

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106391.D
 Acq On : 13 Jun 2018 15:17
 Operator : JU/SJ
 Sample : PB110210BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 02:19:55 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

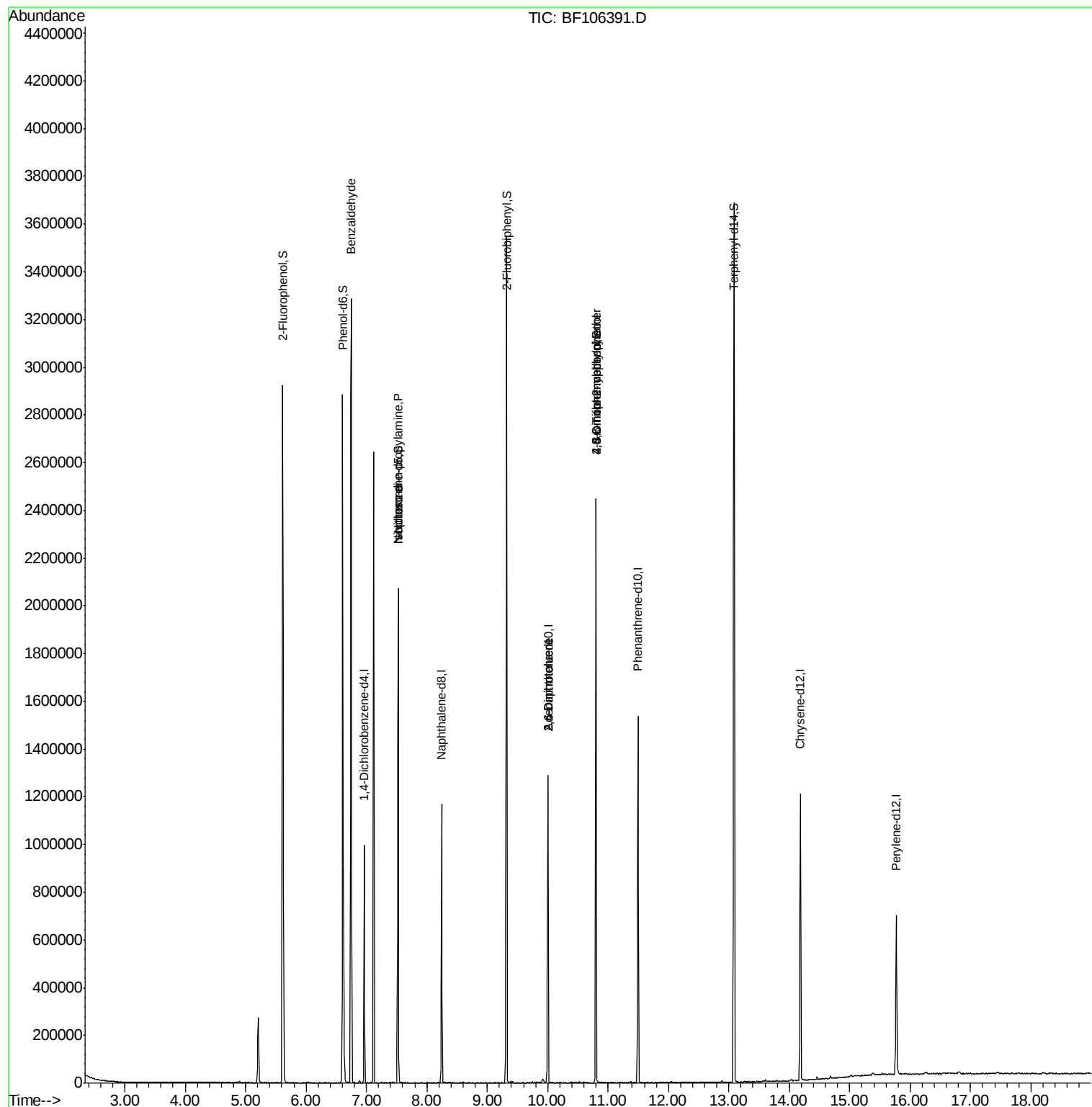
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	136391	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	520704	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	249359	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	507037	20.00	ng	-0.01
75) Chrysene-d12	14.18	240	437160	20.00	ng	0.02
86) Perylene-d12	15.77	264	327433	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	895634	111.14	ng	-0.01
7) Phenol-d6	6.61	99	1114324	109.45	ng	-0.02
23) Nitrobenzene-d5	7.52	82	710386	80.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	315754	131.60	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1217050	87.47	ng	-0.01
78) Terphenyl-d14	13.09	244	1442778	81.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	19693	2.550	ng	82
19) n-Nitroso-di-n-propylamine	7.52	70	95694	12.528	ng	# 76
25) Isophorone	7.52	82	710380	41.090	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	31773	8.731	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	31773	6.953	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	544	6.468	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	20149	3.494	ng	# 1

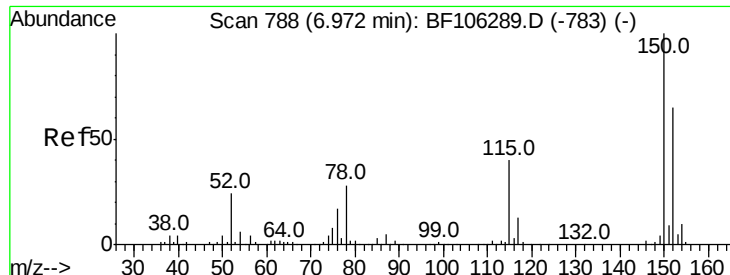
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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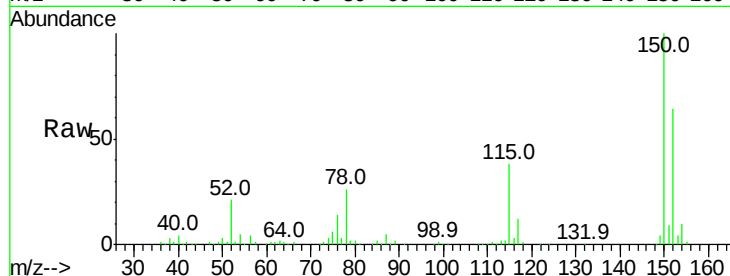


#1

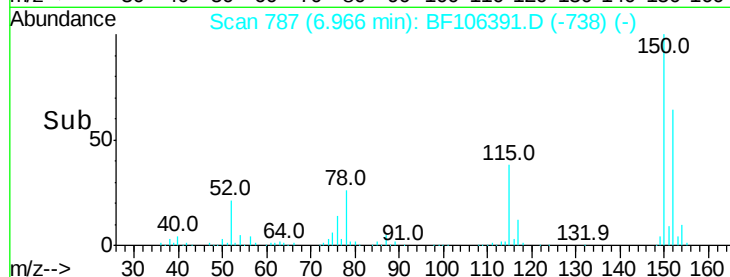
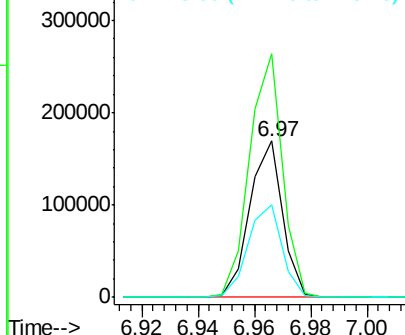
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136391
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 59.5 50.1 75.1



