

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102250.D
 Acq On : 20 Jan 2018 6:26
 Operator : SJ/JU
 Sample : J1114-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 23:35:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

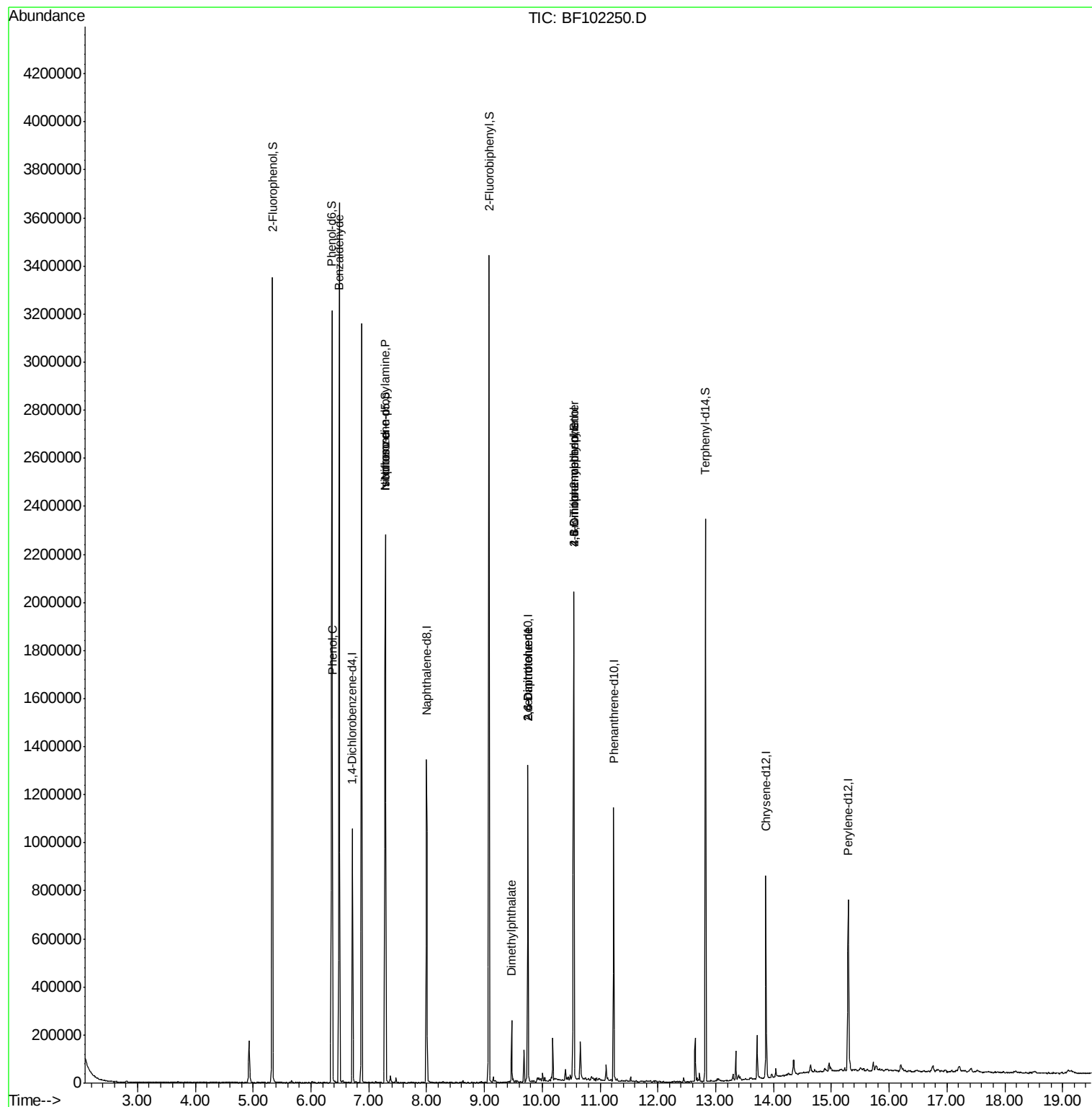
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147242	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	603598	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	257552	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	393498	20.00	ng	0.00
75) Chrysene-d12	13.87	240	276959	20.00	ng	0.00
86) Perylene-d12	15.29	264	283199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1053221	101.01	ng	0.00
7) Phenol-d6	6.36	99	1247603	100.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	793803	77.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	240349	106.93	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1152190	69.89	ng	0.00
78) Terphenyl-d14	12.82	244	787920	59.07	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	22352	2.588	ng	88
10) Phenol	6.37	94	34043	2.421	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	105200	12.903	ng	# 80
25) Isophorone	7.29	82	793793	39.111	ng	# 64
49) Dimethylphthalate	9.47	163	92416	4.473	ng	99
50) 2,6-Dinitrotoluene	9.75	165	32519	7.879	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	32519	6.287	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	518	5.876	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	15180	3.653	ng	# 1

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

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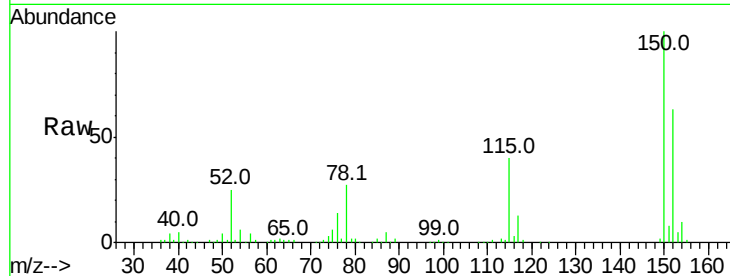


#1

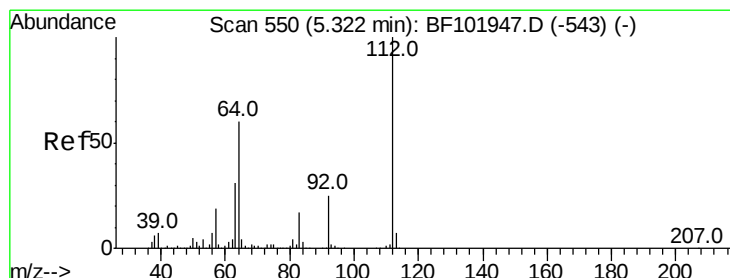
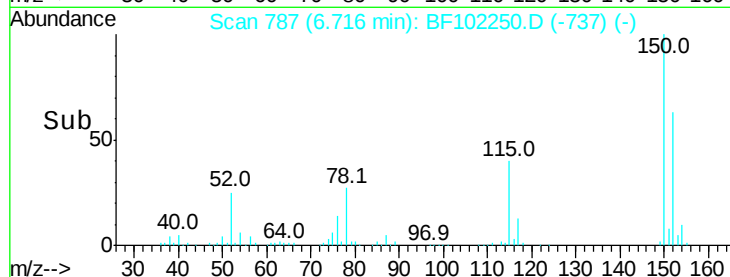
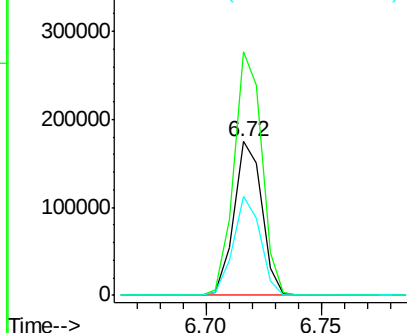
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102250.D
Acq: 20 Jan 2018 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147242
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 64.1 50.1 75.1



