

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108337.D
 Acq On : 21 Aug 2018 14:24
 Operator : JU/SJ
 Sample : J4521-21RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11967

Quant Time: Aug 21 15:11:39 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

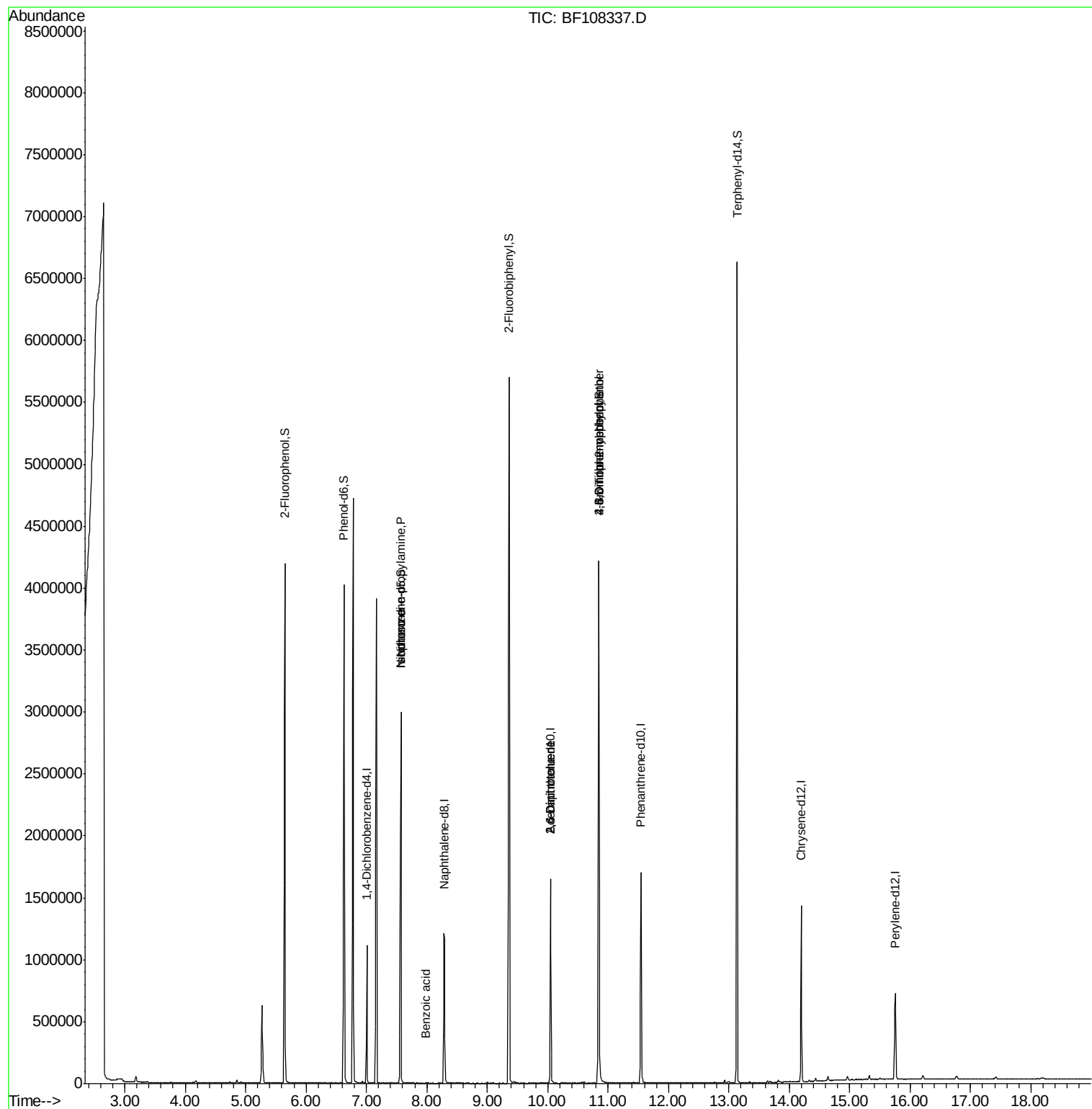
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	161003	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	609807	20.00	ng	-0.02
38) Acenaphthene-d10	10.05	164	319121	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	670960	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	527312	20.00	ng	-0.02
86) Perylene-d12	15.75	264	354554	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1192419	134.09	ng	0.02
7) Phenol-d6	6.63	99	1444193	122.21	ng	0.00
23) Nitrobenzene-d5	7.57	82	1181940	108.16	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	579919	182.18	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2096409	105.47	ng	-0.01
78) Terphenyl-d14	13.14	244	2623969	126.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	161909	20.260	ng	# 81
25) Isophorone	7.57	82	1181918	56.742	ng	# 64
32) Benzoic acid	7.98	122	118	5.994	ng	# 54
50) 2,6-Dinitrotoluene	10.05	165	40643	8.739	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	40643	6.789	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1229	5.792	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	37888	5.196	ng	# 1

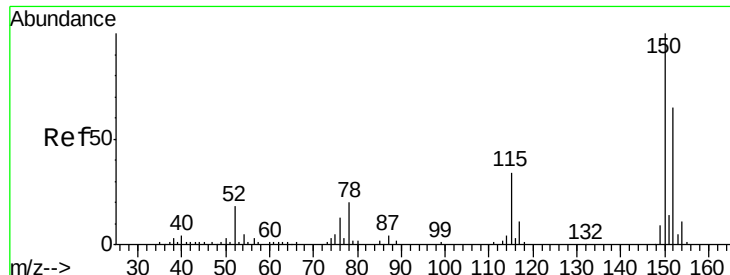
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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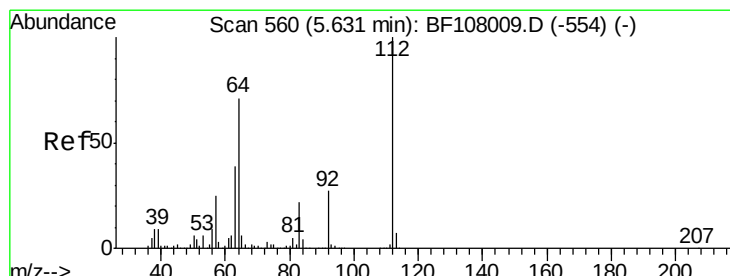
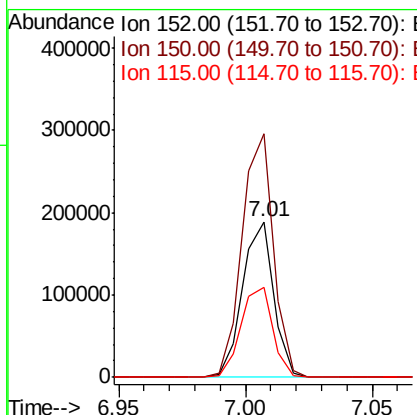
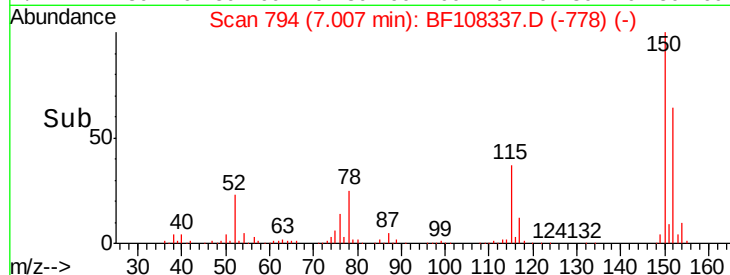
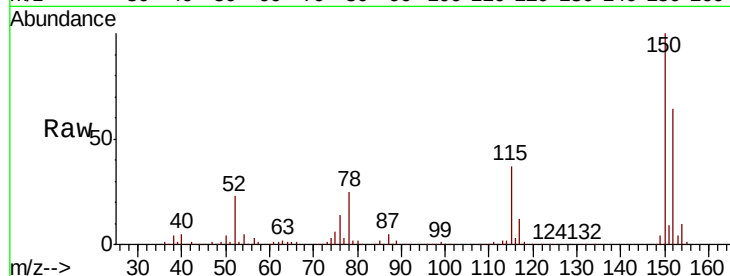




