

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011817\
 Data File : BF092363.D
 Acq On : 18 Jan 2017 20:54
 Operator : UM/SJ
 Sample : I1271-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW

Quant Time: Jan 19 00:08:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	125831	20.00	ng	0.06
21) Naphthalene-d8	7.83	136	424859	20.00	ng	-0.10
38) Acenaphthene-d10	9.58	164	181606	20.00	ng	-0.10
63) Phenanthrene-d10	11.06	188	244613	20.00	ng	-0.10
75) Chrysene-d12	13.69	240	271882	20.00	ng	-0.10
86) Perylene-d12	15.03	264	260397	20.00	ng	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	141314	18.75	ng	-0.10
7) Phenol-d6	6.22	99	113540	12.34	ng	-0.09
23) Nitrobenzene-d5	7.11	82	204832	26.81	ng	-0.10
41) 2,4,6-Tribromophenol	10.37	330	35636	23.71	ng	-0.10
44) 2-Fluorobiphenyl	8.92	172	271135	20.86	ng	-0.09
78) Terphenyl-d14	12.63	244	169592	15.13	ng	-0.11

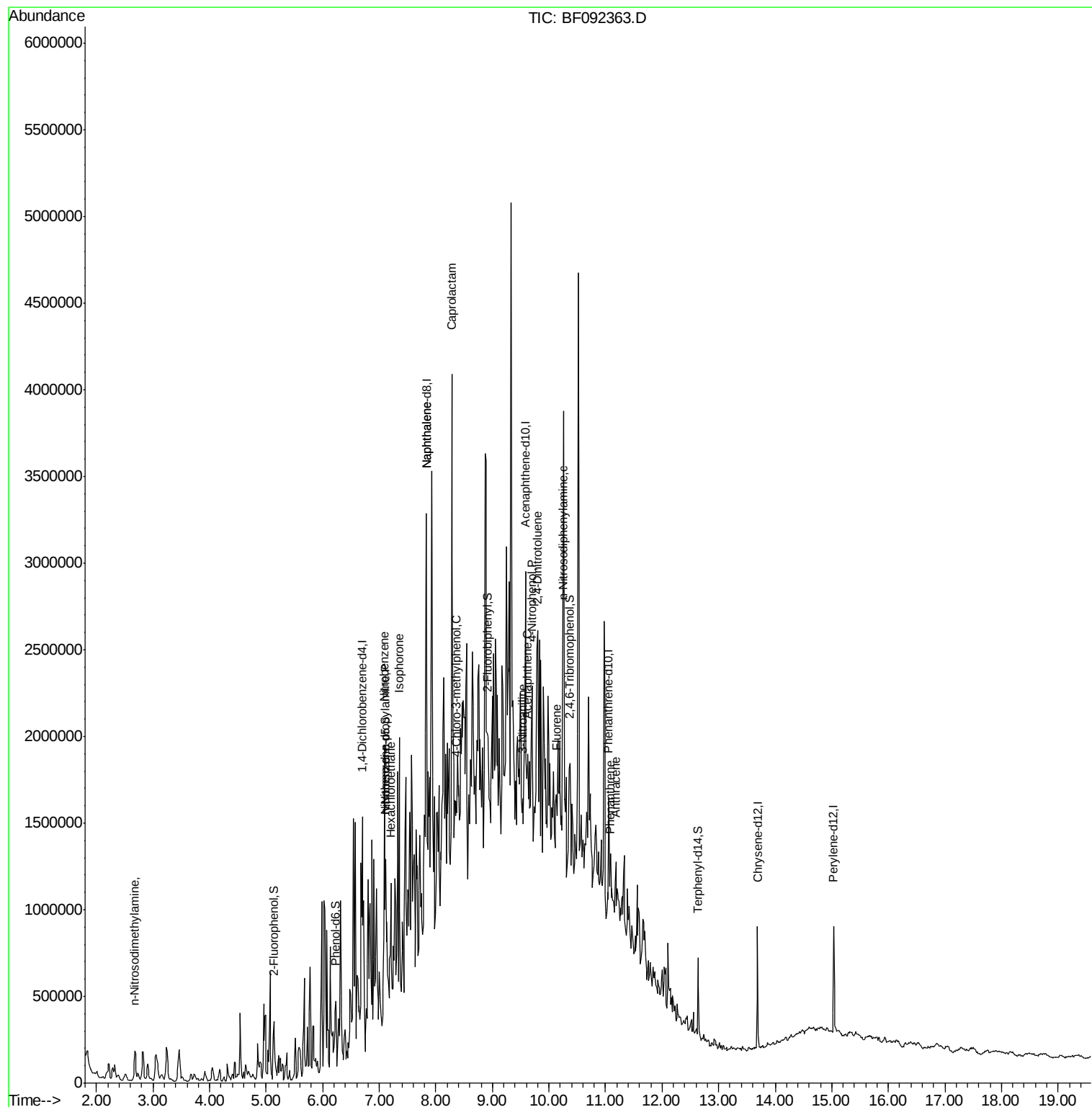
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.68	42	10614	2.17	ng	# 1
18) Hexachloroethane	7.20	117	9370	2.71	ng	# 1
19) n-Nitroso-di-n-propylamine	7.11	70	115194	18.82	ng	# 74
24) Nitrobenzene	7.09	77	55064	6.77	ng	# 24
25) Isophorone	7.35	82	41052	2.91	ng	# 1
31) Naphthalene	7.83	128	51459	2.65	ng	# 1
35) Caprolactam	8.28	113	78280	42.26	ng	# 1
36) 4-Chloro-3-methylphenol	8.36	107	13068	2.01	ng	# 35
37) 2-Methylnaphthalene	8.55	142	5221	Below Cal		# 1
51) Acenaphthene	9.62	154	28936	2.82	ng	# 86
52) 3-Nitroaniline	9.54	138	9888	3.14	ng	# 34
55) 4-Nitrophenol	9.70	139	32690	15.30	ng	# 40
56) 2,4-Dinitrotoluene	9.79	165	14223	4.46	ng	# 51
57) Fluorene	10.13	166	39204	3.89	ng	# 79
65) n-Nitrosodiphenylamine	10.24	169	170396	23.48	ng	# 44
70) Phenanthrene	11.08	178	115487	8.71	ng	# 90
71) Anthracene	11.18	178	103247	6.37	ng	# 1
73) Di-n-butylphthalate	11.64	149	3859	Below Cal		# 2
74) Fluoranthene	12.27	202	8360	Below Cal		# 75
76) Benizidine	12.43	184	549	Below Cal		# 1

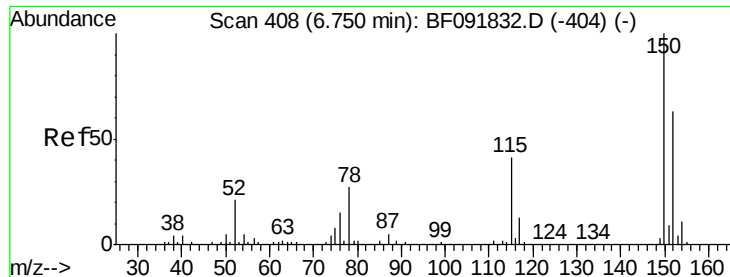
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 430

Delta R.T. 0.06 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

GW

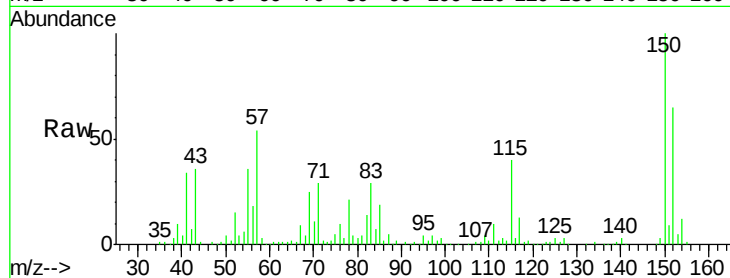
Tgt Ion:152 Resp: 125831

Ion Ratio Lower Upper

152 100

150 153.6 124.9 187.3

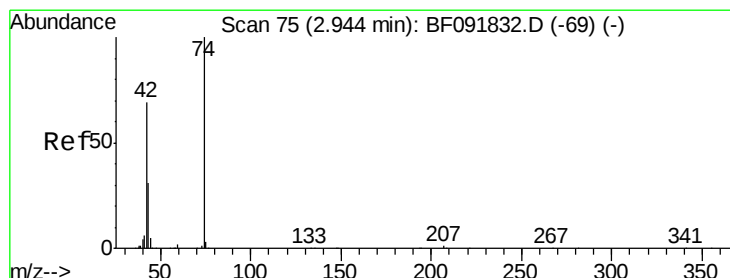
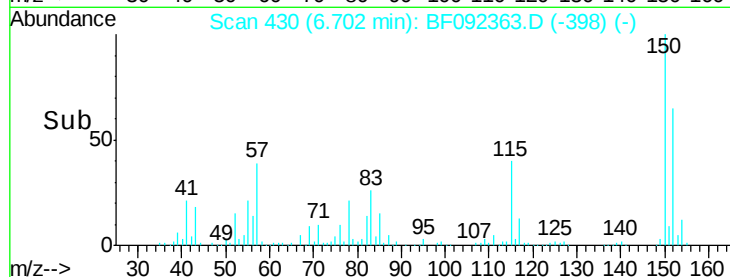
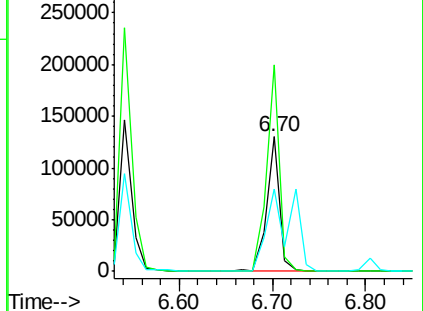
115 61.1 46.0 69.0



