

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108318.D
 Acq On : 21 Aug 2018 4:59
 Operator : JU/SJ
 Sample : J4500-12RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Aug 21 06:48:46 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

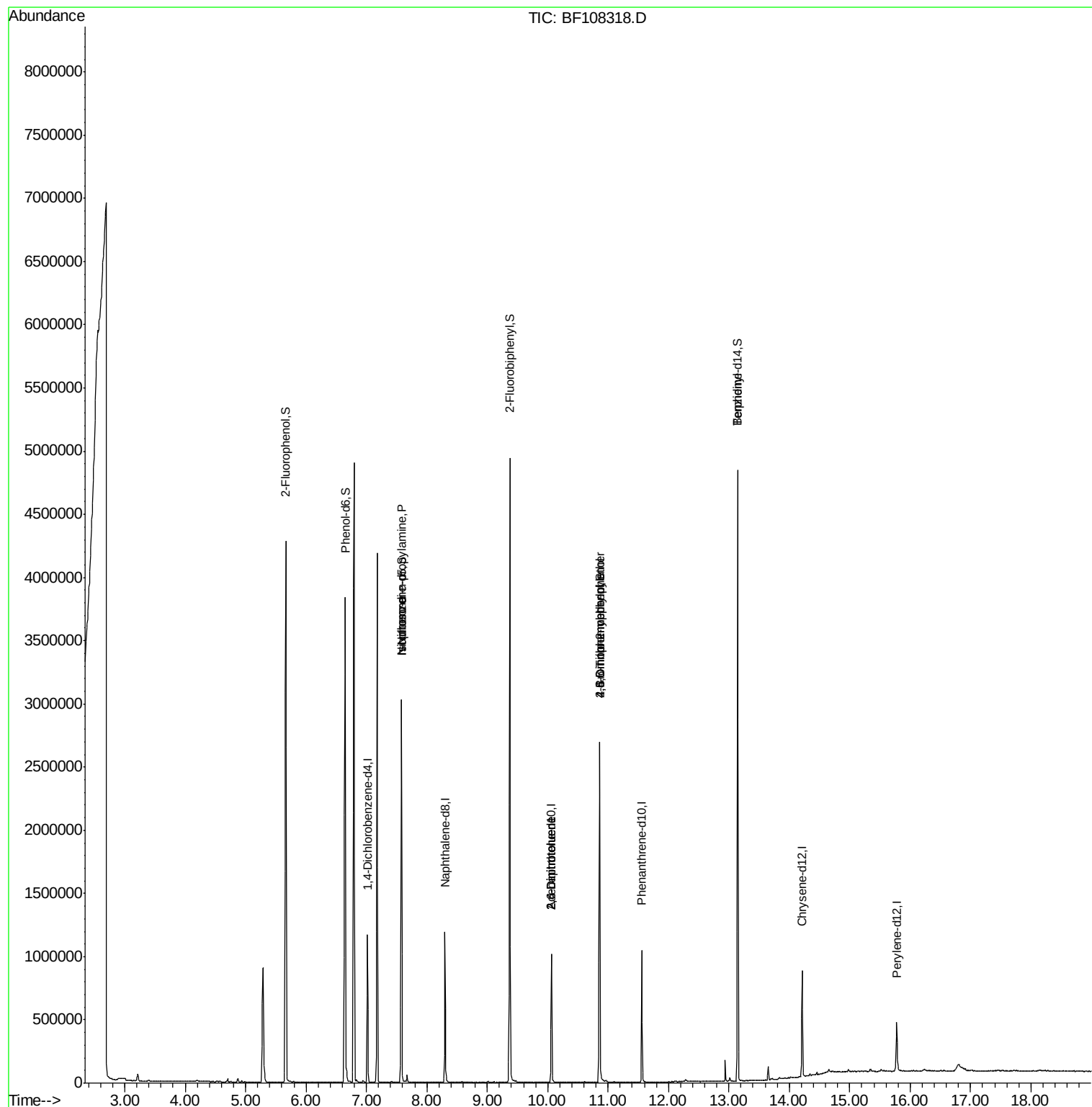
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	152712	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	509223	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	212633	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	378745	20.00	ng	0.00
75) Chrysene-d12	14.21	240	276013	20.00	ng	0.00
86) Perylene-d12	15.78	264	211024	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1164645	138.07	ng	0.04
7) Phenol-d6	6.65	99	1329784	118.64	ng	0.02
23) Nitrobenzene-d5	7.58	82	1017304	111.48	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	345920	163.10	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1662360	125.52	ng	0.00
78) Terphenyl-d14	13.15	244	1642029	151.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	138297	18.245	ng	# 81
25) Isophorone	7.58	82	1017285	58.485	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	26847	8.663	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	26847	6.730	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	544	5.698	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	22816	5.543	ng	# 1
76) Benzydine	13.15	184	21931	2.127	ng	98

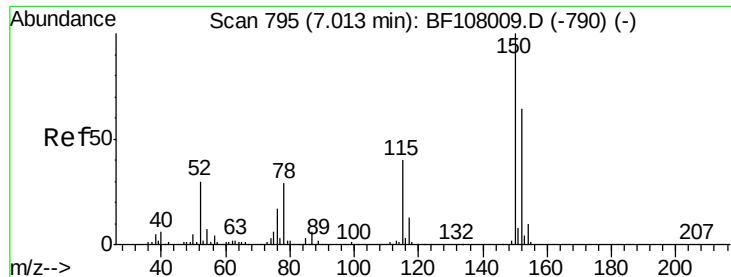
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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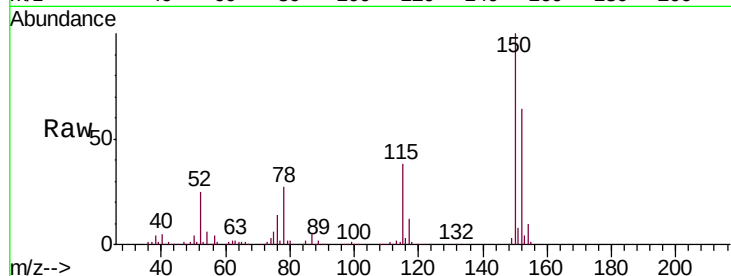


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108318.D
Acq: 21 Aug 2018 4:59