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.01 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

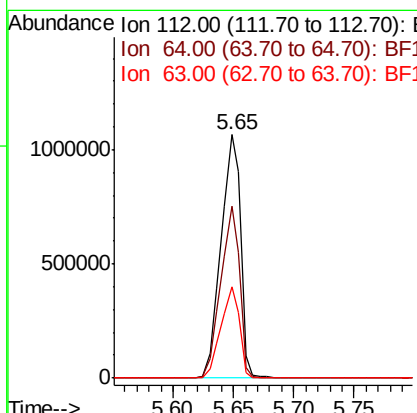
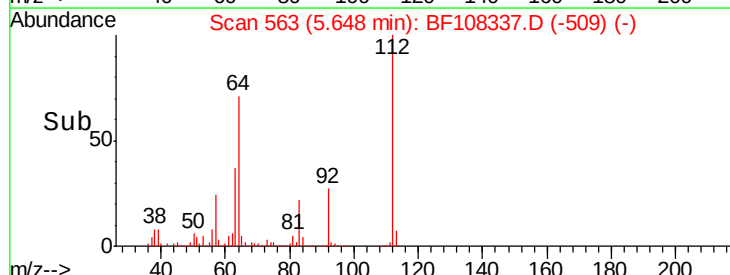
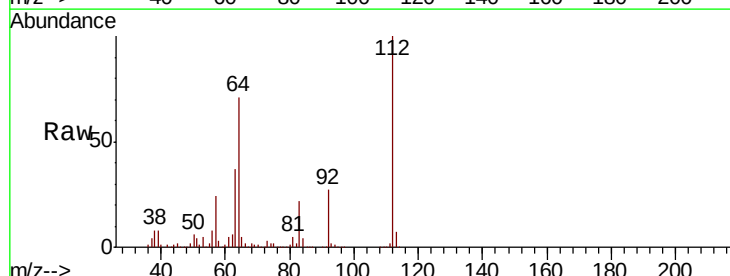
Instrument :
 BNA_F
 ClientSampleId :
 72-11967

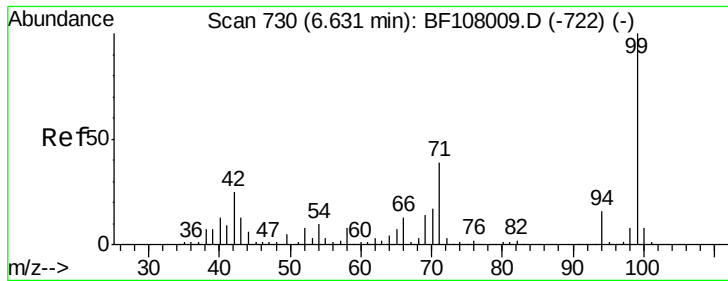
Tot Ion:	152	Resp:	161003
Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	57.9	50.1	75.1



#5
 2-Fluorophenol
 Concen: 134.086 ng
 RT: 5.65 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

Tgt Ion:	112	Resp:	1192419
Ion	Ratio	Lower	Upper
112	100		
64	70.7	47.9	71.9
63	37.3	23.7	35.5





#7

Phenol-d6

Concen: 122.208 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Instrument :

BNA_F

ClientSampleId :

72-11967

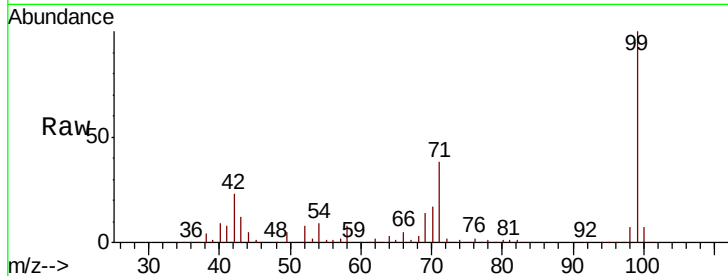
Tot Ion: 99 Resp: 1444193

Ion Ratio Lower Upper

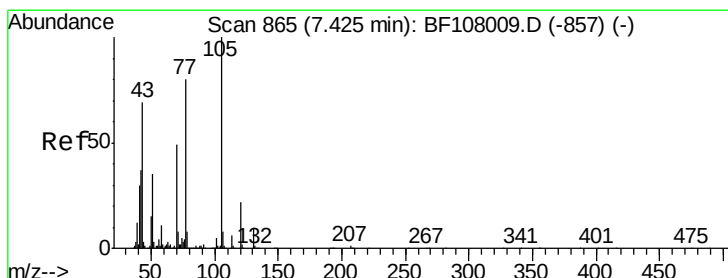
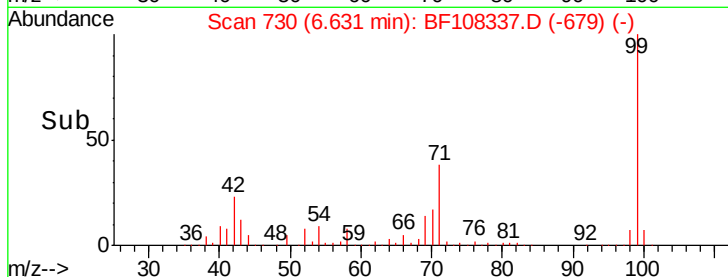
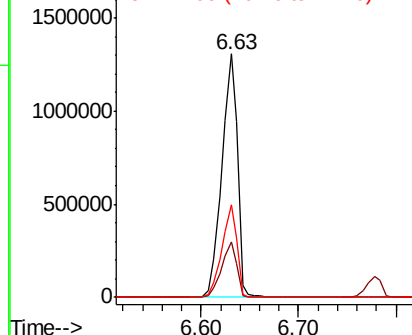
99 100