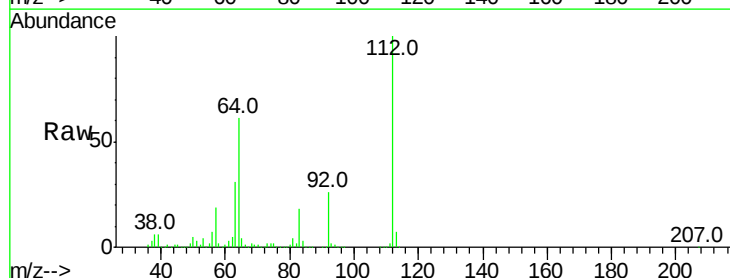
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



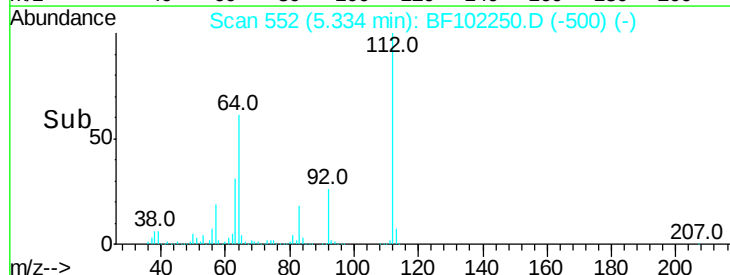
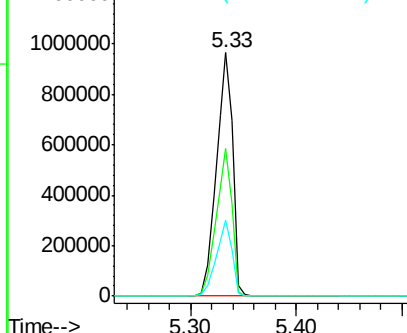
#5

2-Fluorophenol
Concen: 101.006 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102250.D
Acq: 20 Jan 2018 6:26

Tgt Ion:112 Resp: 1053221
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 31.0 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: 100.283 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Instrument :

BNA_F

ClientSampled :

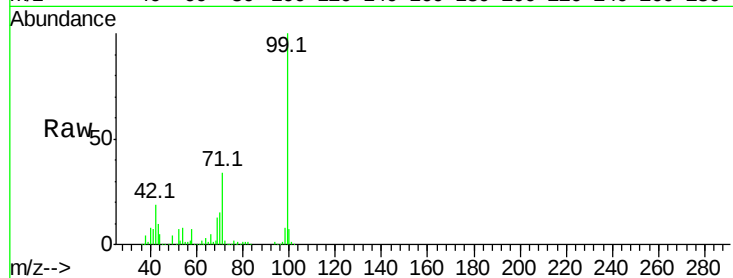
Tot Ion: 99 Resp: 1247603

Ion Ratio Lower Upper

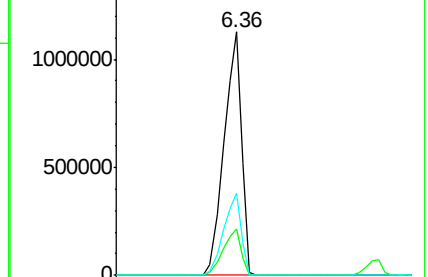
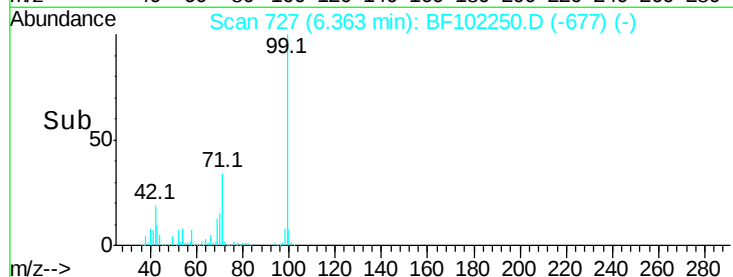
99 100

42 19.4 14.5 21.7

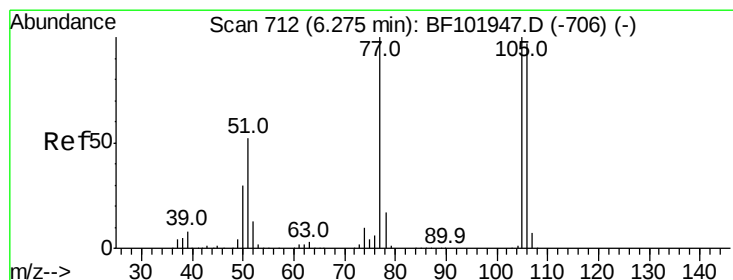
71 33.8 25.4 38.0



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



Time-->



#9

Benzaldehyde

Concen: 2.588 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

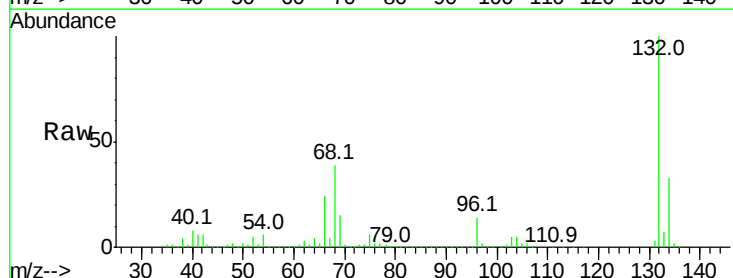
Tgt Ion: 77 Resp: 22352

Ion Ratio Lower Upper

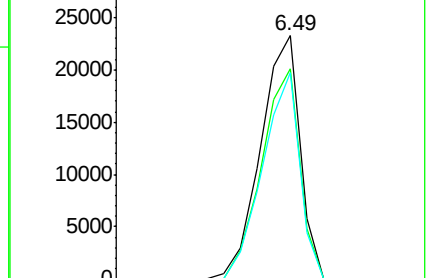
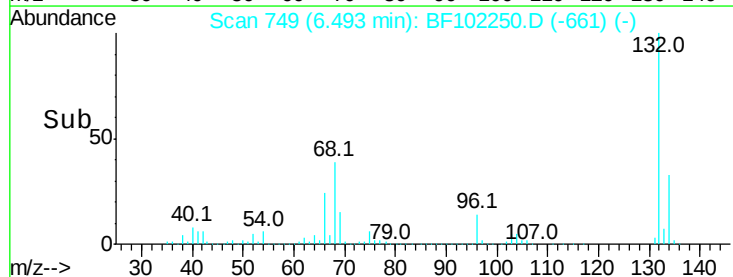
77 100

