

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106412.D
 Acq On : 14 Jun 2018 00:47
 Operator : JU/SJ
 Sample : J3458-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 02:23:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

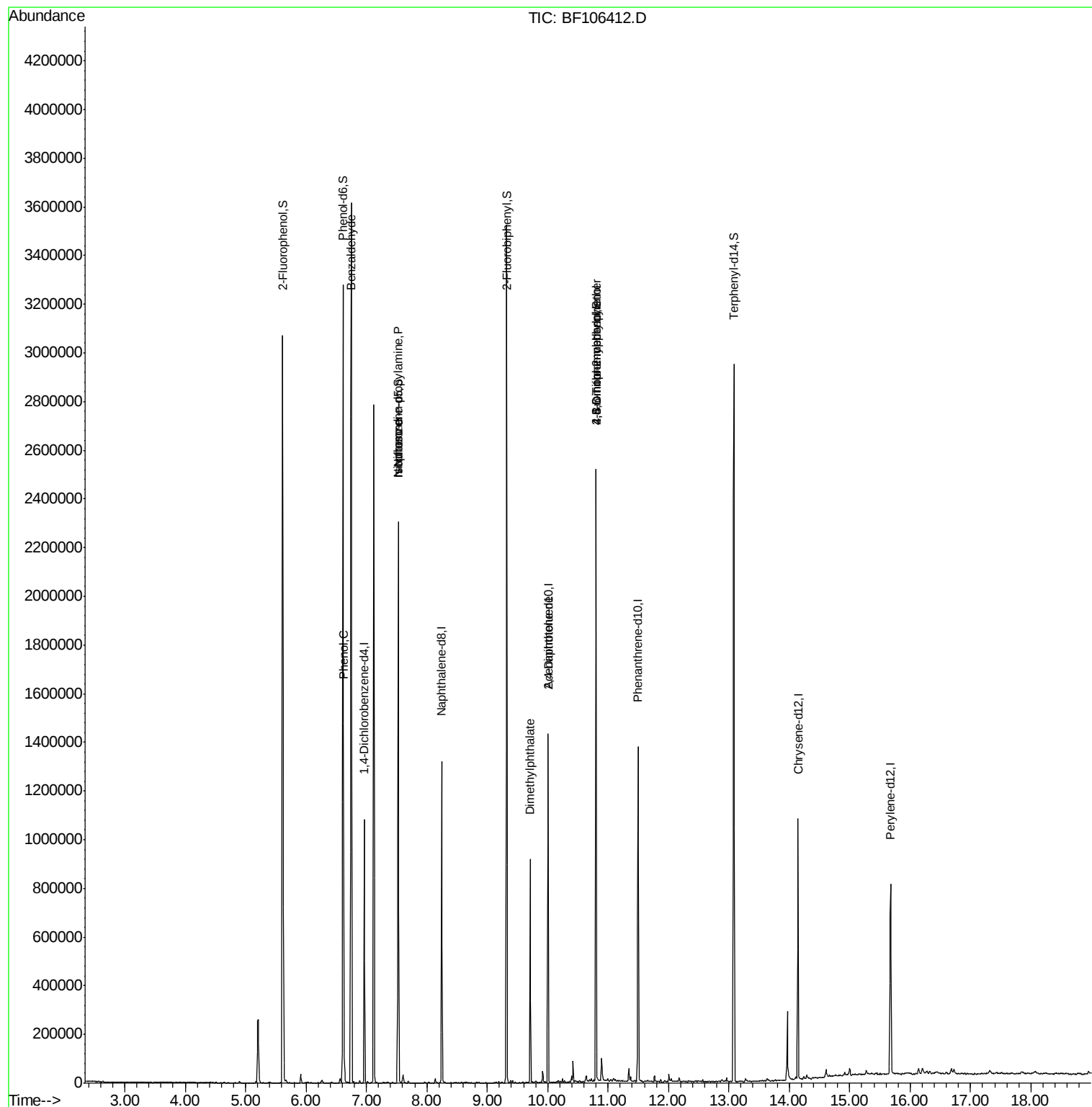
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	139538	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	529226	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	247879	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	468623	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	346949	20.00	ng	-0.02
86) Perylene-d12	15.68	264	350958	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	971478	117.83	ng	-0.01
7) Phenol-d6	6.61	99	1167335	112.07	ng	-0.01
23) Nitrobenzene-d5	7.53	82	773118	85.94	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	324229	135.94	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1120392	78.25	ng	0.00
78) Terphenyl-d14	13.08	244	994881	71.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	21822	2.762	ng	85
10) Phenol	6.62	94	36675	3.225	ng	# 78
19) n-Nitroso-di-n-propylamine	7.53	70	105932	13.556	ng	# 74
25) Isophorone	7.53	82	773108	43.998	ng	# 64
49) Dimethylphthalate	9.71	163	314161	17.740	ng	99
56) 2,4-Dinitrotoluene	10.01	165	32689	7.196	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	653	6.519	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	20748	3.893	ng	# 1

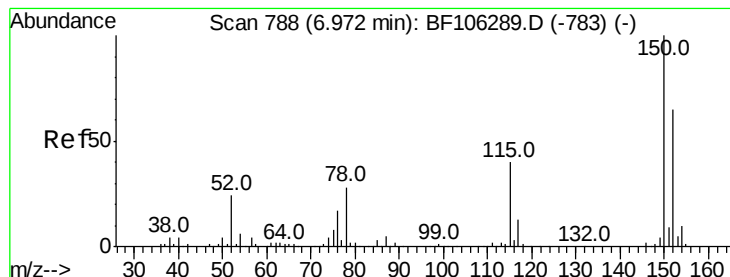
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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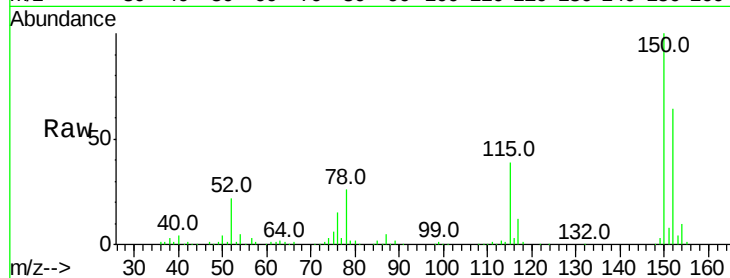


#1

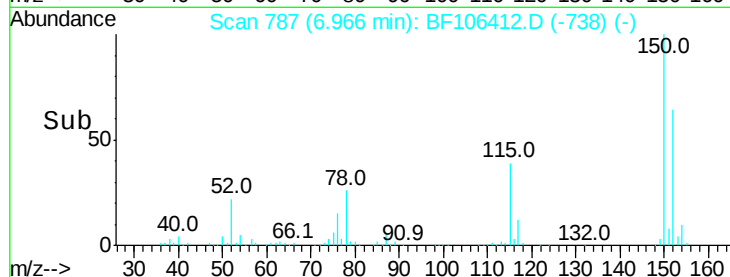
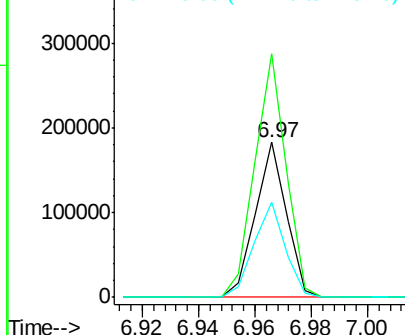
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106412.D
Acq: 14 Jun 2018 00:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139538
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 61.5 50.1 75.1



