

Data File : BF100446.D
Acq On : 11 Nov 2017 17:44
Operator : SJ/JU
Sample : I6409-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH=110917-02-FREEZE-PIT

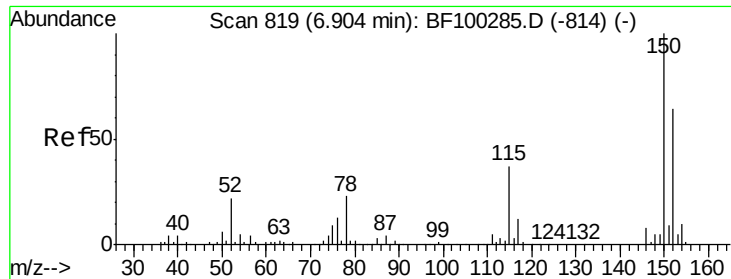
Quant Time: Nov 13 01:10:38 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	150512	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	534746	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	204864	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	330157	20.00	ng	0.00
75) Chrysene-d12	14.07	240	320795	20.00	ng	0.00
86) Perylene-d12	15.55	264	226648	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	474203	50.50	ng	0.00
7) Phenol-d6	6.52	99	344595	29.76	ng	0.00
23) Nitrobenzene-d5	7.47	82	849433	105.02	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	217376	104.13	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1360196	101.10	ng	0.00
78) Terphenyl-d14	13.02	244	1083254	77.59	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.53	94	28591	2.35	ng	96
19) n-Nitroso-di-n-propylamine	7.47	70	111044	13.83	ng	# 83
25) Isophorone	7.47	82	845721	49.76	ng	# 64
47) 2-Nitroaniline	9.65	65	119	2.81	ng	# 1
49) Dimethylphthalate	9.65	163	32826	2.10	ng	100
50) 2,6-Dinitrotoluene	9.94	165	25710	8.30	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	25710	6.58	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	502	8.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	13468	3.81	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

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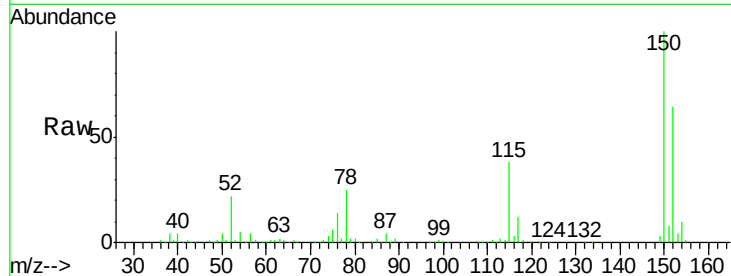
Tgt Ion:152 Resp: 150512

Ion Ratio Lower Upper

152 100

150 156.5 124.6 186.8

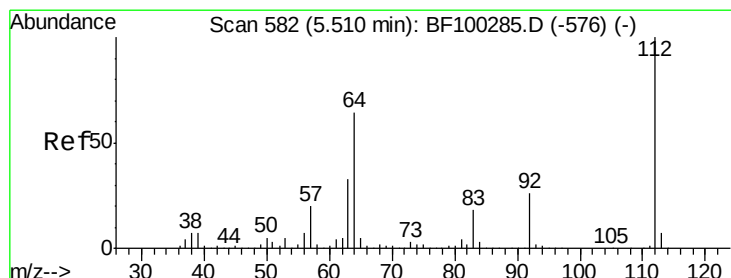
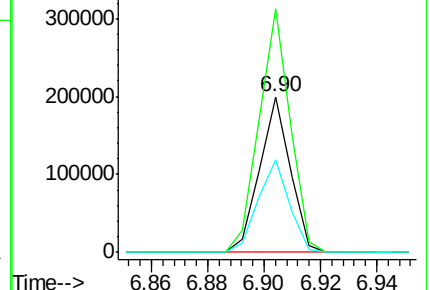
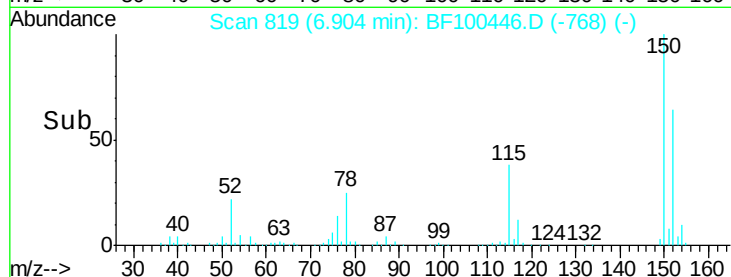
115 59.7 50.1 75.1



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: 50.50 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

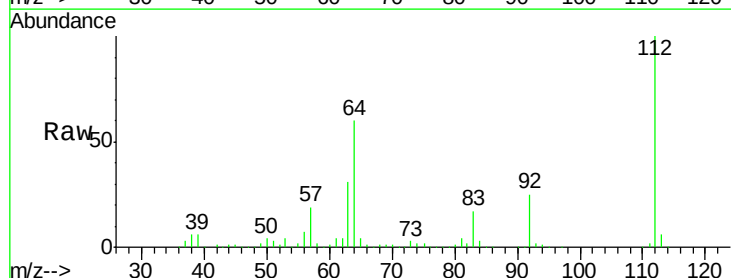
Tgt Ion:112 Resp: 474203

Ion Ratio Lower Upper

112 100

64 59.9 47.9 71.9

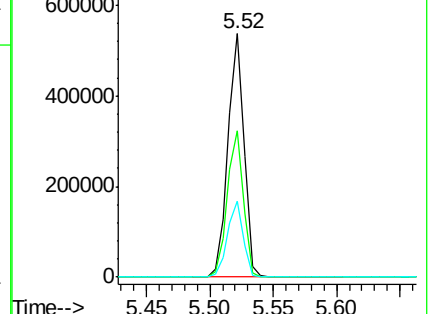
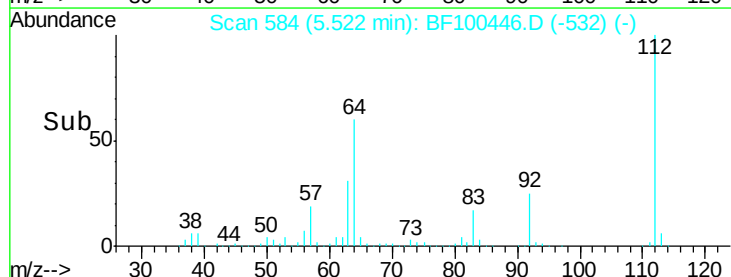
63 31.0 23.7 35.5

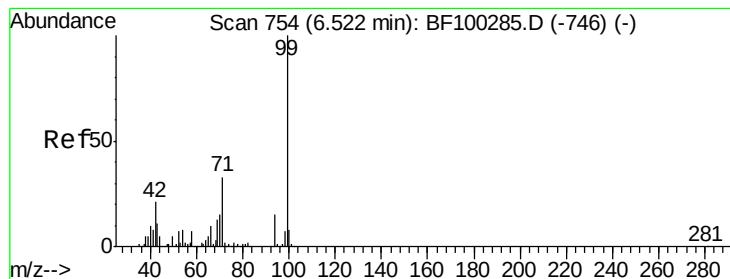


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 29.76 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