42 22.9 14.5 21.7#

71 37.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 20.260 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Tgt Ion: 70 Resp: 161909

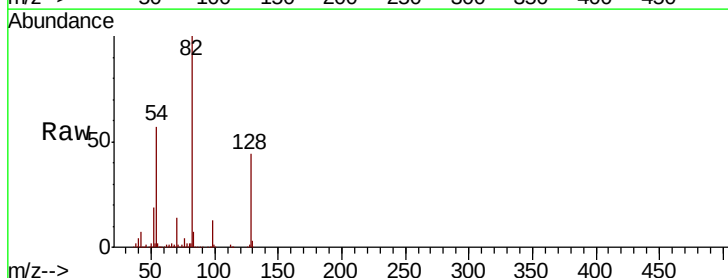
Ion Ratio Lower Upper

70 100

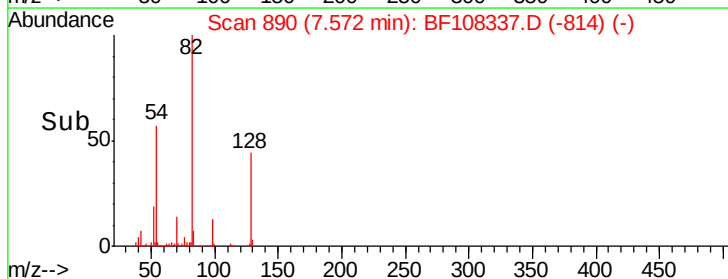
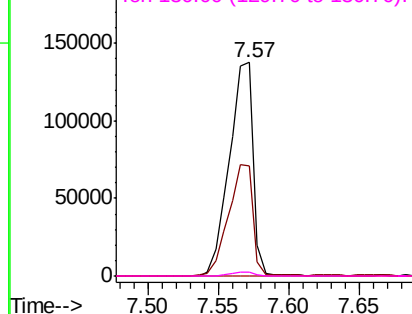
42 51.6 47.5 71.3

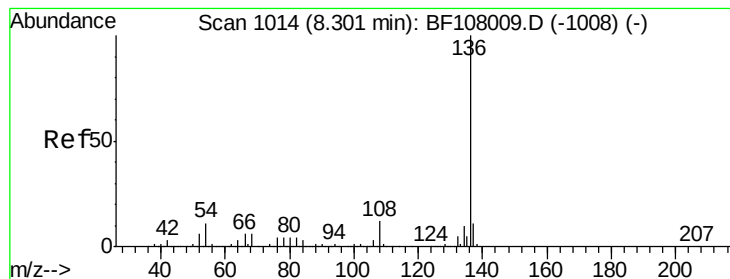
101 0.0 7.4 11.2#

130 1.8 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Instrument :

BNA_F

ClientSampleId :

72-11967

Tot Ion:136 Resp: 609807

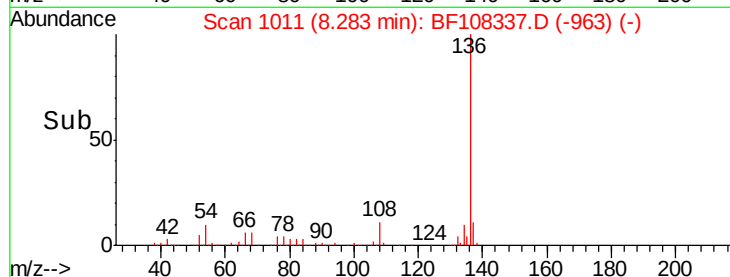
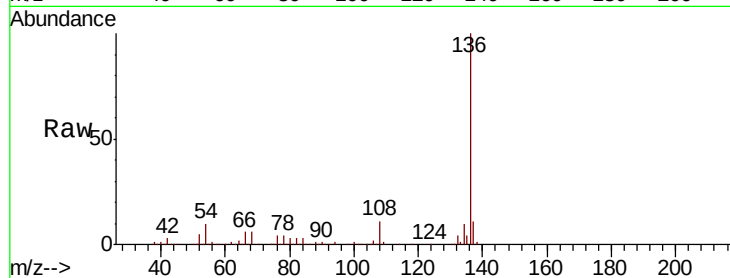
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.4 6.6 9.8#

68 6.3 5.0 7.4

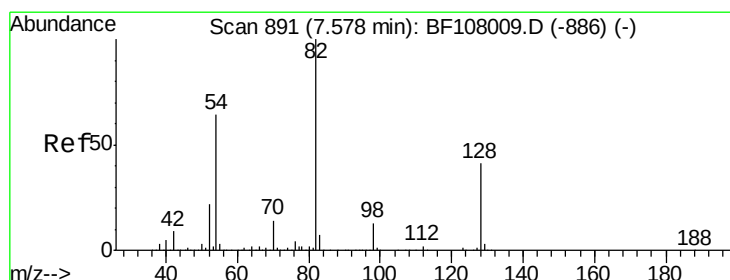
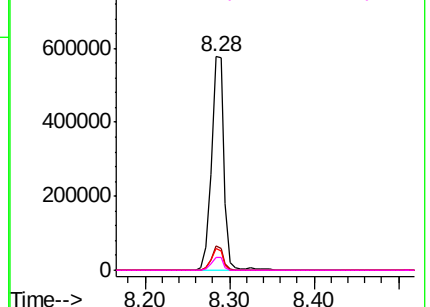


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.155 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

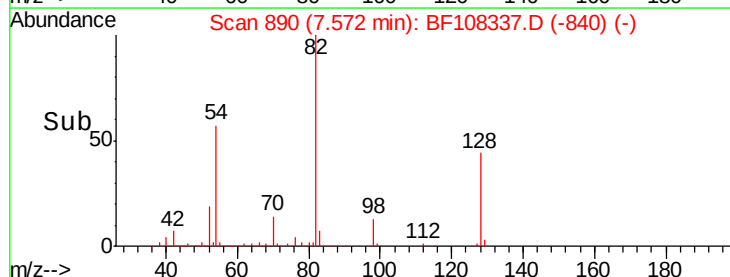
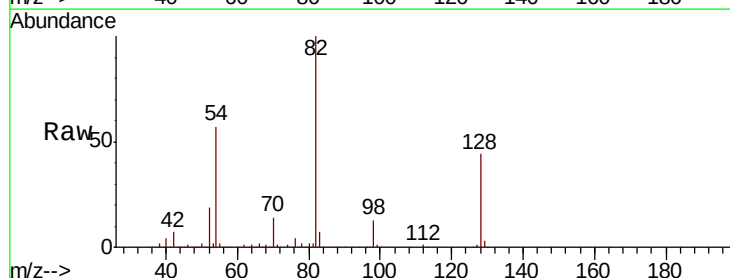
Tgt Ion: 82 Resp: 1181940