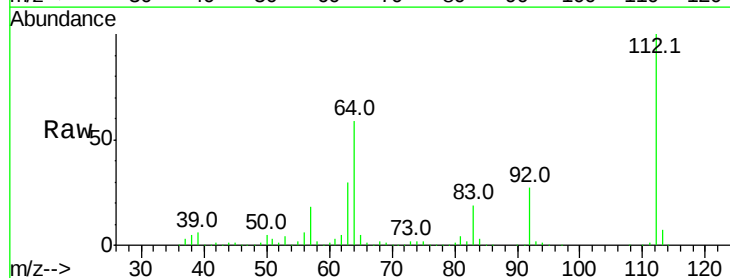
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



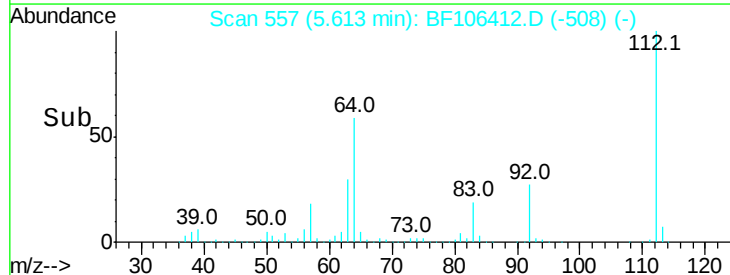
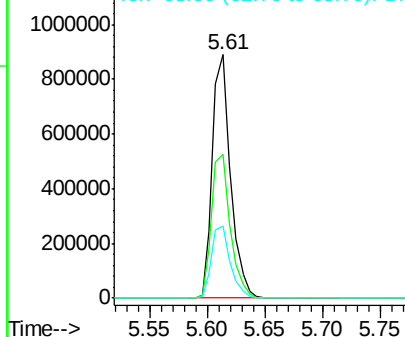
#5

2-Fluorophenol
Concen: 117.833 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106412.D
Acq: 14 Jun 2018 00:47

Tgt Ion:112 Resp: 971478
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 29.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.070 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Instrument :

BNA_F

ClientSampleId :

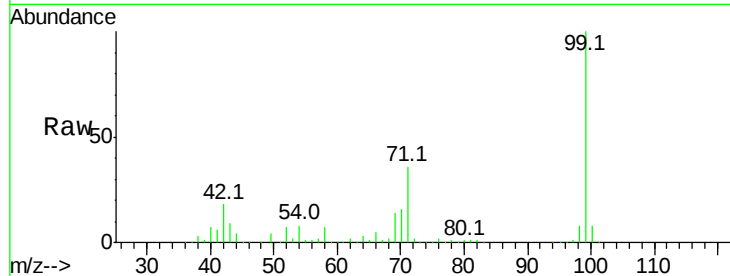
Tot Ion: 99 Resp: 1167335

Ion Ratio Lower Upper

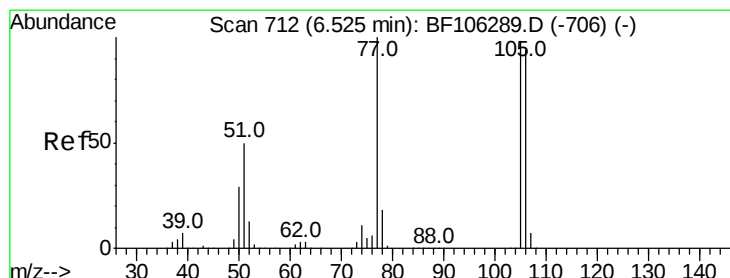
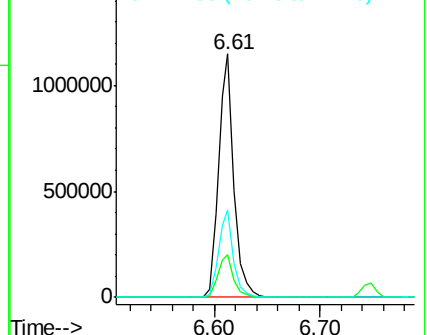
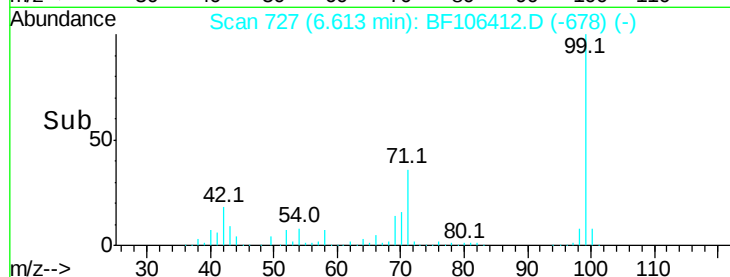
99 100

42 17.8 14.5 21.7

71 36.1 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



#9

Benzaldehyde

Concen: 2.762 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

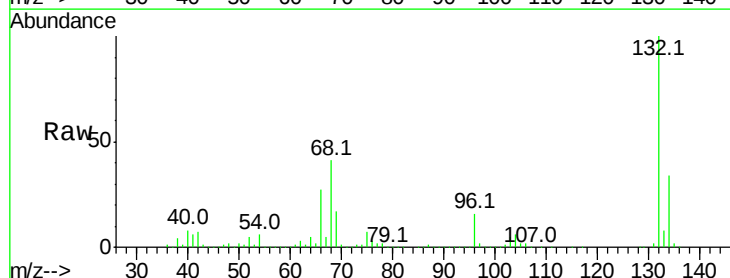
Tgt Ion: 77 Resp: 21822

Ion Ratio Lower Upper

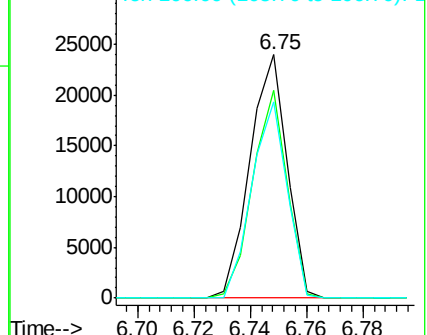
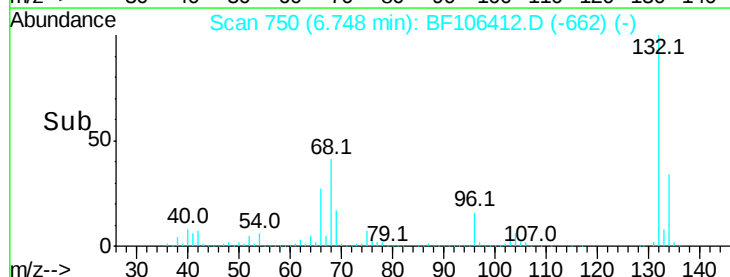
77 100

