

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108249.D
 Acq On : 17 Aug 2018 17:59
 Operator : JU/SJ
 Sample : J4500-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 18:49:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

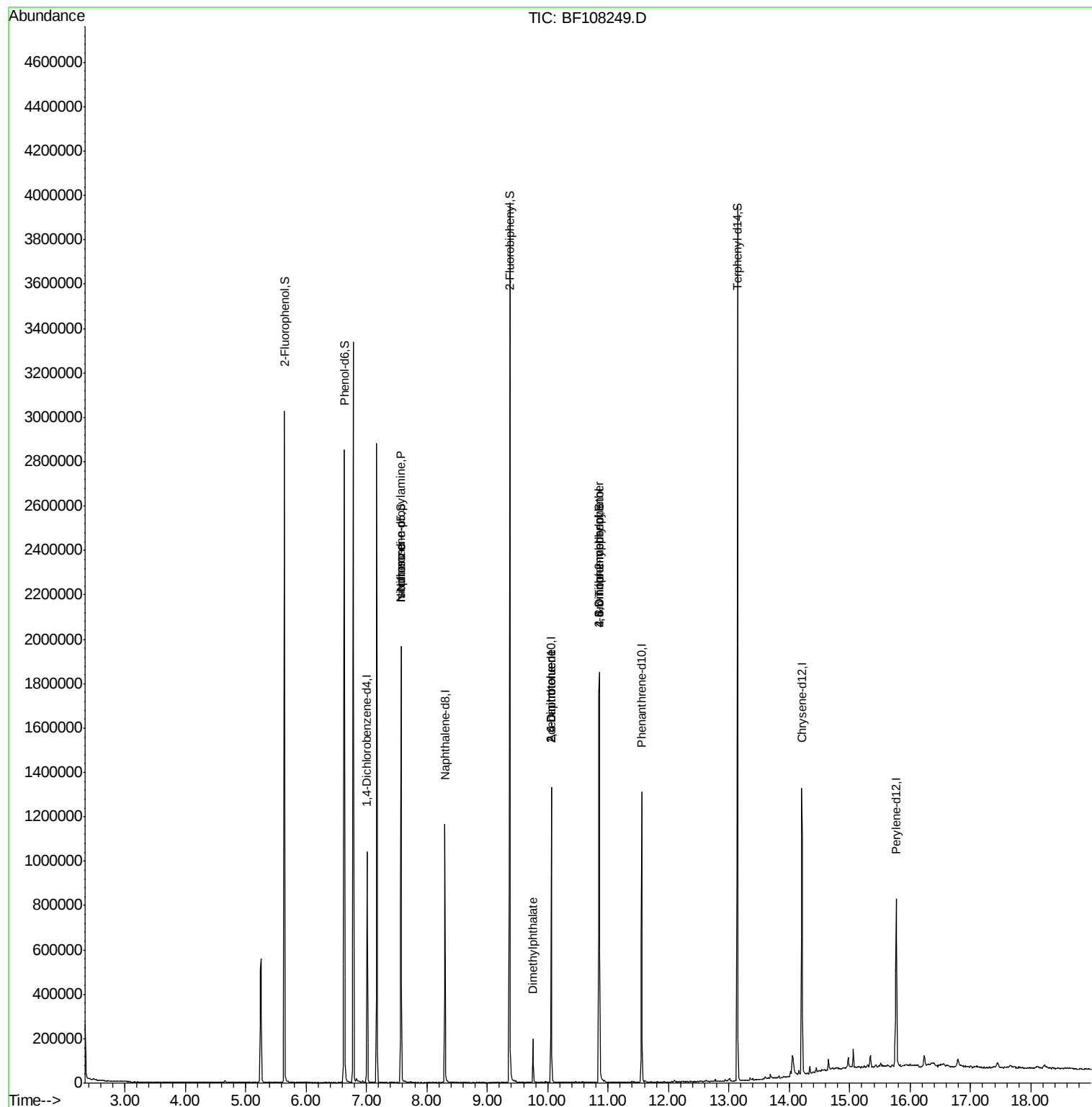
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	141057	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	520387	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	247307	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	463113	20.00	ng	0.00
75) Chrysene-d12	14.21	240	446128	20.00	ng	-0.01
86) Perylene-d12	15.77	264	382927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	732840	94.06	ng	0.01
7) Phenol-d6	6.64	99	961636	92.88	ng	0.00
23) Nitrobenzene-d5	7.58	82	622844	66.79	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	238222	96.57	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1185588	76.97	ng	0.00
78) Terphenyl-d14	13.14	244	1308196	74.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	82765	11.821	ng	# 82
25) Isophorone	7.58	82	622836	35.040	ng	# 64
49) Dimethylphthalate	9.76	163	72202	4.191	ng	# 98
50) 2,6-Dinitrotoluene	10.06	165	31658	8.784	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	31658	6.824	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	427	5.577	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	15906	3.160	ng	# 1