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	58.9	50.1	75.1

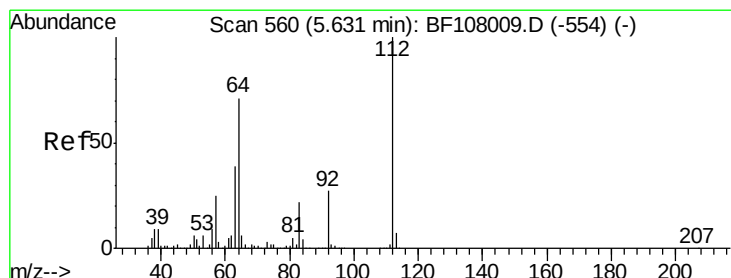
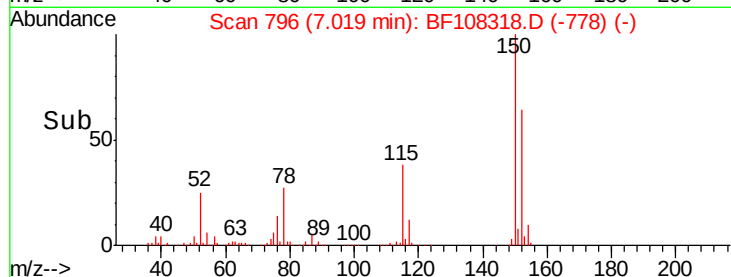
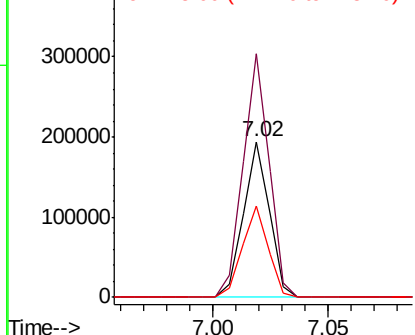


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

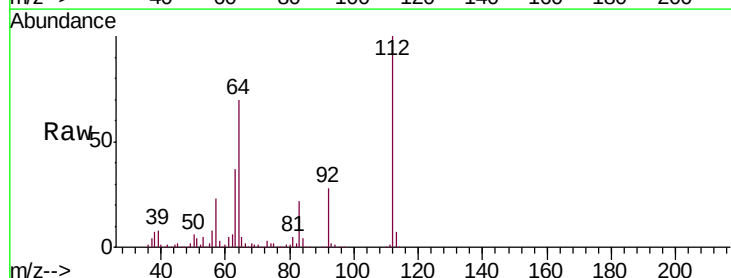
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 138.073 ng
RT: 5.67 min Scan# 566
Delta R.T. 0.04 min
Lab File: BF108318.D
Acq: 21 Aug 2018 4:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	47.9	71.9
63	37.2	23.7	35.5

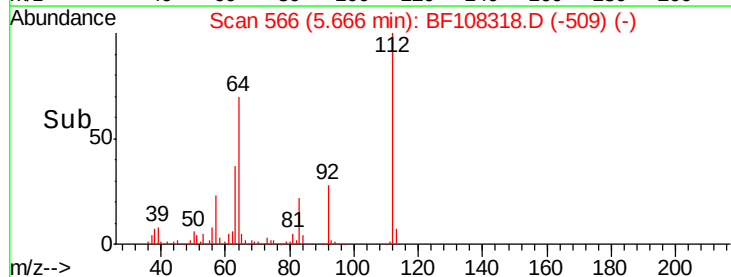
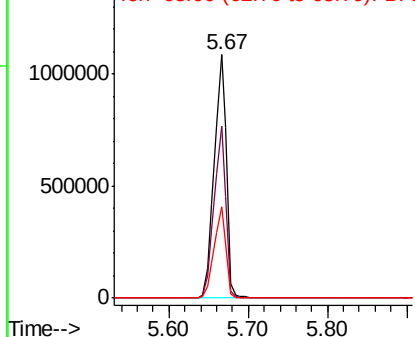


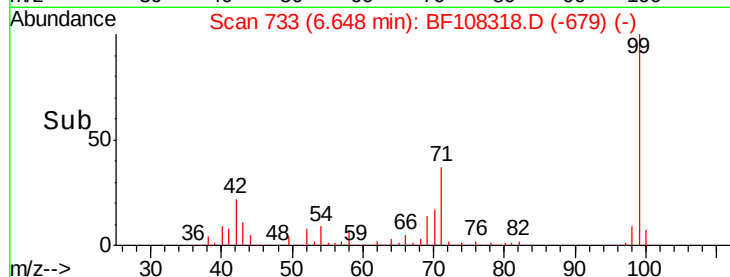
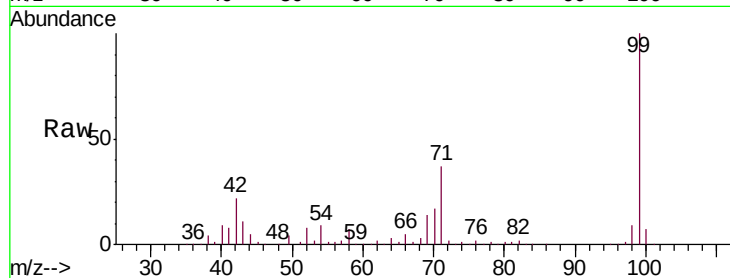
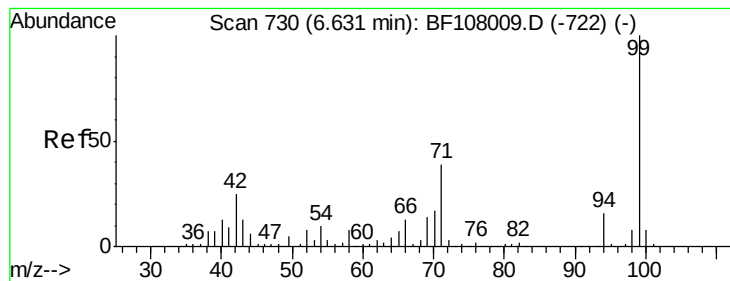
Abundance

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: 118.635 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

Instrument :

BNA_F

ClientSampleId :