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



#4

n-Nitrosodimethylamine

Concen: 2.17 ng

RT: 2.68 min Scan# 78

Delta R.T. -0.01 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

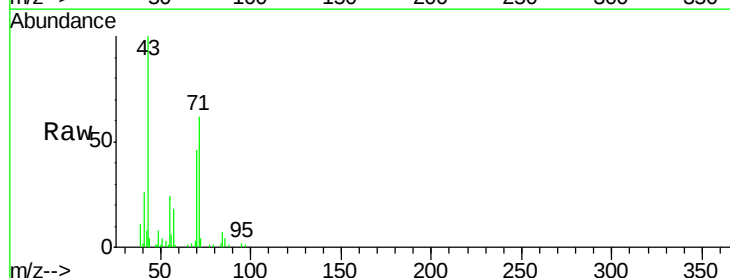
Tgt Ion: 42 Resp: 10614

Ion Ratio Lower Upper

42 100

74 0.0 117.0 175.4#

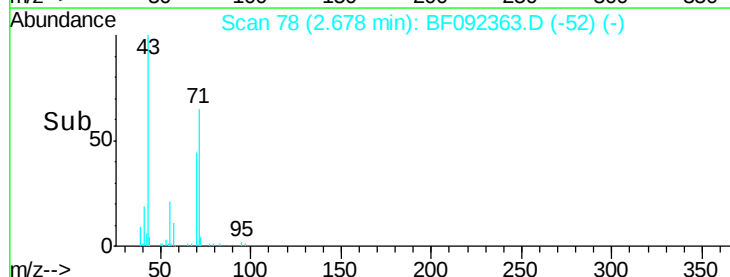
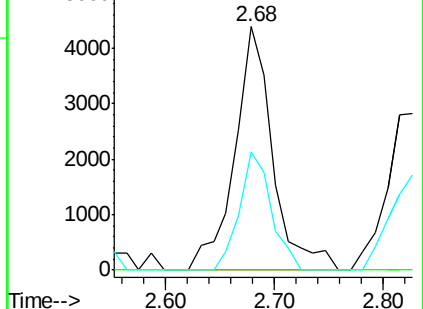
44 48.3 5.5 8.3#

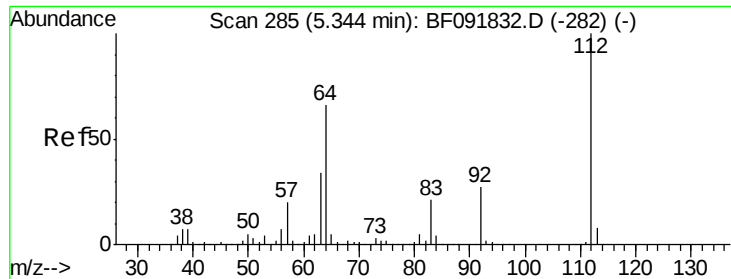


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 18.75 ng

RT: 5.14 min Scan# 293

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

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ClientSampleId :

GW

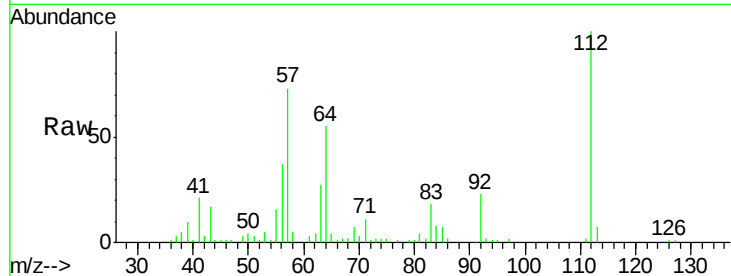
Tgt Ion: 112 Resp: 141314

Ion Ratio Lower Upper

112 100

64 54.9 46.1 69.1

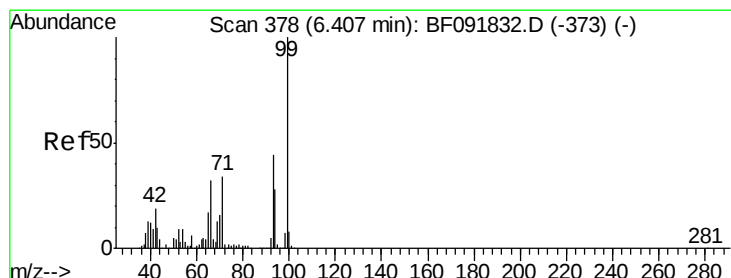
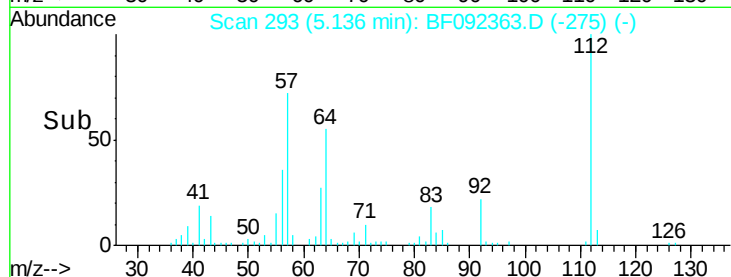
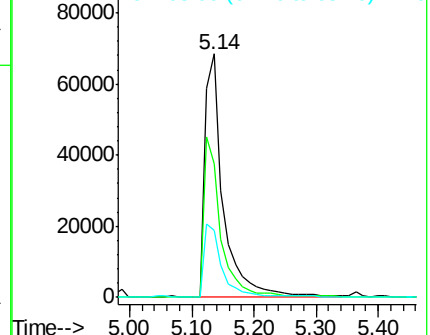
63 27.3 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 12.34 ng

RT: 6.22 min Scan# 388

Delta R.T. -0.09 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

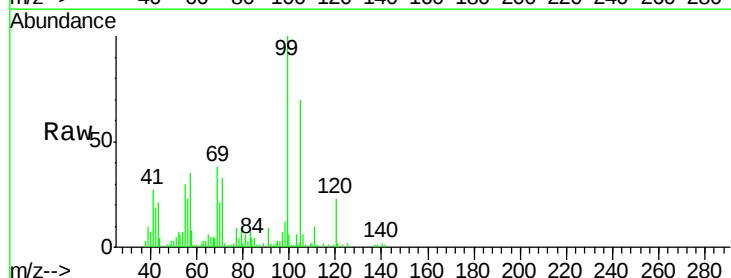
Tgt Ion: 99 Resp: 113540

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

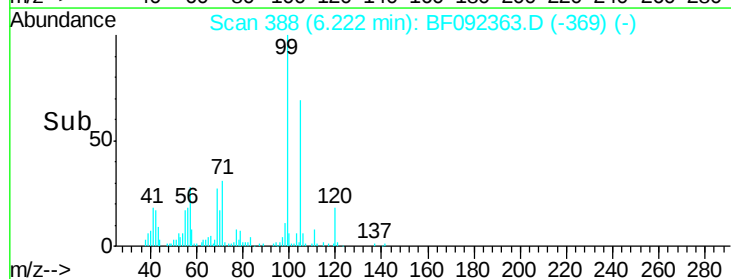
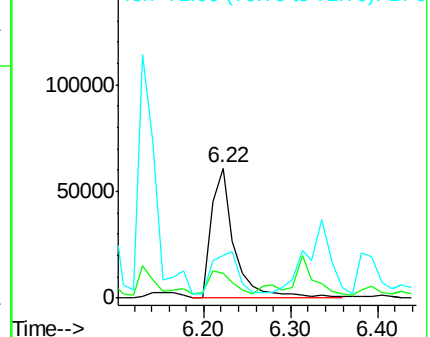
71 32.6 27.5 41.3

