

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106423.D
 Acq On : 14 Jun 2018 6:10
 Operator : JU/SJ
 Sample : J3447-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 06:51:31 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	154228	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	581328	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	278927	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	516649	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	403718	20.00	ng	-0.01
86) Perylene-d12	15.68	264	379691	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	492750	54.07	ng	-0.01
7) Phenol-d6	6.61	99	398760	34.64	ng	-0.01
23) Nitrobenzene-d5	7.53	82	808073	81.77	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	356432	132.81	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1304109	82.15	ng	0.00
78) Terphenyl-d14	13.09	244	1231290	75.75	ng	0.00

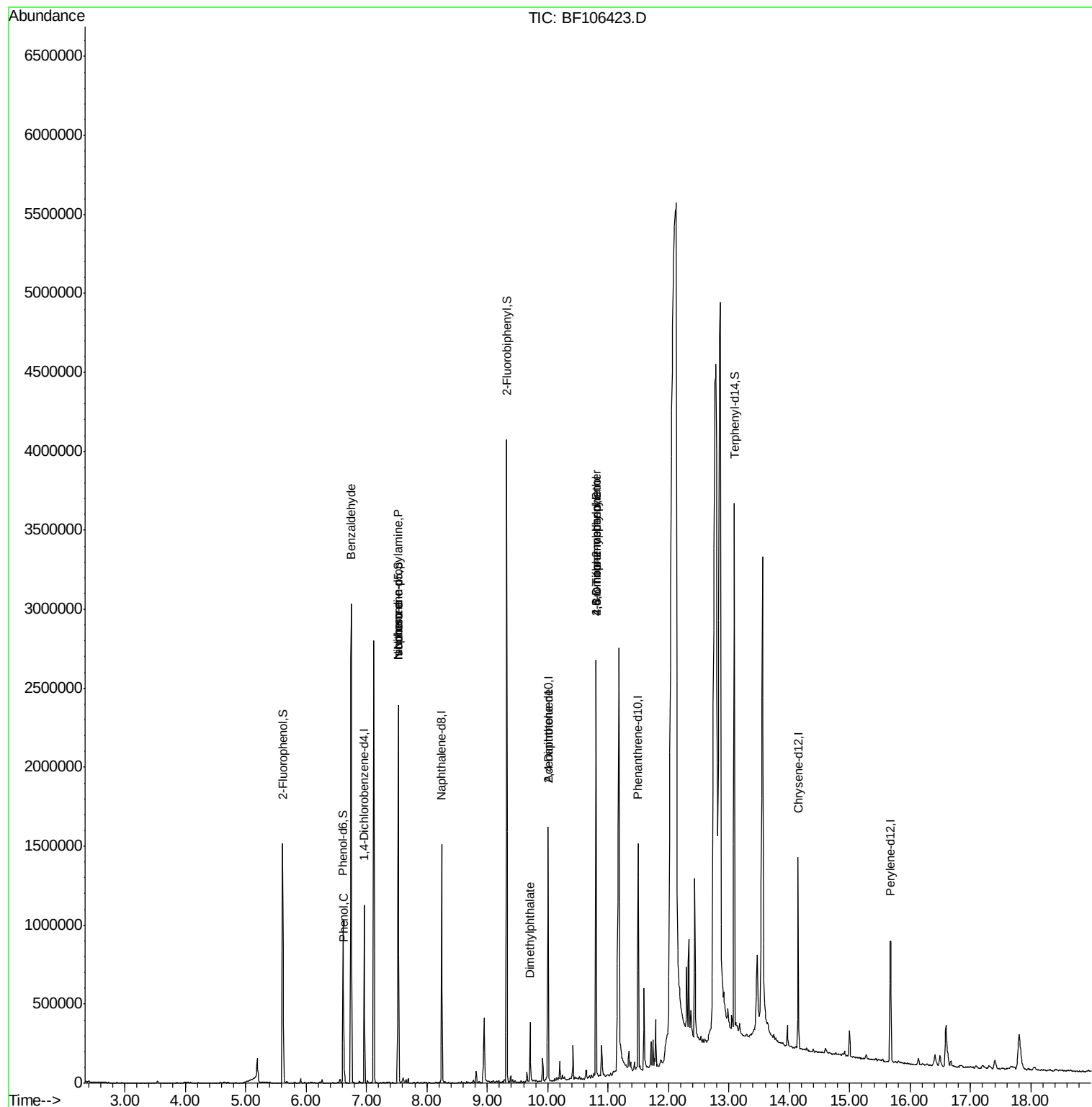
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	18957	2.171	ng	83
10) Phenol	6.62	94	50725	4.036	ng	89
19) n-Nitroso-di-n-propylamine	7.53	70	108530	12.565	ng	# 74
25) Isophorone	7.53	82	808062	41.866	ng	# 64
49) Dimethylphthalate	9.71	163	126184	6.332	ng	99
56) 2,4-Dinitrotoluene	10.01	165	36830	7.205	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	790	6.541	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	22960	3.907	ng	# 1

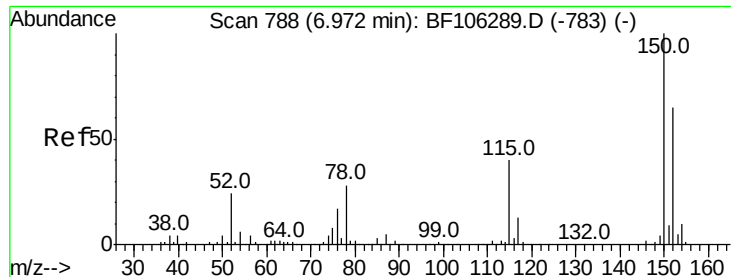
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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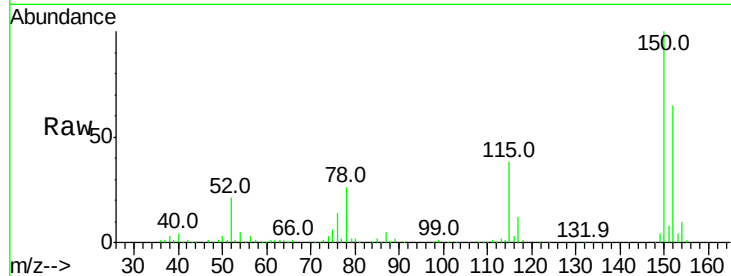