TP-6

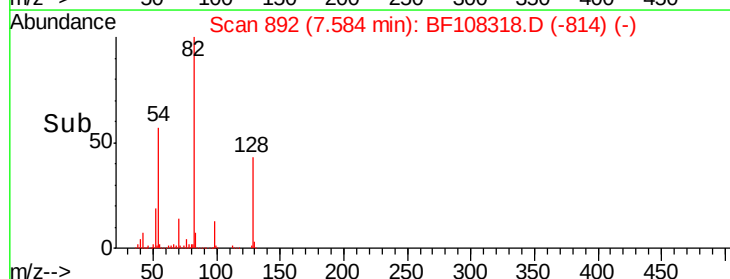
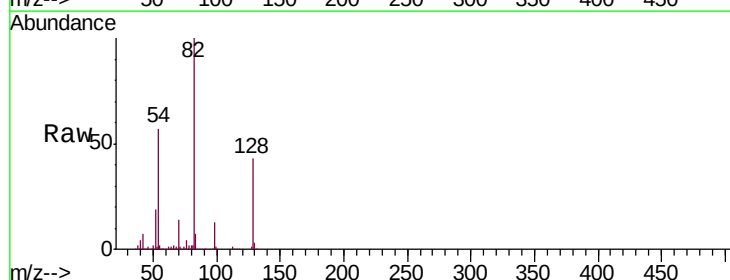
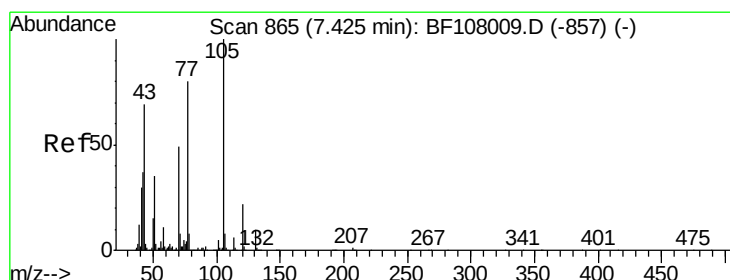
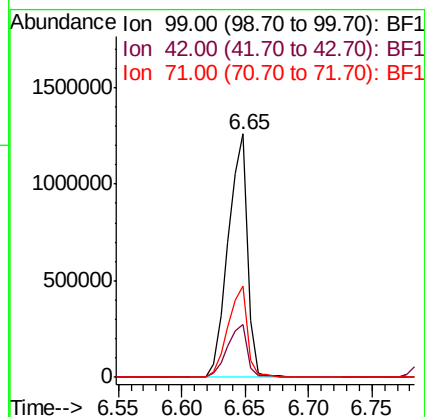
Tgt Ion: 99 Resp: 1329784

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

71 37.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.245 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

Tgt Ion: 70 Resp: 138297

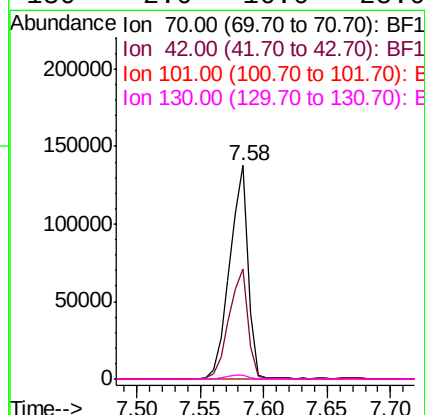
Ion Ratio Lower Upper

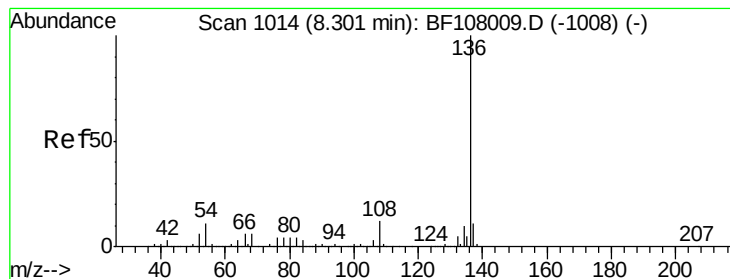
70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

Instrument :

BNA_F

ClientSampled :

TP-6

Tgt Ion: 136 Resp: 509223

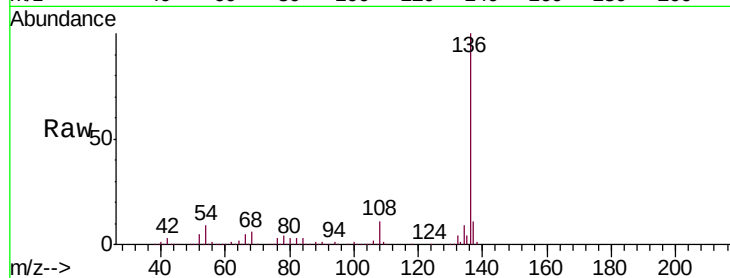
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 5.8 5.0 7.4

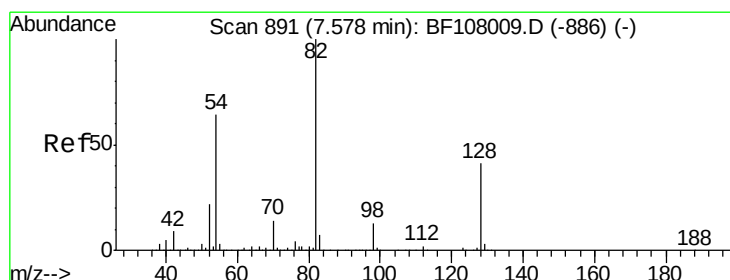
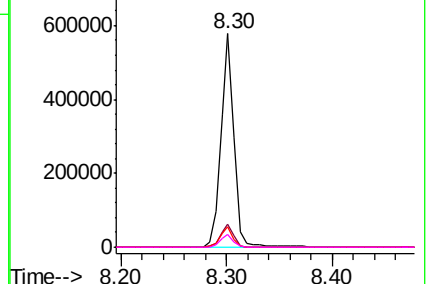
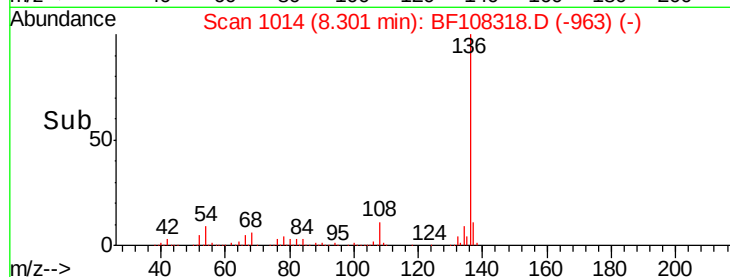


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.478 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

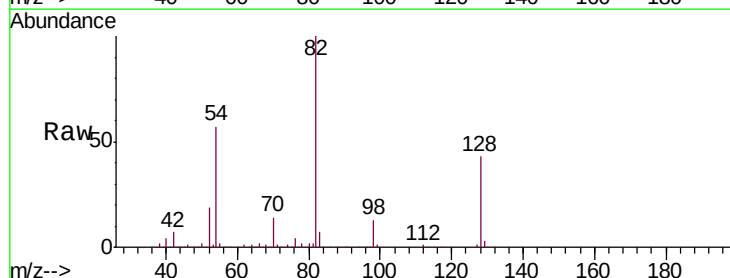
Tgt Ion: 82 Resp: 1017304

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

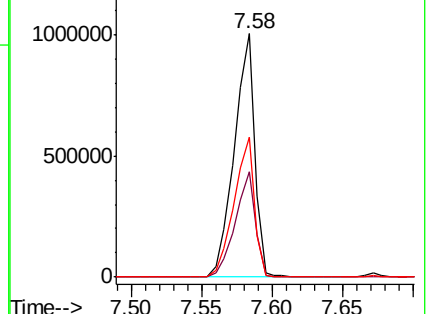
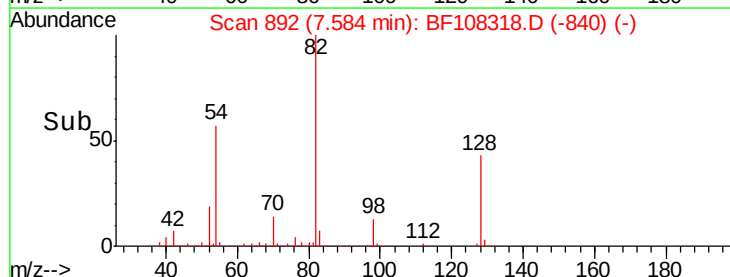
54 57.5 41.4 62.2

