

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101818\
 Data File : BF109995.D
 Acq On : 19 Oct 2018 8:22
 Operator : JU/SJ
 Sample : J5543-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 101618-DBRI-E-D-S

Quant Time: Oct 19 10:32:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

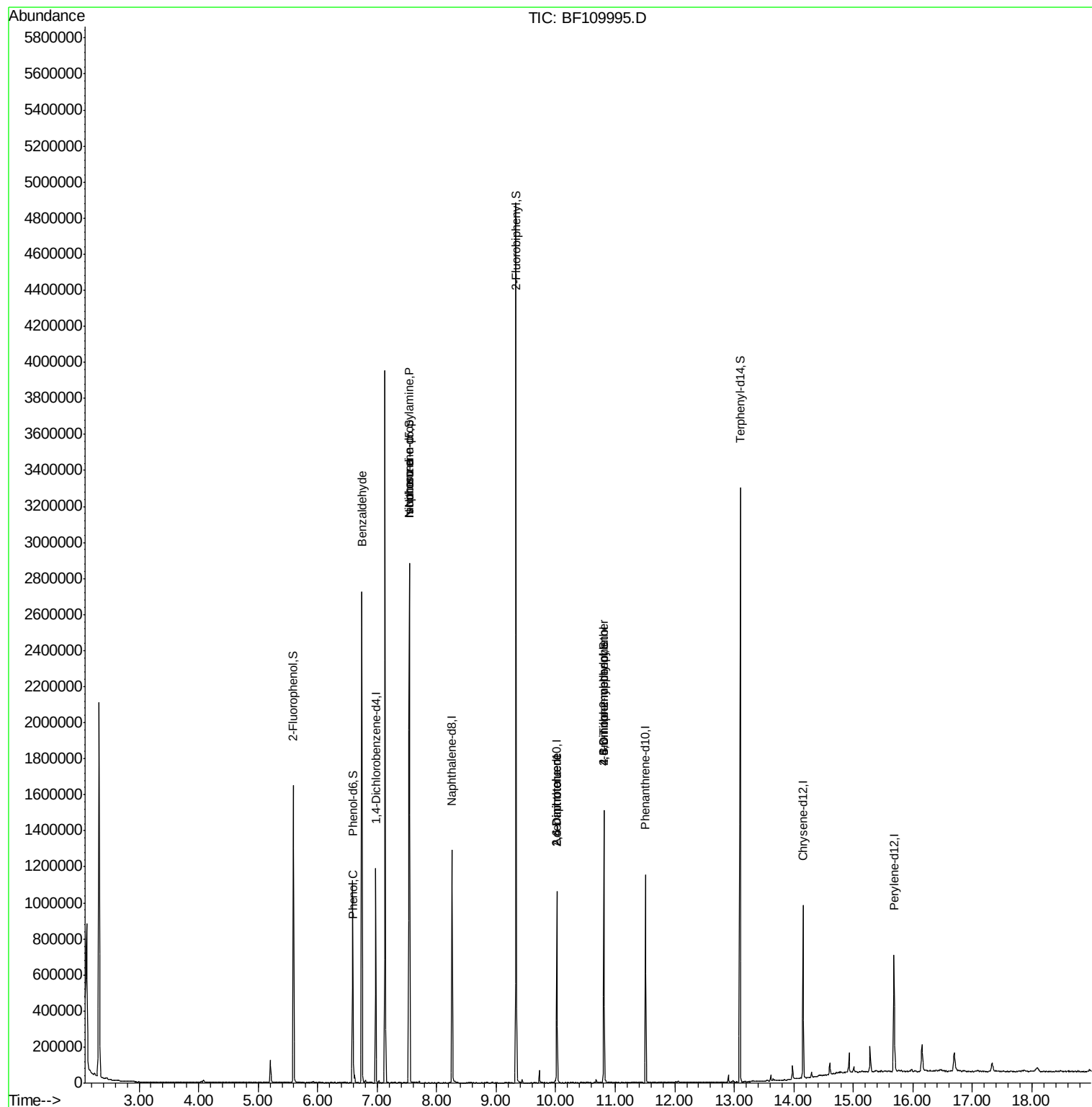
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	156768	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	572257	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	220097	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	377096	20.00	ng	0.00
76) Chrysene-d12	14.16	240	332116	20.00	ng	0.00
87) Perylene-d12	15.68	264	235019	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	427915	43.27	ng	0.00
7) Phenol-d6	6.59	99	311877	25.40	ng	-0.02
23) Nitrobenzene-d5	7.54	82	908910	106.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	176377	92.56	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1468735	106.48	ng	0.00
79) Terphenyl-d14	13.10	244	1157447	73.18	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	16558	2.075	ng	80
10) Phenol	6.60	94	39596	2.986	ng	# 65
19) n-Nitroso-di-n-propylamine	7.54	70	120481	15.280	ng	# 81
25) Isophorone	7.54	82	908885	54.451	ng	# 67
51) 2,6-Dinitrotoluene	10.02	165	27810	9.395	ng	# 22
57) 2,4-Dinitrotoluene	10.02	165	27810	11.310	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	332	8.107	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	11452	2.802	ng	# 1

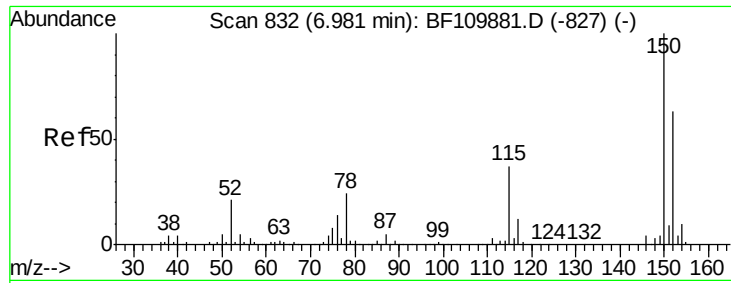
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
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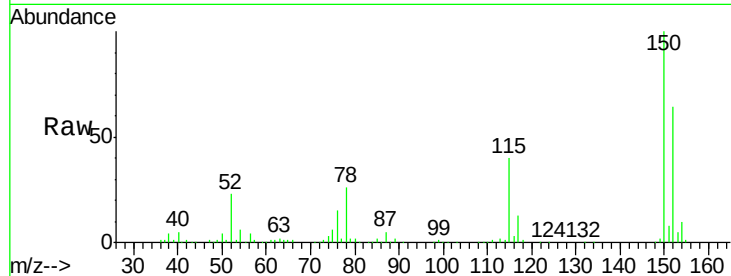