#1

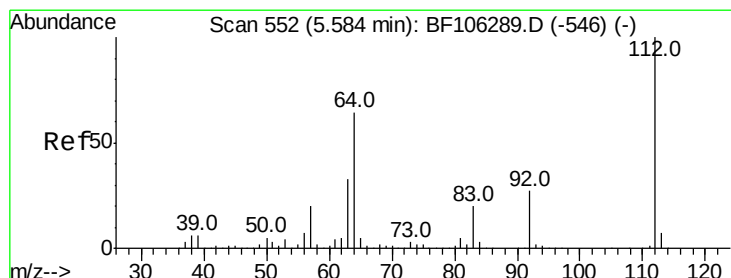
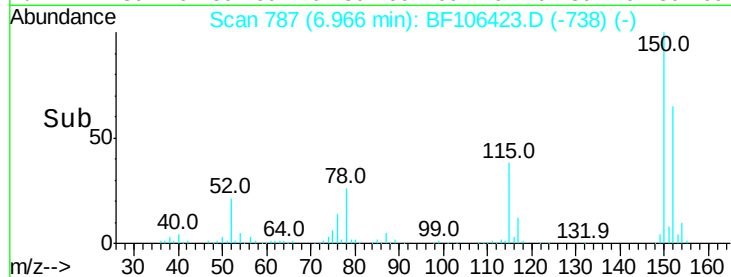
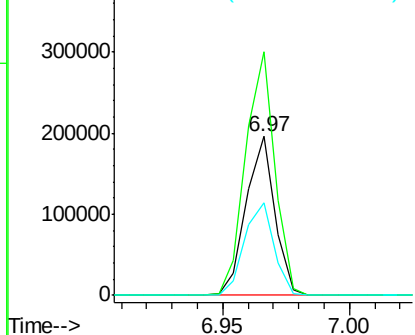
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106423.D
Acq: 14 Jun 2018 6:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	58.4	50.1	75.1



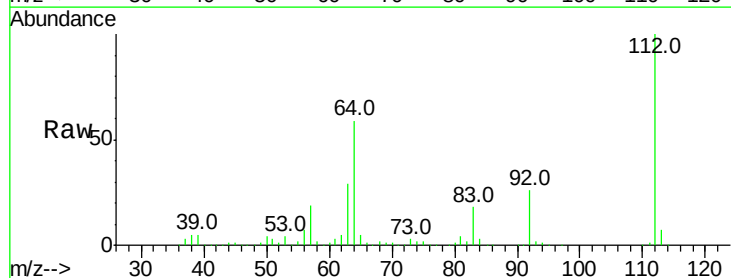
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



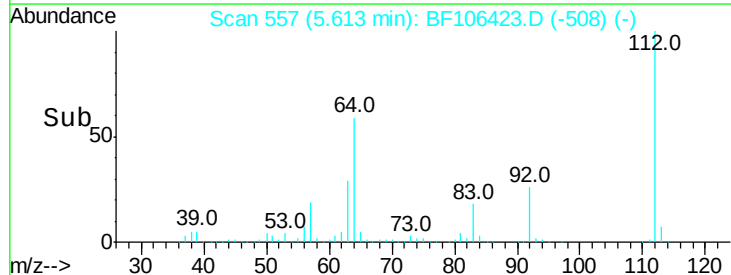
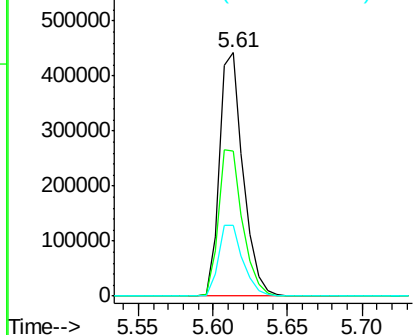
#5

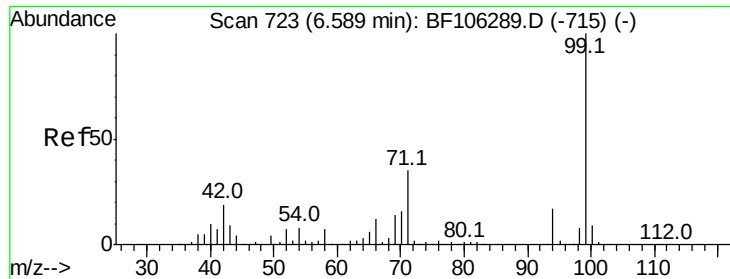
2-Fluorophenol
Concen: 54.074 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106423.D
Acq: 14 Jun 2018 6:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	29.3	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: 34.636 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

Instrument :

BNA_F

ClientSampled :

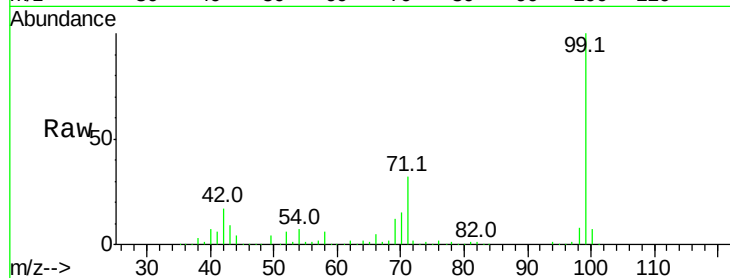
Tot Ion: 99 Resp: 398760

Ion Ratio Lower Upper

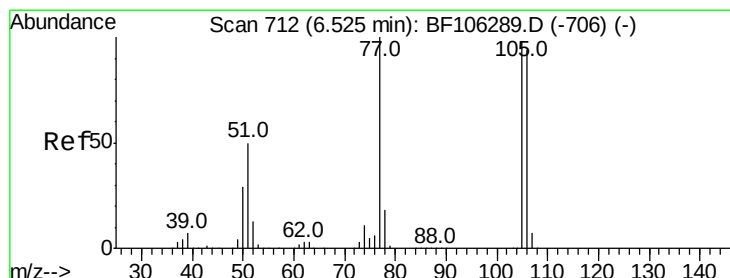
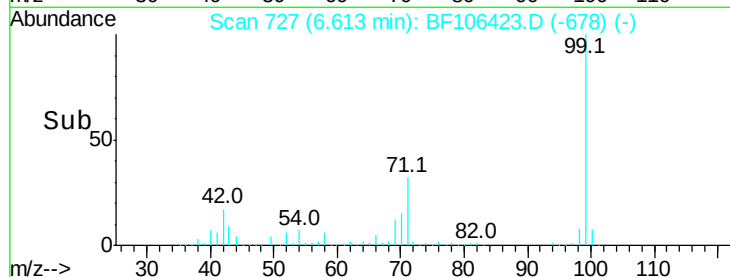
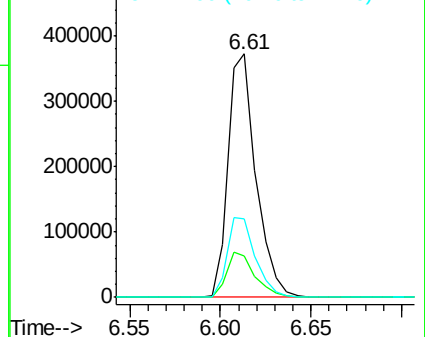
99 100

42 17.2 14.5 21.7

71 32.3 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: 2.171 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

