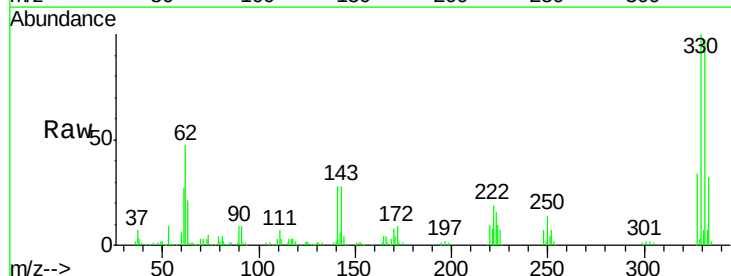
Instrument :
BNA_F
ClientSampleId :
A-6(3.0)

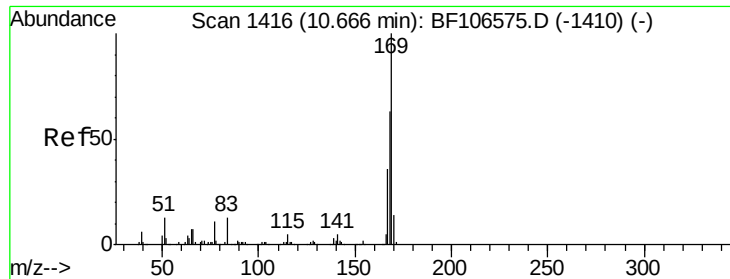
Tgt Ion:188 Resp: 226361
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 0.219 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Tgt Ion:198 Resp: 306
Ion Ratio Lower Upper
198 100
51 157.8 37.7 77.7#
105 156.7 36.3 76.3#

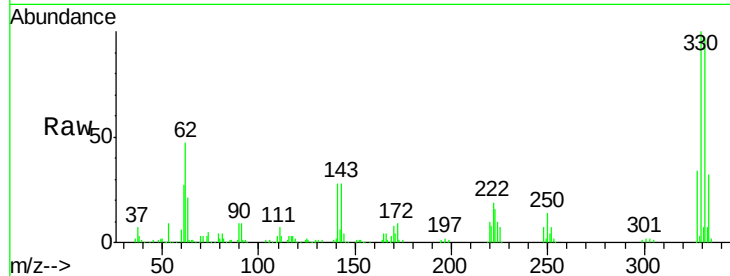




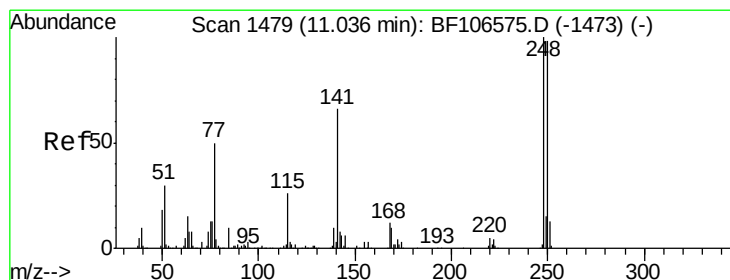
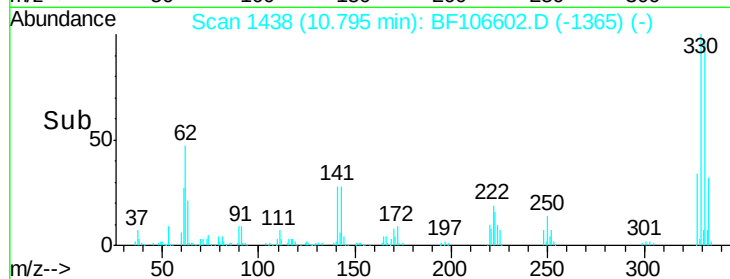
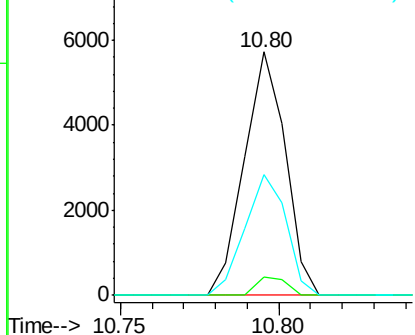
#65
 n-Nitrosodiphenylamine
 Concen: 0.677 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. 0.13 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :
 A-6(3.0)

Tgt Ion:169 Resp: 5151
 Ion Ratio Lower Upper
 169 100
 168 7.5 54.4 81.6#
 167 49.5 29.8 44.6#

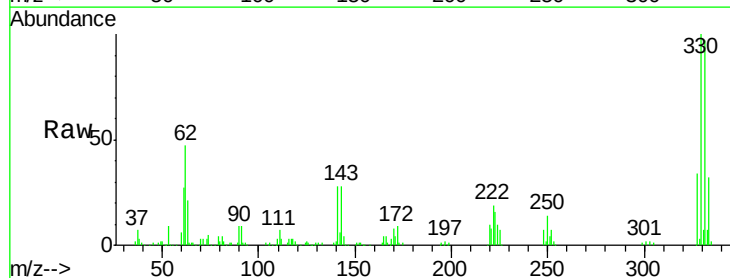


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

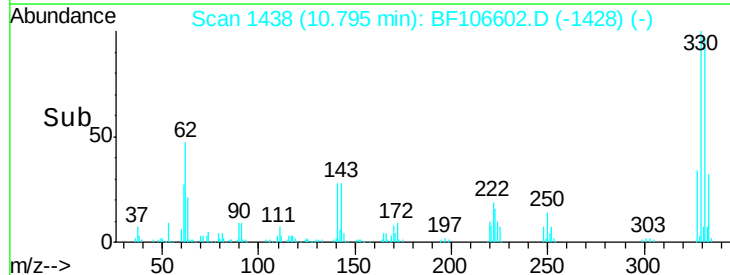
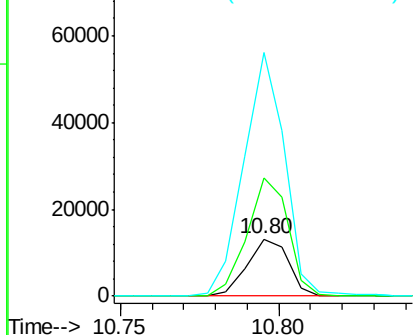


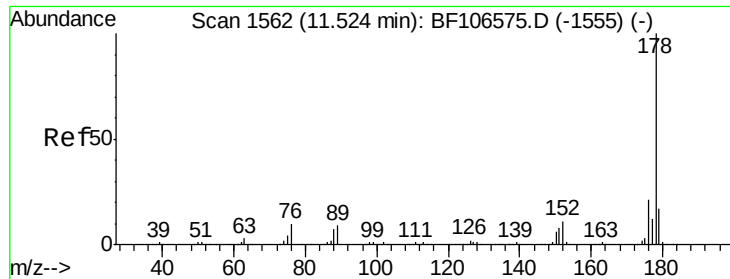
#66
 4-Bromophenyl-phenylether
 Concen: 4.366 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF106602.D
 Acq: 20 Jun 2018 00:16

Tgt Ion:248 Resp: 11796
 Ion Ratio Lower Upper
 248 100
 250 207.6 76.9 115.3#
 141 429.0 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: 0.139 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