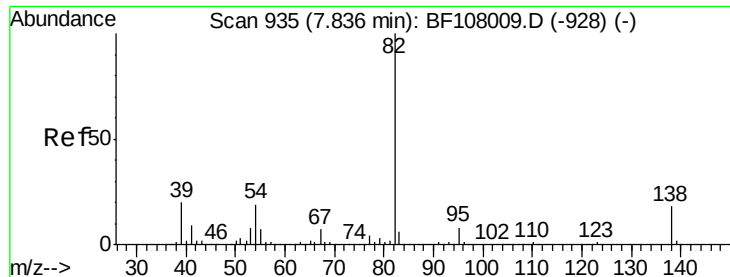


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 58.485 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108318.D

Acq: 21 Aug 2018 4:59

Instrument :

BNA_F

ClientSampleId :

TP-6

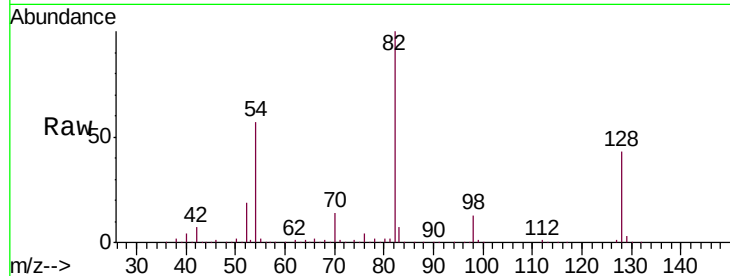
Tgt Ion: 82 Resp: 1017285

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

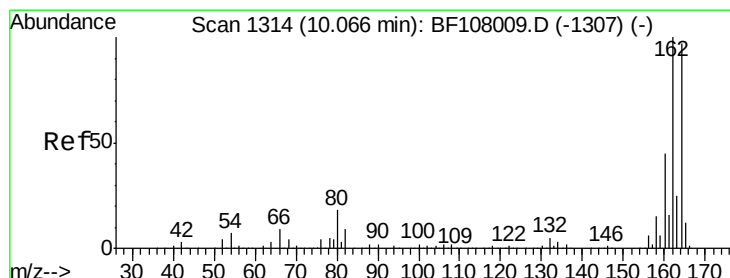
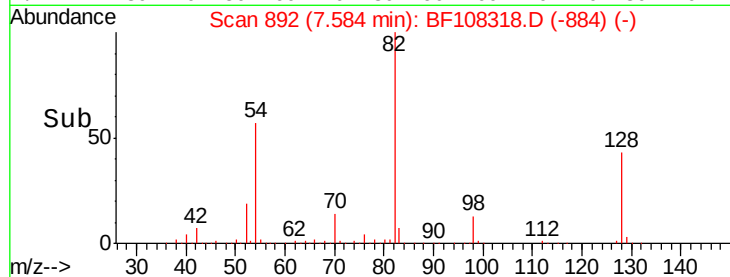
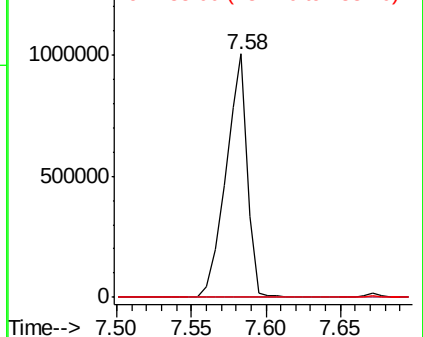
138 0.0 14.9 22.3#



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: BF108318.D

Acq: 21 Aug 2018 4:59

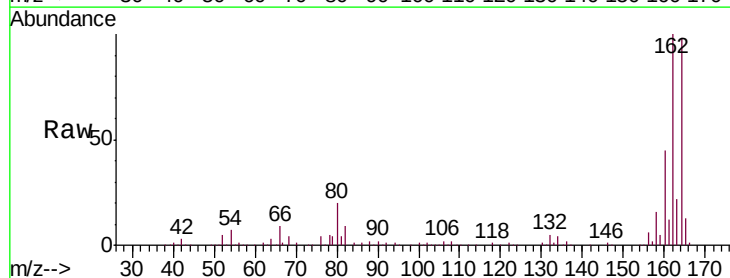
Tgt Ion: 164 Resp: 212633

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

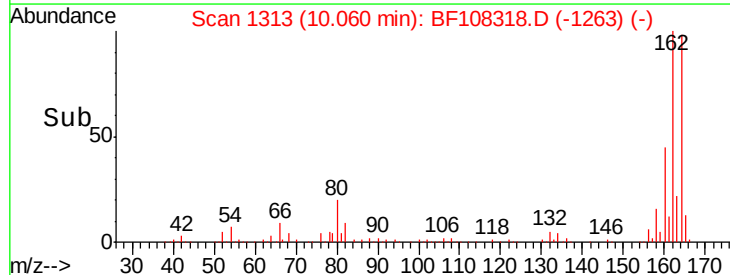
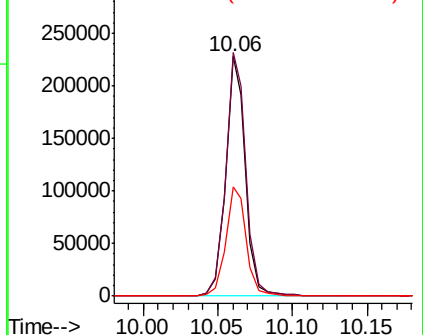
160 45.5 38.3 57.5

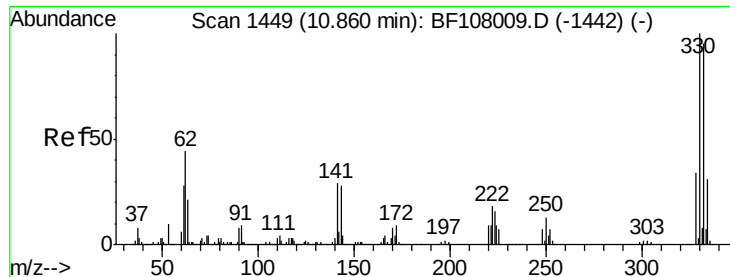


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

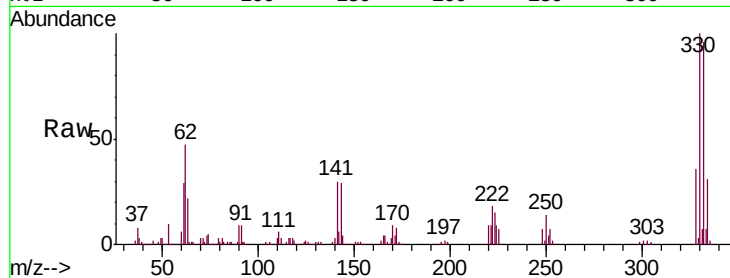




#41
 2,4,6-Tribromophenol
 Concen: 163.096 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Instrument :
 BNA_F
 ClientSampled :
 TP-6