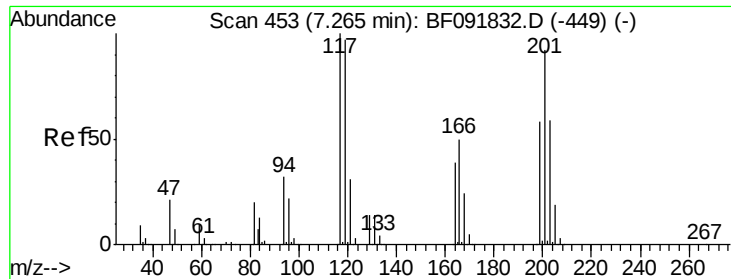


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

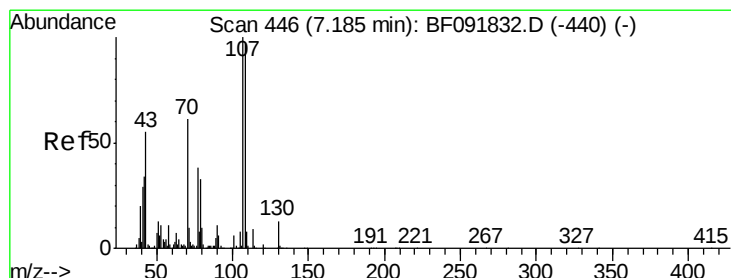
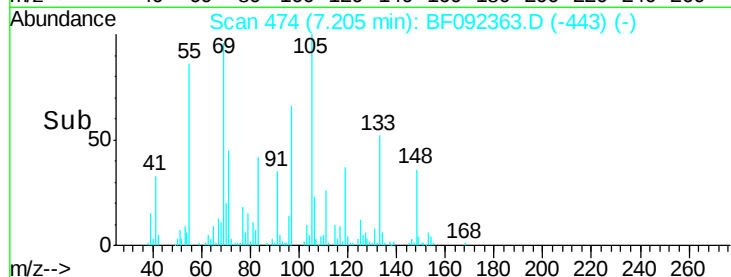
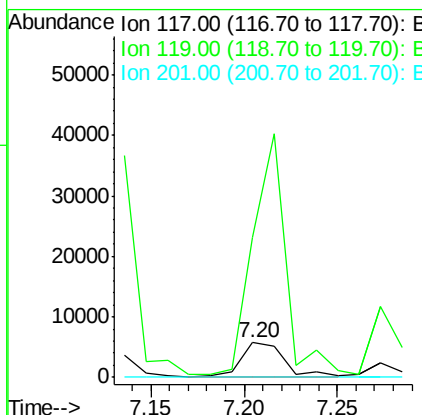
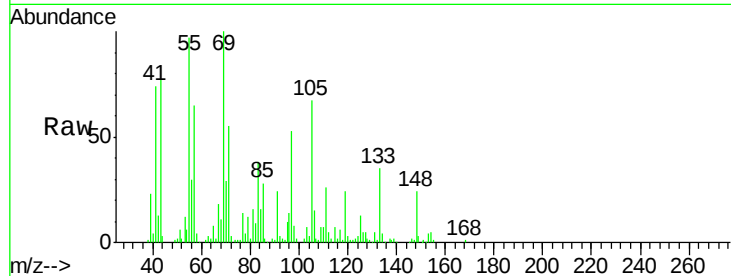




#18
Hexachloroethane
Concen: 2.71 ng
RT: 7.20 min Scan# 474
Delta R.T. 0.05 min
Lab File: BF092363.D
Acq: 18 Jan 2017 20:54

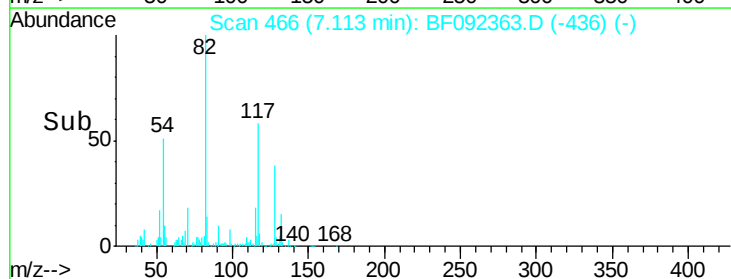
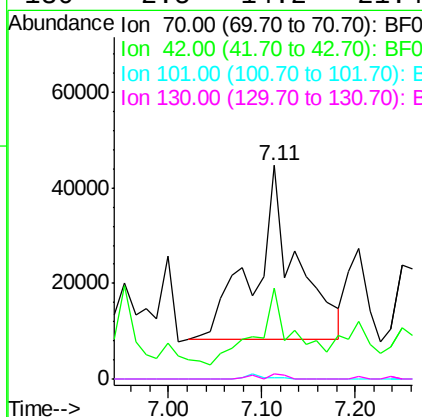
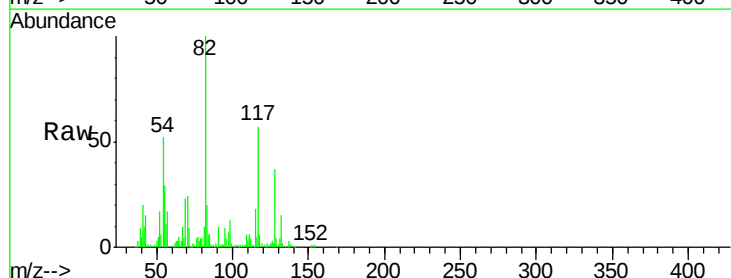
Instrument :
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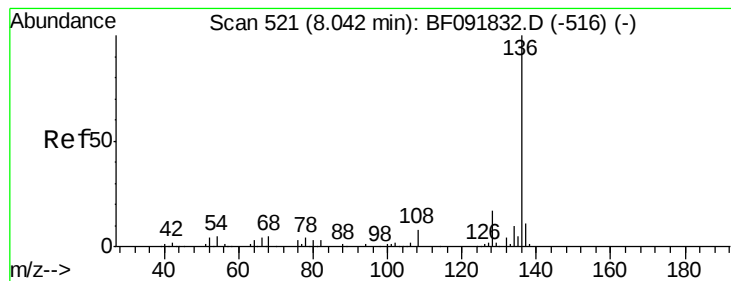
Tgt Ion: 117 Resp: 9370
Ion Ratio Lower Upper
117 100
119 402.9 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.82 ng
RT: 7.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: BF092363.D
Acq: 18 Jan 2017 20:54

Tgt Ion: 70 Resp: 115194
Ion Ratio Lower Upper
70 100
42 42.8 49.4 74.0#
101 0.9 7.4 11.2#
130 2.5 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 529

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

GW

Tgt Ion:136 Resp: 424859

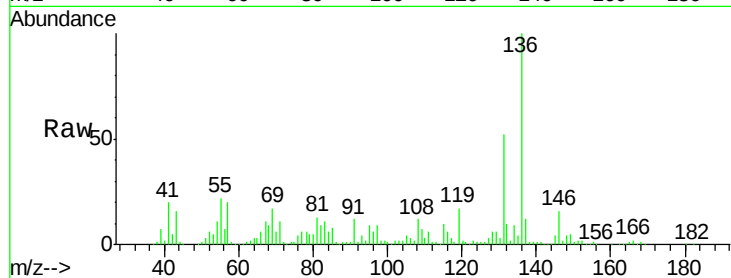
Ion Ratio Lower Upper

136 100

137 12.0 8.4 12.6

54 10.7 4.5 6.7#

68 9.1 3.6 5.4#

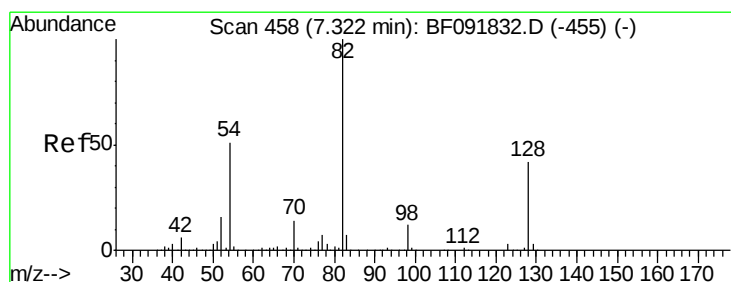
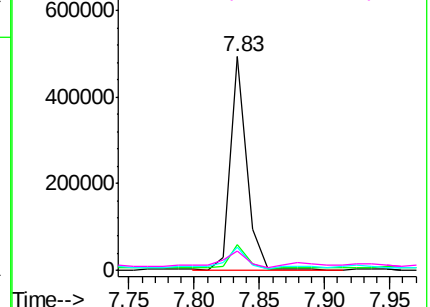
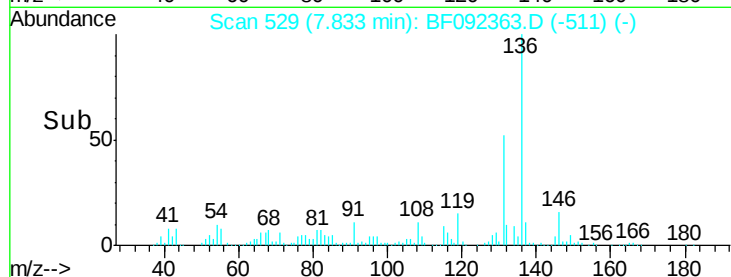


