

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101209.D
 Acq On : 7 Dec 2017 17:03
 Operator : SJ/JU
 Sample : I6765-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 19:24:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

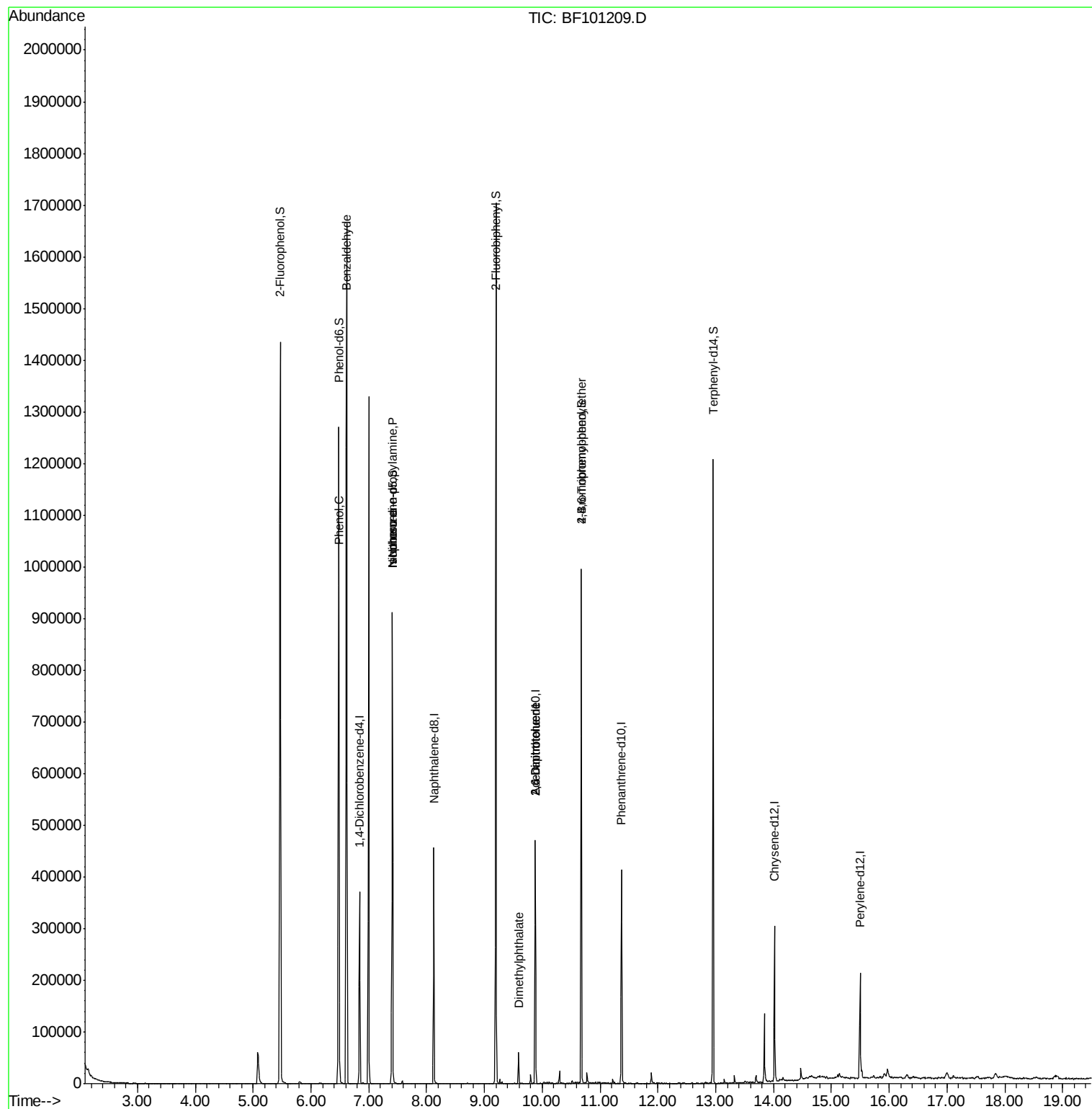
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	51229	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	198446	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	85037	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	145463	20.00	ng	0.00
75) Chrysene-d12	14.02	240	111434	20.00	ng	0.00
86) Perylene-d12	15.50	264	98848	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	421710	136.03	ng	0.00
7) Phenol-d6	6.48	99	513386	136.40	ng	0.00
23) Nitrobenzene-d5	7.41	82	304296	91.47	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	120495	117.95	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	567182	91.26	ng	-0.01
78) Terphenyl-d14	12.96	244	407921	80.07	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	9288	4.032	ng	81
10) Phenol	6.49	94	20555	4.911	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	40206	15.861	ng	# 82
25) Isophorone	7.41	82	304292	53.551	ng	# 64
49) Dimethylphthalate	9.59	163	24424	3.561	ng	99
50) 2,6-Dinitrotoluene	9.88	165	11128	7.704	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	11128	5.748	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	7427	4.561	ng	# 1

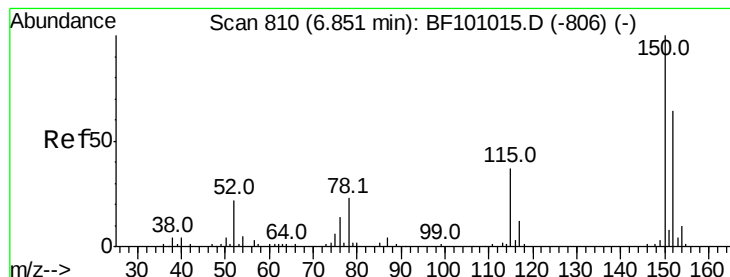
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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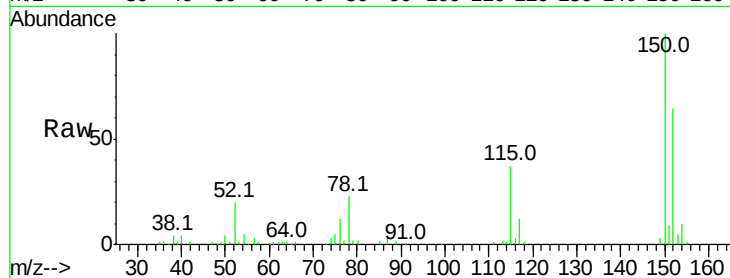


