

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106379.D
 Acq On : 13 Jun 2018 7:58
 Operator : JU/SJ
 Sample : J3398-07
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 10:44:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	130351	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	440813	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	190534	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	384046	20.00	ng	0.00
75) Chrysene-d12	14.15	240	388731	20.00	ng	0.00
86) Perylene-d12	15.69	264	278577	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	449464	58.36	ng	0.04
7) Phenol-d6	6.64	99	332861	34.21	ng	0.05
23) Nitrobenzene-d5	7.54	82	688089	91.83	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	274582	149.78	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1085673	111.16	ng	0.00
78) Terphenyl-d14	13.09	244	1312198	83.84	ng	0.00

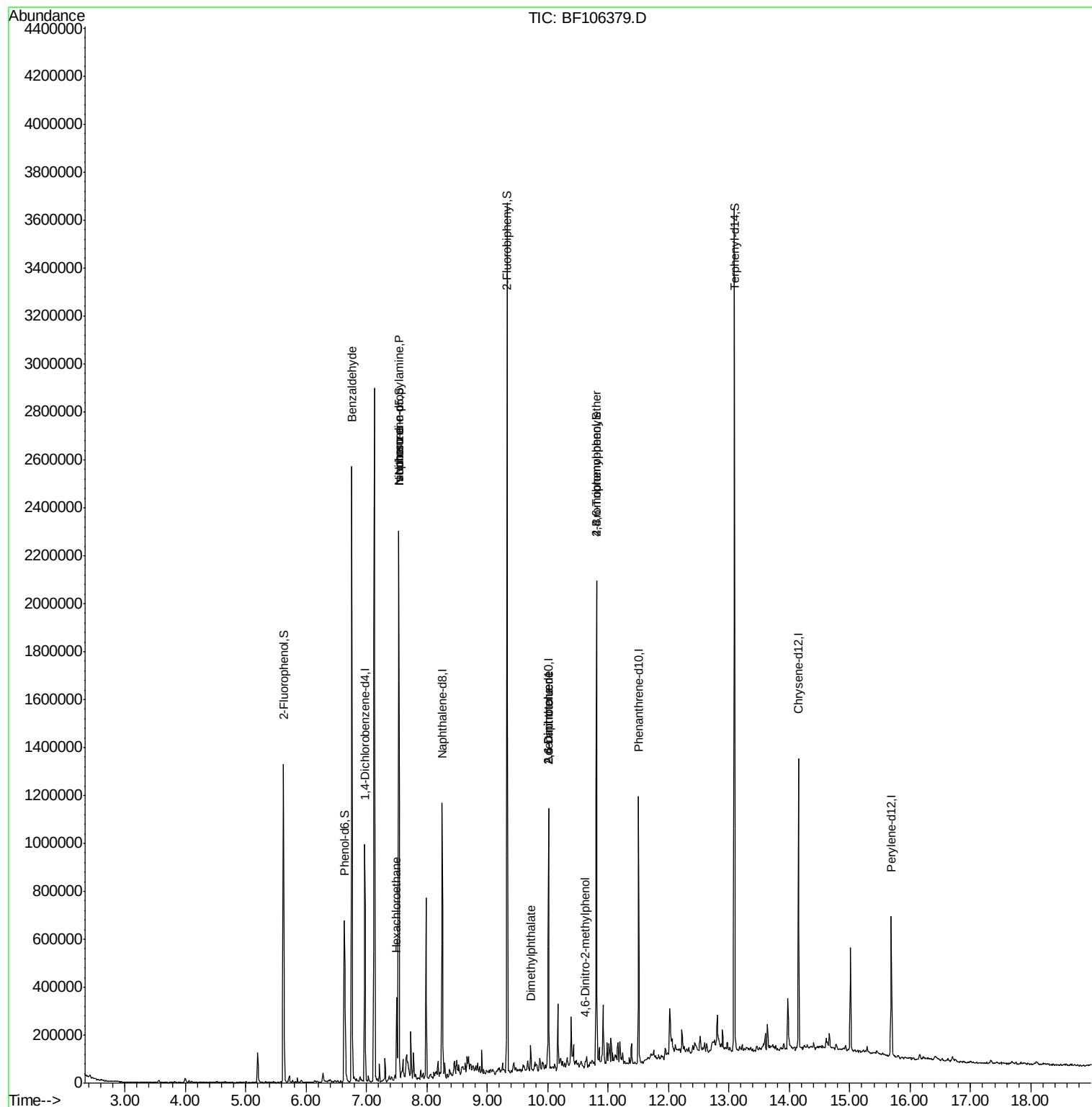
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.76	77	17016	2.306	ng	82
18) Hexachloroethane	7.50	117	42044	11.929	ng	# 39
19) n-Nitroso-di-n-propylamine	7.54	70	92689	12.697	ng	# 75
25) Isophorone	7.54	82	688079	47.013	ng	# 64
49) Dimethylphthalate	9.72	163	32762	2.407	ng	# 98
50) 2,6-Dinitrotoluene	10.01	165	24924	8.964	ng	# 27
56) 2,4-Dinitrotoluene	10.01	165	24924	7.138	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.63	198	142	6.354	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	17336	3.969	ng	# 1

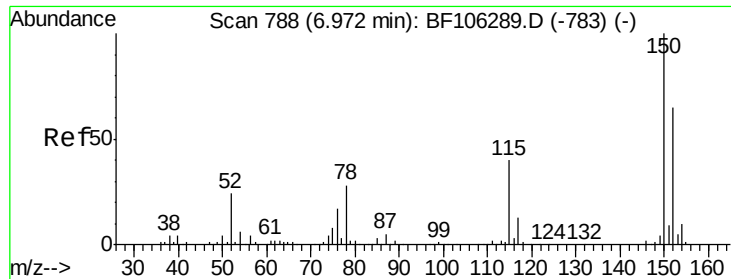
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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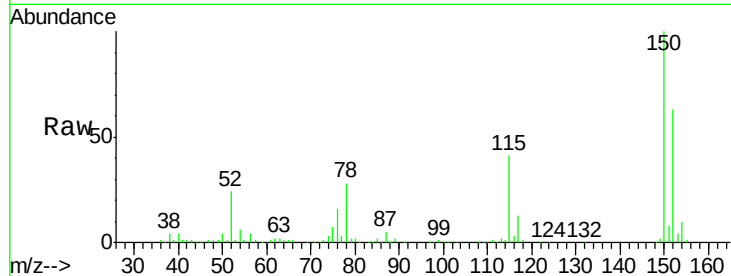


#1

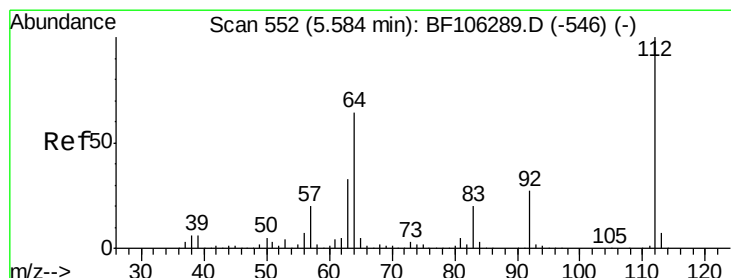
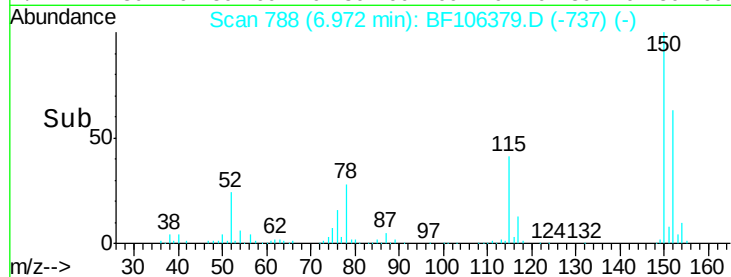
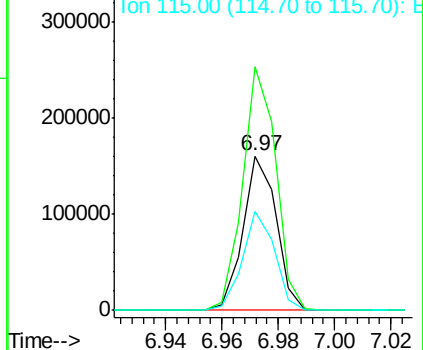
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	64.4	50.1	75.1



