

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100061.D
 Acq On : 1 Nov 2017 22:53
 Operator : SJ/JU
 Sample : I6226-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 01:41:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

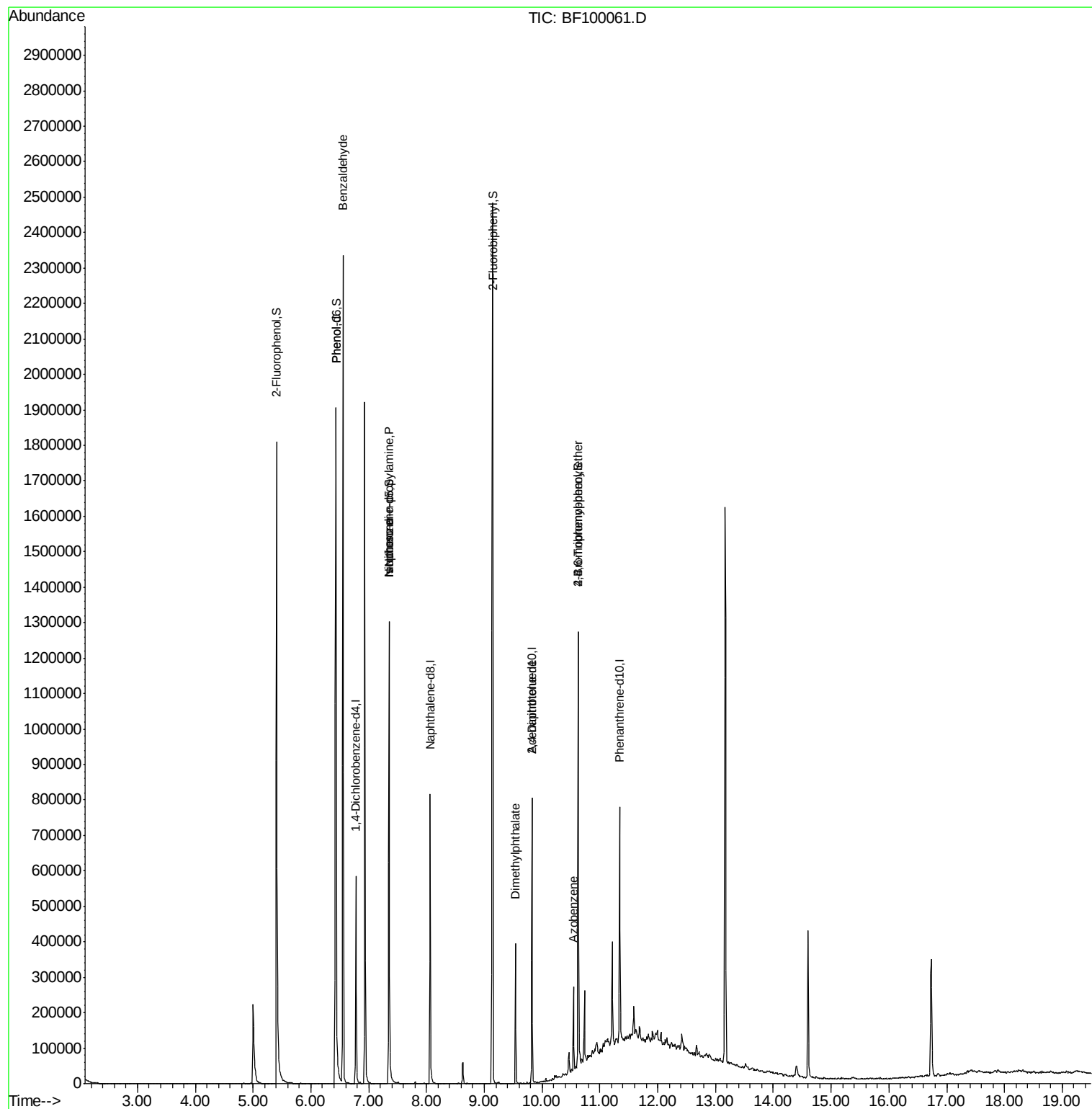
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	97488	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	381446	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	161587	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	239636	20.00	ng	0.04
75) Chrysene-d12	0.00	240	0	0.00	ng	-13.97
86) Perylene-d12	0.00	264	0	0.00	ng	-15.46
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	747616	120.40	ng	0.02
7) Phenol-d6	6.43	99	867999	117.89	ng	0.00
23) Nitrobenzene-d5	7.36	82	496394	83.78	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	162056	110.05	ng	0.01
44) 2-Fluorobiphenyl	9.15	172	906878	86.59	ng	0.01
78) Terphenyl-d14	13.17	244	563987	0.00	ng	0.27
Target Compounds						
9) Benzaldehyde	6.56	77	12670	2.880	ng	94
10) Phenol	6.44	94	20453	2.530	ng	# 68
19) n-Nitroso-di-n-propylamine	7.36	70	60184	13.948	ng	# 70
25) Isophorone	7.36	82	496394	46.171	ng	# 64
49) Dimethylphthalate	9.54	163	163705	12.793	ng	99
56) 2,4-Dinitrotoluene	9.82	165	21045	6.496	ng	# 21
62) Azobenzene	10.54	77	42663	4.073	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9969	3.952	ng	# 1

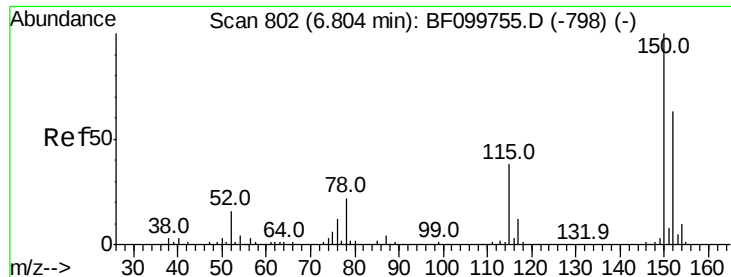
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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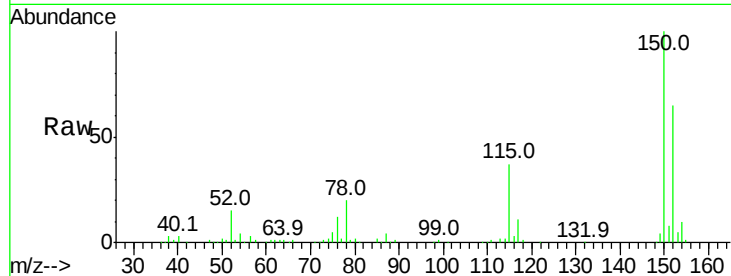