#1

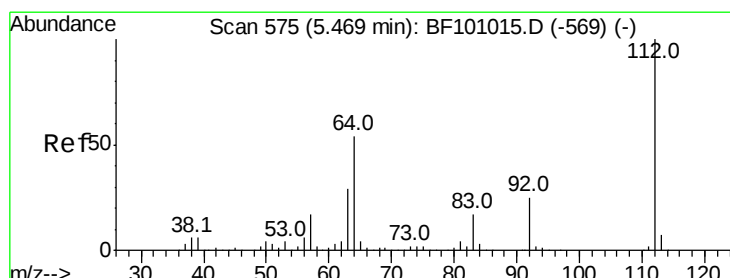
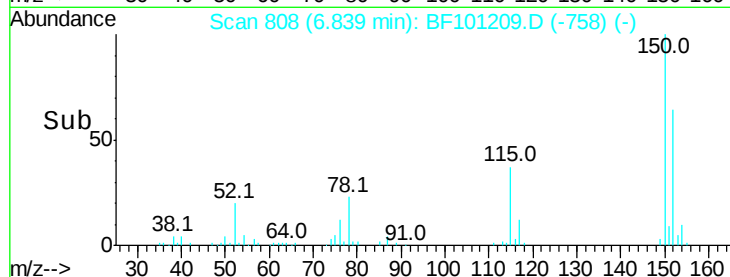
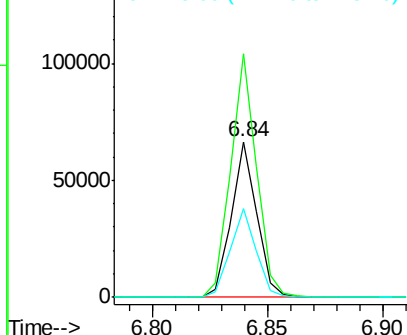
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101209.D
Acq: 7 Dec 2017 17:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 51229
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 57.5 50.1 75.1



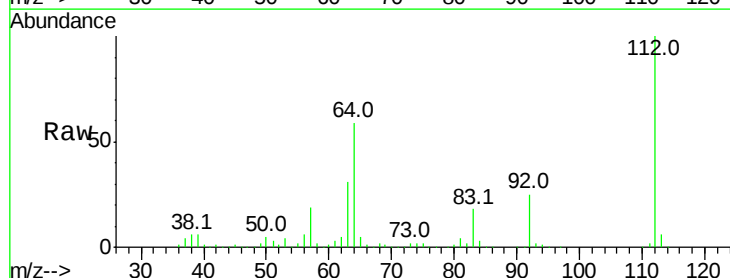
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



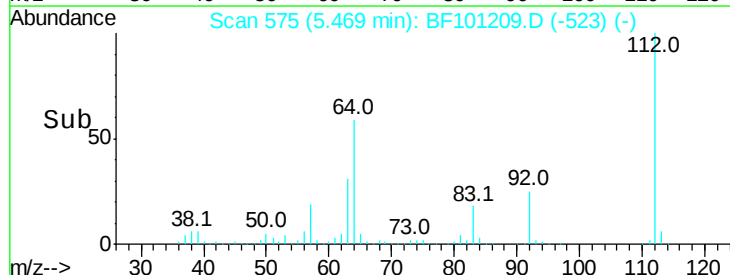
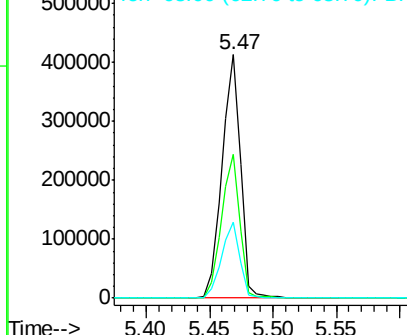
#5

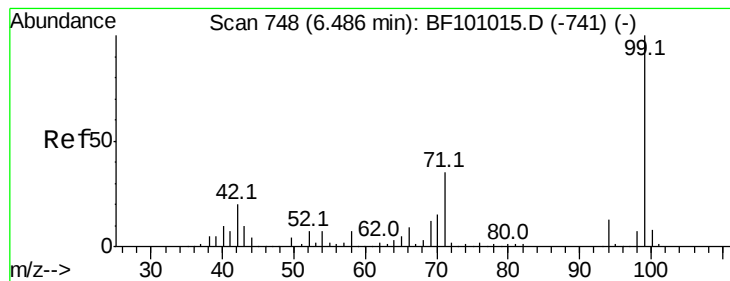
2-Fluorophenol
Concen: 136.027 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101209.D
Acq: 7 Dec 2017 17:03

Tgt Ion:112 Resp: 421710
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 31.0 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: 136.396 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Instrument :

BNA_F

ClientSampled :

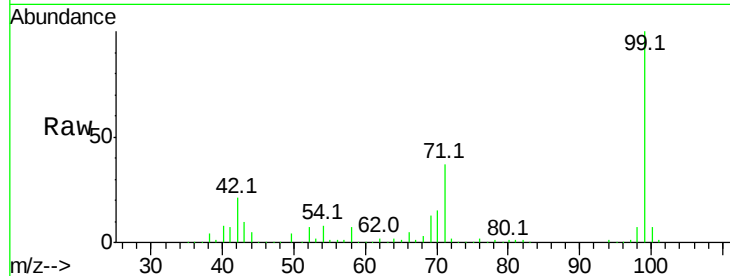
Tot Ion: 99 Resp: 513386

Ion Ratio Lower Upper

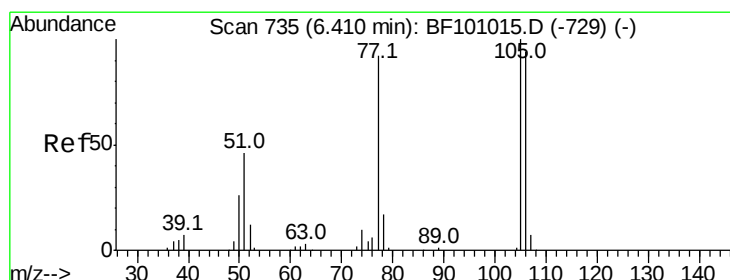
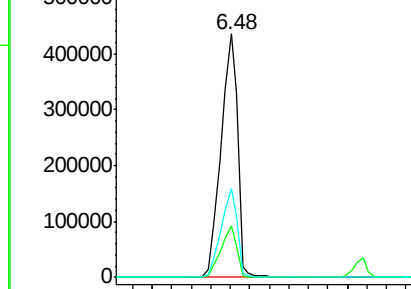
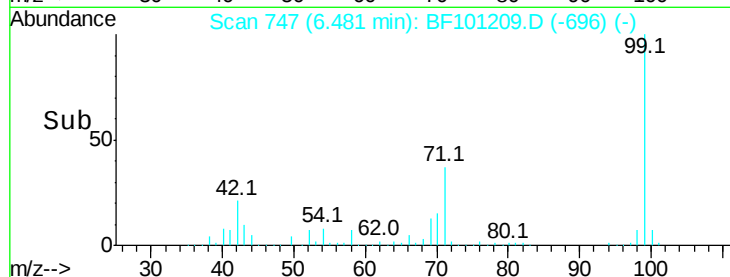
99 100

42 21.1 14.5 21.7

71 36.6 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: 4.032 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