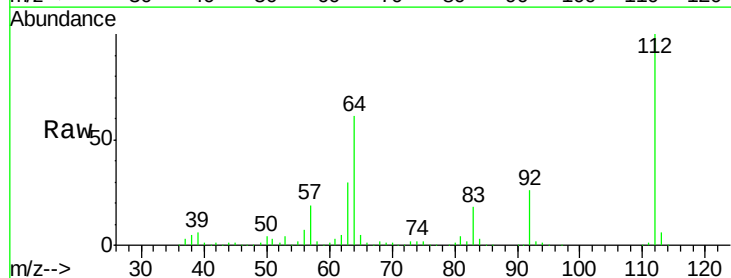
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



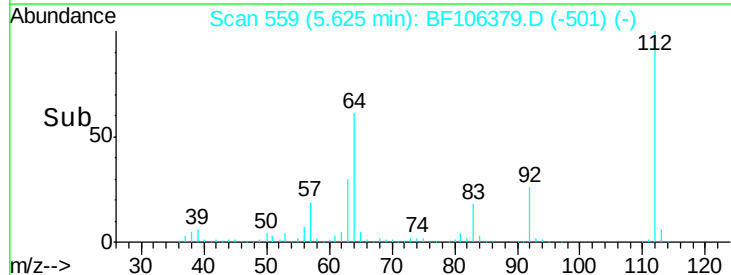
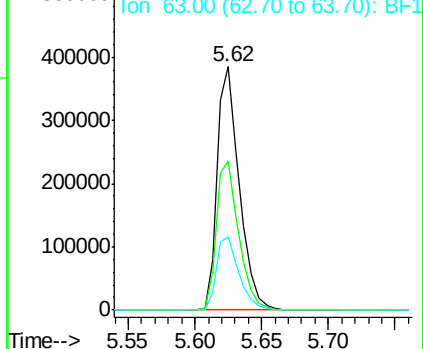
#5

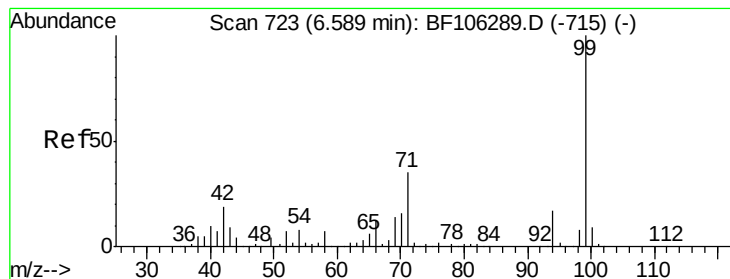
2-Fluorophenol
Concen: 58.359 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.9	71.9
63	30.1	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: 34.208 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.05 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

Instrument :

BNA_F

ClientSampleId :

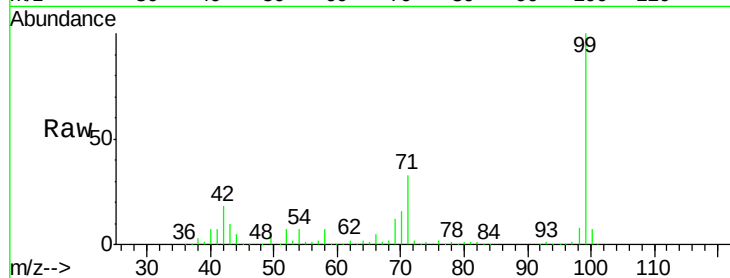
Tot Ion: 99 Resp: 332861

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

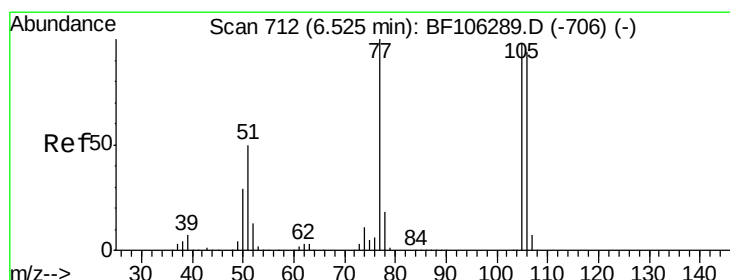
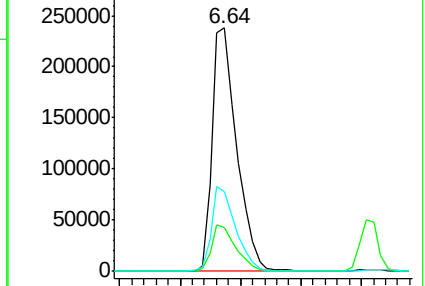
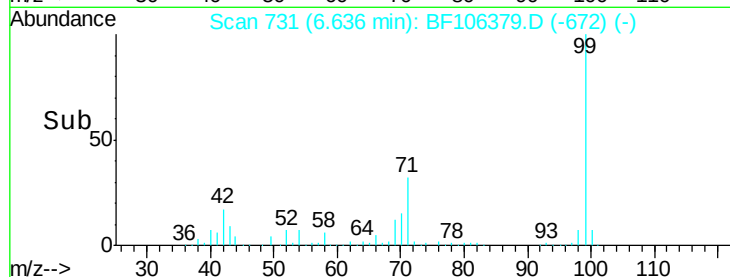
71 32.6 25.4 38.0



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: 2.306 ng

RT: 6.76 min Scan# 752

Delta R.T. 0.24 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

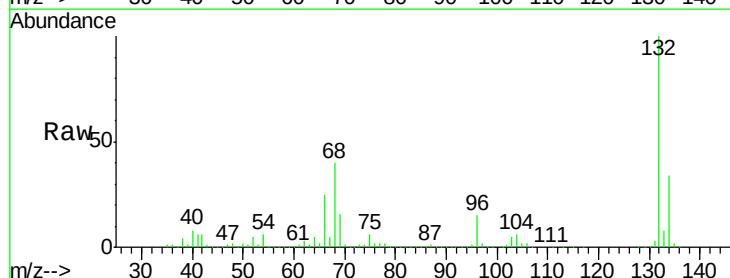
Tgt Ion: 77 Resp: 17016

Ion Ratio Lower Upper

77 100

105 82.0 81.1 121.1

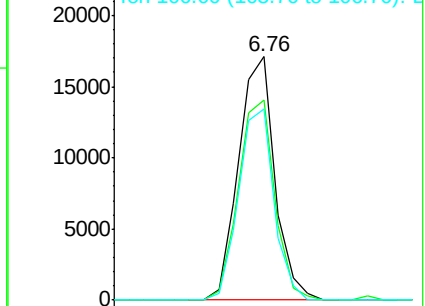
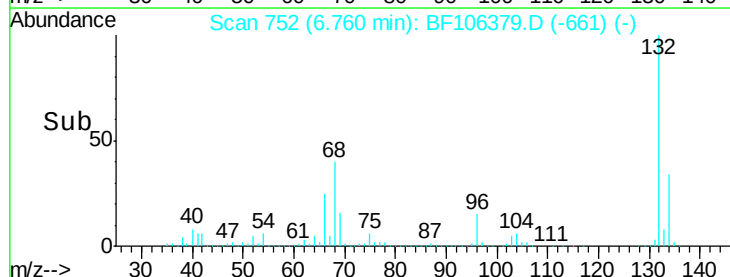
106 78.3 74.5 114.5

