

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106417.D
 Acq On : 14 Jun 2018 3:29
 Operator : JU/SJ
 Sample : PB110157BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:13:14 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

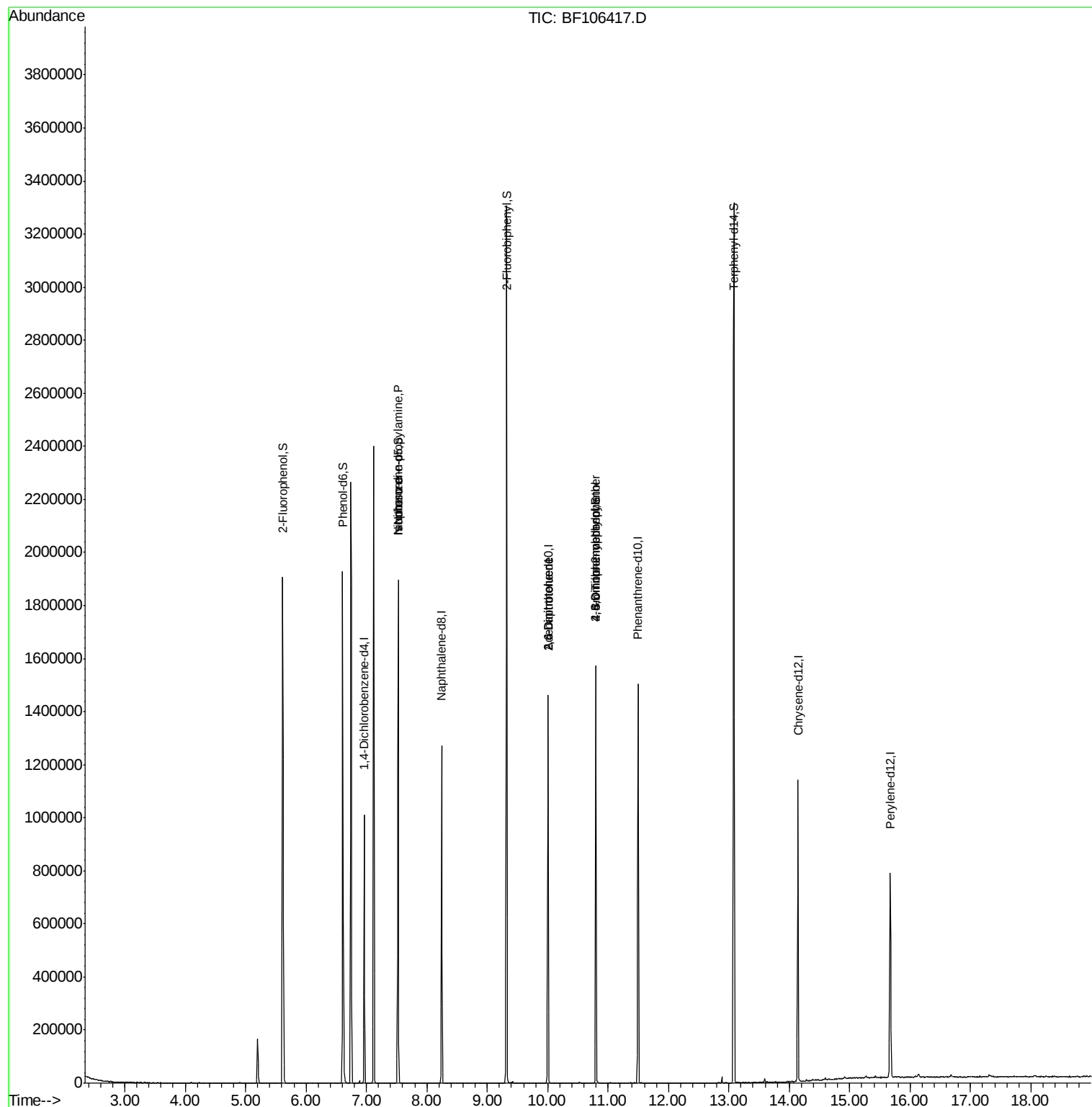
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	139698	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	541154	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	261836	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	513902	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	360558	20.00	ng	-0.02
86) Perylene-d12	15.67	264	360727	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	573078	69.43	ng	-0.01
7) Phenol-d6	6.61	99	719824	69.03	ng	-0.02
23) Nitrobenzene-d5	7.52	82	656294	71.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	189421	75.19	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1127458	73.04	ng	0.00
78) Terphenyl-d14	13.08	244	1147792	79.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	88268	11.282	ng	# 75
25) Isophorone	7.52	82	656287	36.526	ng	# 64
50) 2,6-Dinitrotoluene	10.01	165	33772	8.838	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	33772	7.038	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	279	6.382	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	12625	2.160	ng	# 1

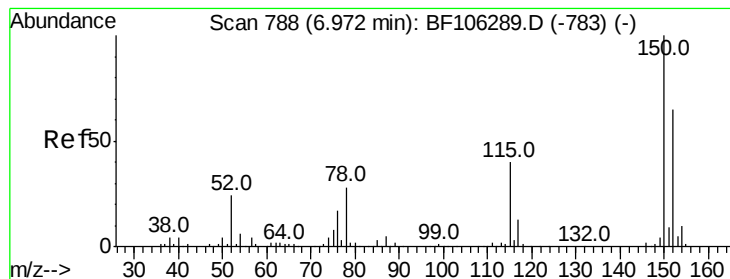
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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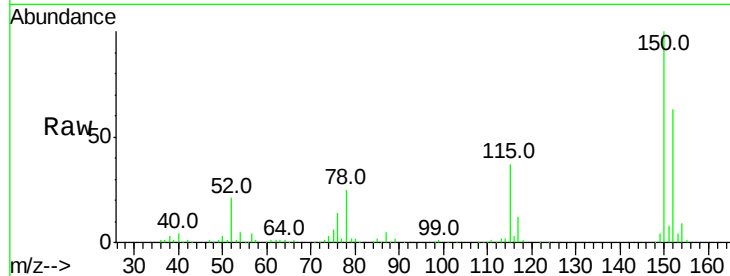