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 26.81 ng

RT: 7.11 min Scan# 466

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

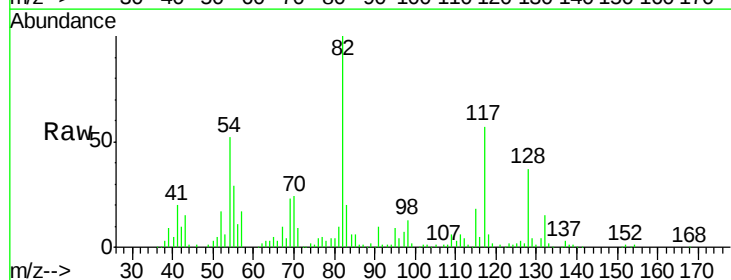
Tgt Ion: 82 Resp: 204832

Ion Ratio Lower Upper

82 100

128 37.0 34.6 52.0

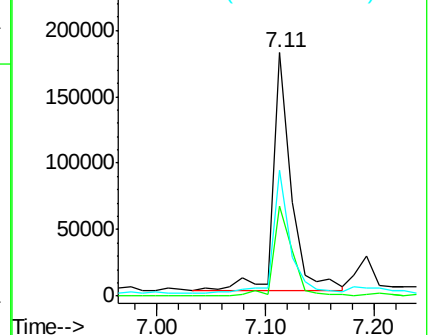
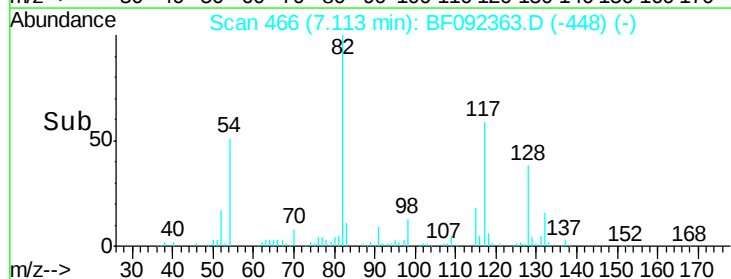
54 51.6 39.5 59.3

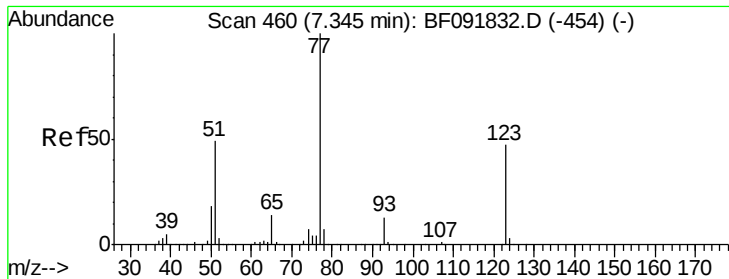


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 6.77 ng

RT: 7.09 min Scan# 464

Delta R.T. -0.15 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

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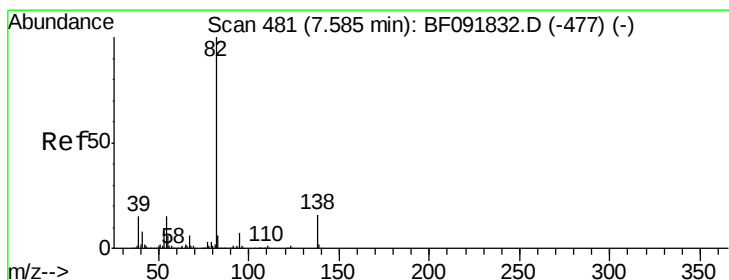
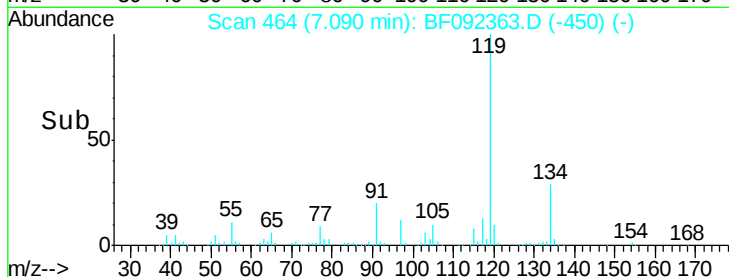
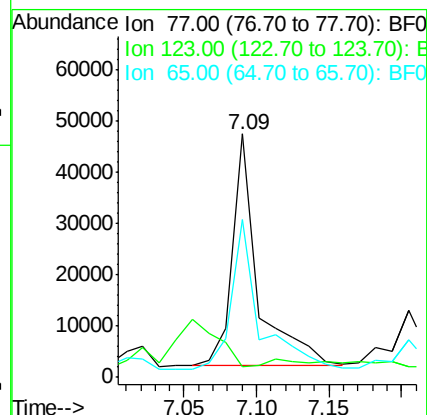
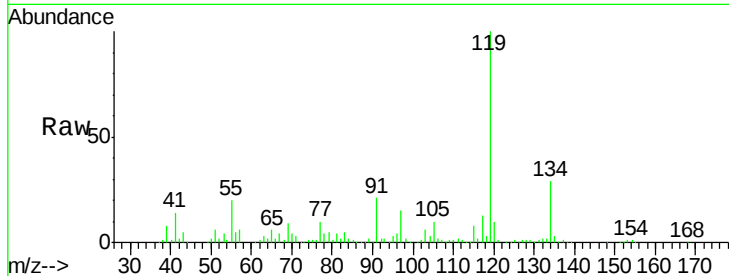
Tgt Ion: 77 Resp: 55064

Ion Ratio Lower Upper

77 100

123 4.4 33.0 49.4#

65 65.0 11.2 16.8#



#25

Isophorone

Concen: 2.91 ng

RT: 7.35 min Scan# 487

Delta R.T. -0.12 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

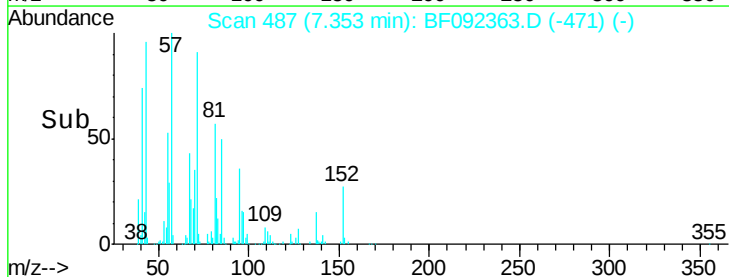
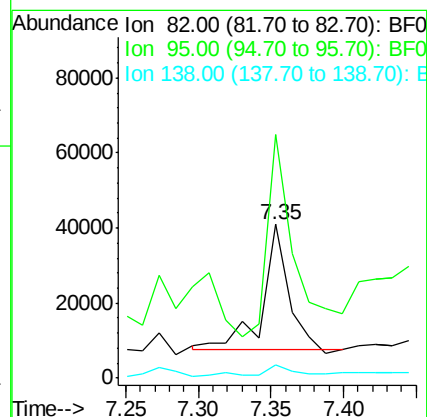
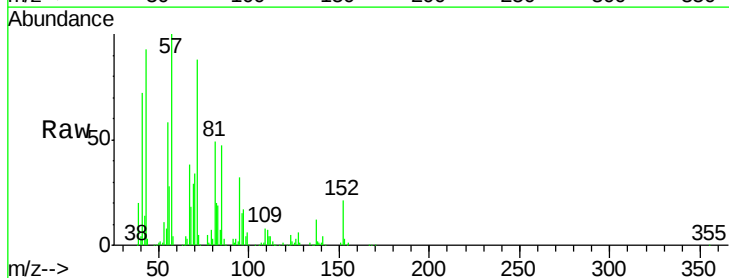
Tgt Ion: 82 Resp: 41052