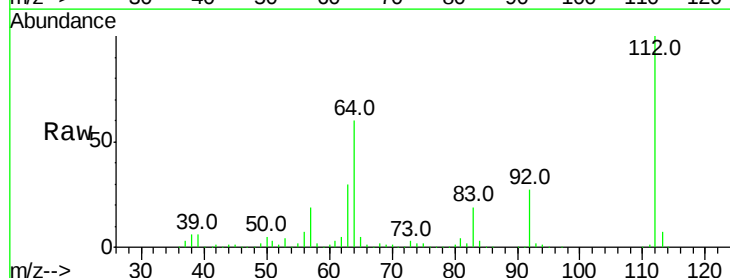
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



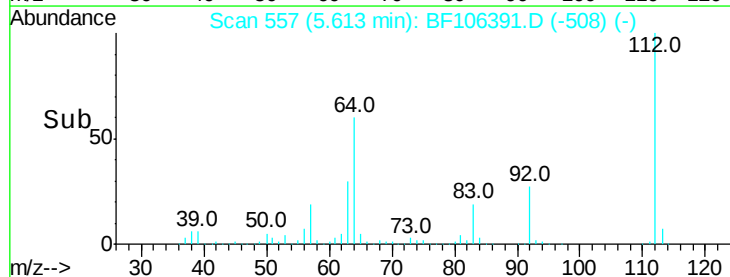
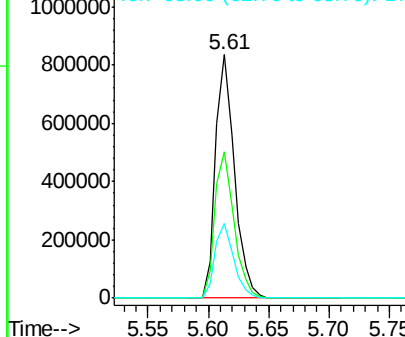
#5

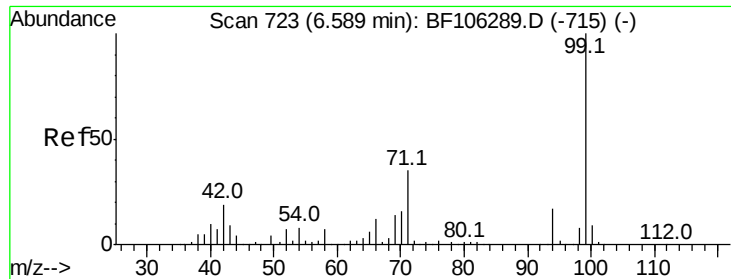
2-Fluorophenol
Concen: 111.141 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Tgt Ion:112 Resp: 895634
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 30.5 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: 109.449 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF106391.D

Acq: 13 Jun 2018 15:17

Instrument :

BNA_F

ClientSampled :

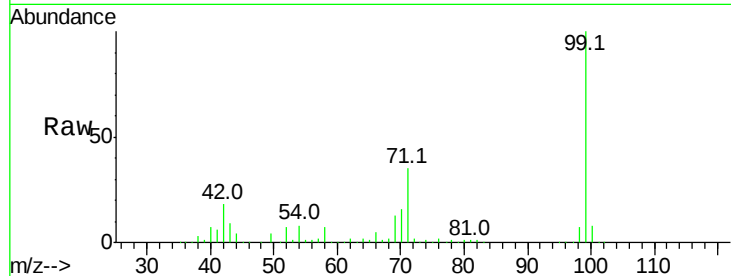
Tot Ion: 99 Resp: 1114324

Ion Ratio Lower Upper

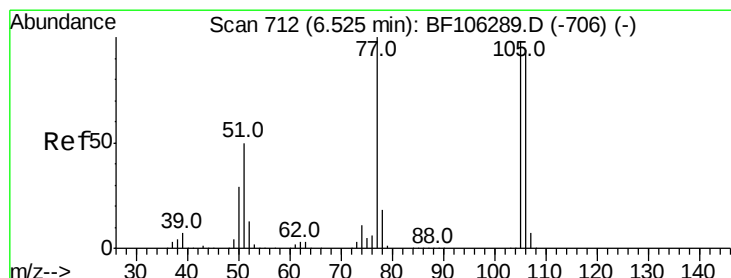
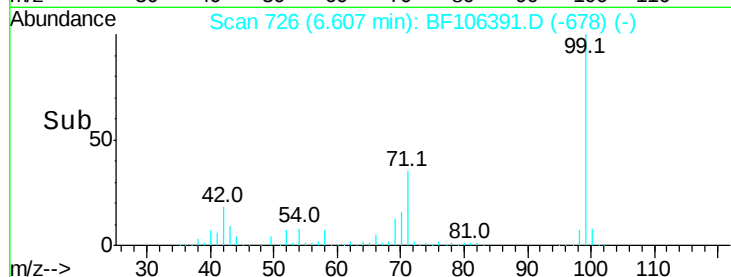
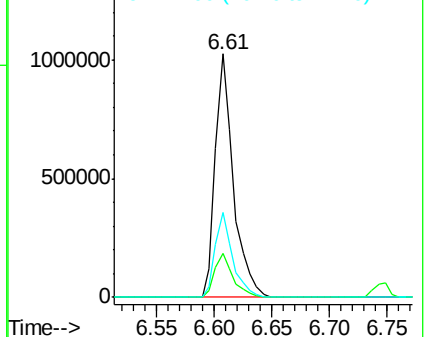
99 100

42 18.0 14.5 21.7

71 34.9 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: 2.550 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106391.D