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

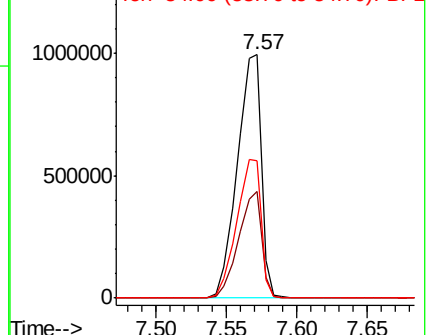
54 56.6 41.4 62.2

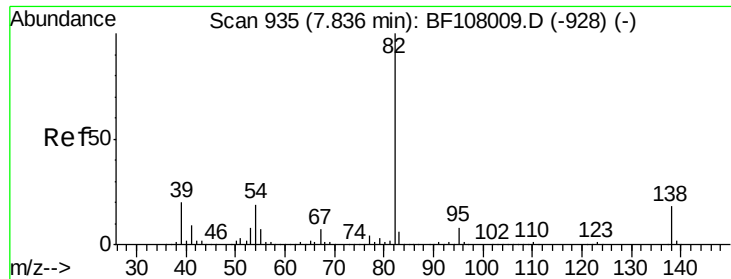


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.742 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Instrument :

BNA_F

ClientSampleId :

72-11967

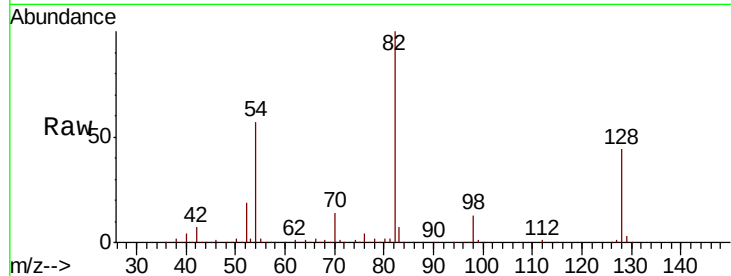
Tot Ion: 82 Resp: 1181918

Ion Ratio Lower Upper

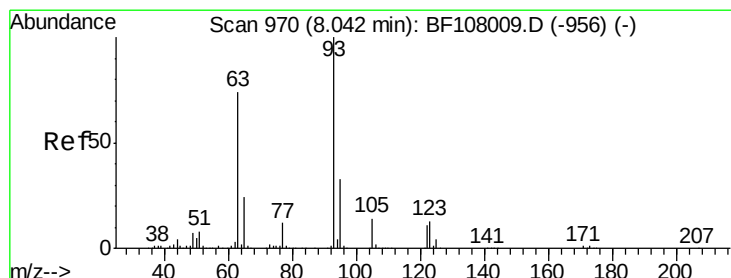
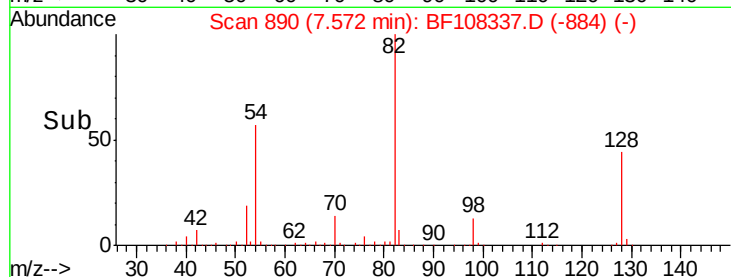
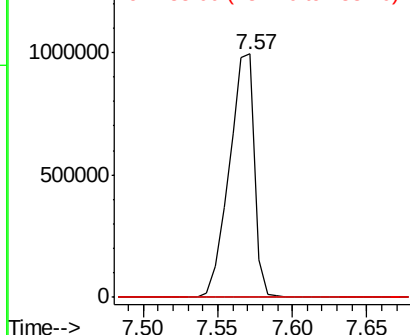
82 100

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



#32

Benzoic acid

Concen: 5.994 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.06 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

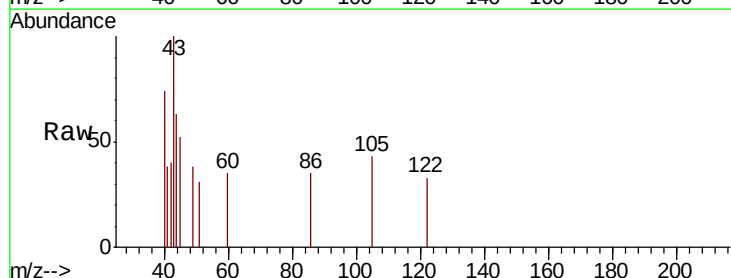
Tgt Ion: 122 Resp: 118

Ion Ratio Lower Upper

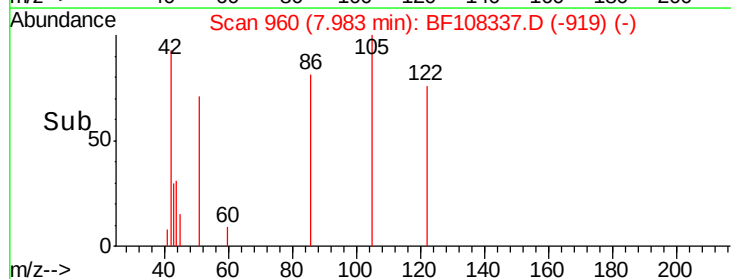
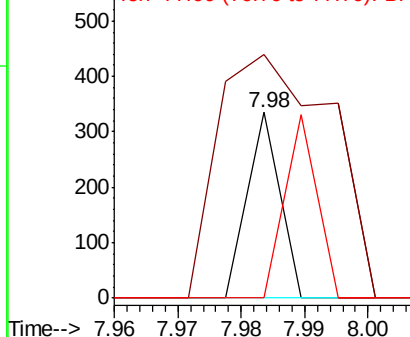
122 100

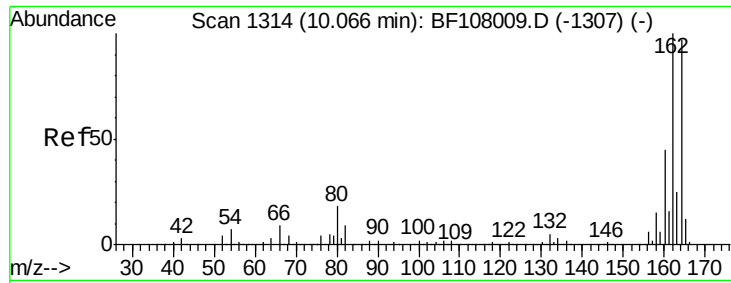
105 131.0 101.1 141.1

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Instrument :