105 86.6 81.1 121.1

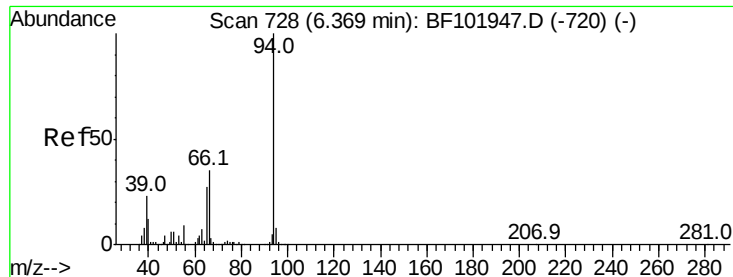
106 84.8 74.5 114.5



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



Time-->



#10

Phenol

Concen: 2.421 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Instrument :

BNA_F

ClientSampleId :

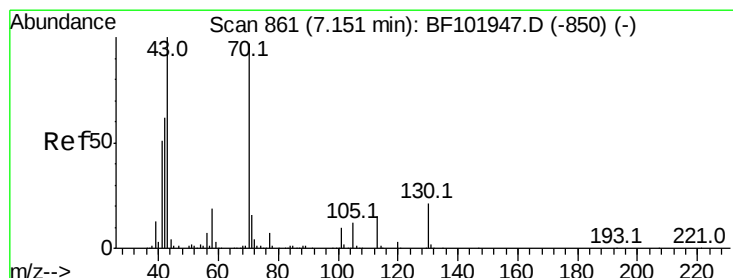
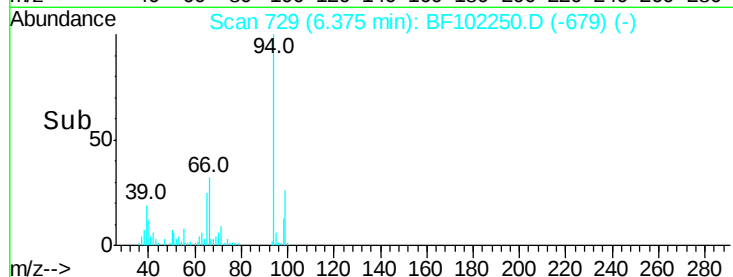
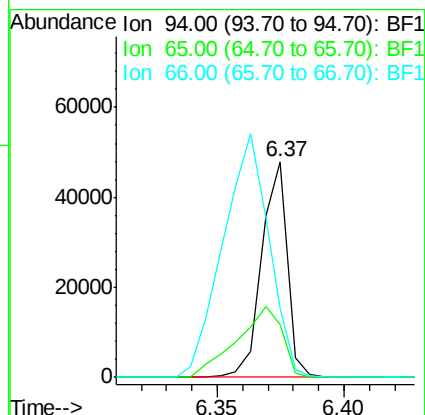
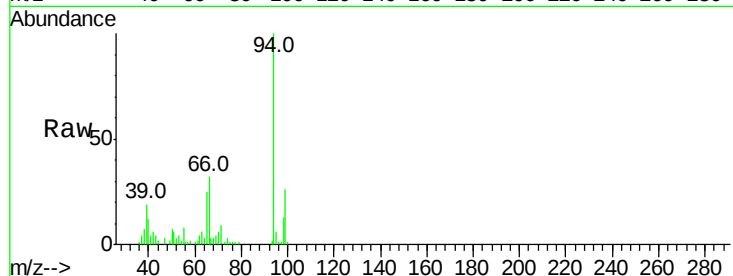
Tot Ion: 94 Resp: 34043

Ion Ratio Lower Upper

94 100

65 24.7 7.9 47.9

66 32.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.903 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Tgt Ion: 70 Resp: 105200

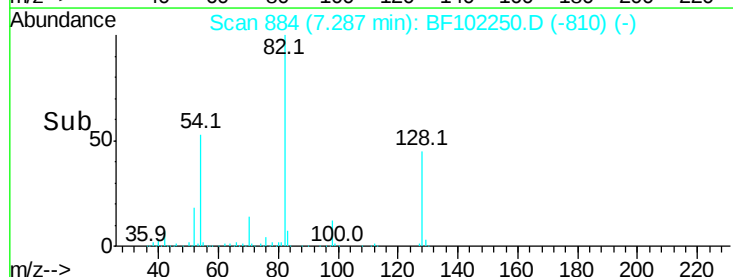
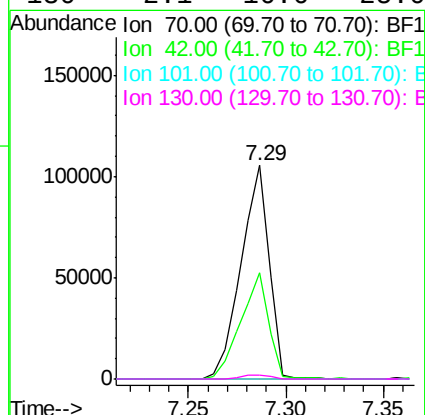
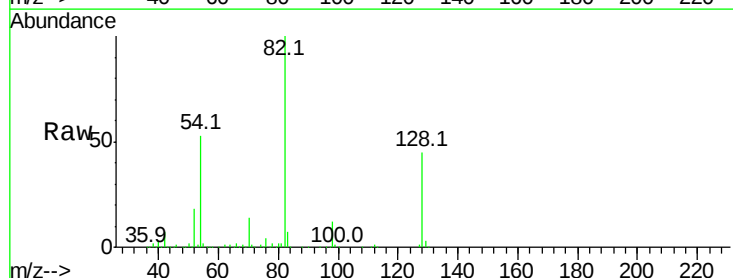
Ion Ratio Lower Upper