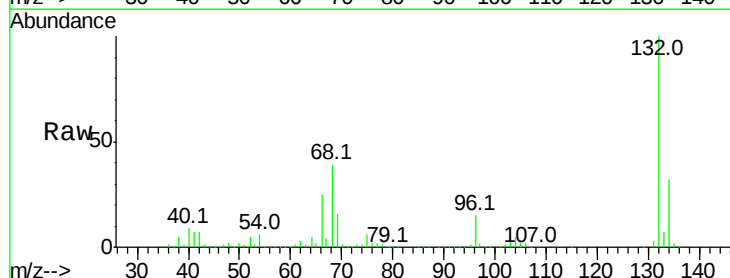
Tgt Ion: 77 Resp: 9288

Ion Ratio Lower Upper

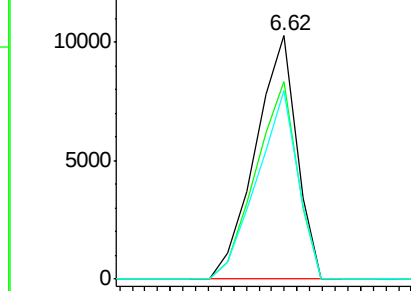
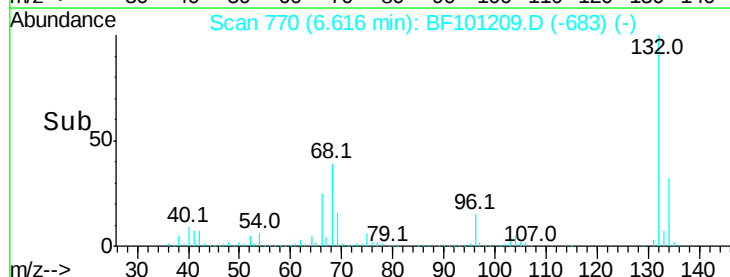
77 100

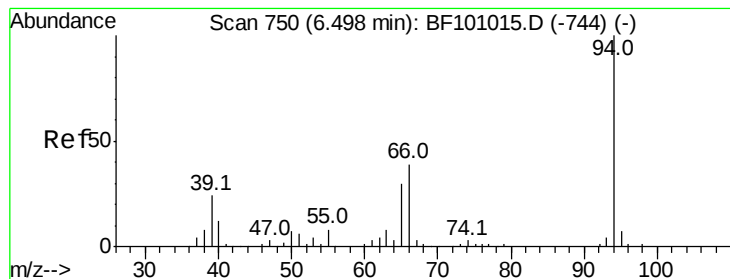
105 81.4 81.1 121.1

106 77.3 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: 4.911 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Instrument :

BNA_F

ClientSampleId :

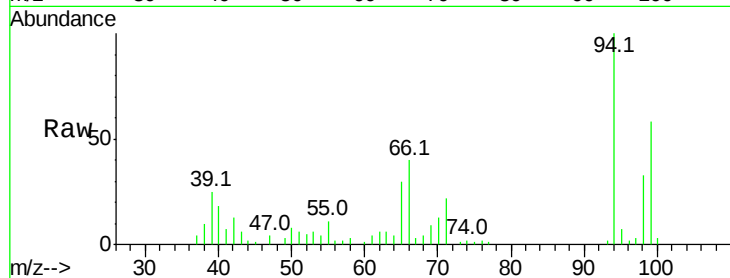
Tot Ion: 94 Resp: 20555

Ion Ratio Lower Upper

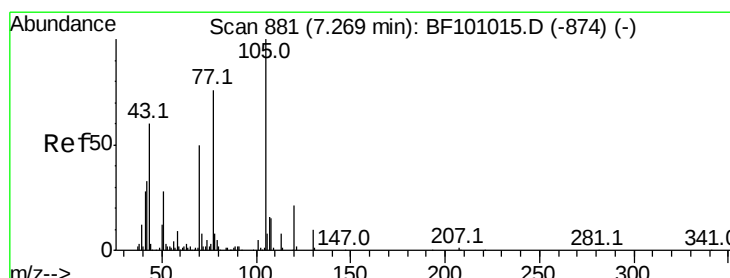
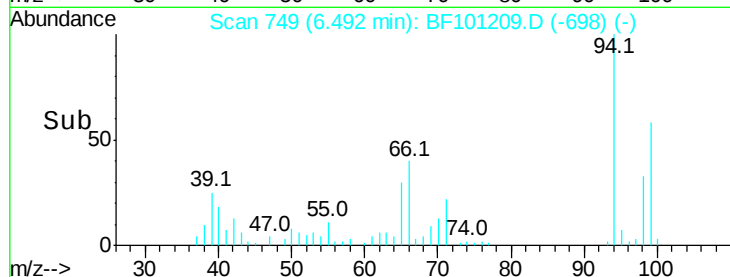
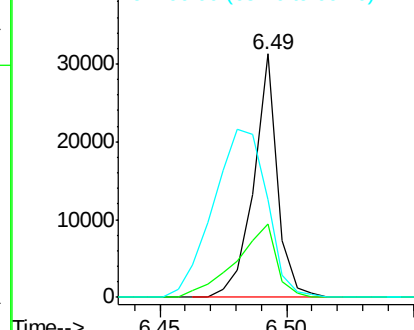
94 100

65 30.3 7.9 47.9

66 40.2 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: 15.861 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Tgt Ion: 70 Resp: 40206

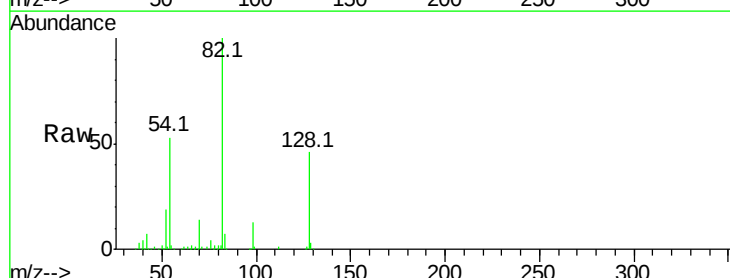
Ion Ratio Lower Upper

70 100

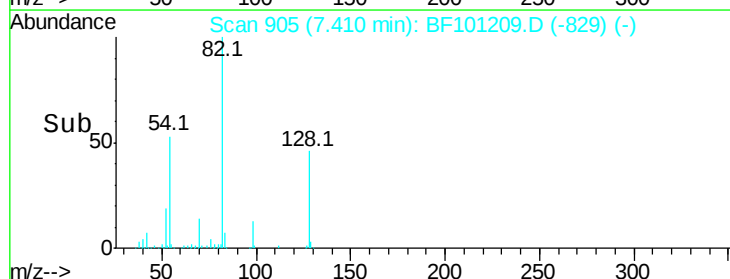
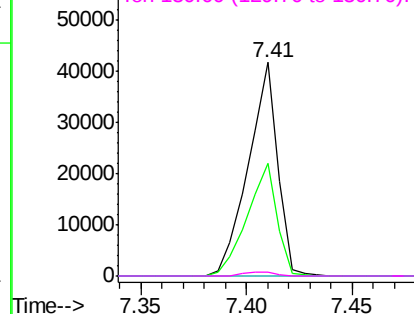
42 52.5 47.5 71.3

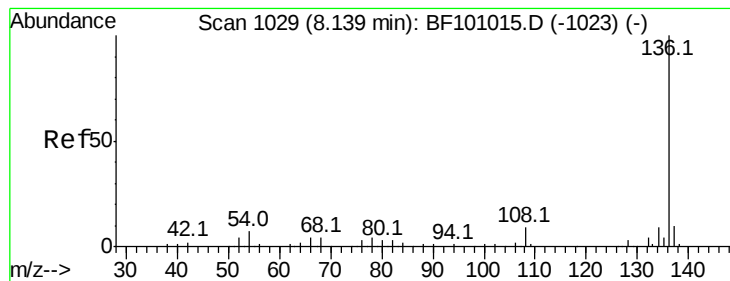
101 0.0 7.4 11.2#

130 1.7 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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 198446