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

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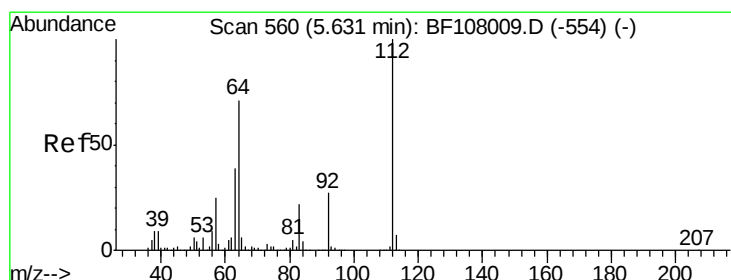
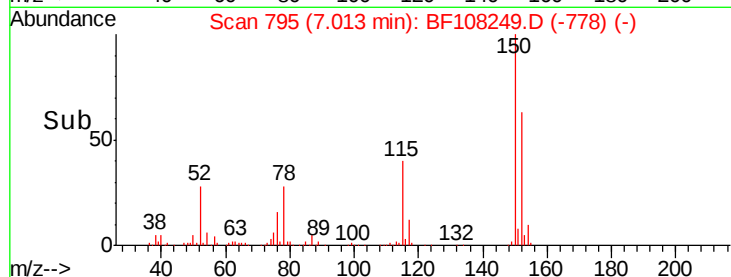
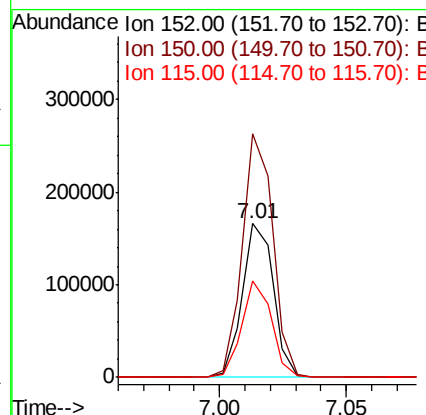
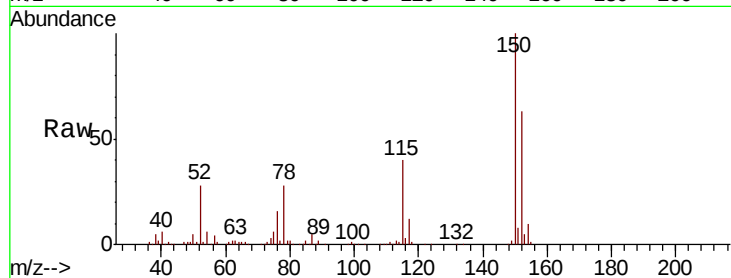


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108249.D
Acq: 17 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :

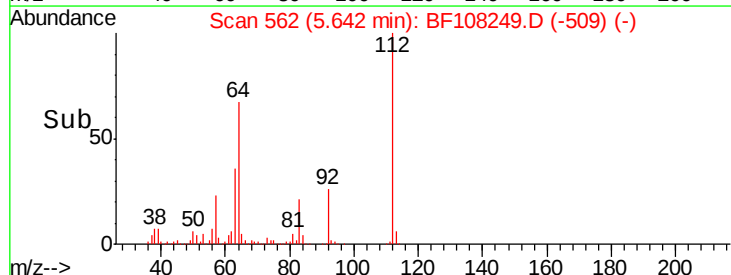
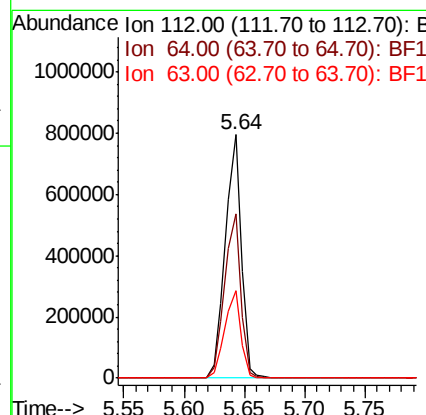
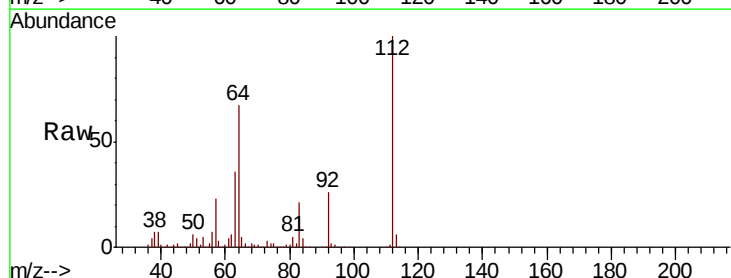
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	63.2	50.1	75.1

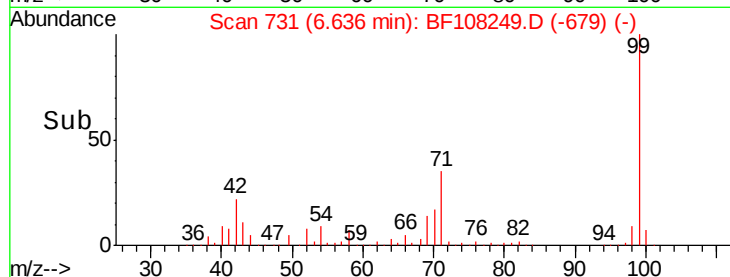
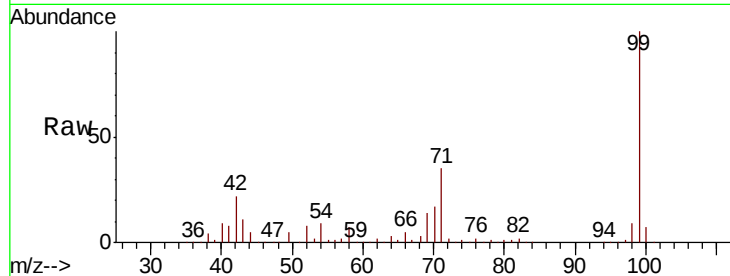


#5

2-Fluorophenol
Concen: 94.059 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108249.D
Acq: 17 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	47.9	71.9
63	35.9	23.7	35.5#