#1

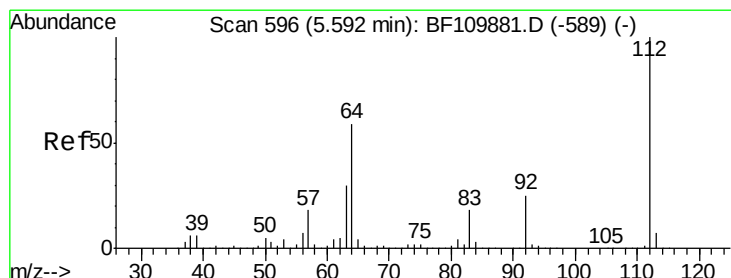
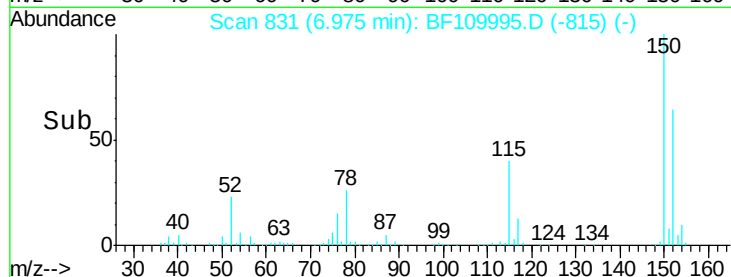
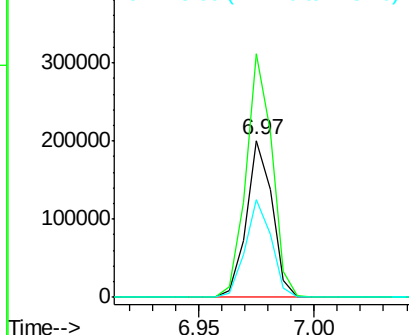
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109995.D
Acq: 19 Oct 2018 8:22

Instrument :
BNA_F
ClientSampleId :
101618-DBRI-E-D-S

Tgt Ion:152 Resp: 156768
Ion Ratio Lower Upper
152 100
150 155.2 122.7 184.1
115 62.0 49.1 73.7



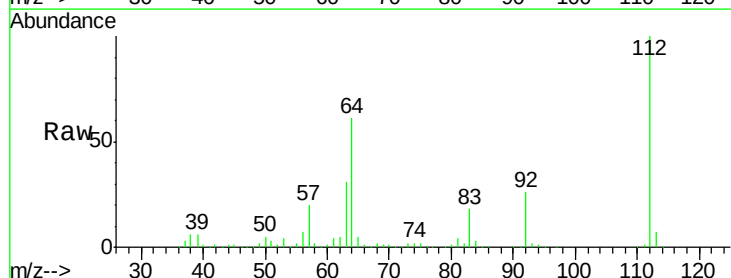
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



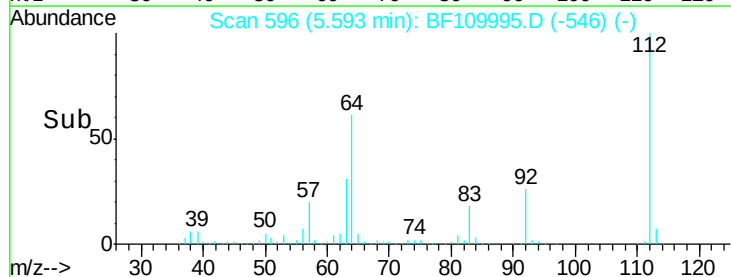
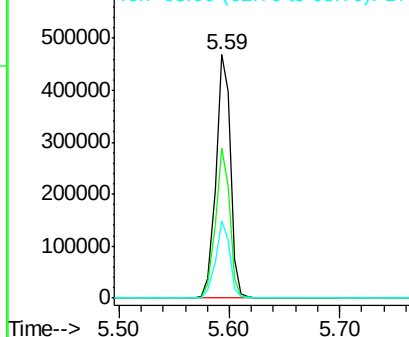
#5

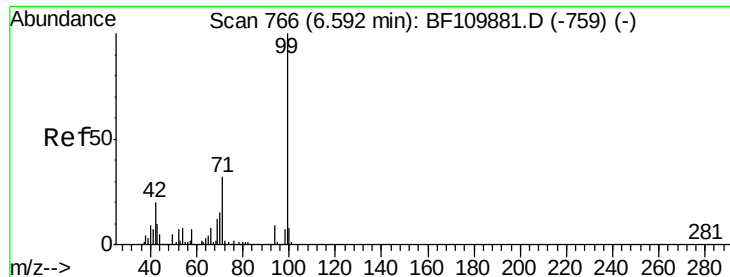
2-Fluorophenol
Concen: 43.268 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF109995.D
Acq: 19 Oct 2018 8:22

Tgt Ion:112 Resp: 427915
Ion Ratio Lower Upper
112 100
64 61.5 44.1 66.1
63 31.5 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: 25.396 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

Instrument :

BNA_F

ClientSampleId :

101618-DBRI-E-D-S

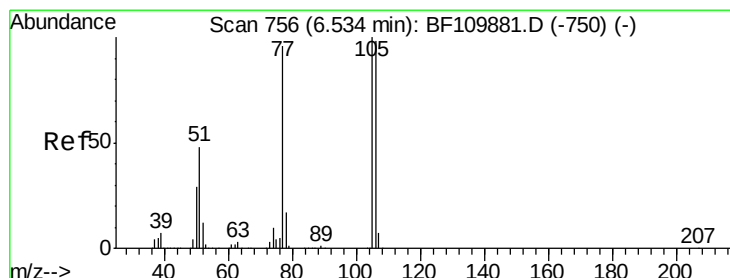
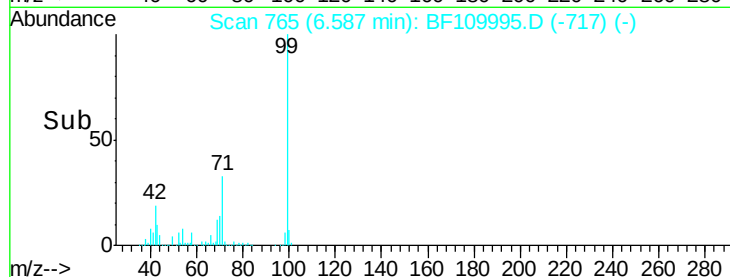
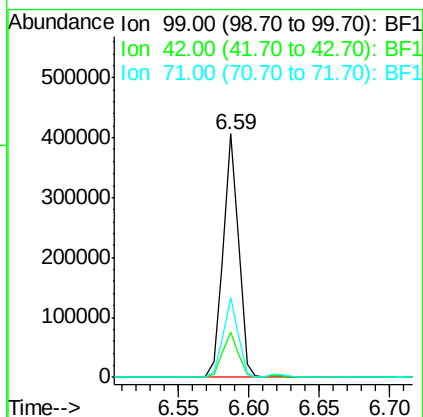
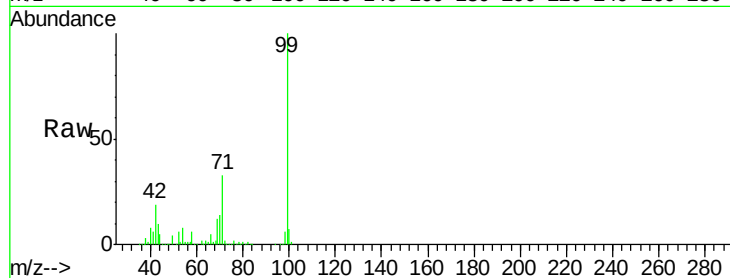
Tgt Ion: 99 Resp: 311877

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

71 32.8 28.0 42.0



#9

Benzaldehyde

Concen: 2.075 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.21 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