Instrument :

BNA_F

ClientSampleId :

MH=110917-02-FREEZE-PIT

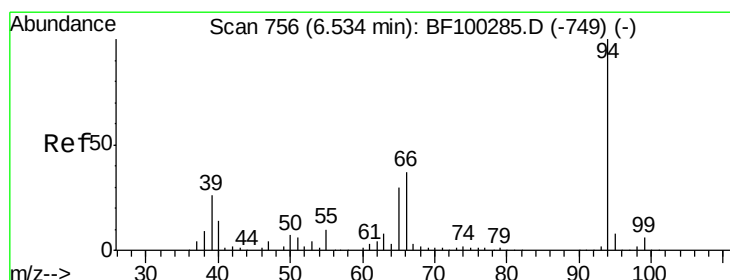
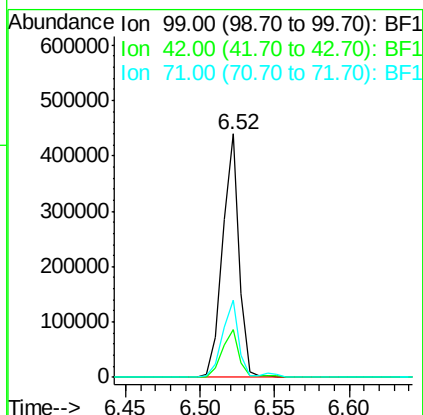
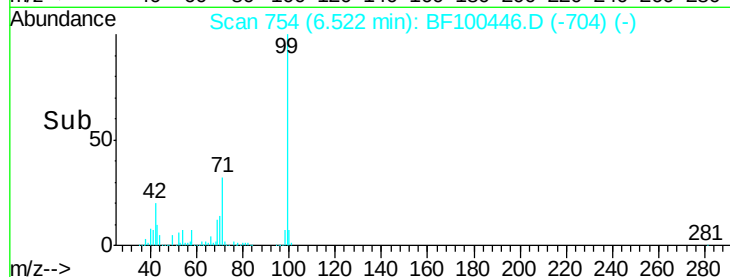
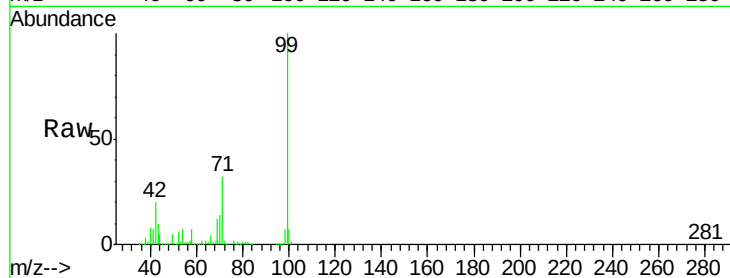
Tgt Ion: 99 Resp: 344595

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 31.9 25.4 38.0



#10

Phenol

Concen: 2.35 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

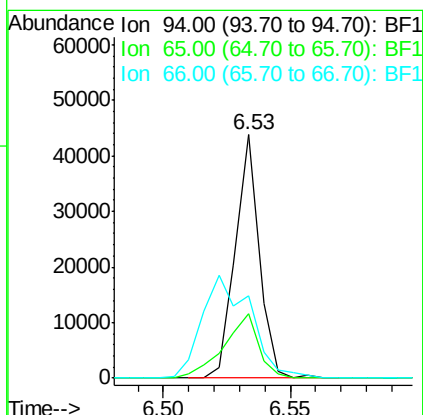
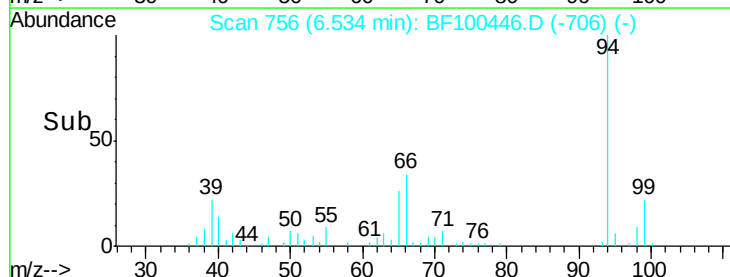
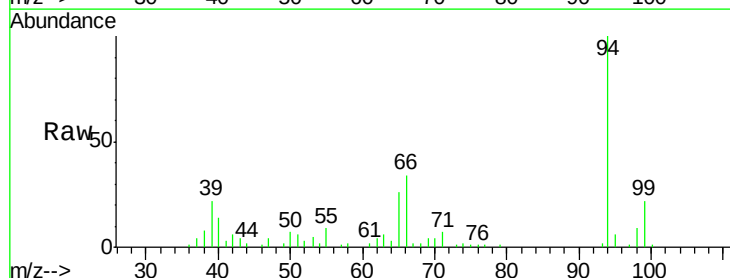
Tgt Ion: 94 Resp: 28591

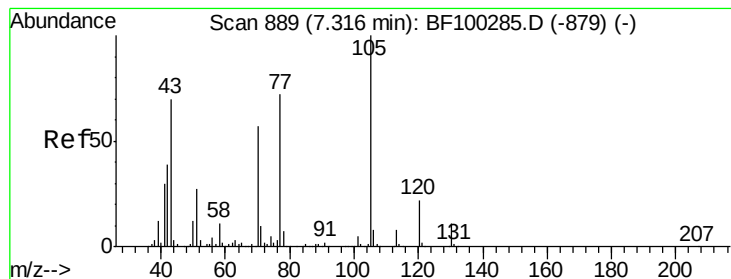
Ion Ratio Lower Upper

94 100

65 26.3 7.9 47.9

66 33.7 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.83 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.15 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

Instrument :

BNA_F

ClientSampleId :

MH=110917-02-FREEZE-PIT

Tgt Ion: 70 Resp: 111044

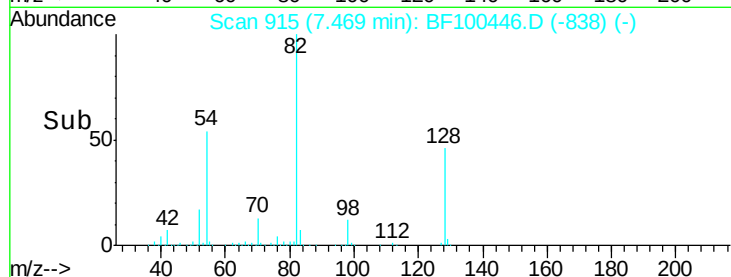
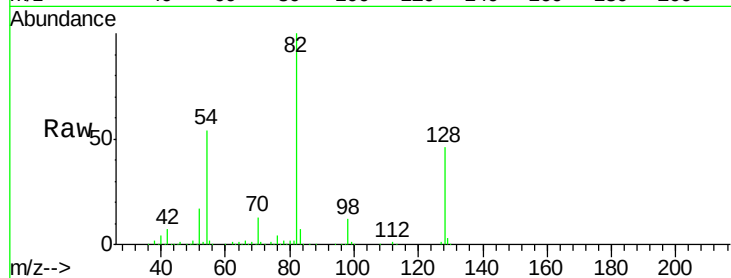
Ion Ratio Lower Upper