#1

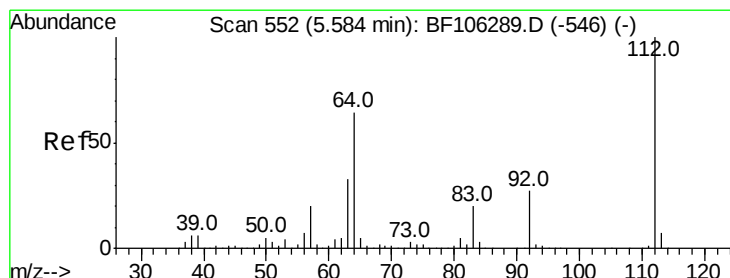
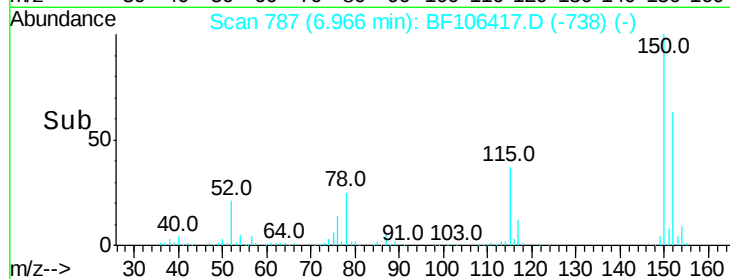
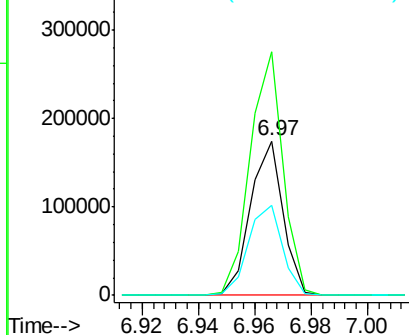
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106417.D
Acq: 14 Jun 2018 3:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139698
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 58.2 50.1 75.1



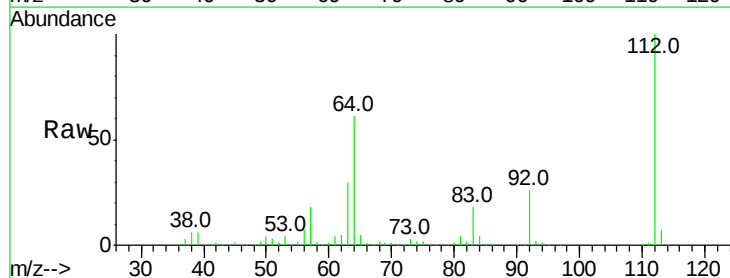
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



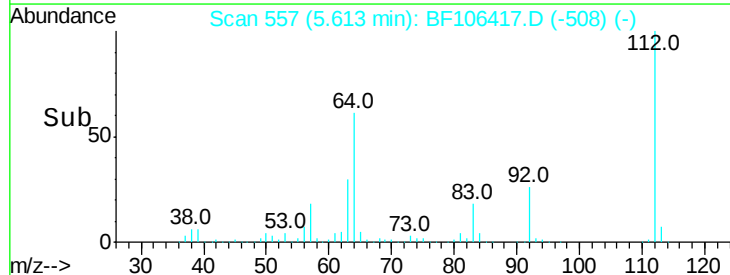
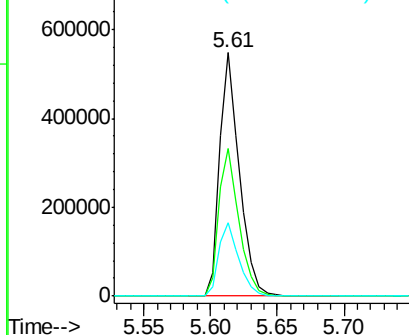
#5

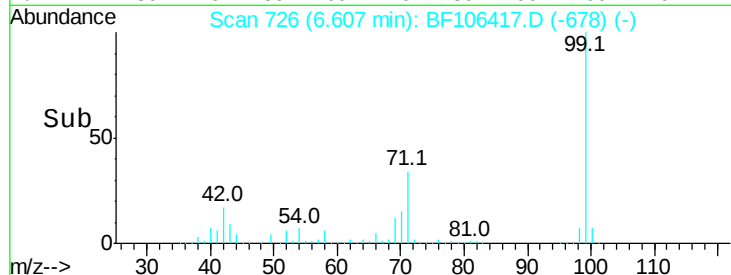
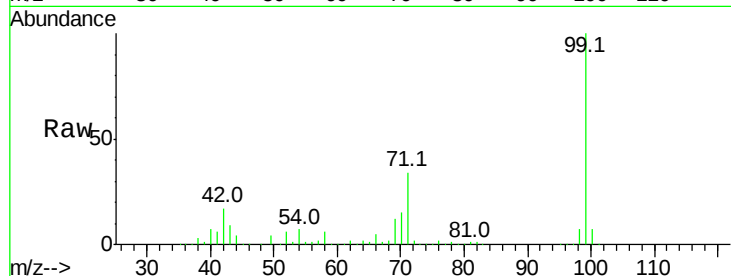
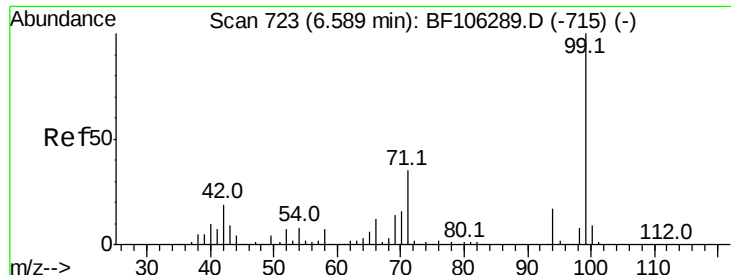
2-Fluorophenol
Concen: 69.431 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106417.D
Acq: 14 Jun 2018 3:29

Tgt Ion:112 Resp: 573078
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 30.2 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: 69.027 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Instrument :

BNA_F

ClientSampleId :