Acq: 13 Jun 2018 15:17

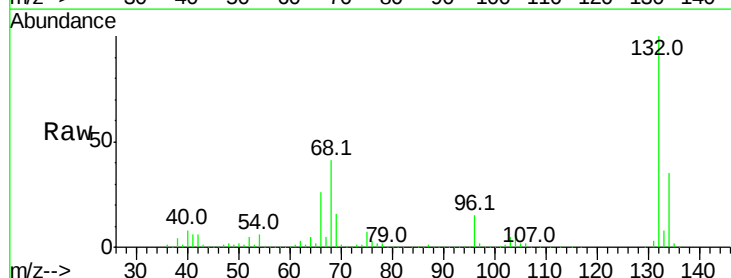
Tgt Ion: 77 Resp: 19693

Ion Ratio Lower Upper

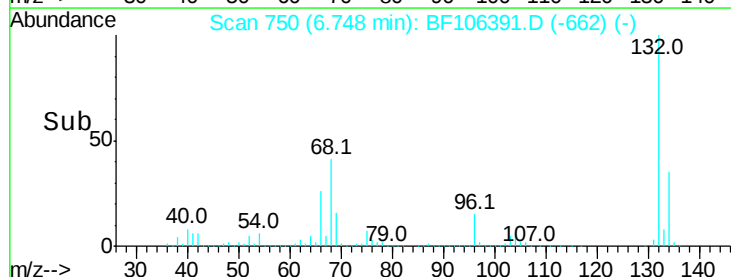
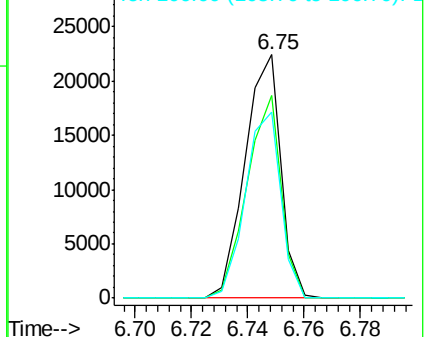
77 100

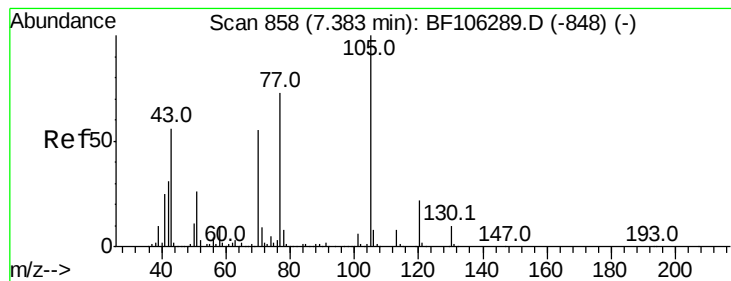
105 83.2 81.1 121.1

106 76.5 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





#19

n-Nitroso-di-n-propylamine

Concen: 12.528 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106391.D

Acq: 13 Jun 2018 15:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 95694

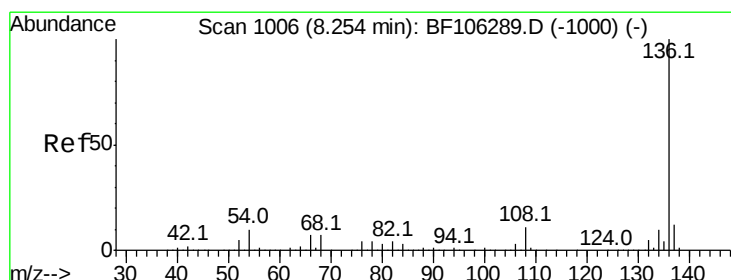
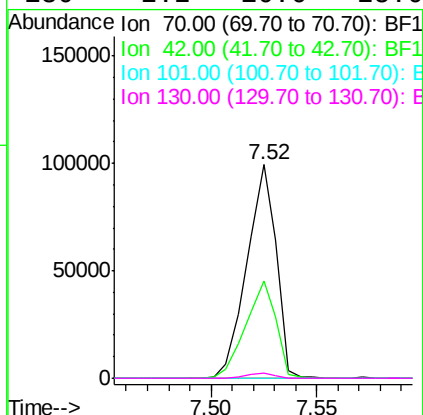
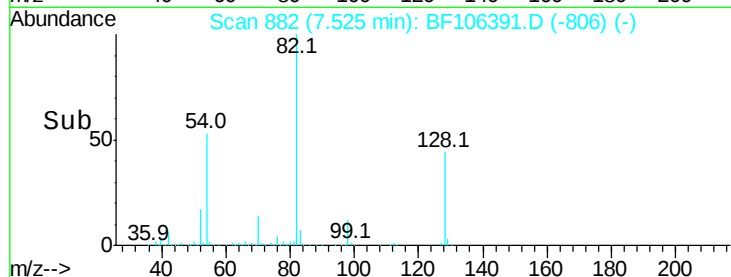
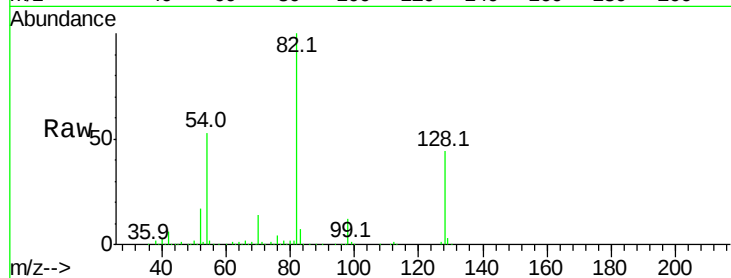
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 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: BF106391.D

Acq: 13 Jun 2018 15:17

Tgt Ion: 136 Resp: 520704

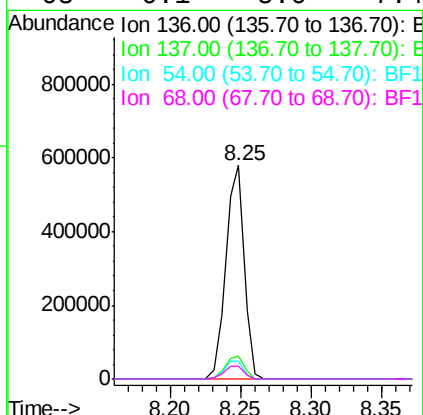
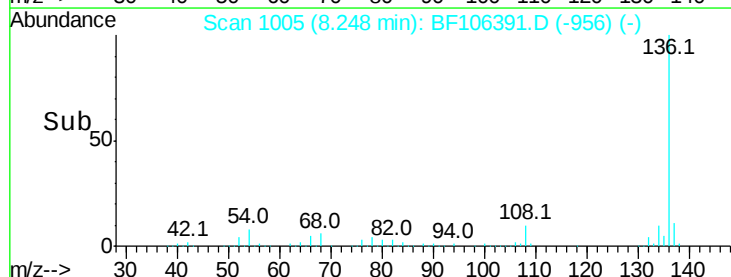
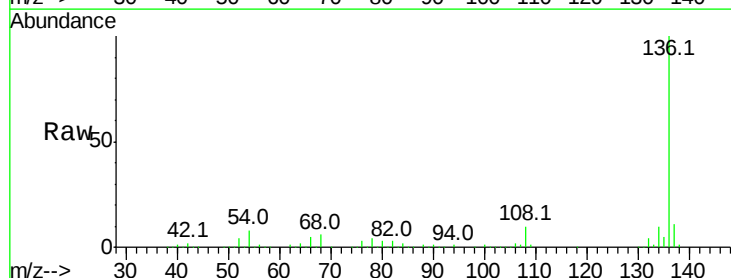
Ion Ratio Lower Upper