BNA_F

ClientSampleId :

72-11967

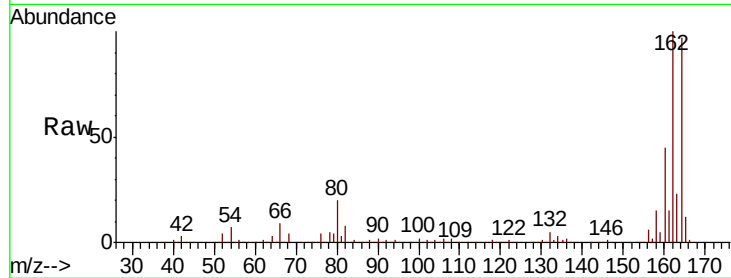
Tot Ion:164 Resp: 319121

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

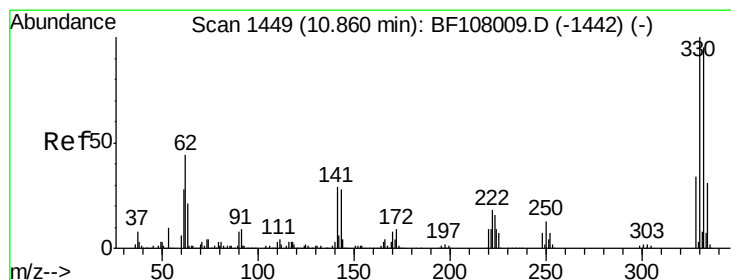
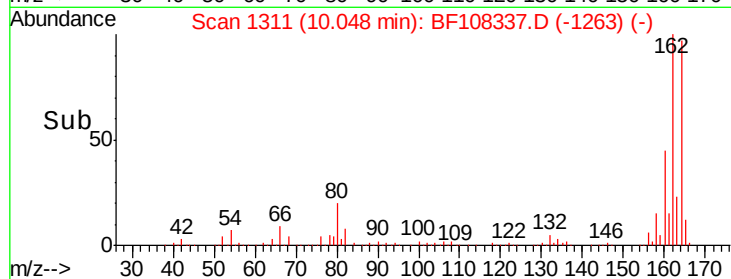
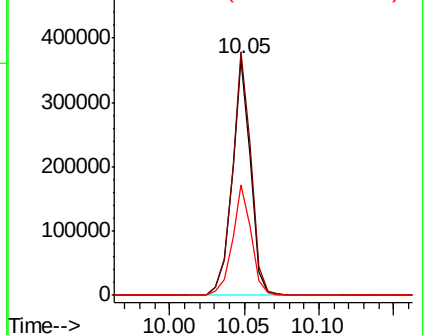
160 46.5 38.3 57.5



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: 182.184 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

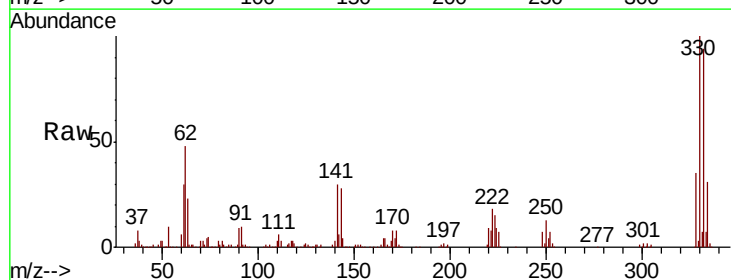
Tgt Ion:330 Resp: 579919

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

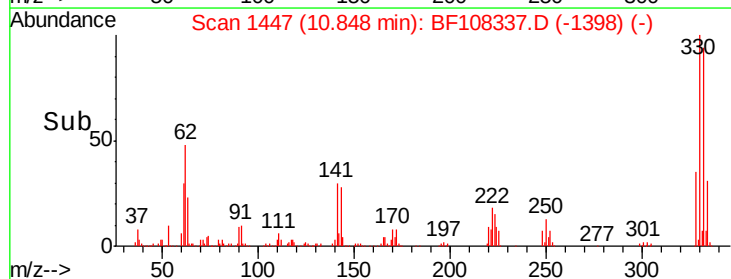
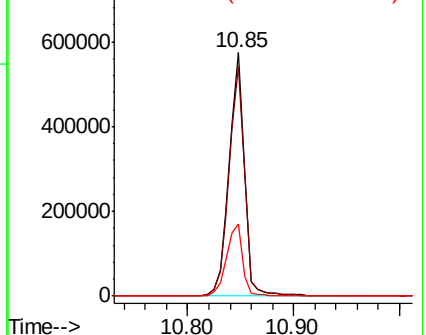
141 31.7 29.9 44.9