#1

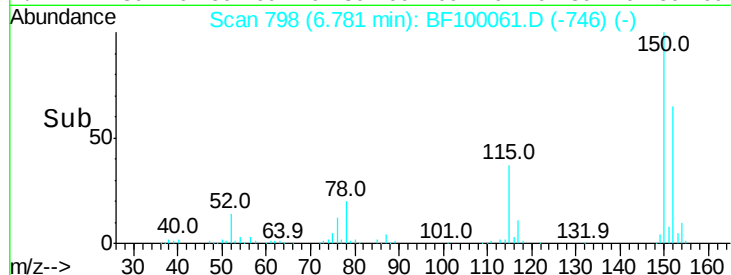
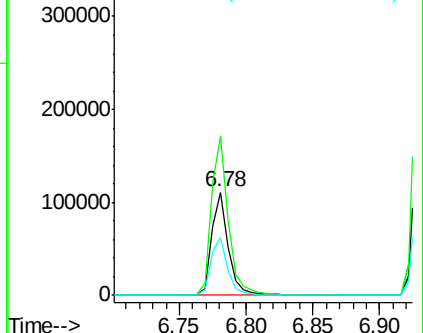
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. 0.01 min
 Lab File: BF100061.D
 Acq: 1 Nov 2017 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 97488
 Ion Ratio Lower Upper
 152 100
 150 154.5 124.6 186.8
 115 56.5 50.1 75.1



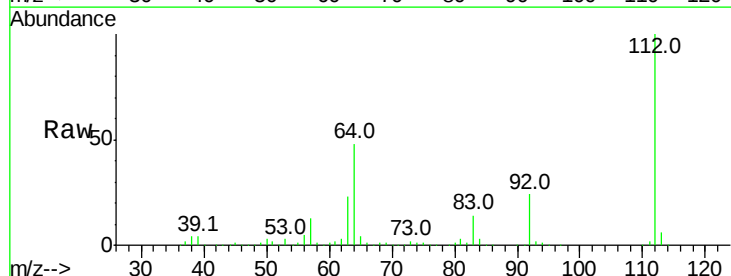
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



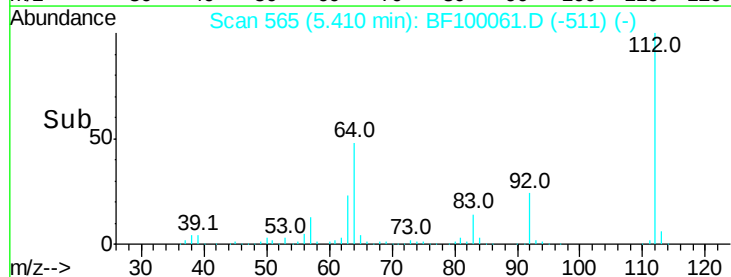
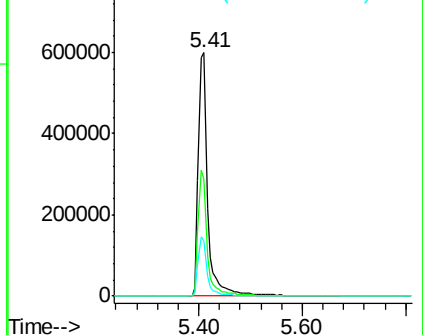
#5

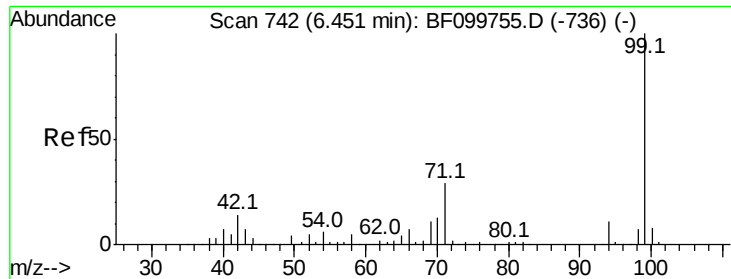
2-Fluorophenol
 Concen: 120.398 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.02 min
 Lab File: BF100061.D
 Acq: 1 Nov 2017 22:53

Tgt Ion:112 Resp: 747616
 Ion Ratio Lower Upper
 112 100
 64 47.9 47.9 71.9#
 63 22.7 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: 117.890 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Instrument :

BNA_F

ClientSampled :

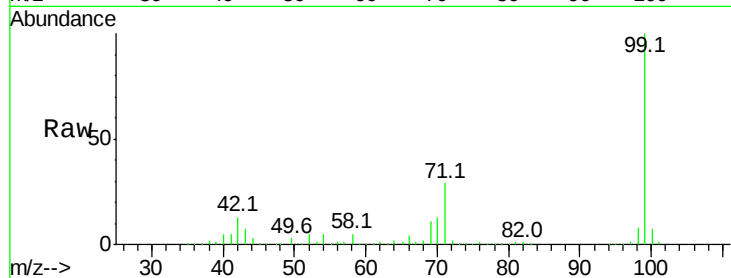
Tot Ion: 99 Resp: 867999

Ion Ratio Lower Upper

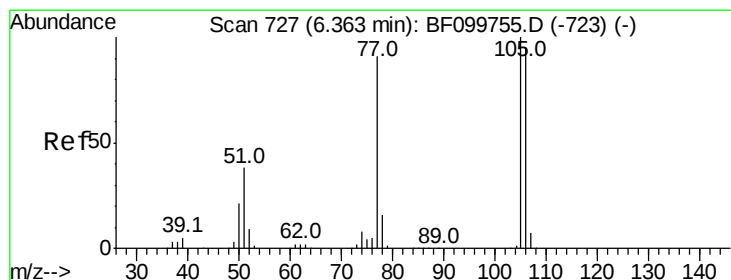
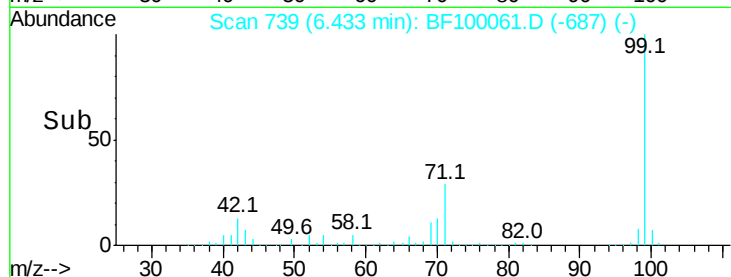
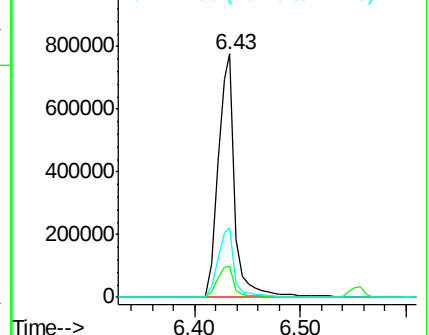
99 100

42 13.0 14.5 21.7#

71 28.5 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



#9

Benzaldehyde

Concen: 2.880 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.22 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