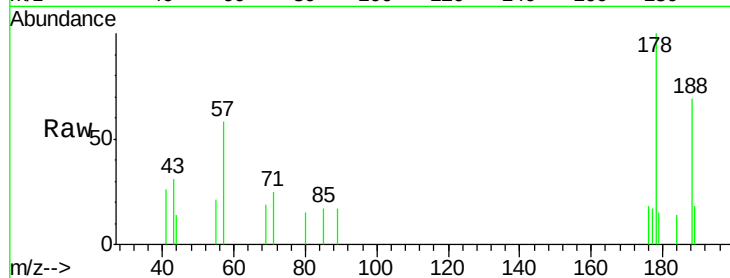
Tgt Ion:178 Resp: 1513

Ion Ratio Lower Upper

178 100

176 17.6 15.8 23.8

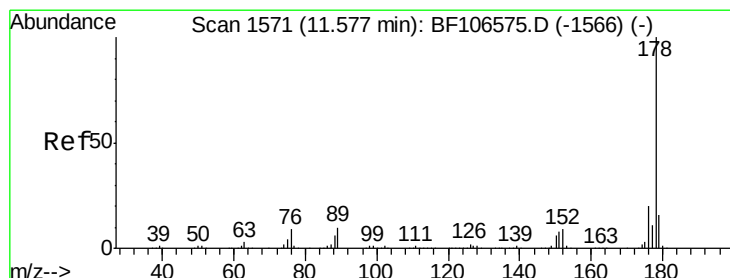
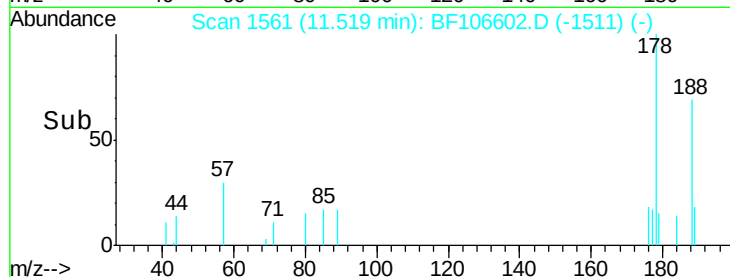
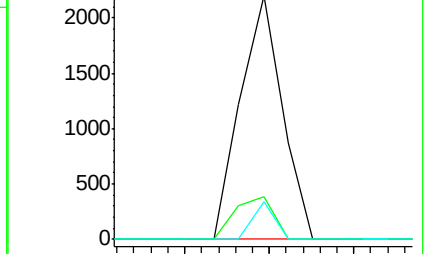
179 15.2 13.0 19.6



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: 0.136 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.06 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

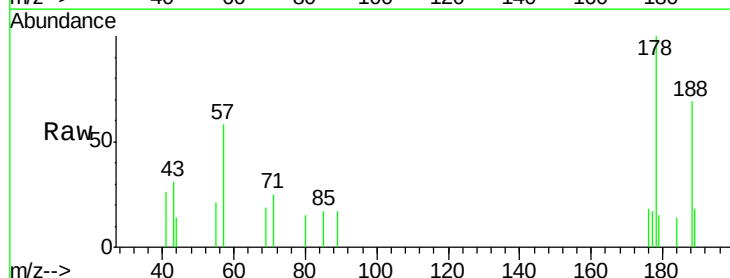
Tgt Ion:178 Resp: 1513

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

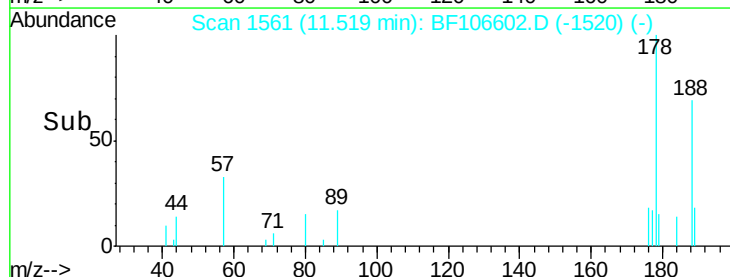
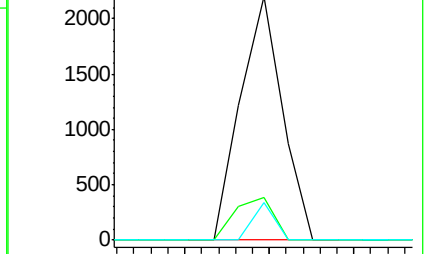
179 15.2 12.6 19.0

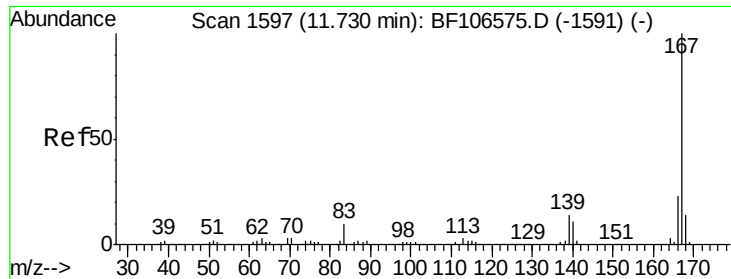


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.016 ng

RT: 11.73 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

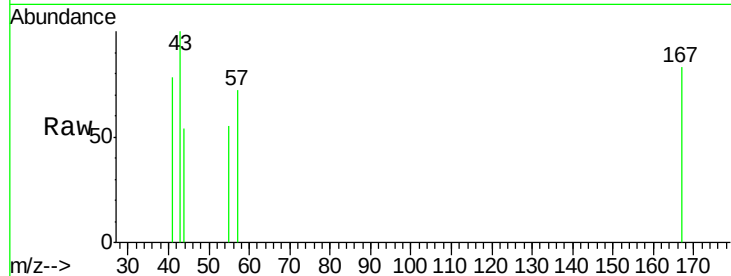
Tgt Ion:167 Resp: 163

Ion Ratio Lower Upper

167 100

166 0.0 17.6 26.4#

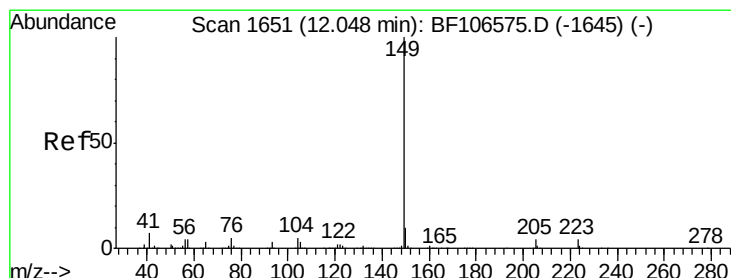
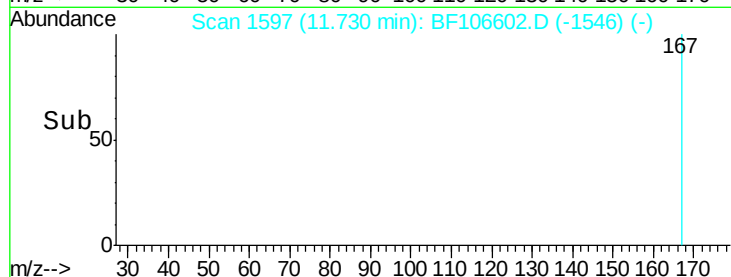
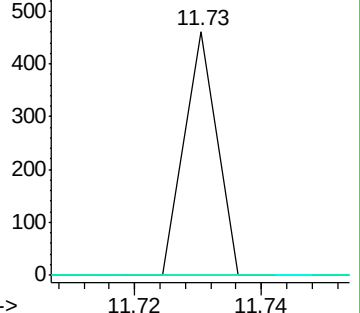
139 0.0 10.9 16.3#