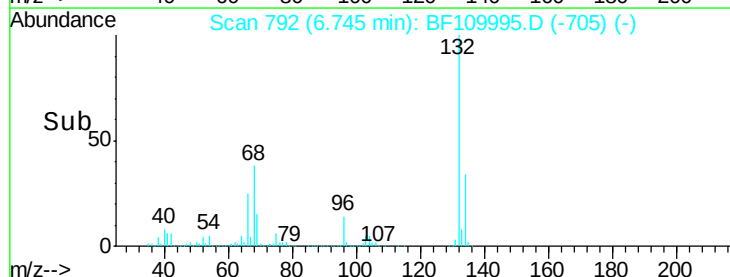
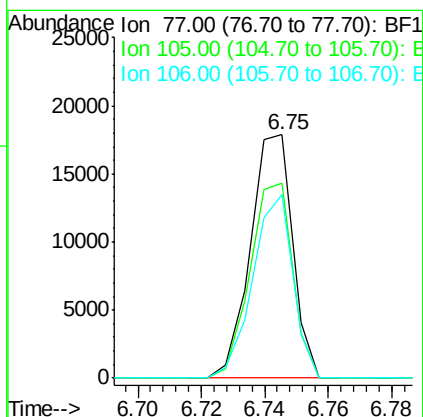
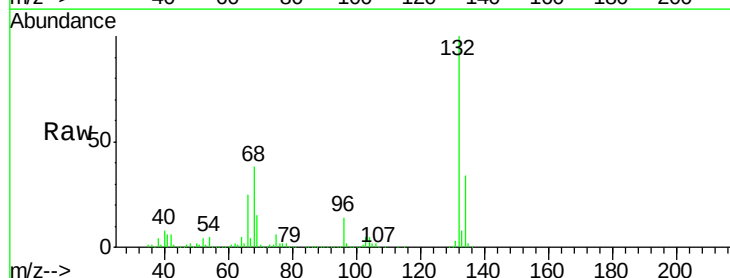
Tgt Ion: 77 Resp: 16558

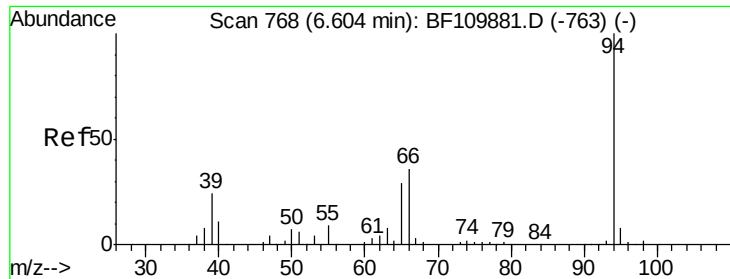
Ion Ratio Lower Upper

77 100

105 79.9 78.6 118.6

106 75.1 74.8 114.8

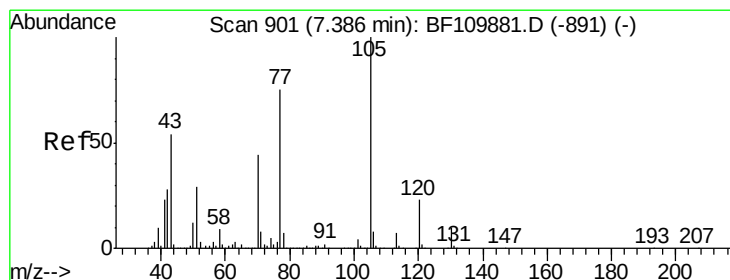
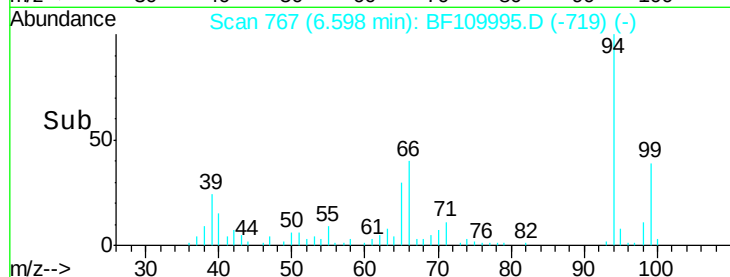
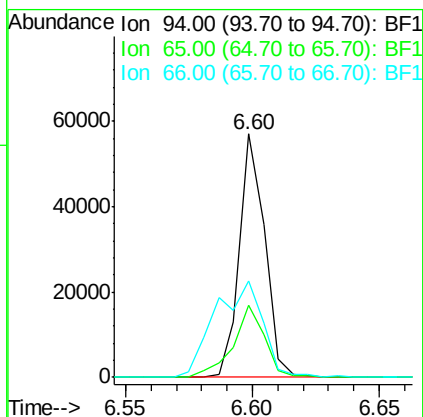
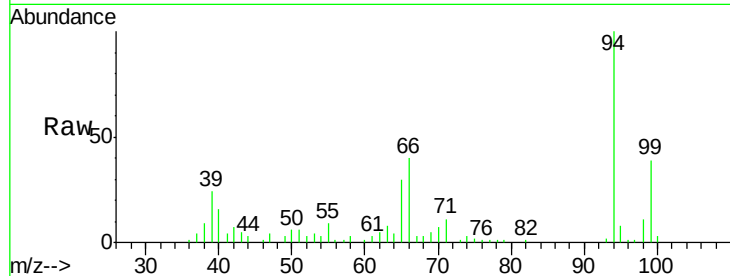




#10
Phenol
Concen: 2.986 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF109995.D
Acq: 19 Oct 2018 8:22

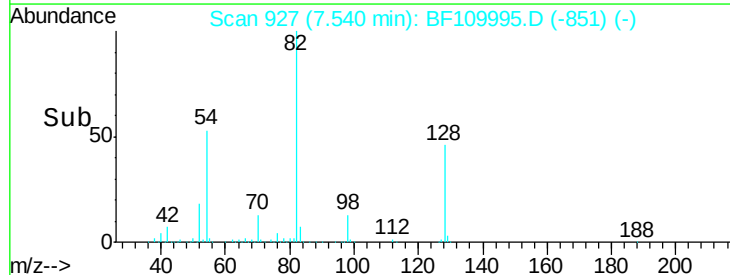
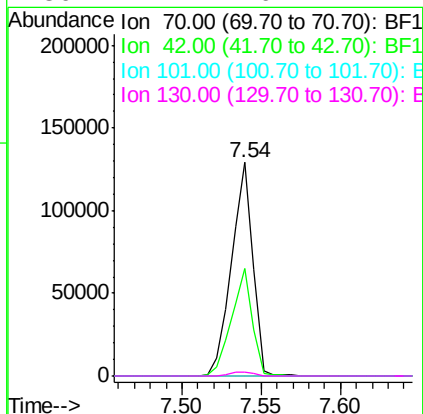
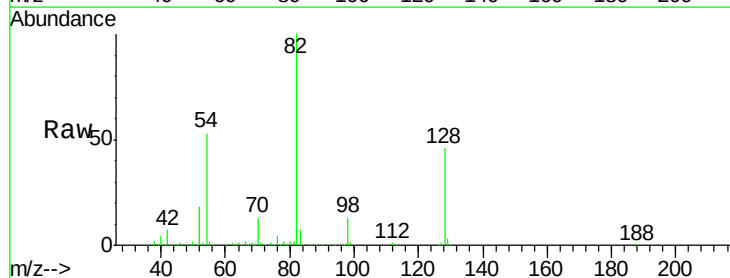
Instrument :
BNA_F
ClientSampleId :
101618-DBRI-E-D-S