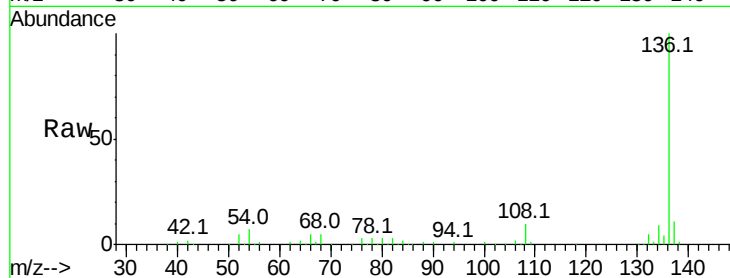
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.6 9.8

68 4.7 5.0 7.4#

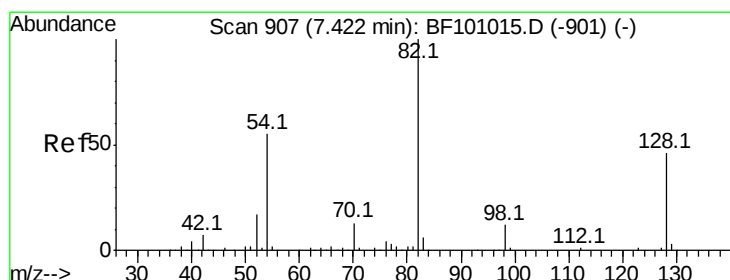
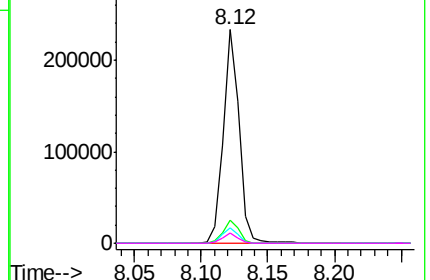
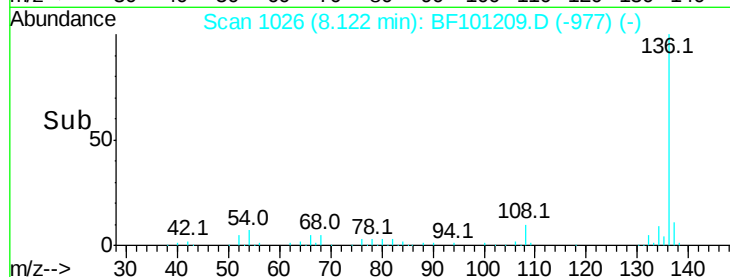


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.472 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

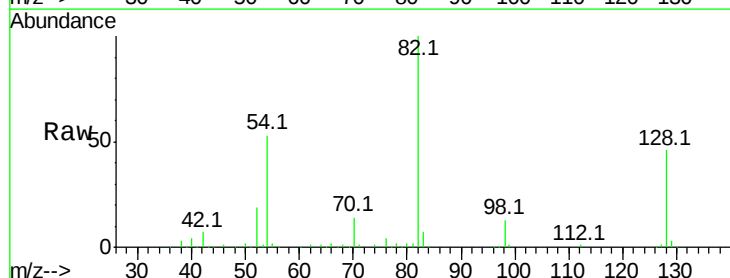
Tgt Ion: 82 Resp: 304296

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

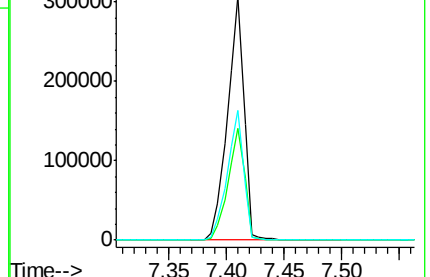
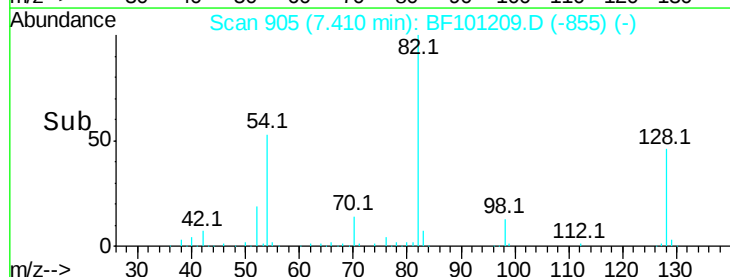
54 53.1 41.4 62.2

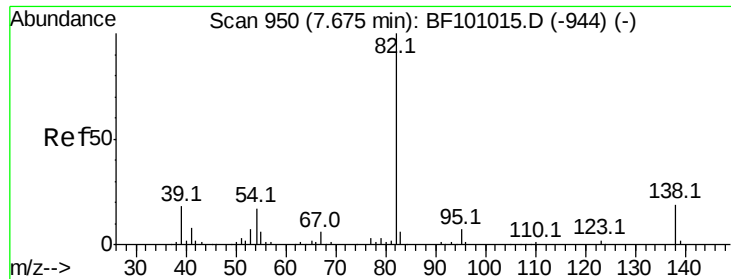


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.551 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Instrument :

BNA_F

ClientSampleId :

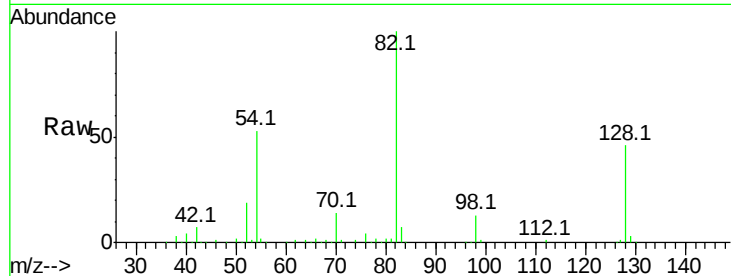
Tot Ion: 82 Resp: 304292

Ion Ratio Lower Upper

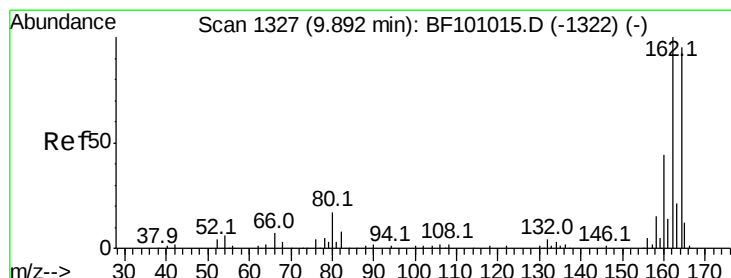
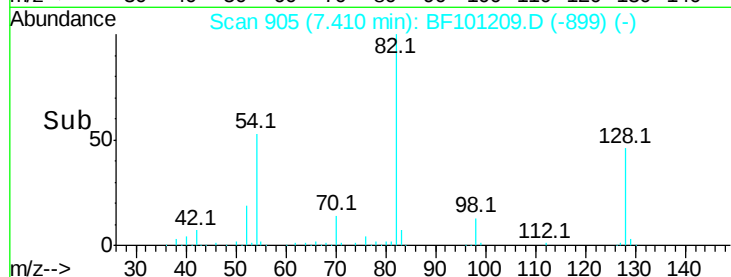
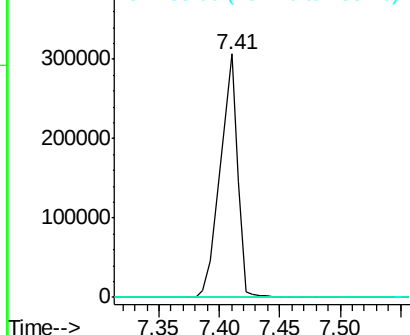
82 100