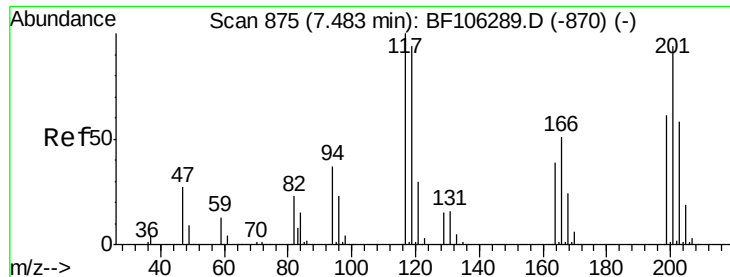


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

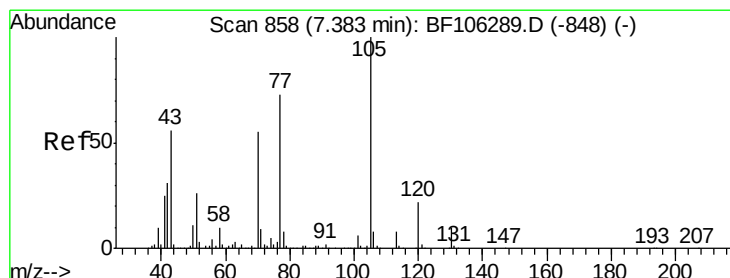
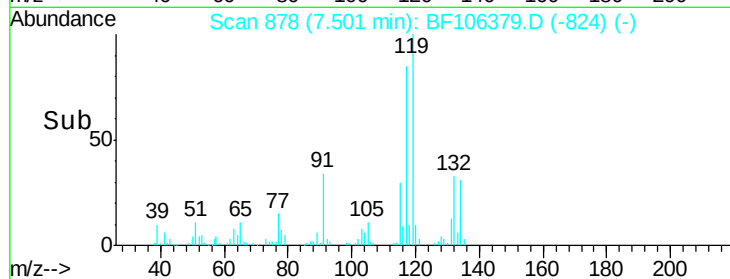
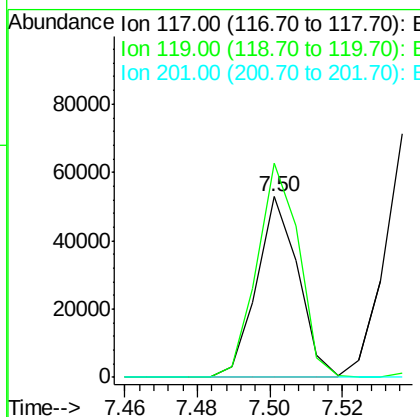
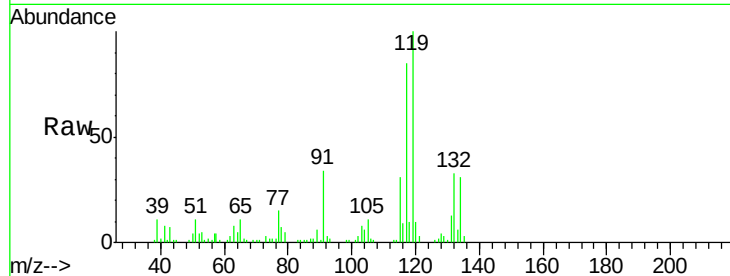




#18
Hexachloroethane
Concen: 11.929 ng
RT: 7.50 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

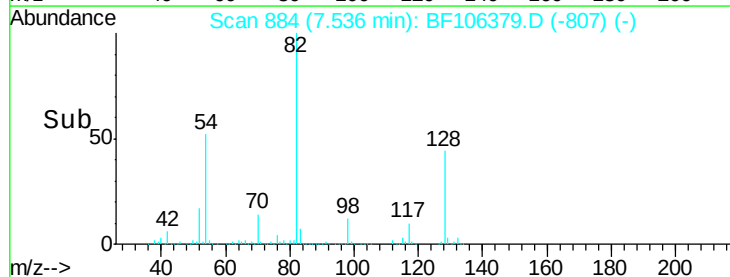
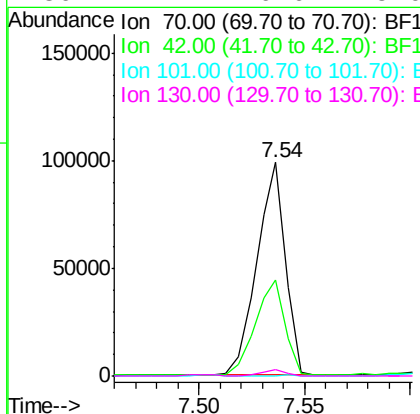
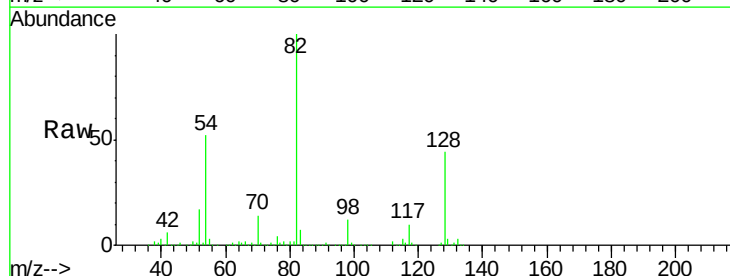
Instrument :
BNA_F
ClientSampled :

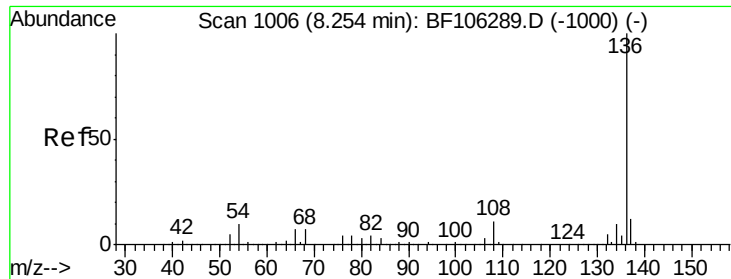
Tot Ion:117 Resp: 42044
Ion Ratio Lower Upper
117 100
119 118.2 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 12.697 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

Tgt Ion: 70 Resp: 92689
Ion Ratio Lower Upper
70 100
42 44.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 440813

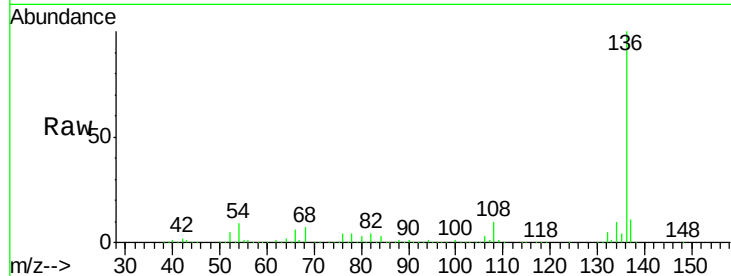
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.2 6.6 9.8