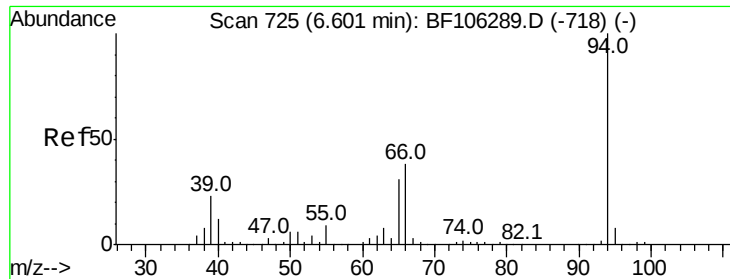
105 85.1 81.1 121.1

106 80.6 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: 3.225 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Instrument :

BNA_F

ClientSampled :

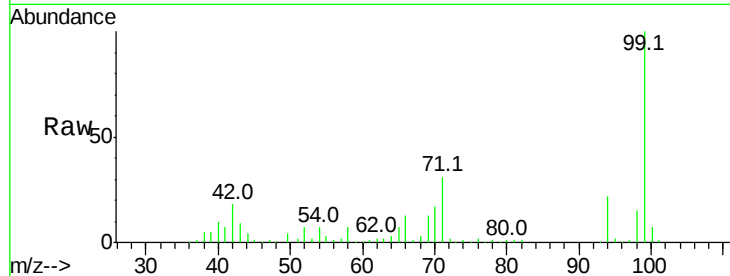
Tot Ion: 94 Resp: 36675

Ion Ratio Lower Upper

94 100

65 30.0 7.9 47.9

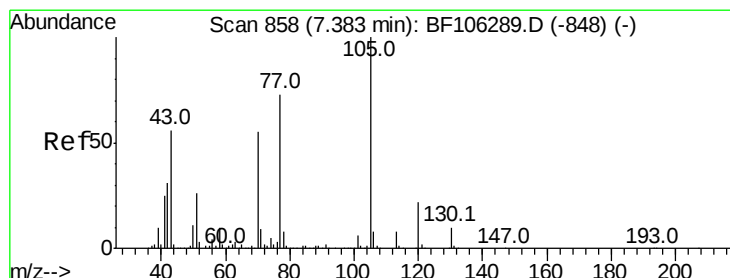
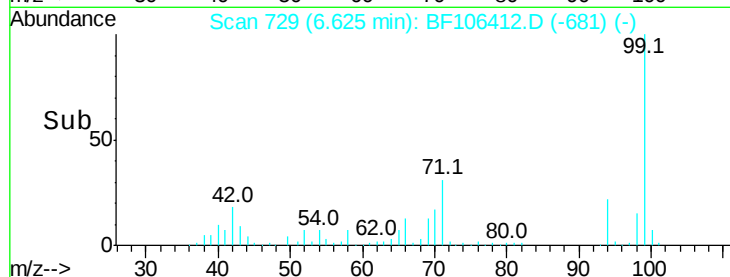
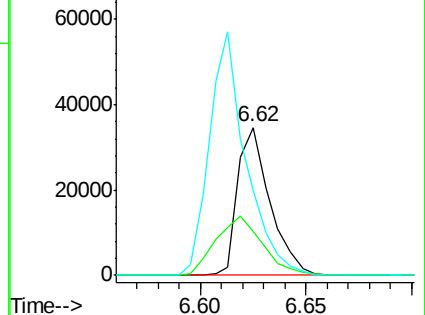
66 56.9 16.2 56.2#



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: 13.556 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Tgt Ion: 70 Resp: 105932

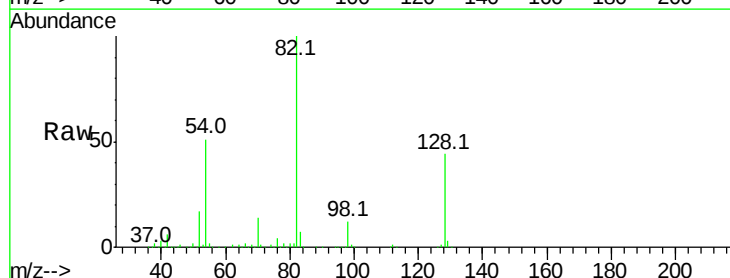
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

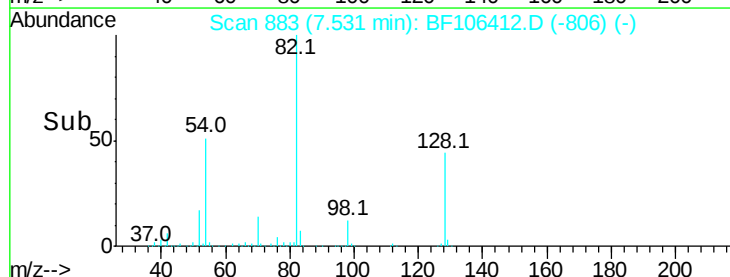
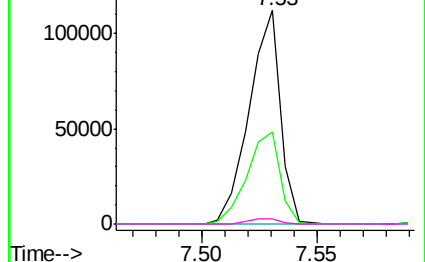


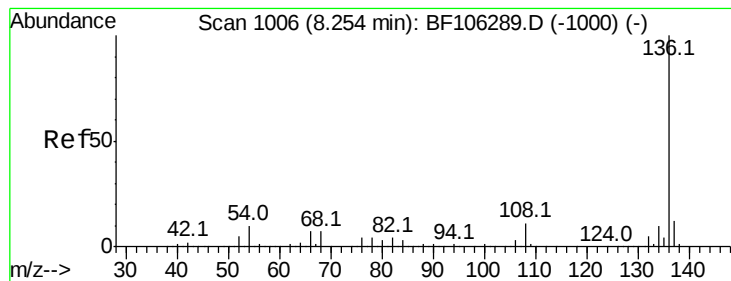
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 529226

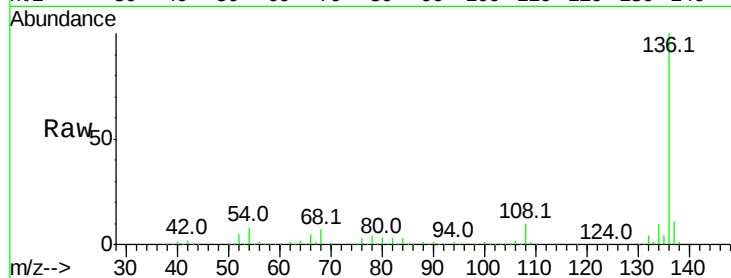
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.5 6.6 9.8