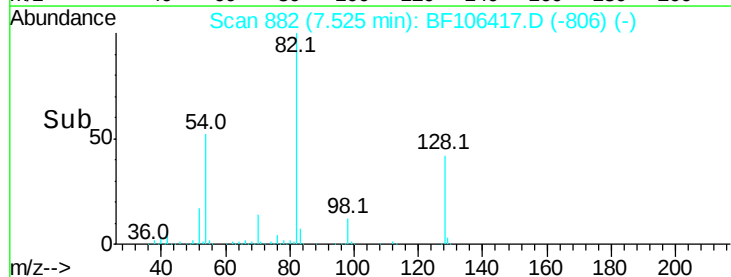
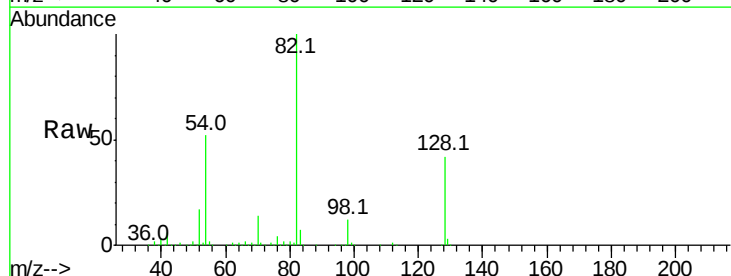
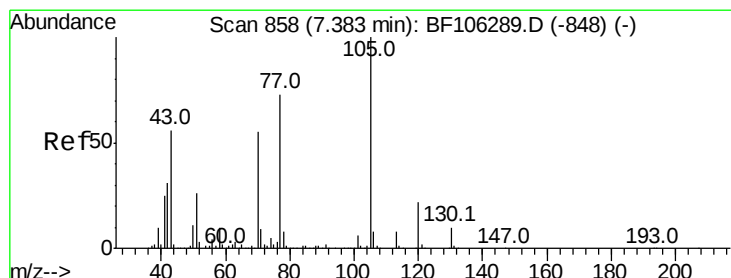
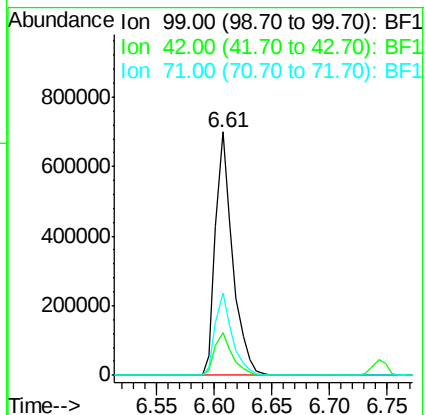
Tot Ion: 99 Resp: 719824

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.282 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Tgt Ion: 70 Resp: 88268

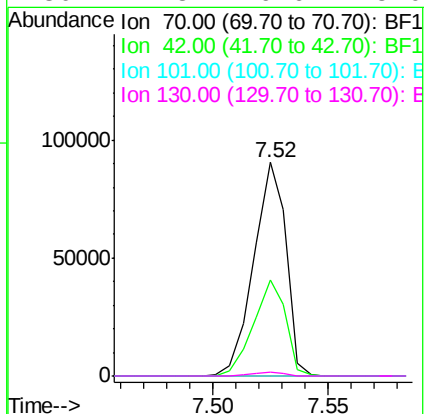
Ion Ratio Lower Upper

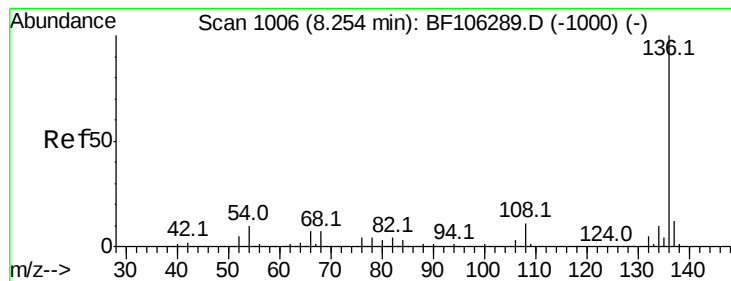
70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 541154

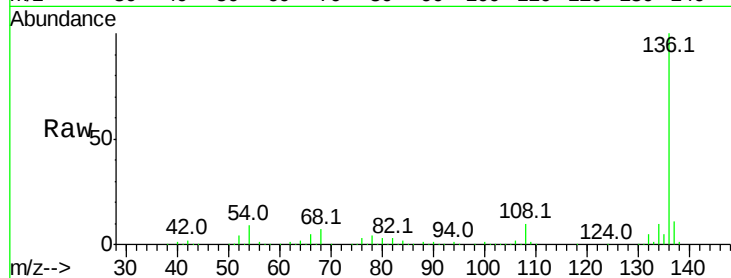
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.6 6.6 9.8

68 6.5 5.0 7.4

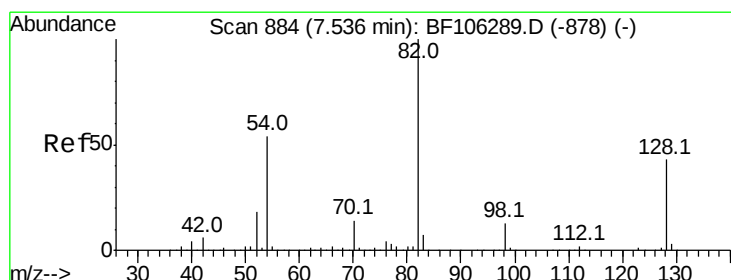
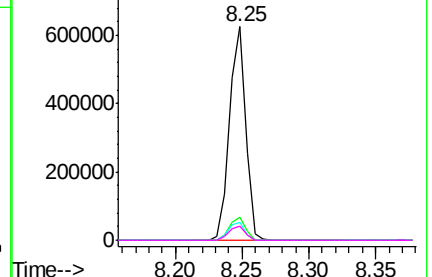
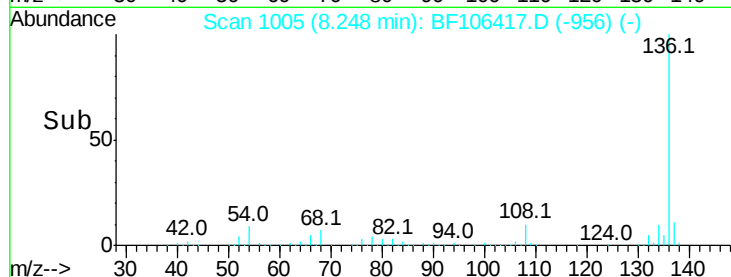


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.345 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