68 6.9 5.0 7.4

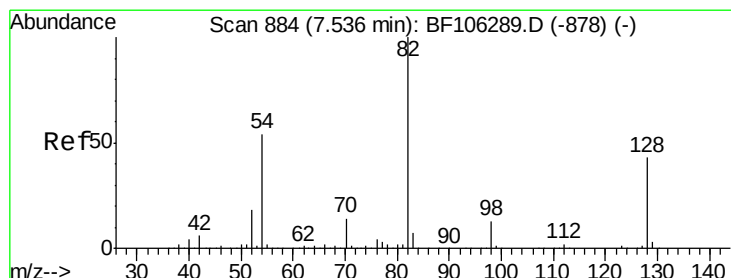
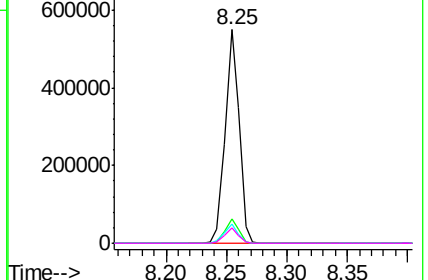
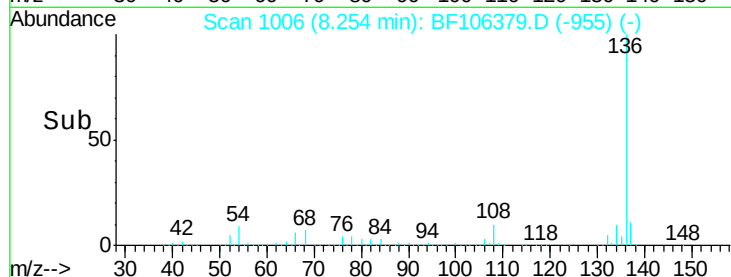


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.829 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

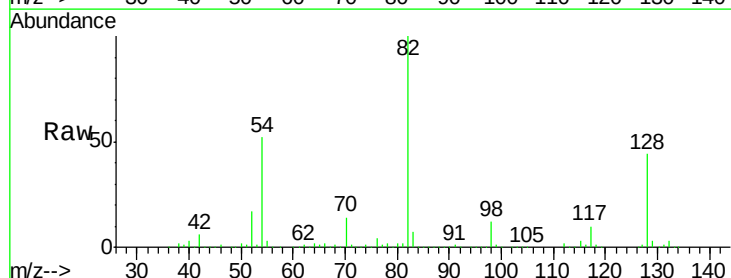
Tgt Ion: 82 Resp: 688089

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

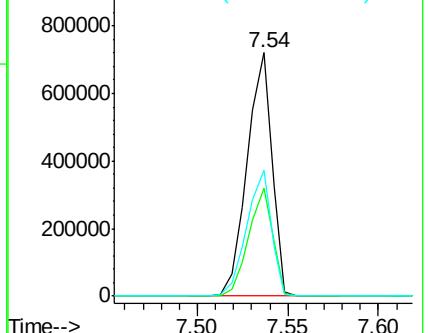
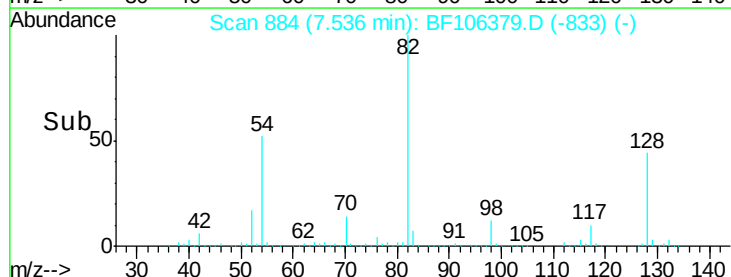
54 51.8 41.4 62.2

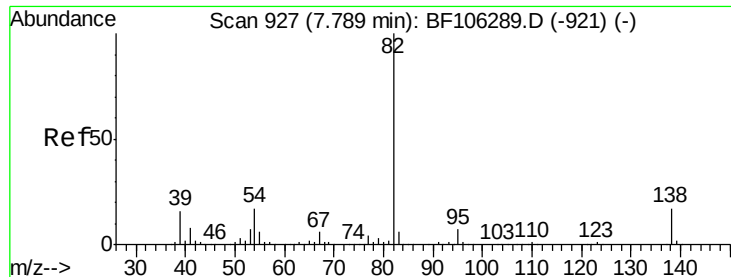


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.013 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.25 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

Instrument :

BNA_F

ClientSampled :

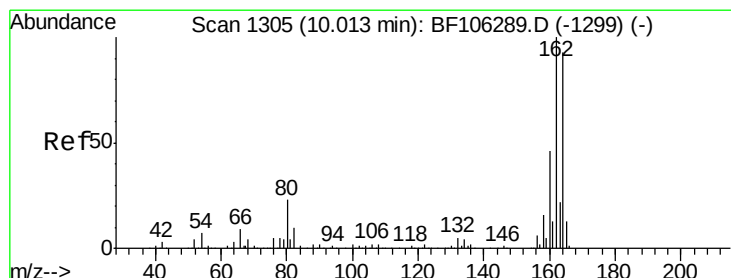
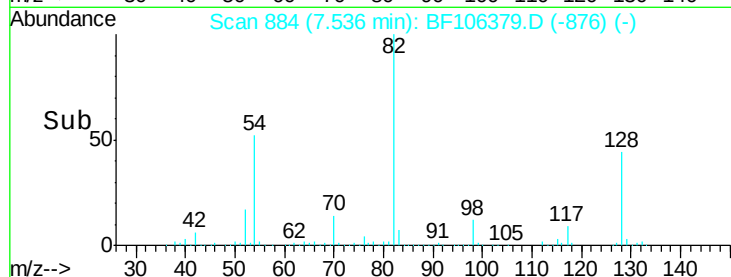
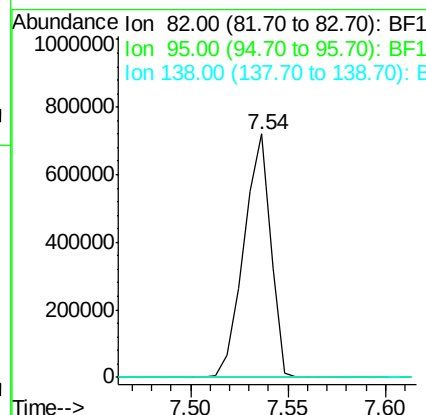
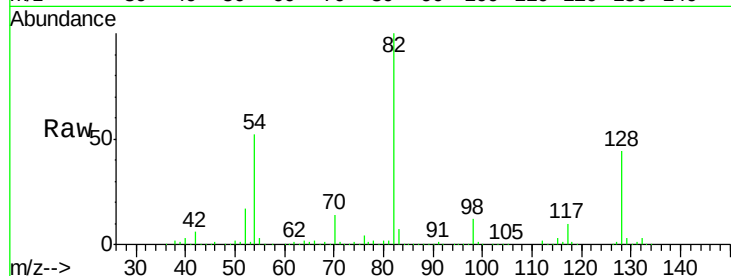
Tot Ion: 82 Resp: 688079

