

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020817\
 Data File : BF092870.D
 Acq On : 8 Feb 2017 23:03
 Operator : SJ/MA
 Sample : I1745-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-2

Quant Time: Feb 08 23:45:05 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

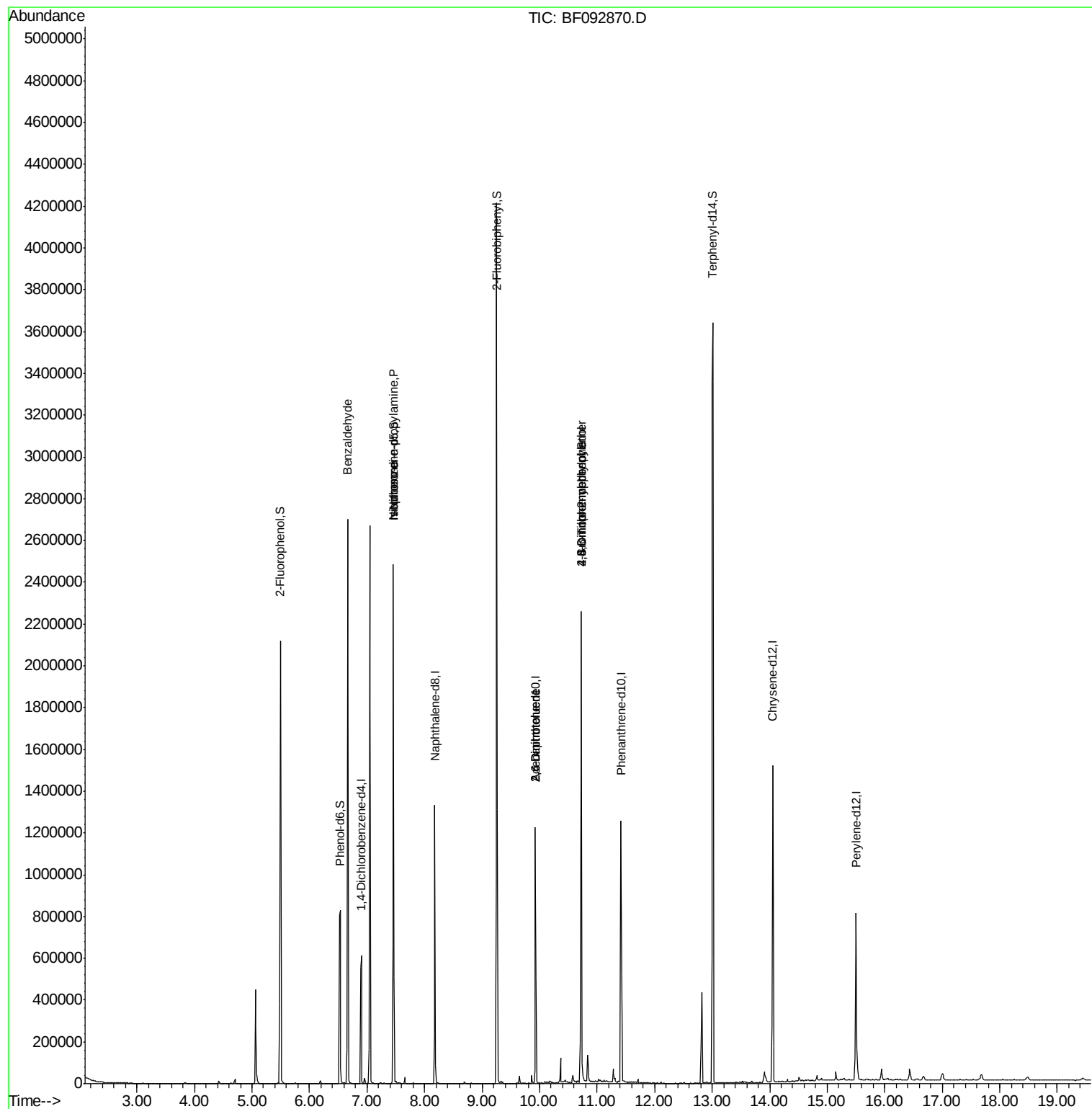
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	135763	20.00	ng	-0.07
21) Naphthalene-d8	8.18	136	565594	20.00	ng	-0.08
38) Acenaphthene-d10	9.93	164	296977	20.00	ng	-0.08
63) Phenanthrene-d10	11.41	188	503349	20.00	ng	-0.08
75) Chrysene-d12	14.05	240	491311	20.00	ng	-0.09
86) Perylene-d12	15.51	264	423163	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	534143	67.50	ng	-0.08
7) Phenol-d6	6.53	99	406124	39.89	ng	-0.07
23) Nitrobenzene-d5	7.46	82	855258	84.21	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	343783	160.05	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	1566253	95.55	ng	-0.08
78) Terphenyl-d14	13.01	244	1757050	84.03	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.66	77	20217	2.77	ng	# 76
19) n-Nitroso-di-n-propylamine	7.46	70	111512	17.20	ng	# 83
25) Isophorone	7.46	82	853199	45.08	ng	# 65
50) 2,6-Dinitrotoluene	9.93	165	36368	8.42	ng	# 31
56) 2,4-Dinitrotoluene	9.93	165	36370	6.32	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.73	198	763	2.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	25564	4.86	ng	# 1

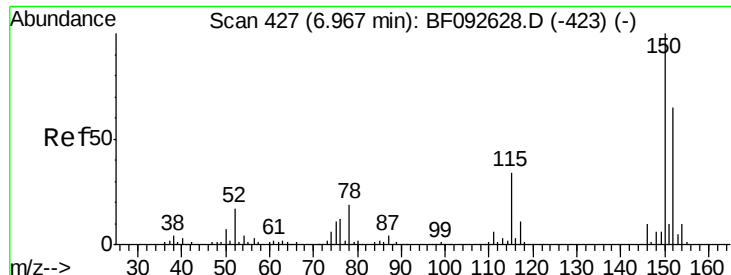
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.07 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

Instrument :

BNA_F

ClientSampleId :