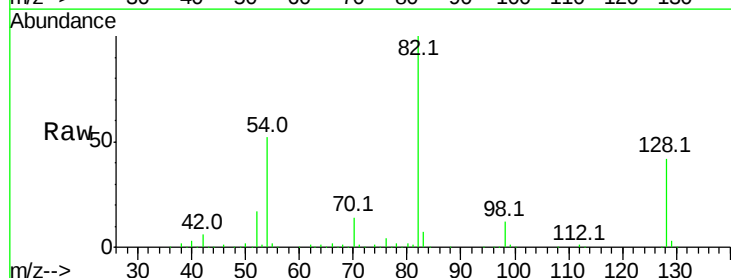
Tgt Ion: 82 Resp: 656294

Ion Ratio Lower Upper

82 100

128 42.2 36.1 54.1

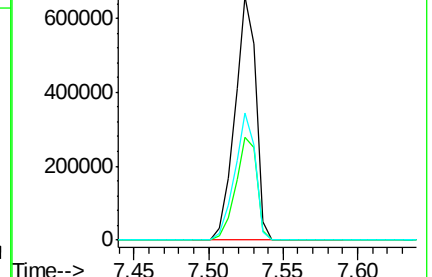
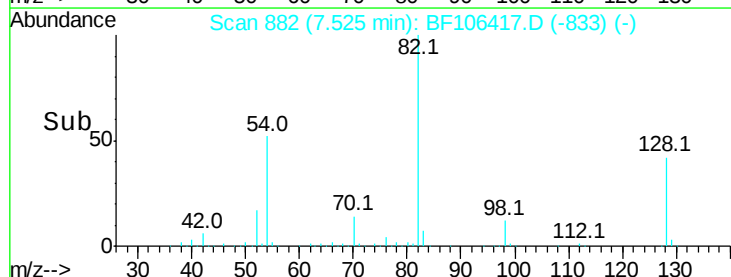
54 52.4 41.4 62.2

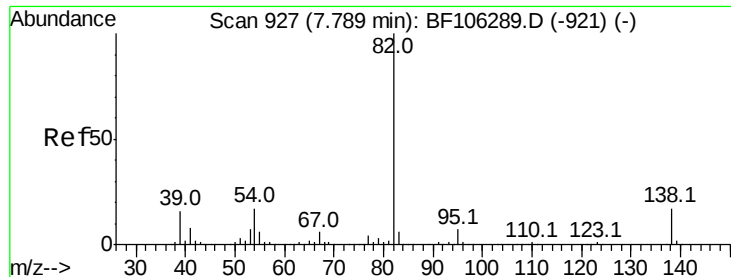


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.526 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Instrument :

BNA_F

ClientSampleId :

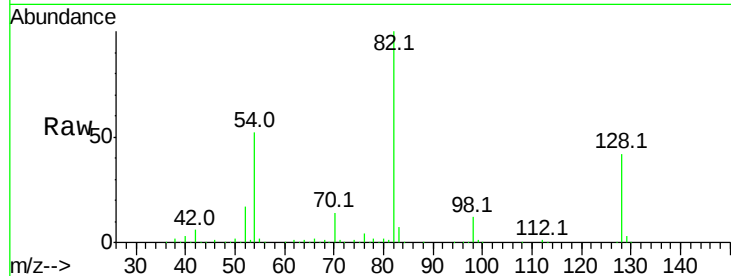
Tot Ion: 82 Resp: 656287

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

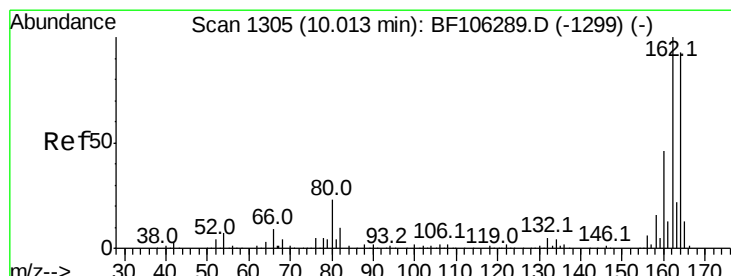
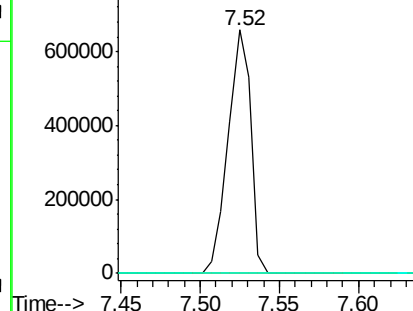
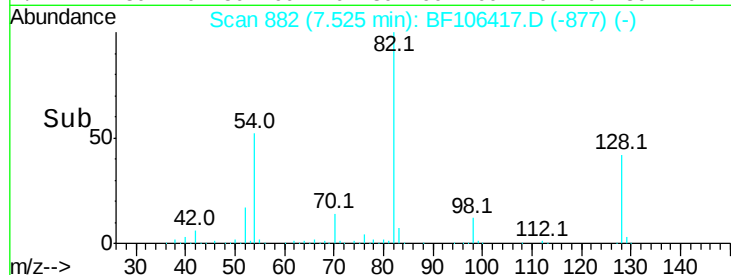
138 0.0 14.9 22.3#



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: BF106417.D

Acq: 14 Jun 2018 3:29

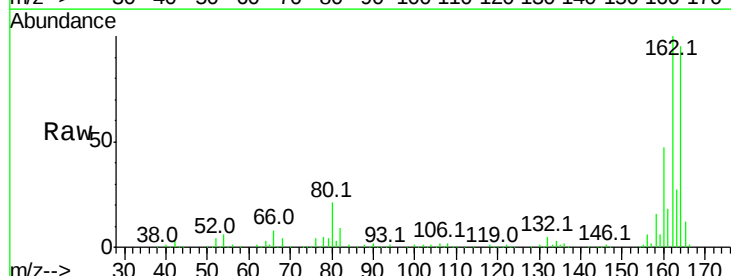
Tgt Ion: 164 Resp: 261836

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

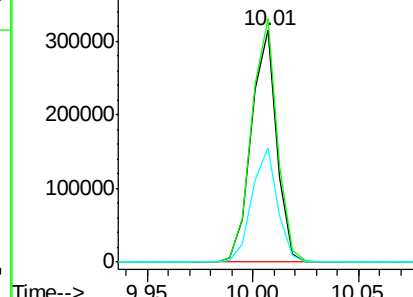
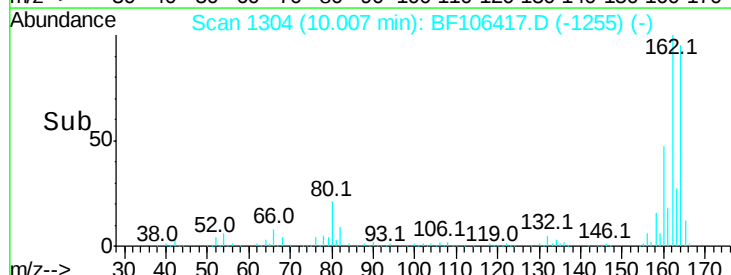
160 49.6 38.3 57.5