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

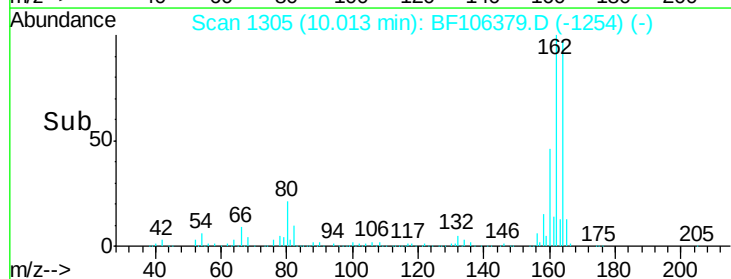
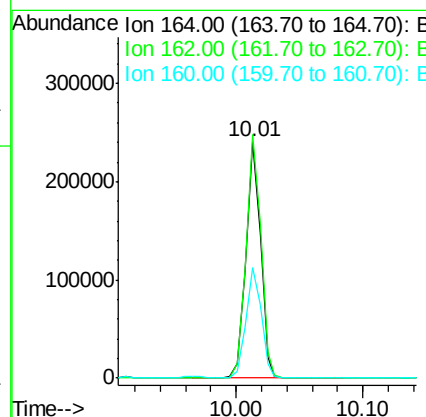
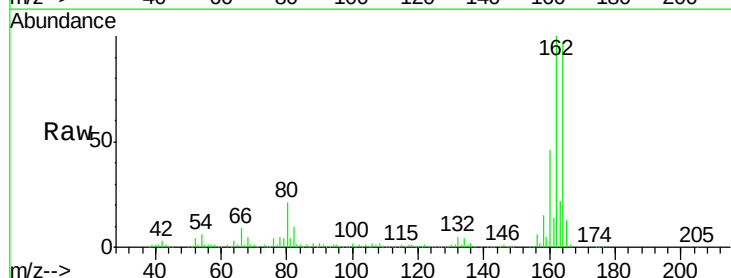
Tgt Ion:164 Resp: 190534

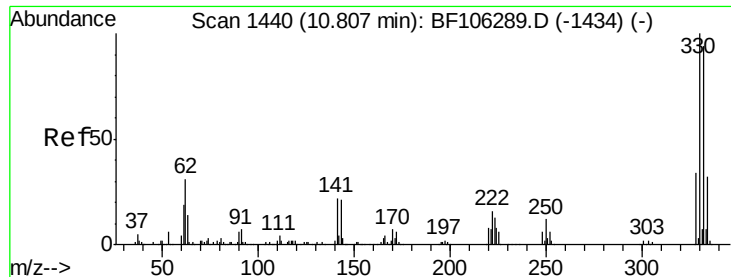
Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

160 47.0 38.3 57.5

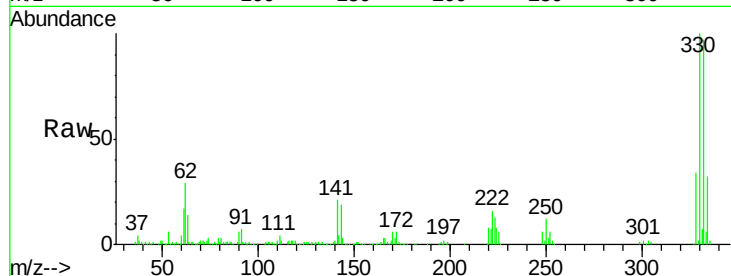




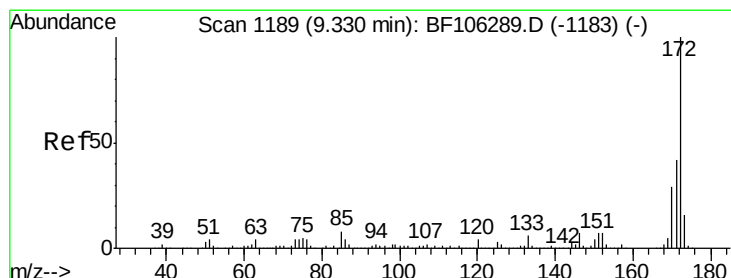
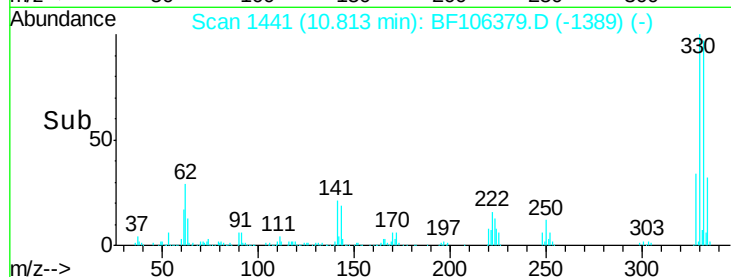
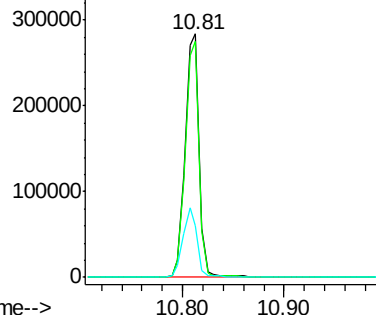
#41
 2,4,6-Tribromophenol
 Concen: 149.777 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF106379.D
 Acq: 13 Jun 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	28.0	29.9	44.9#

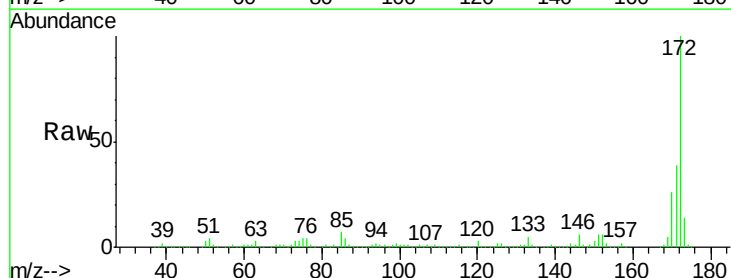


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

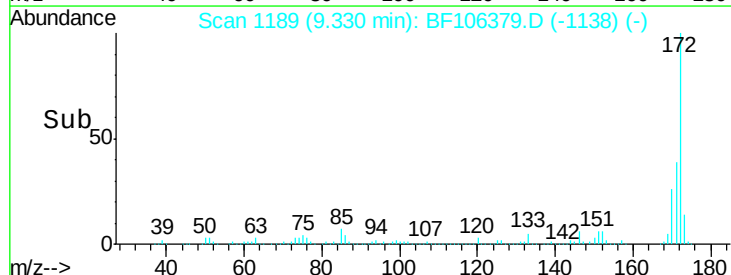
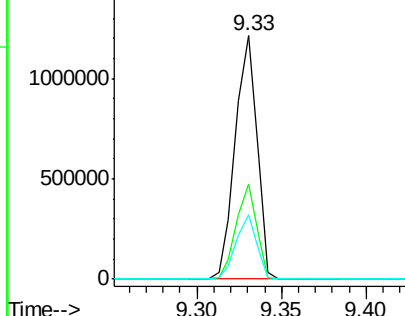


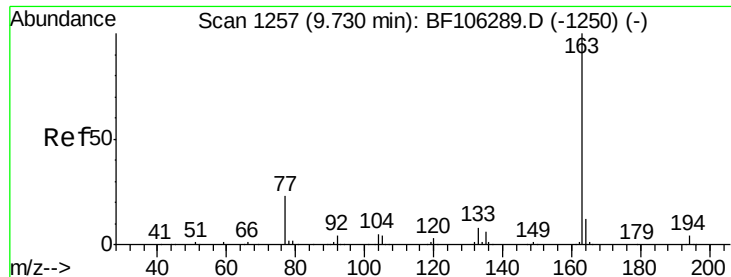
#44
 2-Fluorobiphenyl
 Concen: 111.156 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106379.D
 Acq: 13 Jun 2018 7:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.7	44.5
170	26.4	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