68 6.8 5.0 7.4

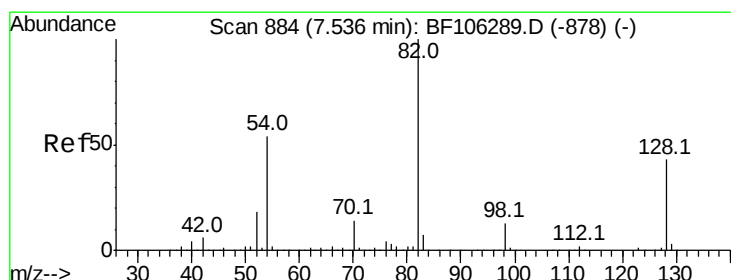
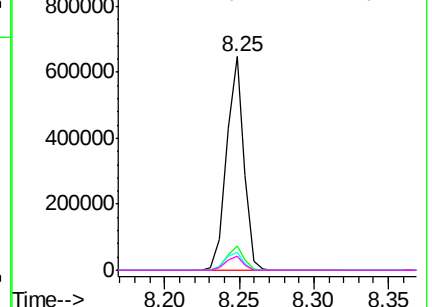
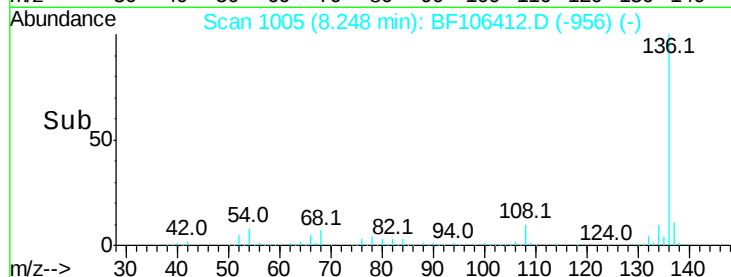


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.939 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

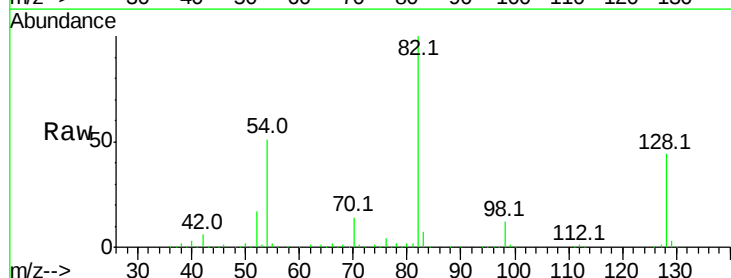
Tgt Ion: 82 Resp: 773118

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

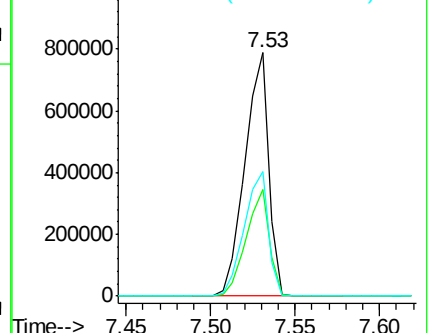
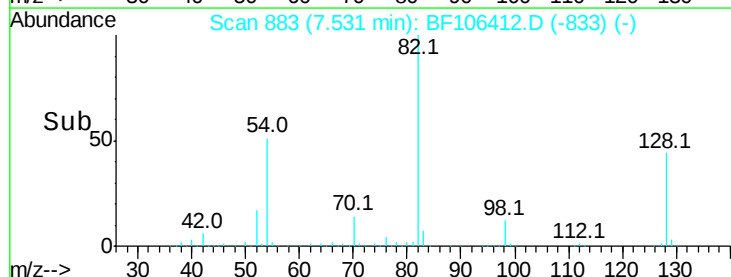
54 51.4 41.4 62.2

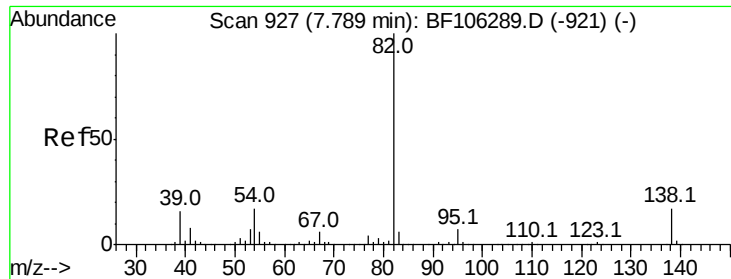


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.998 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Instrument :

BNA_F

ClientSampled :

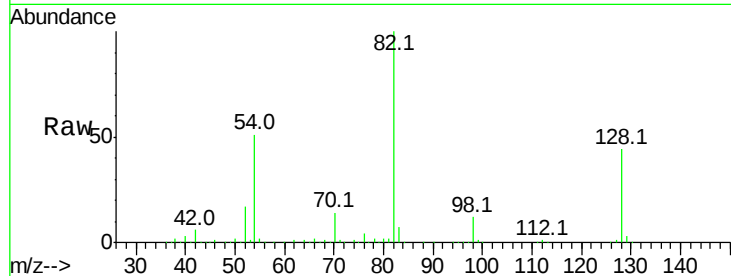
Tot Ion: 82 Resp: 773108

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

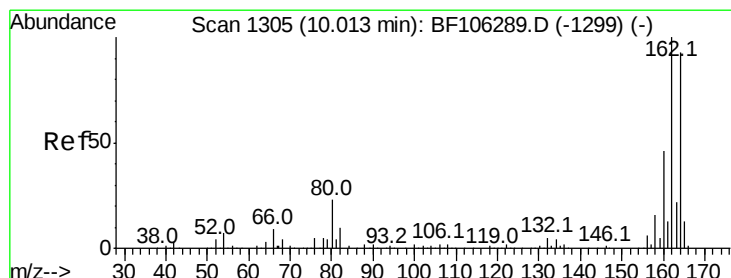
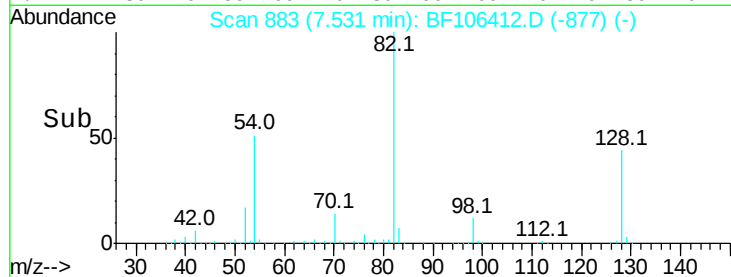
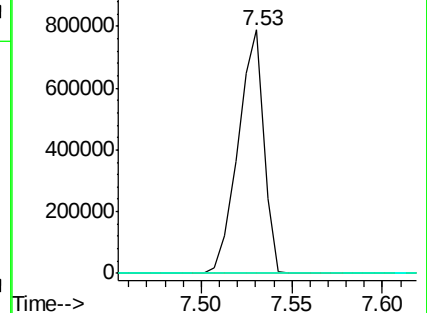
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