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



#73

Di-n-butylphthalate

Concen: 0.087 ng

RT: 12.04 min Scan# 1650

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

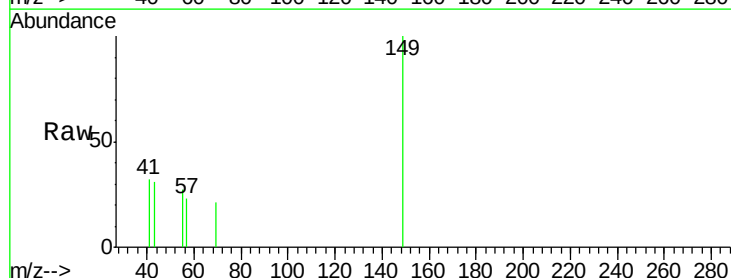
Tgt Ion:149 Resp: 1069

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

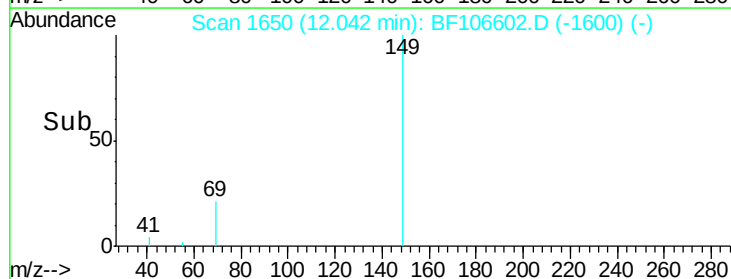
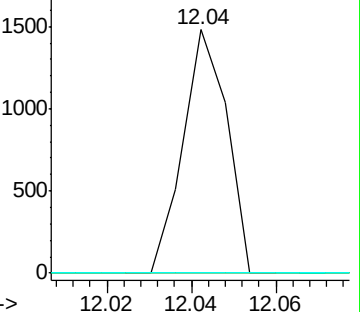
104 0.0 3.8 5.8#

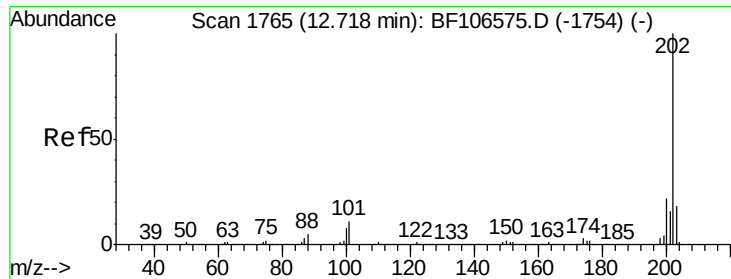


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

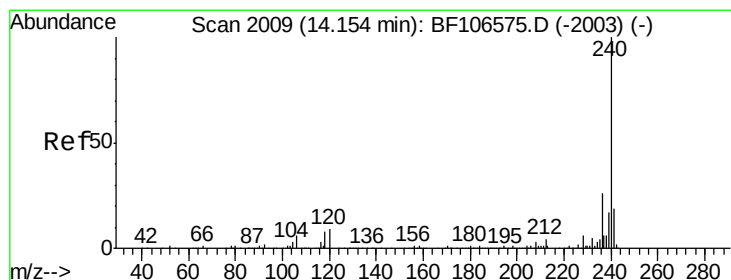
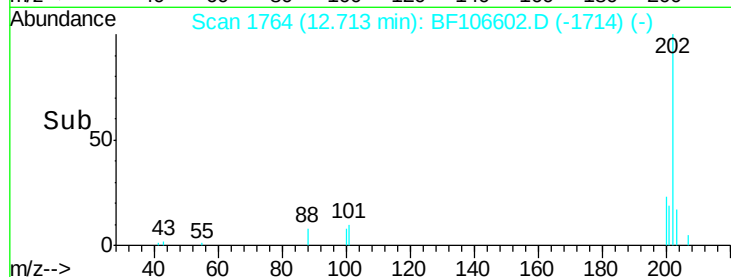
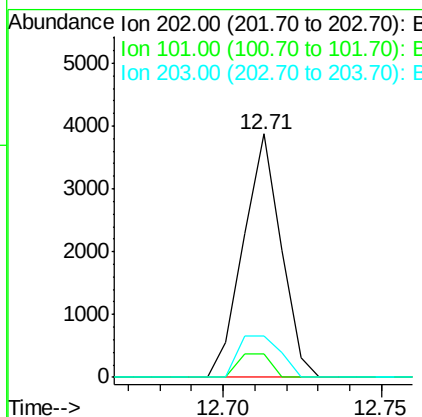
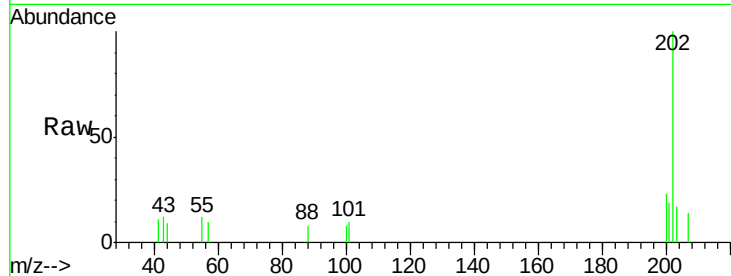




#74
Fluoranthene
Concen: 0.266 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

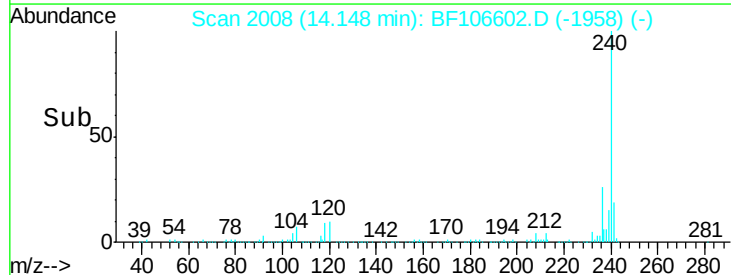
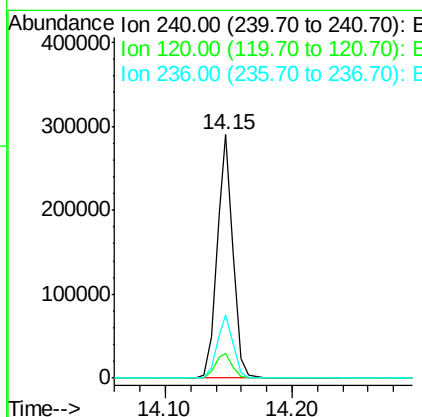
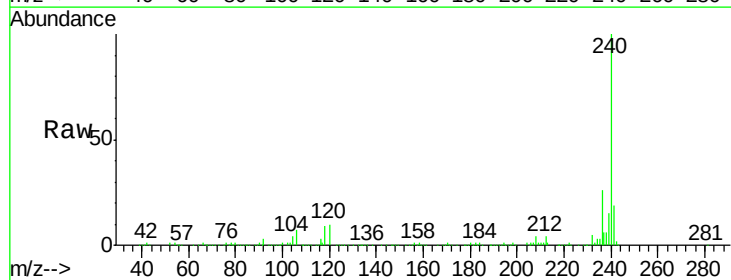
Instrument :
BNA_F
ClientSampleId :
A-6(3.0)