#7

Phenol-d6

Concen: 92.880 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

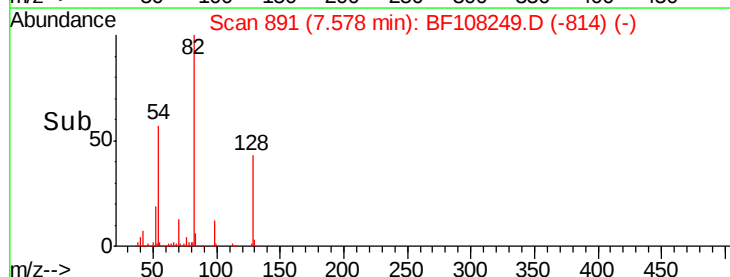
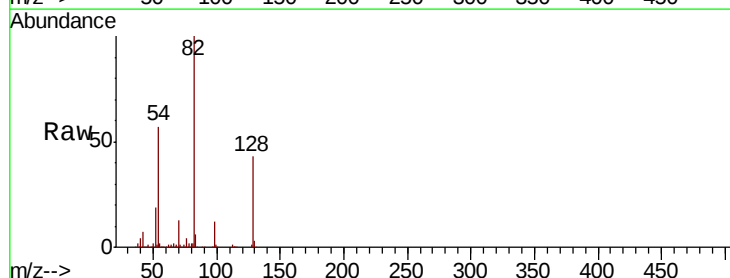
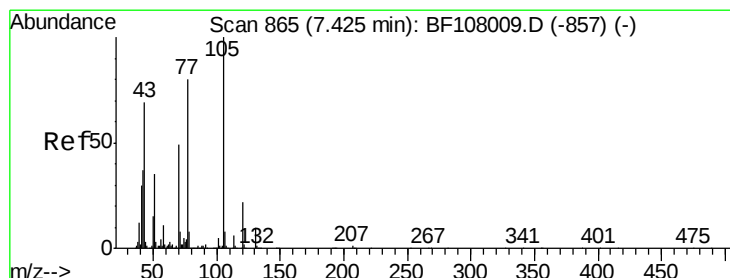
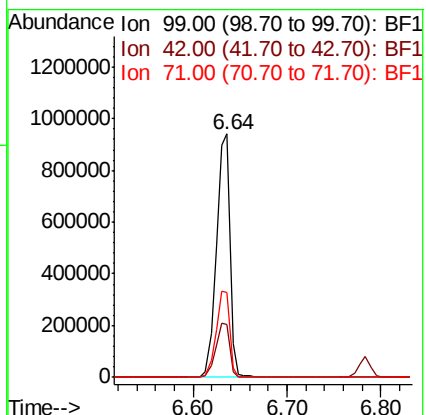
Tot Ion: 99 Resp: 961636

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

71 35.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.821 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

Tgt Ion: 70 Resp: 82765

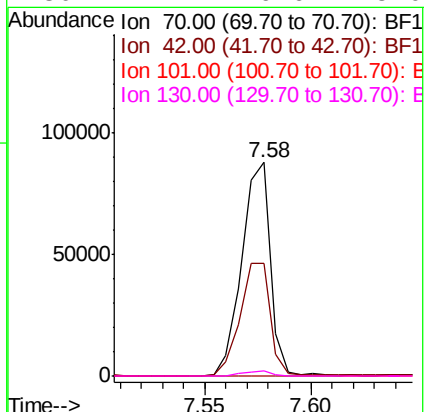
Ion Ratio Lower Upper

70 100

42 53.0 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: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 520387

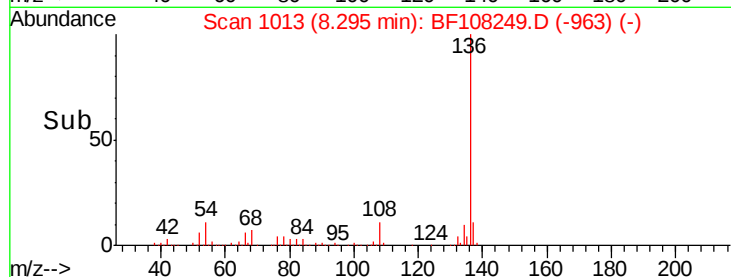
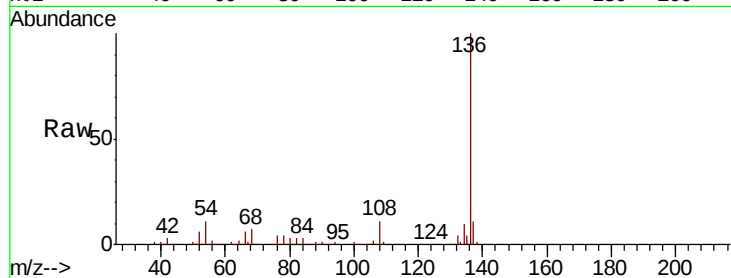
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.6 6.6 9.8#

68 6.6 5.0 7.4

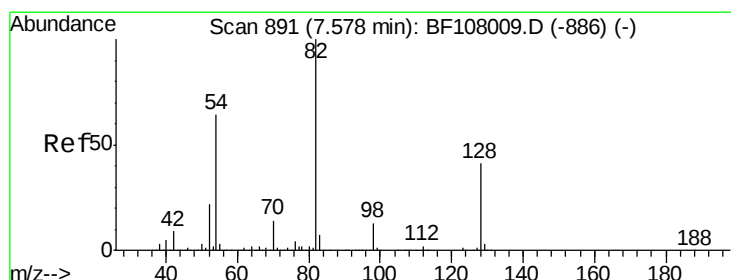
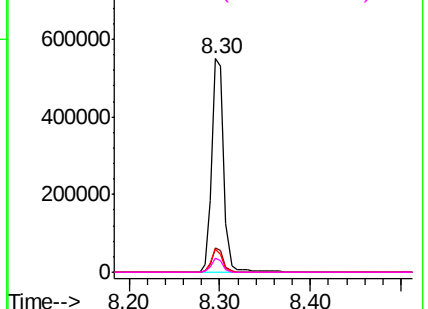


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.788 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

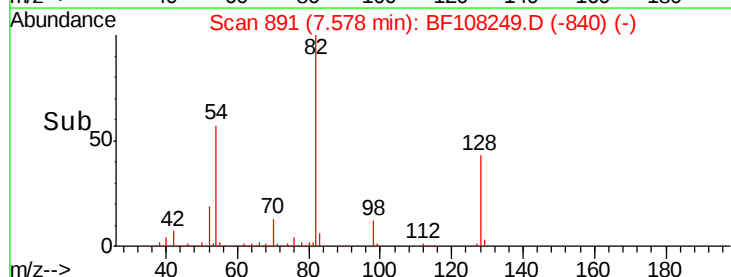
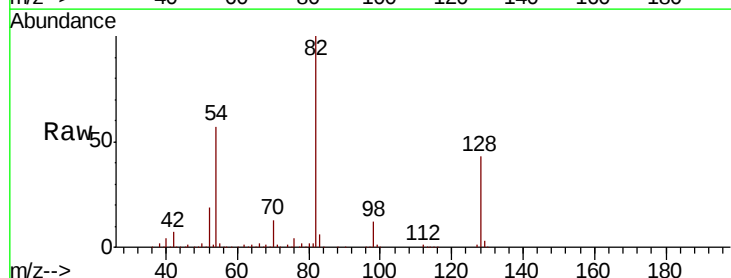
Tgt Ion: 82 Resp: 622844