70 100

42 54.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

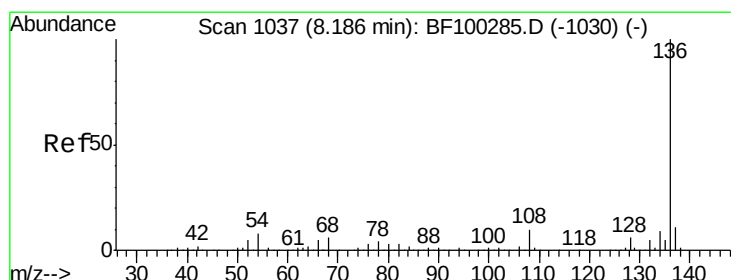
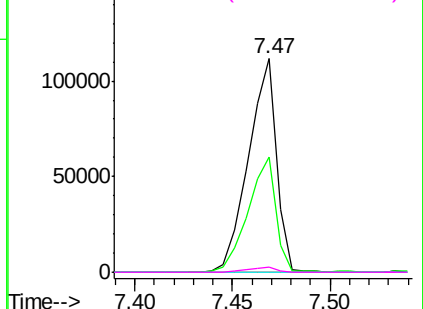


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

Tgt Ion: 136 Resp: 534746

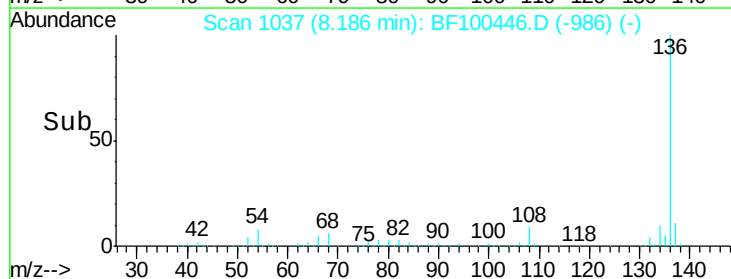
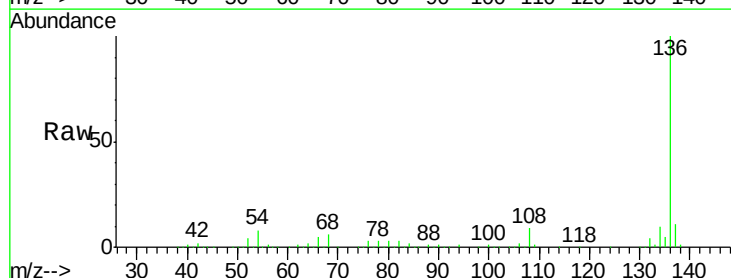
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.1 6.6 9.8

68 6.2 5.0 7.4

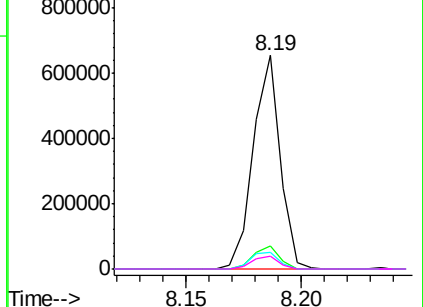


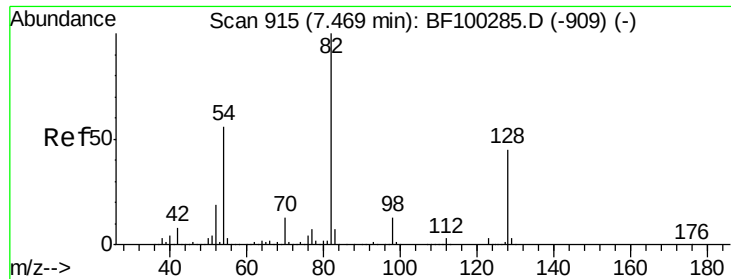
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

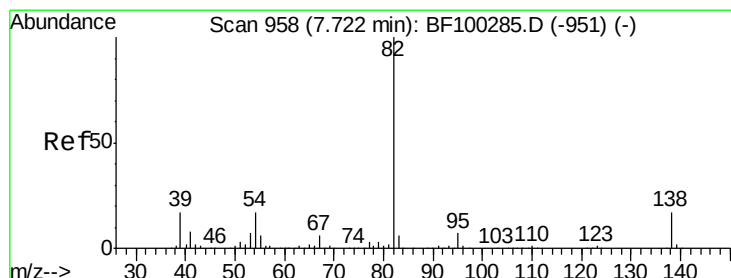
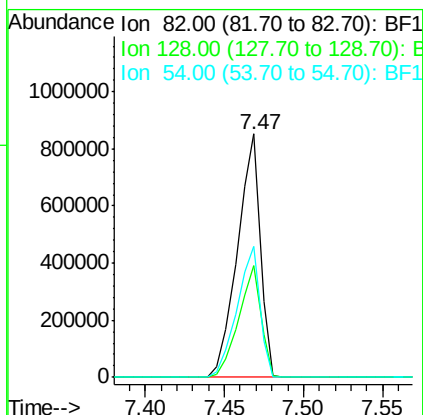
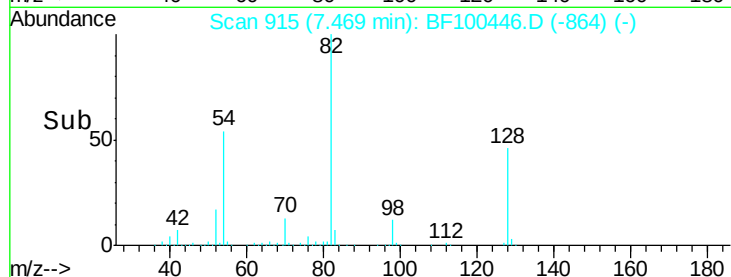
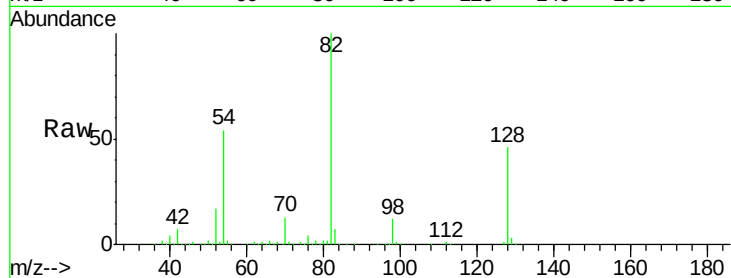




#23
 Nitrobenzene-d5
 Concen: 105.02 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: BF100446.D
 Acq: 11 Nov 2017 17:44