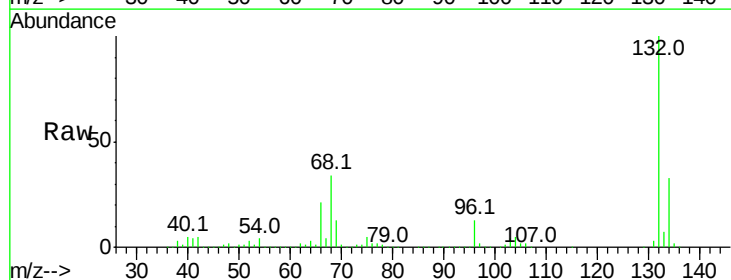
Tgt Ion: 77 Resp: 12670

Ion Ratio Lower Upper

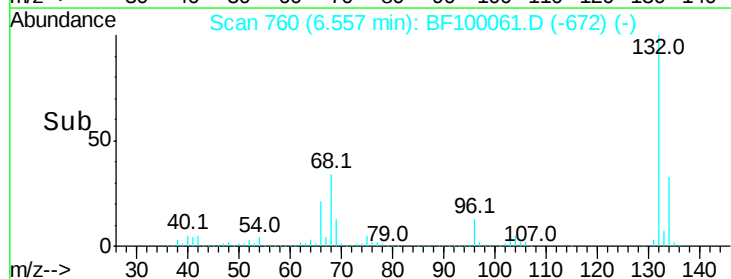
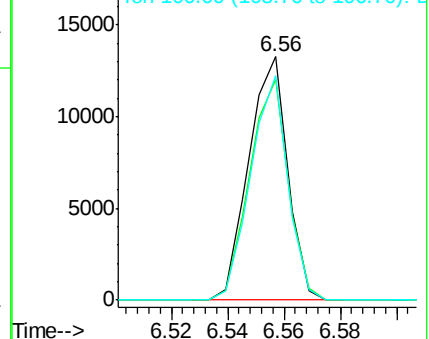
77 100

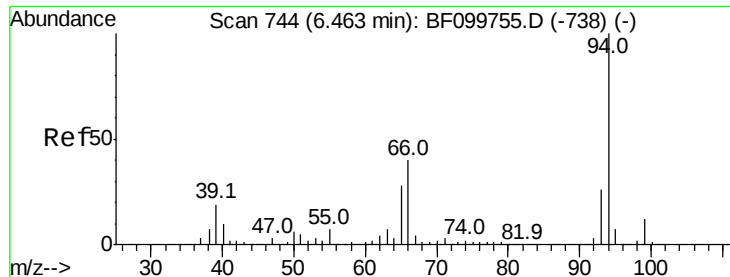
105 90.8 81.1 121.1

106 92.3 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





#10

Phenol

Concen: 2.530 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Instrument :

BNA_F

ClientSampleId :

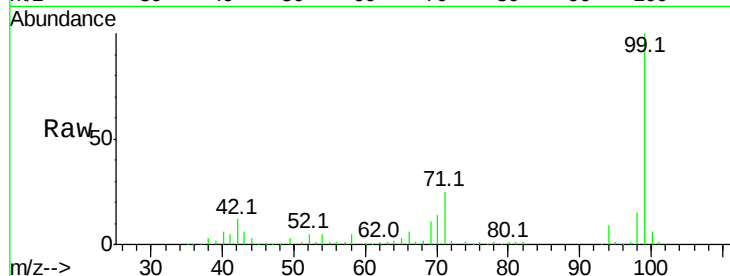
Tot Ion: 94 Resp: 20453

Ion Ratio Lower Upper

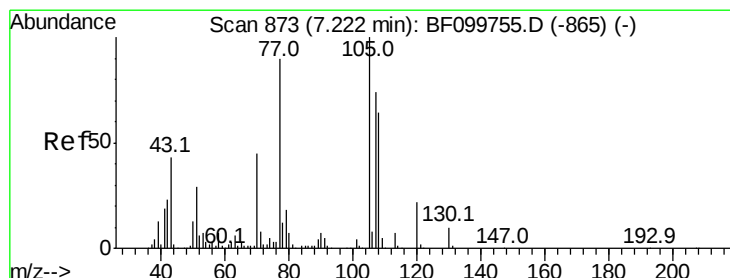
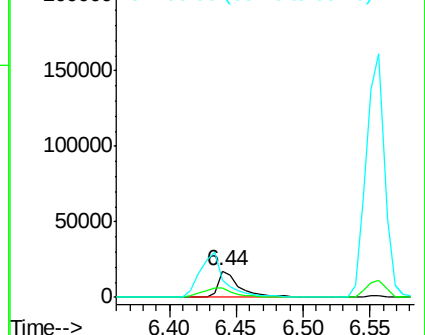
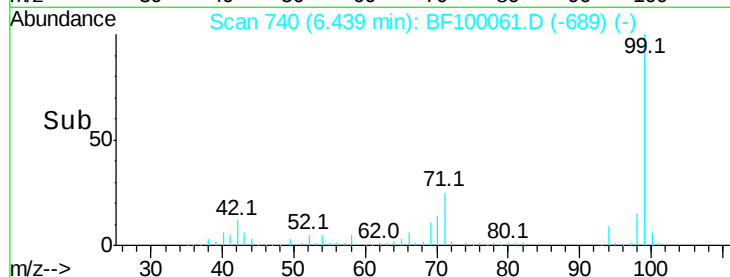
94 100

65 34.0 7.9 47.9

66 64.5 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.948 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.16 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Tgt Ion: 70 Resp: 60184

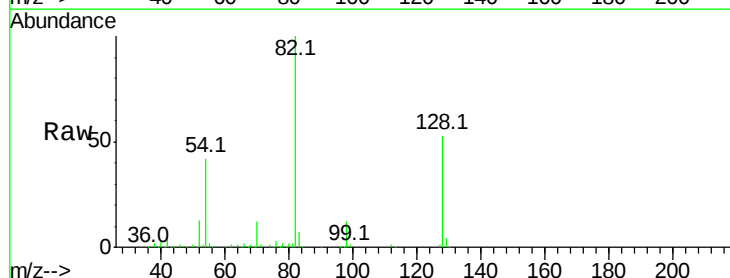
Ion Ratio Lower Upper

70 100

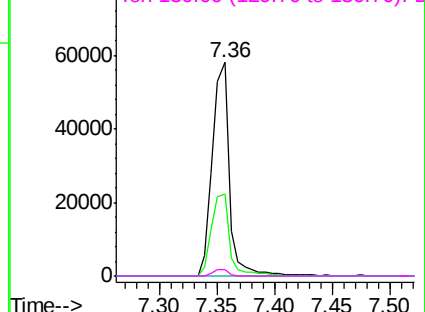
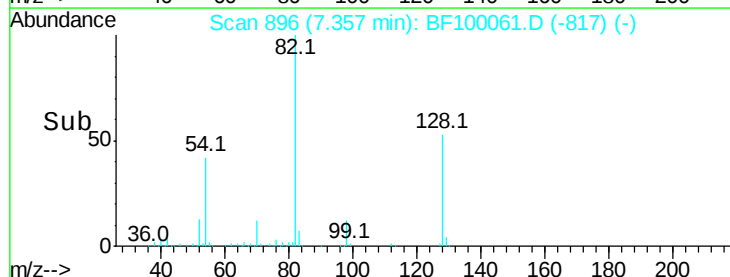
42 38.5 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 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