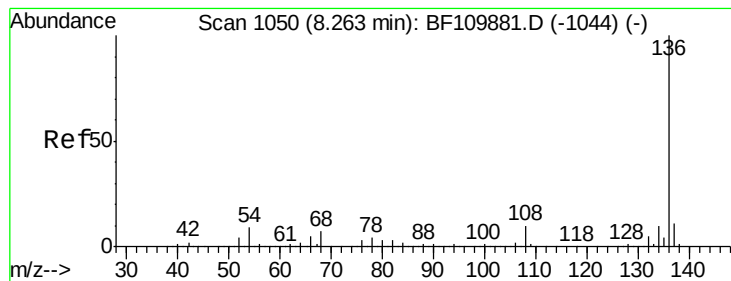
Tgt Ion: 94 Resp: 39596
Ion Ratio Lower Upper
94 100
65 29.8 25.3 65.3
66 39.6 54.5 94.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.280 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF109995.D
Acq: 19 Oct 2018 8:22

Tgt Ion: 70 Resp: 120481
Ion Ratio Lower Upper
70 100
42 50.4 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

Instrument :

BNA_F

ClientSampleId :

101618-DBRI-E-D-S

Tgt Ion: 136 Resp: 572257

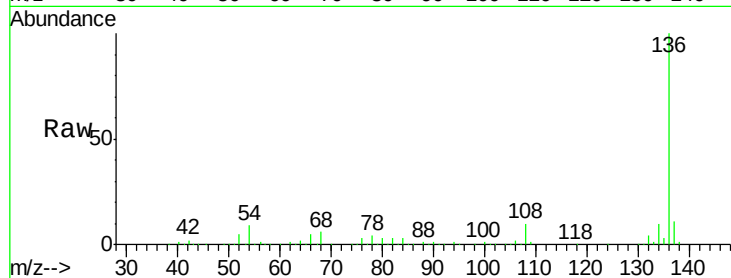
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.1 5.4 8.2#

68 6.2 4.2 6.2

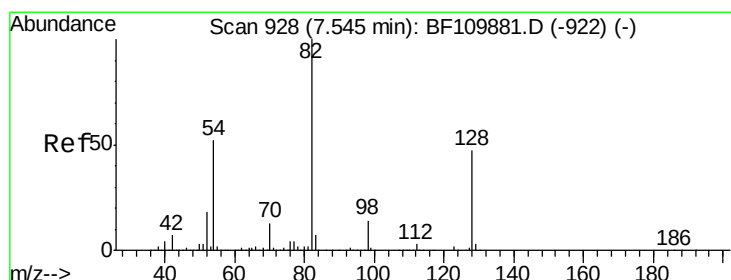
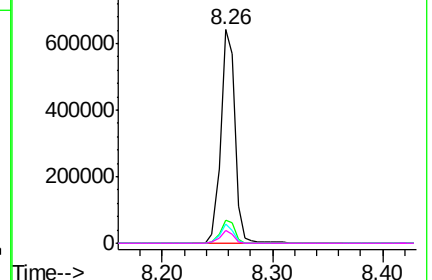
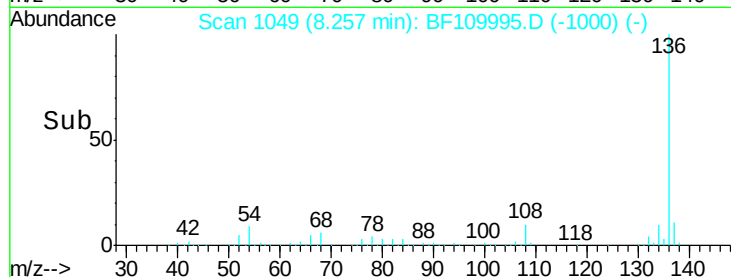


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.993 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

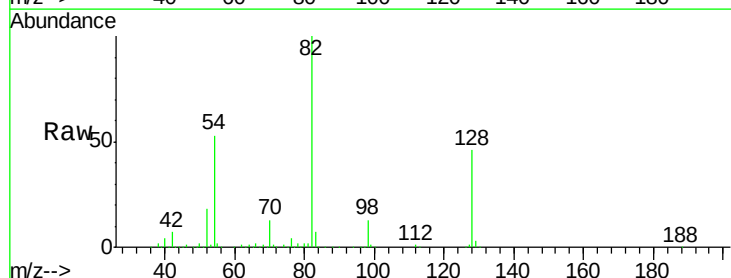
Tgt Ion: 82 Resp: 908910

Ion Ratio Lower Upper

82 100

128 45.9 34.2 51.2

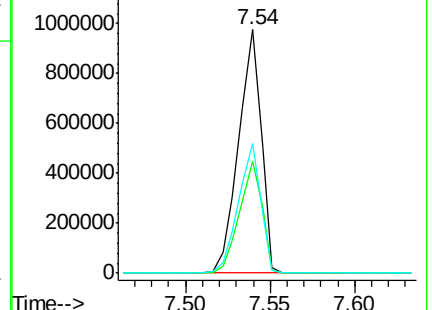
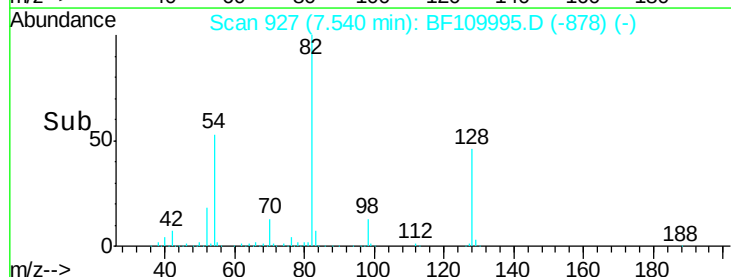
54 53.1 38.6 58.0

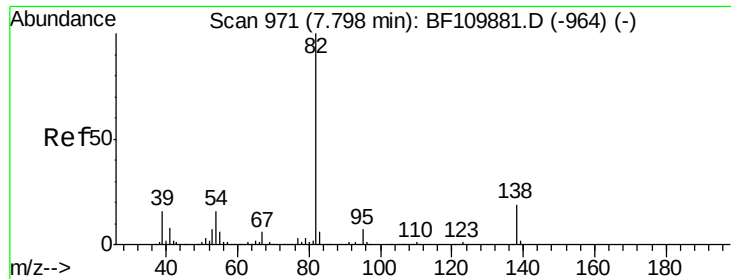


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.451 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

Instrument :

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ClientSampleId :

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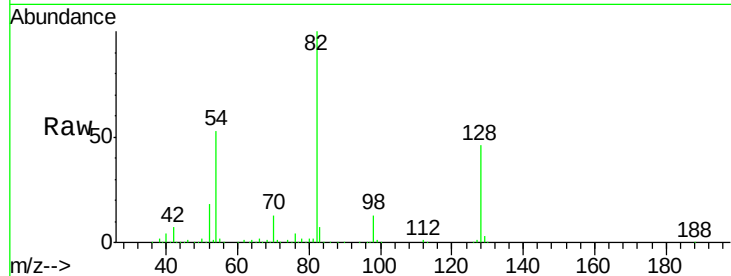
Tgt Ion: 82 Resp: 908885