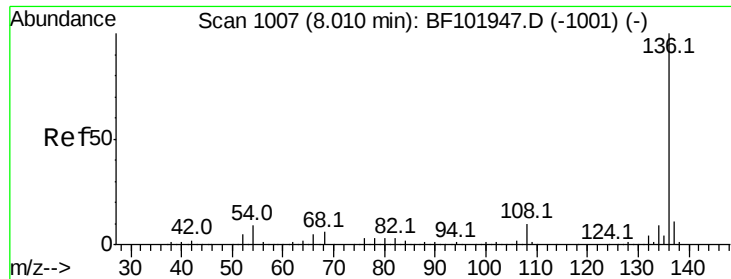
70 100

42 49.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

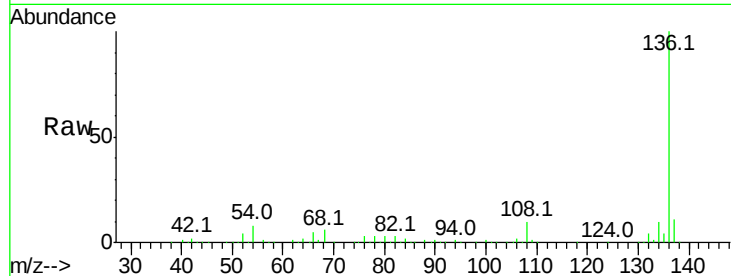




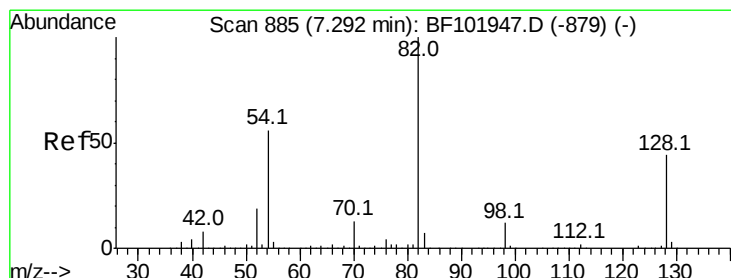
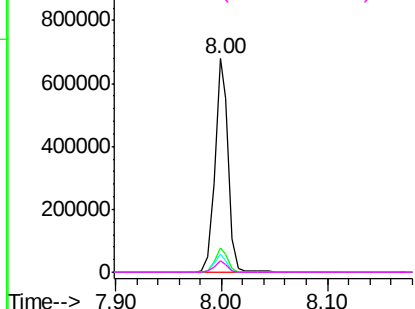
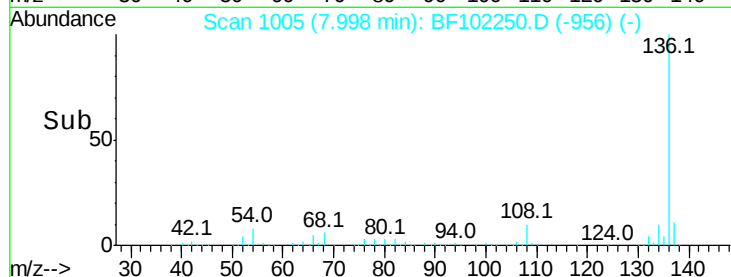
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102250.D
Acq: 20 Jan 2018 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	603598
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.3	6.6	9.8
68	5.7	5.0	7.4

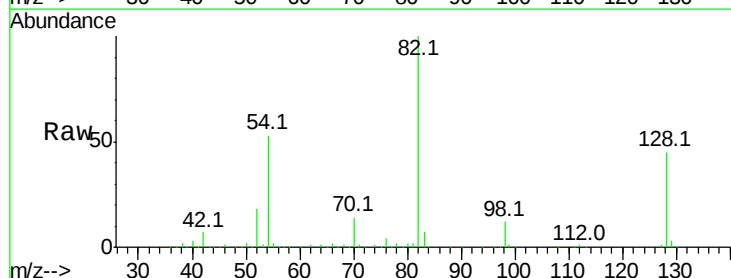


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

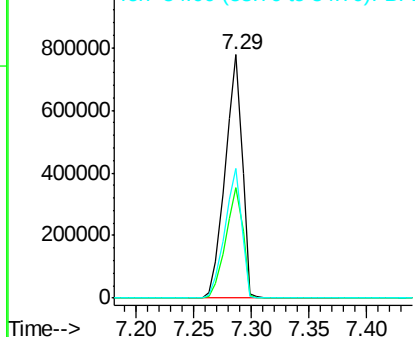
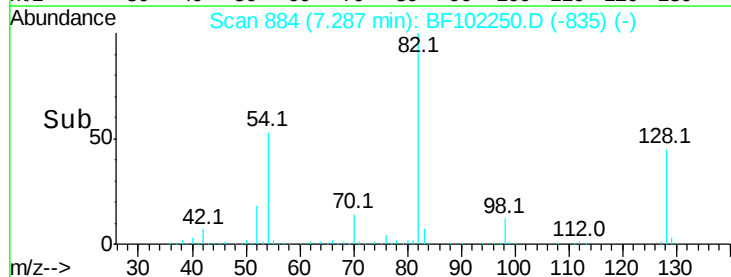


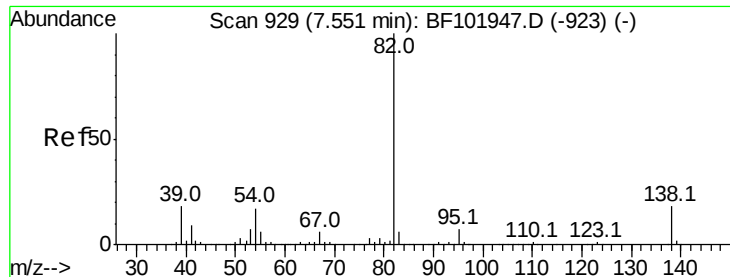
#23
Nitrobenzene-d5
Concen: 77.282 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102250.D
Acq: 20 Jan 2018 6:26

Tgt Ion:	82	Resp:	793803
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	53.1	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: 39.111 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Instrument :

BNA_F

ClientSampleId :

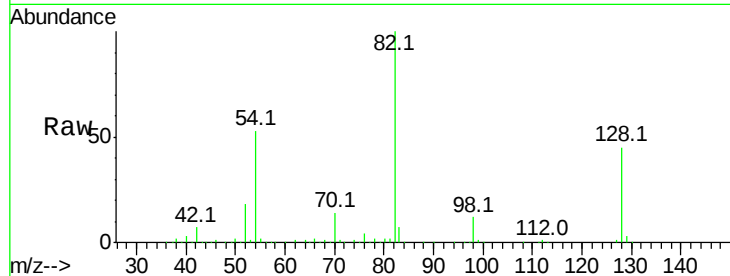
Tot Ion: 82 Resp: 793793

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

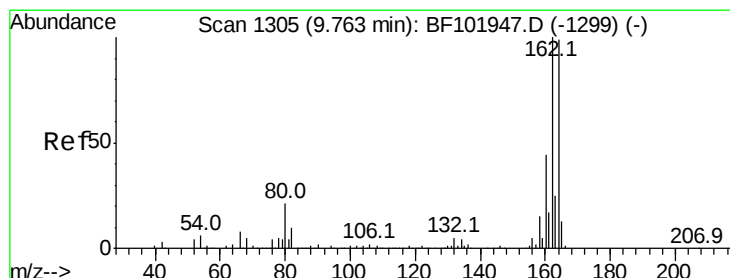
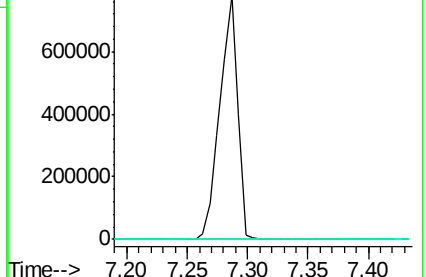
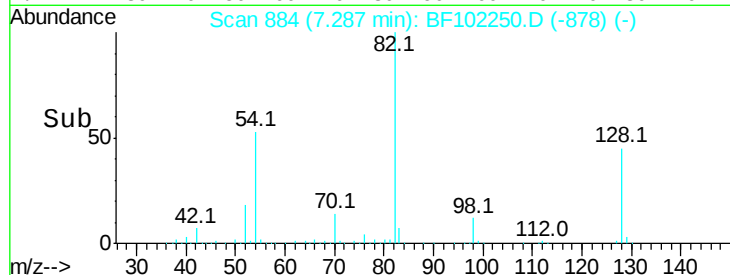
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