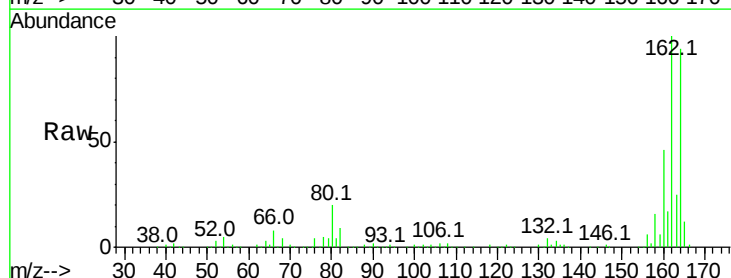
Tgt Ion:164 Resp: 247879

Ion Ratio Lower Upper

164 100

162 106.8 86.1 129.1

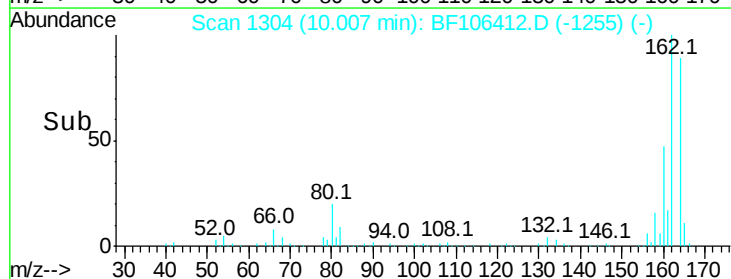
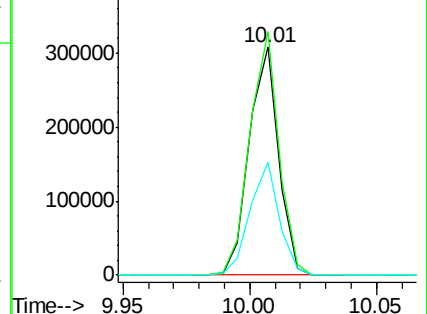
160 49.5 38.3 57.5

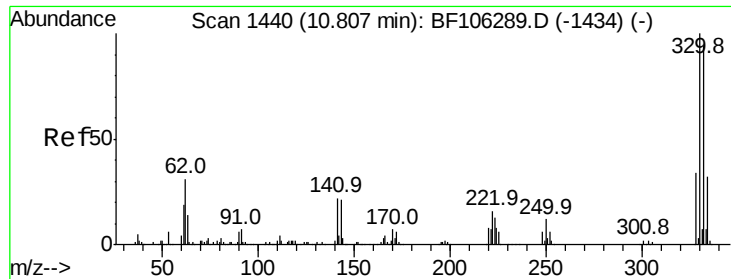


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

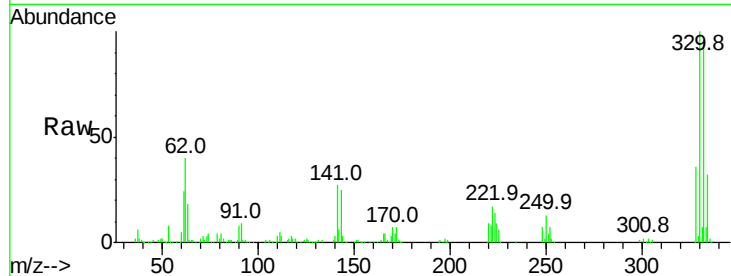




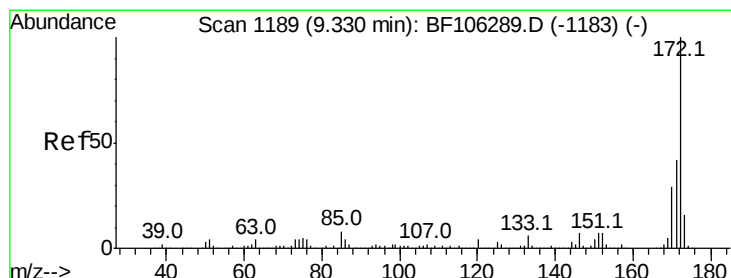
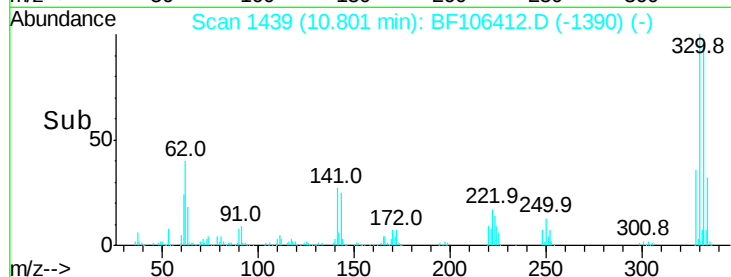
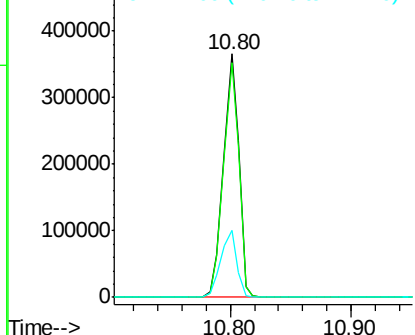
#41
 2,4,6-Tribromophenol
 Concen: 135.944 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106412.D
 Acq: 14 Jun 2018 00:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 324229
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 28.1 29.9 44.9#

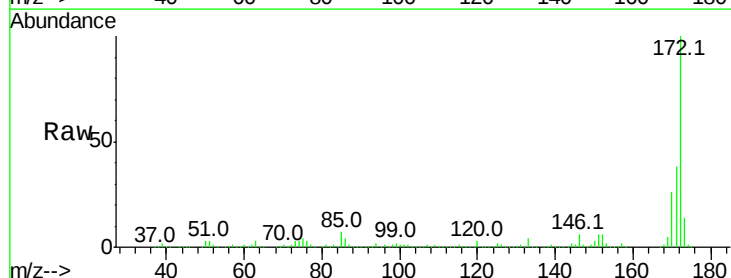


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

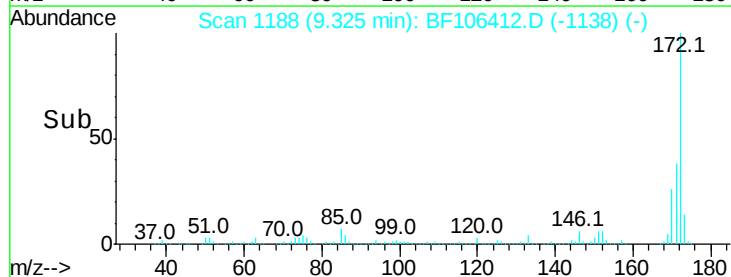
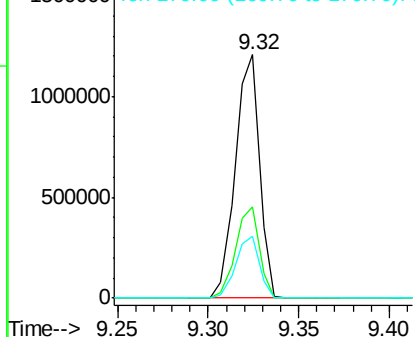