GW-2

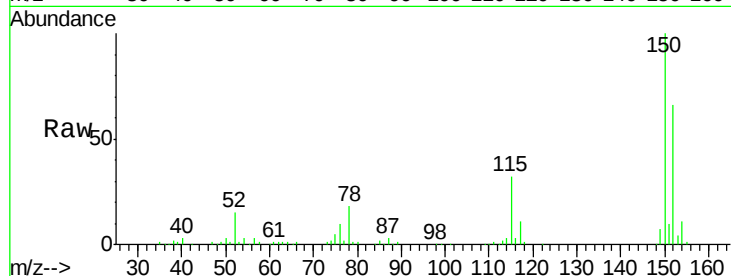
Tgt Ion:152 Resp: 135763

Ion Ratio Lower Upper

152 100

150 152.3 124.9 187.3

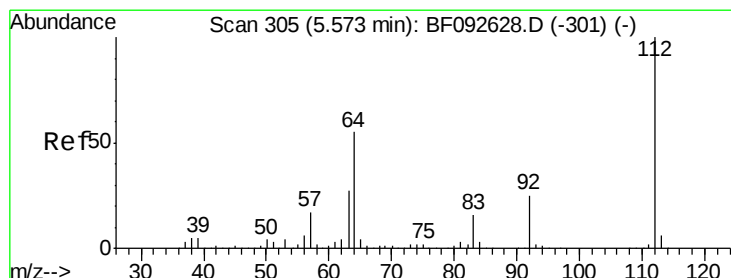
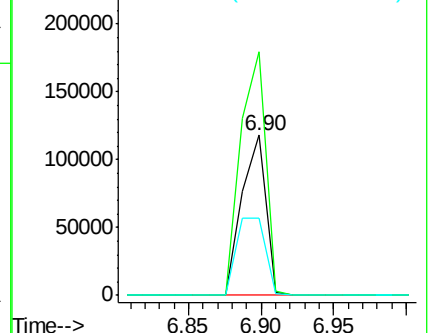
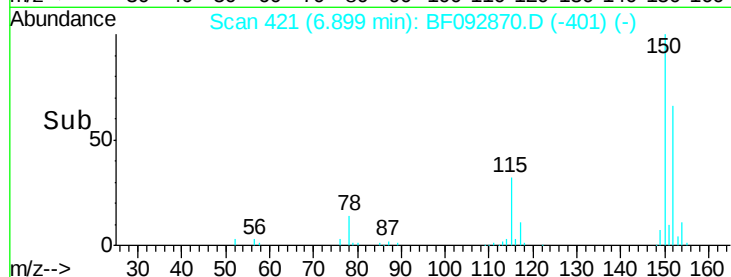
115 48.5 46.0 69.0



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: 67.50 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.08 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

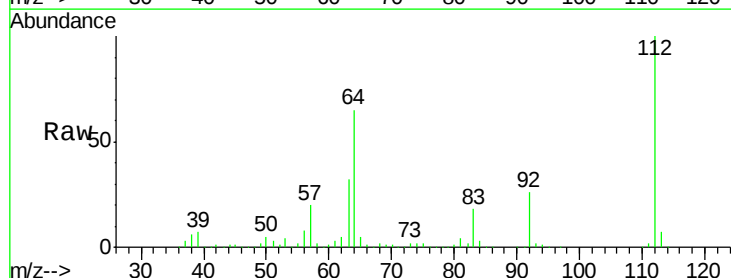
Tgt Ion:112 Resp: 534143

Ion Ratio Lower Upper

112 100

64 64.8 46.1 69.1

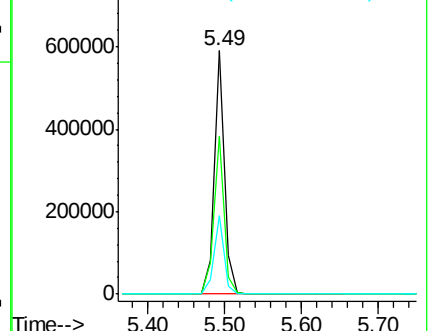
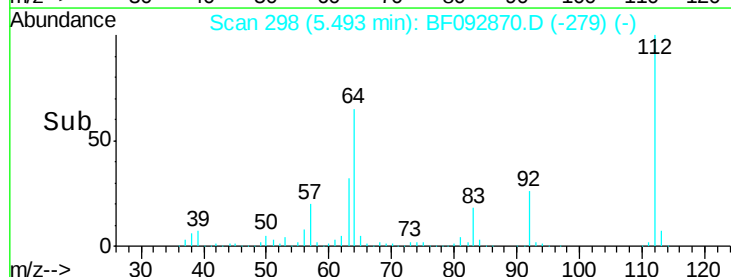
63 32.2 23.8 35.6

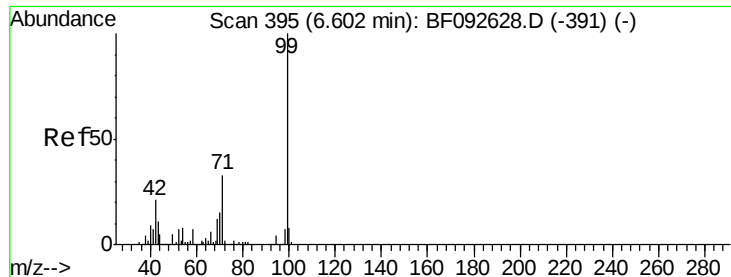


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.89 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.07 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

Instrument :

BNA_F

ClientSampleId :

GW-2

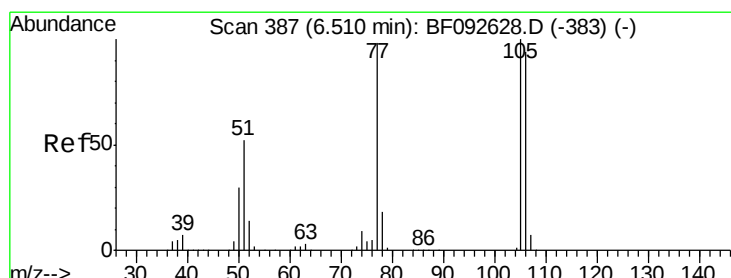
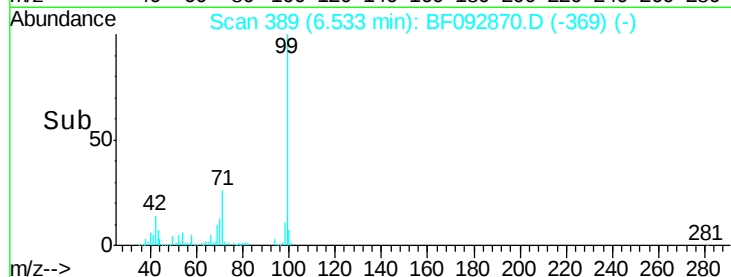
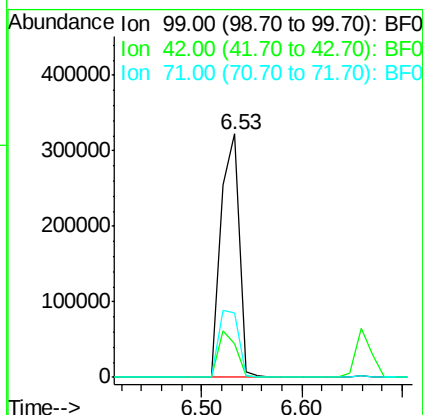
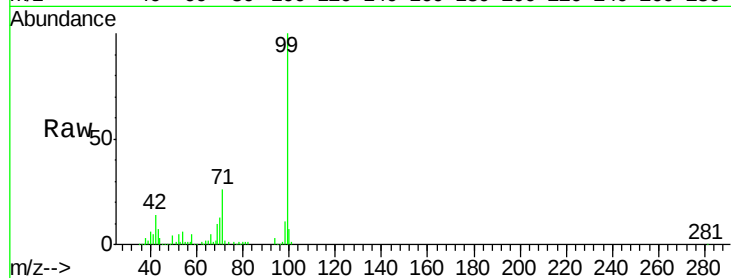
Tgt Ion: 99 Resp: 406124