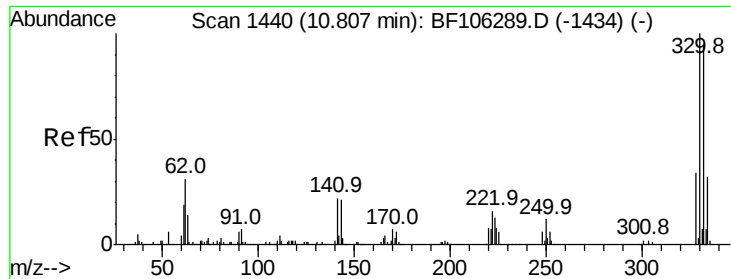


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 75.187 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF106417.D

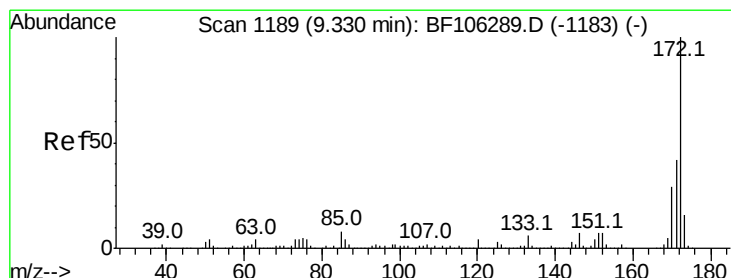
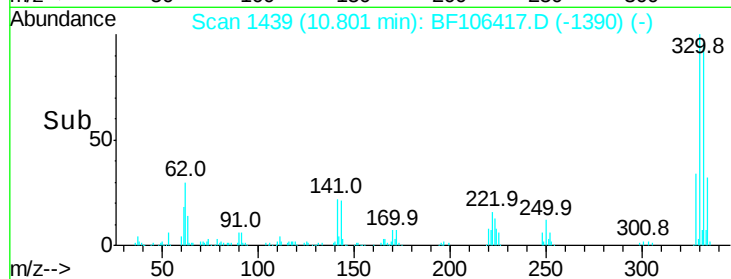
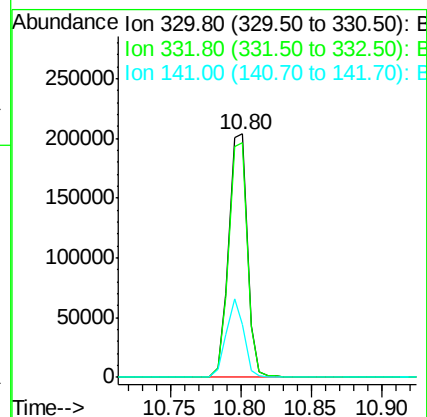
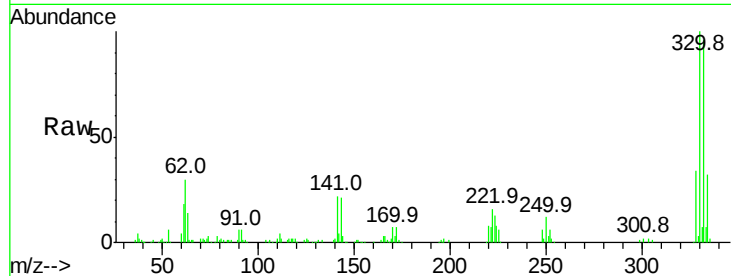
Acq: 14 Jun 2018 3:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	189421
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	29.9	29.9	44.9#



#44

2-Fluorobiphenyl

Concen: 73.044 ng

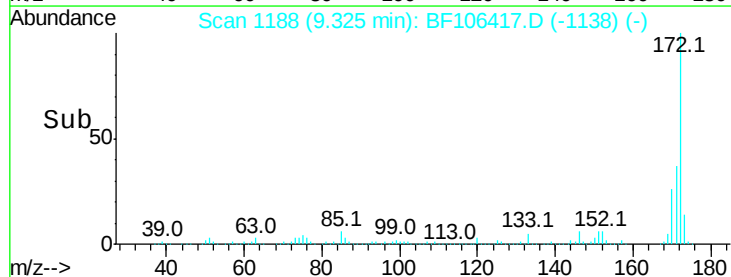
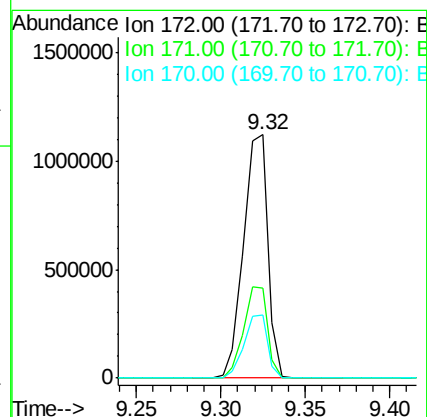
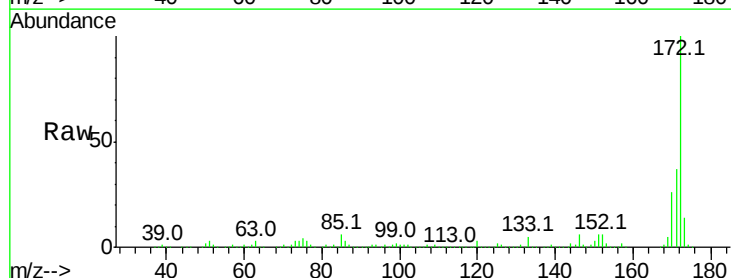
RT: 9.32 min Scan# 1188

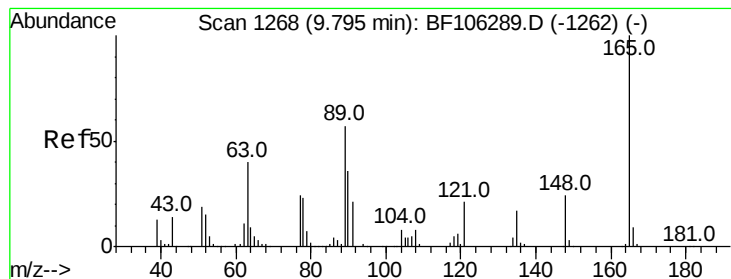
Delta R.T. -0.01 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Tgt Ion:	172	Resp:	1127458
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	25.8	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 8.838 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Instrument :