Ion Ratio Lower Upper

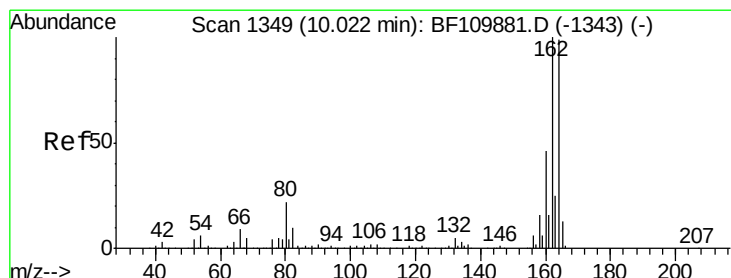
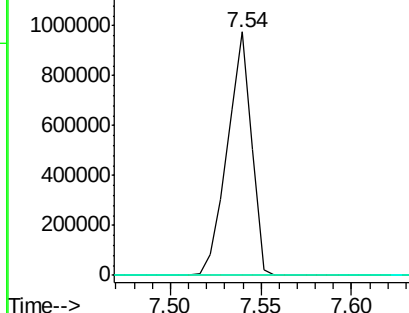
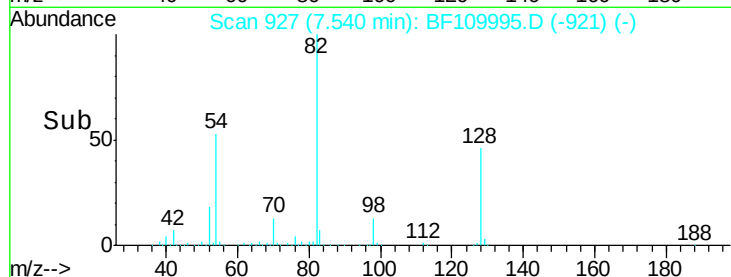
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

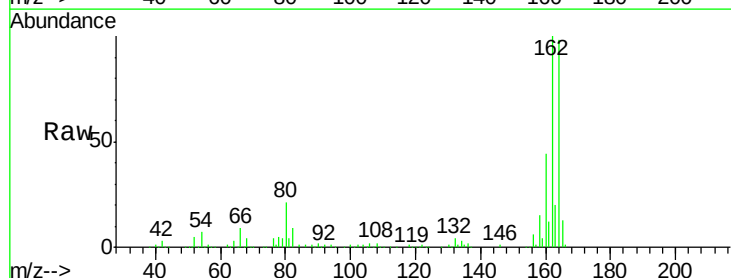
Tgt Ion: 164 Resp: 220097

Ion Ratio Lower Upper

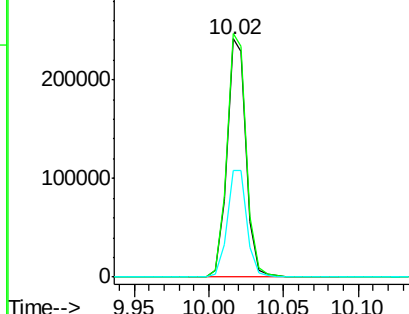
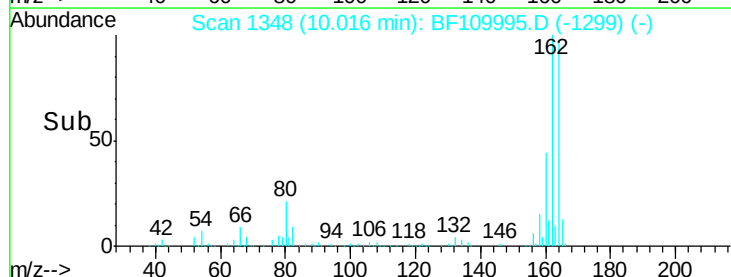
164 100

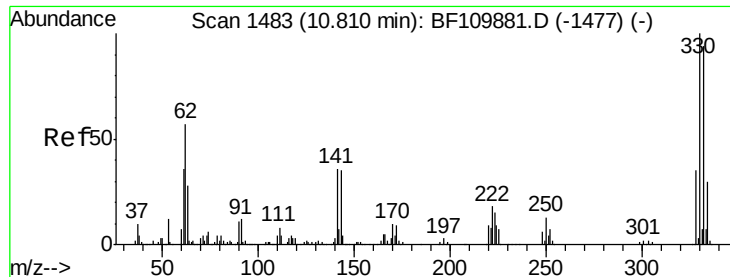
162 102.1 83.0 124.6

160 44.8 37.0 55.6



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

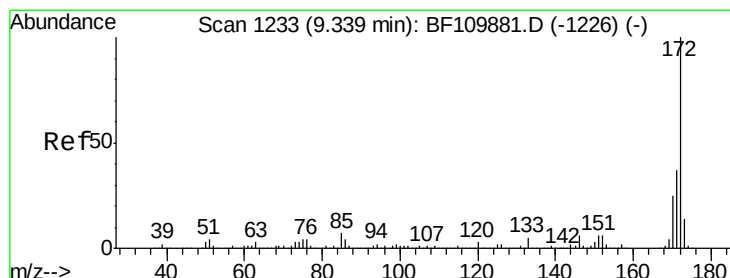
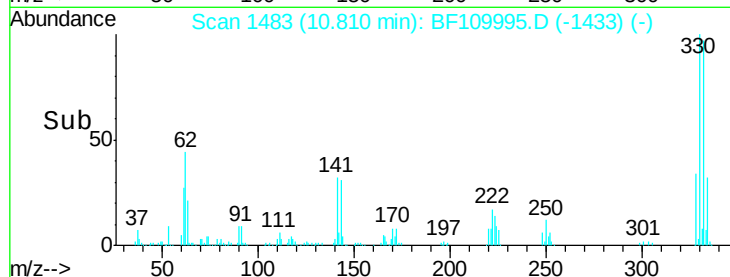
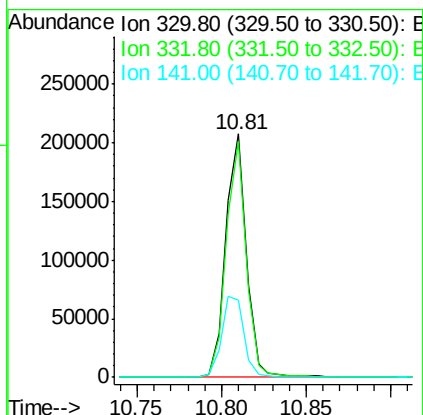
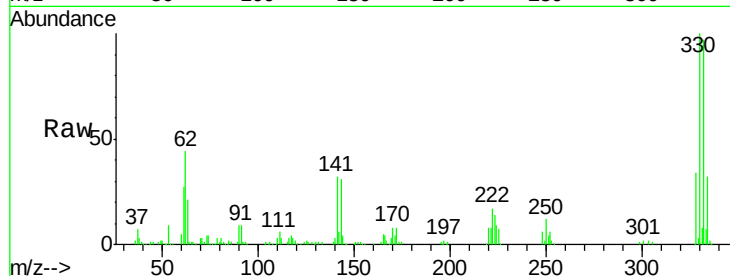




#42
 2,4,6-Tribromophenol
 Concen: 92.560 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109995.D
 Acq: 19 Oct 2018 8:22