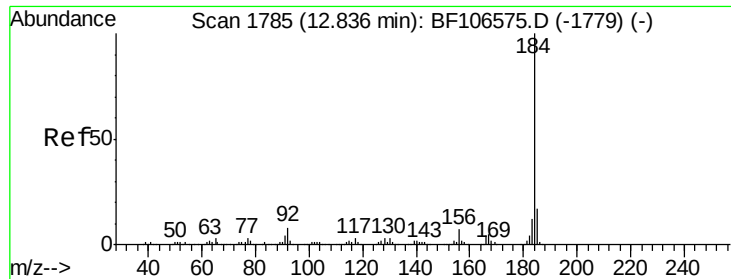
Tgt Ion: 202 Resp: 3206
Ion Ratio Lower Upper
202 100
101 9.7 0.0 34.1
203 17.1 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Tgt Ion: 240 Resp: 254164
Ion Ratio Lower Upper
240 100
120 10.0 9.5 14.3
236 26.1 20.7 31.1





#76

Benzidine

Concen: 1.248 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.25 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

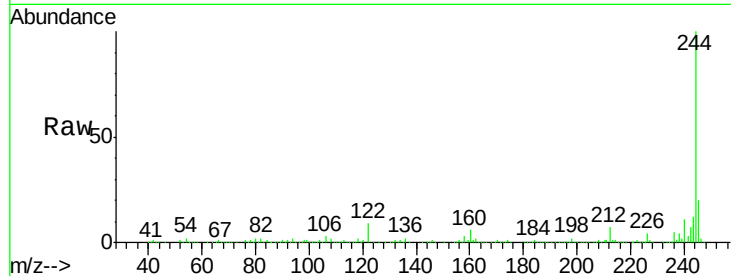
Tgt Ion:184 Resp: 9035

Ion Ratio Lower Upper

184 100

185 18.8 12.6 18.8

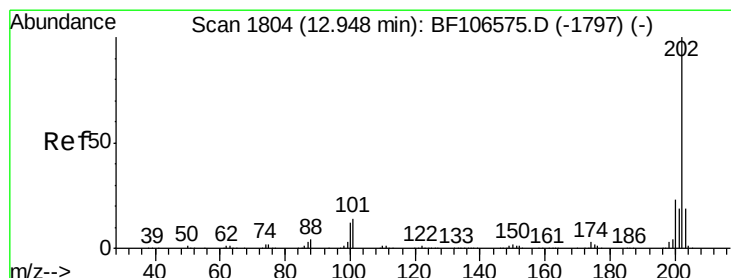
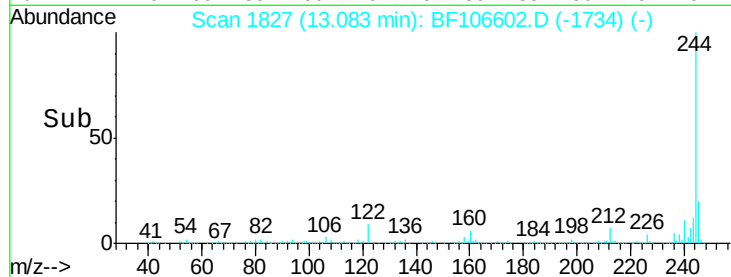
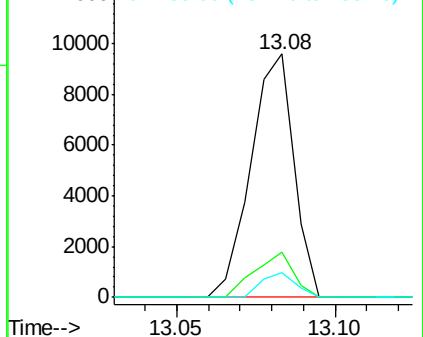
183 10.4 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.191 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.24 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

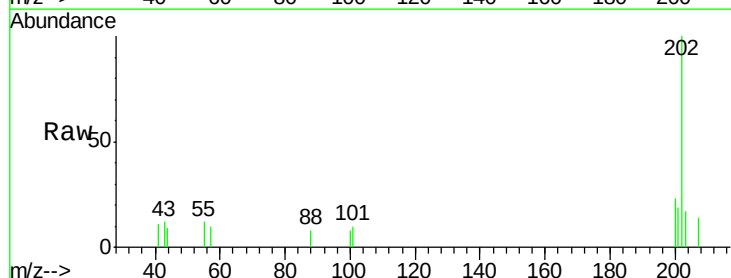
Tgt Ion:202 Resp: 3206

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

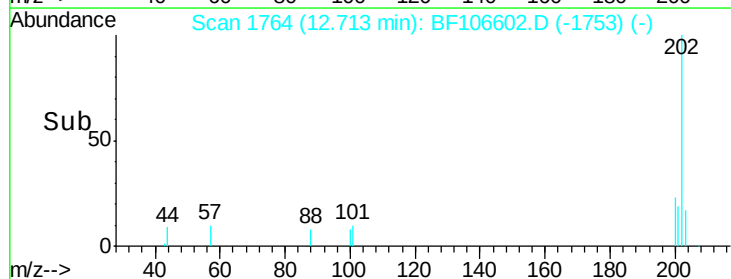
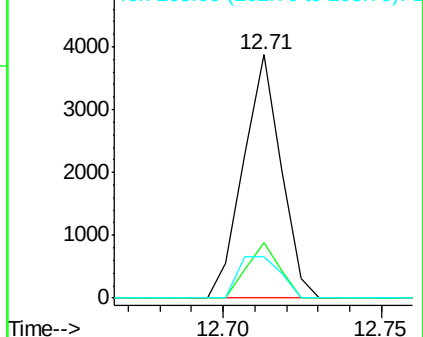
203 17.1 14.3 21.5

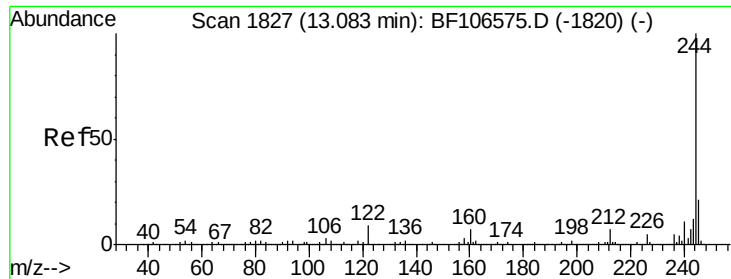


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.142 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