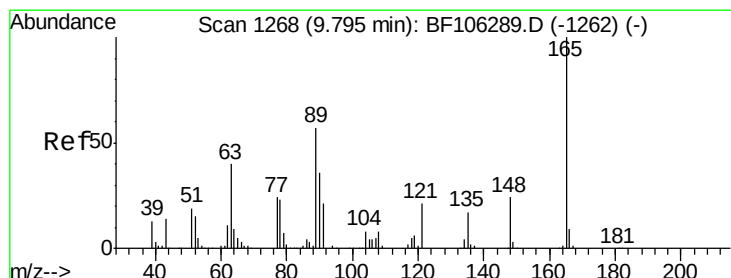
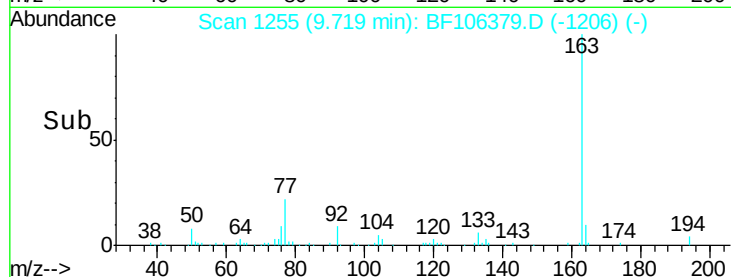
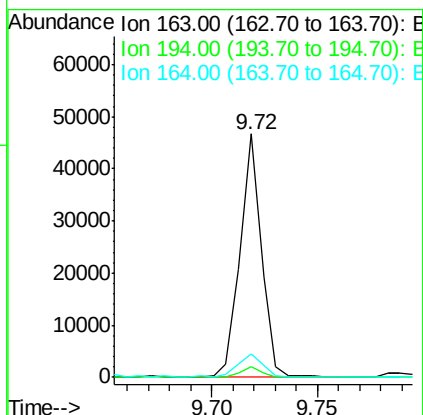
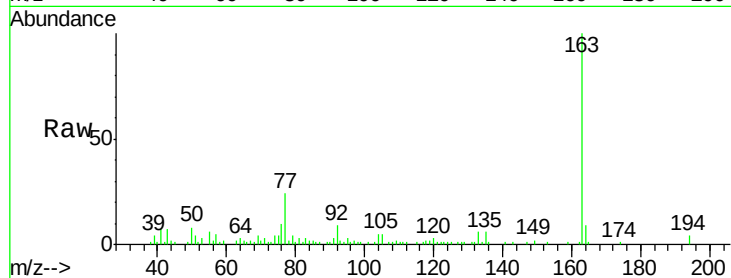




#49
Dimethylphthalate
Concen: 2.407 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

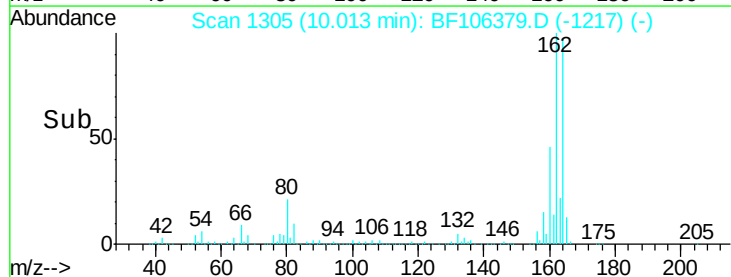
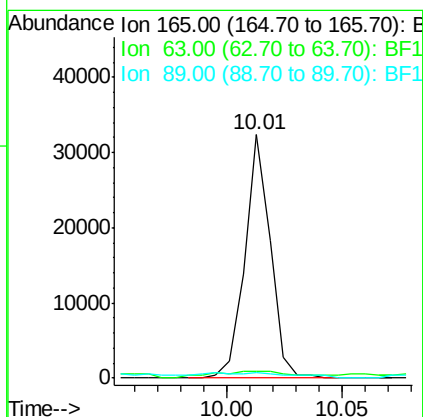
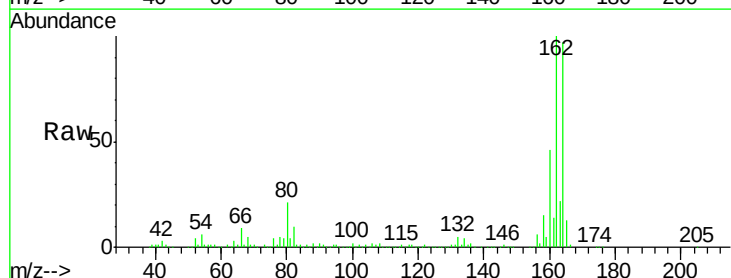
Instrument :
BNA_F
ClientSampleId :

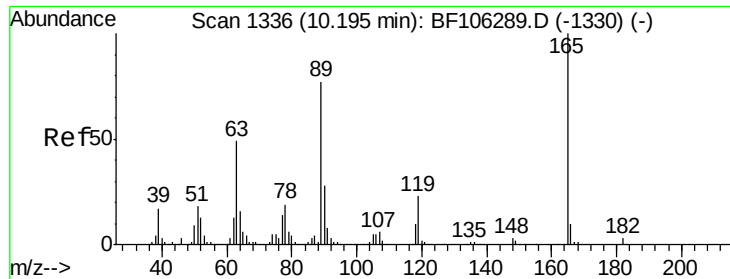
Tot Ion:163 Resp: 32762
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.964 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.22 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

Tgt Ion:165 Resp: 24924
Ion Ratio Lower Upper
165 100
63 2.9 44.7 67.1#
89 2.5 44.0 66.0#

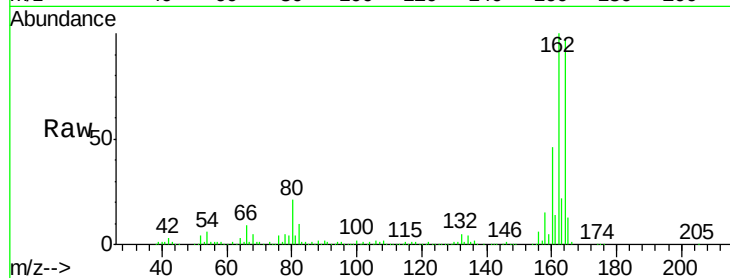




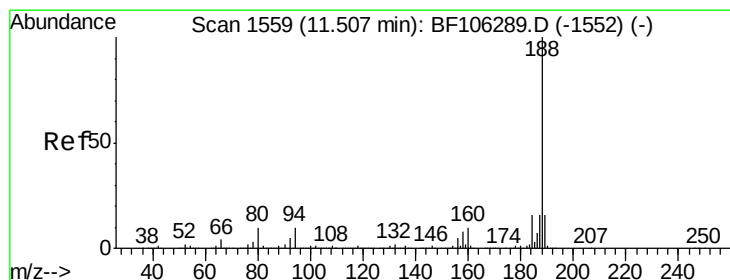
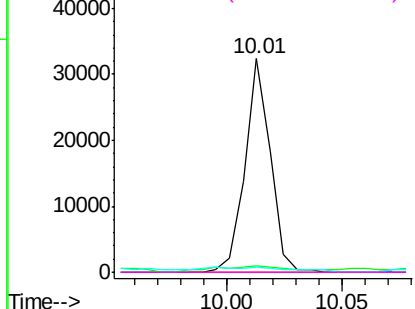
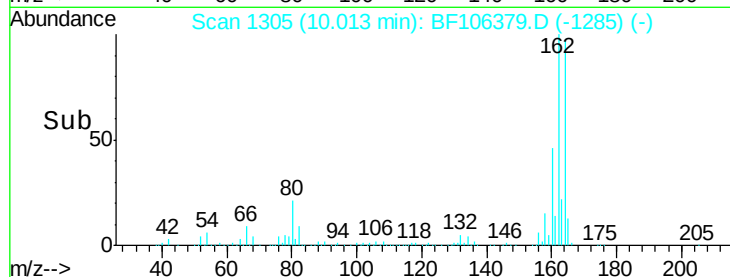
#56
 2,4-Dinitrotoluene
 Concen: 7.138 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.18 min
 Lab File: BF106379.D
 Acq: 13 Jun 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24924
 Ion Ratio Lower Upper
 165 100
 63 2.9 36.4 54.6#
 89 2.5 57.8 86.6#
 182 0.0 1.6 2.4#