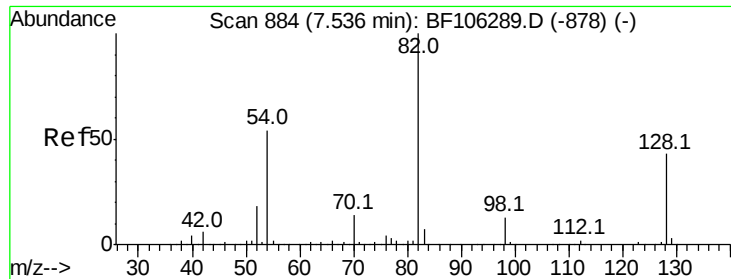
136 100

137 11.0 8.9 13.3

54 8.3 6.6 9.8

68 6.1 5.0 7.4

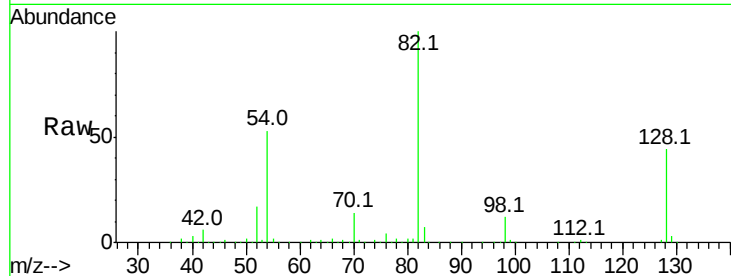




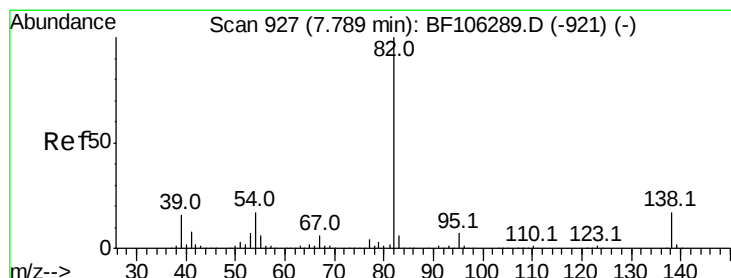
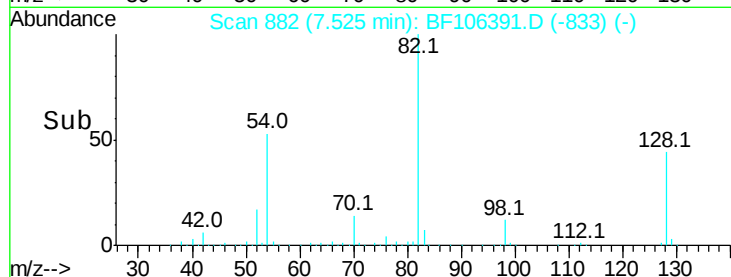
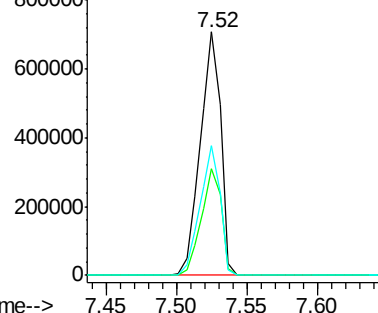
#23
Nitrobenzene-d5
Concen: 80.259 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 710386
Ion Ratio Lower Upper
82 100
128 43.7 36.1 54.1
54 53.4 41.4 62.2

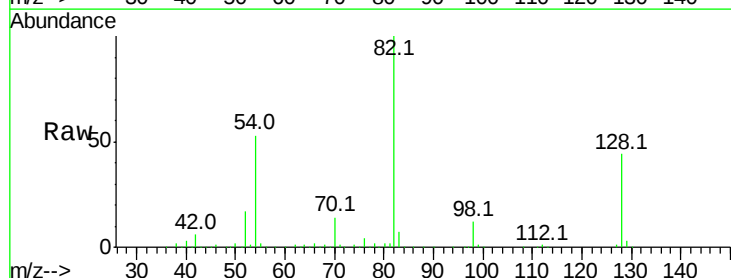


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

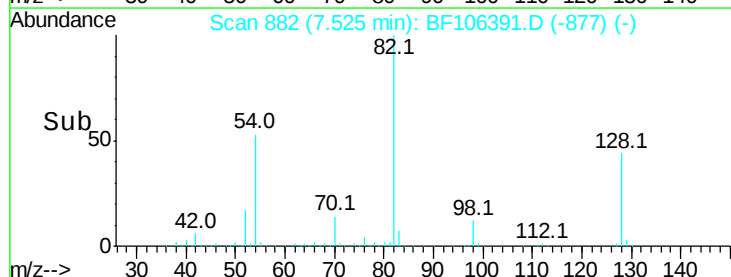
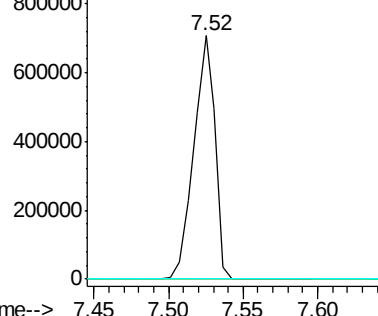


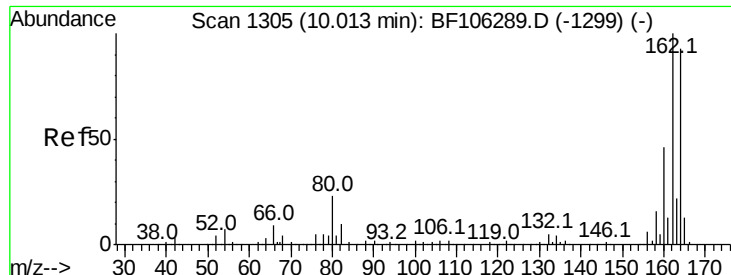
#25
Isophorone
Concen: 41.090 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Tgt Ion: 82 Resp: 710380
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