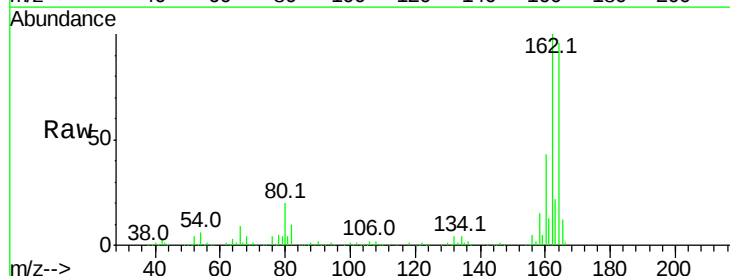
Tgt Ion:164 Resp: 257552

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

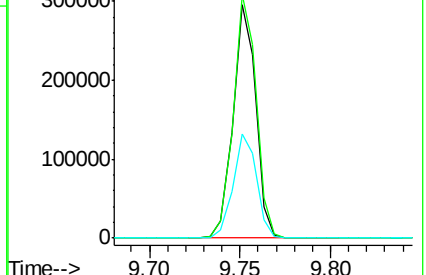
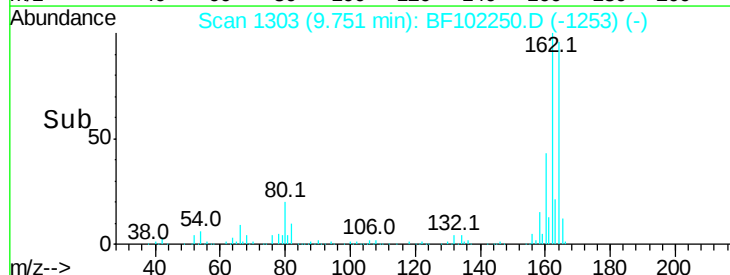
160 44.5 38.3 57.5

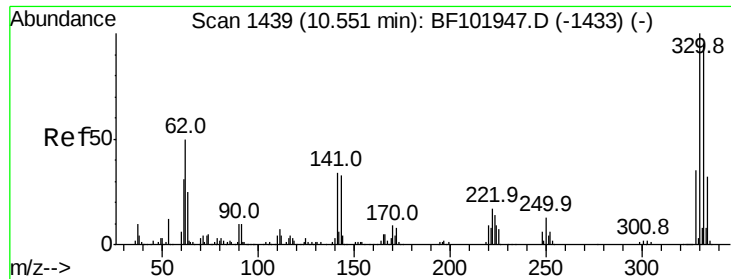


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

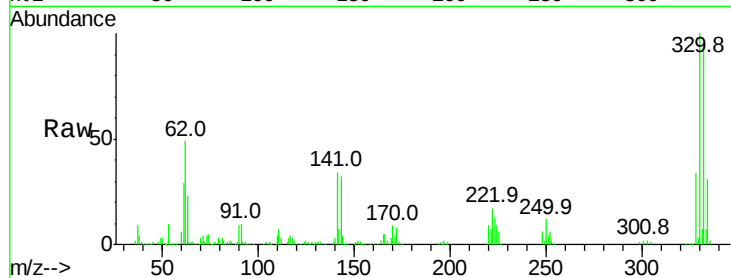




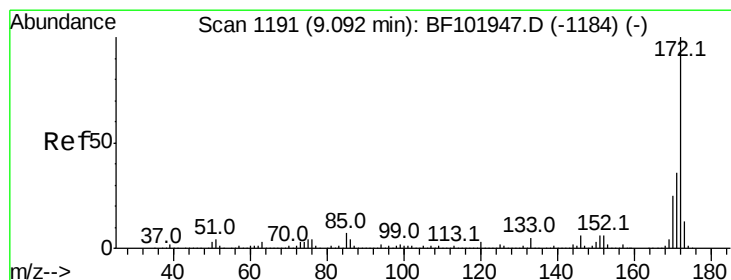
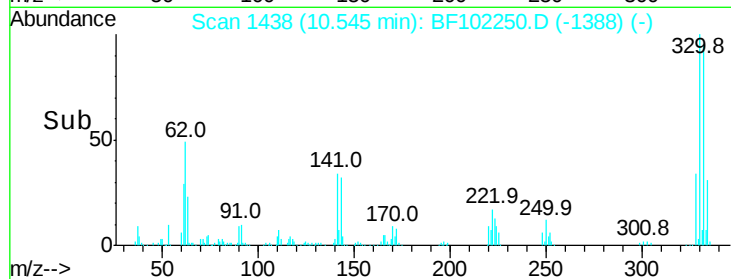
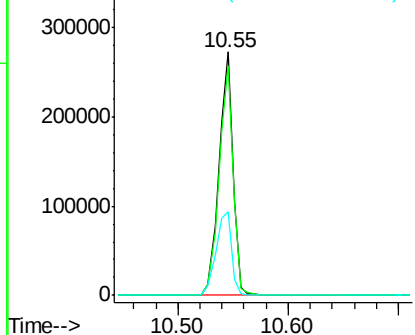
#41
 2,4,6-Tribromophenol
 Concen: 106.935 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102250.D
 Acq: 20 Jan 2018 6:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	37.8	29.9	44.9

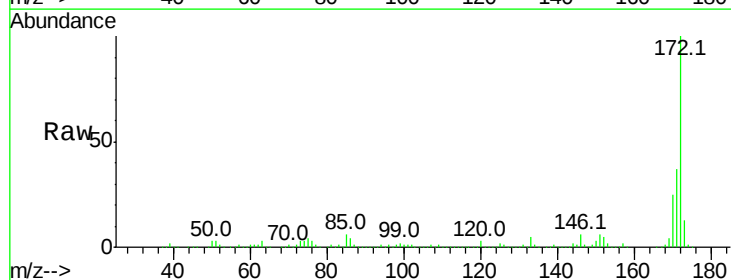


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

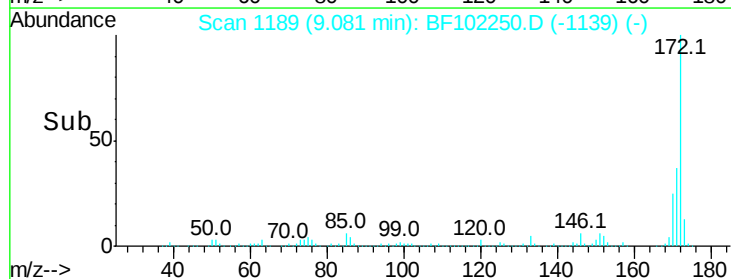
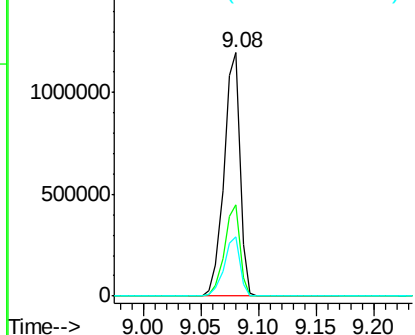