Ion Ratio Lower Upper

99 100

42 13.7 15.6 23.4#

71 26.3 27.5 41.3#



#9

Benzaldehyde

Concen: 2.77 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.15 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

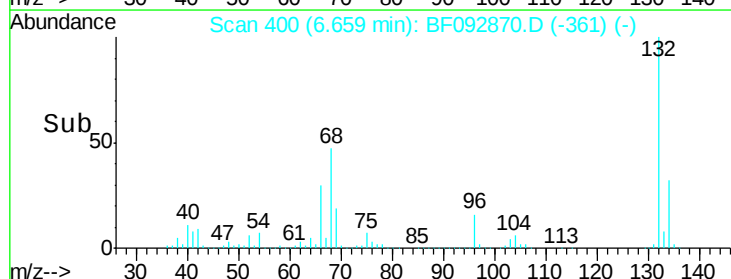
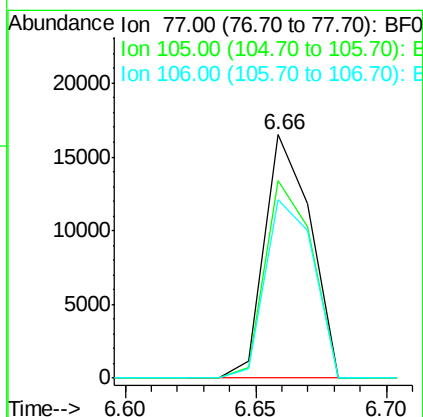
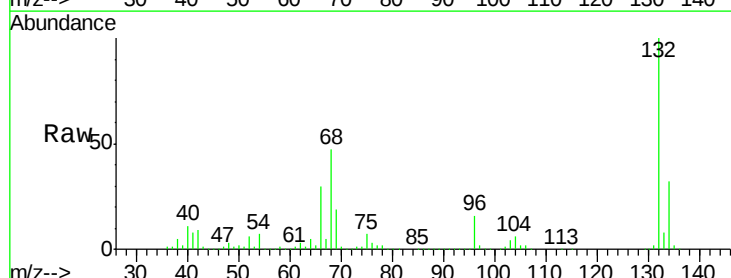
Tgt Ion: 77 Resp: 20217

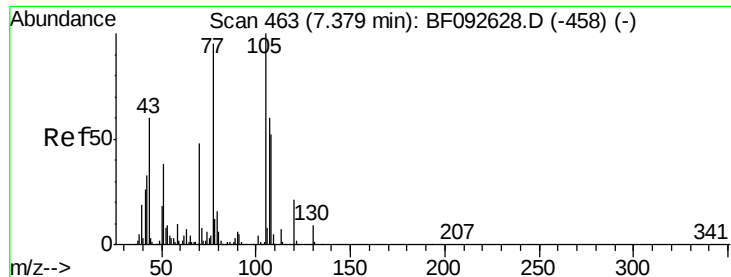
Ion Ratio Lower Upper

77 100

105 80.9 83.9 123.9#

106 73.1 77.6 117.6#

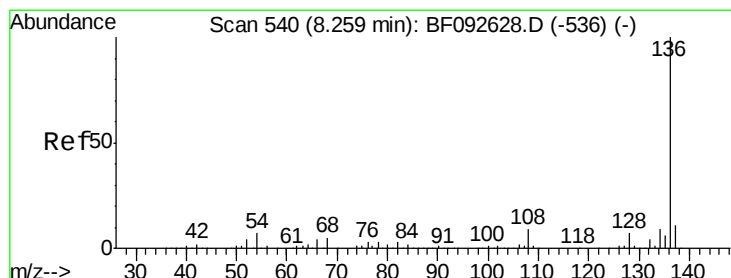
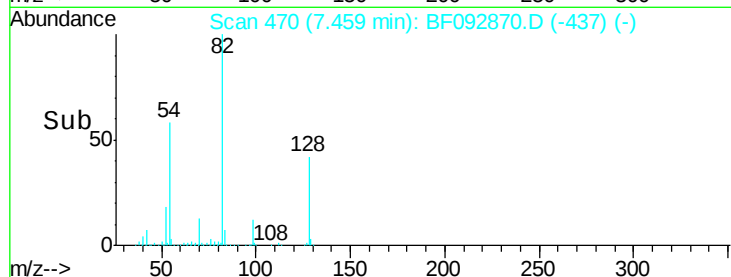
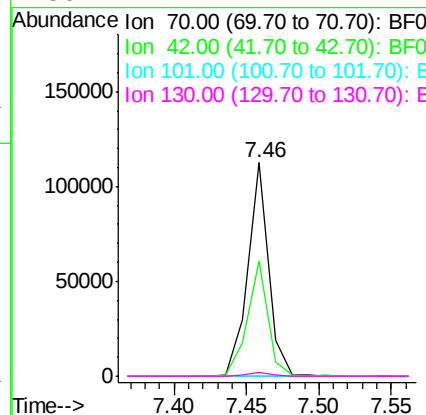
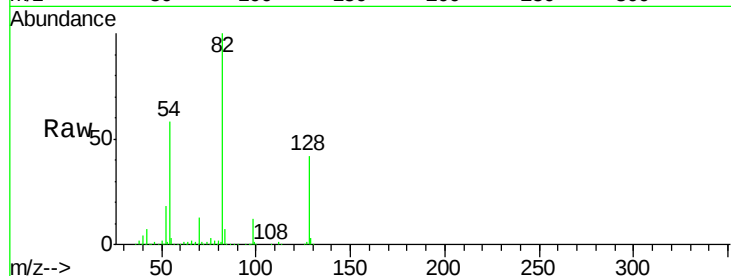




#19
n-Nitroso-di-n-propylamine
Concen: 17.20 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.08 min
Lab File: BF092870.D
Acq: 8 Feb 2017 23:03

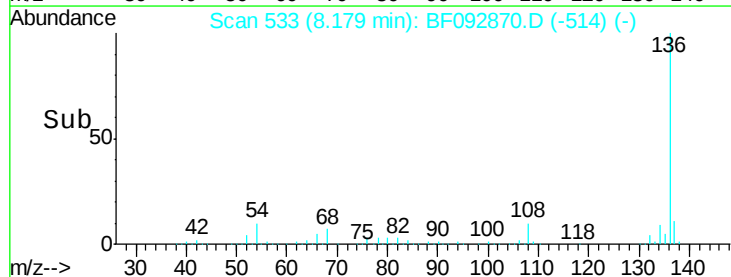
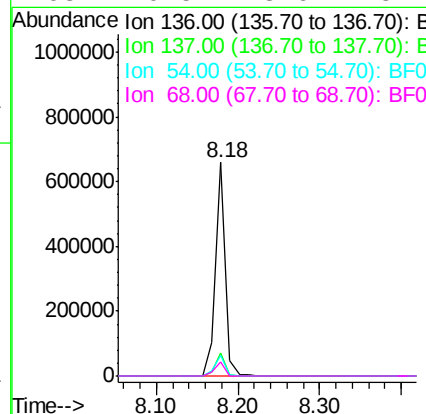
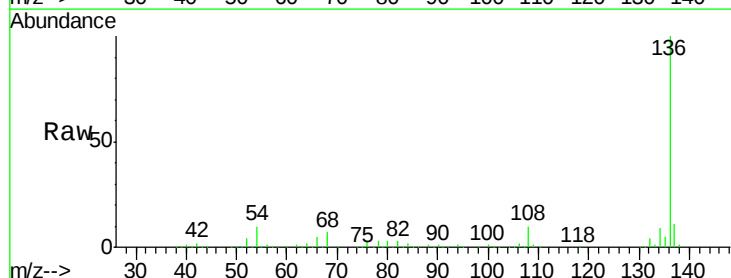
Instrument :
BNA_F
ClientSampleId :
GW-2