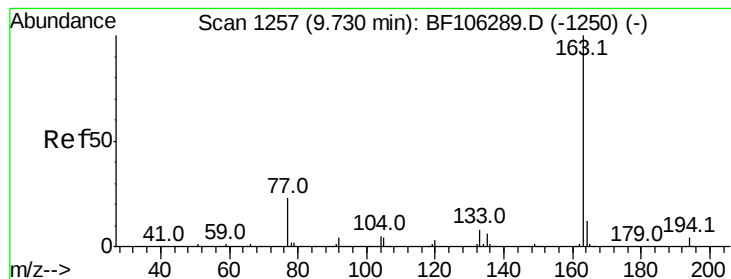
#44
 2-Fluorobiphenyl
 Concen: 78.247 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106412.D
 Acq: 14 Jun 2018 00:47

Tgt Ion:172 Resp: 1120392
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.7 44.5
 170 25.6 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





#49

Dimethylphthalate

Concen: 17.740 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Instrument :

BNA_F

ClientSampleId :

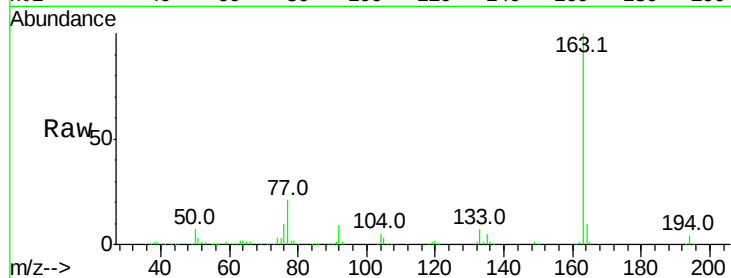
Tot Ion:163 Resp: 314161

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

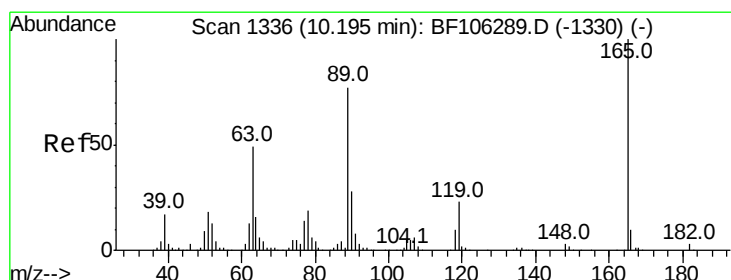
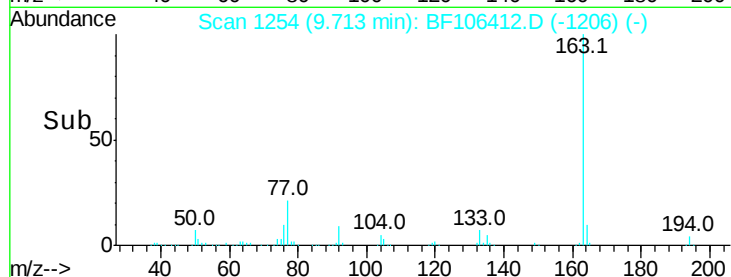
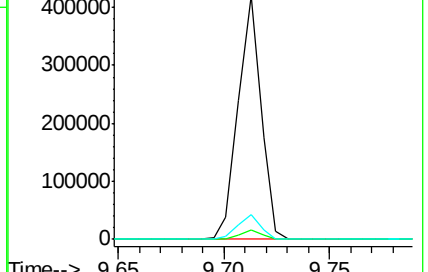
164 10.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.196 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106412.D

Acq: 14 Jun 2018 00:47

Tgt Ion:165 Resp: 32689

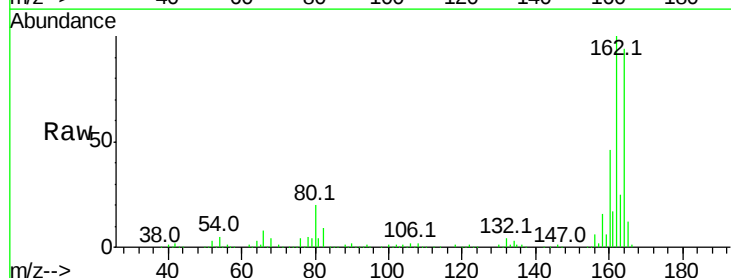
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

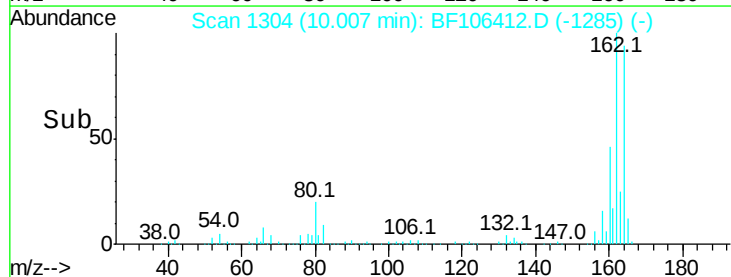
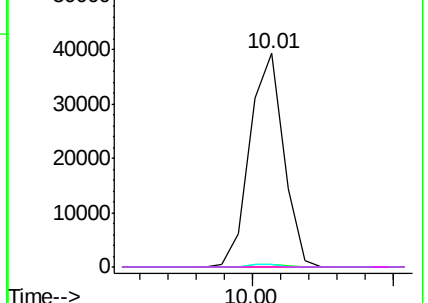


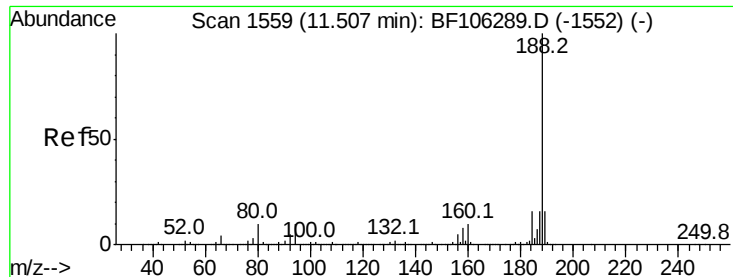
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