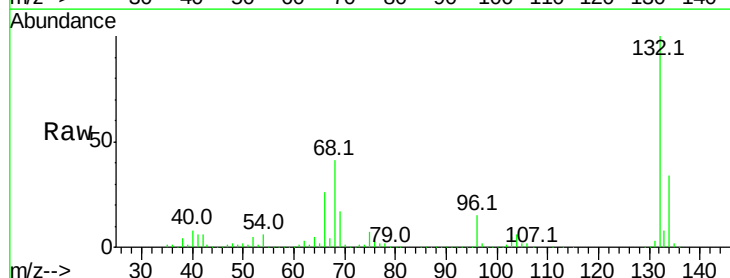
Tgt Ion: 77 Resp: 18957

Ion Ratio Lower Upper

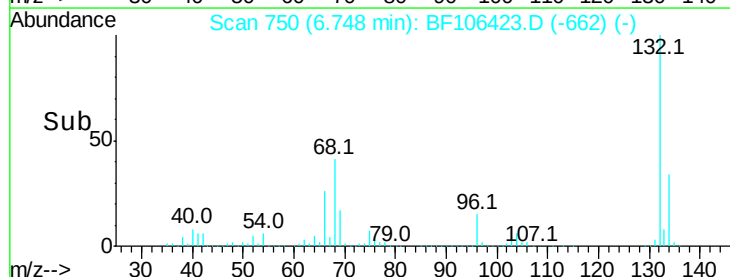
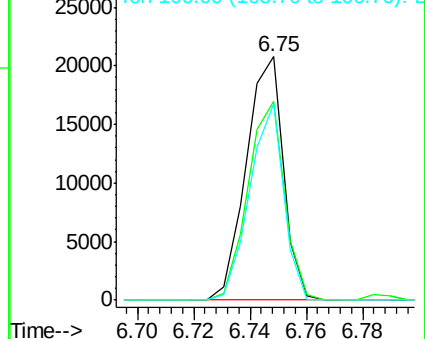
77 100

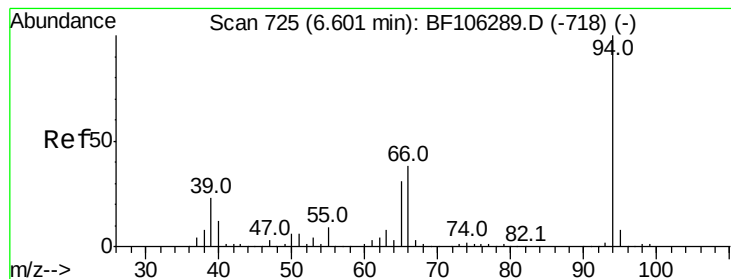
105 81.8 81.1 121.1

106 80.4 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: 4.036 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

Instrument :

BNA_F

ClientSampled :

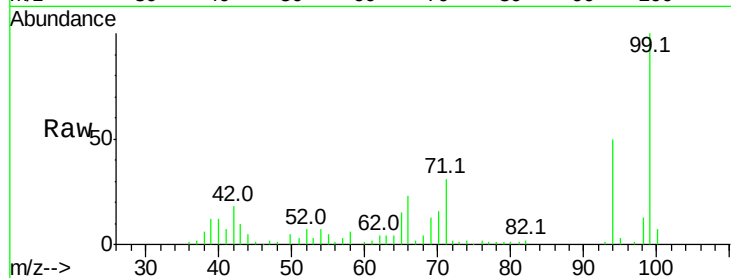
Tot Ion: 94 Resp: 50725

Ion Ratio Lower Upper

94 100

65 30.6 7.9 47.9

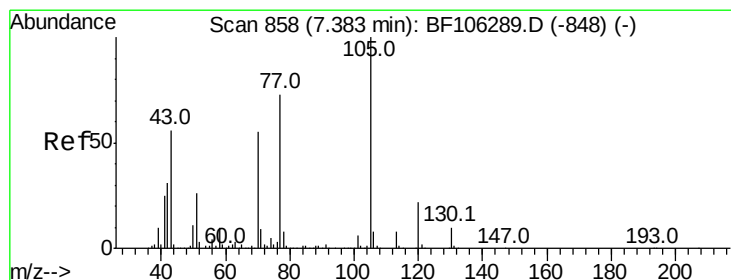
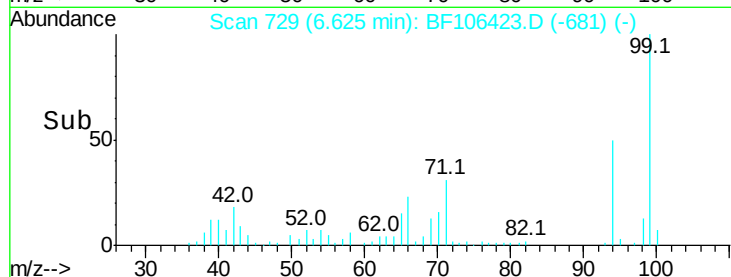
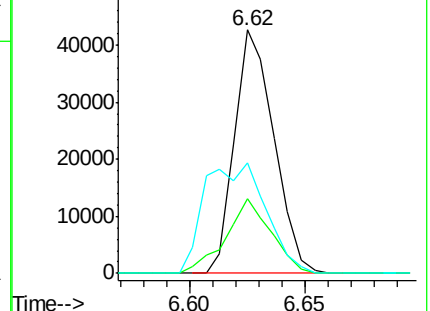
66 45.3 16.2 56.2



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: 12.565 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

Tgt Ion: 70 Resp: 108530

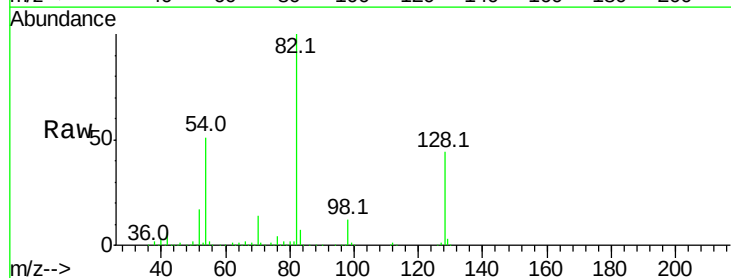
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

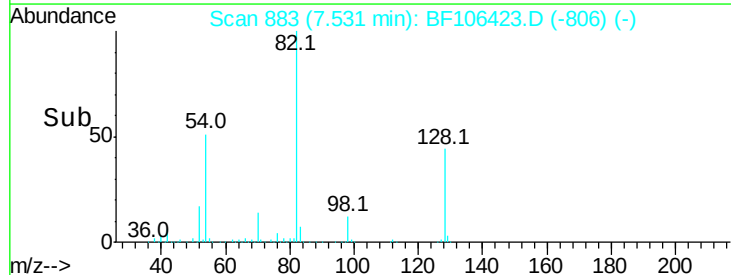
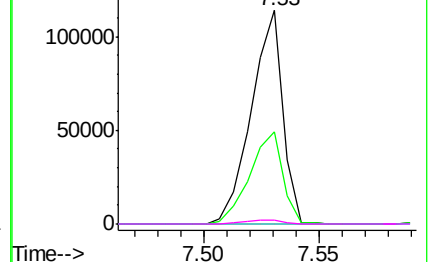


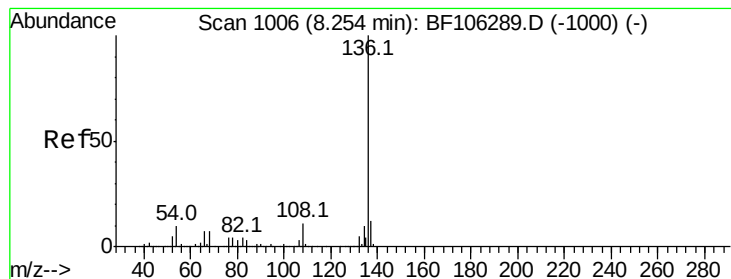
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106423.D