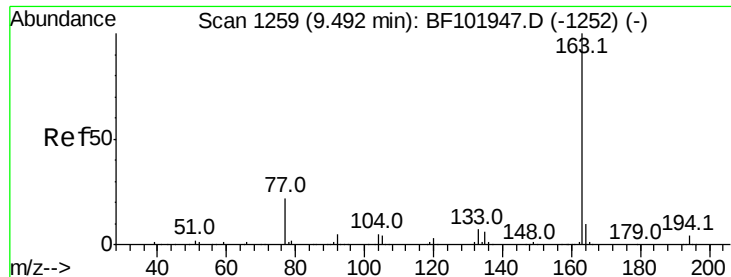
#44
 2-Fluorobiphenyl
 Concen: 69.890 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102250.D
 Acq: 20 Jan 2018 6:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.6	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

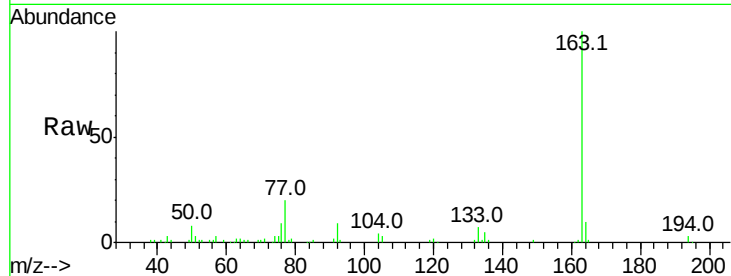




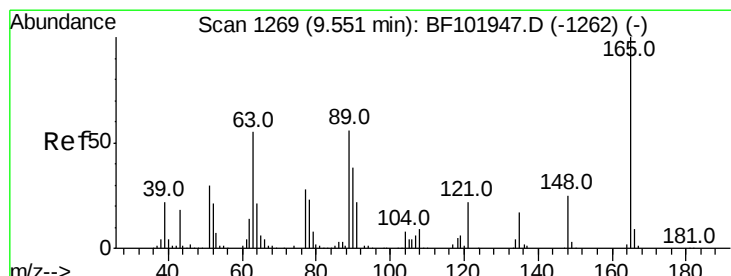
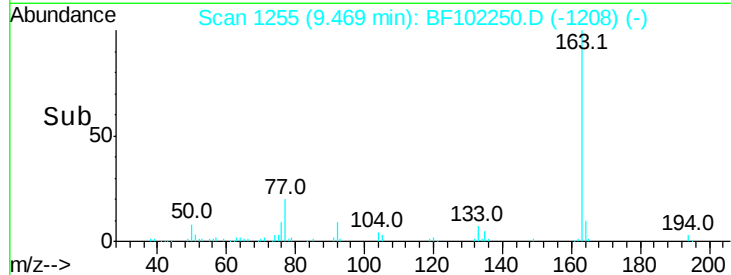
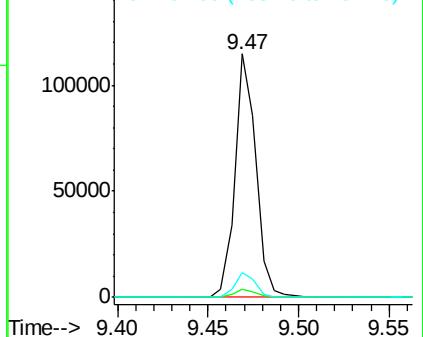
#49
Dimethylphthalate
Concen: 4.473 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102250.D
Acq: 20 Jan 2018 6:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 92416
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.0 8.2 12.2

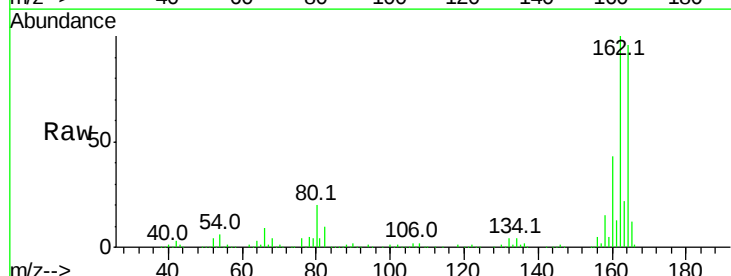


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

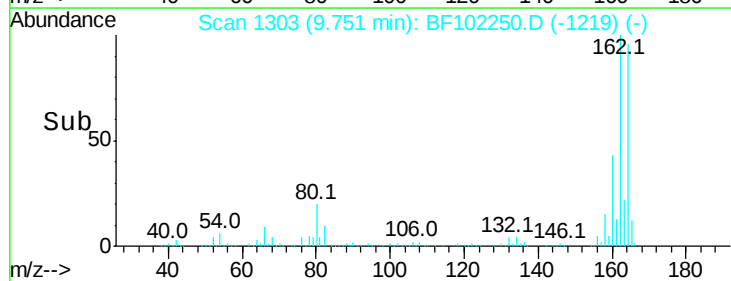
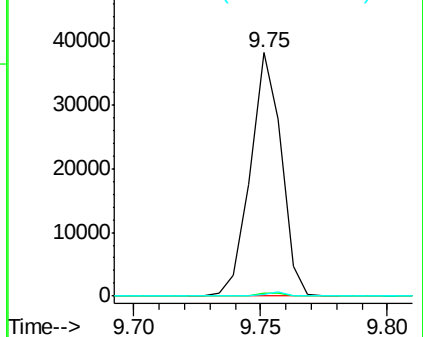


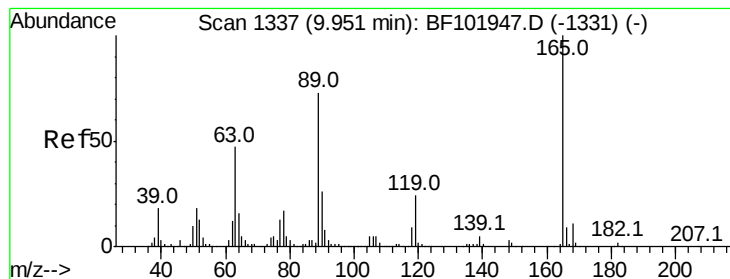
#50
2,6-Dinitrotoluene
Concen: 7.879 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.19 min
Lab File: BF102250.D
Acq: 20 Jan 2018 6:26

Tgt Ion:165 Resp: 32519
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 0.8 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: 6.287 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

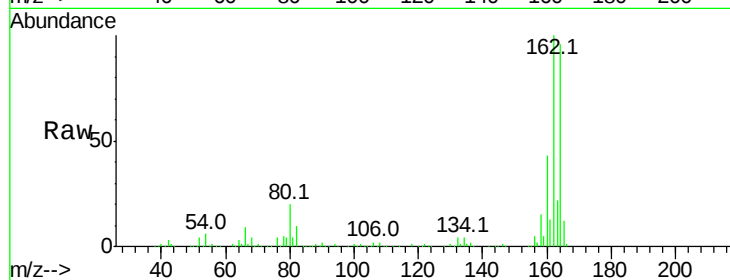
Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Instrument :

BNA_F

ClientSampleId :