BNA_F

ClientSampleId :

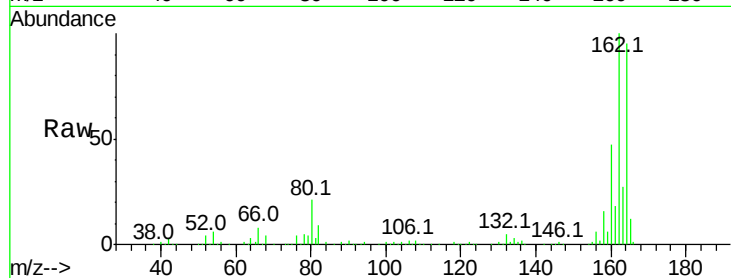
Tot Ion:165 Resp: 33772

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

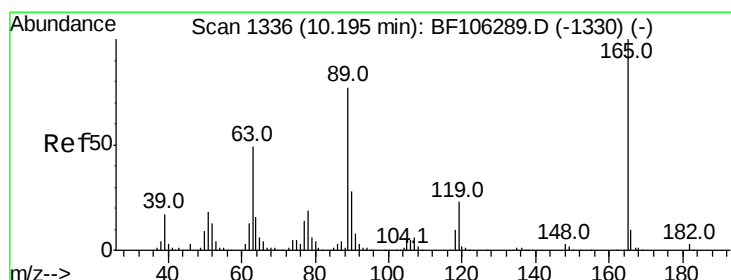
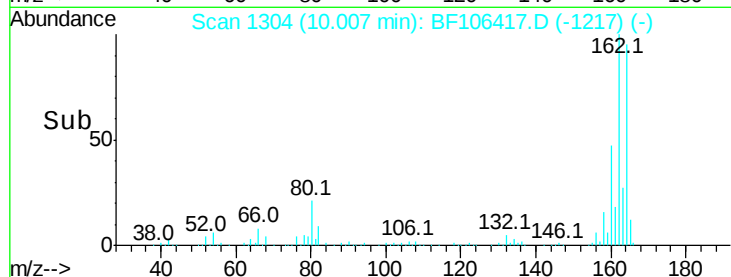
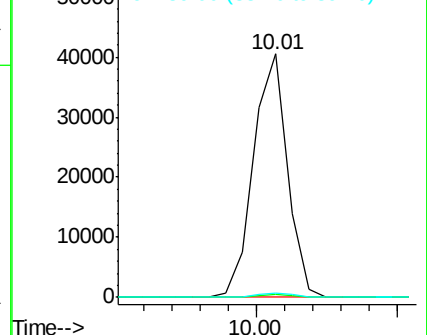
89 1.8 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 7.038 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

Tgt Ion:165 Resp: 33772

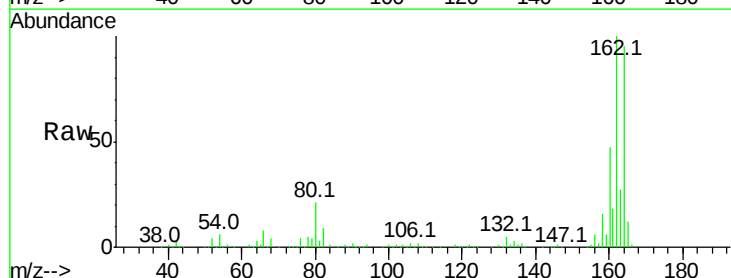
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

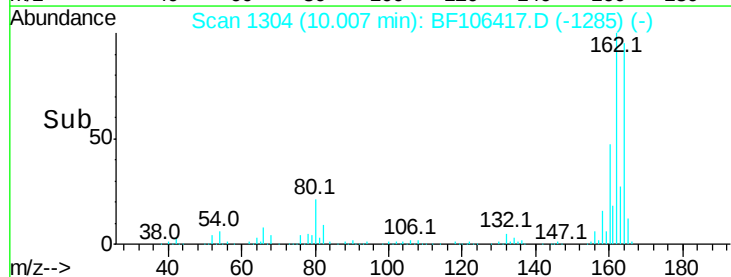
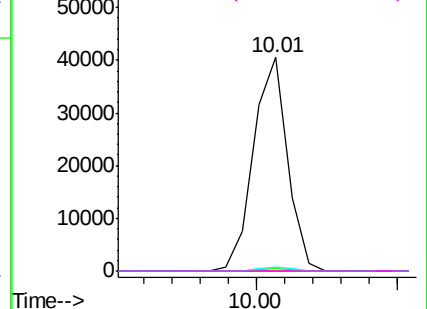


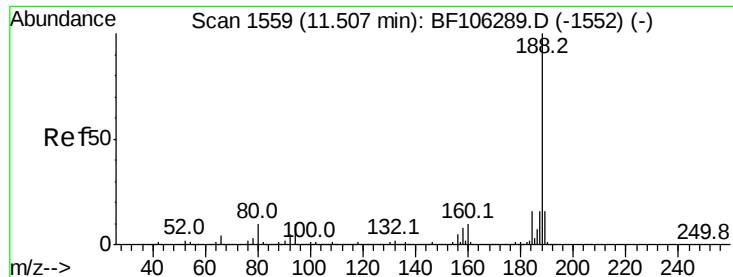
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF106417.D

Acq: 14 Jun 2018 3:29

Instrument :

BNA_F

ClientSampleId :