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	31.9	29.9	44.9

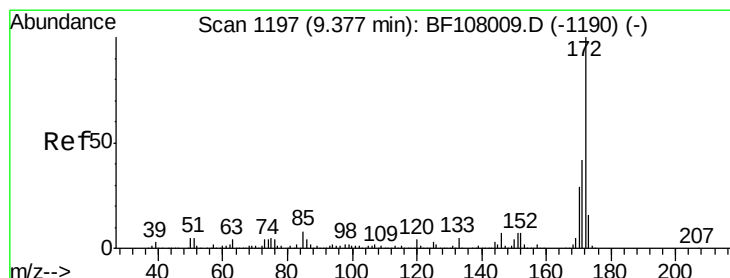
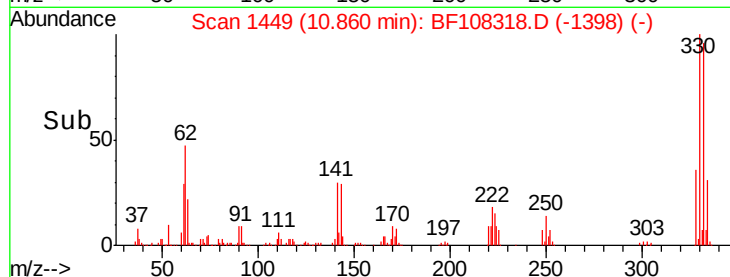
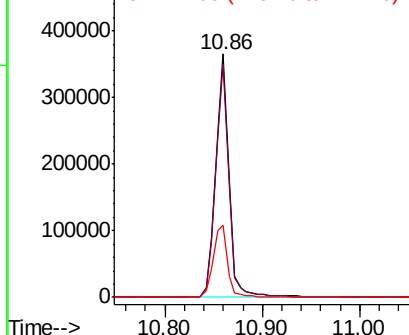


Abundance

Ion 329.80 (329.50 to 330.50): E

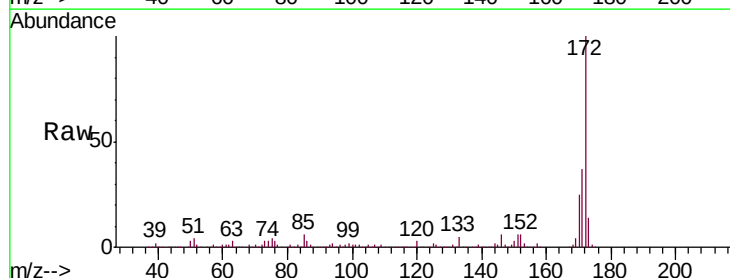
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 125.515 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.2	19.6	29.4

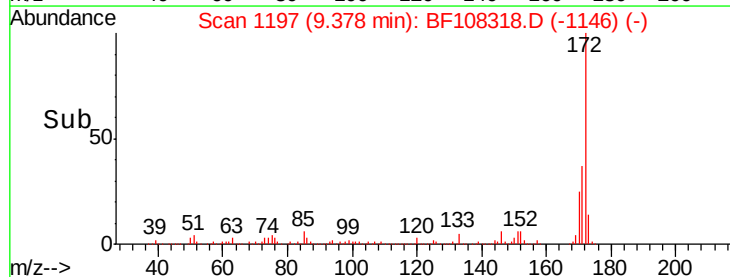
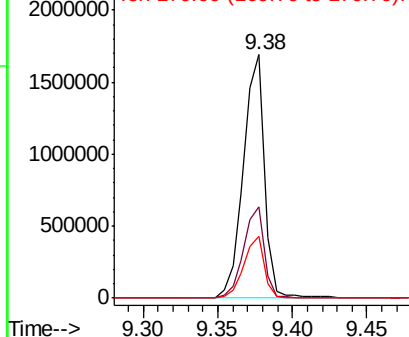


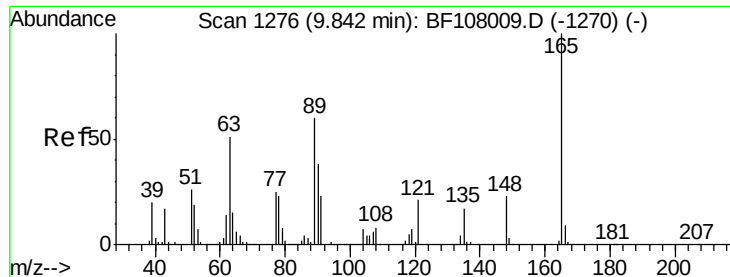
Abundance

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

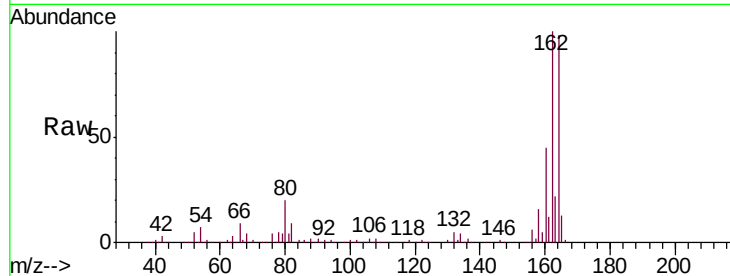




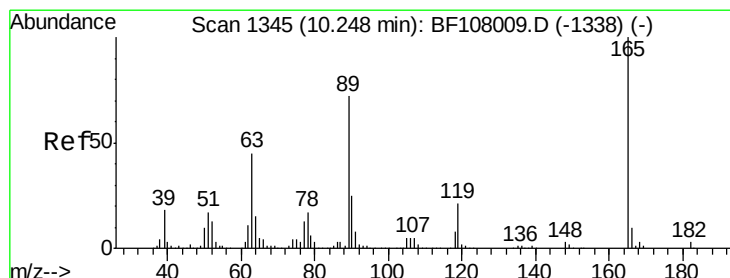
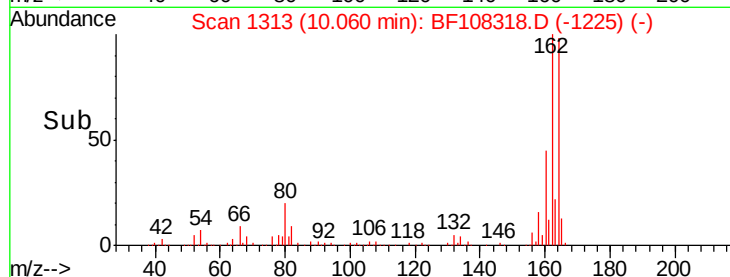
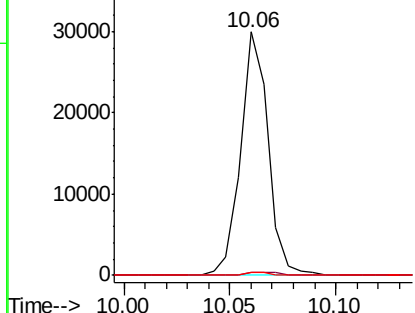
#50
 2,6-Dinitrotoluene
 Concen: 8.663 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.1	44.0	66.0#