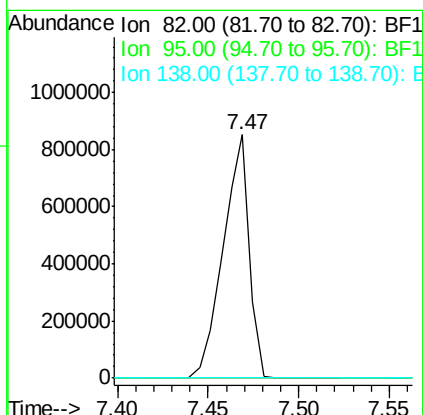
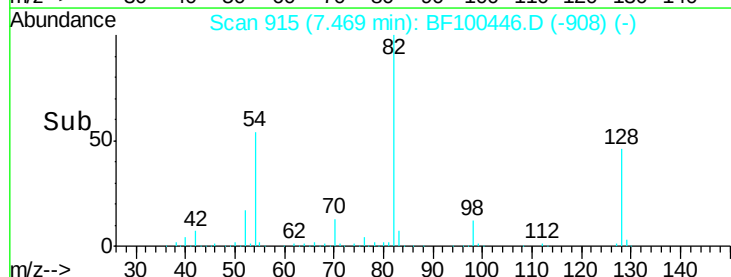
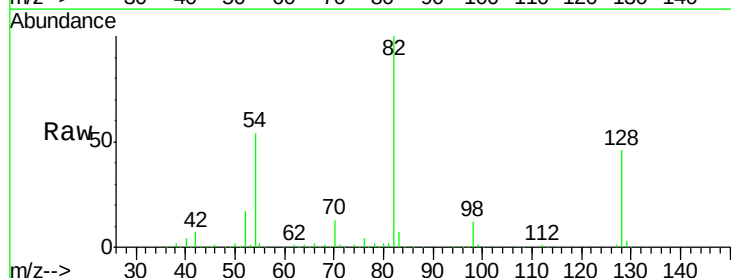
Instrument :
 BNA_F
 ClientSampleId :
 MH=110917-02-FREEZE-PIT

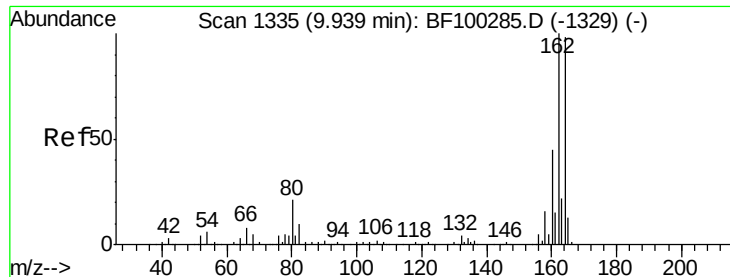
Tgt Ion: 82 Resp: 849433
 Ion Ratio Lower Upper
 82 100
 128 45.7 36.1 54.1
 54 53.6 41.4 62.2



#25
 Isophorone
 Concen: 49.76 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.26 min
 Lab File: BF100446.D
 Acq: 11 Nov 2017 17:44

Tgt Ion: 82 Resp: 845721
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

Instrument :

BNA_F

ClientSampleId :

MH=110917-02-FREEZE-PIT

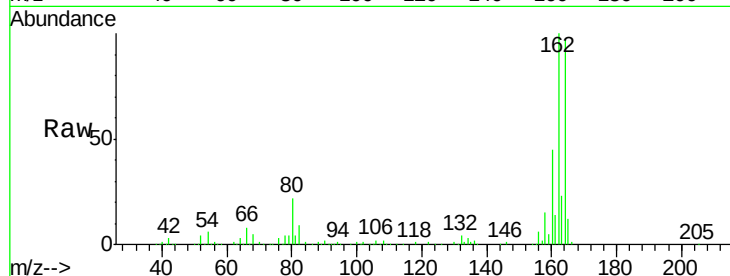
Tgt Ion:164 Resp: 204864

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

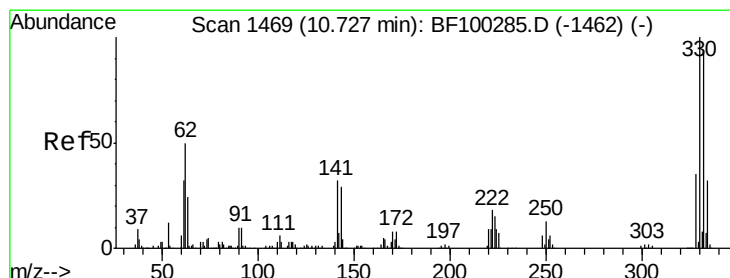
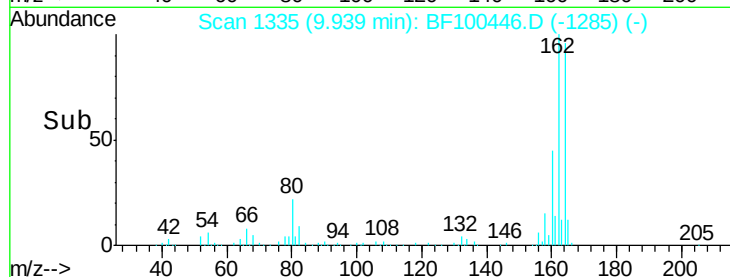
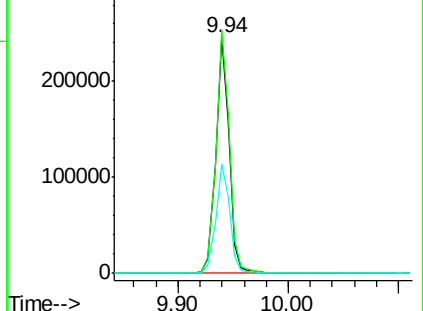
160 46.6 38.3 57.5



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: 104.13 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

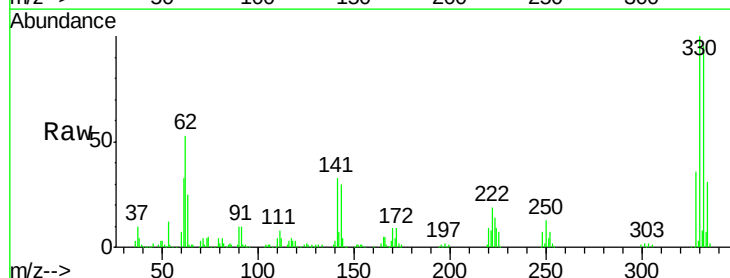
Tgt Ion:330 Resp: 217376

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

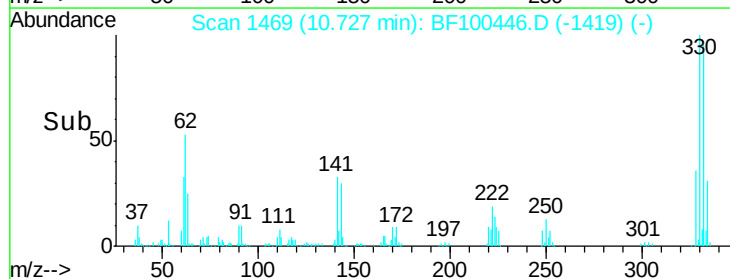
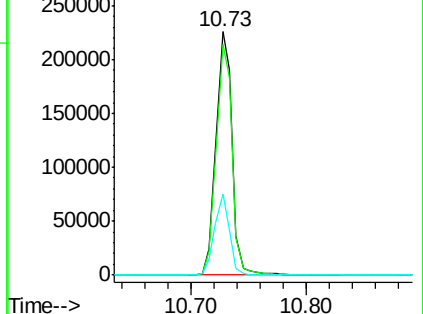
141 31.2 29.9 44.9