Acq: 14 Jun 2018 6:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 581328

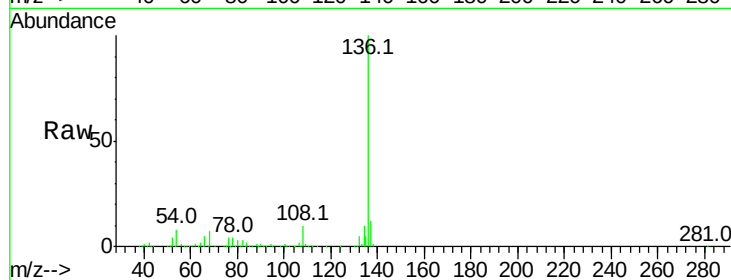
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 8.4 6.6 9.8

68 6.9 5.0 7.4

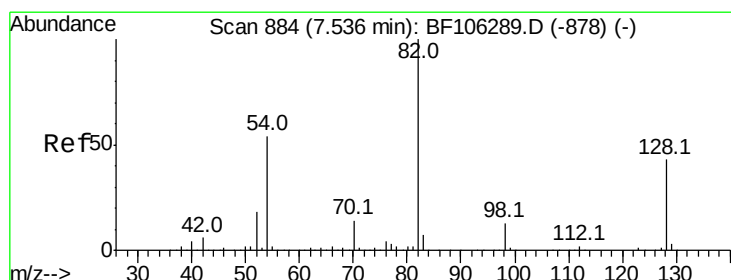
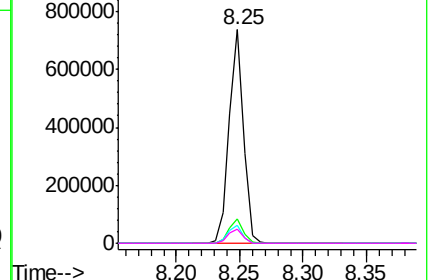
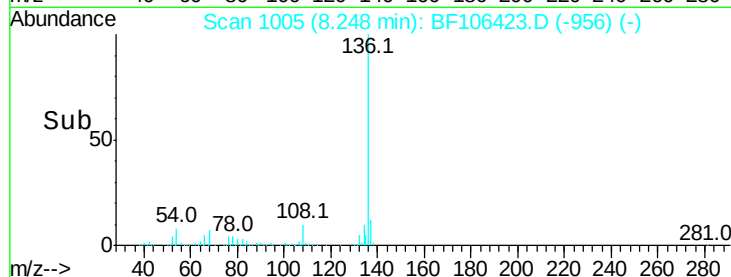


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.774 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

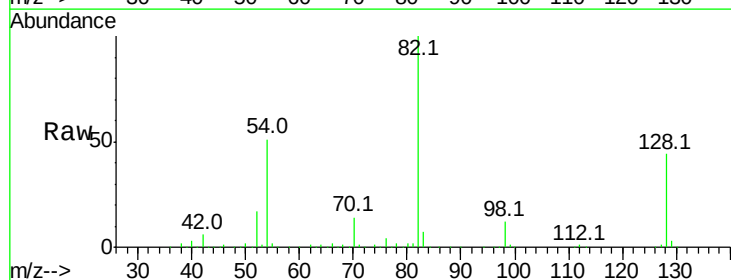
Tgt Ion: 82 Resp: 808073

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

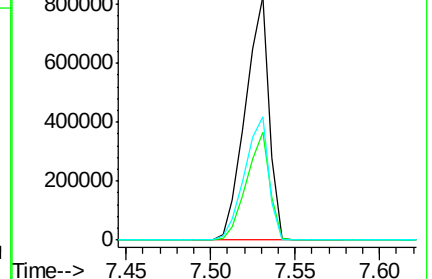
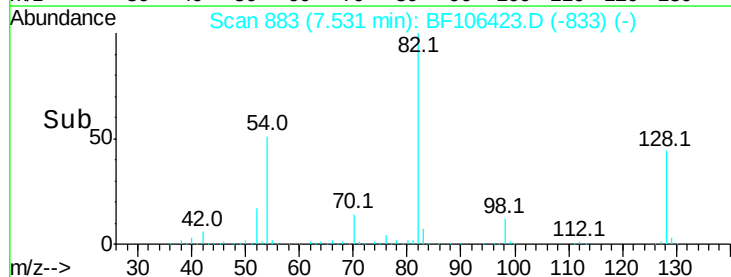
54 50.8 41.4 62.2

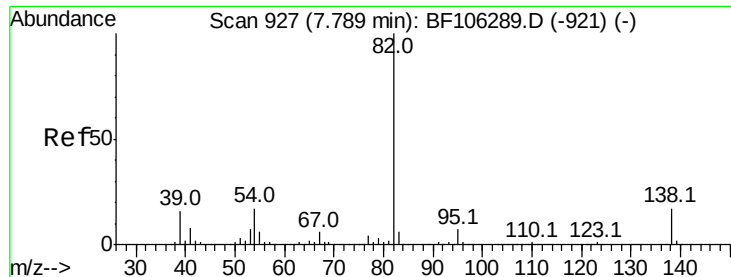


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.866 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

Instrument :

BNA_F

ClientSampleId :

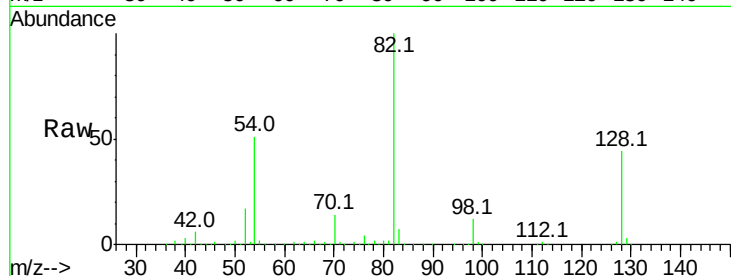
Tot Ion: 82 Resp: 808062

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

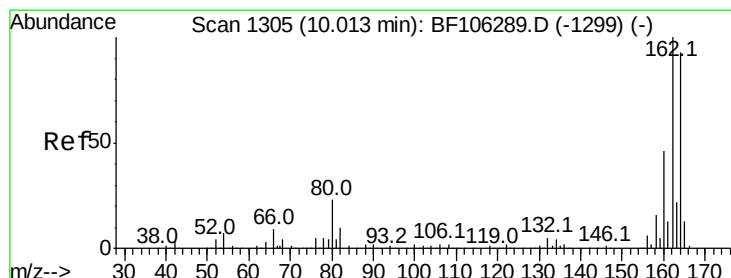
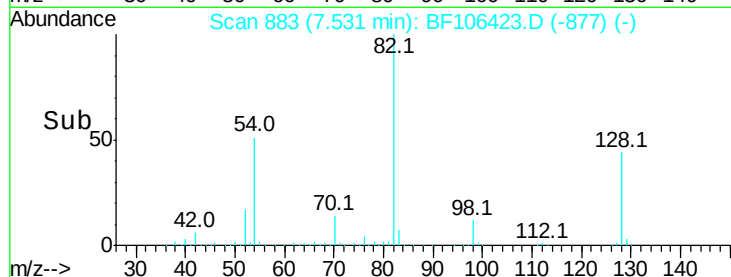
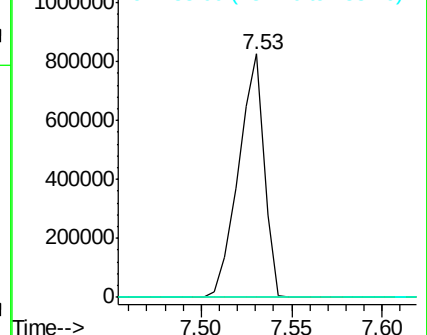
138 0.0 14.9 22.3#