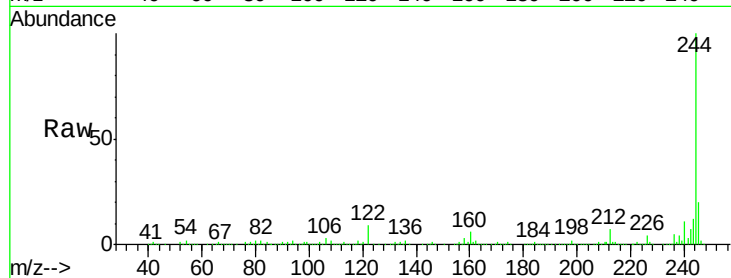
Tgt Ion:244 Resp: 756961

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

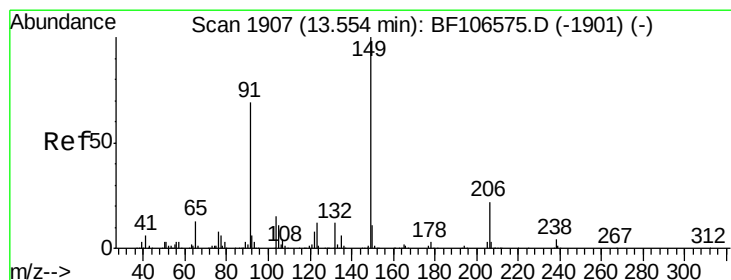
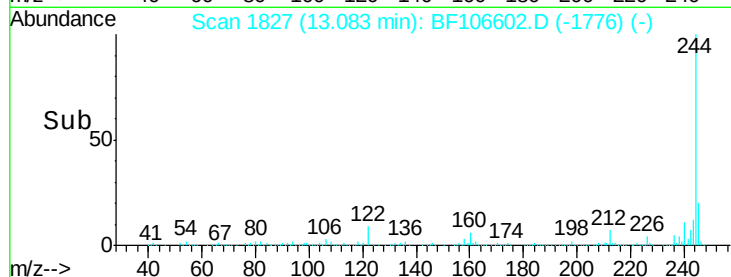
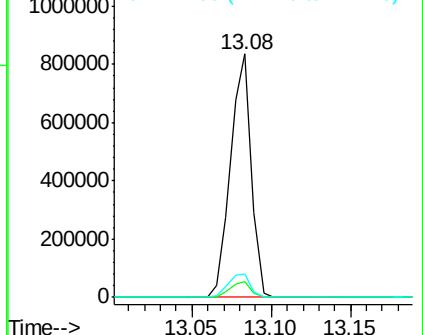
122 9.4 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 0.031 ng

RT: 13.54 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

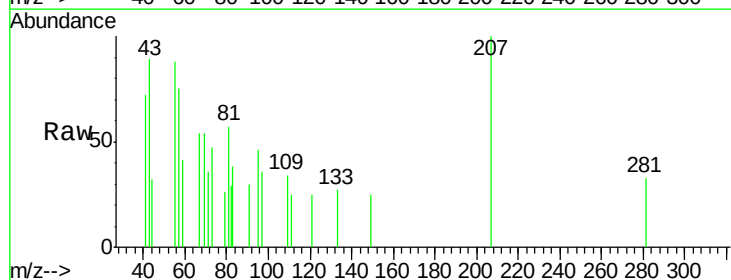
Tgt Ion:149 Resp: 215

Ion Ratio Lower Upper

149 100

91 122.4 56.8 85.2#

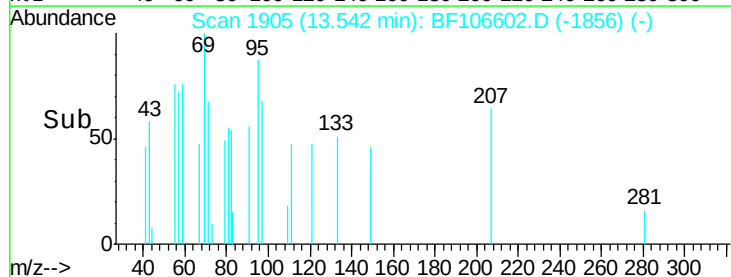
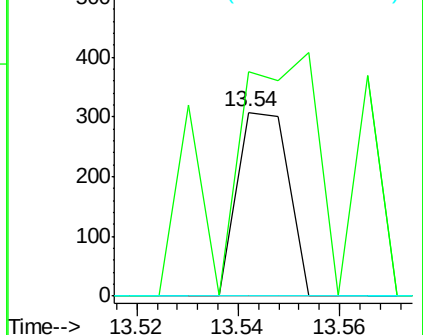
206 0.0 14.1 21.1#

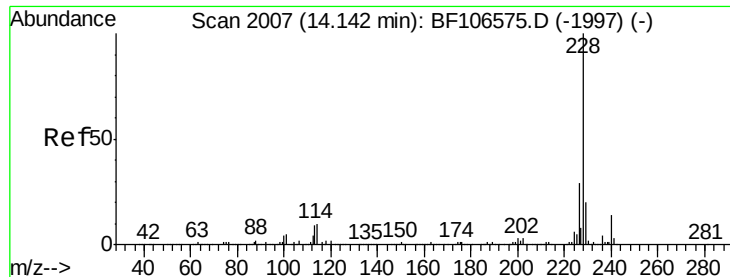


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.173 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

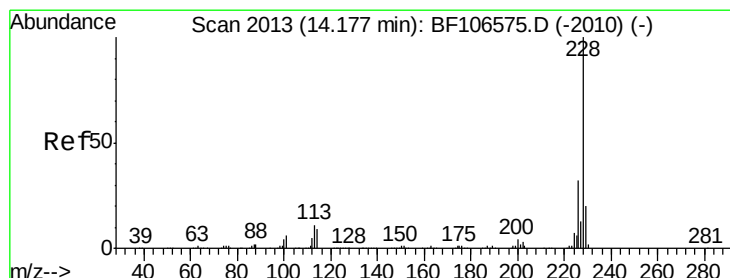
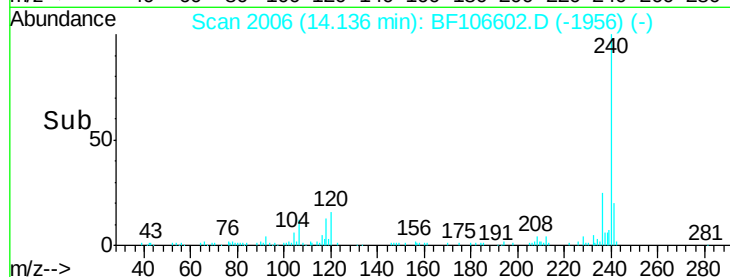
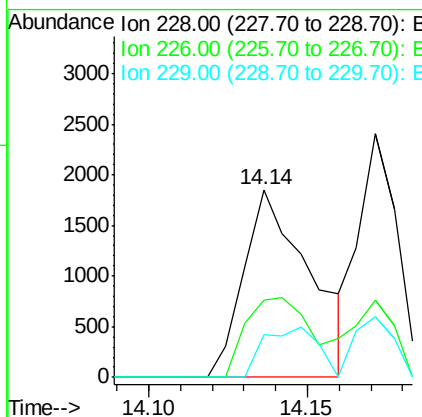
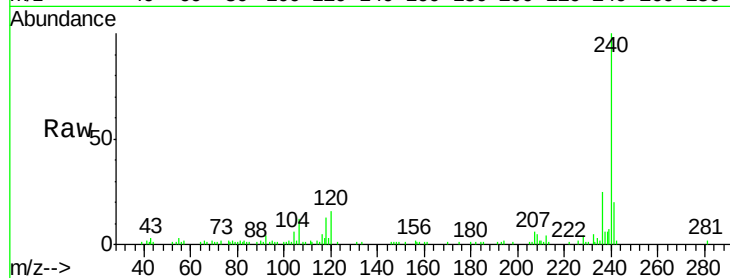
Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

Tgt Ion:	228	Resp:	2677
Ion	Ratio	Lower	Upper
228	100		
226	41.3	22.6	33.8#
229	22.5	15.8	23.6