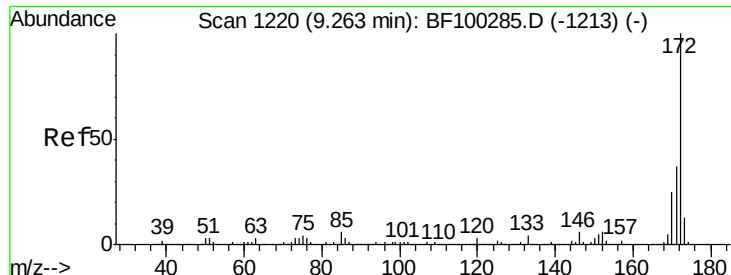


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

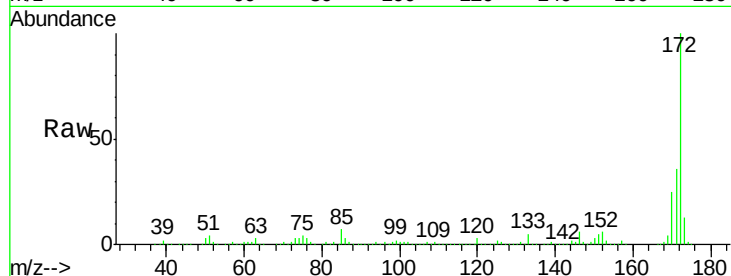




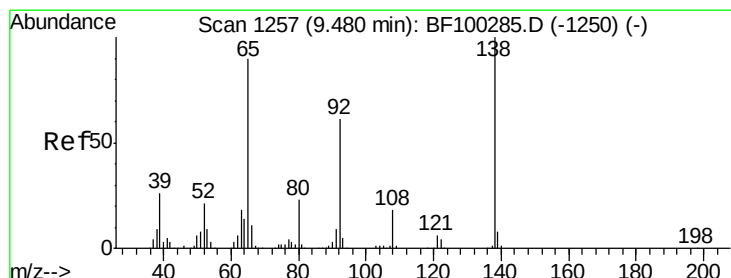
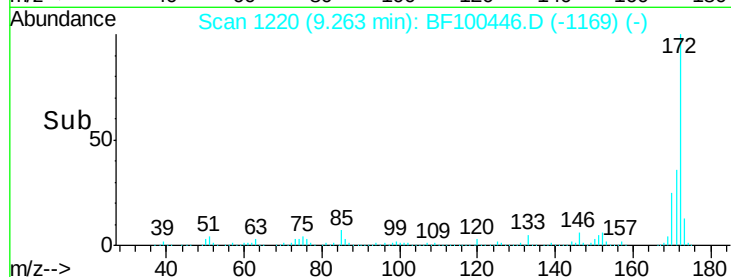
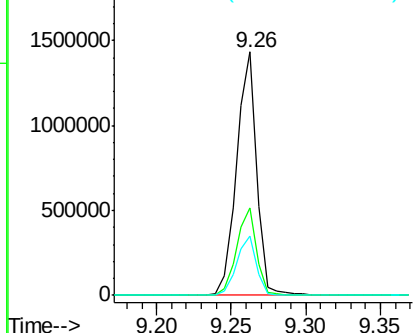
#44
2-Fluorobiphenyl
Concen: 101.10 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

Instrument :
BNA_F
ClientSampleId :
MH=110917-02-FREEZE-PIT

Tgt Ion:172 Resp: 1360196
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.5 19.6 29.4

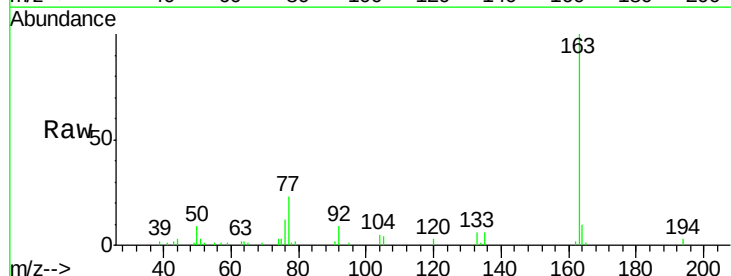


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

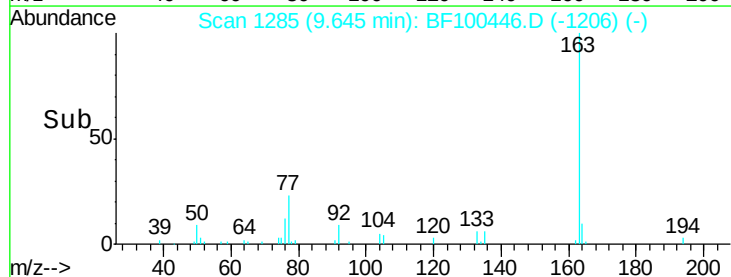
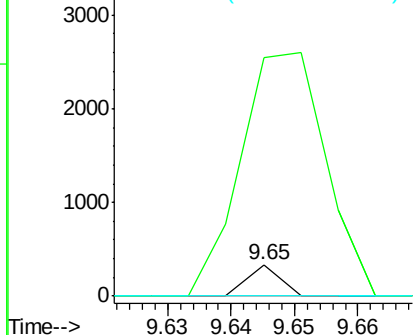


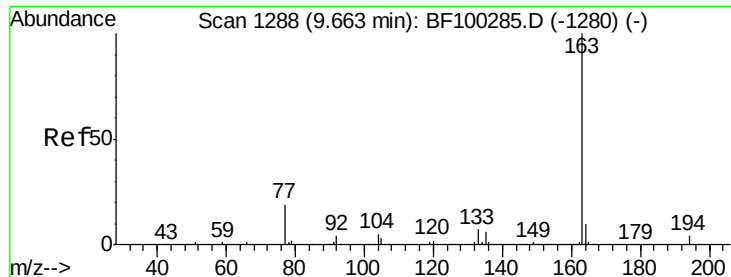
#47
2-Nitroaniline
Concen: 2.81 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.16 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

Tgt Ion: 65 Resp: 119
Ion Ratio Lower Upper
65 100
92 751.8 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