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: BF106423.D

Acq: 14 Jun 2018 6:10

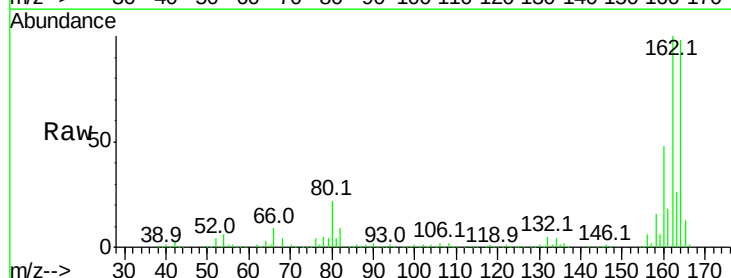
Tgt Ion:164 Resp: 278927

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

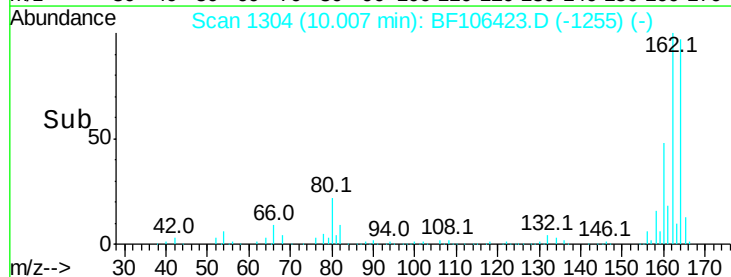
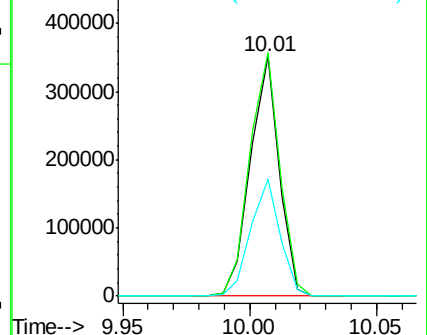
160 49.1 38.3 57.5

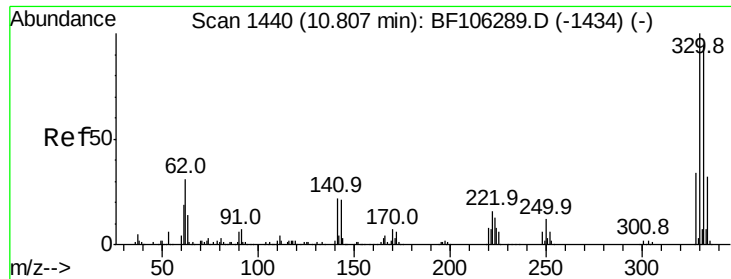


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

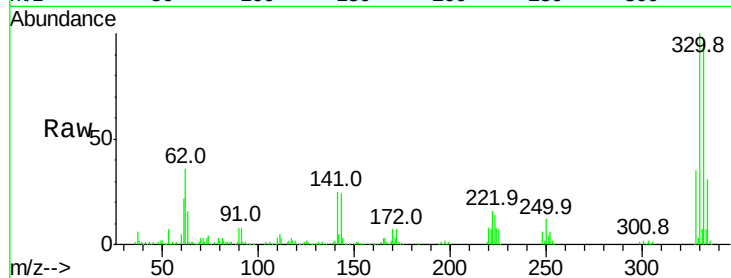




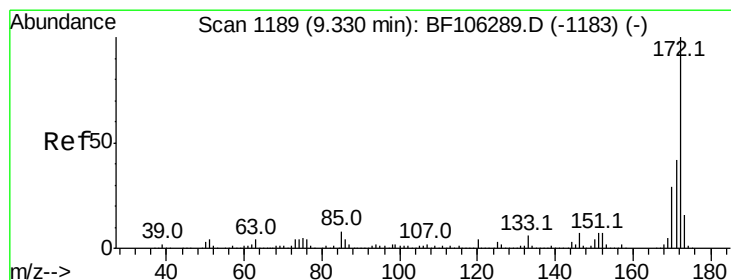
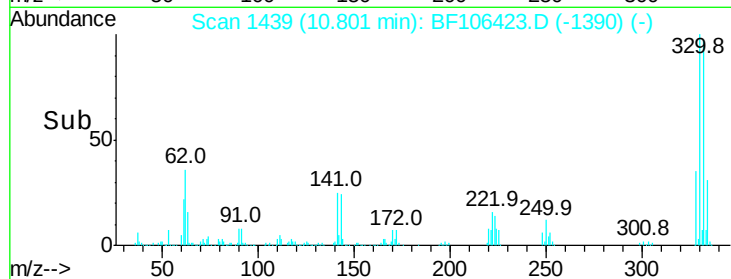
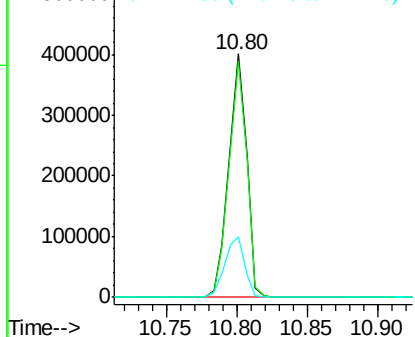
#41
 2,4,6-Tribromophenol
 Concen: 132.811 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106423.D
 Acq: 14 Jun 2018 6:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	27.5	29.9	44.9#

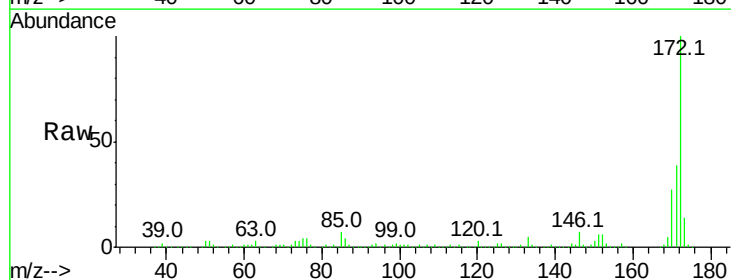


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

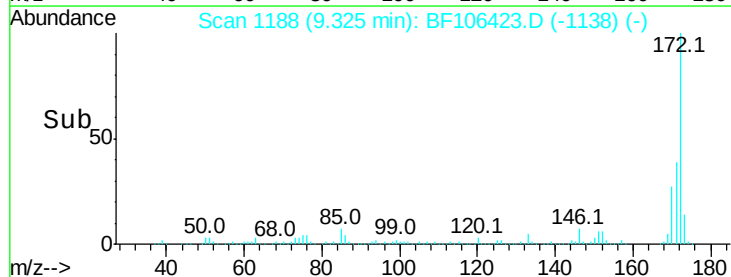
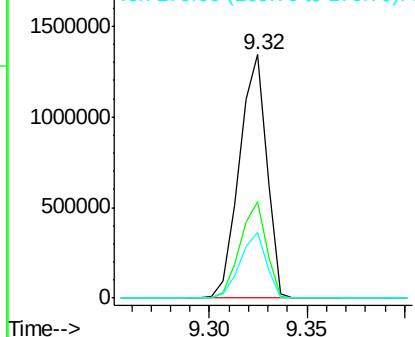