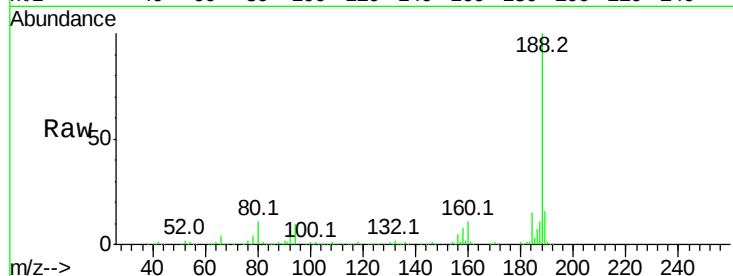
Tot Ion:188 Resp: 513902

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

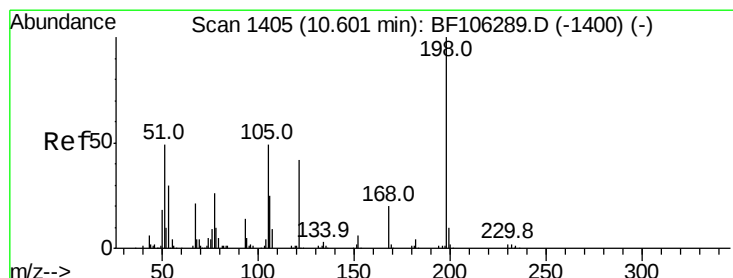
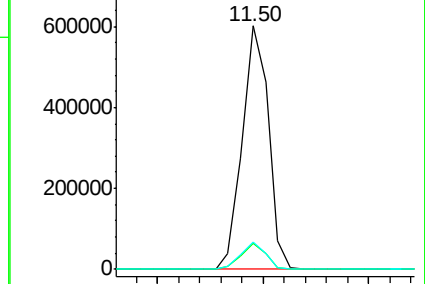
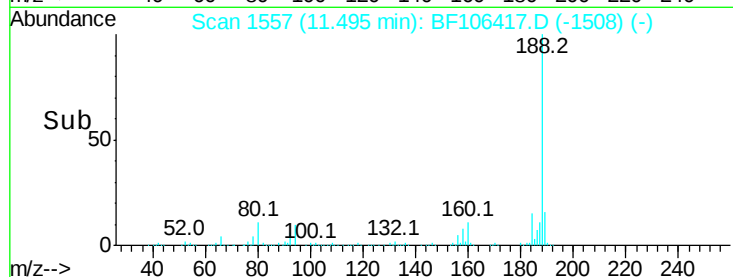
80 11.5 9.2 13.8



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: 6.382 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106417.D

Acq: 14 Jun 2018 3:29

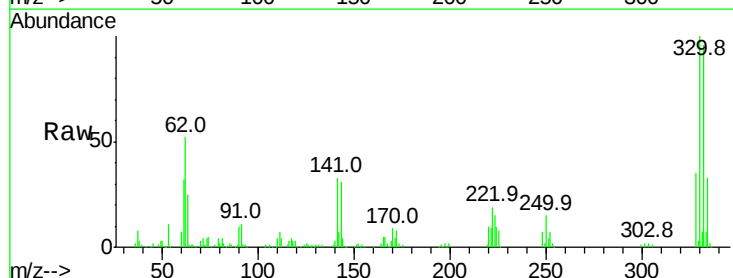
Tgt Ion:198 Resp: 279

Ion Ratio Lower Upper

198 100

51 208.9 37.7 77.7#

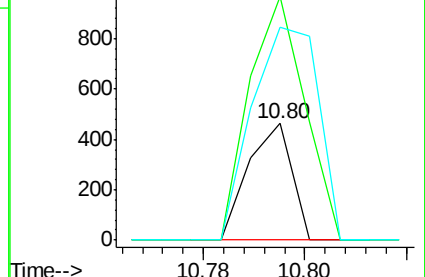
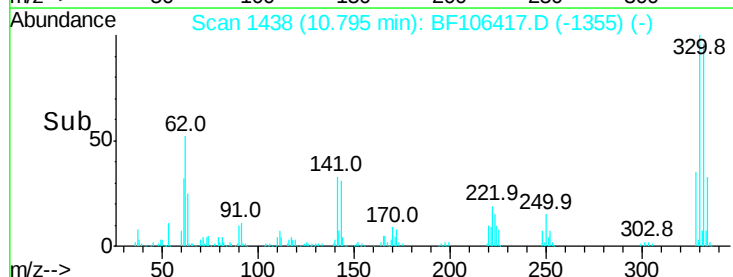
105 182.3 36.3 76.3#

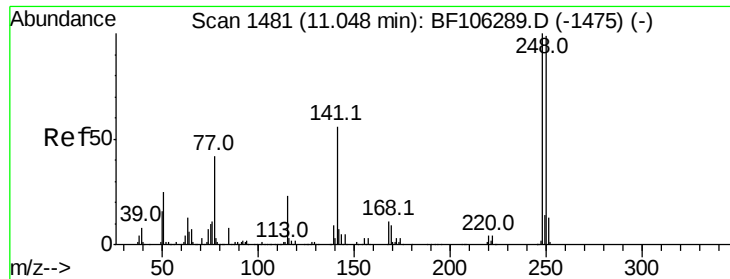


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

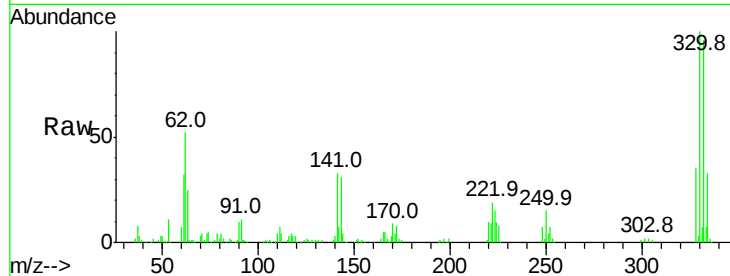




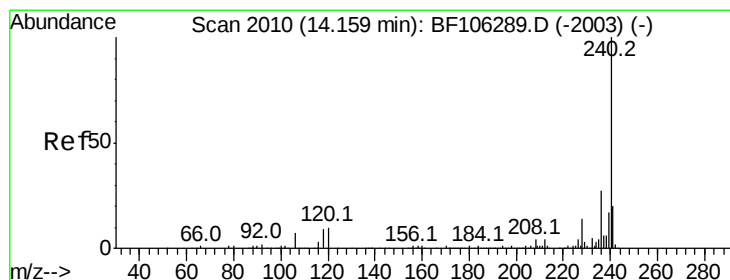
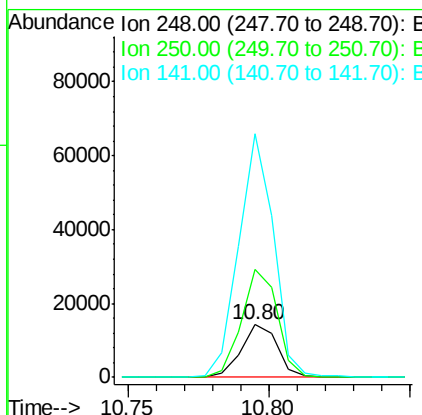
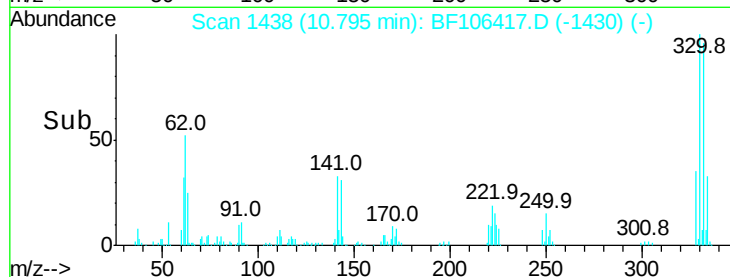
#66
 4-Bromophenyl-phenylether
 Concen: 2.160 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF106417.D
 Acq: 14 Jun 2018 3:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12625
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.9 115.3#
 141 463.9 74.4 111.6#