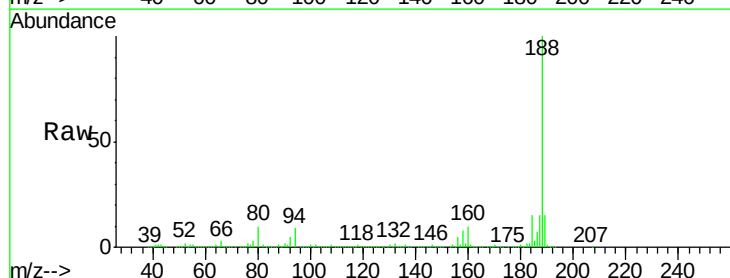


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

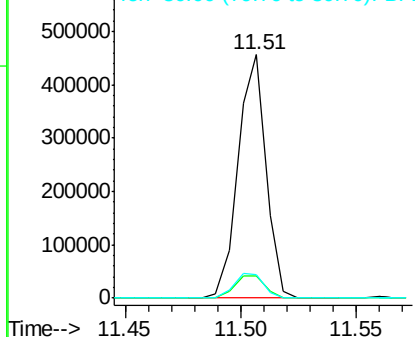
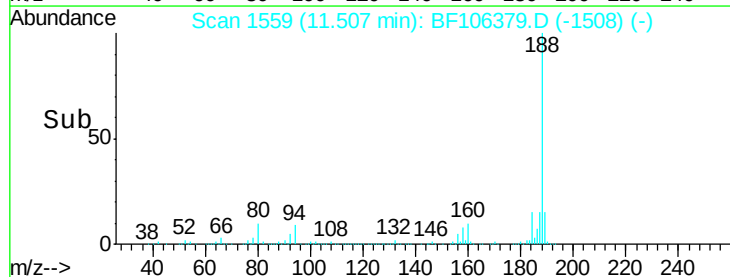


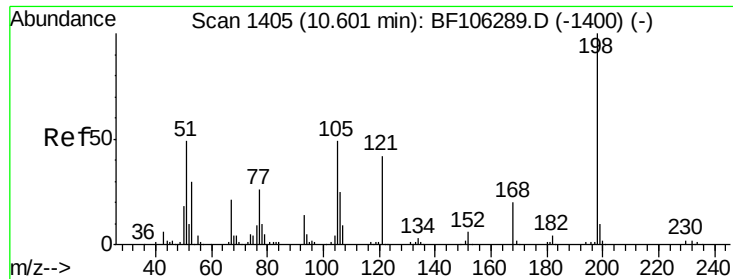
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BF106379.D
 Acq: 13 Jun 2018 7:58

Tgt Ion:188 Resp: 384046
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.5 12.7
 80 9.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

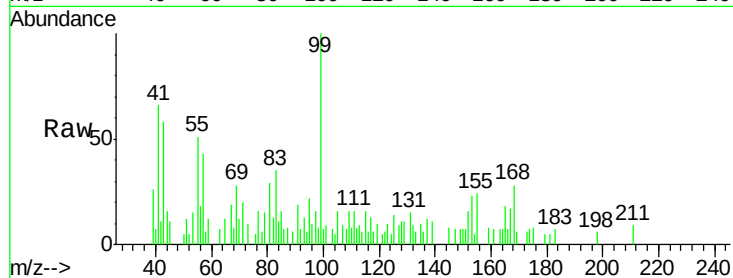




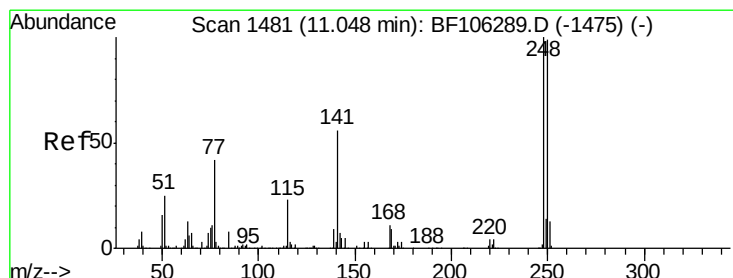
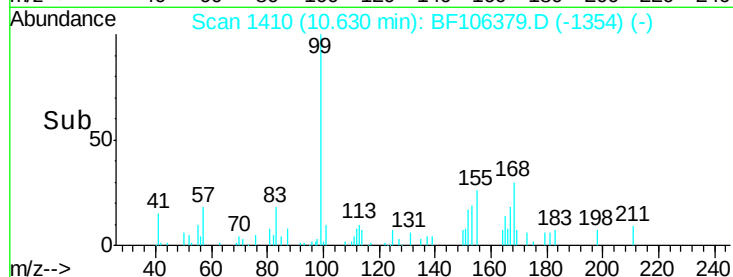
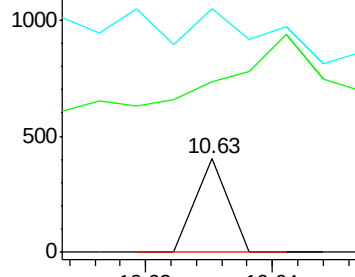
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.354 ng
 RT: 10.63 min Scan# 1410
 Delta R.T. 0.03 min
 Lab File: BF106379.D
 Acq: 13 Jun 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 142
 Ion Ratio Lower Upper
 198 100
 51 183.1 37.7 77.7#
 105 260.4 36.3 76.3#

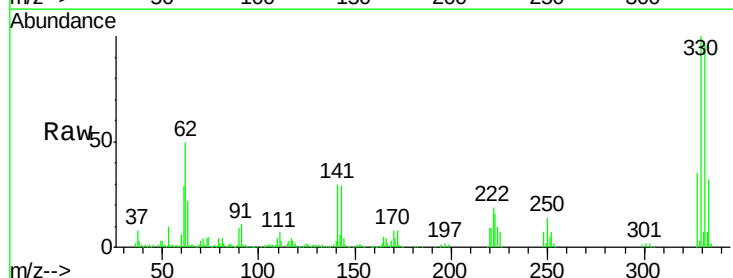


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

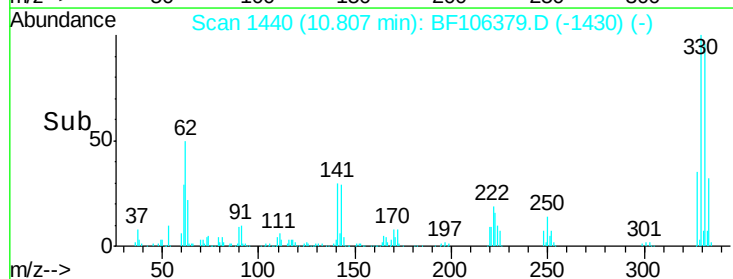
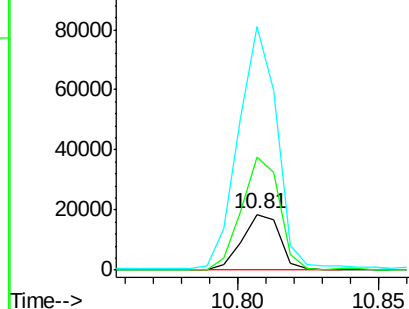