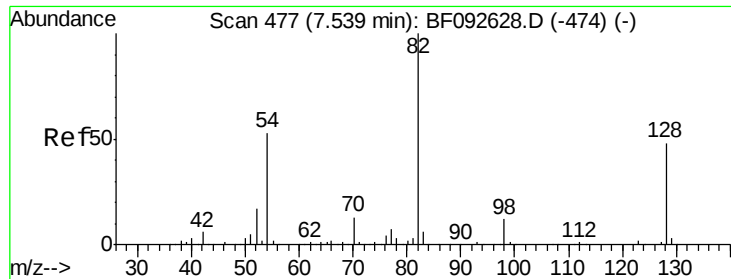
Tgt Ion: 70 Resp: 111512
Ion Ratio Lower Upper
70 100
42 53.7 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092870.D
Acq: 8 Feb 2017 23:03

Tgt Ion: 136 Resp: 565594
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.8 4.5 6.7#
68 6.5 3.6 5.4#

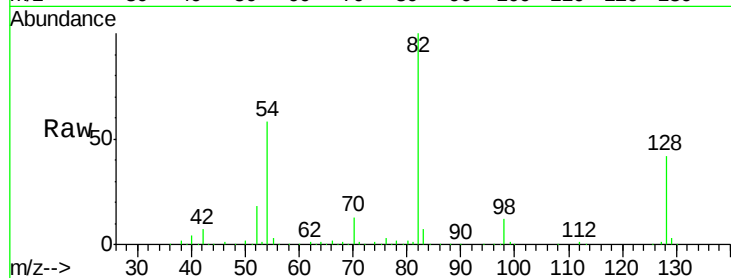




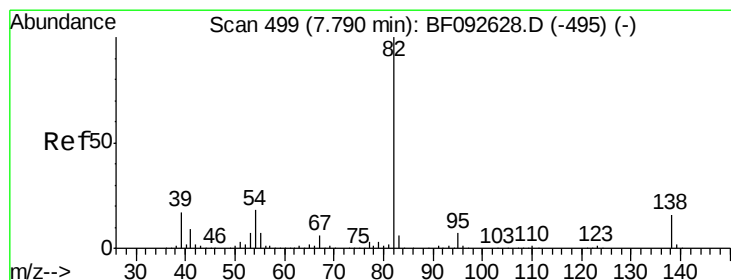
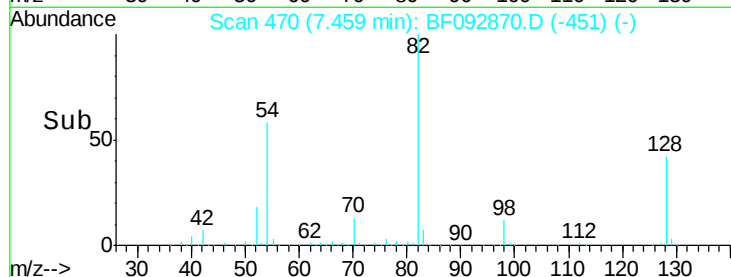
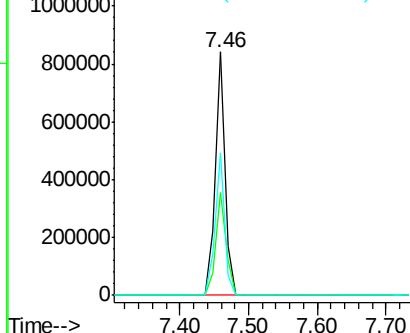
#23
 Nitrobenzene-d5
 Concen: 84.21 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.08 min
 Lab File: BF092870.D
 Acq: 8 Feb 2017 23:03

Instrument :
 BNA_F
 ClientSampleId :
 GW-2

Tgt Ion: 82 Resp: 855258
 Ion Ratio Lower Upper
 82 100
 128 42.1 34.6 52.0
 54 58.5 39.5 59.3

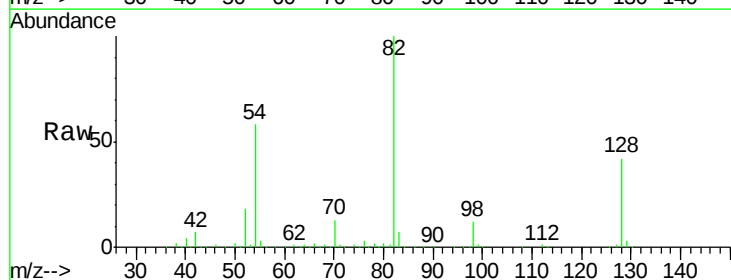


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

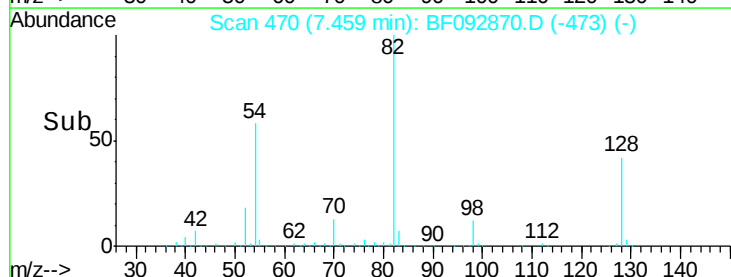
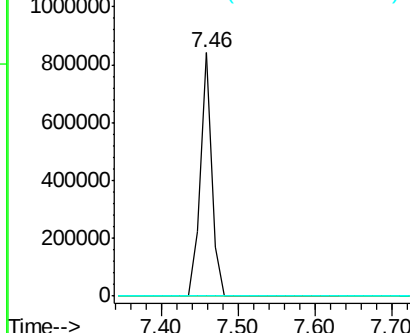


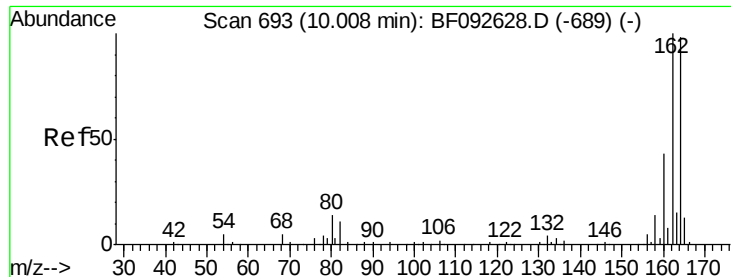
#25
 Isophorone
 Concen: 45.08 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.33 min
 Lab File: BF092870.D
 Acq: 8 Feb 2017 23:03