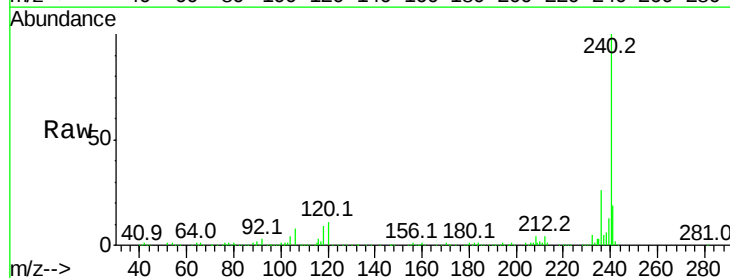


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

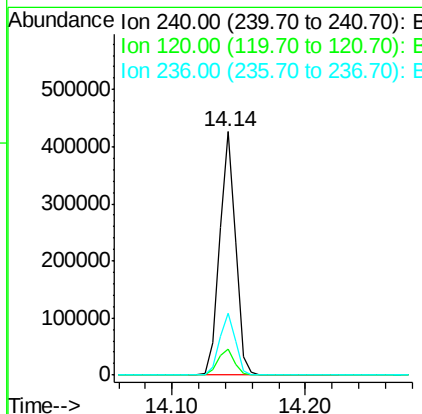
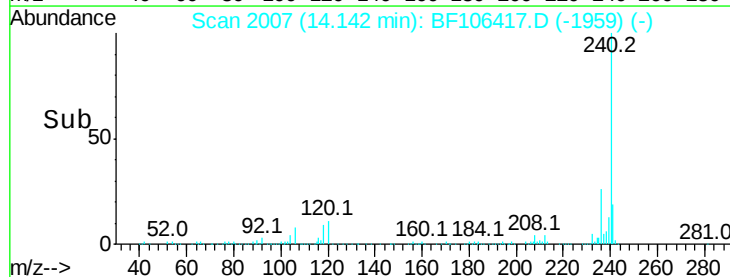


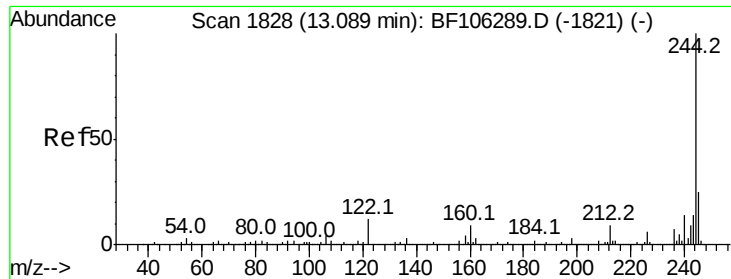
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.02 min
 Lab File: BF106417.D
 Acq: 14 Jun 2018 3:29

Tgt Ion:240 Resp: 360558
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.5 14.3
 236 25.6 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

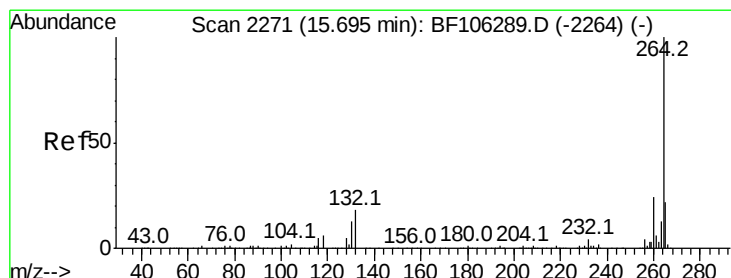
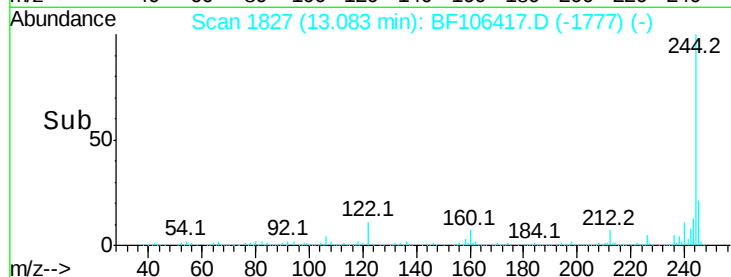
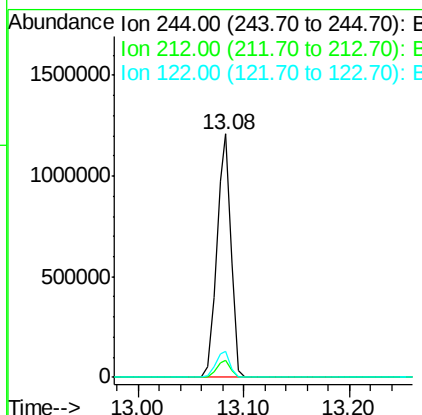
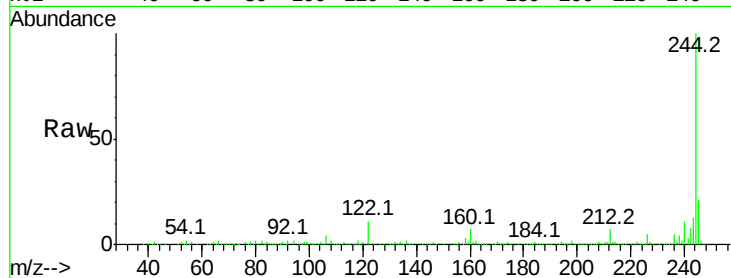




#78
 Terphenyl-d14
 Concen: 79.068 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106417.D
 Acq: 14 Jun 2018 3:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1147792
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 10.6 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF106417.D
 Acq: 14 Jun 2018 3:29

Tgt Ion:264 Resp: 360727
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.4 17.5 26.3