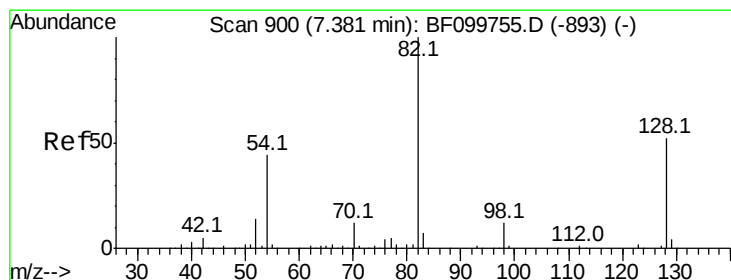
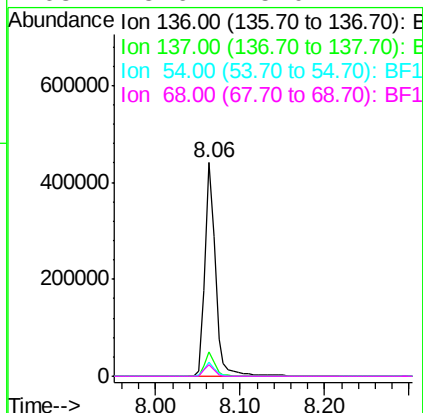
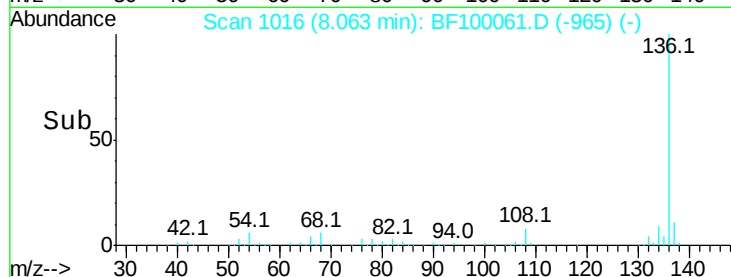
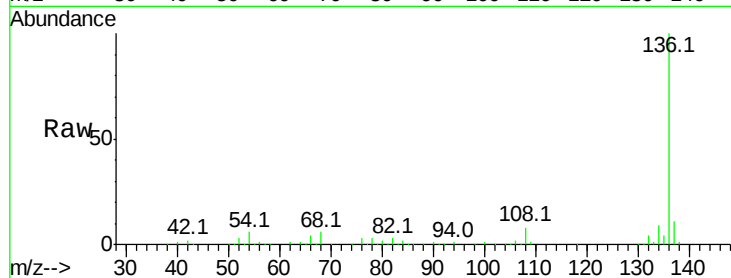




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF100061.D
Acq: 1 Nov 2017 22:53

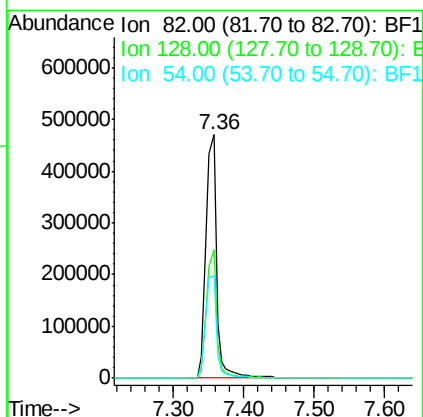
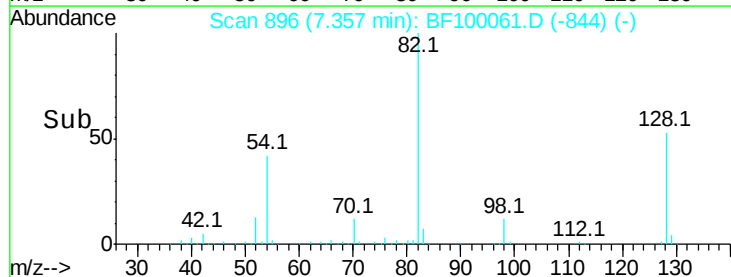
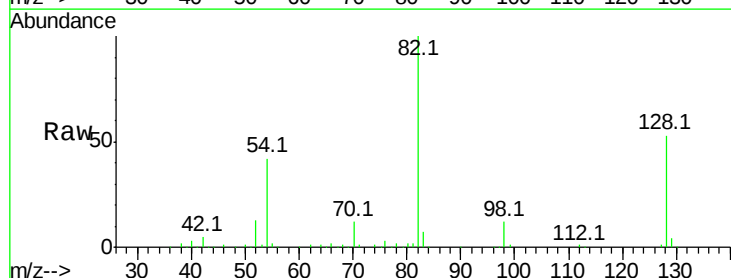
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	381446
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.5	6.6	9.8#
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 83.781 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.01 min
Lab File: BF100061.D
Acq: 1 Nov 2017 22:53

Tgt Ion:	82	Resp:	496394
Ion	Ratio	Lower	Upper
82	100		
128	52.7	36.1	54.1
54	42.3	41.4	62.2





#25

Isophorone

Concen: 46.171 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.25 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Instrument :

BNA_F

ClientSampleId :