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

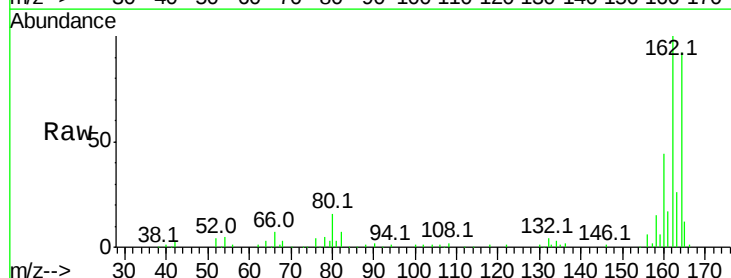
Tgt Ion:164 Resp: 85037

Ion Ratio Lower Upper

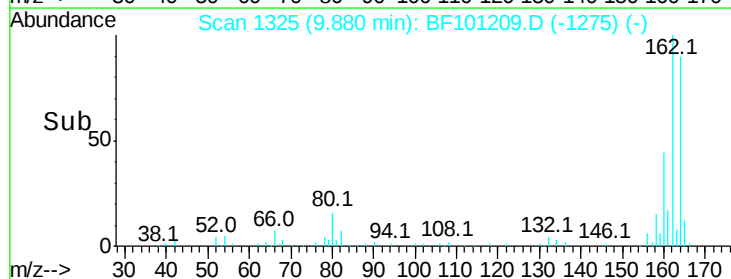
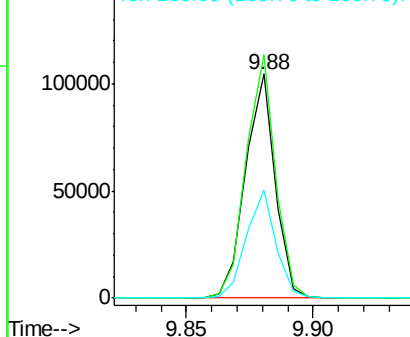
164 100

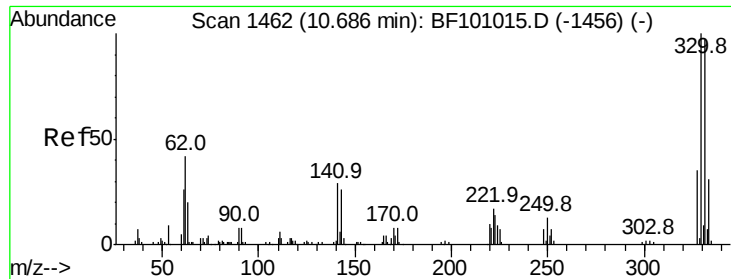
162 108.6 86.1 129.1

160 47.8 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

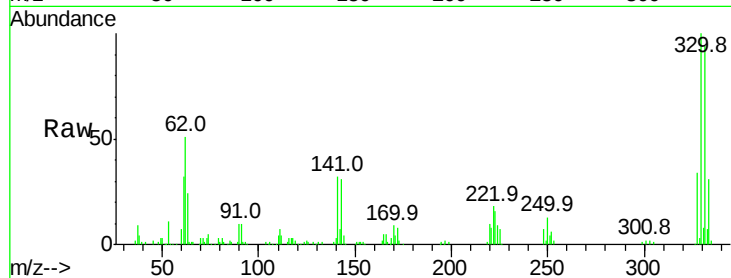




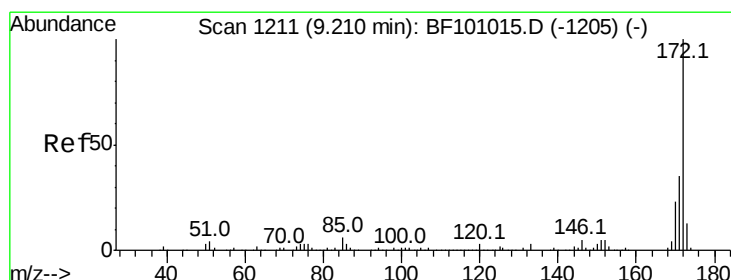
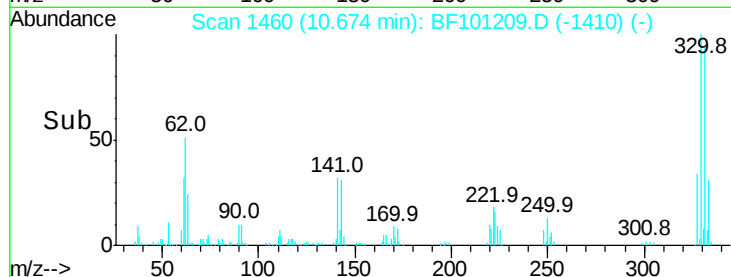
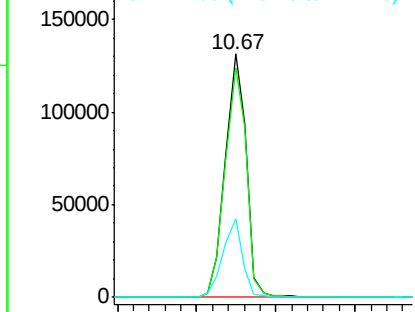
#41
 2,4,6-Tribromophenol
 Concen: 117.955 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101209.D
 Acq: 7 Dec 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	30.2	29.9	44.9

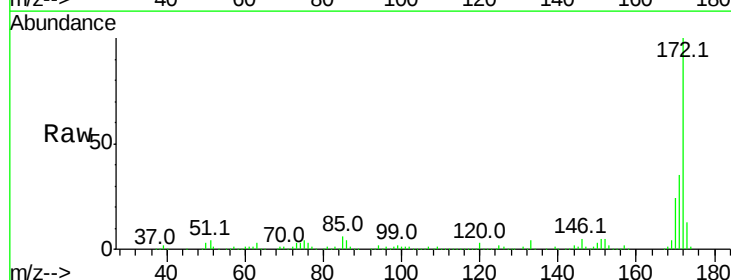


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

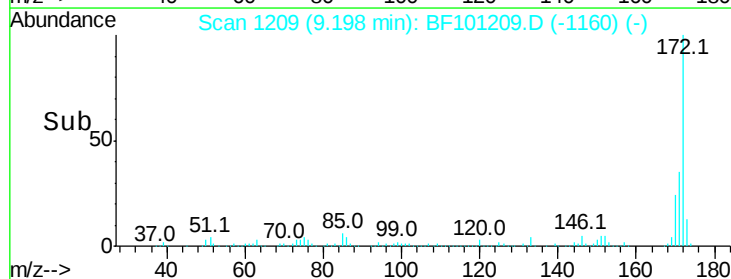
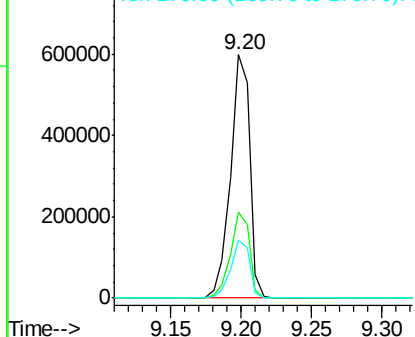