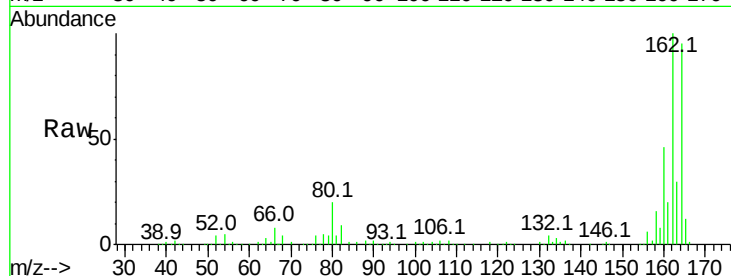




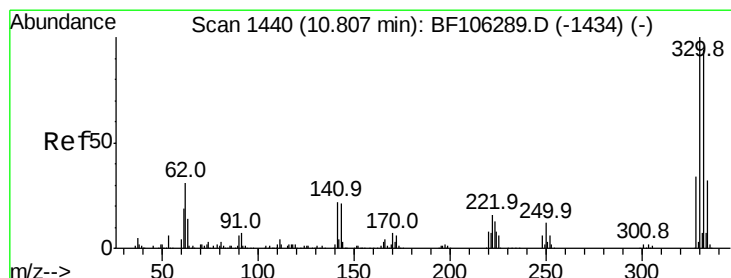
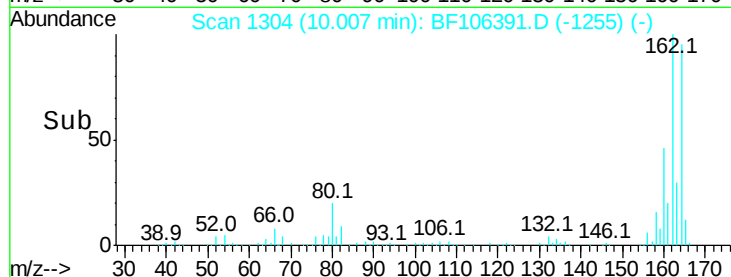
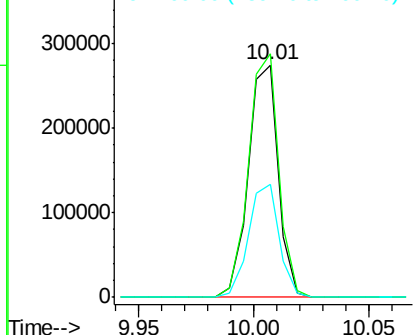
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 249359
Ion Ratio Lower Upper
164 100
162 104.9 86.1 129.1
160 48.4 38.3 57.5

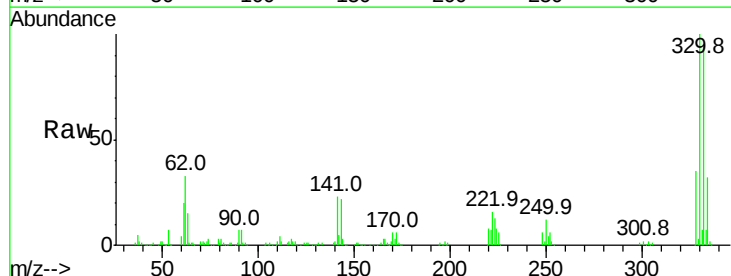


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

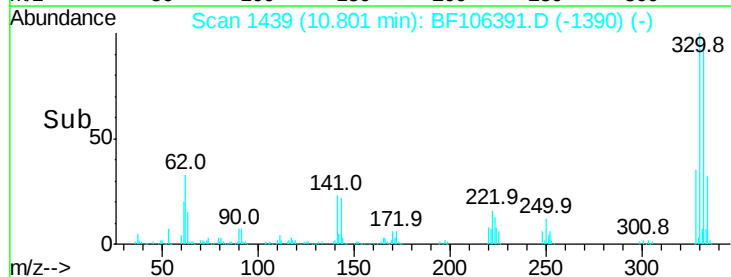
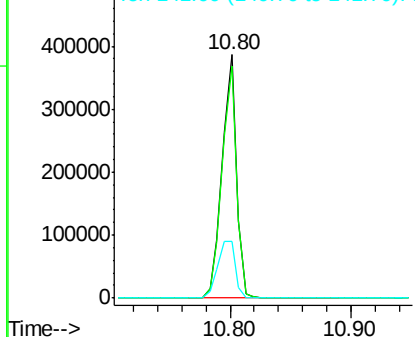


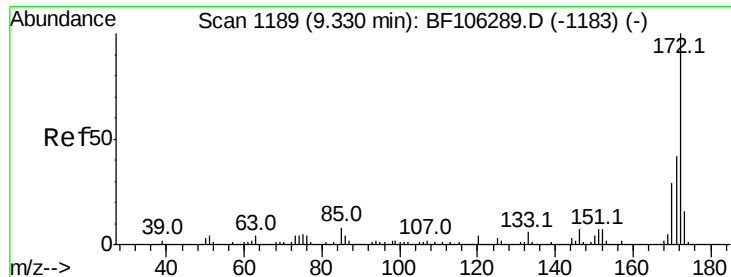
#41
2,4,6-Tribromophenol
Concen: 131.604 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Tgt Ion:330 Resp: 315754
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 28.7 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



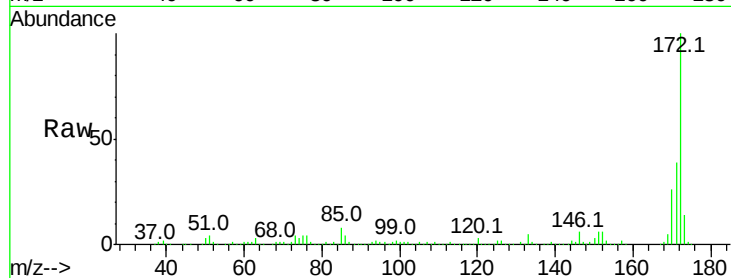


#44
 2-Fluorobiphenyl
 Concen: 87.473 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106391.D
 Acq: 13 Jun 2018 15:17

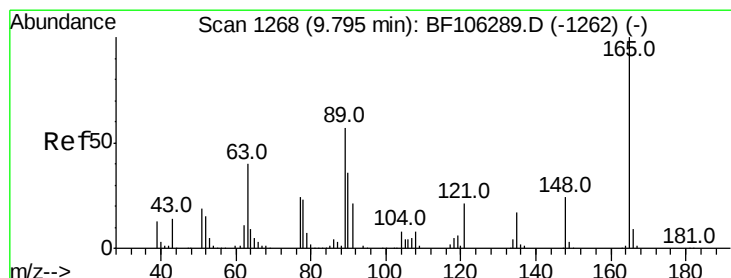
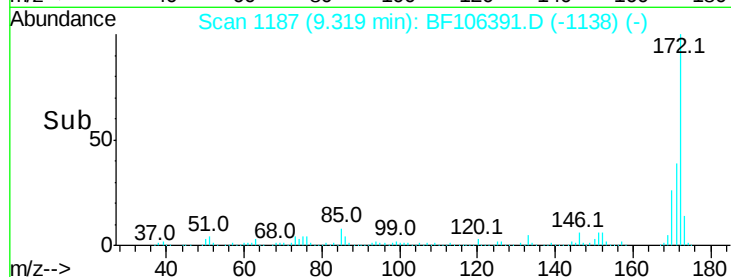
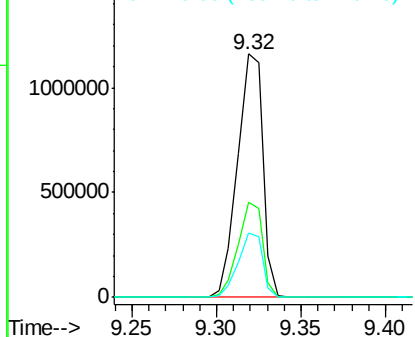
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1217050

Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.7	44.5
170	26.2	19.6	29.4



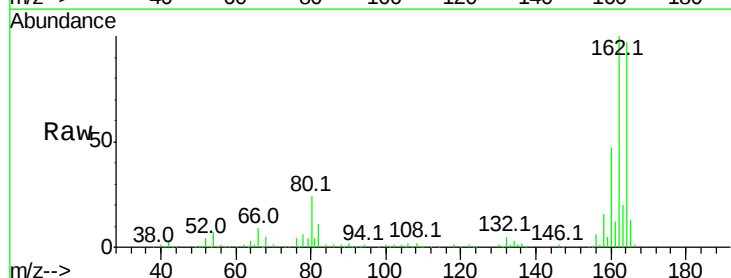
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



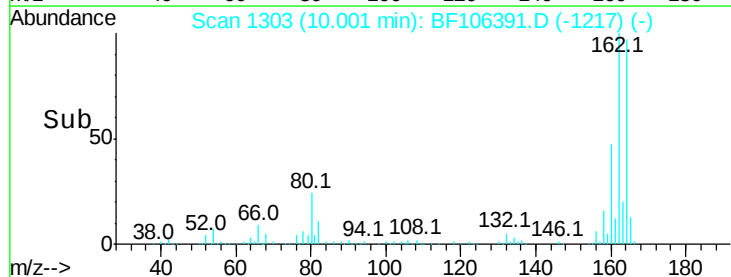
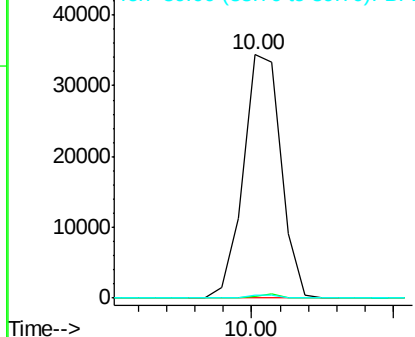
#50
 2,6-Dinitrotoluene
 Concen: 8.731 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106391.D
 Acq: 13 Jun 2018 15:17

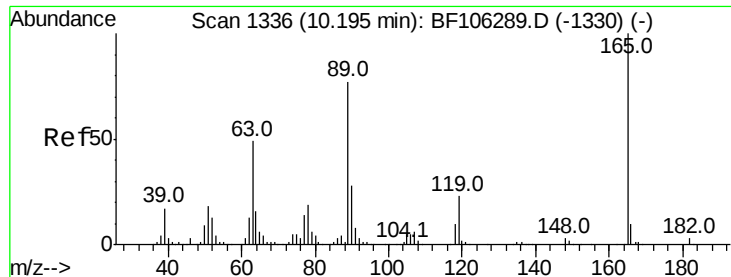
Tgt Ion:165 Resp: 31773

Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.1	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

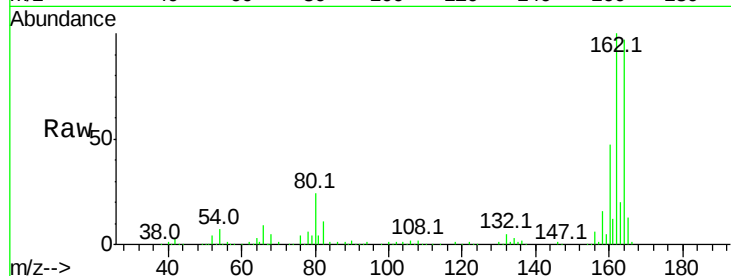




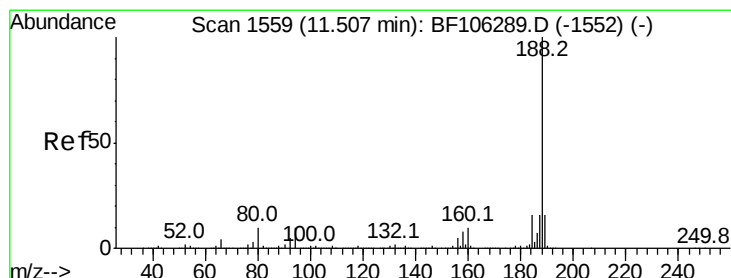
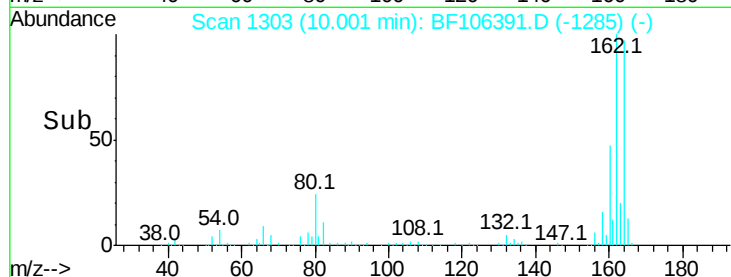
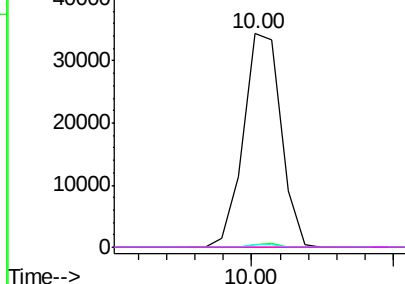
#56
2,4-Dinitrotoluene
Concen: 6.953 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 31773
Ion Ratio Lower Upper
165 100
63 0.9 36.4 54.6#
89 1.1 57.8 86.6#
182 0.0 1.6 2.4#

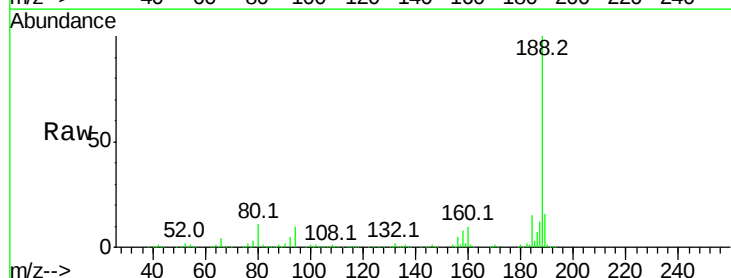


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

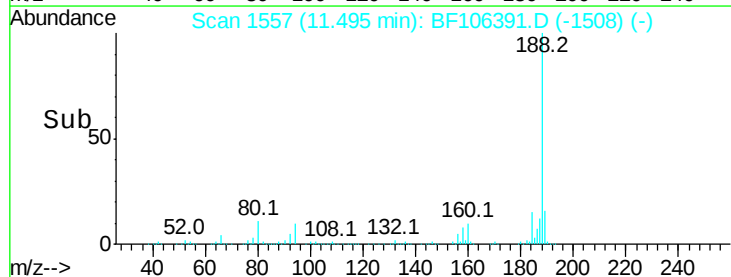
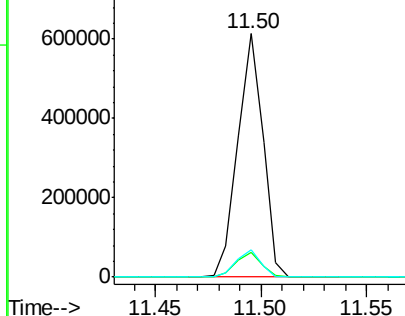