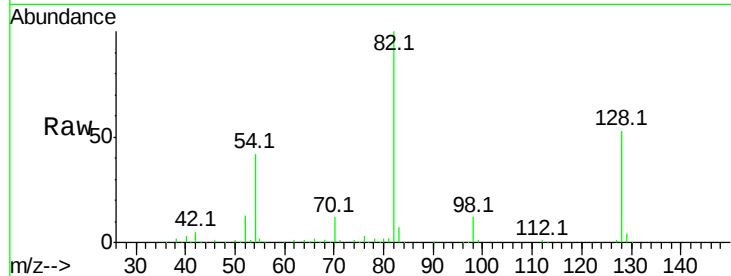
Tot Ion: 82 Resp: 496394

Ion Ratio Lower Upper

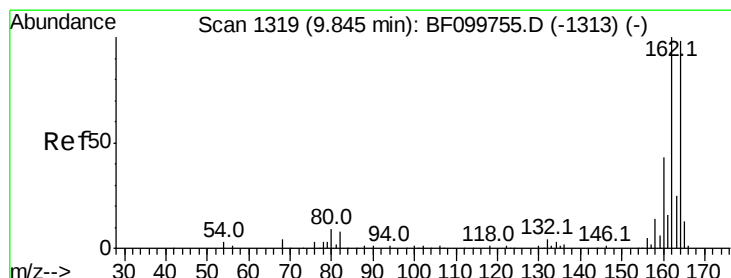
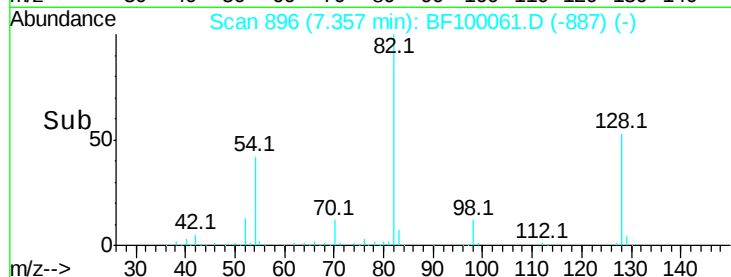
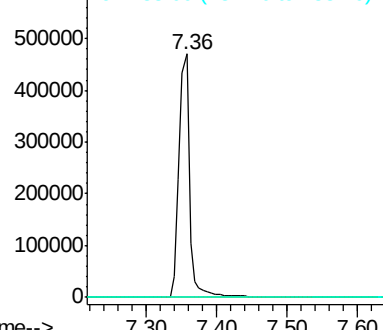
82 100

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: 9.82 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

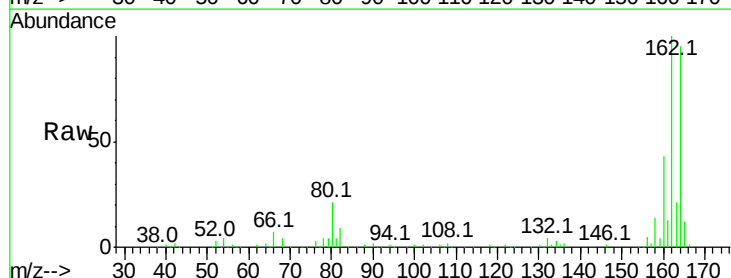
Tgt Ion:164 Resp: 161587

Ion Ratio Lower Upper

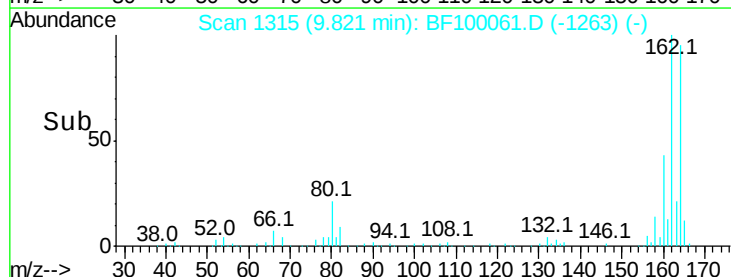
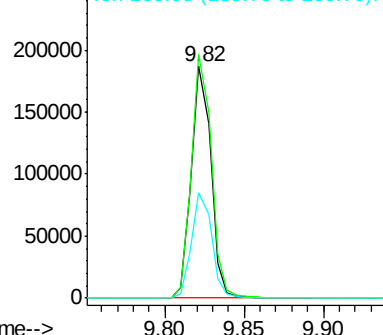
164 100

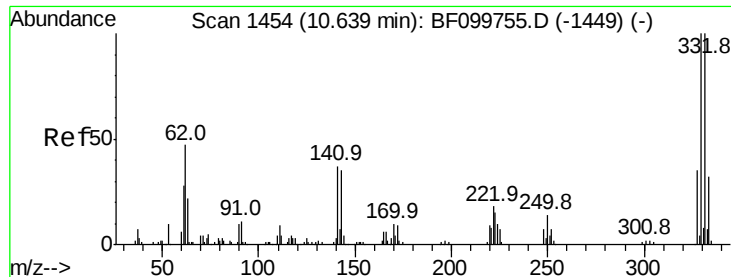
162 105.1 86.1 129.1

160 45.6 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

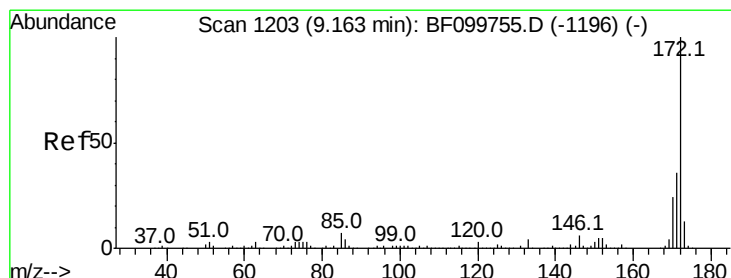
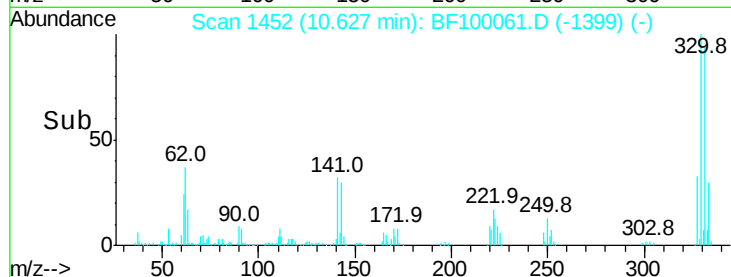
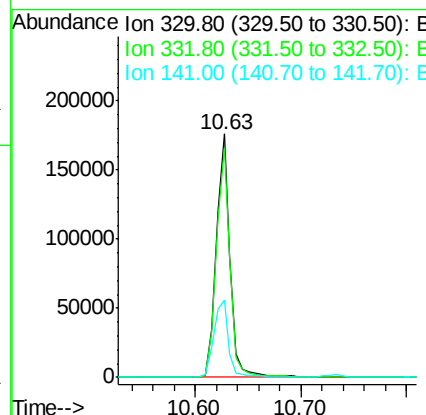
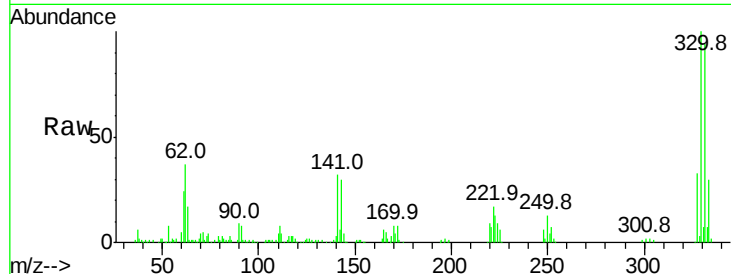




#41
 2,4,6-Tribromophenol
 Concen: 110.050 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100061.D
 Acq: 1 Nov 2017 22:53