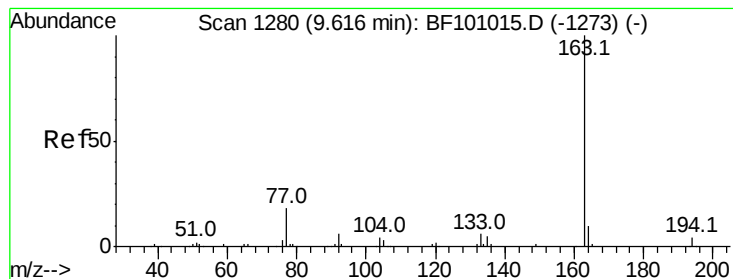
#44
 2-Fluorobiphenyl
 Concen: 91.256 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101209.D
 Acq: 7 Dec 2017 17:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	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: 3.561 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Instrument :

BNA_F

ClientSampleId :

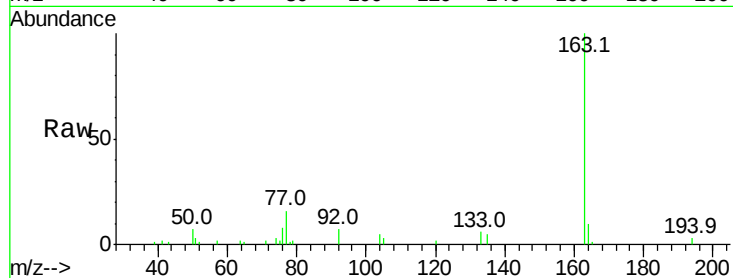
Tot Ion:163 Resp: 24424

Ion Ratio Lower Upper

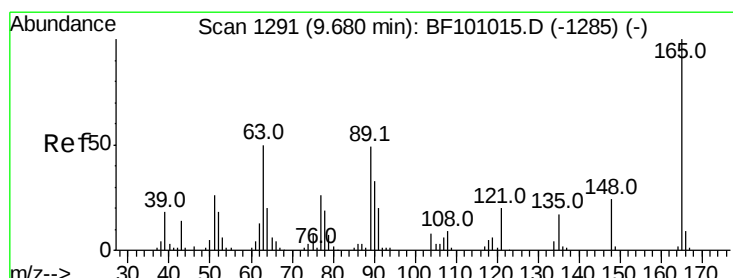
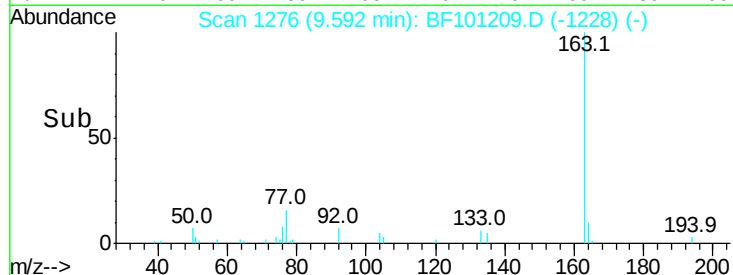
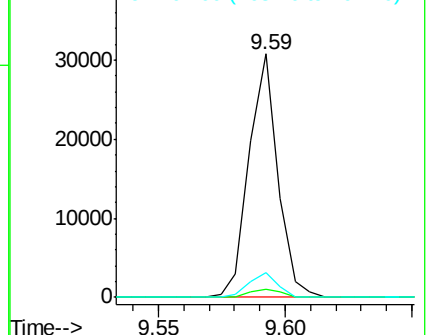
163 100

194 3.1 2.7 4.1

164 10.4 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: 7.704 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

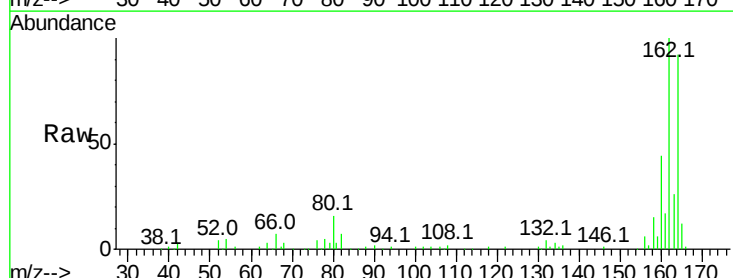
Tgt Ion:165 Resp: 11128

Ion Ratio Lower Upper

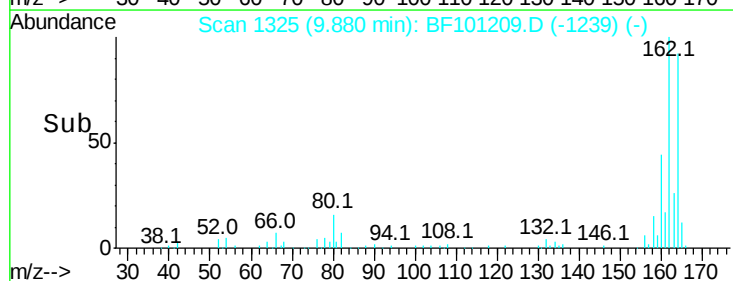
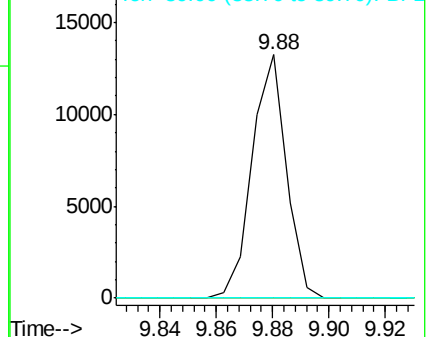
165 100