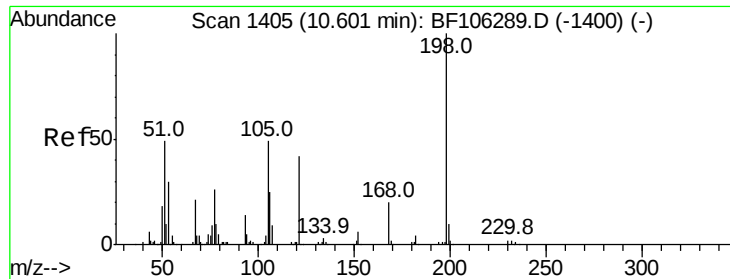
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Tgt Ion:188 Resp: 507037
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.1 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

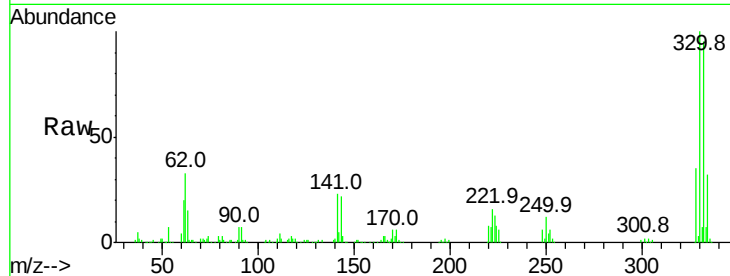




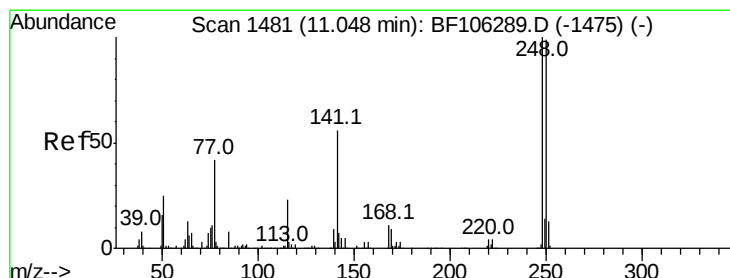
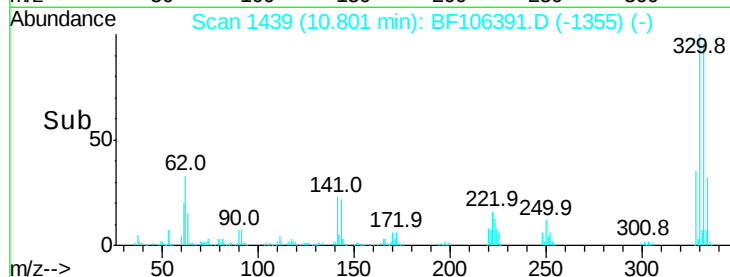
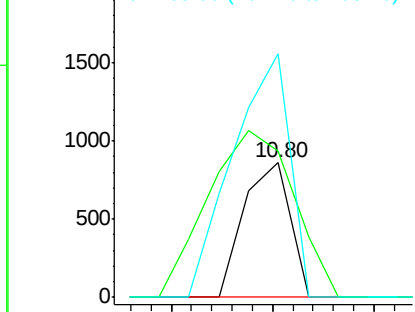
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.468 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF106391.D
 Acq: 13 Jun 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 544
 Ion Ratio Lower Upper
 198 100
 51 109.2 37.7 77.7#
 105 181.0 36.3 76.3#

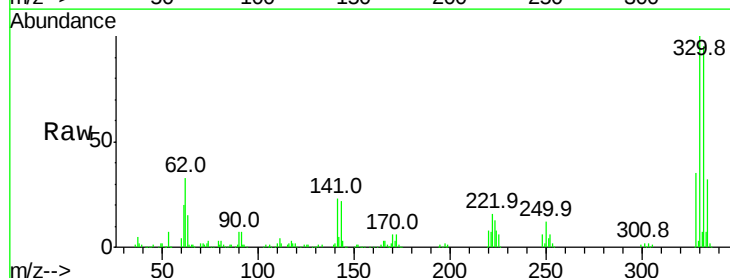


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

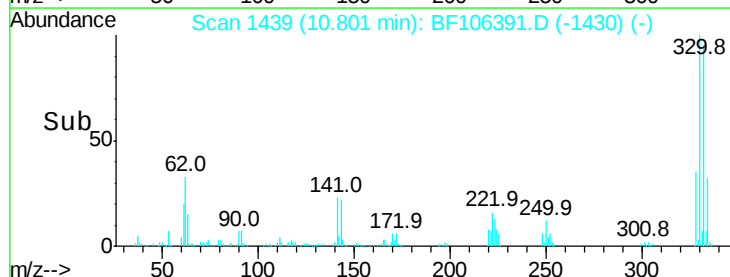
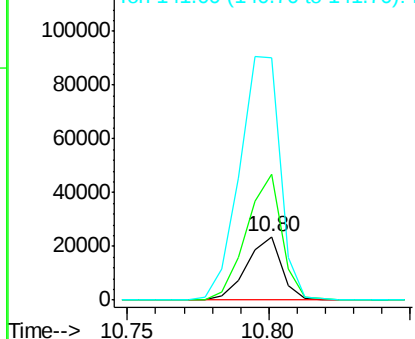


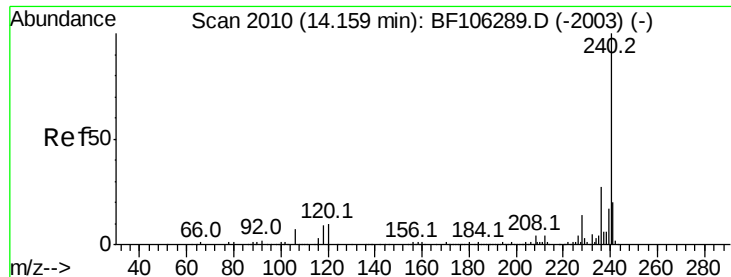
#66
 4-Bromophenyl-phenylether
 Concen: 3.494 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF106391.D
 Acq: 13 Jun 2018 15:17

Tgt Ion:248 Resp: 20149
 Ion Ratio Lower Upper
 248 100
 250 198.1 76.9 115.3#
 141 383.2 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: 14.18 min Scan# 2014

Delta R.T. 0.02 min

Lab File: BF106391.D

Acq: 13 Jun 2018 15:17

Instrument :