Tot Ion:165 Resp: 32519

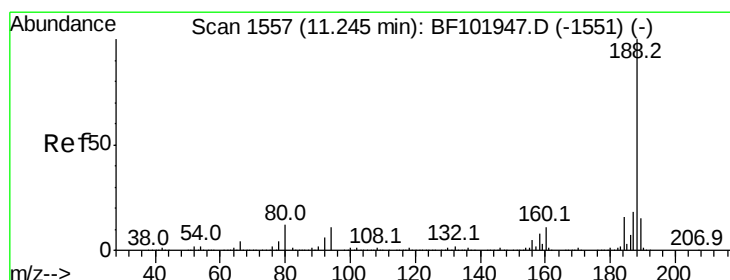
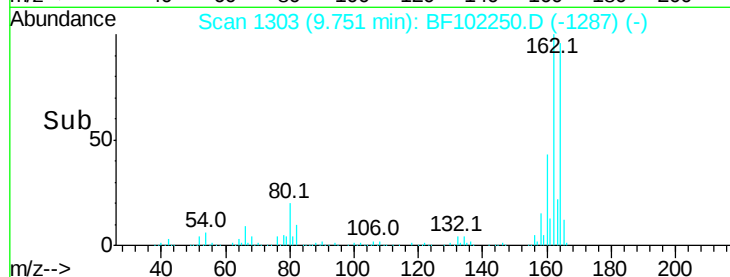
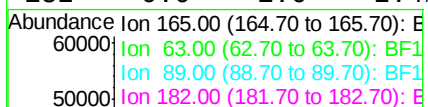
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 0.8 57.8 86.6#

182 0.0 1.6 2.4#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

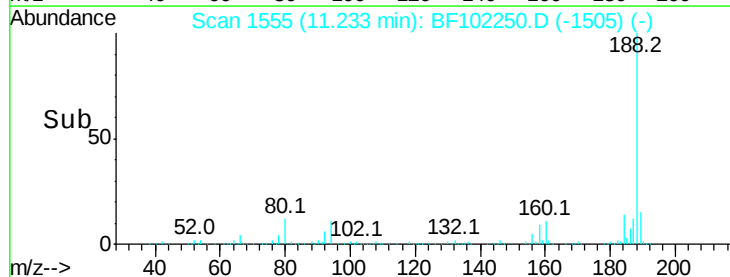
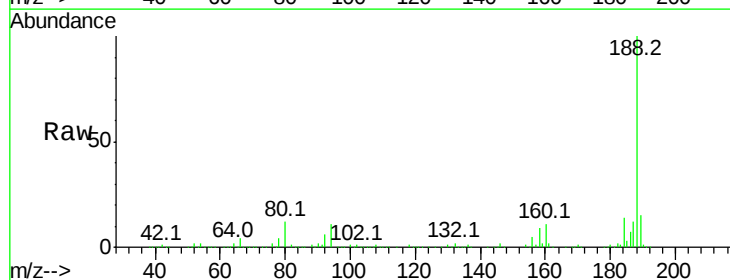
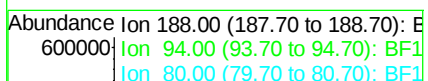
Tgt Ion:188 Resp: 393498

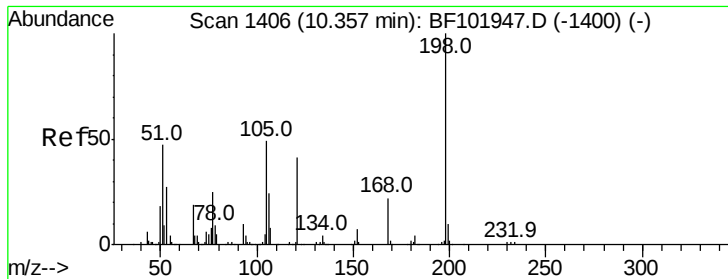
Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

80 12.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.876 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

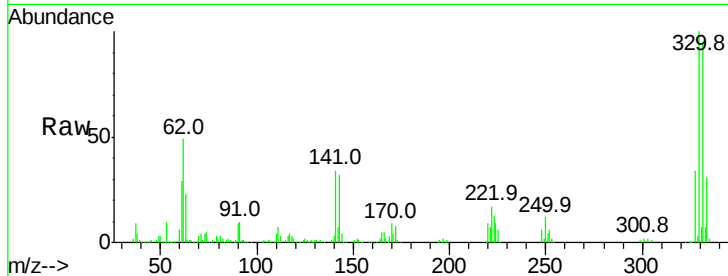
Instrument :

BNA_F

ClientSampled :

Tot Ion:198 Resp: 518

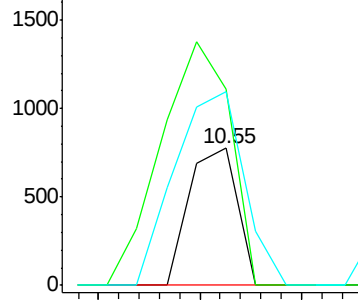
Ion	Ratio	Lower	Upper
198	100		
51	143.2	37.7	77.7#
105	140.8	36.3	76.3#



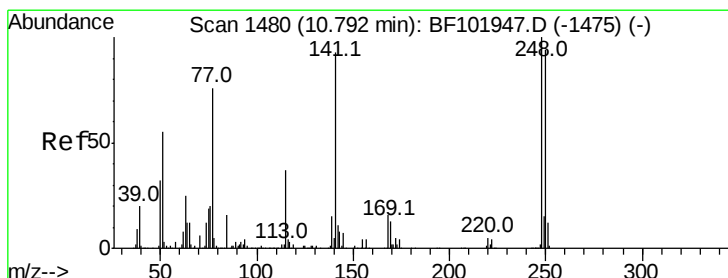
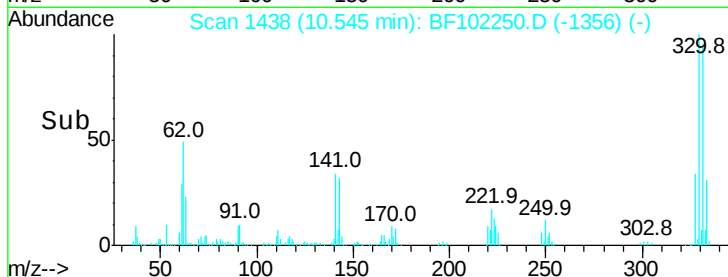
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.653 ng

RT: 10.55 min Scan# 1438

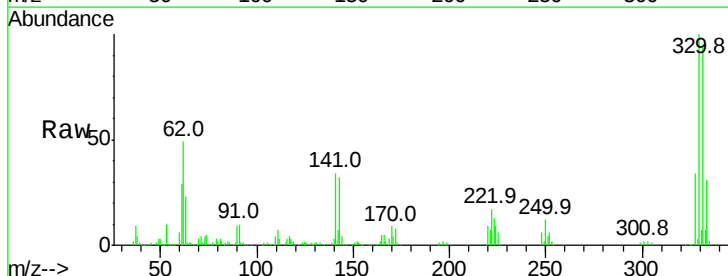
Delta R.T. -0.25 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Tgt Ion:248 Resp: 15180