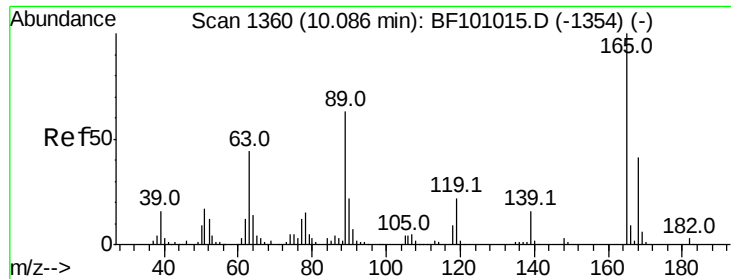
63 0.0 44.7 67.1#

89 0.0 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

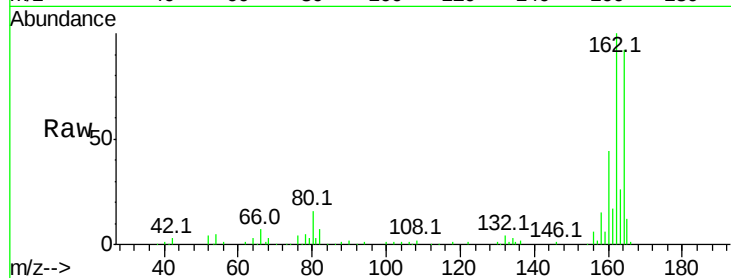




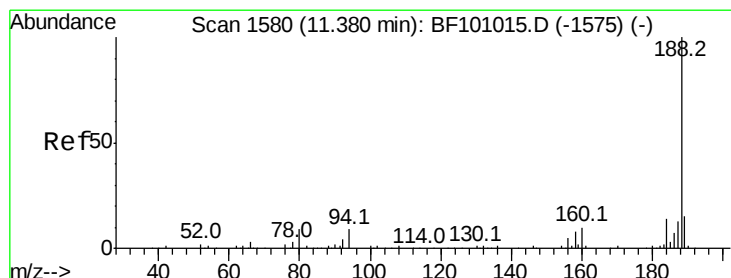
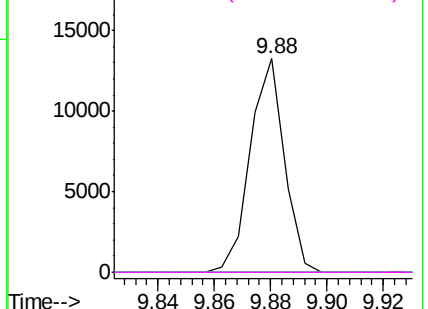
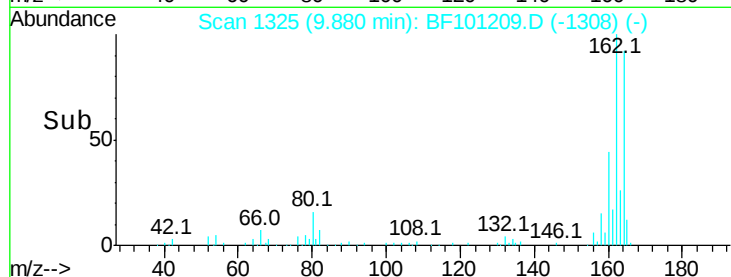
#56
 2,4-Dinitrotoluene
 Concen: 5.748 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101209.D
 Acq: 7 Dec 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11128
 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#

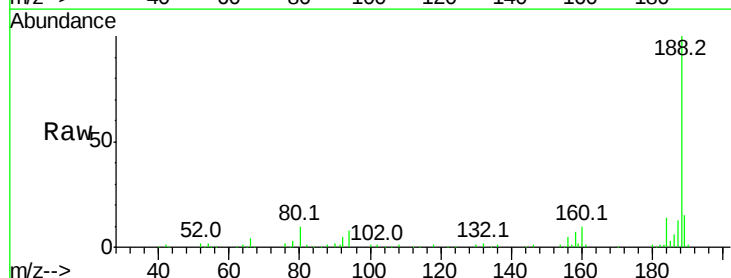


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

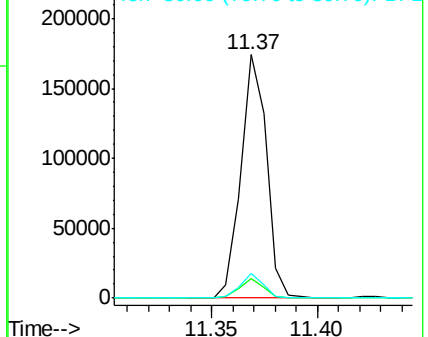
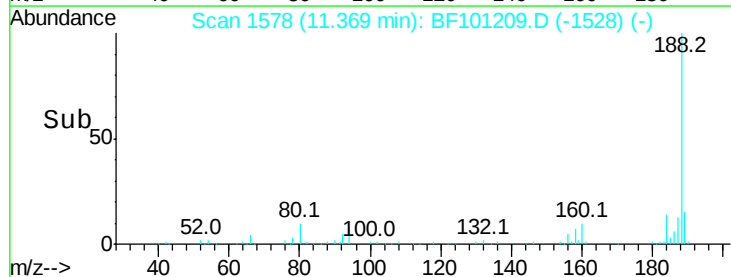


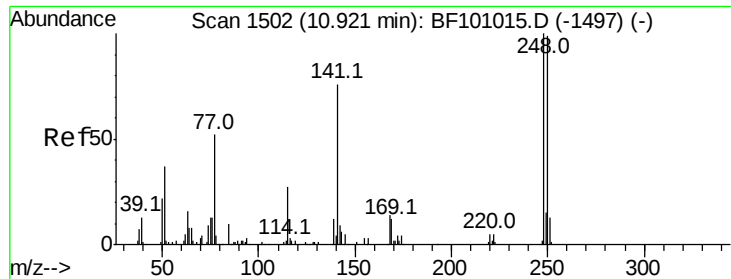
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF101209.D
 Acq: 7 Dec 2017 17:03

Tgt Ion:188 Resp: 145463
 Ion Ratio Lower Upper
 188 100
 94 8.3 8.5 12.7#
 80 10.0 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

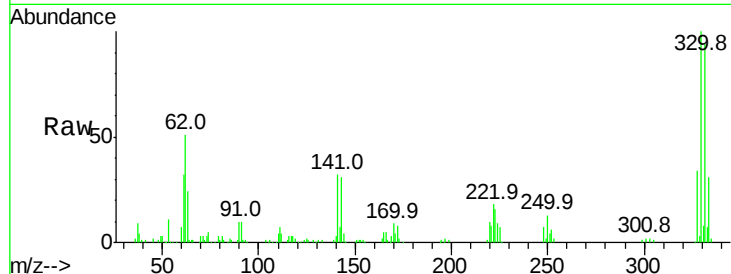




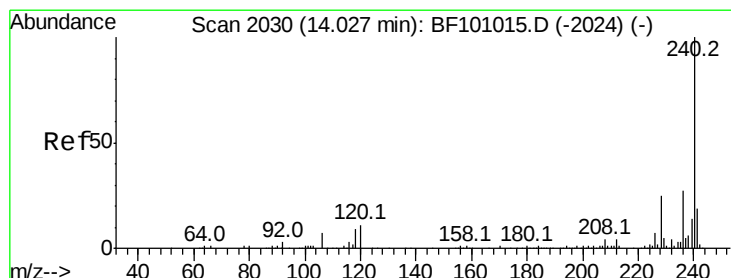
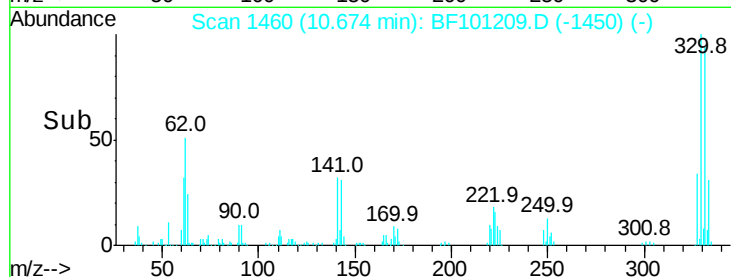
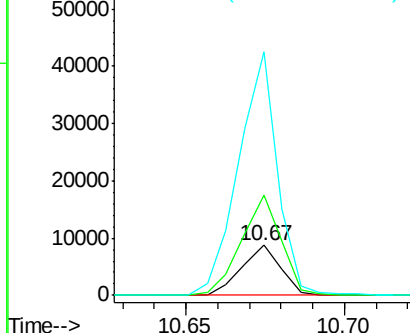
#66
 4-Bromophenyl-phenylether
 Concen: 4.561 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101209.D
 Acq: 7 Dec 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7427
 Ion Ratio Lower Upper
 248 100
 250 199.6 76.9 115.3#
 141 485.0 74.4 111.6#