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

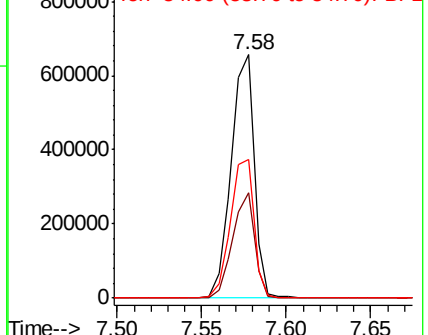
54 56.8 41.4 62.2

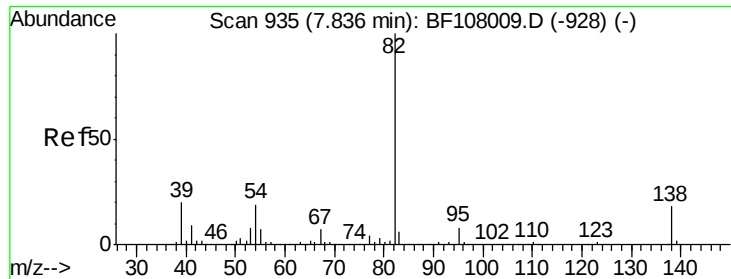


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.040 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

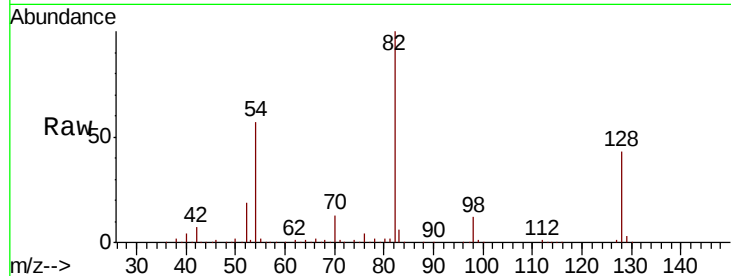
Tot Ion: 82 Resp: 622836

Ion Ratio Lower Upper

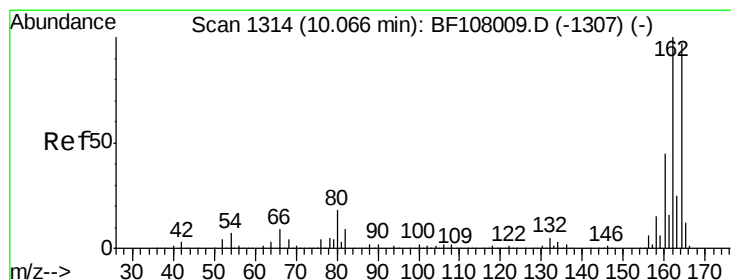
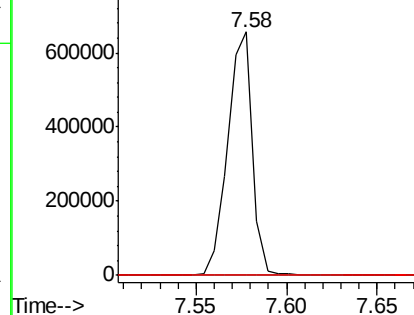
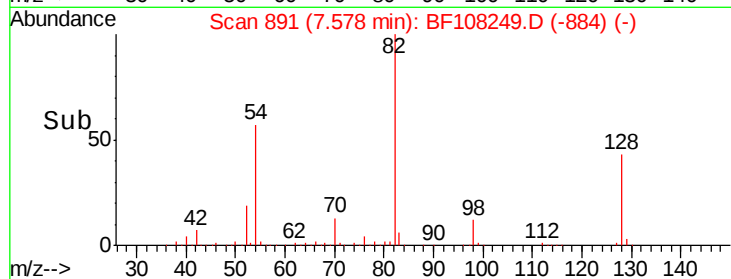
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

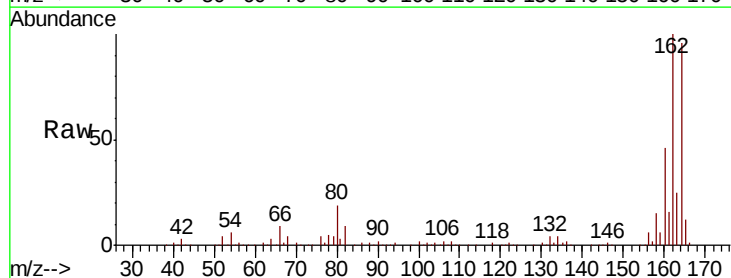
Tgt Ion: 164 Resp: 247307

Ion Ratio Lower Upper

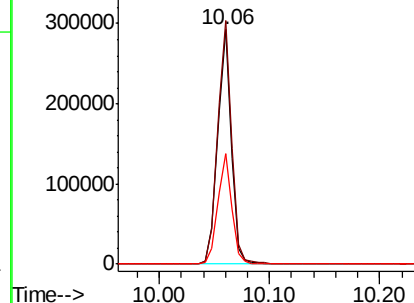
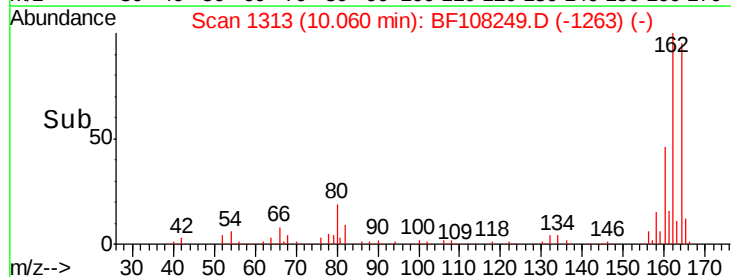
164 100