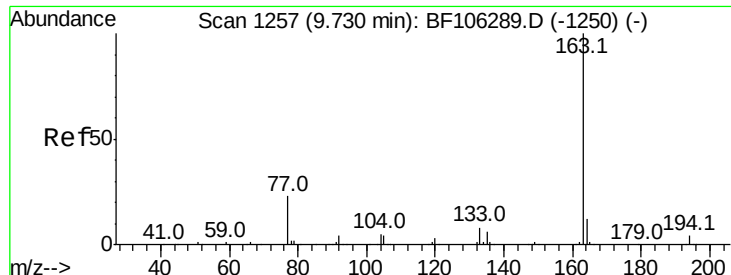
#44
 2-Fluorobiphenyl
 Concen: 82.150 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106423.D
 Acq: 14 Jun 2018 6:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.5	29.7	44.5
170	26.8	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

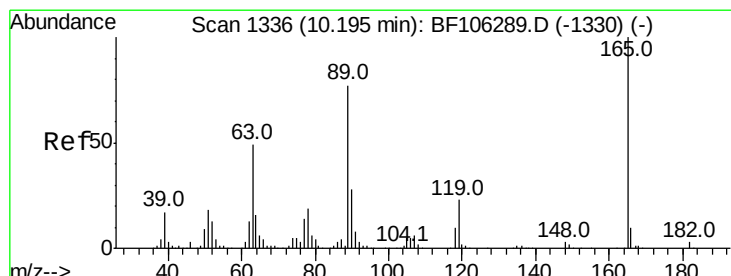
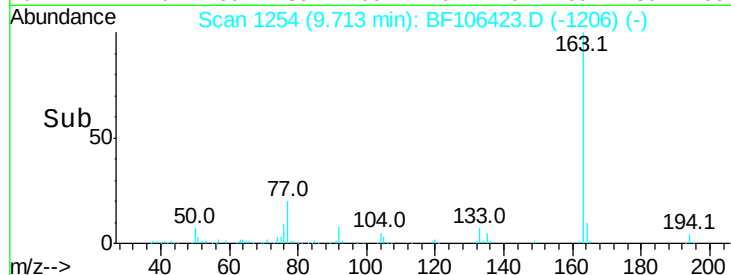
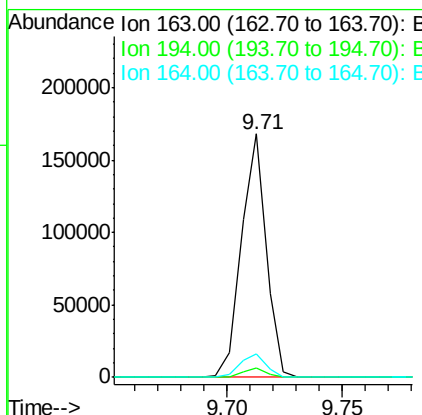
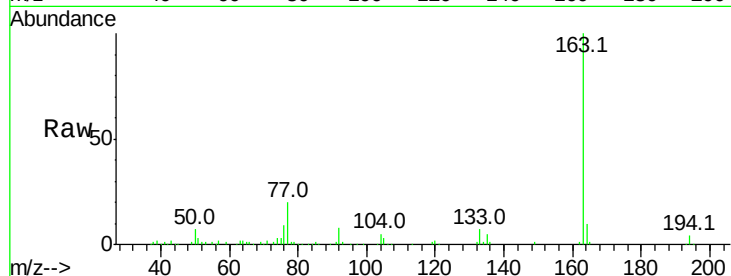




#49
Dimethylphthalate
Concen: 6.332 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106423.D
Acq: 14 Jun 2018 6:10

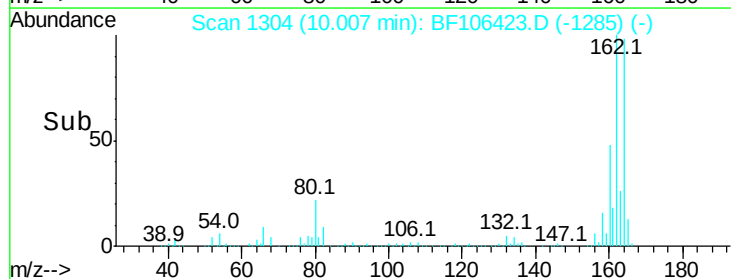
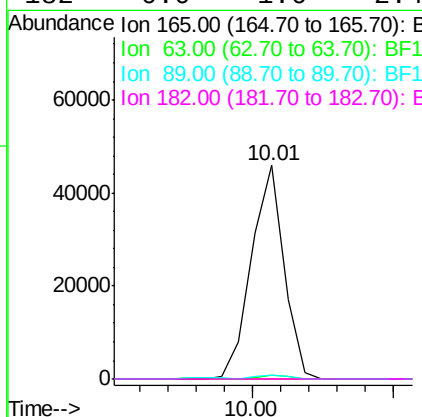
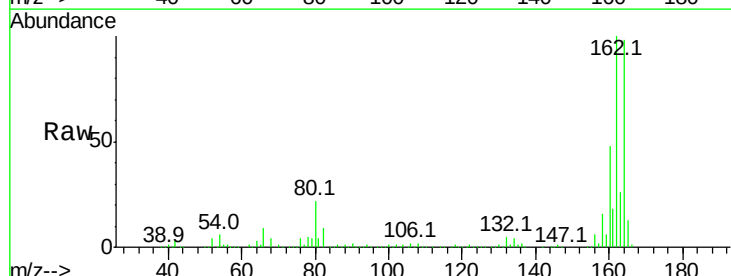
Instrument :
BNA_F
ClientSampleId :

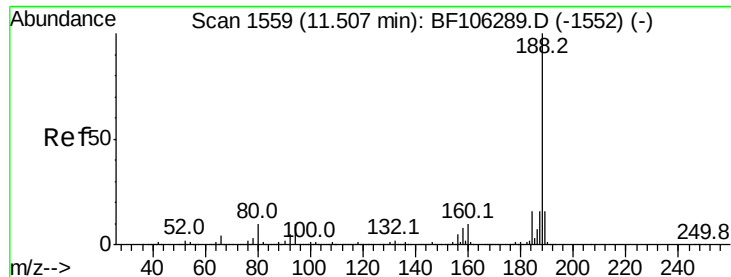
Tot Ion:163 Resp: 126184
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.8 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.205 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF106423.D
Acq: 14 Jun 2018 6:10