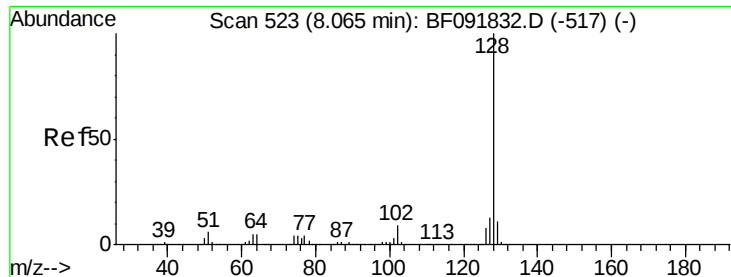
Ion Ratio Lower Upper

82 100

95 158.4 5.6 8.4#

138 8.2 14.6 22.0#

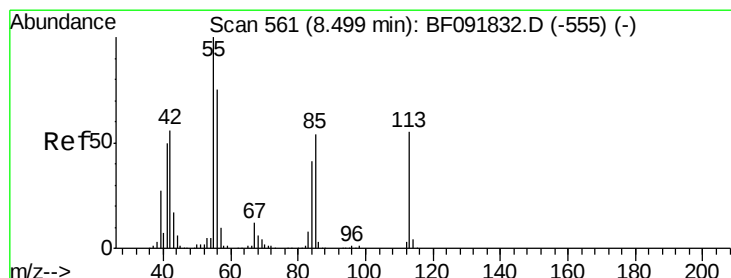
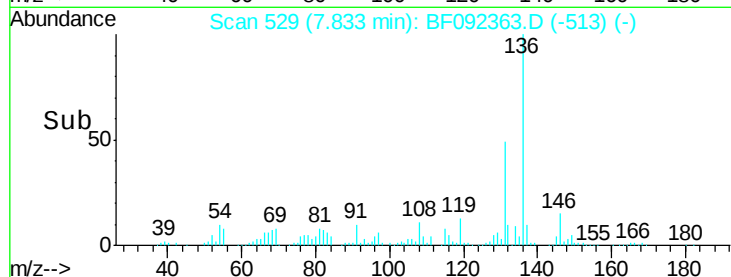
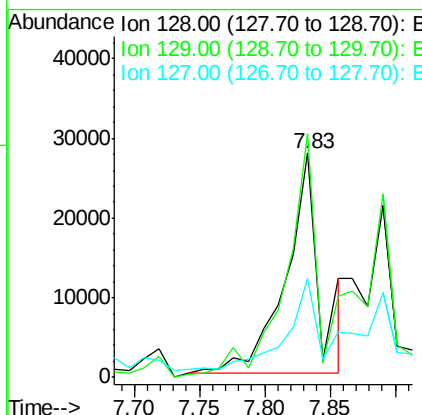
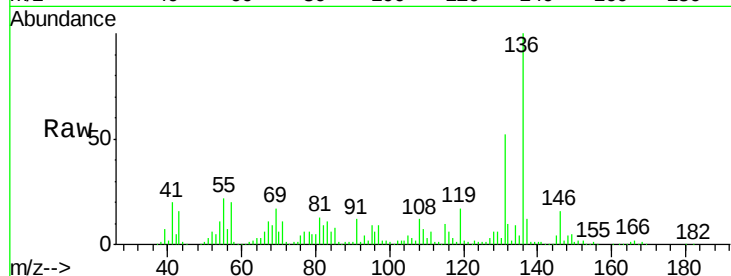




#31
Naphthalene
Concen: 2.65 ng
RT: 7.83 min Scan# 529
Delta R.T. -0.12 min
Lab File: BF092363.D
Acq: 18 Jan 2017 20:54

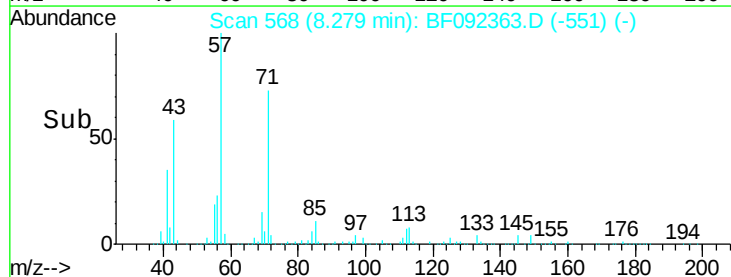
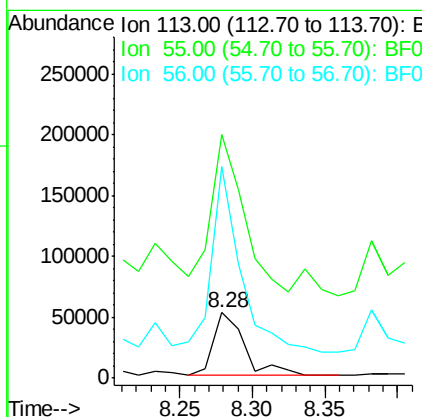
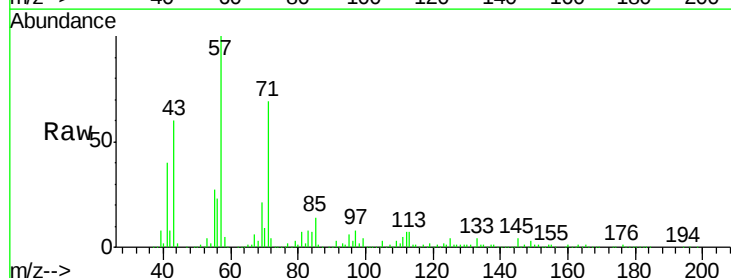
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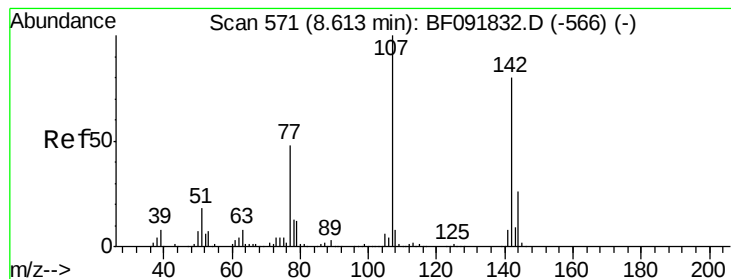
Tgt Ion:128 Resp: 51459
Ion Ratio Lower Upper
128 100
129 108.7 9.5 14.3#
127 44.2 10.8 16.2#



#35
Caprolactam
Concen: 42.26 ng
RT: 8.28 min Scan# 568
Delta R.T. -0.11 min
Lab File: BF092363.D
Acq: 18 Jan 2017 20:54

Tgt Ion:113 Resp: 78280
Ion Ratio Lower Upper
113 100
55 371.3 119.2 159.2#
56 322.0 83.8 123.8#

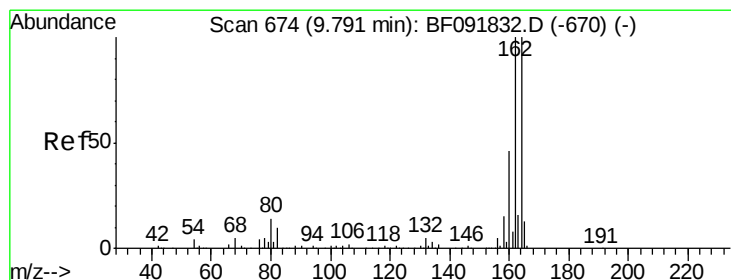
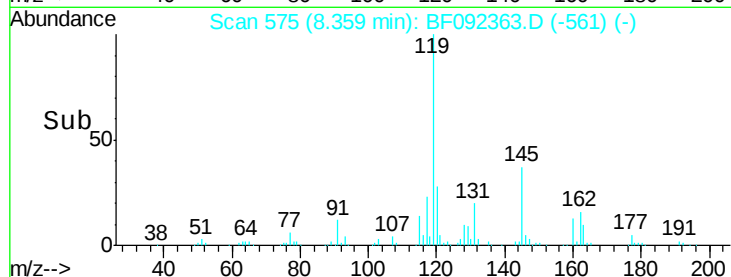
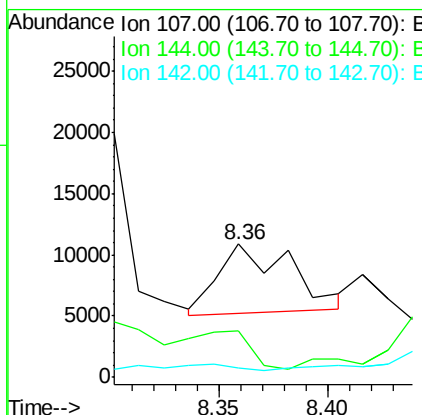
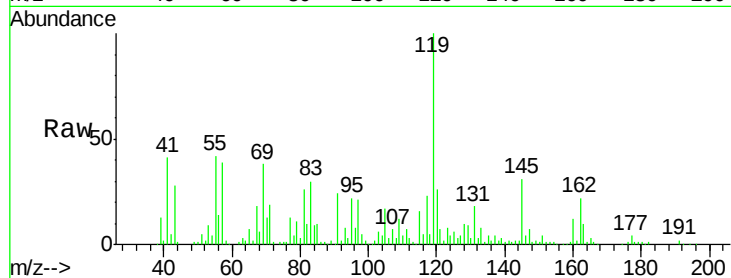