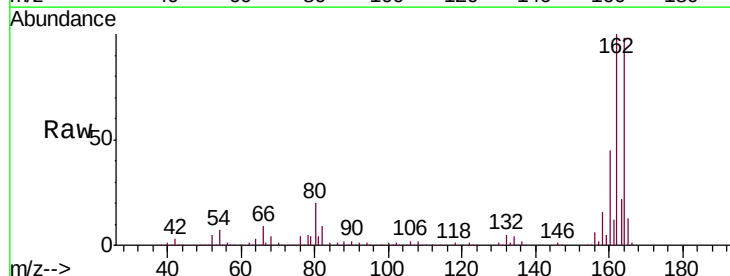


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

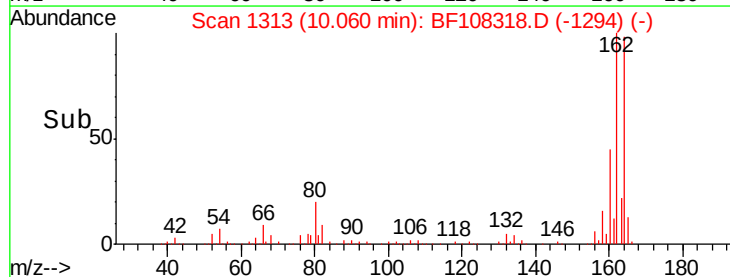
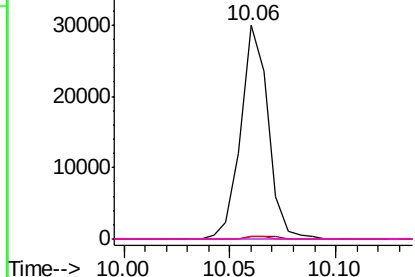


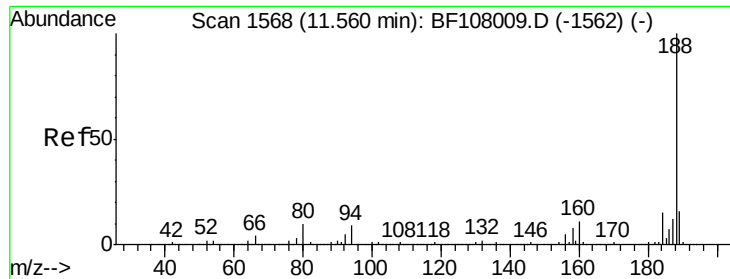
#56
 2,4-Dinitrotoluene
 Concen: 6.730 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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

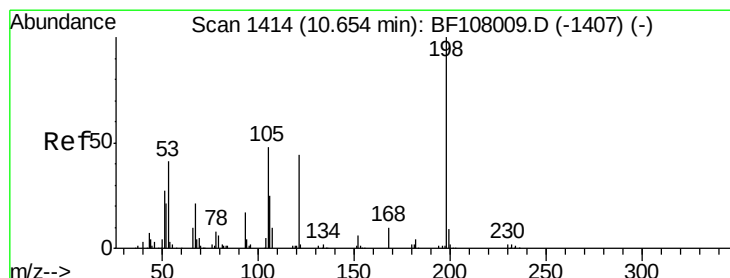
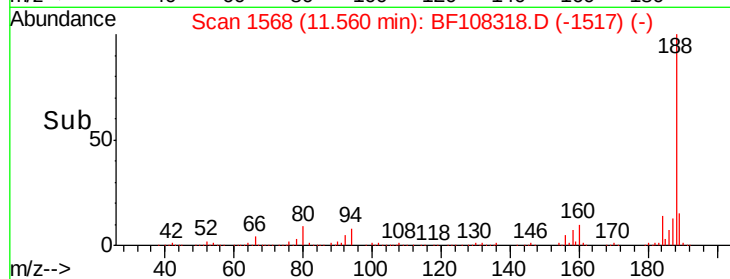
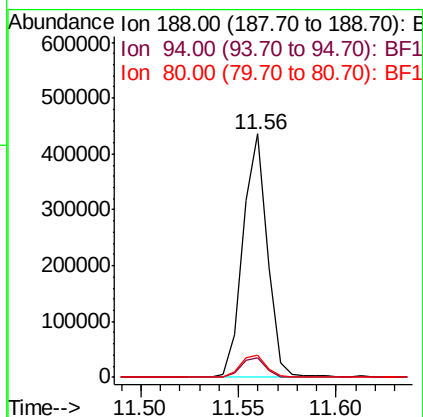
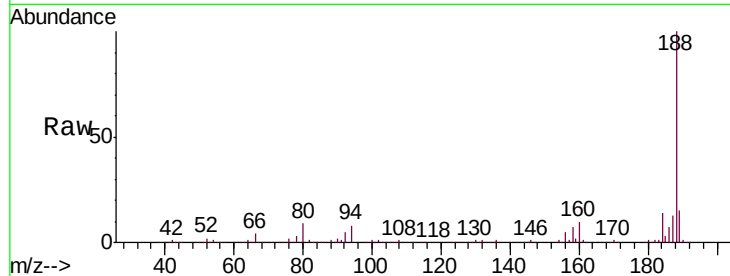