Tgt Ion: 82 Resp: 853199
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

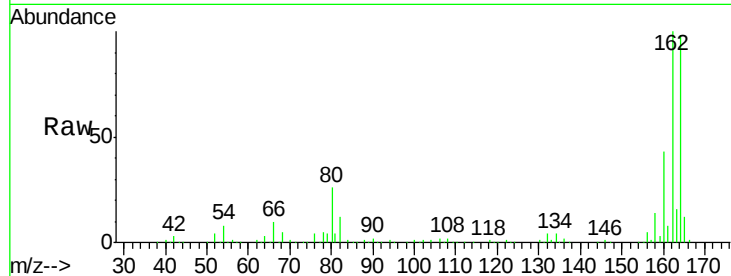




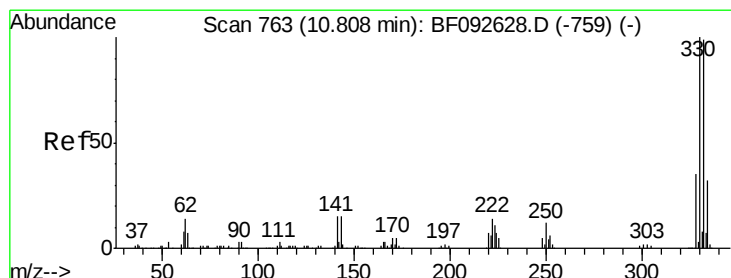
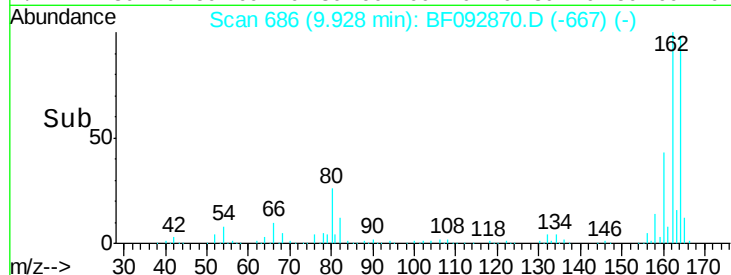
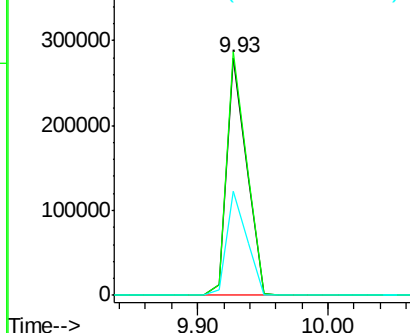
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.08 min
 Lab File: BF092870.D
 Acq: 8 Feb 2017 23:03

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 BNA_F
 ClientSampleId :
 GW-2

Tgt Ion:164 Resp: 296977
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.2 120.2
 160 44.0 36.9 55.3

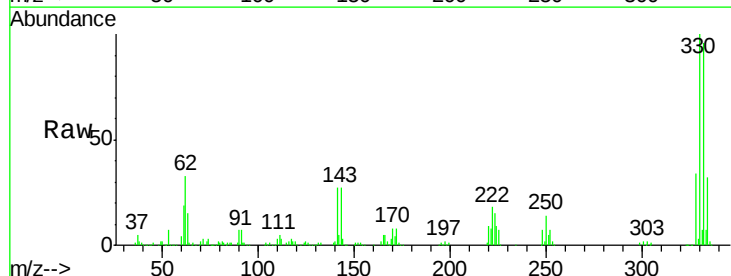


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

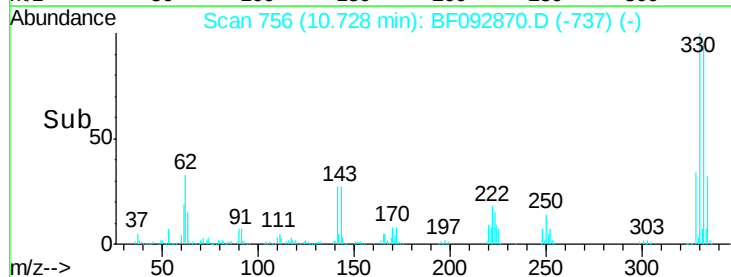
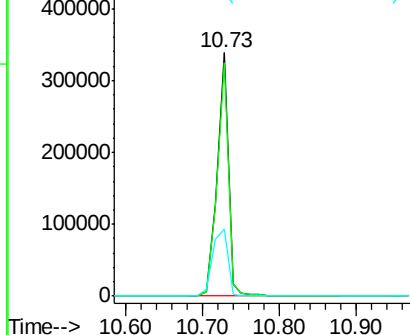


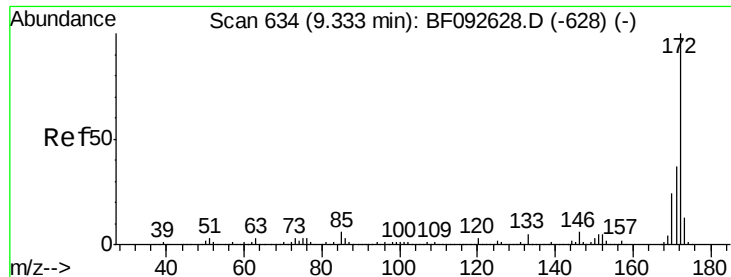
#41
 2,4,6-Tribromophenol
 Concen: 160.05 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.08 min
 Lab File: BF092870.D
 Acq: 8 Feb 2017 23:03

Tgt Ion:330 Resp: 343783
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.2
 141 37.2 34.1 51.1