#82

Chrysene

Concen: 0.141 ng

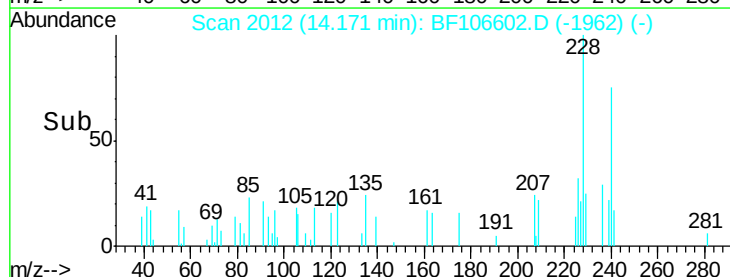
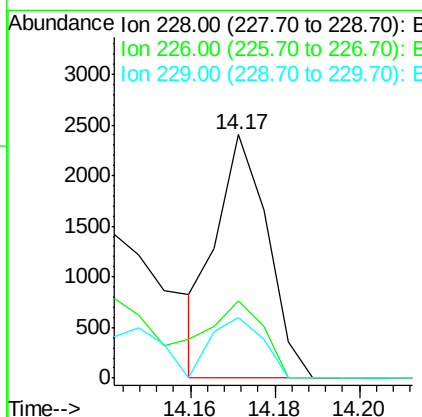
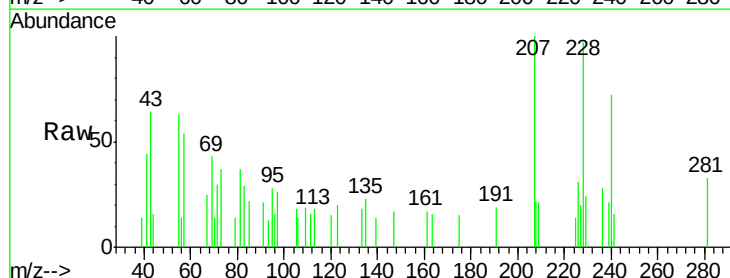
RT: 14.17 min Scan# 2012

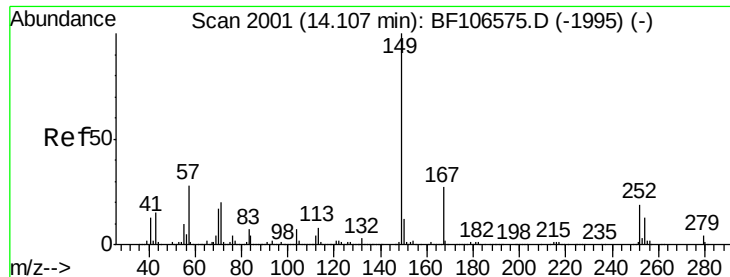
Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Tgt Ion:	228	Resp:	2011
Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	24.9	16.2	24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.169 ng

RT: 14.11 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampled :

A-6(3.0)

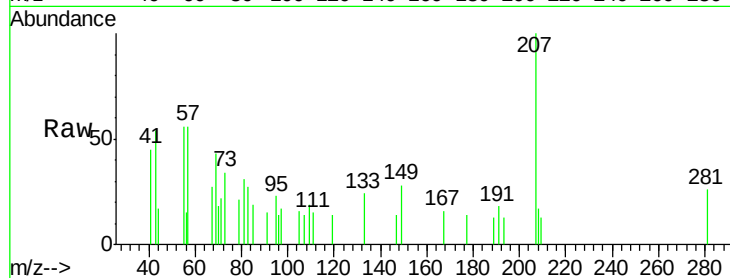
Tgt Ion:149 Resp: 1490

Ion Ratio Lower Upper

149 100

167 55.5 21.3 31.9#

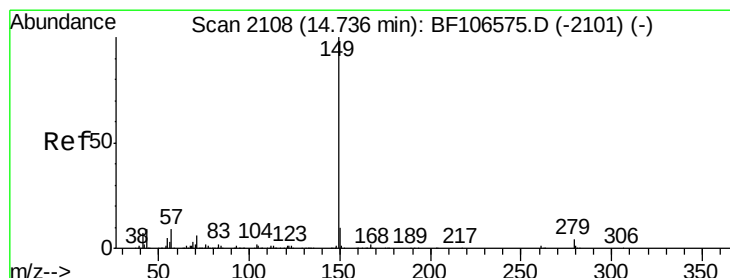
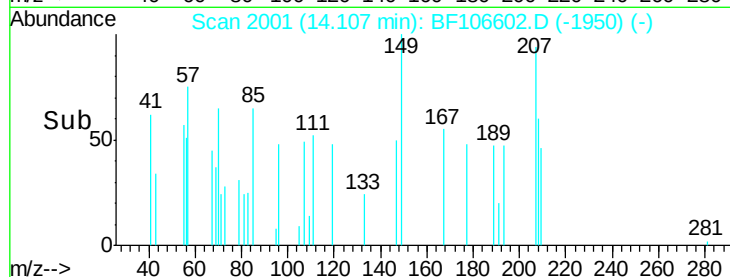
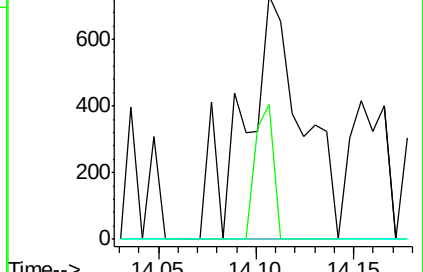
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.013 ng

RT: 14.72 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

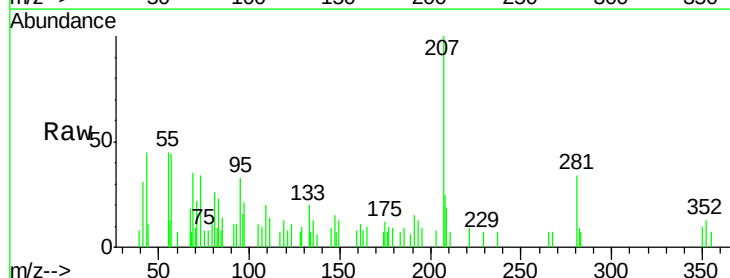
Tgt Ion:149 Resp: 181

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

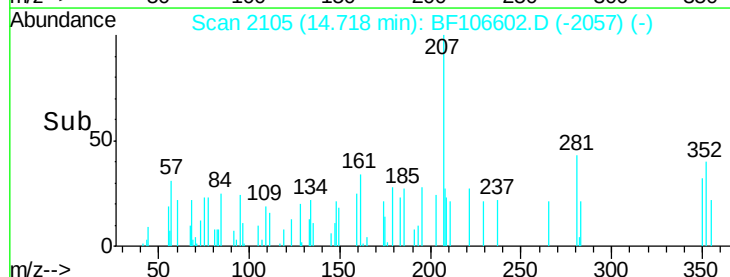
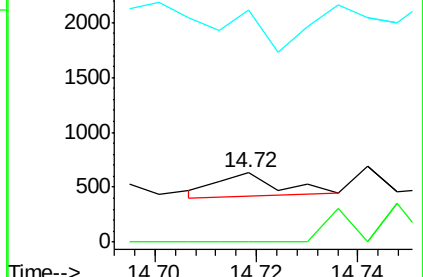
43 338.1 8.4 12.6#