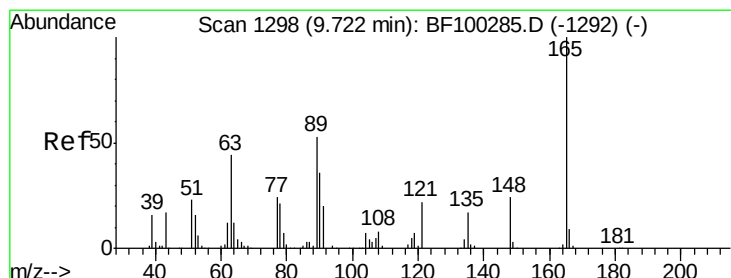
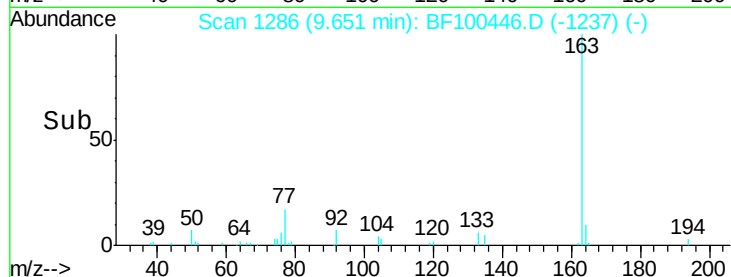
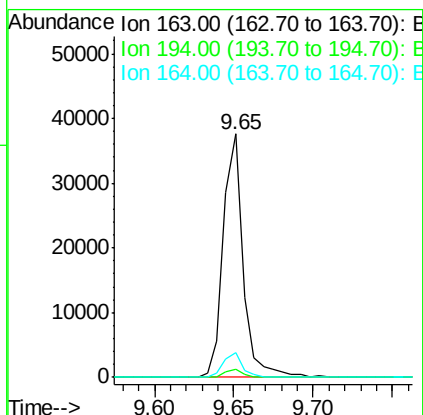
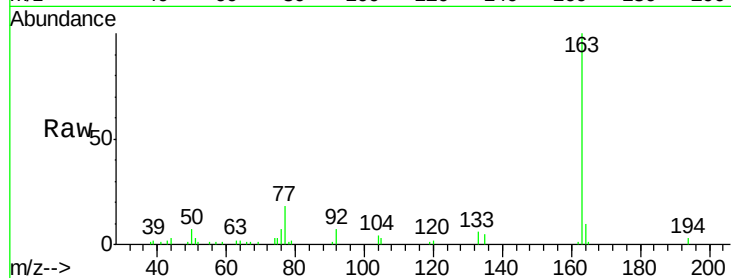




#49
Dimethylphthalate
Concen: 2.10 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

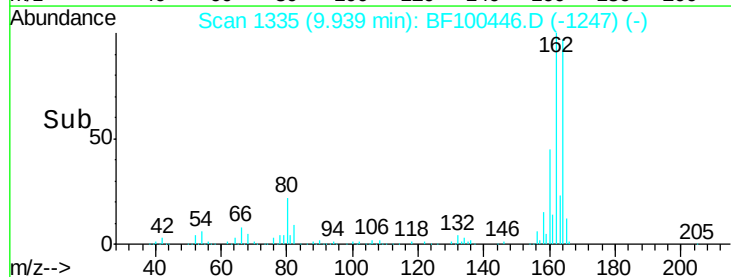
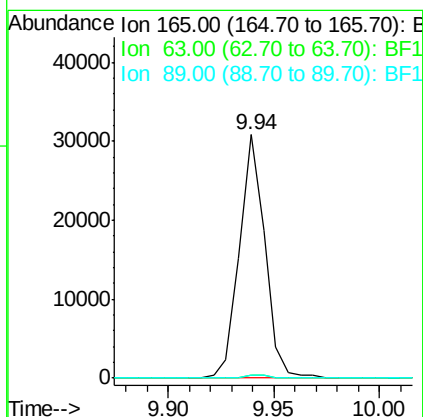
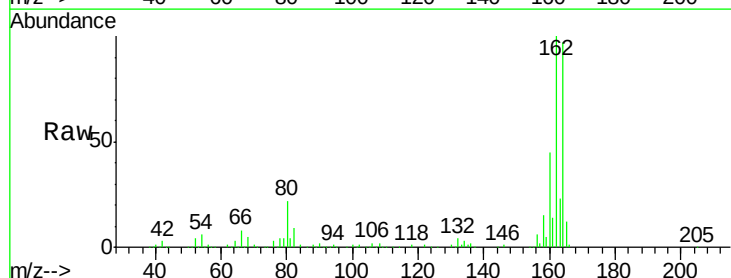
Instrument :
BNA_F
ClientSampleId :
MH=110917-02-FREEZE-PIT

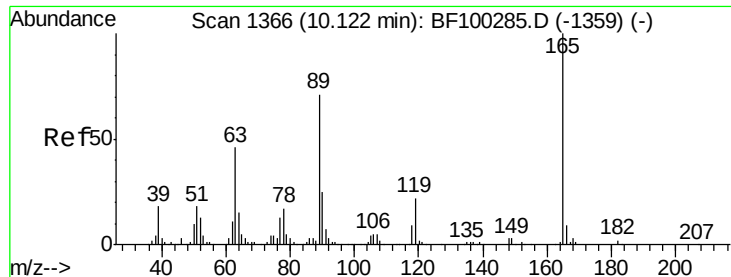
Tgt Ion:163 Resp: 32826
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.3 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.30 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

Tgt Ion:165 Resp: 25710
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.2 44.0 66.0#

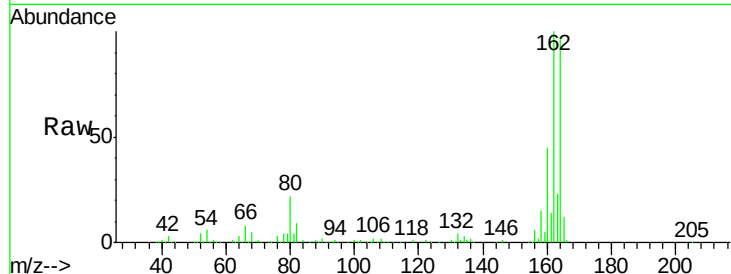




#56
 2,4-Dinitrotoluene
 Concen: 6.58 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100446.D
 Acq: 11 Nov 2017 17:44

Instrument :
 BNA_F
 ClientSampleId :
 MH=110917-02-FREEZE-PIT

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

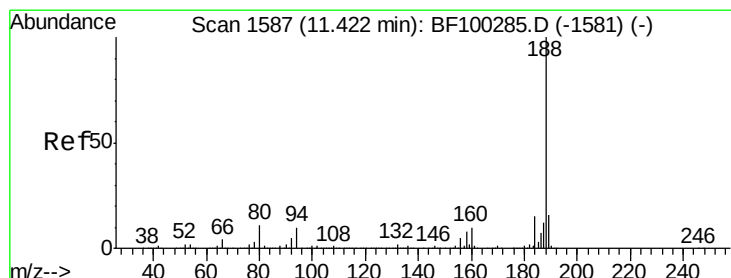
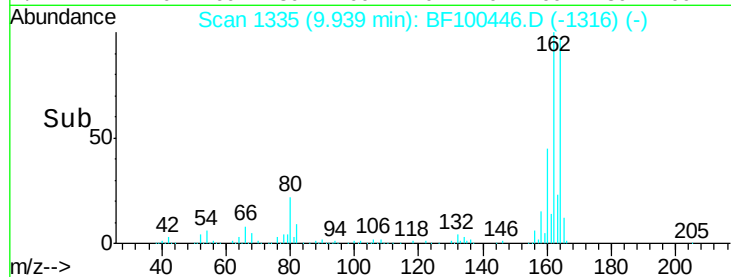
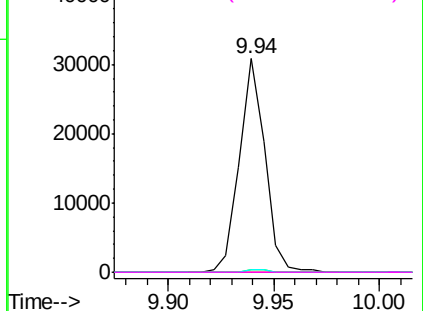