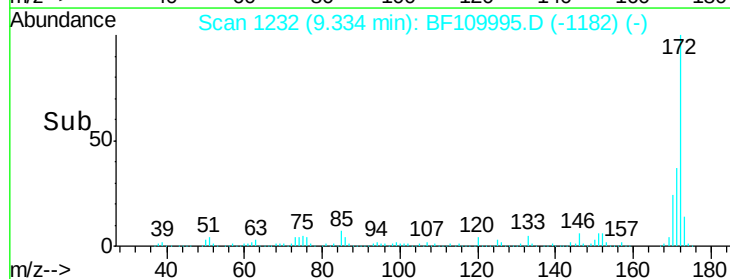
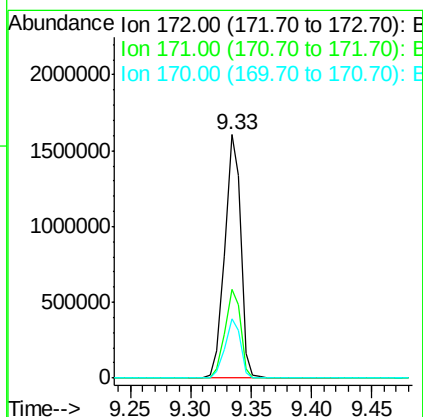
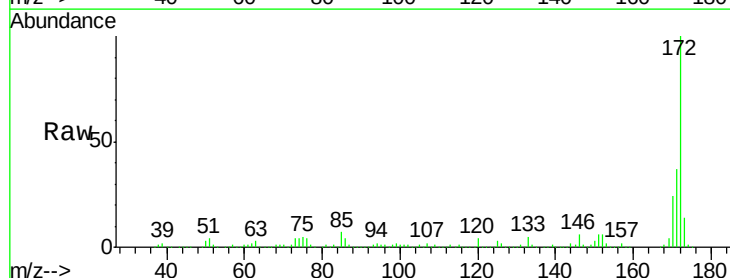
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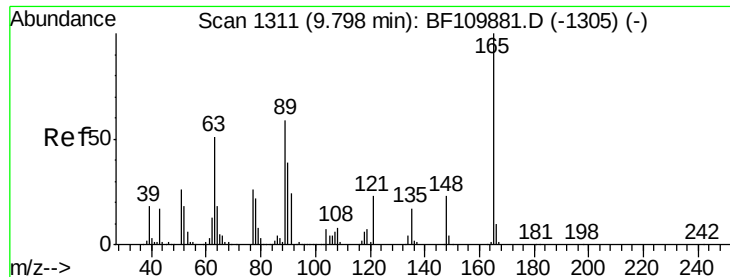
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.1	115.7
141	36.1	27.0	40.4



#45
 2-Fluorobiphenyl
 Concen: 106.480 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109995.D
 Acq: 19 Oct 2018 8:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.4	19.7	29.5

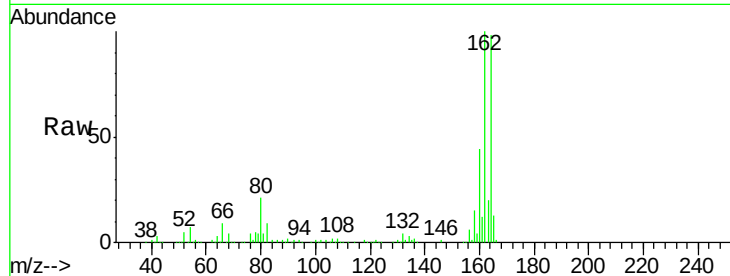




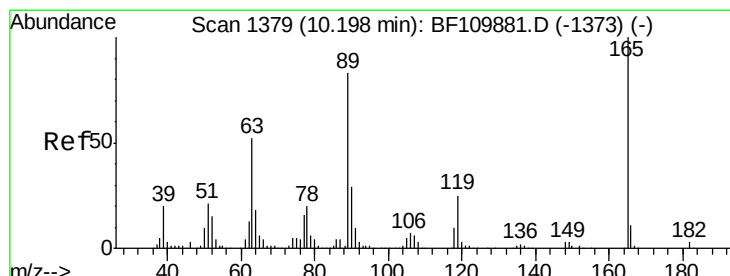
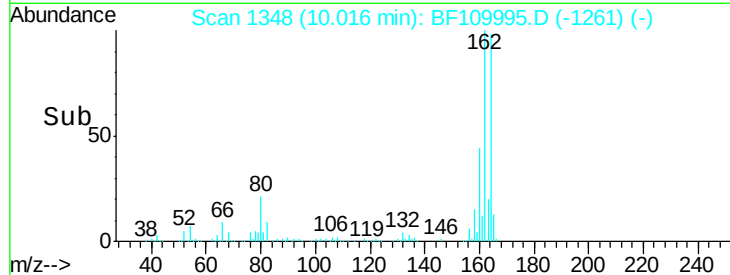
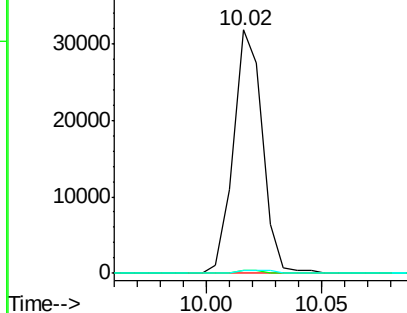
#51
 2,6-Dinitrotoluene
 Concen: 9.395 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.21 min
 Lab File: BF109995.D
 Acq: 19 Oct 2018 8:22

Instrument :
 BNA_F
 ClientSampleId :
 101618-DBRI-E-D-S

Tgt Ion:165 Resp: 27810
 Ion Ratio Lower Upper
 165 100
 63 1.0 48.9 73.3#
 89 1.1 46.6 69.8#



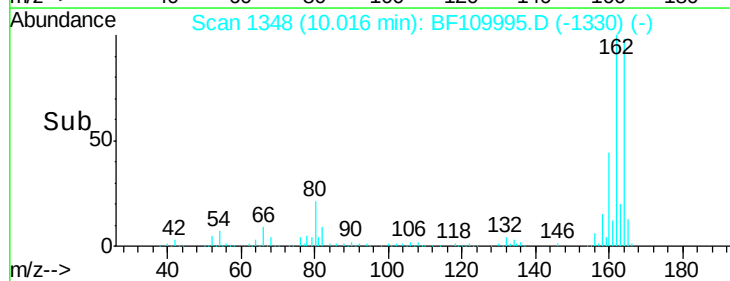
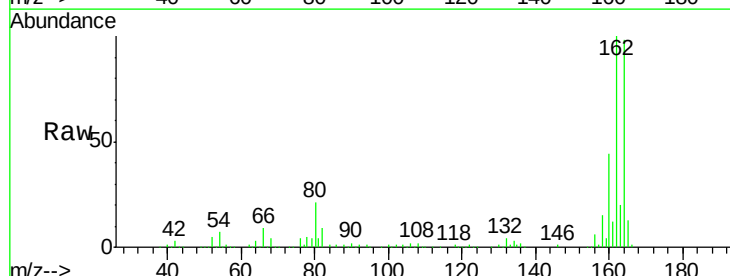
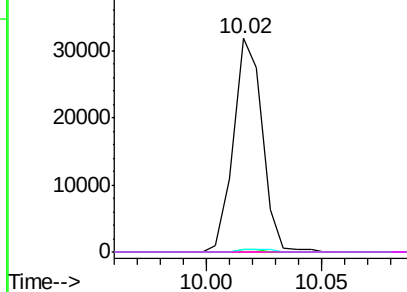
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

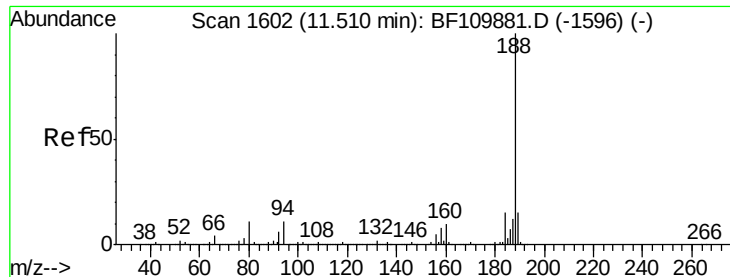


#57
 2,4-Dinitrotoluene
 Concen: 11.310 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF109995.D
 Acq: 19 Oct 2018 8:22