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

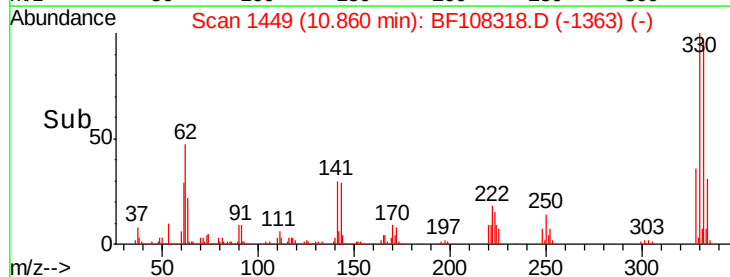
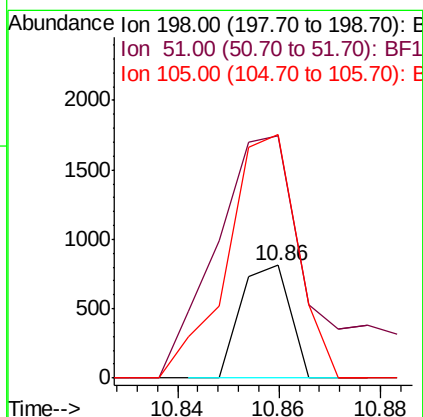
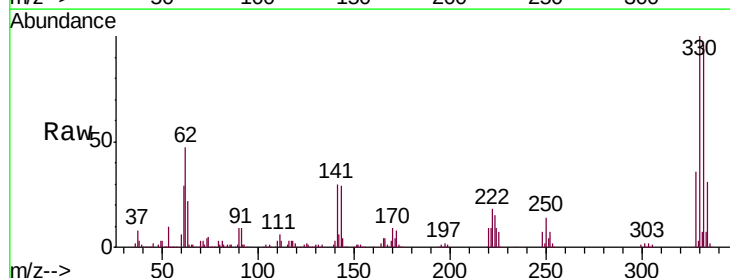
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

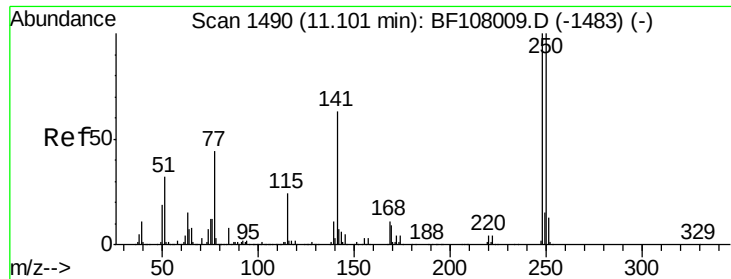
Tgt Ion:188 Resp: 378745
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.5 12.7#
 80 9.1 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.698 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Tgt Ion:198 Resp: 544
 Ion Ratio Lower Upper
 198 100
 51 215.7 37.7 77.7#
 105 216.3 36.3 76.3#

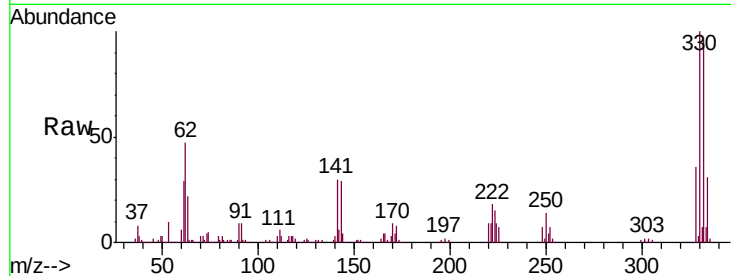




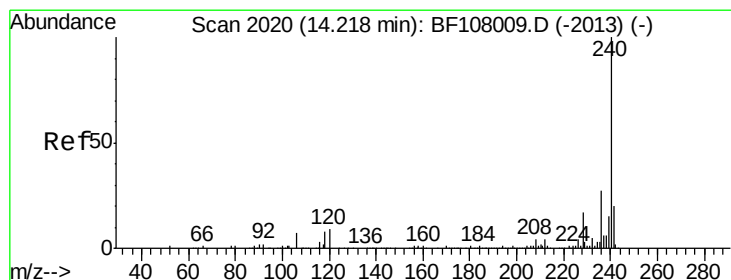
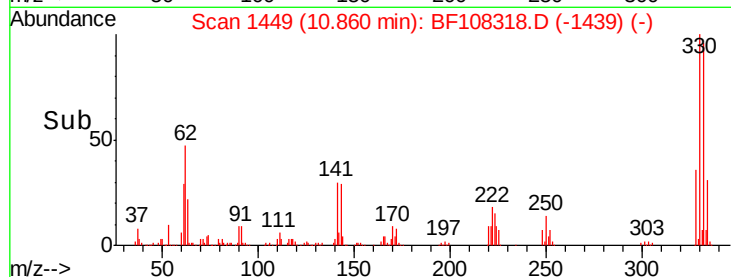
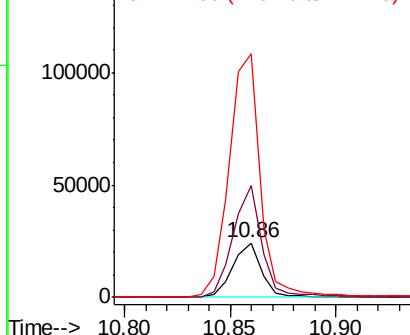
#66
 4-Bromophenyl-phenylether
 Concen: 5.543 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.24 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Instrument :
 BNA_F
 ClientSampled :
 TP-6

Tgt Ion: 248 Resp: 22816
 Ion Ratio Lower Upper
 248 100
 250 204.8 76.9 115.3#
 141 445.4 74.4 111.6#

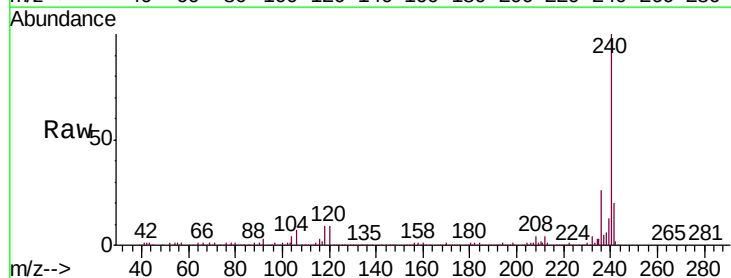


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

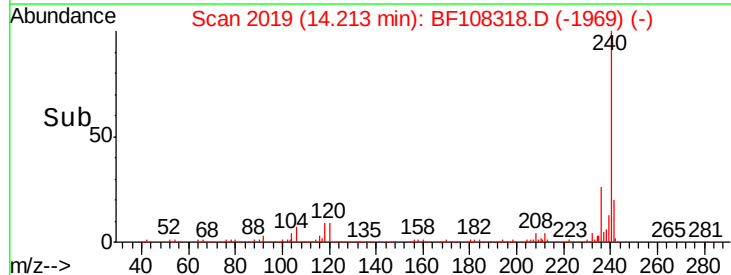
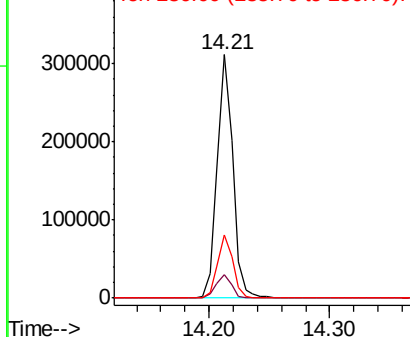