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

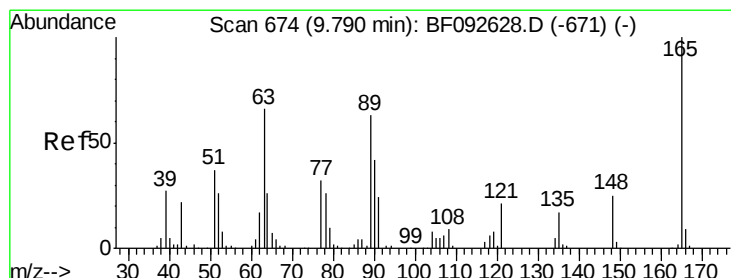
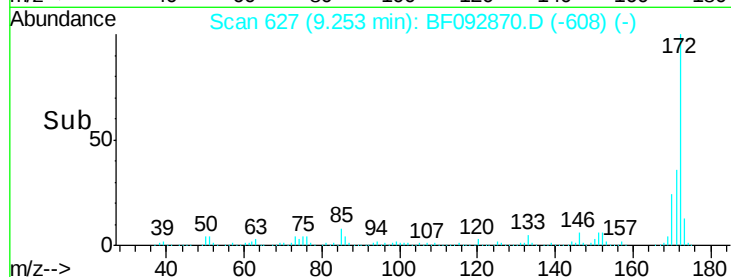
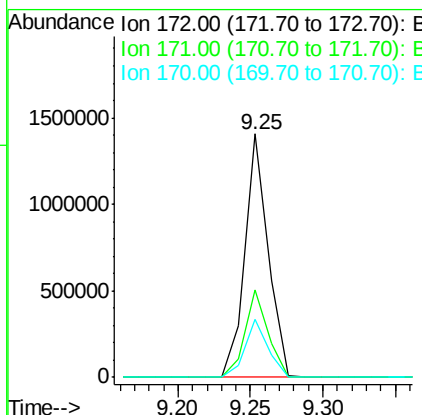
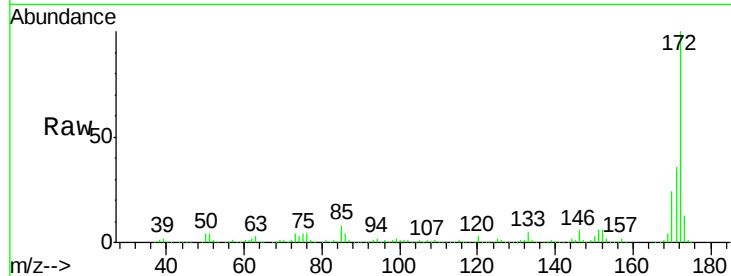




#44
2-Fluorobiphenyl
Concen: 95.55 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.08 min
Lab File: BF092870.D
Acq: 8 Feb 2017 23:03

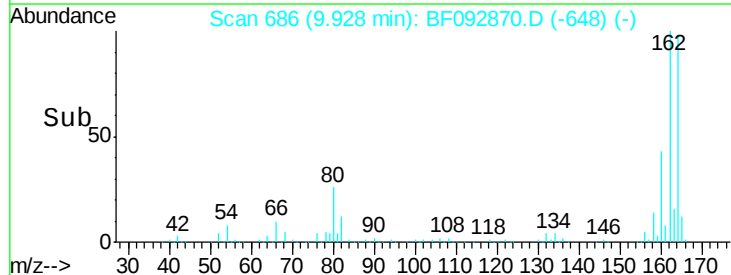
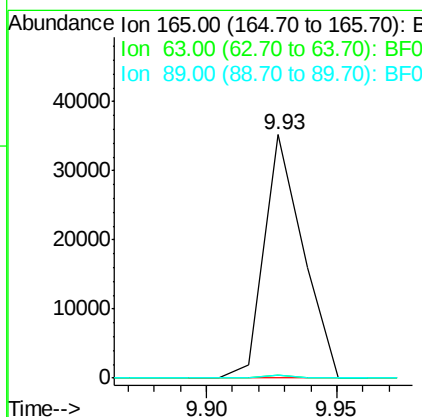
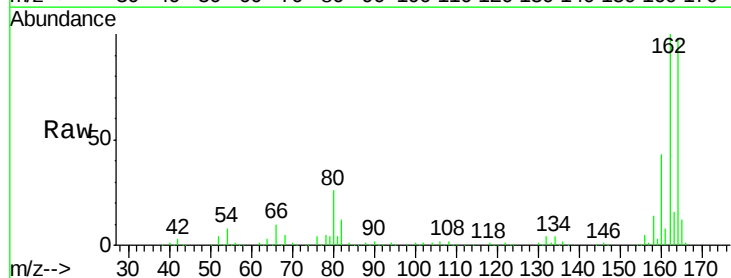
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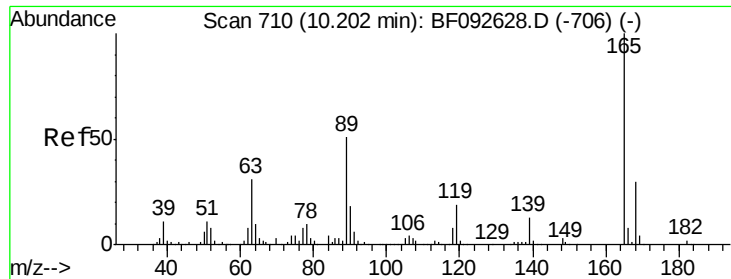
Tgt Ion:172 Resp: 1566253
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 23.8 20.2 30.4



#50
2,6-Dinitrotoluene
Concen: 8.42 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.14 min
Lab File: BF092870.D
Acq: 8 Feb 2017 23:03

Tgt Ion:165 Resp: 36368
Ion Ratio Lower Upper
165 100
63 1.3 36.2 54.4#
89 1.1 40.2 60.4#





#56

2,4-Dinitrotoluene

Concen: 6.32 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.27 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

Instrument :

BNA_F

ClientSampled :

GW-2

Tgt Ion:165 Resp: 36370

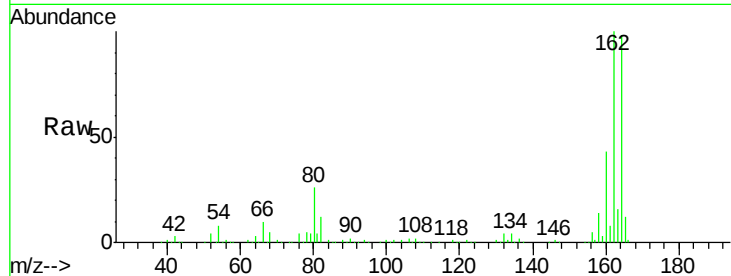
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

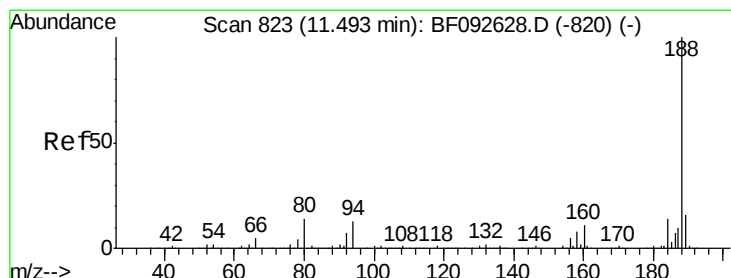
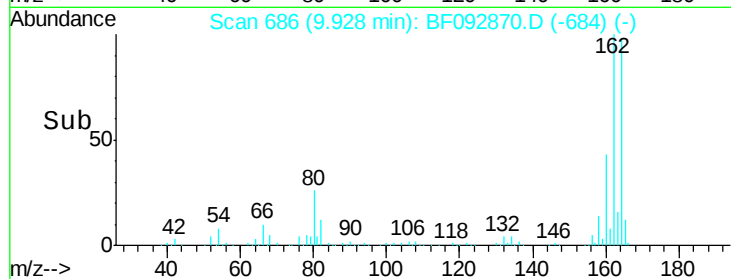
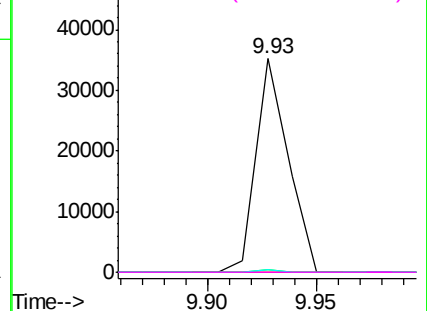