162 103.8 86.1 129.1

160 47.3 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

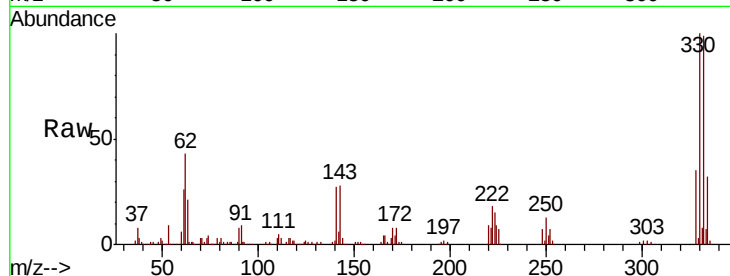




#41
 2,4,6-Tribromophenol
 Concen: 96.570 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108249.D
 Acq: 17 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	32.8	29.9	44.9

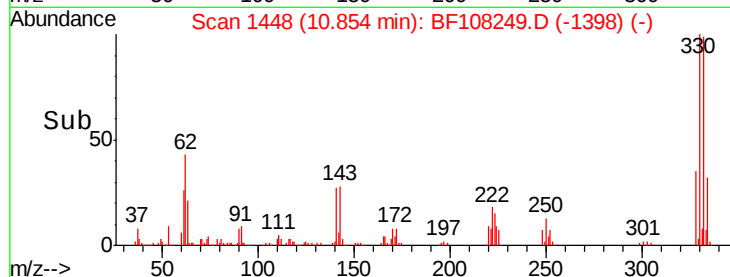
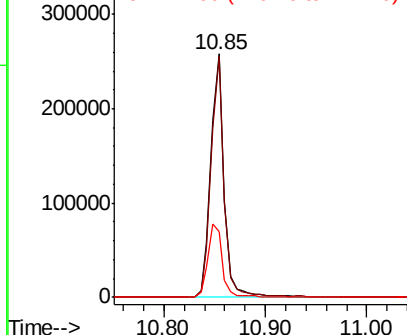


Abundance

Ion 329.80 (329.50 to 330.50): E

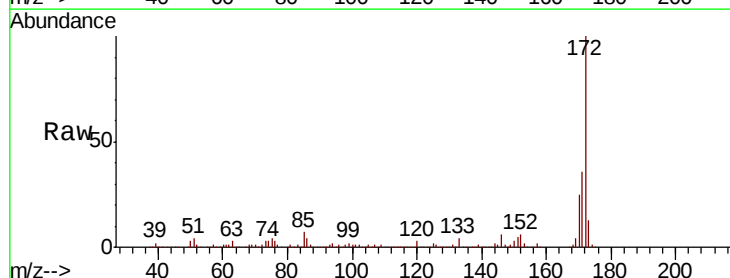
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.966 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108249.D
 Acq: 17 Aug 2018 17:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.6	19.6	29.4

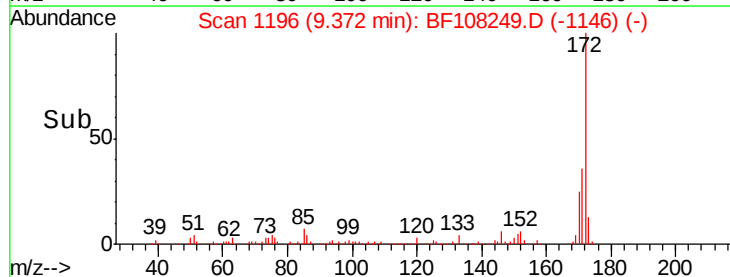
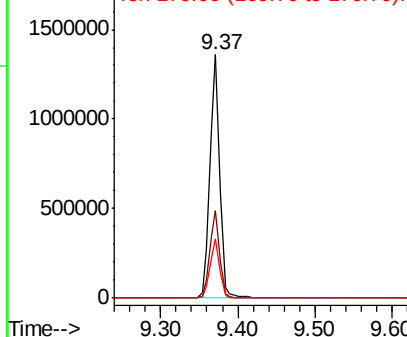


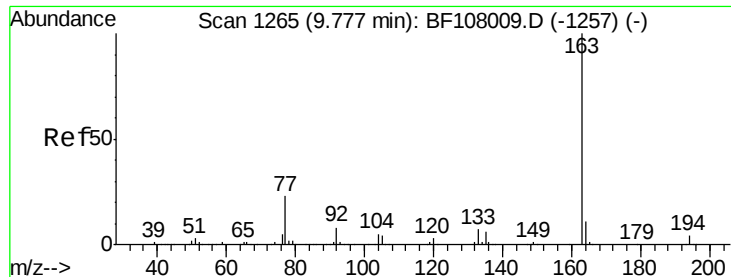
Abundance

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

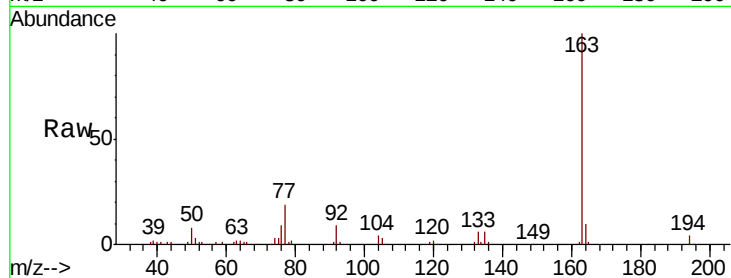




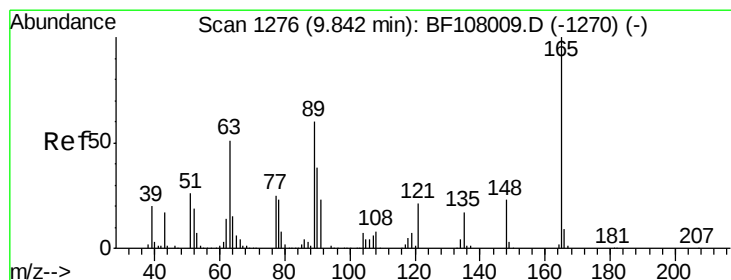
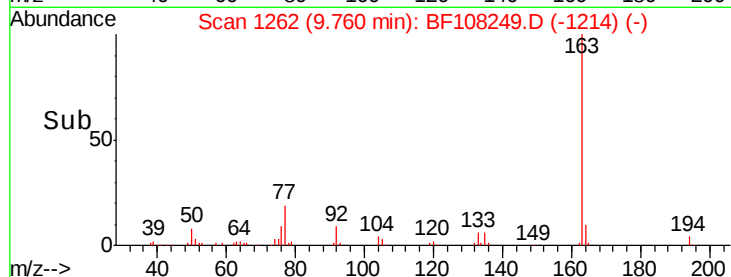
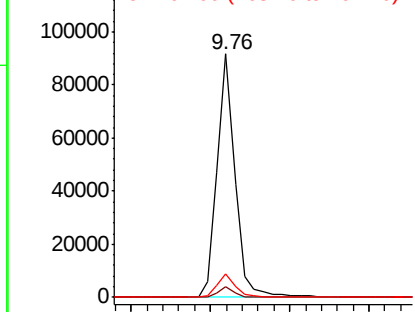
#49
Dimethylphthalate
Concen: 4.191 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108249.D
Acq: 17 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 72202
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.6 8.2 12.2