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

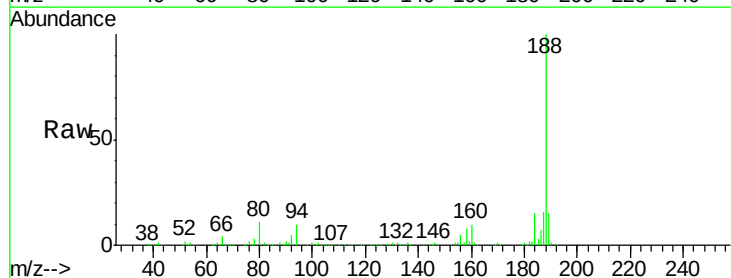
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF100446.D
 Acq: 11 Nov 2017 17:44

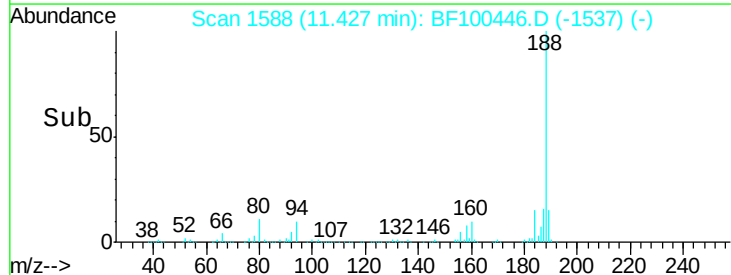
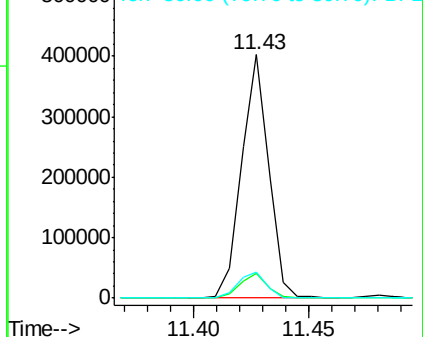
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.7	9.2	13.8

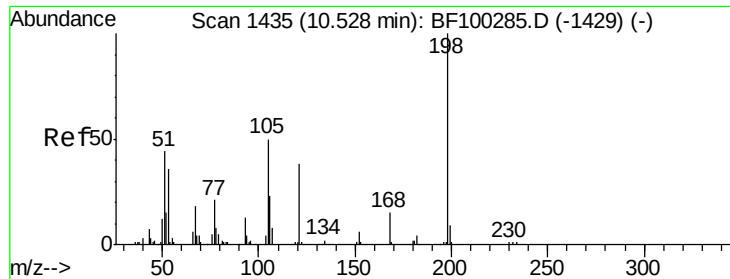


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

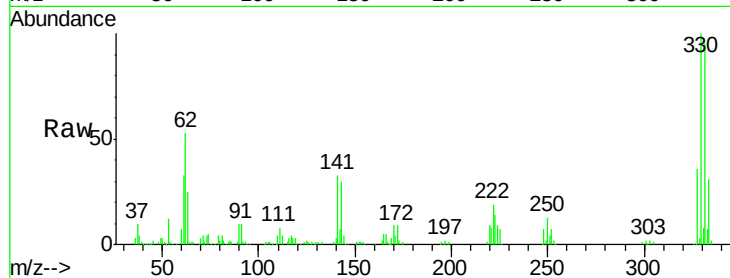




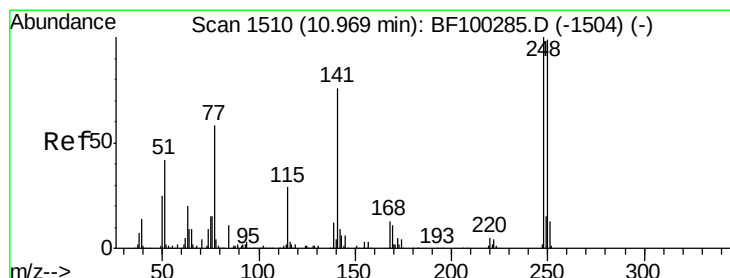
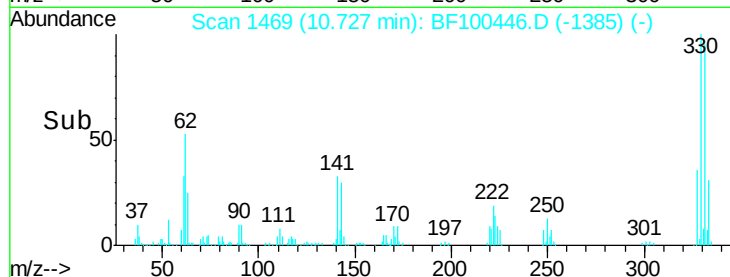
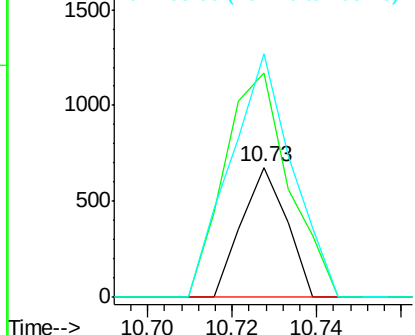
#64
4,6-Dinitro-2-methylphenol
Concen: 8.82 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

Instrument :
BNA_F
ClientSampleId :
MH=110917-02-FREEZE-PIT

Tgt Ion:198 Resp: 502
Ion Ratio Lower Upper
198 100
51 172.7 37.7 77.7#
105 187.4 36.3 76.3#

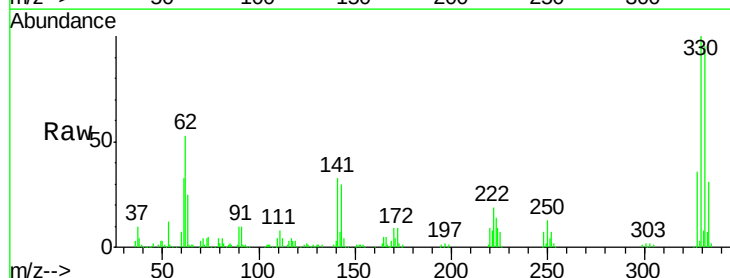


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

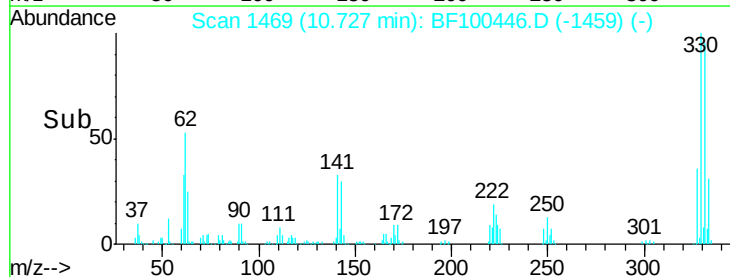
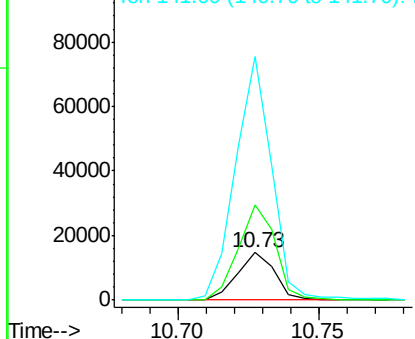