Tgt Ion:165 Resp: 27810
 Ion Ratio Lower Upper
 165 100
 63 1.0 44.8 67.2#
 89 1.1 62.2 93.4#
 182 0.0 2.1 3.1#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

Instrument :

BNA_F

ClientSampleId :

101618-DBRI-E-D-S

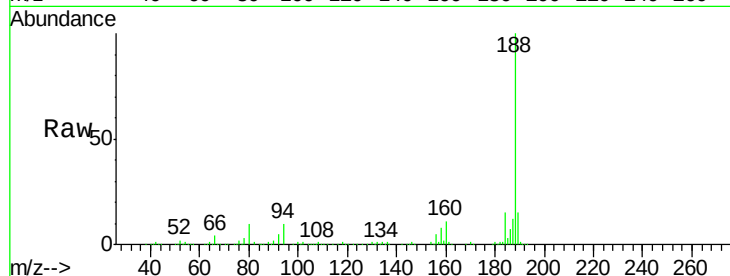
Tgt Ion:188 Resp: 377096

Ion Ratio Lower Upper

188 100

94 9.9 7.2 10.8

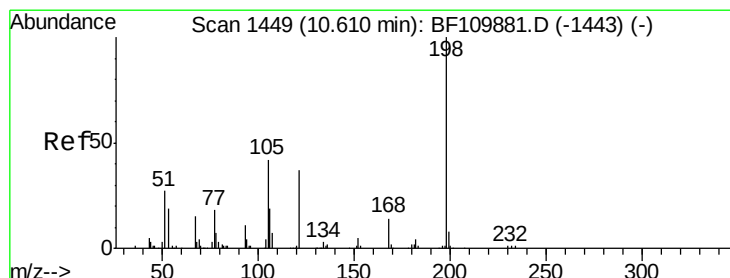
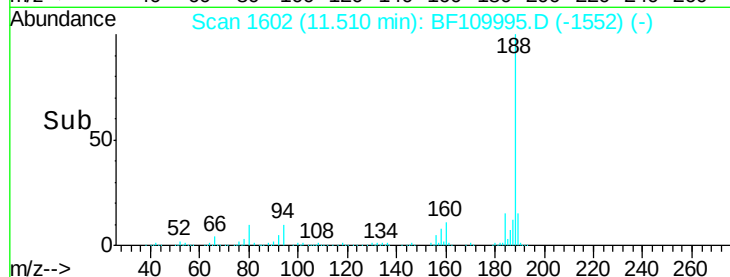
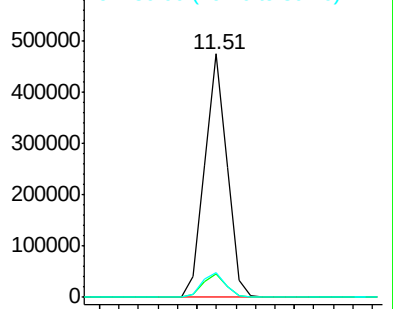
80 10.1 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.107 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

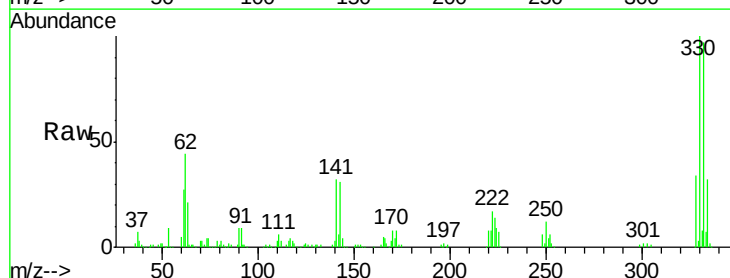
Tgt Ion:198 Resp: 332

Ion Ratio Lower Upper

198 100

51 177.9 22.8 62.8#

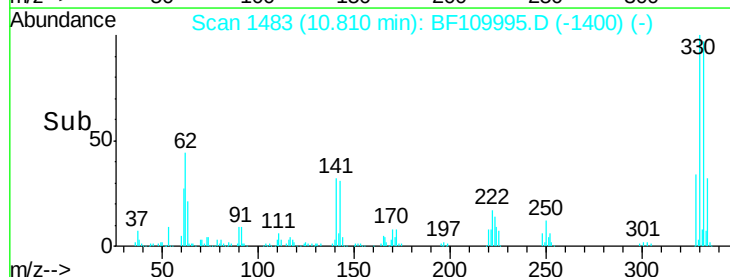
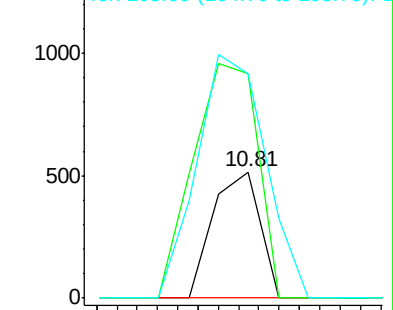
105 177.7 23.6 63.6#

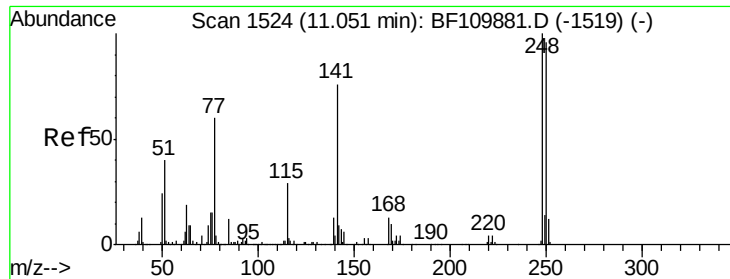


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

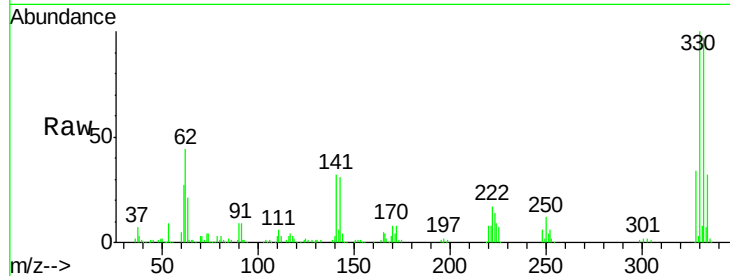




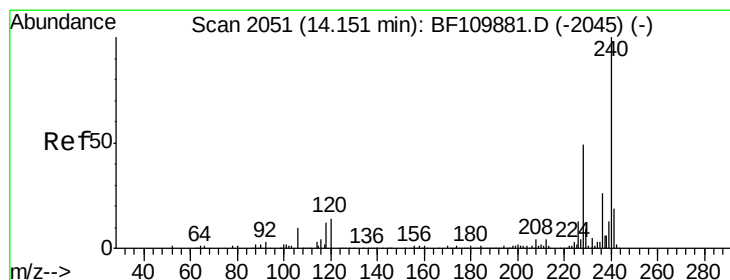
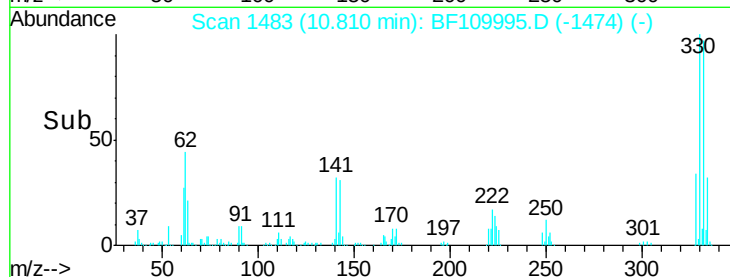
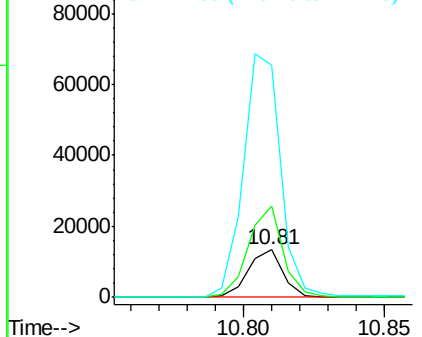
#67
 4-Bromophenyl-phenylether
 Concen: 2.802 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.25 min
 Lab File: BF109995.D
 Acq: 19 Oct 2018 8:22