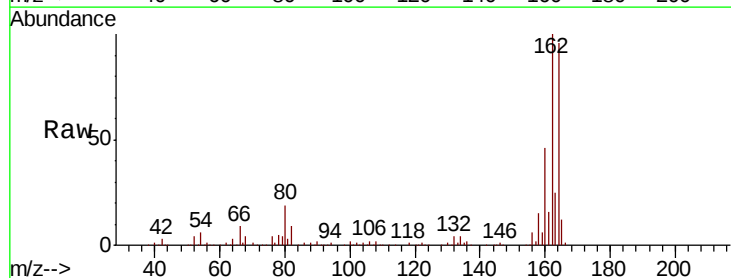


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

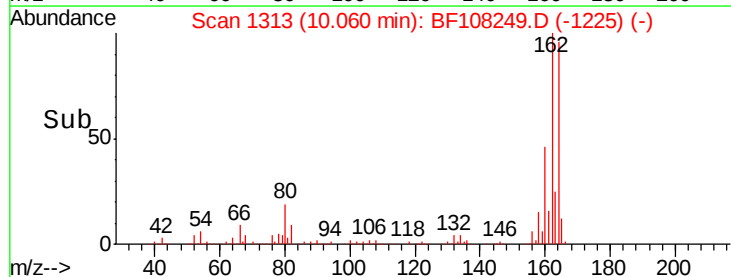
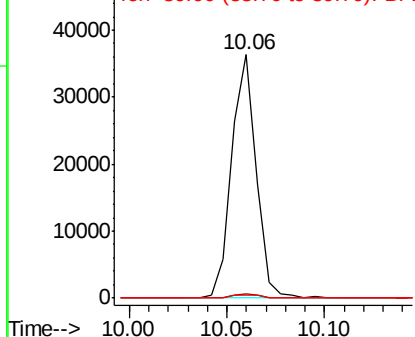


#50
2,6-Dinitrotoluene
Concen: 8.784 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108249.D
Acq: 17 Aug 2018 17:59

Tgt Ion:165 Resp: 31658
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.4 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

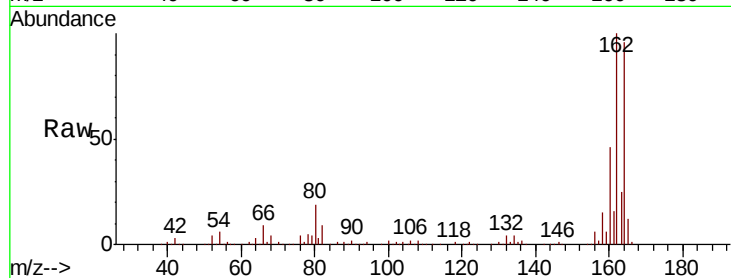




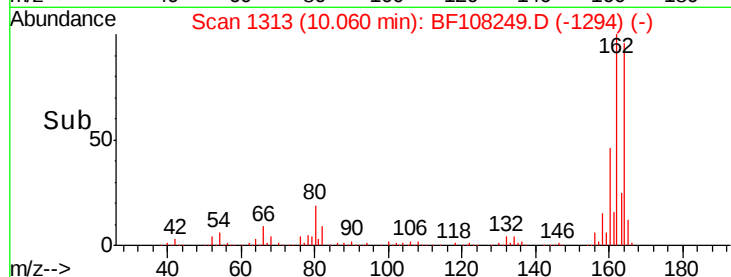
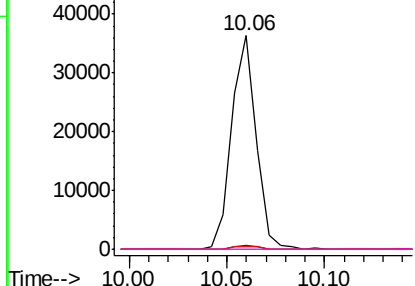
#56
 2,4-Dinitrotoluene
 Concen: 6.824 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108249.D
 Acq: 17 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	31658
Ion Ratio	Lower	Upper
165	100	
63	1.7	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

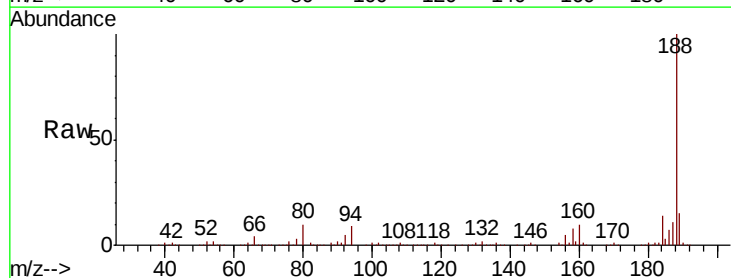


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

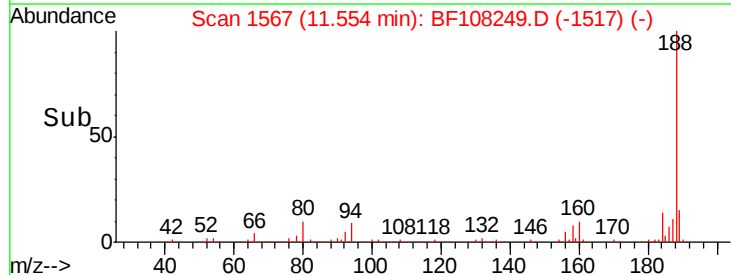
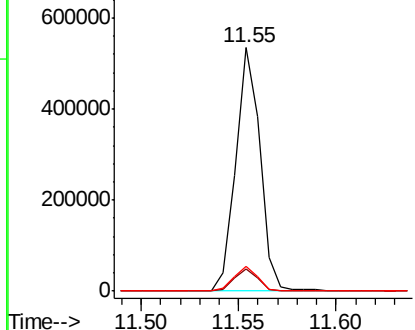