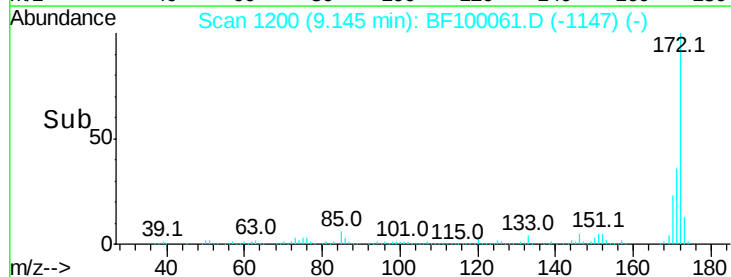
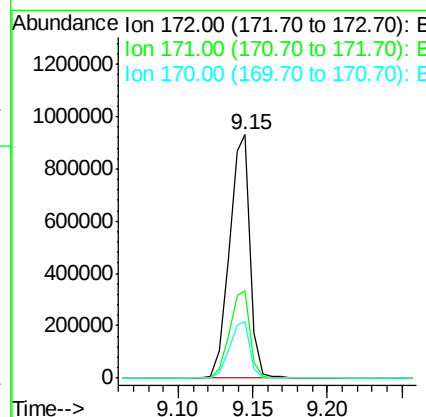
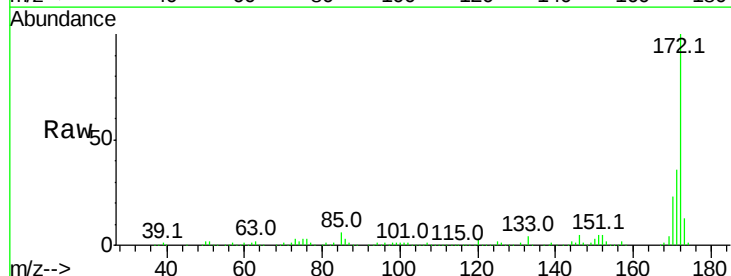
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	34.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 86.589 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF100061.D
 Acq: 1 Nov 2017 22:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.5	19.6	29.4





#49

Dimethylphthalate

Concen: 12.793 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Instrument :

BNA_F

ClientSampled :

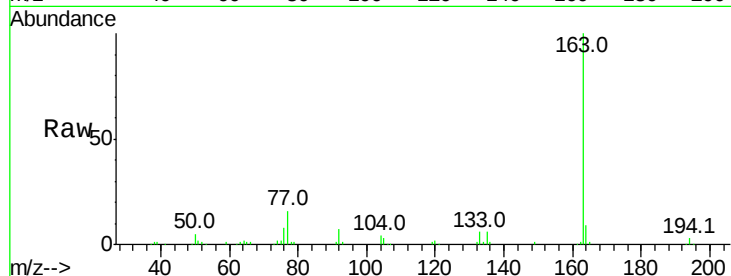
Tot Ion:163 Resp: 163705

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

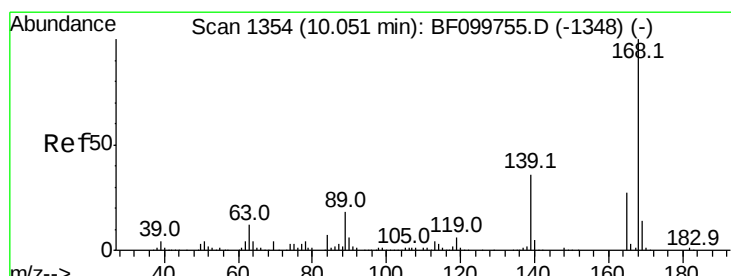
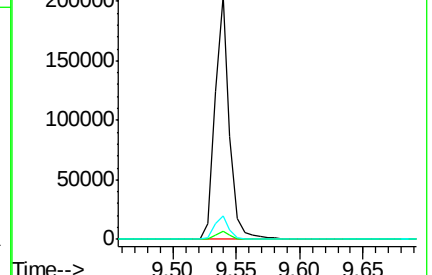
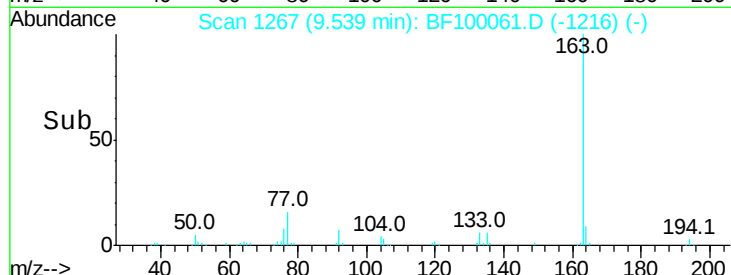
164 9.5 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.496 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.21 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Tgt Ion:165 Resp: 21045

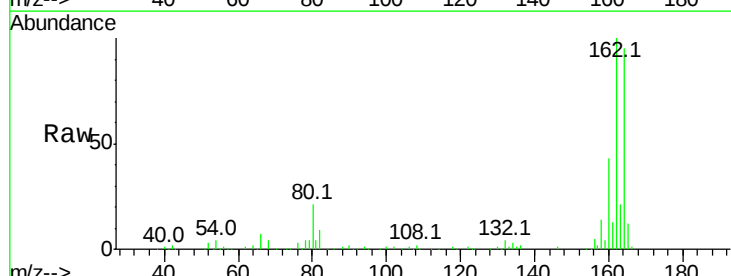
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

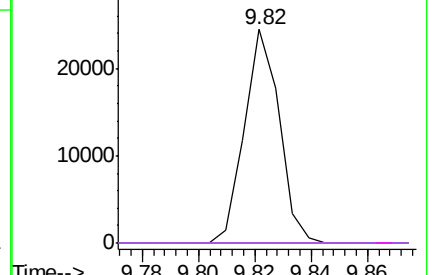
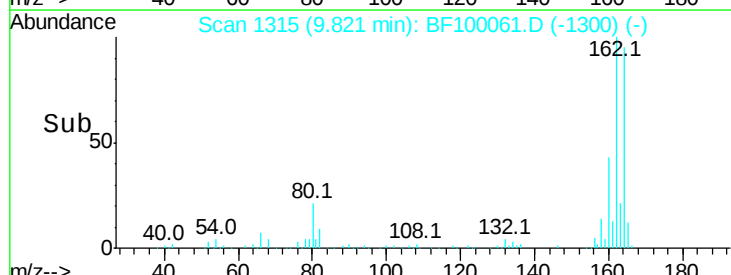


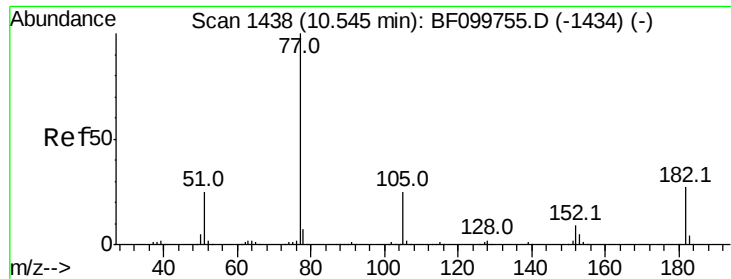
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 4.073 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.02 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 42663