Instrument :
 BNA_F
 ClientSampleId :
 101618-DBRI-E-D-S

Tgt Ion:248 Resp: 11452
 Ion Ratio Lower Upper
 248 100
 250 192.6 79.4 119.2#
 141 488.4 55.9 83.9#

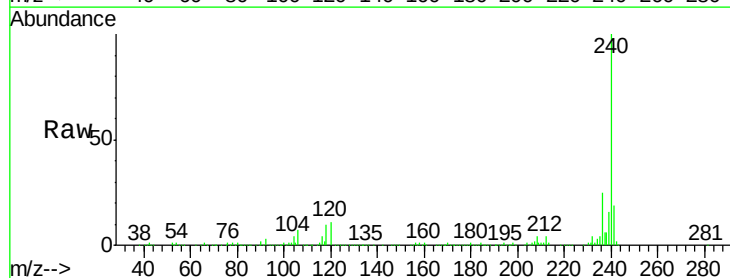


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

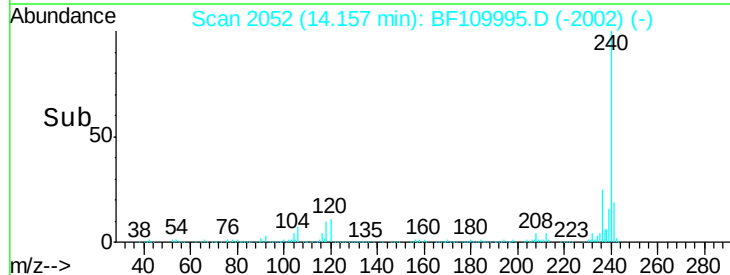
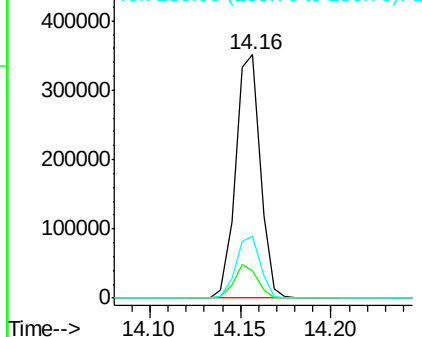


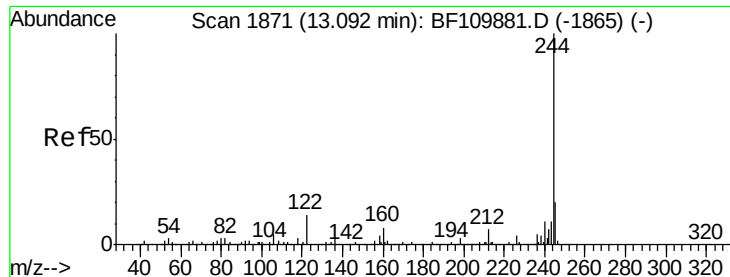
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF109995.D
 Acq: 19 Oct 2018 8:22

Tgt Ion:240 Resp: 332116
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.3 12.5
 236 25.2 21.2 31.8



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





#79

Terphenyl-d14

Concen: 73.184 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

Instrument :

BNA_F

ClientSampleId :

101618-DBRI-E-D-S

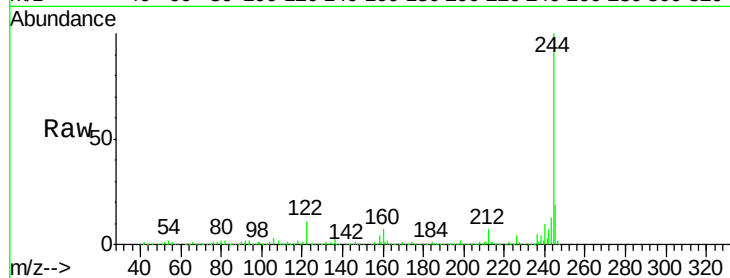
Tgt Ion:244 Resp: 1157447

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

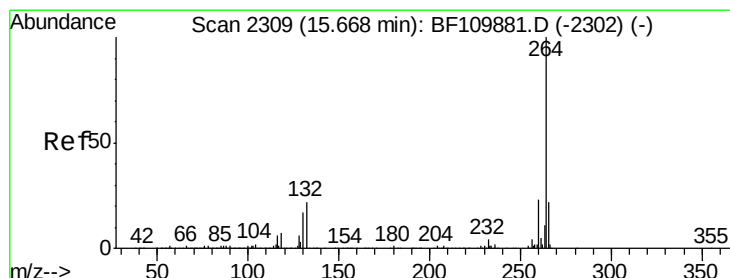
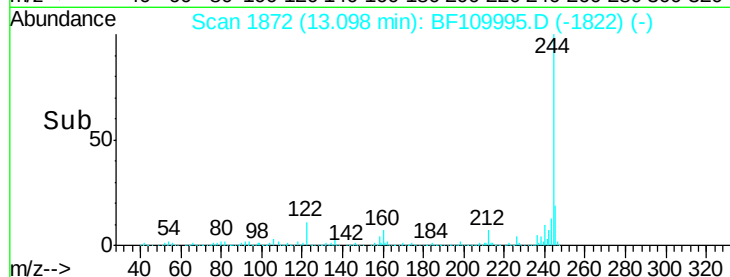
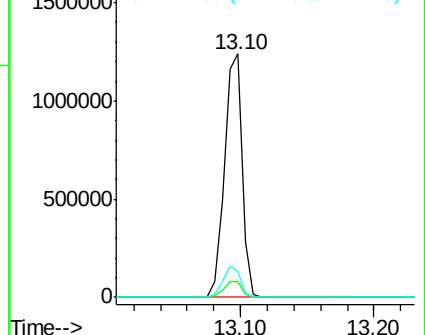
122 10.6 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF109995.D

Acq: 19 Oct 2018 8:22

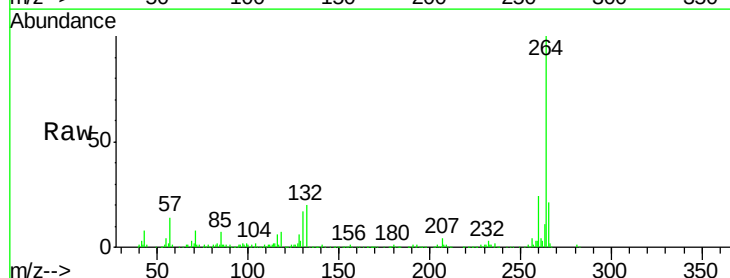
Tgt Ion:264 Resp: 235019

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 20.8 16.7 25.1



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