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108249.D
 Acq: 17 Aug 2018 17:59

Tgt Ion:188	Resp:	463113
Ion Ratio	Lower	Upper
188	100	
94	9.2	8.5 12.7
80	10.4	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

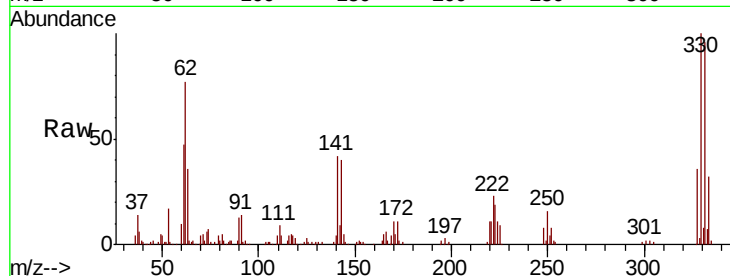




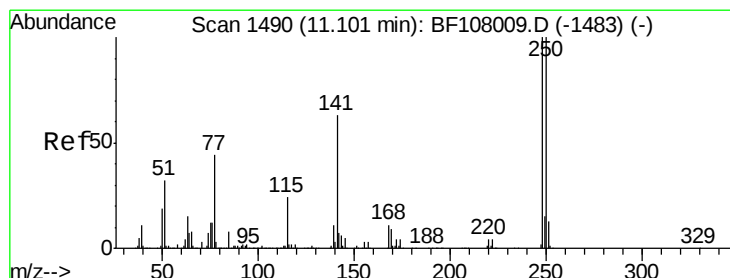
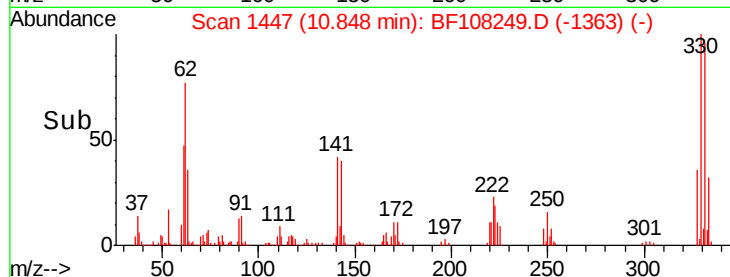
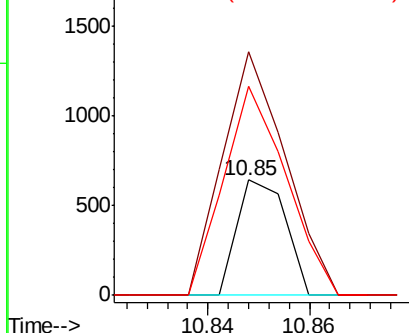
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.577 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108249.D
 Acq: 17 Aug 2018 17:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 427
 Ion Ratio Lower Upper
 198 100
 51 211.0 37.7 77.7#
 105 180.7 36.3 76.3#

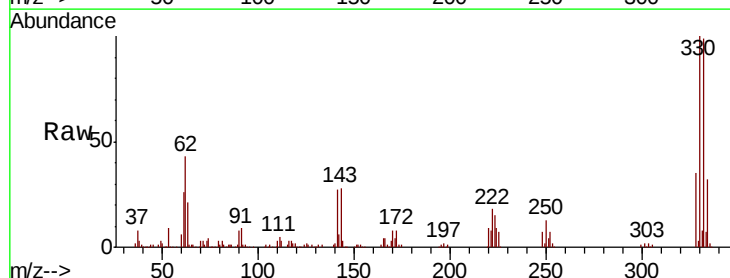


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

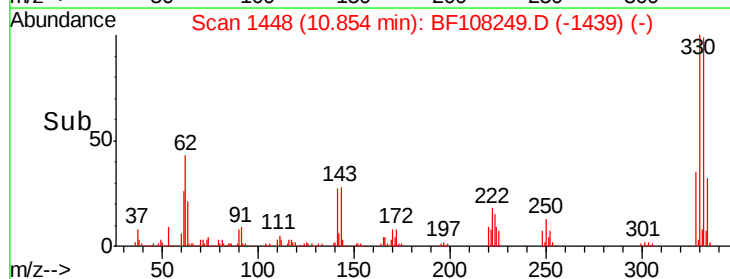
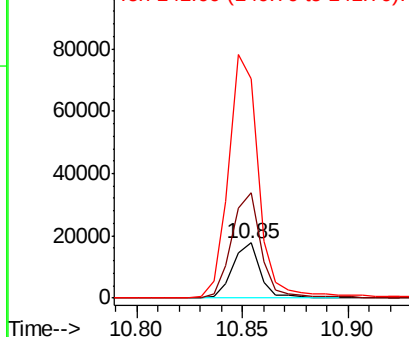


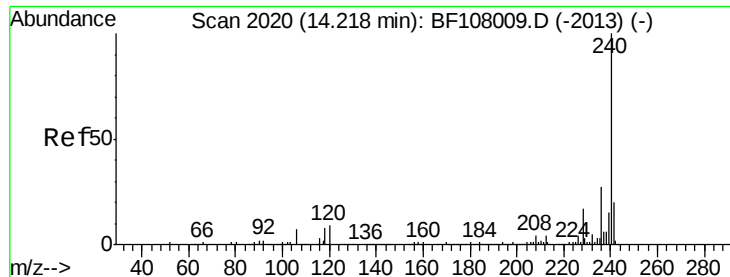
#66
 4-Bromophenyl-phenylether
 Concen: 3.160 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108249.D
 Acq: 17 Aug 2018 17:59

Tgt Ion:248 Resp: 15906
 Ion Ratio Lower Upper
 248 100
 250 191.5 76.9 115.3#
 141 399.5 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: 14.21 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