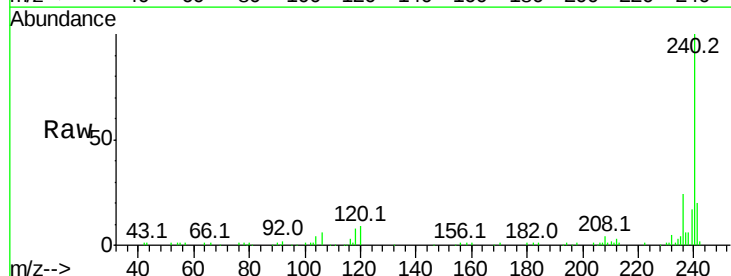


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

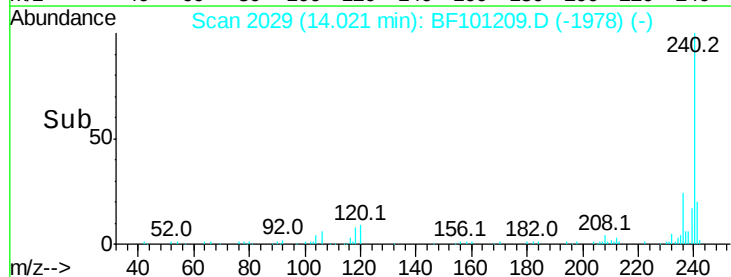
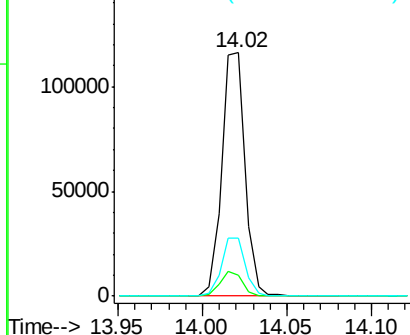


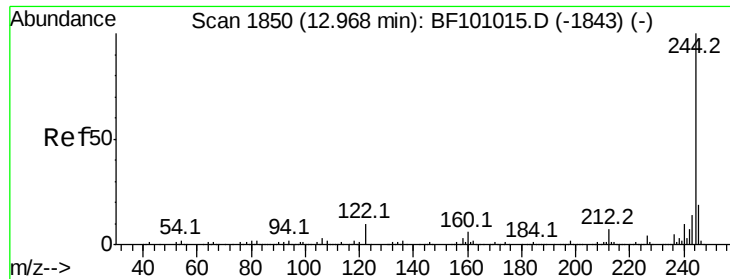
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF101209.D
 Acq: 7 Dec 2017 17:03

Tgt Ion:240 Resp: 111434
 Ion Ratio Lower Upper
 240 100
 120 8.8 9.5 14.3#
 236 23.8 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: 80.068 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

Instrument :

BNA_F

ClientSampleId :

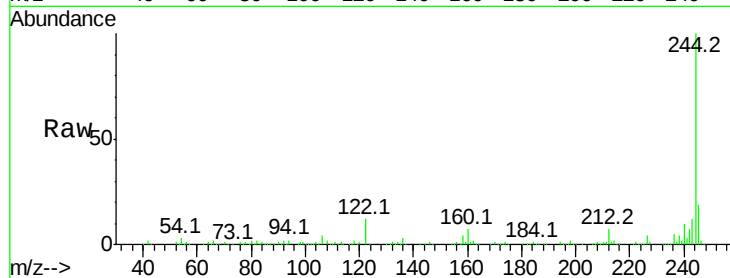
Tot Ion:244 Resp: 407921

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

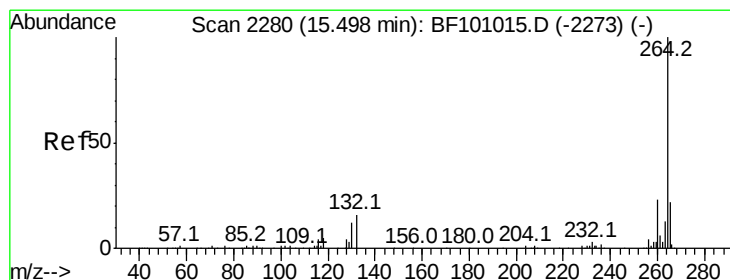
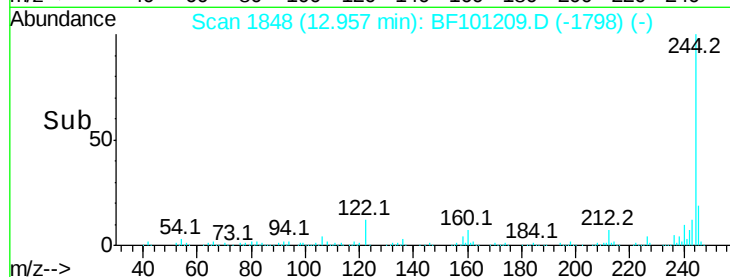
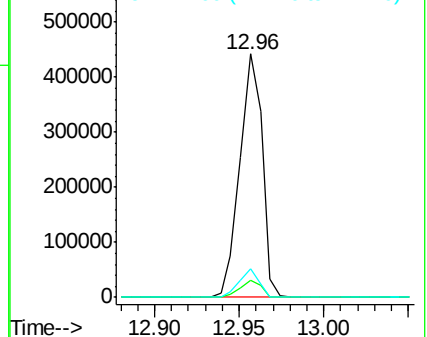
122 11.5 11.0 16.4



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: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101209.D

Acq: 7 Dec 2017 17:03

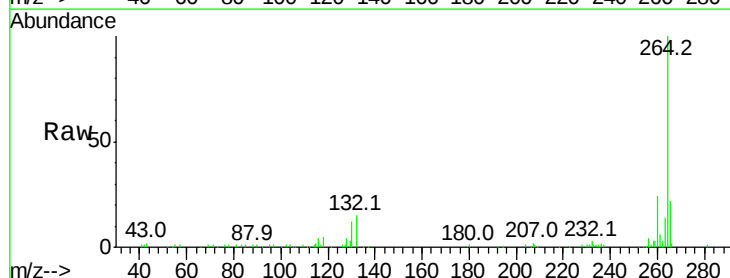
Tgt Ion:264 Resp: 98848

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.1 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