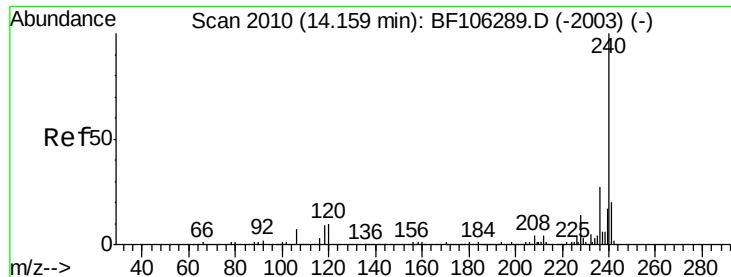
#66
 4-Bromophenyl-phenylether
 Concen: 3.969 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF106379.D
 Acq: 13 Jun 2018 7:58

Tgt Ion:248 Resp: 17336
 Ion Ratio Lower Upper
 248 100
 250 204.1 76.9 115.3#
 141 437.3 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# 2009

Delta R.T. -0.01 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

Instrument :

BNA_F

ClientSampleId :

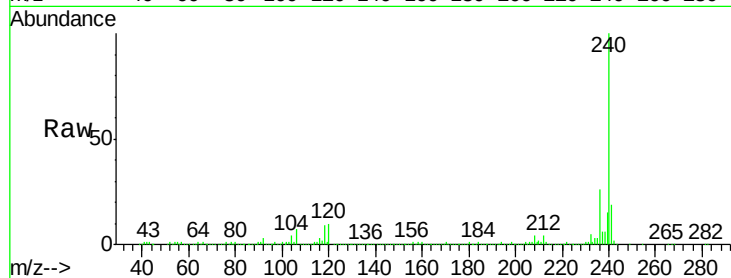
Tot Ion:240 Resp: 388731

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

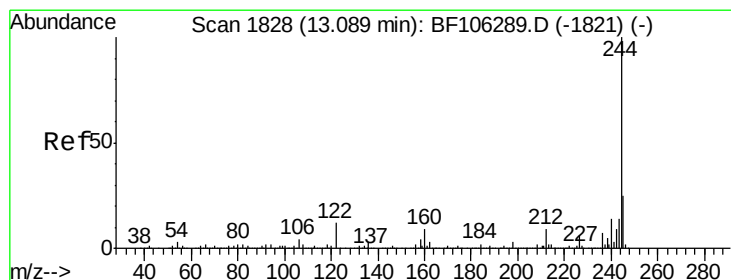
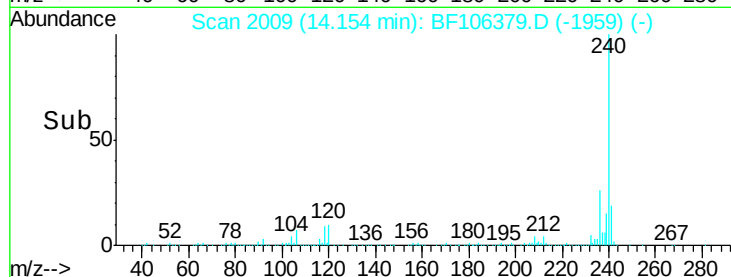
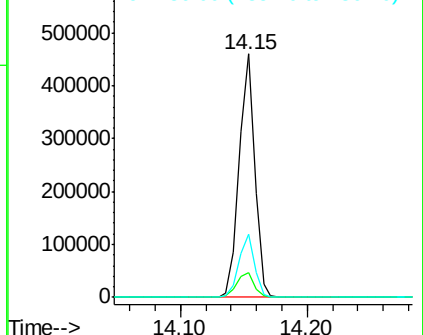
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 83.842 ng

RT: 13.09 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106379.D

Acq: 13 Jun 2018 7:58

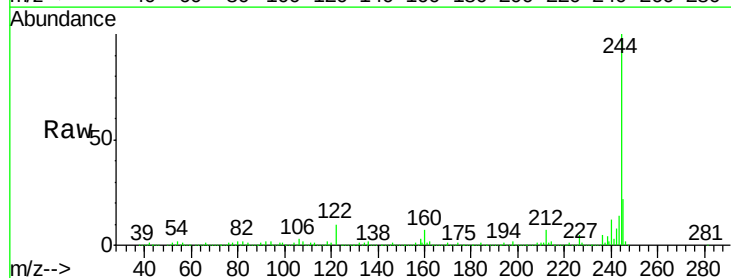
Tgt Ion:244 Resp: 1312198

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

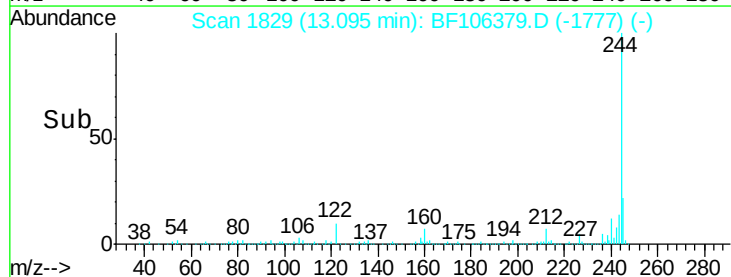
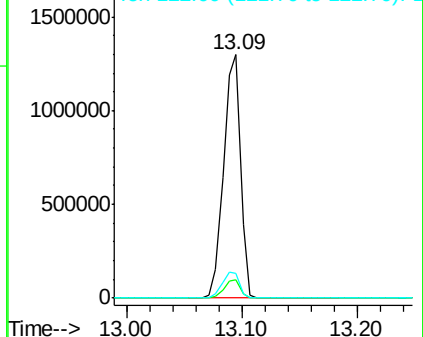
122 10.1 11.0 16.4#

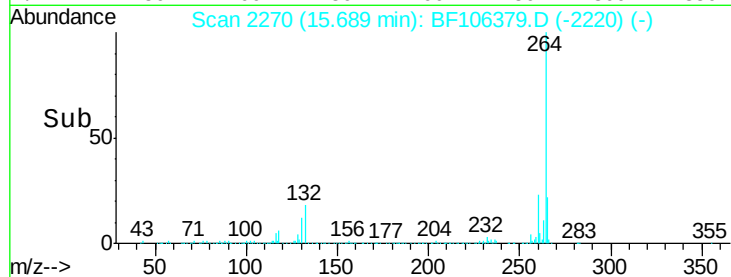
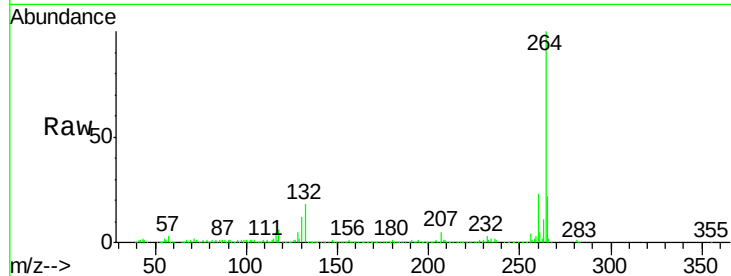
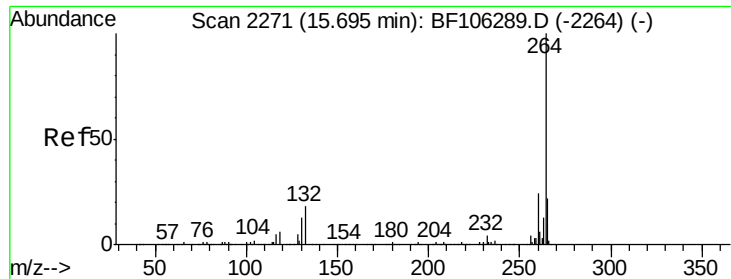


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106379.D
Acq: 13 Jun 2018 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	278577
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.5	26.3