#36
 4-Chloro-3-methylphenol
 Concen: 2.01 ng
 RT: 8.36 min Scan# 575
 Delta R.T. -0.15 min
 Lab File: BF092363.D
 Acq: 18 Jan 2017 20:54

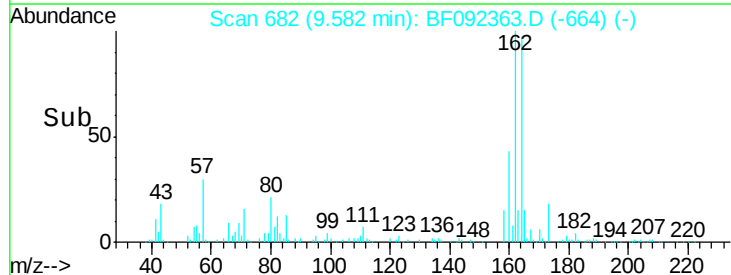
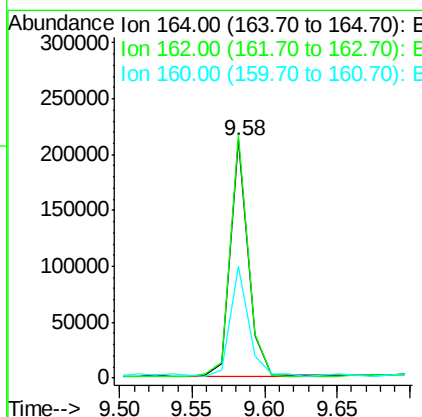
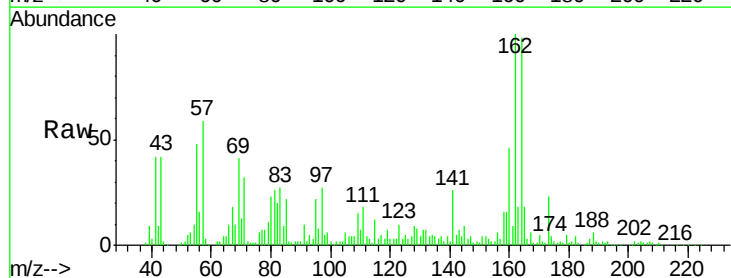
Instrument :
 BNA_F
 ClientSampleId :
 GW

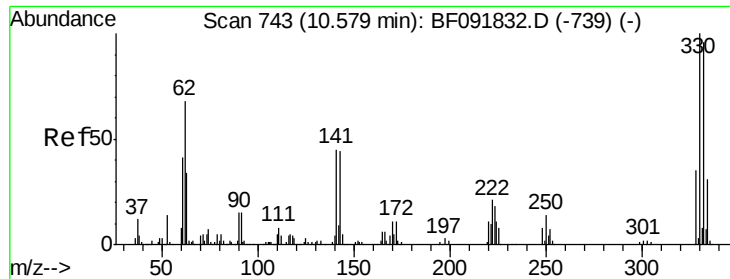
Tgt Ion:107 Resp: 13068
 Ion Ratio Lower Upper
 107 100
 144 35.1 19.3 28.9#
 142 7.4 59.0 88.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 682
 Delta R.T. -0.10 min
 Lab File: BF092363.D
 Acq: 18 Jan 2017 20:54

Tgt Ion:164 Resp: 181606
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.2 120.2
 160 47.1 36.9 55.3

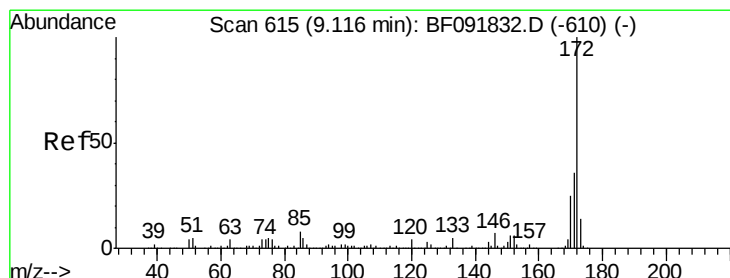
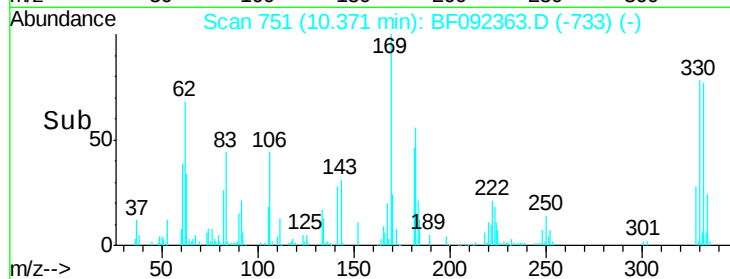
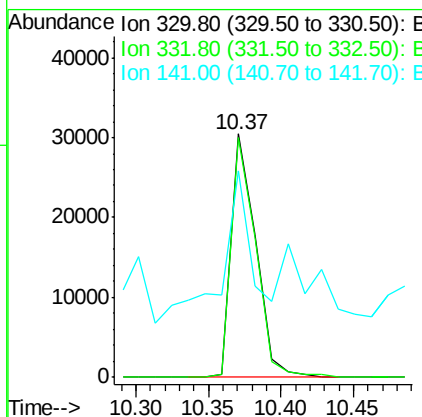
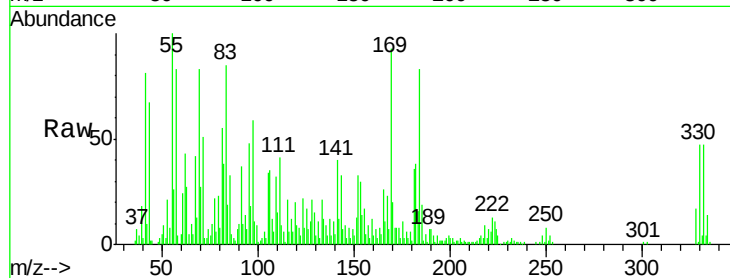




#41
 2,4,6-Tribromophenol
 Concen: 23.71 ng
 RT: 10.37 min Scan# 751
 Delta R.T. -0.10 min
 Lab File: BF092363.D
 Acq: 18 Jan 2017 20:54

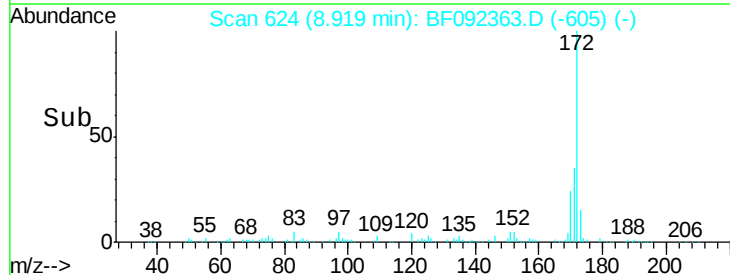
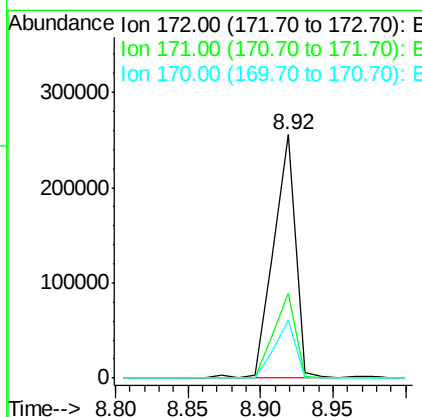
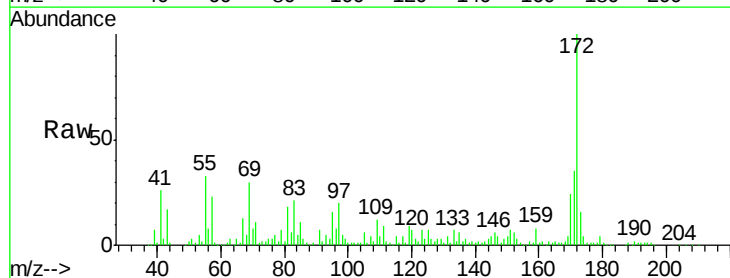
Instrument :
 BNA_F
 ClientSampleId :
 GW

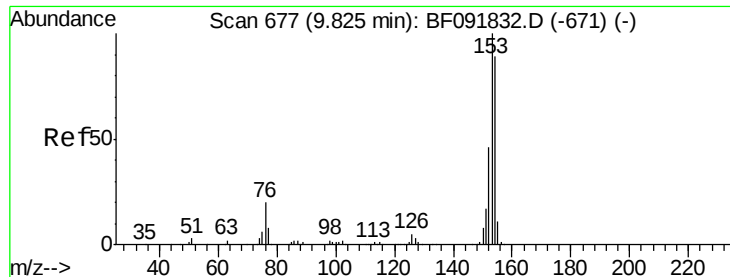
Tgt Ion: 330 Resp: 35636
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.4 116.2
 141 44.8 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 20.86 ng
 RT: 8.92 min Scan# 624
 Delta R.T. -0.09 min
 Lab File: BF092363.D
 Acq: 18 Jan 2017 20:54