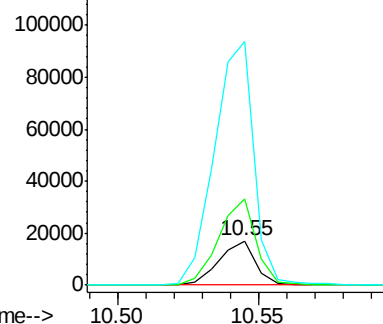
Ion	Ratio	Lower	Upper
248	100		
250	195.7	76.9	115.3#
141	549.9	74.4	111.6#



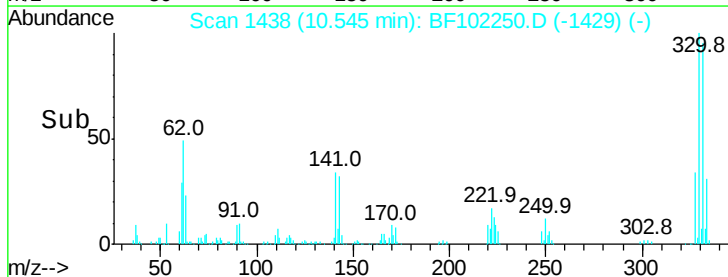
Abundance Ion 248.00 (247.70 to 248.70): E

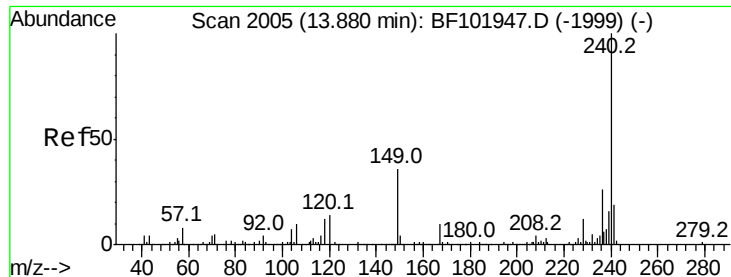
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

Instrument :

BNA_F

ClientSampleId :

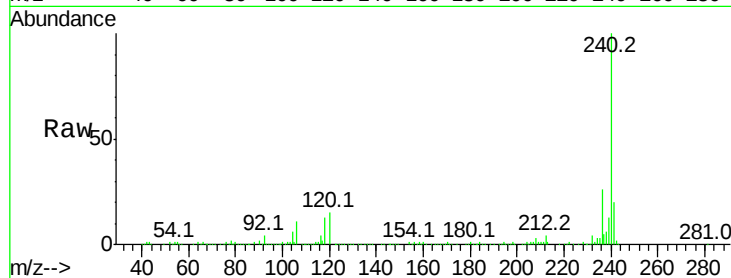
Tot Ion:240 Resp: 276959

Ion Ratio Lower Upper

240 100

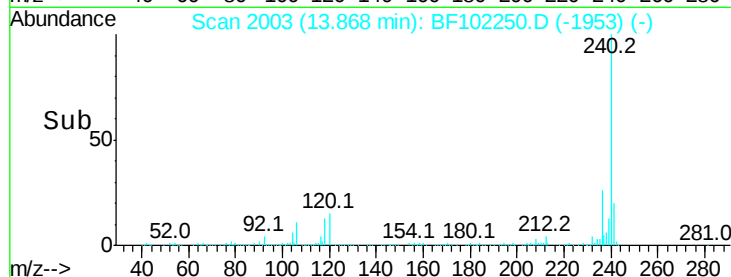
120 15.3 9.5 14.3#

236 25.7 20.7 31.1

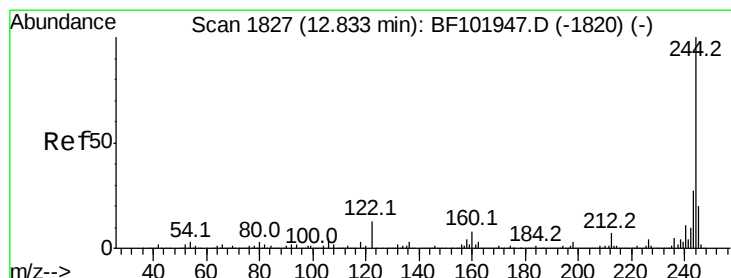


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.87



Time--> 13.80 13.85 13.90 13.95



#78

Terphenyl-d14

Concen: 59.068 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102250.D

Acq: 20 Jan 2018 6:26

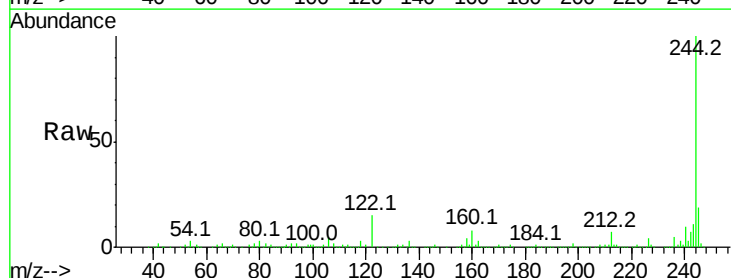
Tgt Ion:244 Resp: 787920

Ion Ratio Lower Upper

244 100

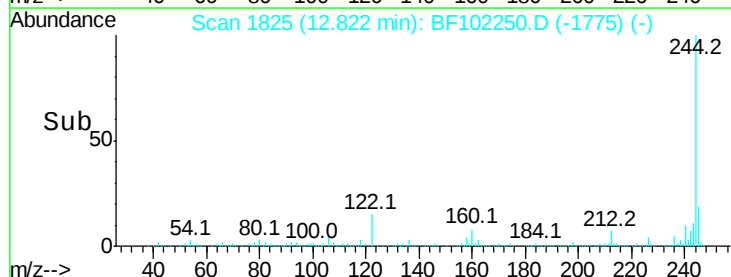
212 6.8 5.4 8.0

122 14.6 11.0 16.4

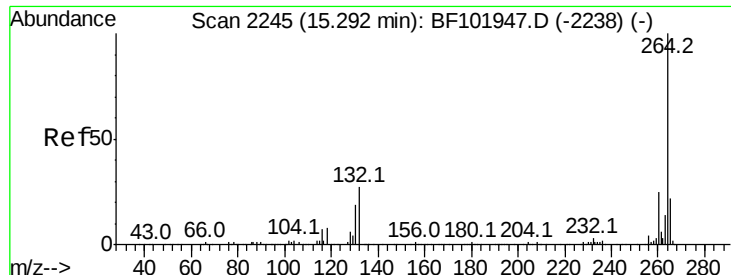


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.82



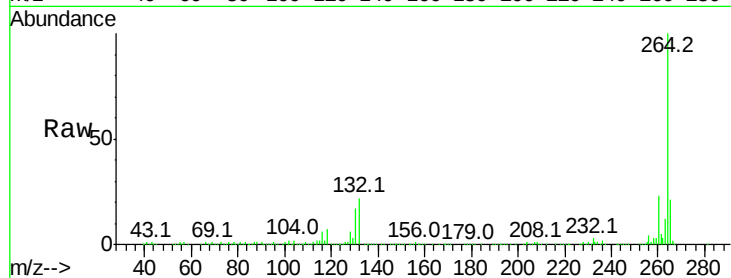
Time--> 12.75 12.80 12.85 12.90



#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BF102250.D
 Acq: 20 Jan 2018 6:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.0	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