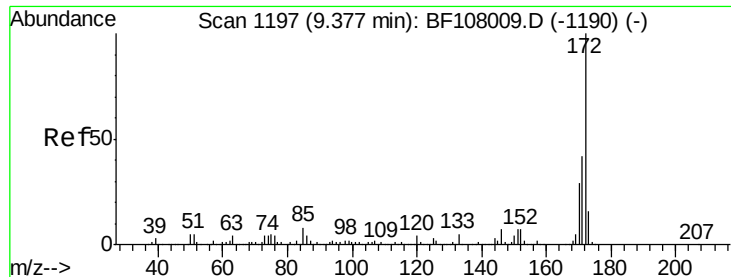


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

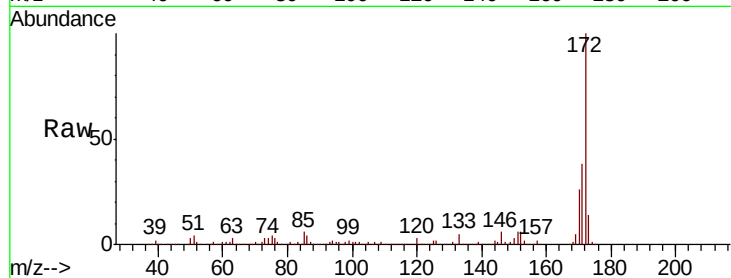




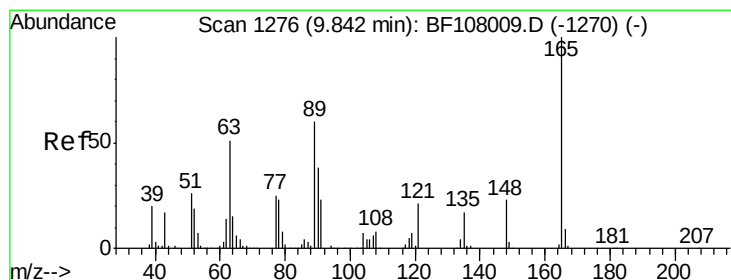
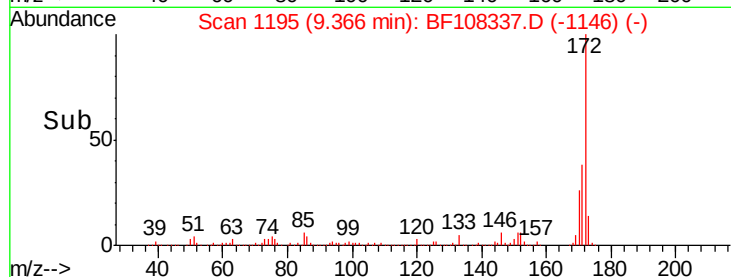
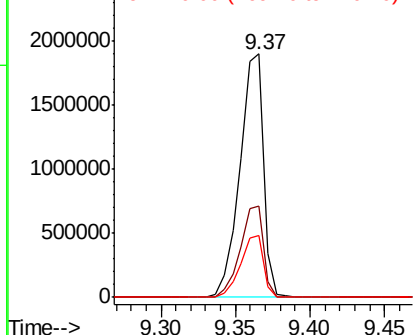
#44
 2-Fluorobiphenyl
 Concen: 105.468 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

Instrument :
 BNA_F
 ClientSampleId :
 72-11967

Tot Ion:172 Resp: 2096409
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.7 44.5
 170 25.6 19.6 29.4

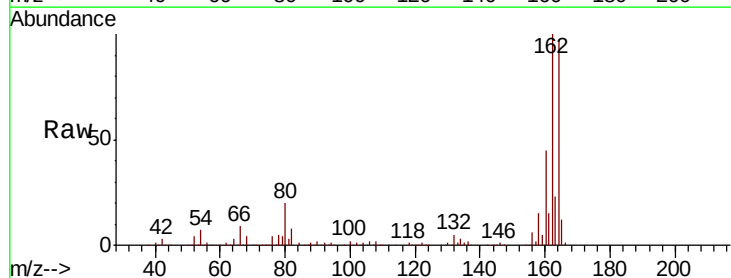


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

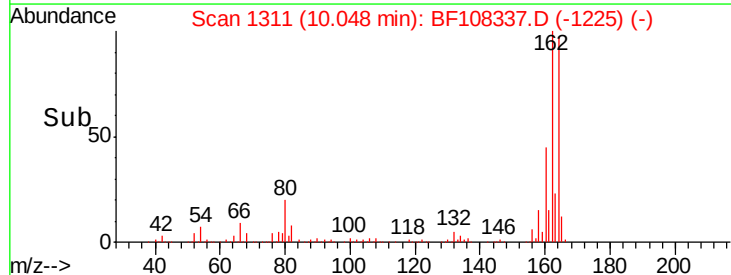
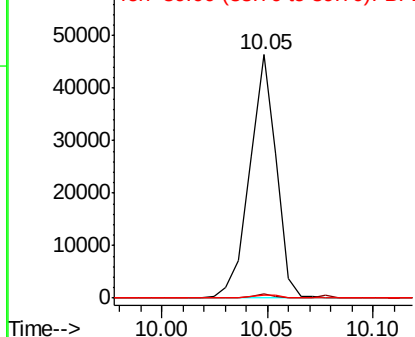


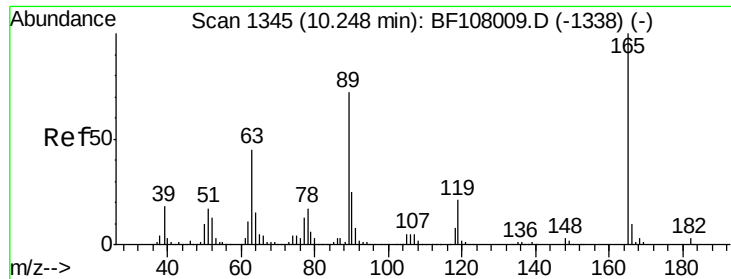
#50
 2,6-Dinitrotoluene
 Concen: 8.739 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

Tgt Ion:165 Resp: 40643
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.2 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

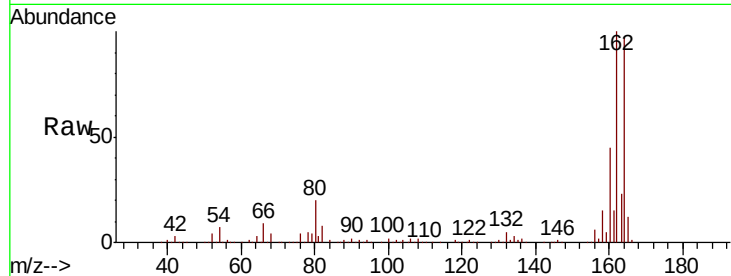




#56
 2,4-Dinitrotoluene
 Concen: 6.789 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

Instrument :
 BNA_F
 ClientSampleId :
 72-11967

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

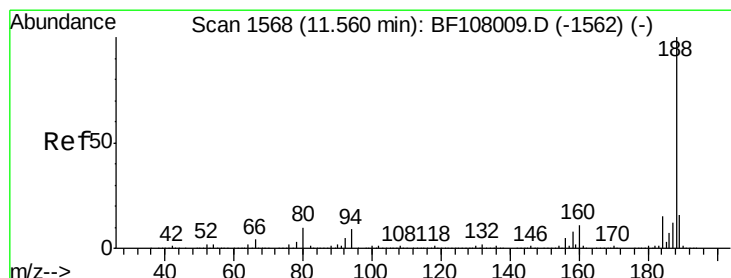
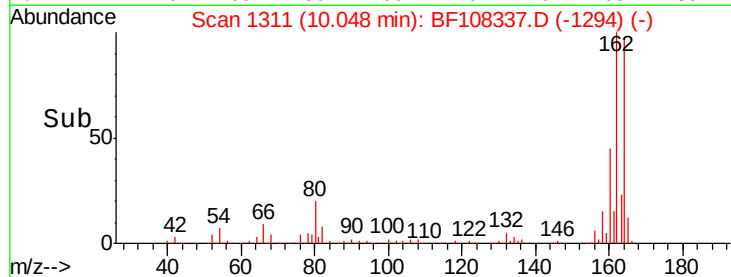
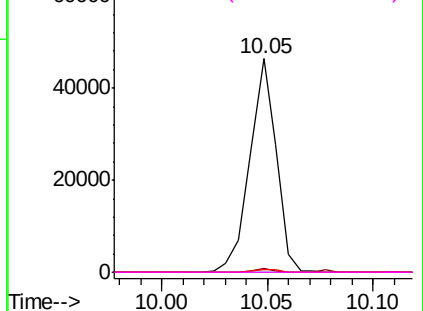