Tgt Ion:165 Resp: 36830
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

Instrument :

BNA_F

ClientSampleId :

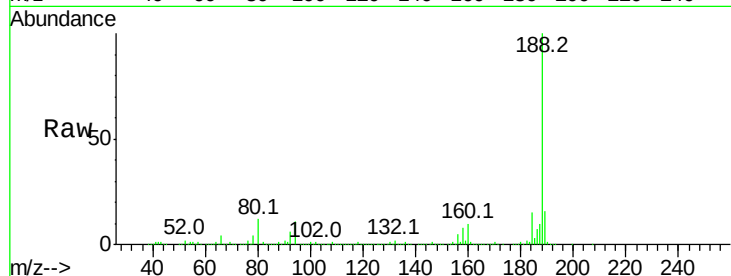
Tot Ion:188 Resp: 516649

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

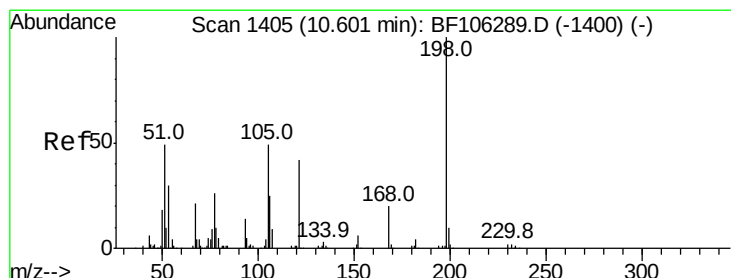
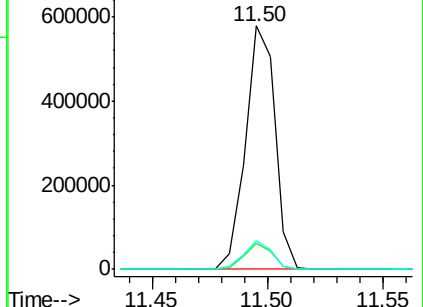
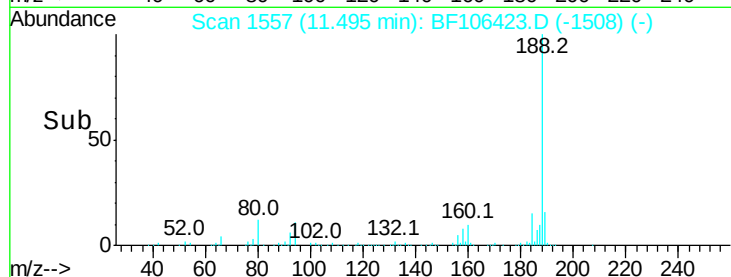
80 12.0 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.541 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

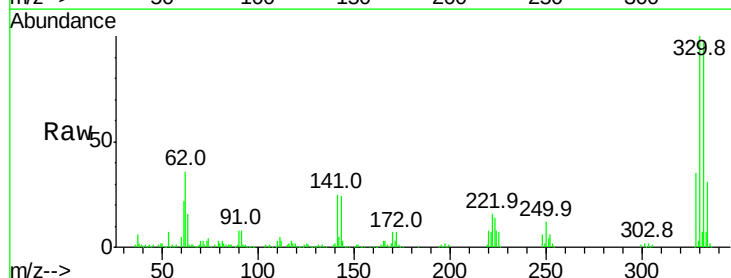
Tgt Ion:198 Resp: 790

Ion Ratio Lower Upper

198 100

51 112.7 37.7 77.7#

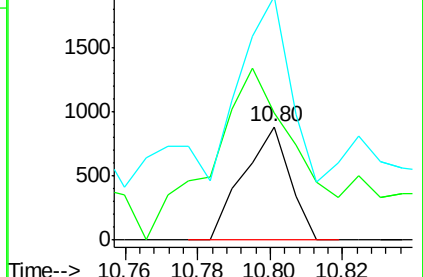
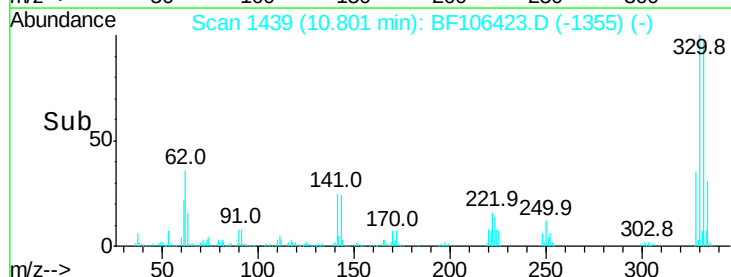
105 214.8 36.3 76.3#

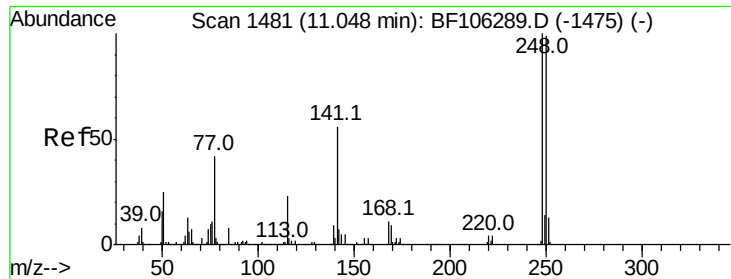


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

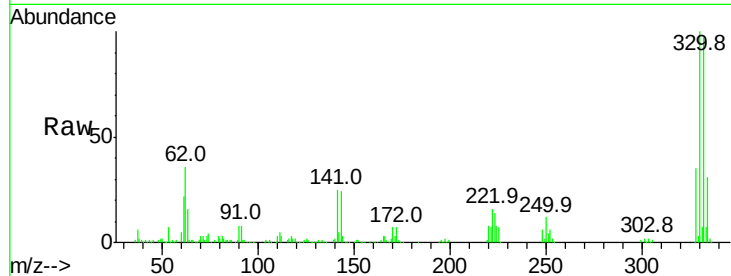




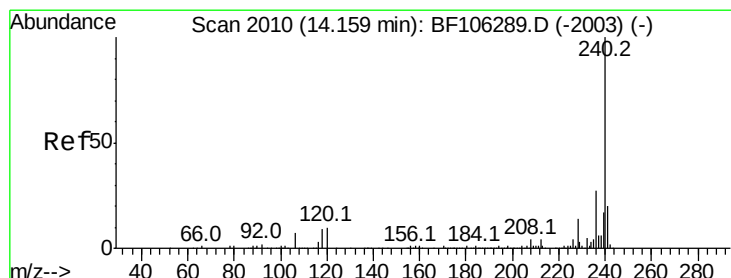
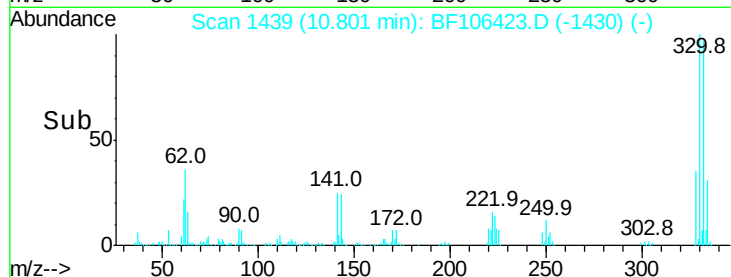
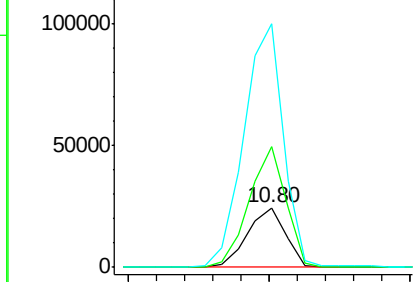
#66
 4-Bromophenyl-phenylether
 Concen: 3.907 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF106423.D
 Acq: 14 Jun 2018 6:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 22960
 Ion Ratio Lower Upper
 248 100
 250 201.9 76.9 115.3#
 141 407.5 74.4 111.6#