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.08 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

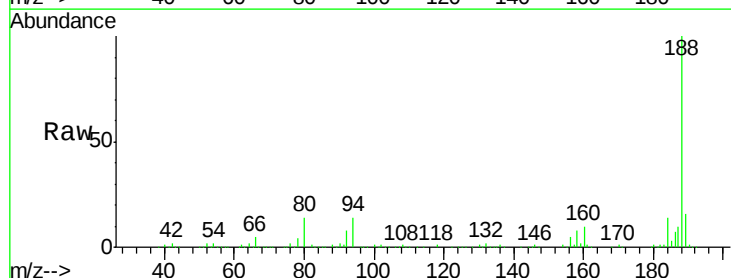
Tgt Ion:188 Resp: 503349

Ion Ratio Lower Upper

188 100

94 13.8 10.0 15.0

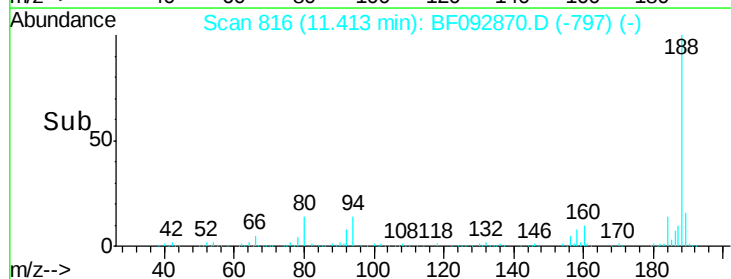
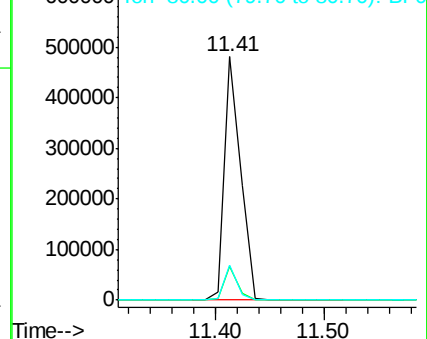
80 14.3 11.2 16.8

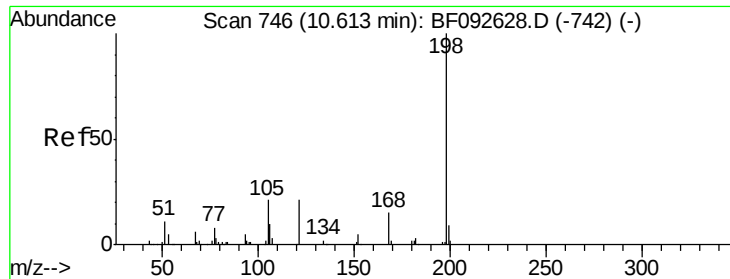


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.90 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.11 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

Instrument :

BNA_F

ClientSampleId :

GW-2

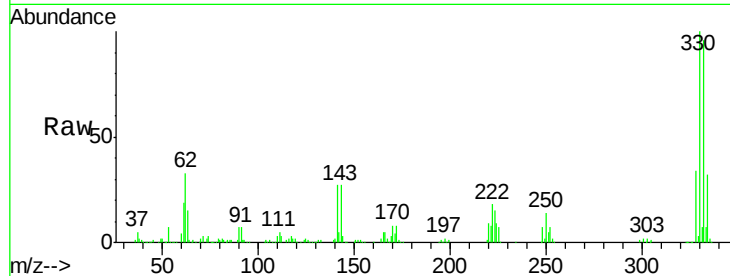
Tgt Ion:198 Resp: 763

Ion Ratio Lower Upper

198 100

51 141.4 6.7 46.7#

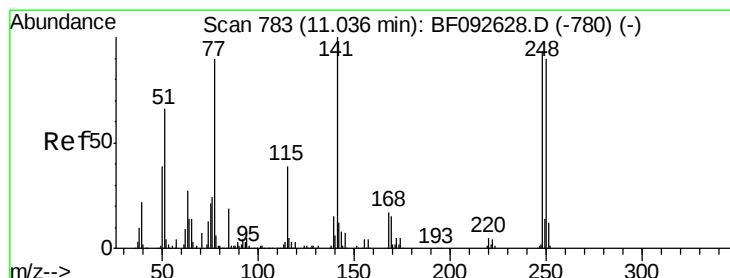
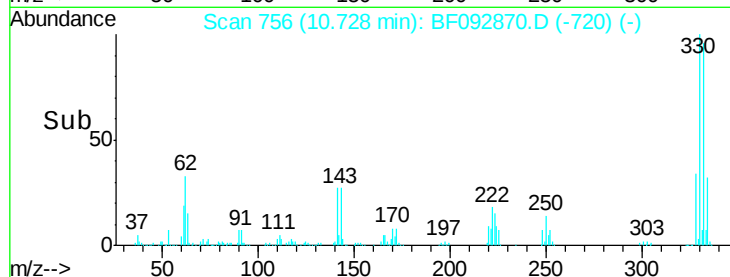
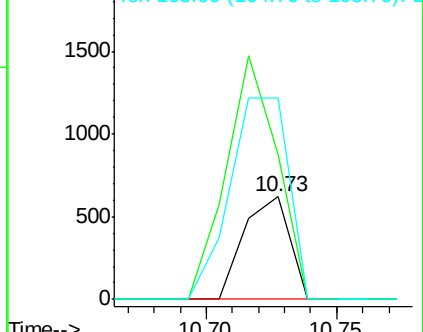
105 196.6 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.86 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.31 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

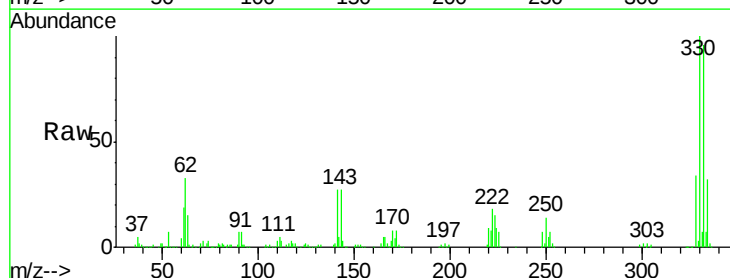
Tgt Ion:248 Resp: 25564

Ion Ratio Lower Upper

248 100

250 202.9 76.9 115.3#

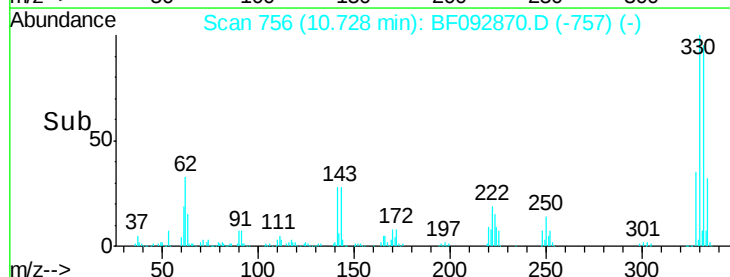
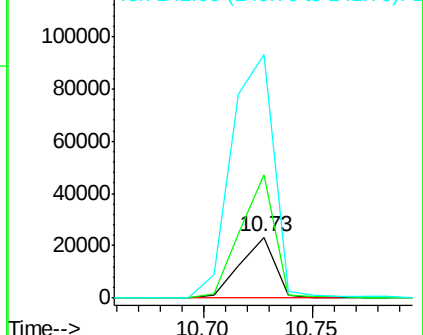
141 401.6 68.2 102.4#