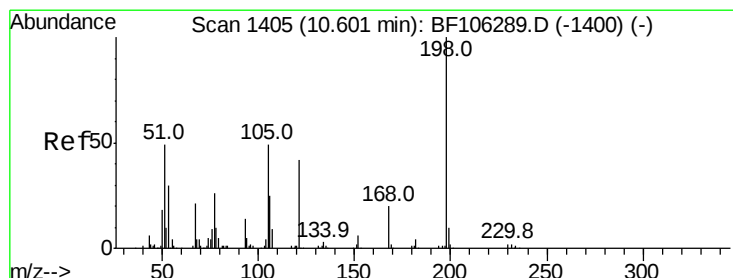
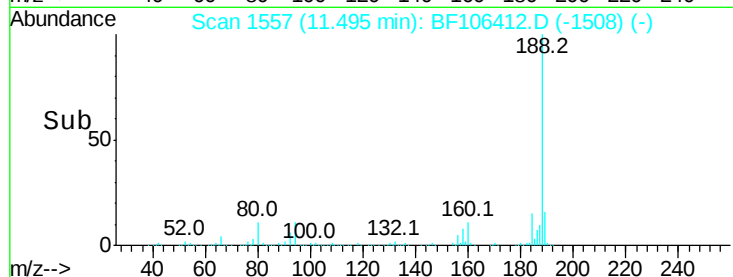
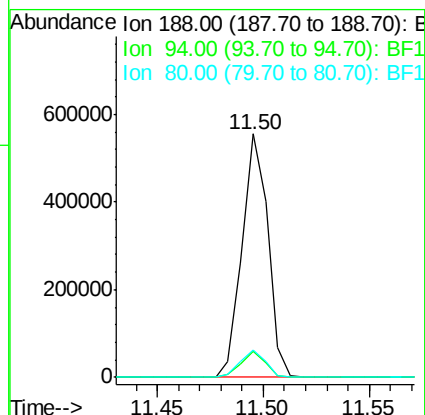
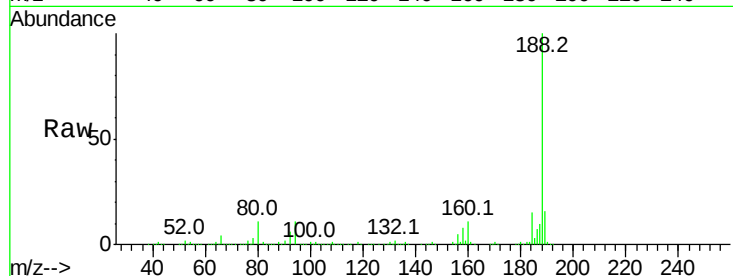




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106412.D
Acq: 14 Jun 2018 00:47

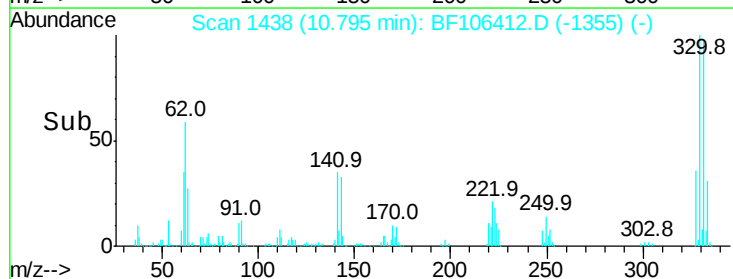
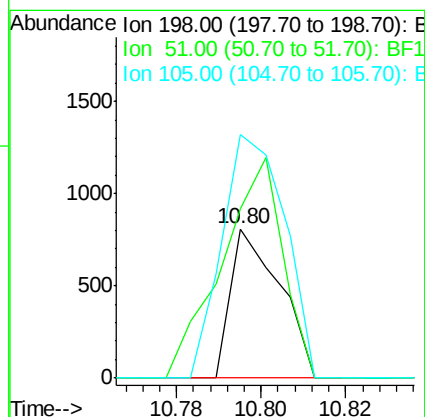
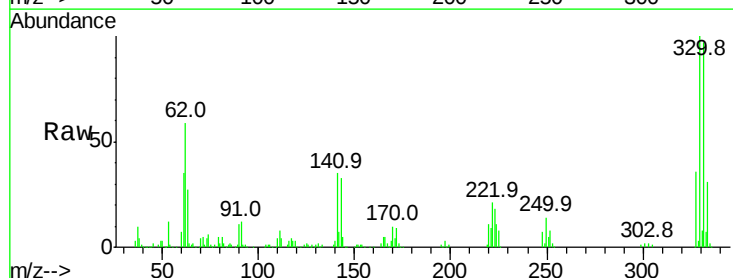
Instrument :
BNA_F
ClientSampleId :

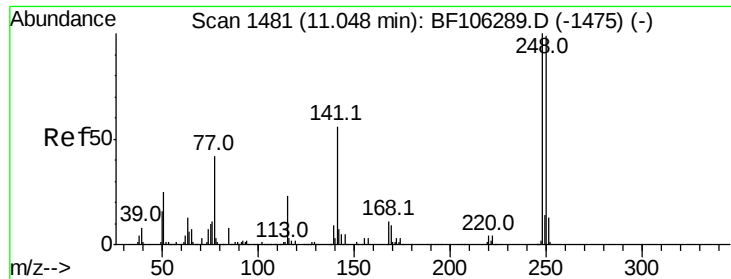
Tot Ion:188 Resp: 468623
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.519 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF106412.D
Acq: 14 Jun 2018 00:47

Tgt Ion:198 Resp: 653
Ion Ratio Lower Upper
198 100
51 113.7 37.7 77.7#
105 163.0 36.3 76.3#

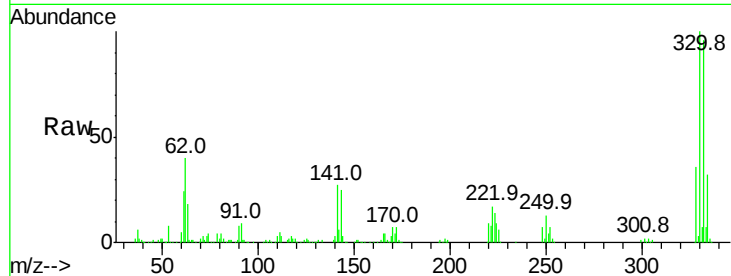




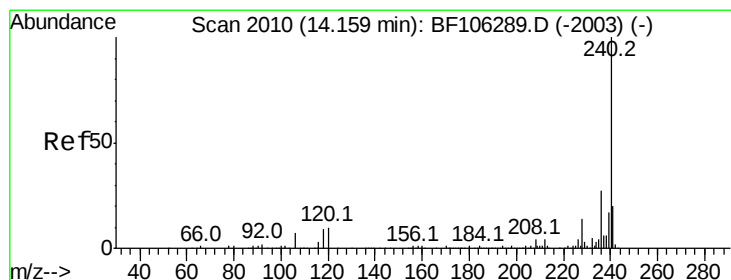
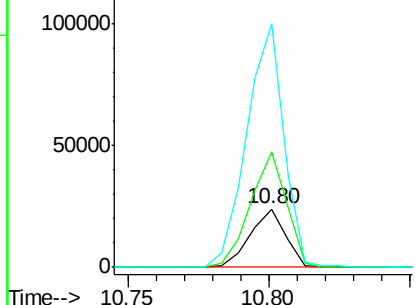
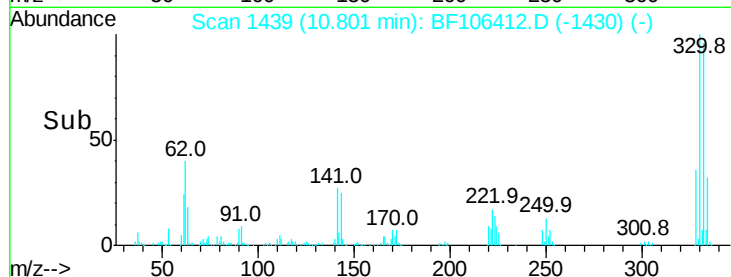
#66
4-Bromophenyl-phenylether
Concen: 3.893 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.25 min
Lab File: BF106412.D
Acq: 14 Jun 2018 00:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20748
Ion Ratio Lower Upper
248 100
250 198.0 76.9 115.3#
141 417.7 74.4 111.6#