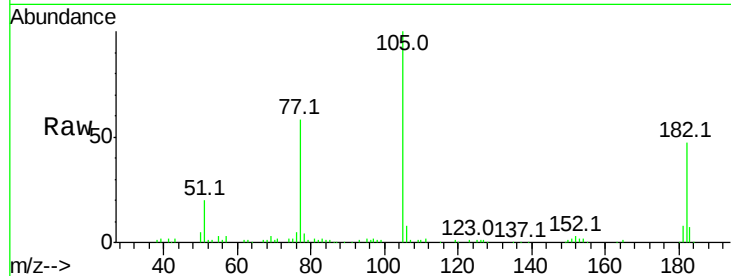
Ion Ratio Lower Upper

77 100

182 81.6 1.7 41.7#

105 173.9 3.0 43.0#

51 34.5 9.9 49.9

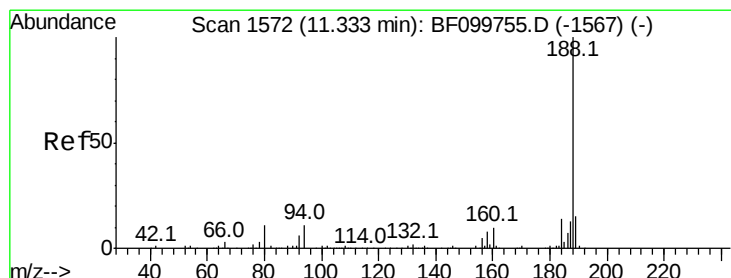
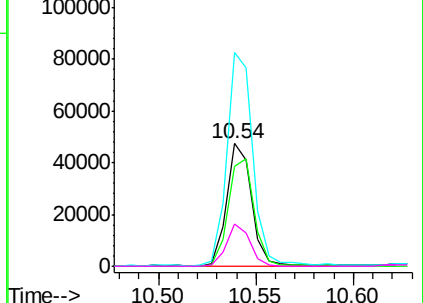
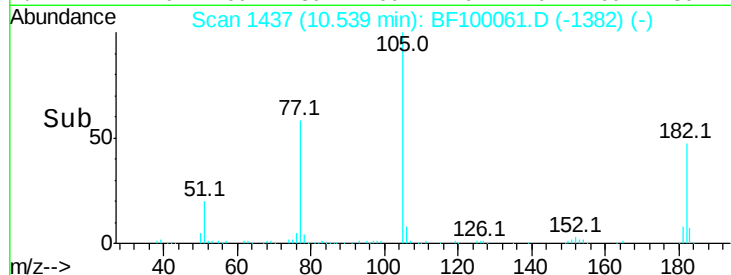


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.04 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

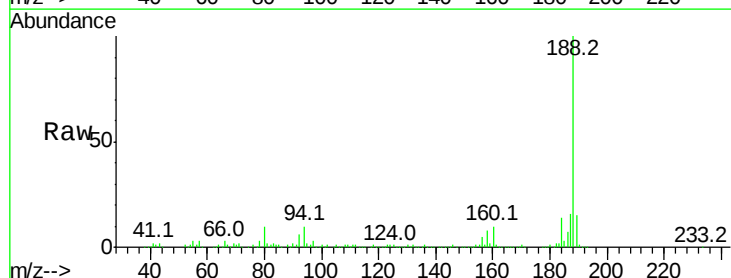
Tgt Ion: 188 Resp: 239636

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

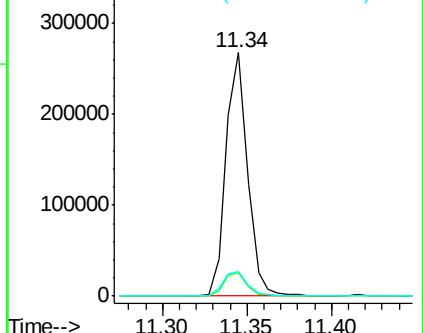
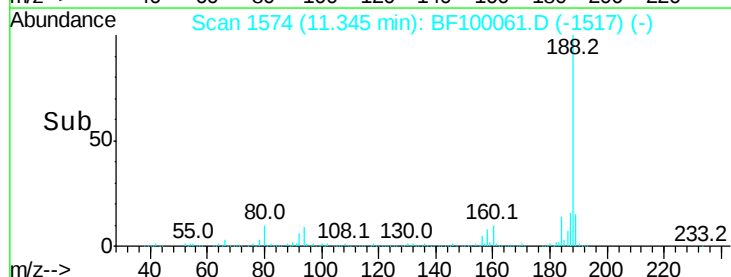
80 10.2 9.2 13.8