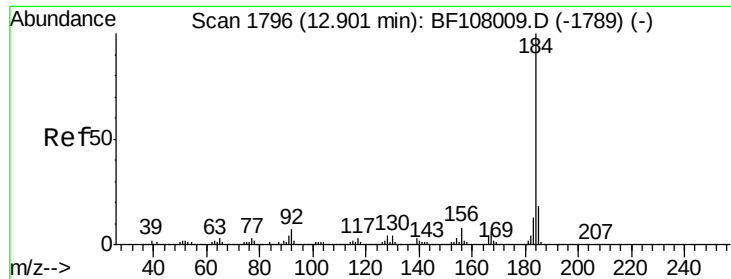
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108318.D
 Acq: 21 Aug 2018 4:59

Tgt Ion: 240 Resp: 276013
 Ion Ratio Lower Upper
 240 100
 120 9.5 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

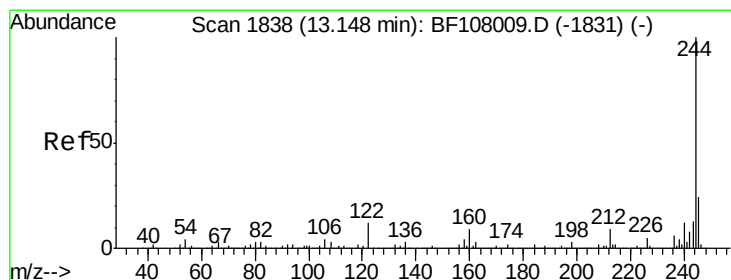
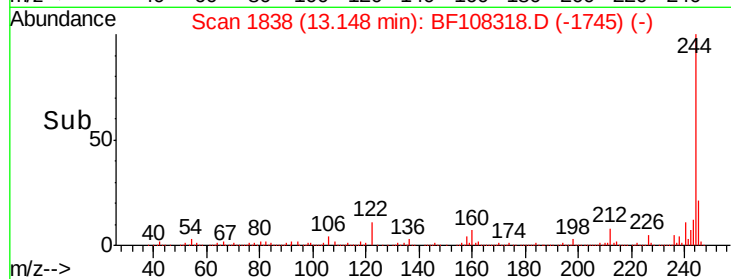
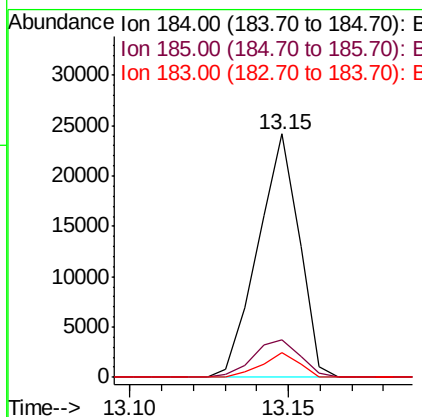
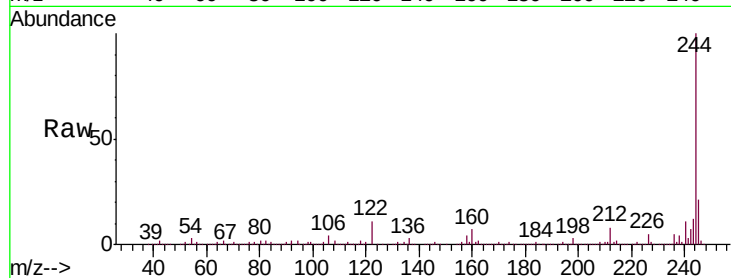




#76
Benzidine
Concen: 2.127 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF108318.D
Acq: 21 Aug 2018 4:59

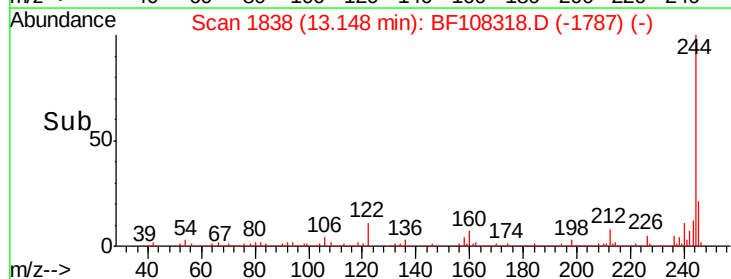
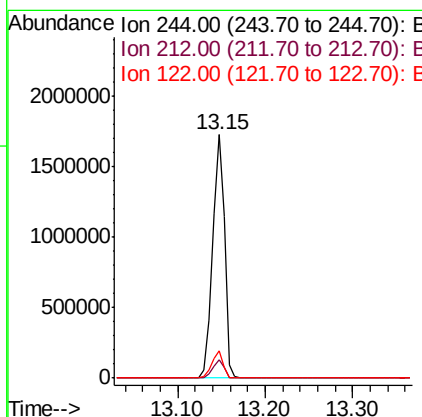
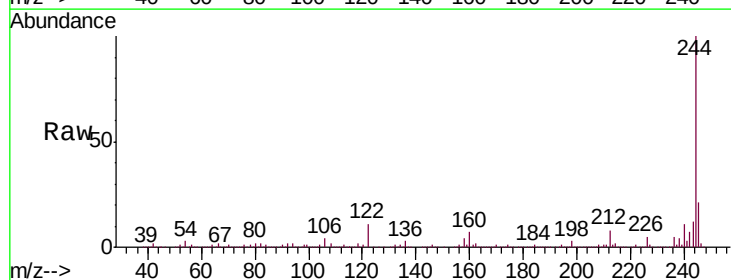
Instrument :
BNA_F
ClientSampleId :
TP-6

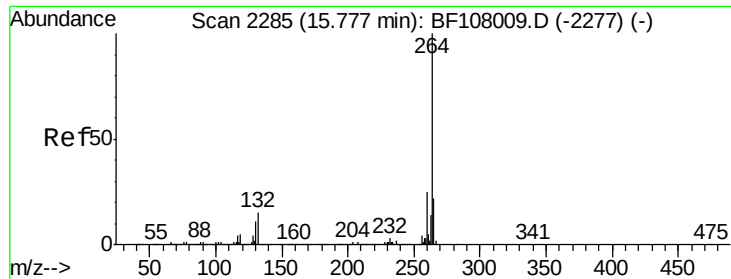
Tgt Ion:184 Resp: 21931
Ion Ratio Lower Upper
184 100
185 15.6 12.6 18.8
183 10.1 9.3 13.9



#78
Terphenyl-d14
Concen: 151.260 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108318.D
Acq: 21 Aug 2018 4:59

Tgt Ion:244 Resp: 1642029
Ion Ratio Lower Upper
244 100
212 7.6 5.4 8.0
122 11.0 11.0 16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108318.D
Acq: 21 Aug 2018 4:59

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3