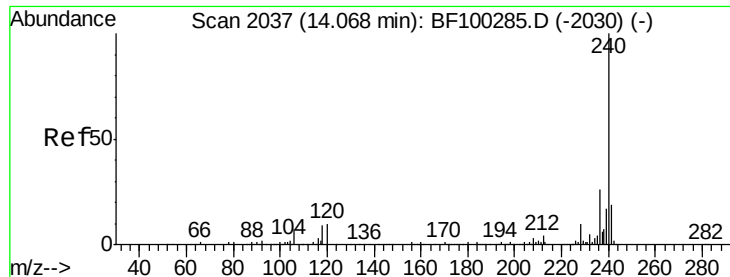
#66
4-Bromophenyl-phenylether
Concen: 3.81 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

Tgt Ion:248 Resp: 13468
Ion Ratio Lower Upper
248 100
250 200.0 76.9 115.3#
141 513.6 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: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

Instrument :

BNA_F

ClientSampleId :

MH=110917-02-FREEZE-PIT

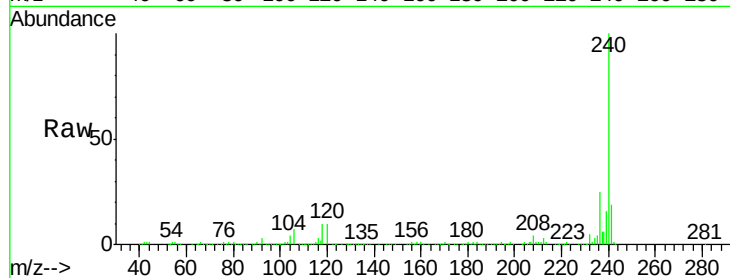
Tgt Ion:240 Resp: 320795

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

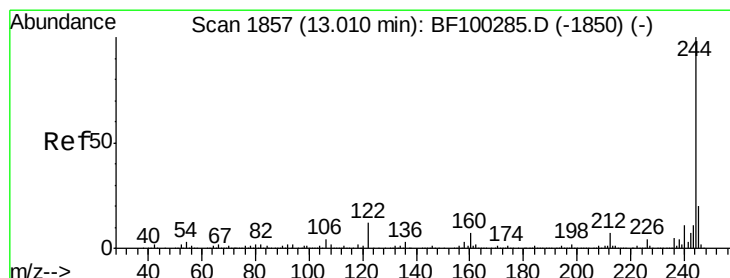
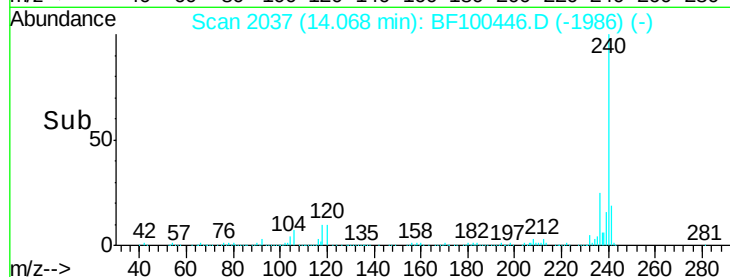
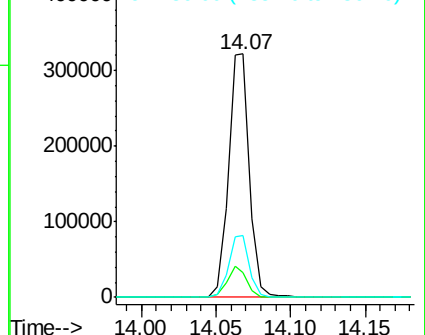
236 25.4 20.7 31.1



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: 77.59 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BF100446.D

Acq: 11 Nov 2017 17:44

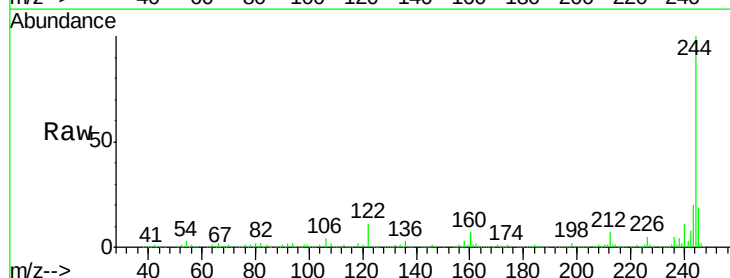
Tgt Ion:244 Resp: 1083254

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

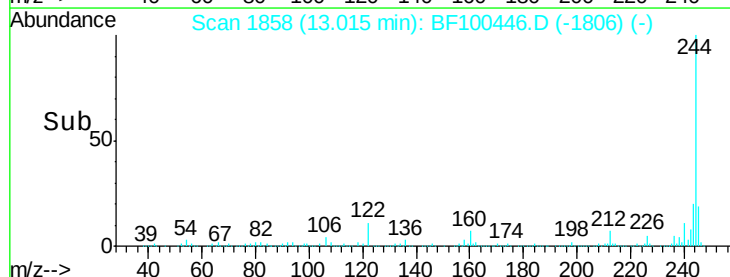
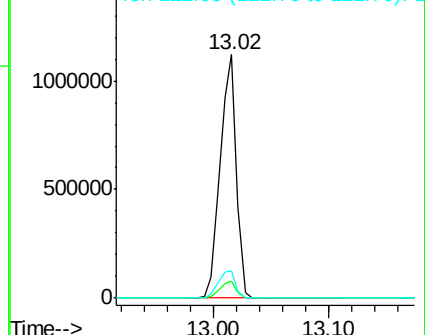
122 11.1 11.0 16.4

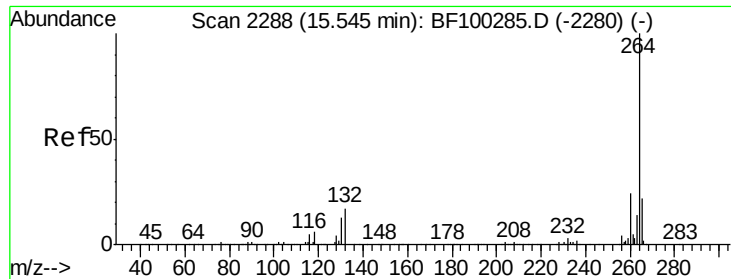


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF100446.D
Acq: 11 Nov 2017 17:44

Instrument :
BNA_F
ClientSampleId :
MH=110917-02-FREEZE-PIT

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.3	17.5	26.3