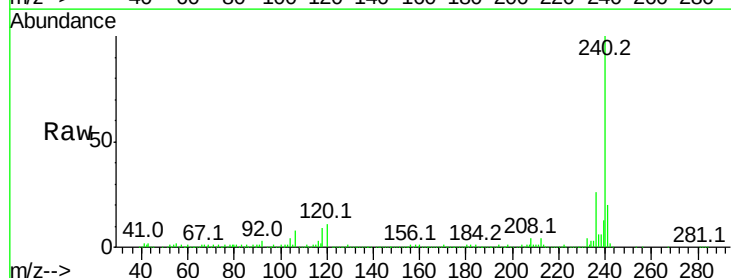


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

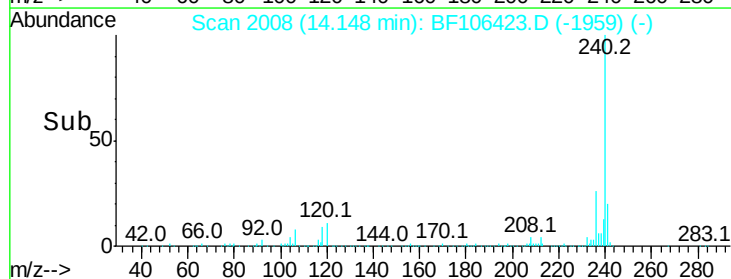
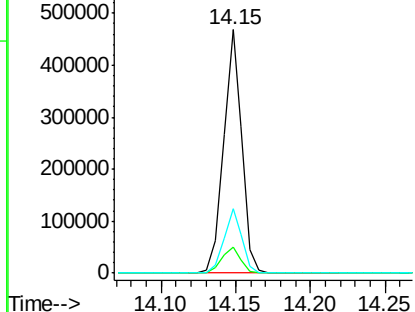


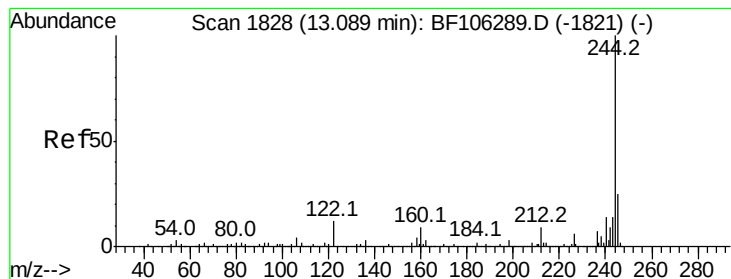
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF106423.D
 Acq: 14 Jun 2018 6:10

Tgt Ion:240 Resp: 403718
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.5 14.3
 236 26.4 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: 75.752 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BF106423.D

Acq: 14 Jun 2018 6:10

Instrument :

BNA_F

ClientSampleId :

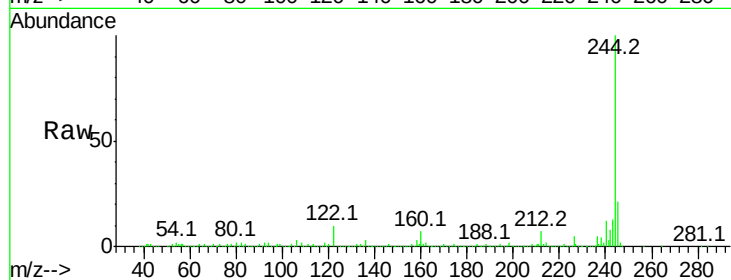
Tot Ion:244 Resp: 1231290

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

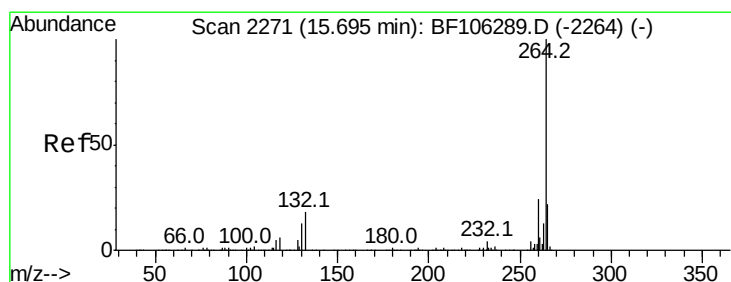
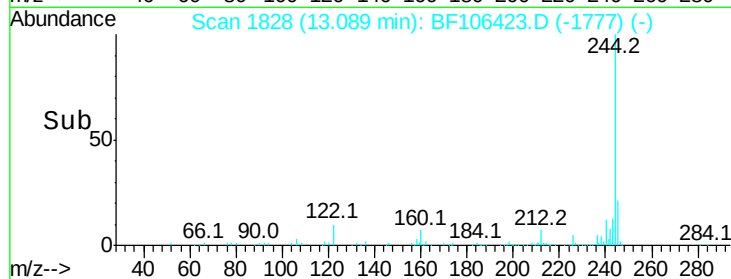
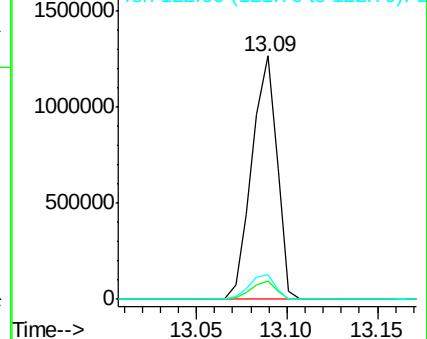
122 10.3 11.0 16.4#



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: BF106423.D

Acq: 14 Jun 2018 6:10

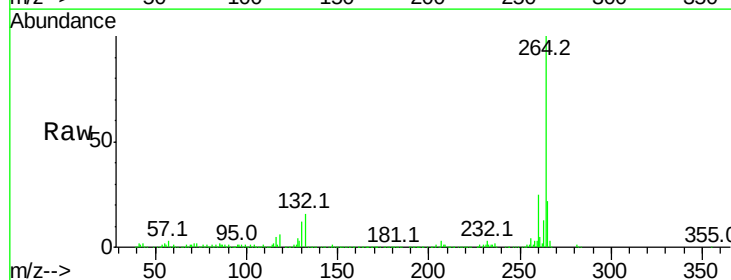
Tgt Ion:264 Resp: 379691

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.0 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