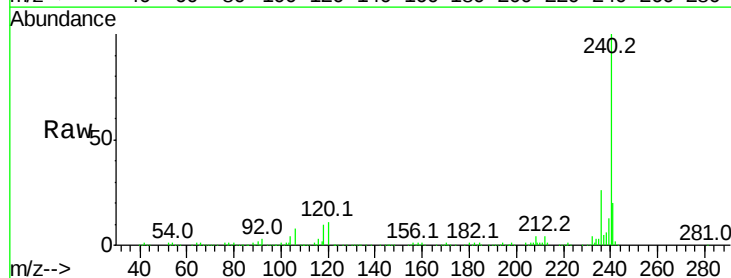


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

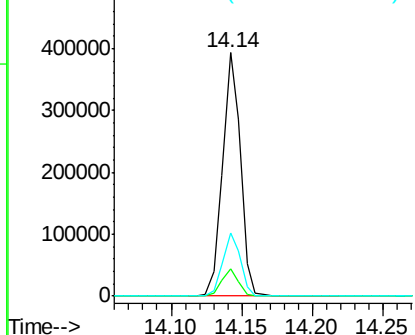
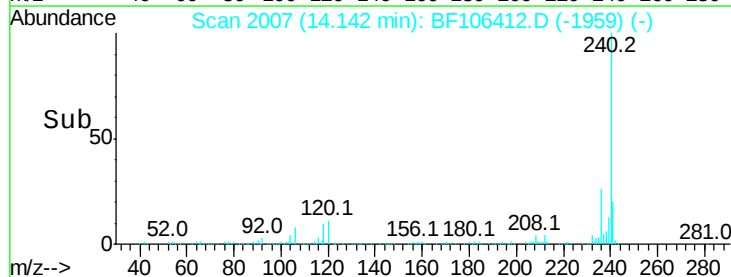


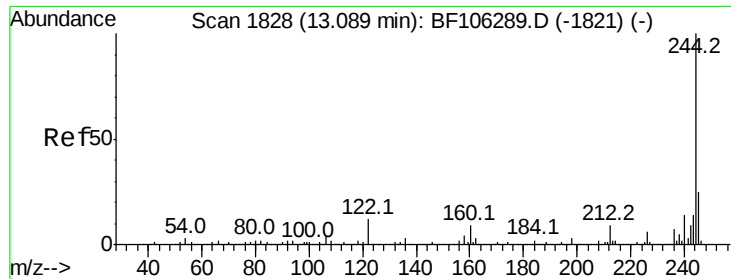
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF106412.D
Acq: 14 Jun 2018 00:47

Tgt Ion:240 Resp: 346949
Ion Ratio Lower Upper
240 100
120 11.4 9.5 14.3
236 26.1 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

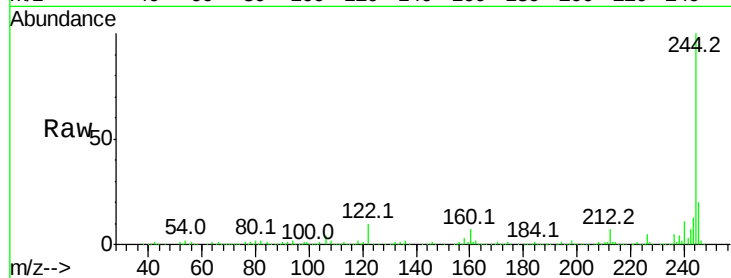




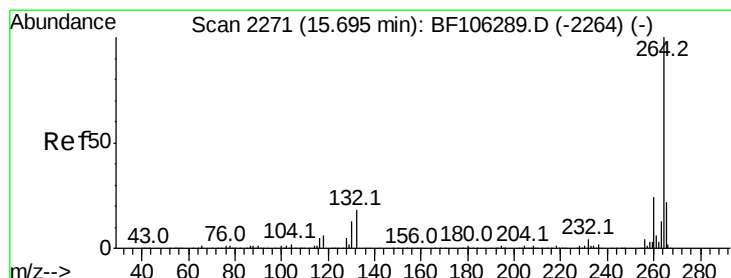
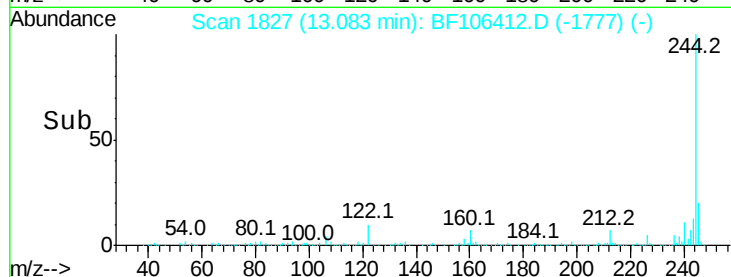
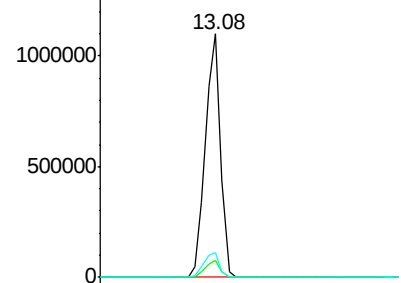
#78
 Terphenyl-d14
 Concen: 71.223 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106412.D
 Acq: 14 Jun 2018 00:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 994881
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.1 11.0 16.4#

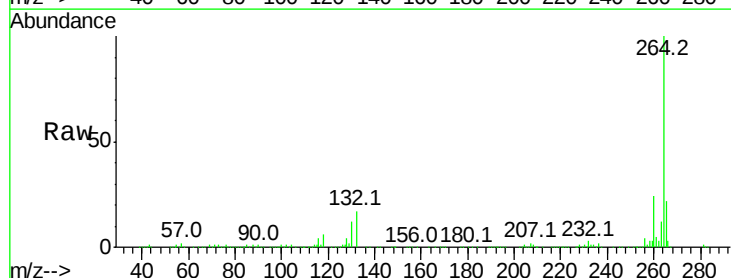


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF106412.D
 Acq: 14 Jun 2018 00:47

Tgt Ion:264 Resp: 350958
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.1 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