Tgt Ion: 172 Resp: 271135
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.4 44.0
 170 23.6 20.2 30.4





#51

Acenaphthene

Concen: 2.82 ng

RT: 9.62 min Scan# 685

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

GW

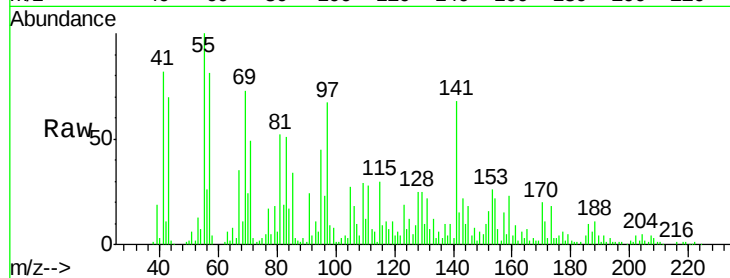
Tgt Ion:154 Resp: 28936

Ion Ratio Lower Upper

154 100

153 118.0 88.6 133.0

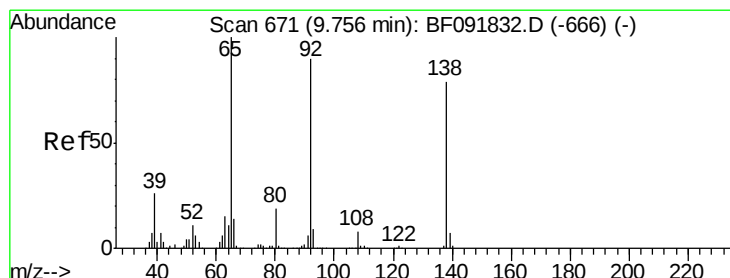
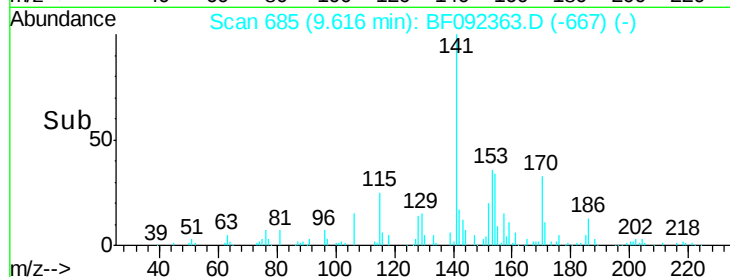
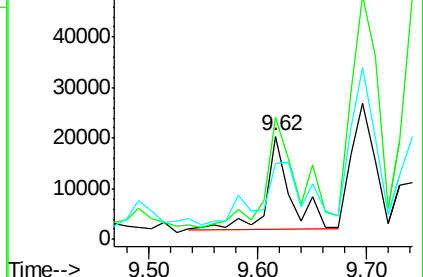
152 73.1 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.14 ng

RT: 9.54 min Scan# 678

Delta R.T. -0.11 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

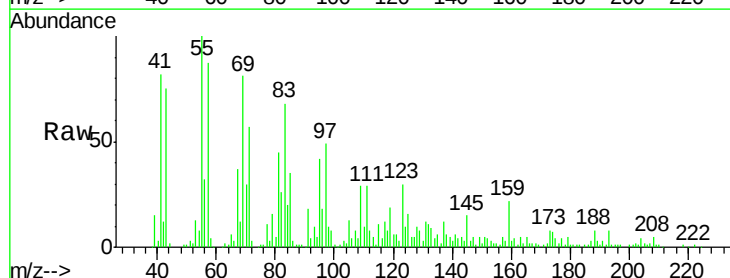
Tgt Ion:138 Resp: 9888

Ion Ratio Lower Upper

138 100

108 67.2 8.5 12.7#

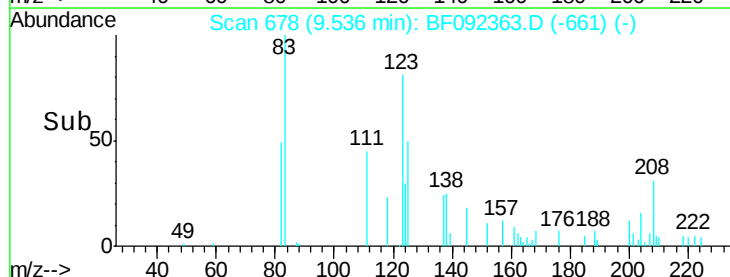
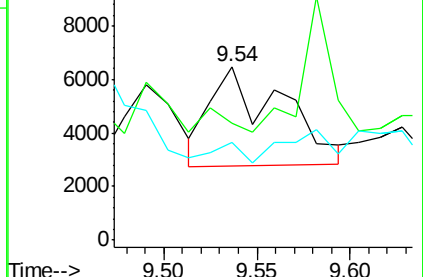
92 56.4 97.8 146.8#

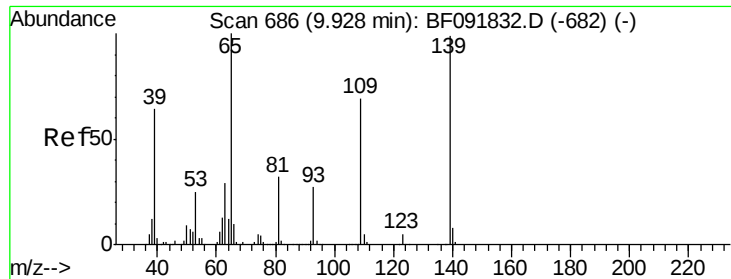


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

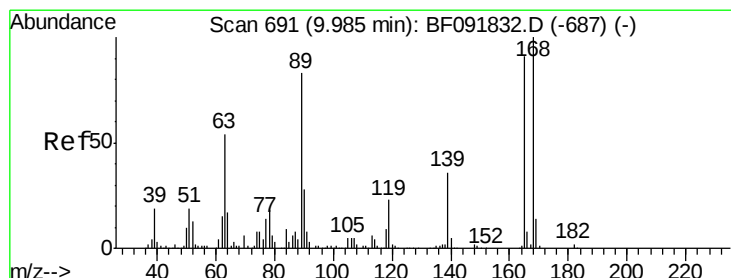
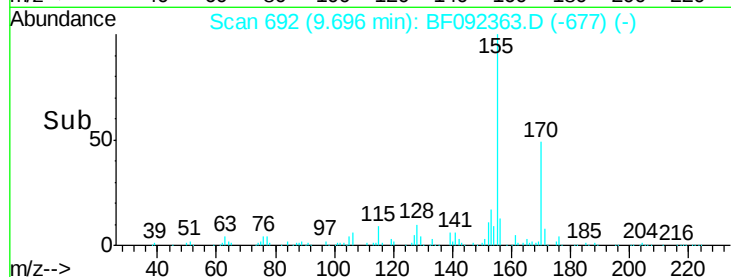
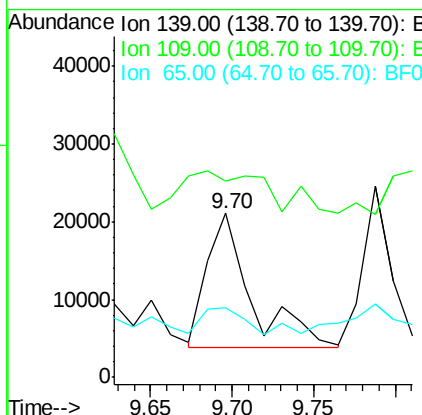
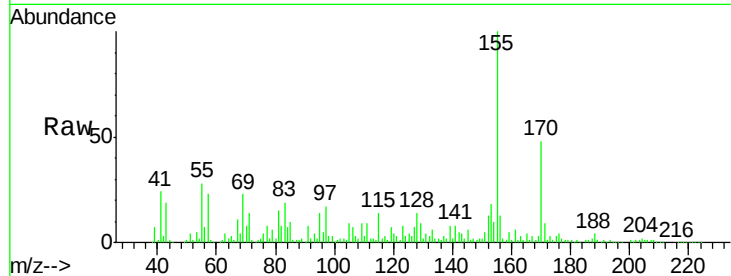




#55
4-Nitrophenol
Concen: 15.30 ng
RT: 9.70 min Scan# 692
Delta R.T. -0.13 min
Lab File: BF092363.D
Acq: 18 Jan 2017 20:54