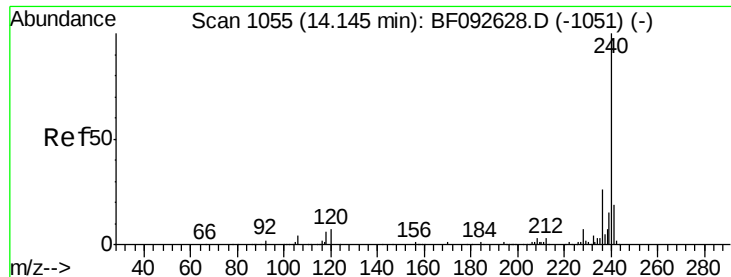


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.09 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

Instrument :

BNA_F

ClientSampleId :

GW-2

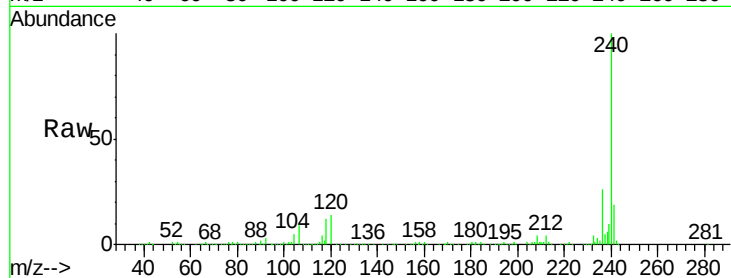
Tgt Ion:240 Resp: 491311

Ion Ratio Lower Upper

240 100

120 13.5 12.9 19.3

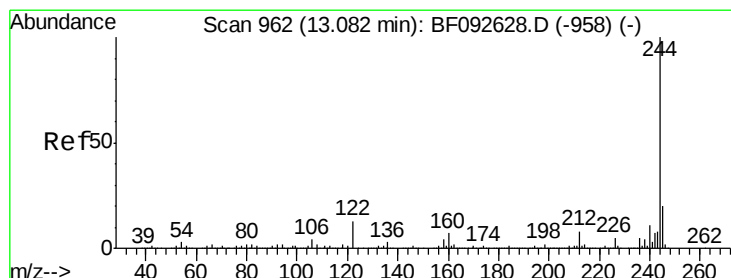
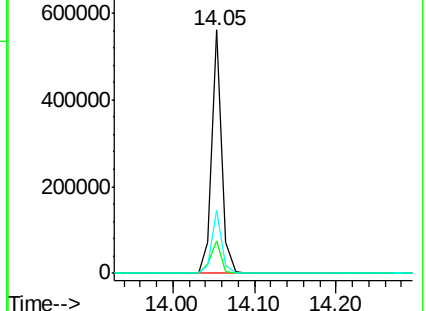
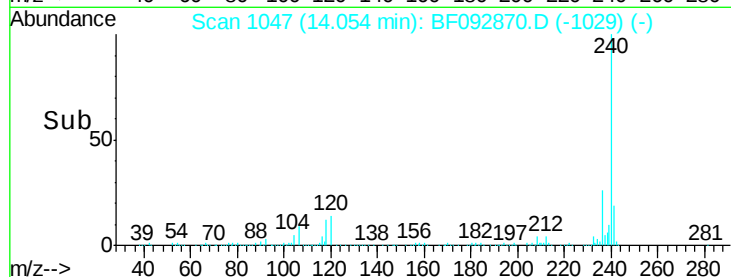
236 25.7 20.9 31.3



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: 84.03 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092870.D

Acq: 8 Feb 2017 23:03

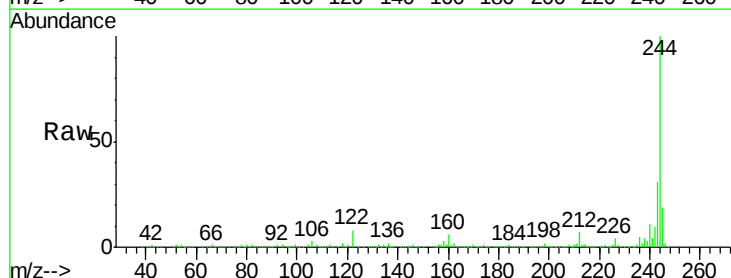
Tgt Ion:244 Resp: 1757050

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

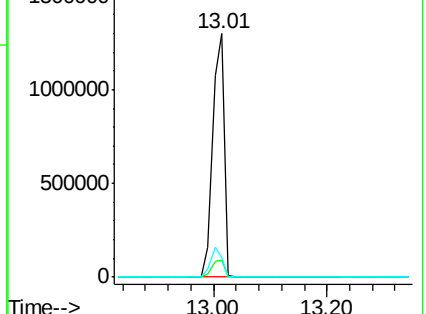
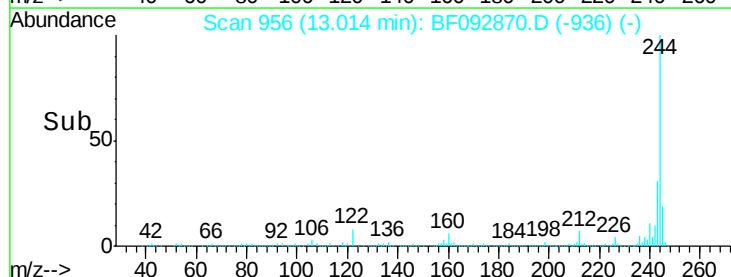
122 7.9 11.4 17.2#

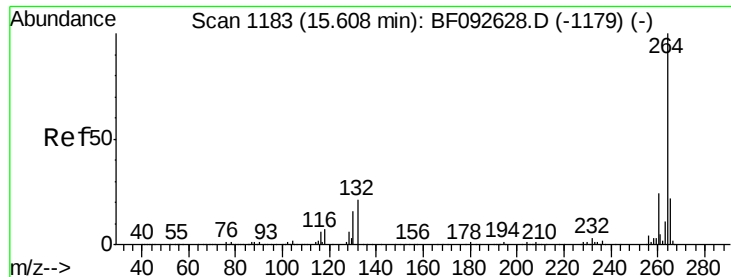


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.51 min Scan# 1174
Delta R.T. -0.10 min
Lab File: BF092870.D
Acq: 8 Feb 2017 23:03

Instrument :
BNA_F
ClientSampleId :
GW-2

Tgt Ion: 264 Resp: 423163
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.1 17.4 26.0