BNA_F

ClientSampled :

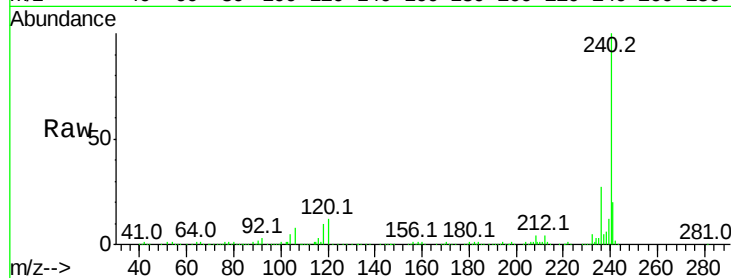
Tot Ion:240 Resp: 437160

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

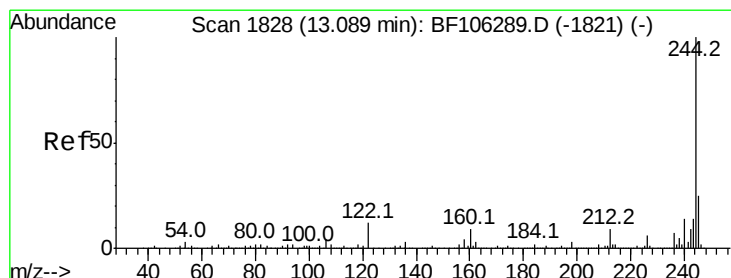
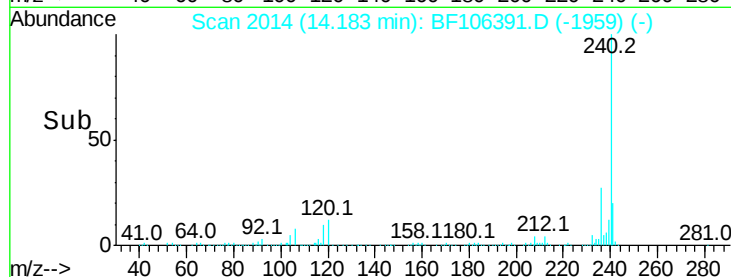
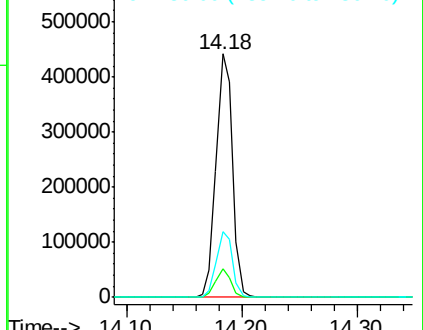
236 26.7 20.7 31.1



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: 81.973 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106391.D

Acq: 13 Jun 2018 15:17

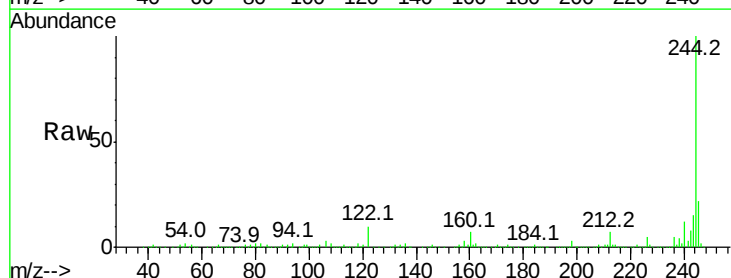
Tgt Ion:244 Resp: 1442778

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

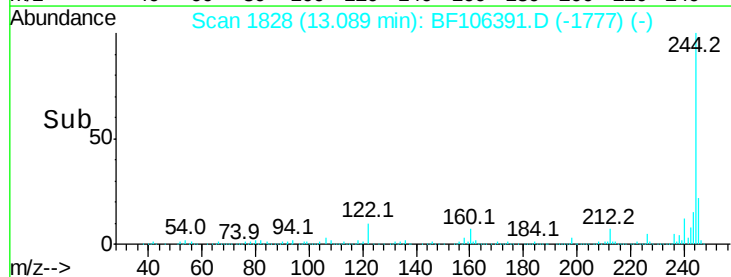
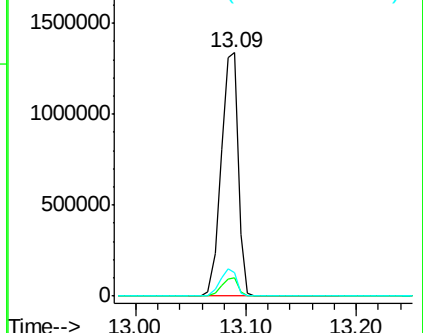
122 9.8 11.0 16.4#

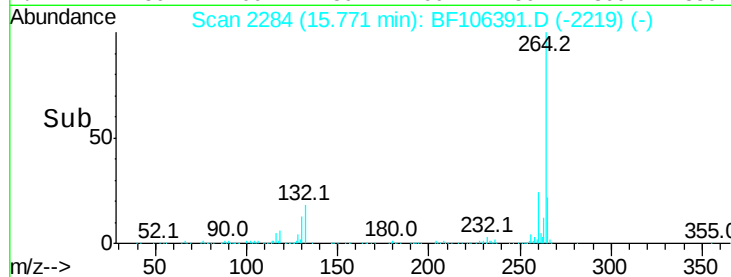
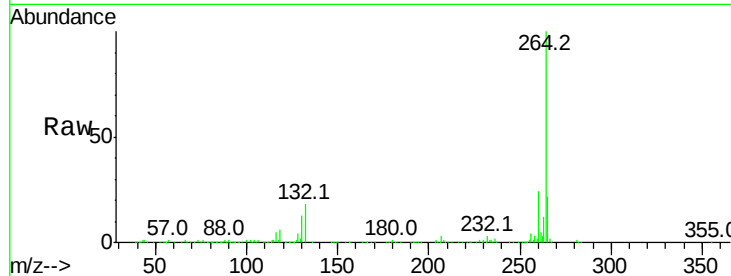
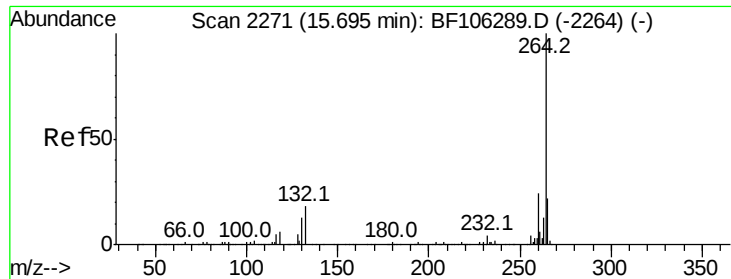


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.77 min Scan# 2284
Delta R.T. 0.08 min
Lab File: BF106391.D
Acq: 13 Jun 2018 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.5	26.3