Instrument :

BNA_F

ClientSampleId :

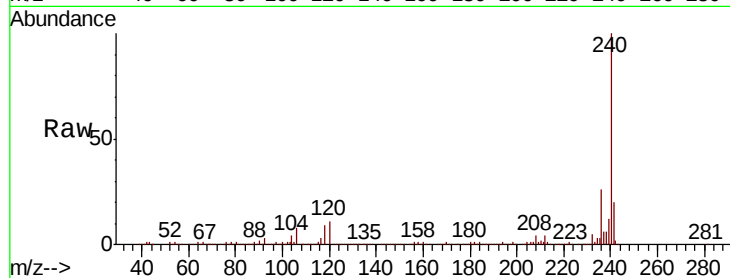
Tot Ion:240 Resp: 446128

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

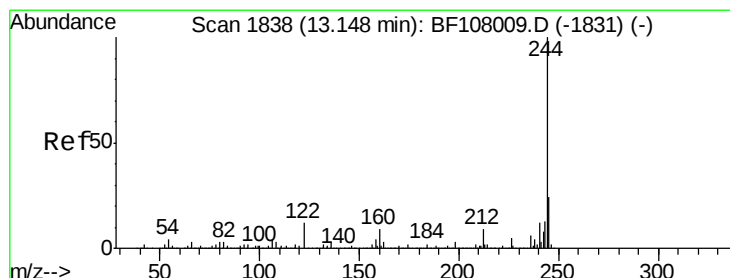
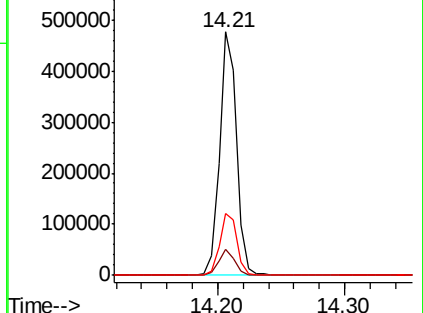
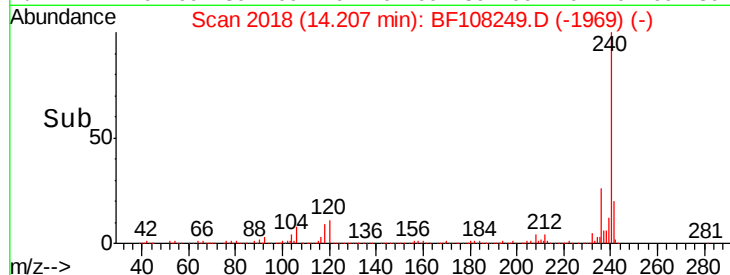
236 25.6 20.7 31.1



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: 74.557 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108249.D

Acq: 17 Aug 2018 17:59

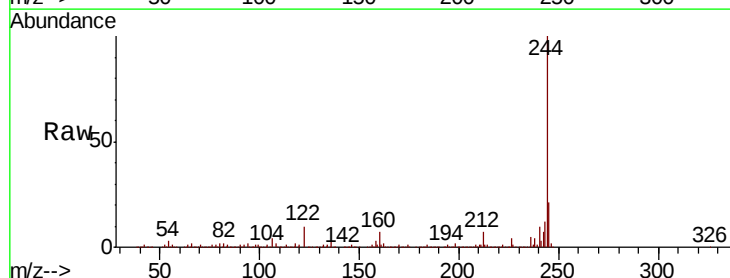
Tgt Ion:244 Resp: 1308196

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

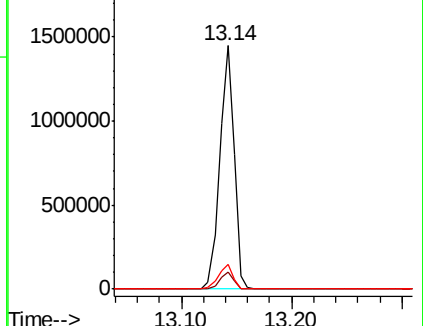
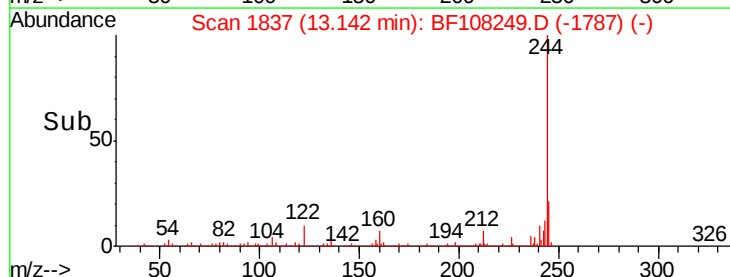
122 10.2 11.0 16.4#

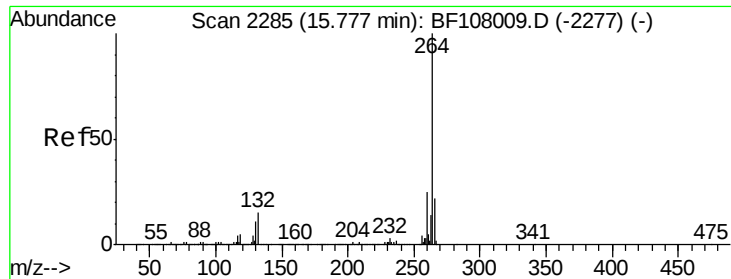


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

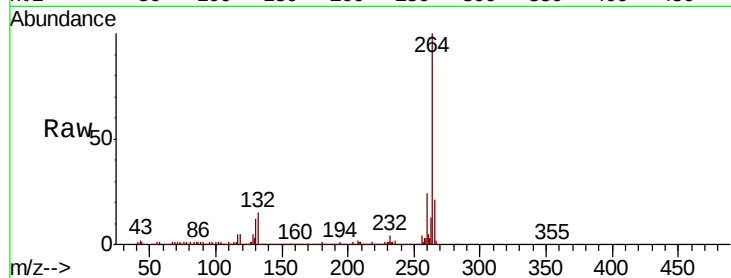




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108249.D
Acq: 17 Aug 2018 17:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	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