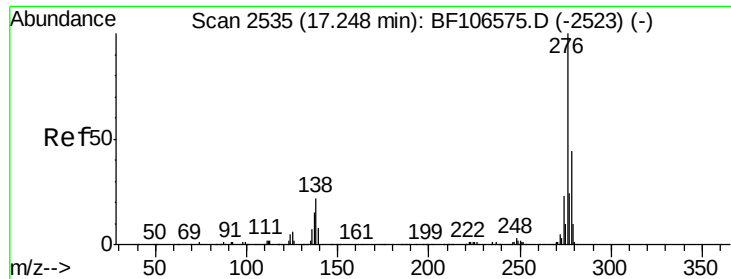


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.078 ng

RT: 17.25 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

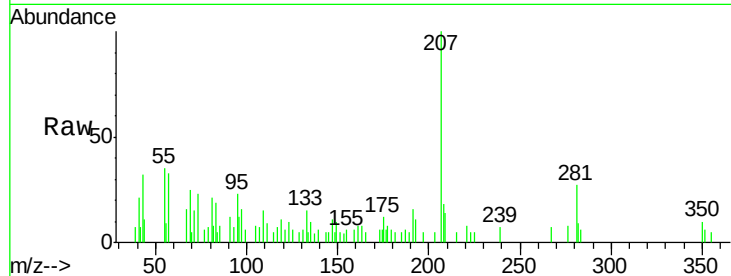
Tgt Ion:276 Resp: 948

Ion Ratio Lower Upper

276 100

138 0.0 25.0 37.6#

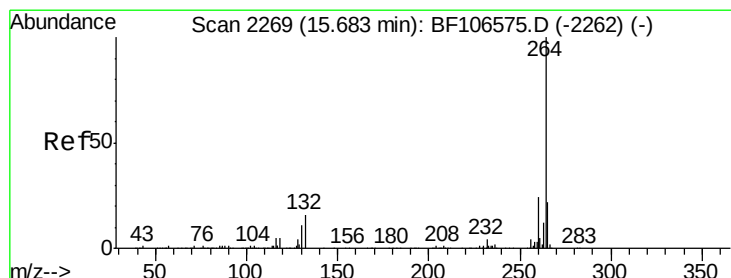
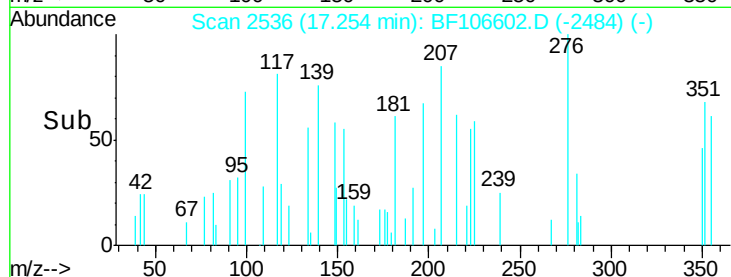
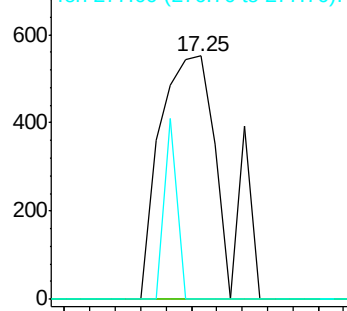
277 15.2 20.1 30.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

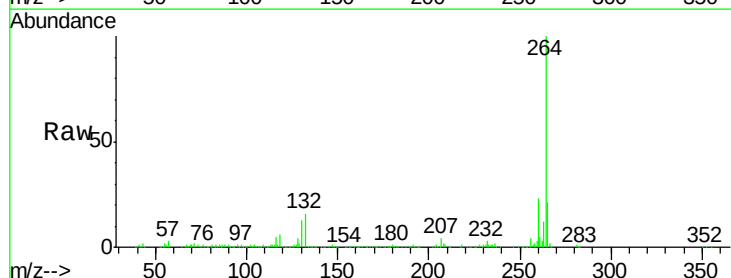
Tgt Ion:264 Resp: 198120

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

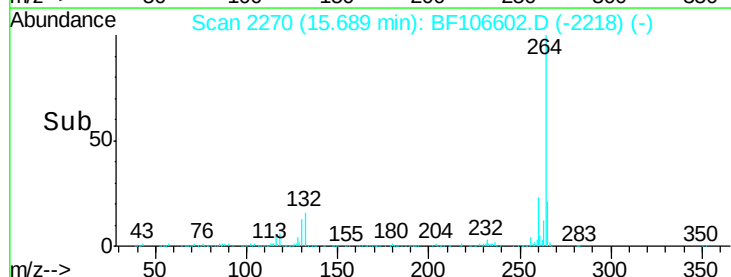
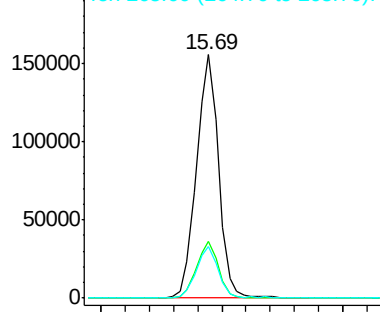
265 21.2 17.5 26.3

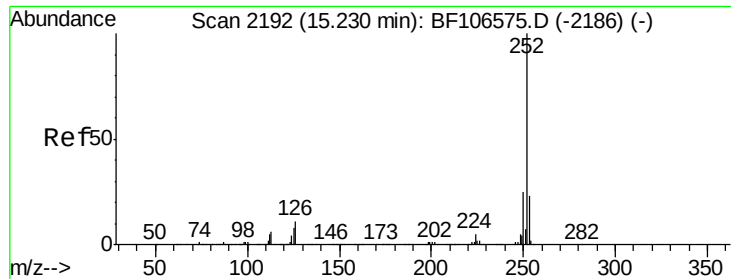


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

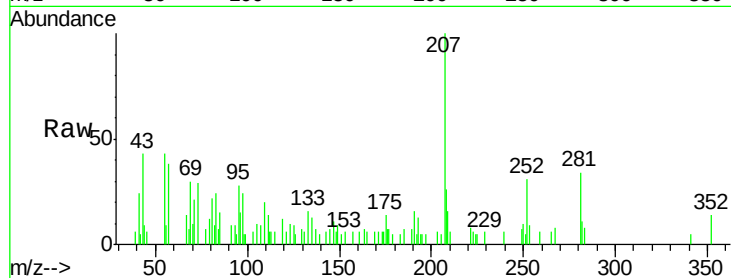




#87
Benzo(b)fluoranthene
Concen: 0.297 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Instrument :
BNA_F
ClientSampleId :
A-6(3.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.0	25.6#
125	30.0	9.0	13.6#