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

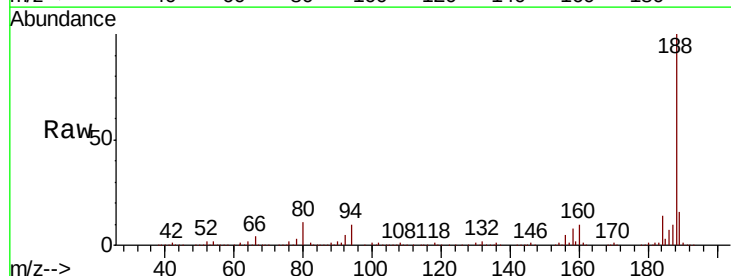
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

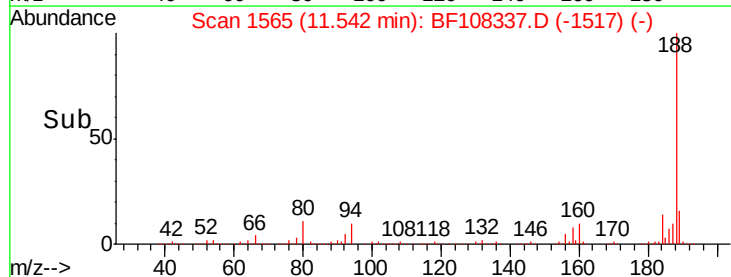
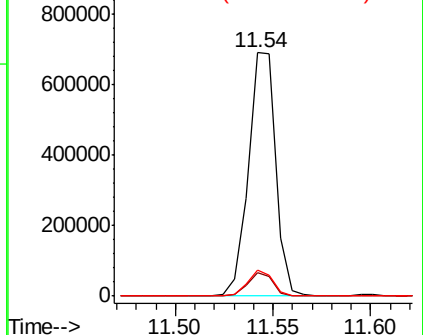
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.7	9.2	13.8

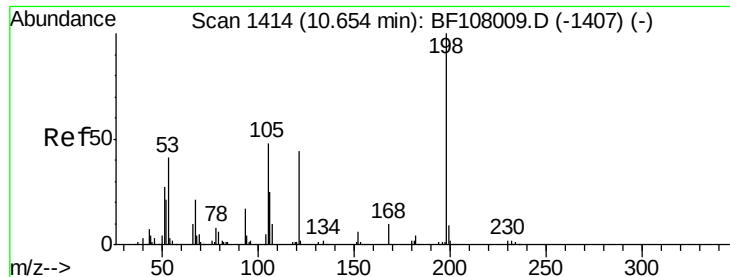


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.792 ng

RT: 10.85 min Scan# 1447

Delta R.T. 0.20 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Instrument :

BNA_F

ClientSampled :

72-11967

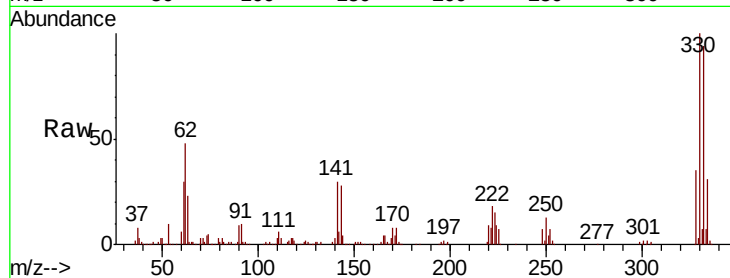
Tot Ion:198 Resp: 1229

Ion Ratio Lower Upper

198 100

51 167.4 37.7 77.7#

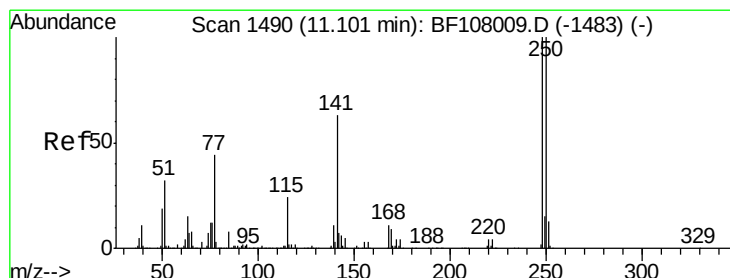
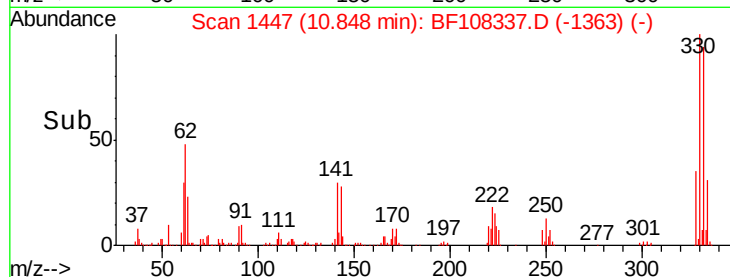
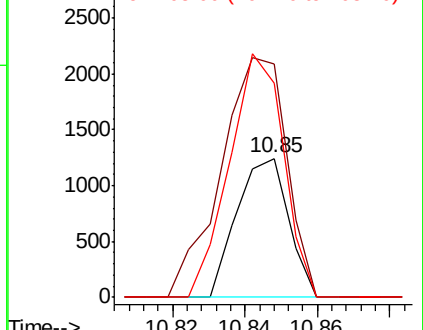
105 153.6 36.3 76.3#



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: 5.196 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.25 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

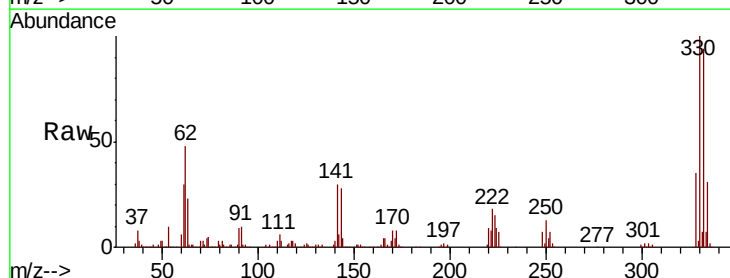
Tgt Ion:248 Resp: 37888

Ion Ratio Lower Upper

248 100

250 203.0 76.9 115.3#

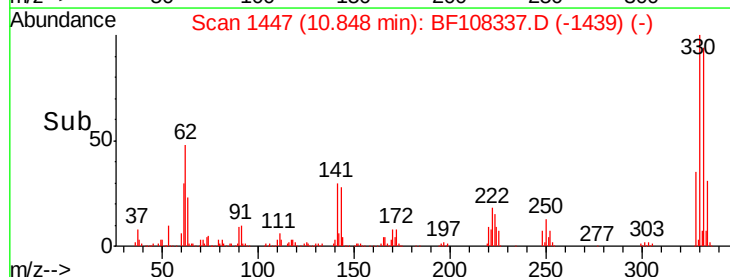
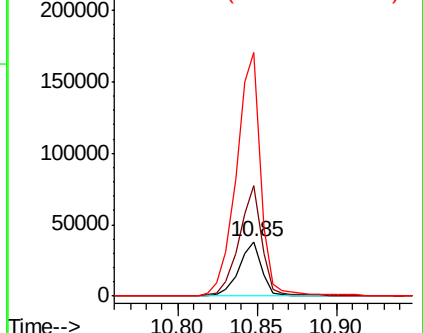
141 448.5 74.4 111.6#