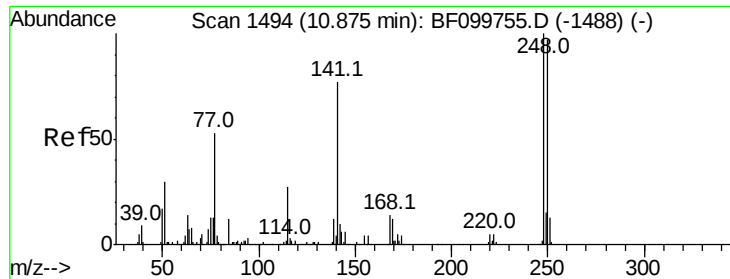


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

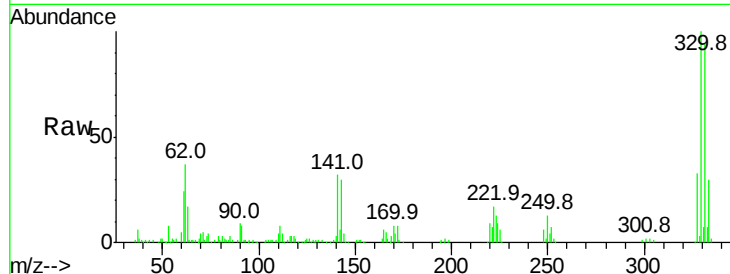




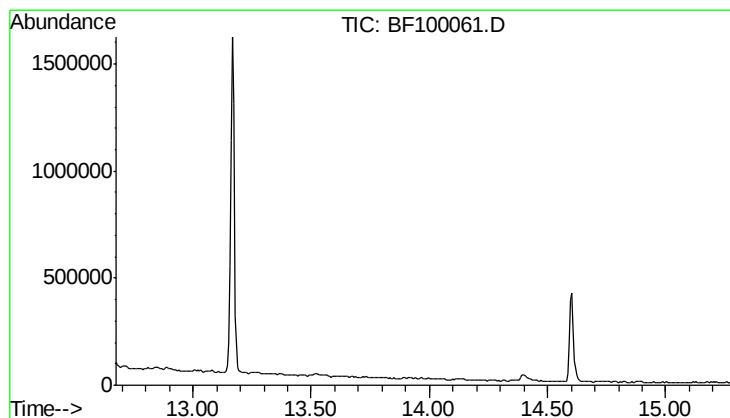
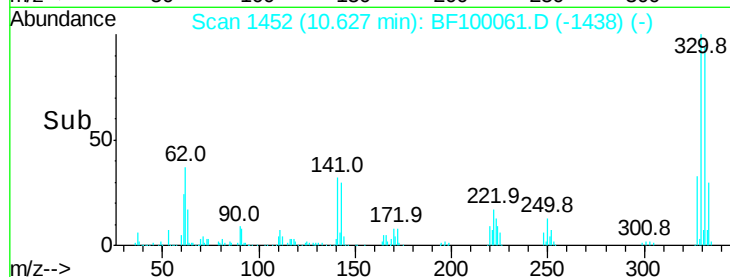
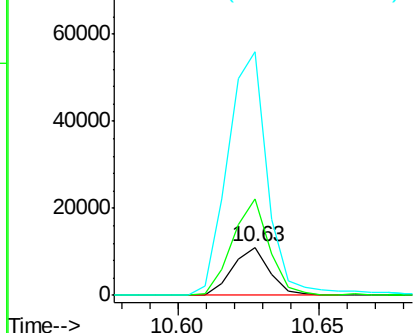
#66
 4-Bromophenyl-phenylether
 Concen: 3.952 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.22 min
 Lab File: BF100061.D
 Acq: 1 Nov 2017 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 248 Resp: 9969
 Ion Ratio Lower Upper
 248 100
 250 200.0 76.9 115.3#
 141 505.6 74.4 111.6#

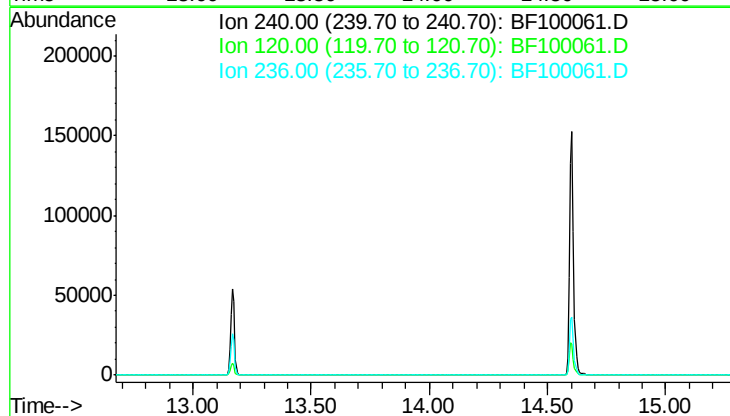


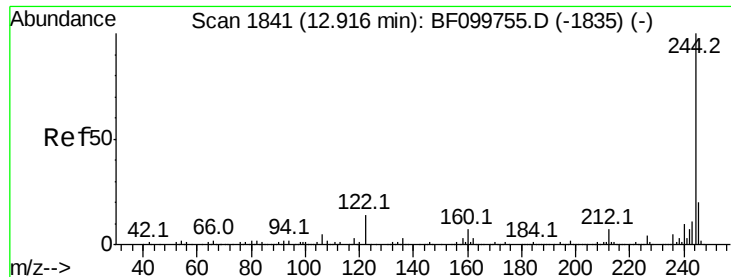
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



#75
 Chrysene-d12
 Concen: 0.000 ng
 Expected RT: 13.97 min
 Lab File: BF100061.D
 Acq: 1 Nov 2017 22:53

Tgt Ion: 240
 Sig Exp Ratio
 240 100
 120 11.9
 236 25.9





#78

Terphenyl-d14

Concen: 0.000 ng

RT: 13.17 min Scan# 1884

Delta R.T. 0.27 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Instrument :

BNA_F

ClientSampleId :

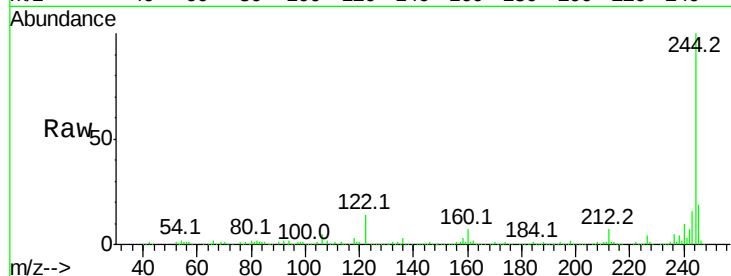
Tot Ion:244 Resp: 563987

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

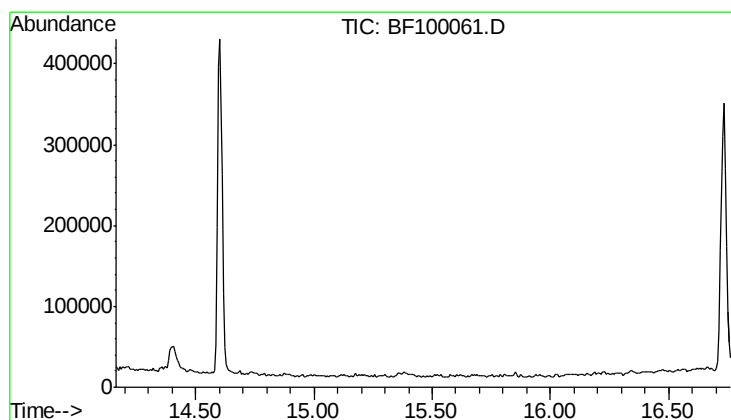
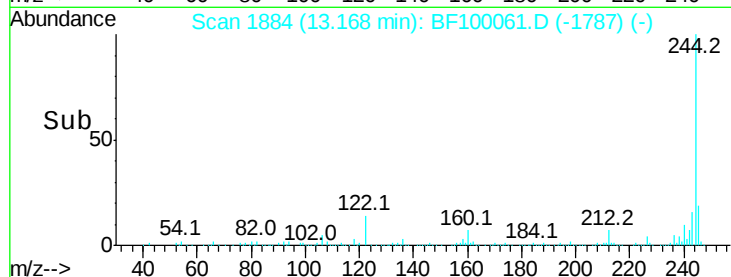
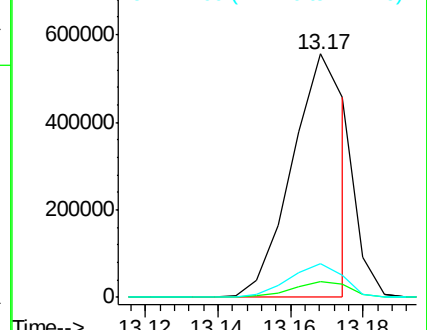
122 14.0 11.0 16.4



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

Perylene-d12

Concen: 0.000 ng

Expected RT: 15.46 min

Lab File: BF100061.D

Acq: 1 Nov 2017 22:53

Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.0

265 21.9