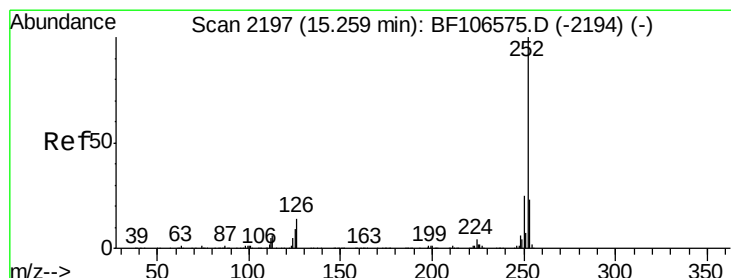
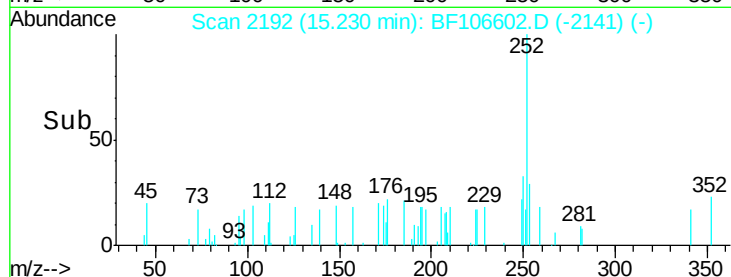
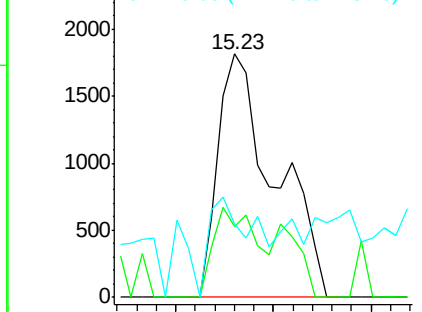


Abundance

Ion 252.00 (251.70 to 252.70): E

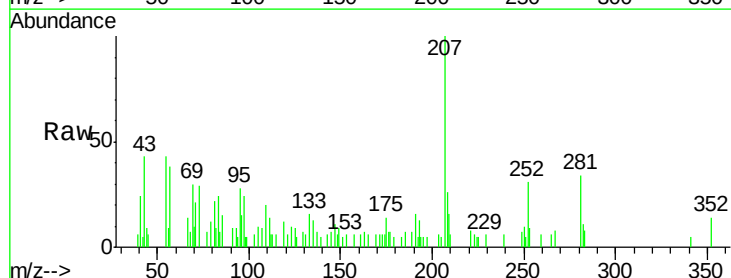
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 0.312 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106602.D
Acq: 20 Jun 2018 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.9	26.9#
125	30.0	10.2	15.2#

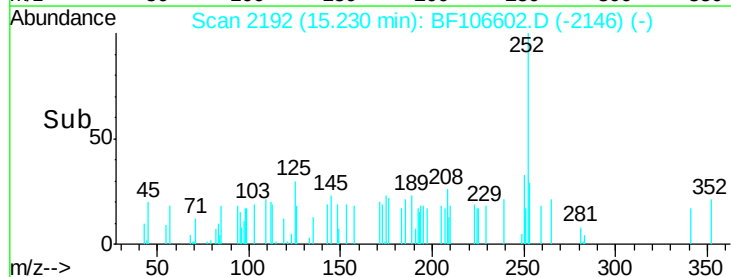
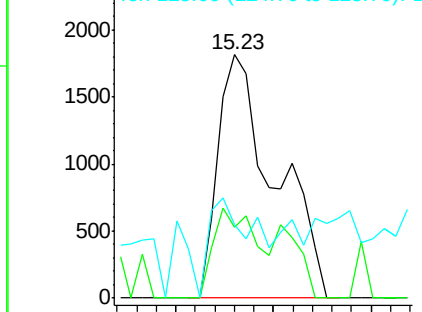


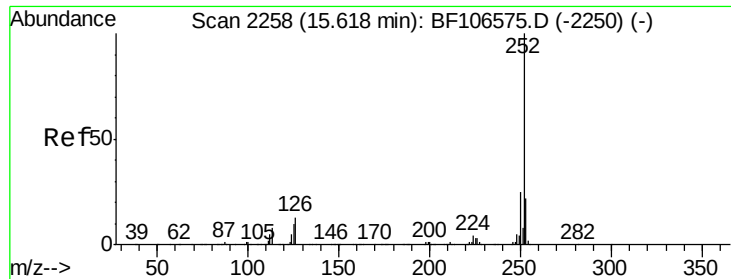
Abundance

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





#89

Benzo(a)pyrene

Concen: 0.139 ng

RT: 15.62 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

Instrument :

BNA_F

ClientSampleId :

A-6(3.0)

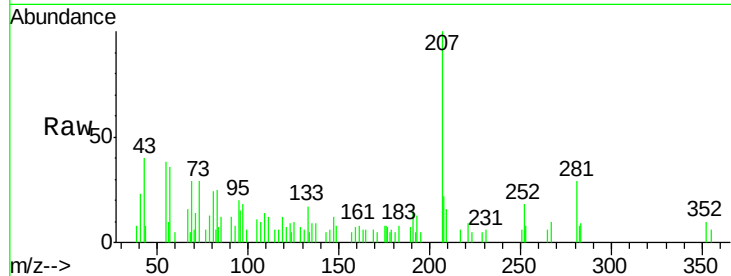
Tgt Ion: 252 Resp: 1518

Ion Ratio Lower Upper

252 100

253 41.7 17.1 25.7#

125 54.4 9.8 14.6#

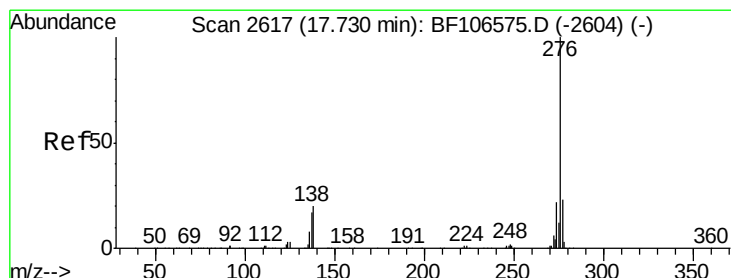
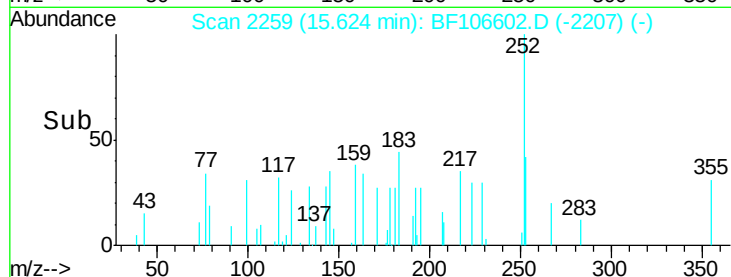
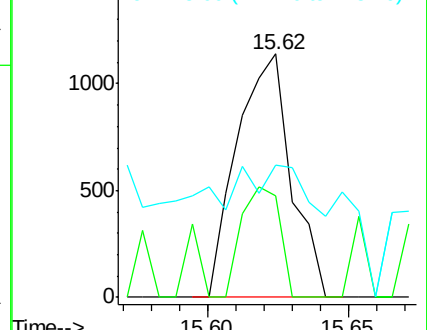


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 0.083 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BF106602.D

Acq: 20 Jun 2018 00:16

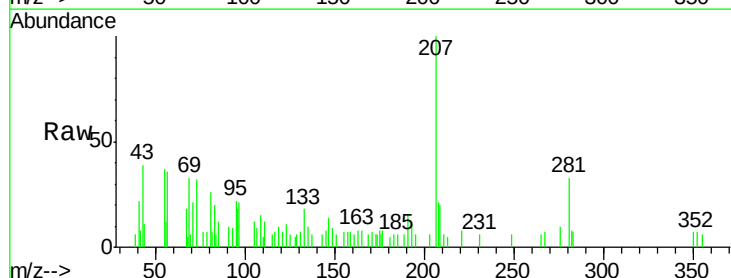
Tgt Ion: 276 Resp: 754

Ion Ratio Lower Upper

276 100

277 0.0 17.9 26.9#

138 0.0 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