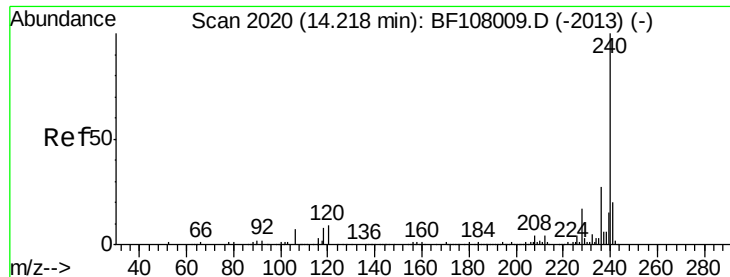


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.20 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

Instrument :

BNA_F

ClientSampleId :

72-11967

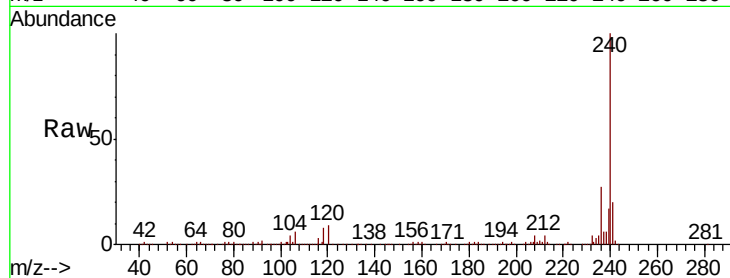
Tot Ion:240 Resp: 527312

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

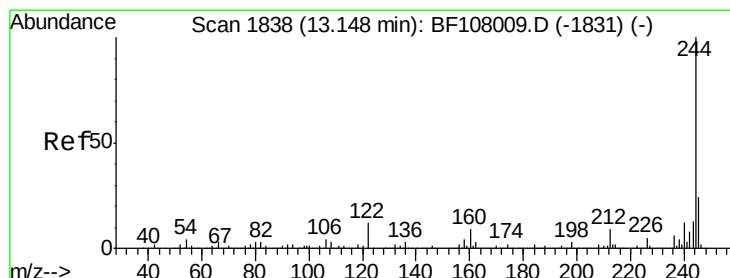
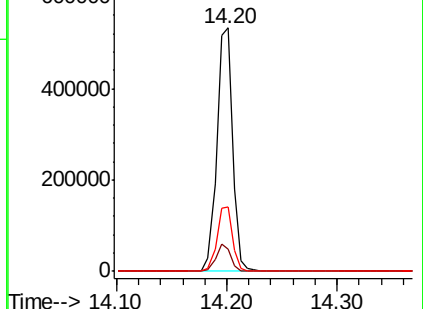
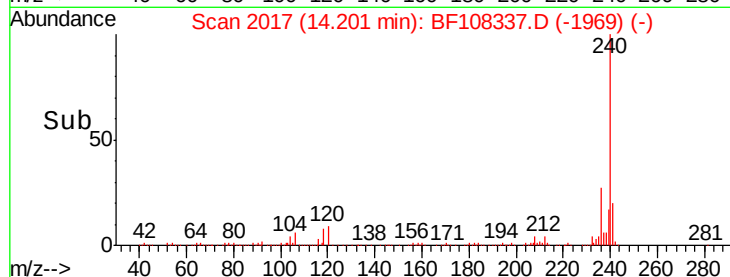
236 26.5 20.7 31.1



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: 126.521 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108337.D

Acq: 21 Aug 2018 14:24

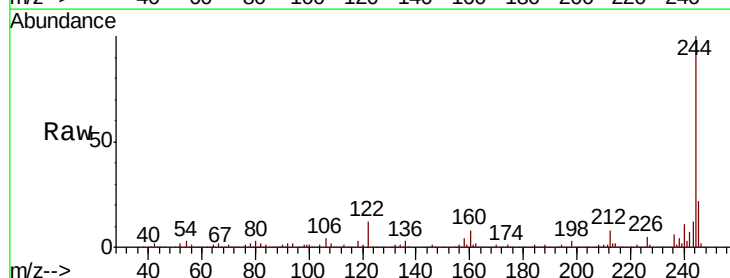
Tgt Ion:244 Resp: 2623969

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

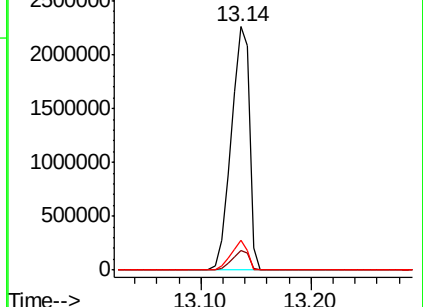
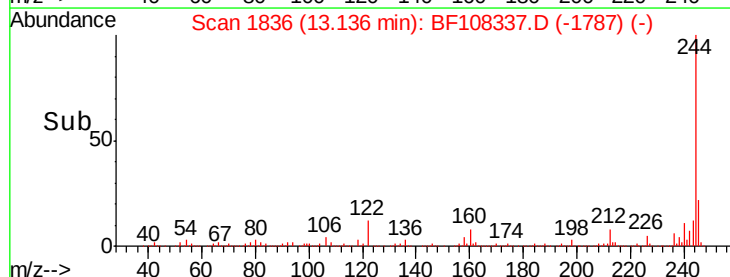
122 12.2 11.0 16.4

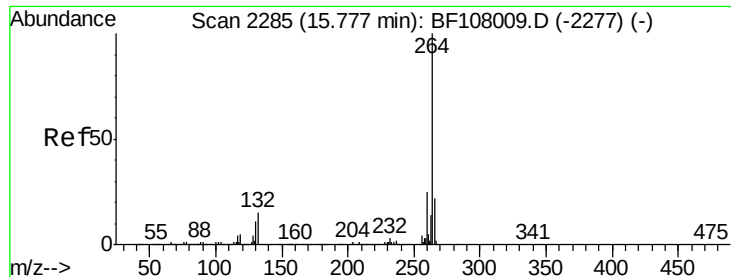


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.75 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF108337.D
 Acq: 21 Aug 2018 14:24

Instrument :
 BNA_F
 ClientSampleId :
 72-11967

Tot Ion:	264	Resp:	354554
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3