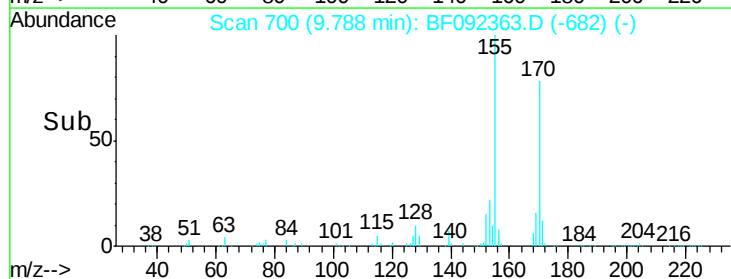
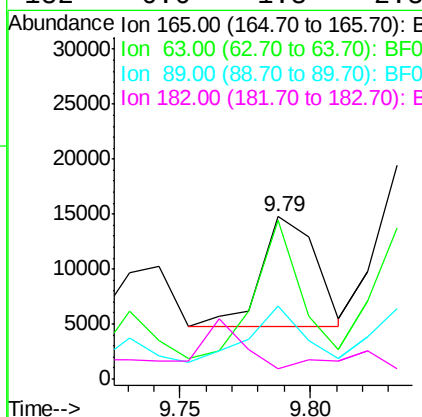
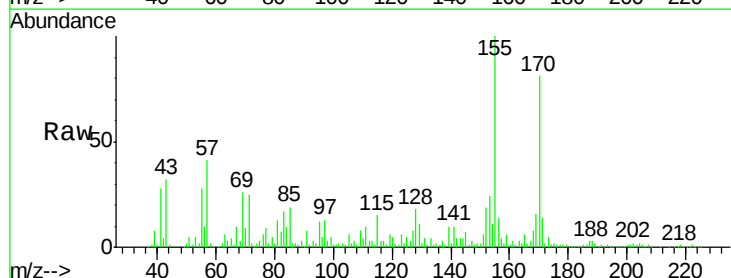
Instrument :
BNA_F
ClientSampled :
GW

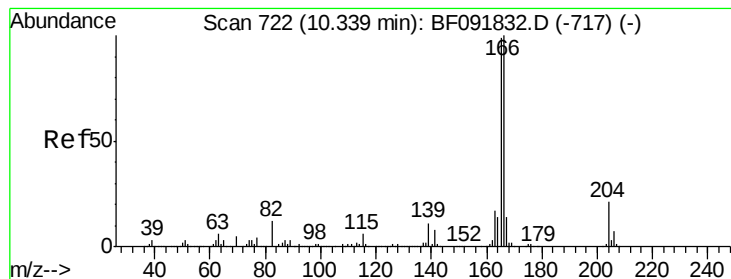
Tgt Ion:139 Resp: 32690
Ion Ratio Lower Upper
139 100
109 120.0 52.2 92.2#
65 42.1 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 4.46 ng
RT: 9.79 min Scan# 700
Delta R.T. -0.10 min
Lab File: BF092363.D
Acq: 18 Jan 2017 20:54

Tgt Ion:165 Resp: 14223
Ion Ratio Lower Upper
165 100
63 97.7 40.2 60.4#
89 45.0 62.5 93.7#
182 6.6 1.8 2.8#





#57

Fluorene

Concen: 3.89 ng

RT: 10.13 min Scan# 730

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

GW

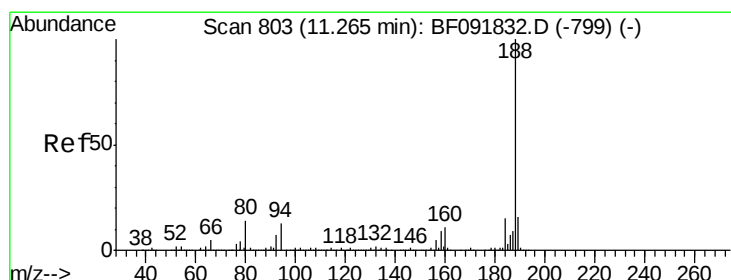
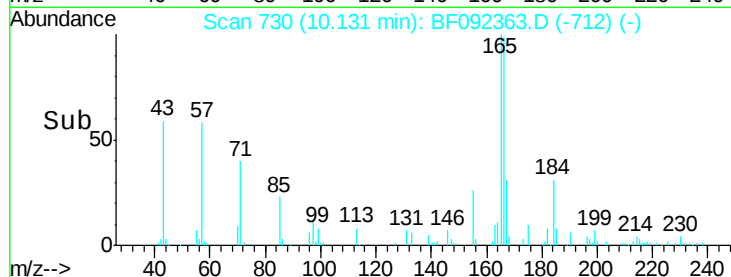
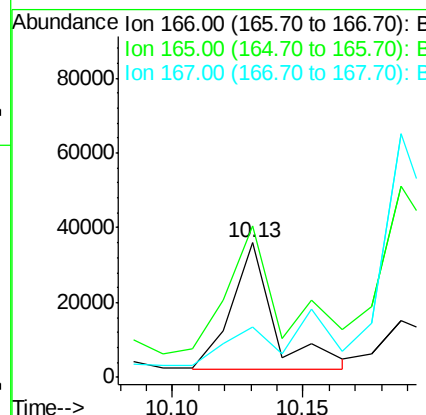
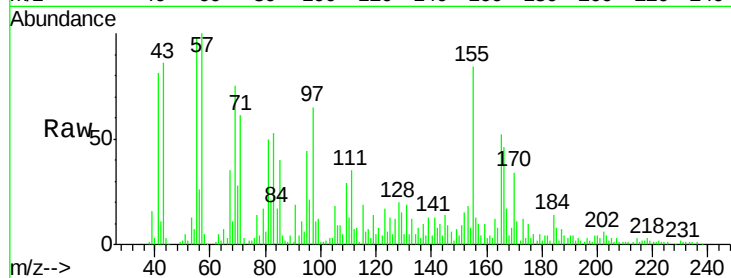
Tgt Ion:166 Resp: 39204

Ion Ratio Lower Upper

166 100

165 112.7 77.8 116.8

167 37.1 10.8 16.2#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 811

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

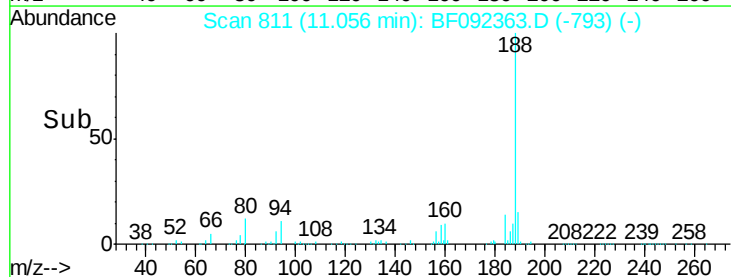
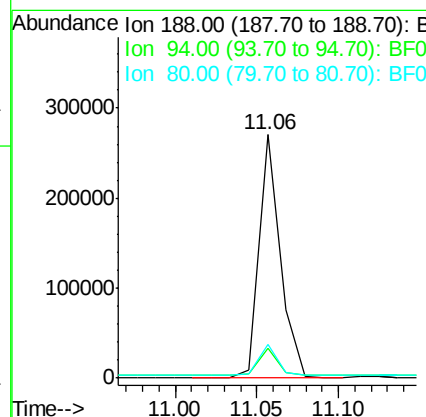
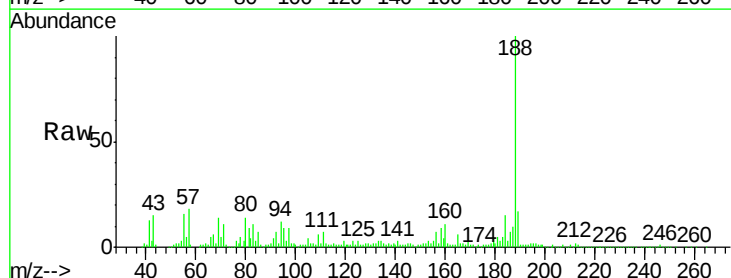
Tgt Ion:188 Resp: 244613

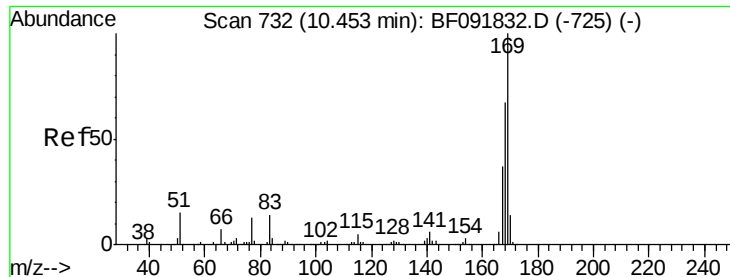
Ion Ratio Lower Upper

188 100

94 12.1 10.0 15.0

80 13.6 11.2 16.8





#65

n-Nitrosodiphenylamine

Concen: 23.48 ng

RT: 10.24 min Scan# 740

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampled :

GW

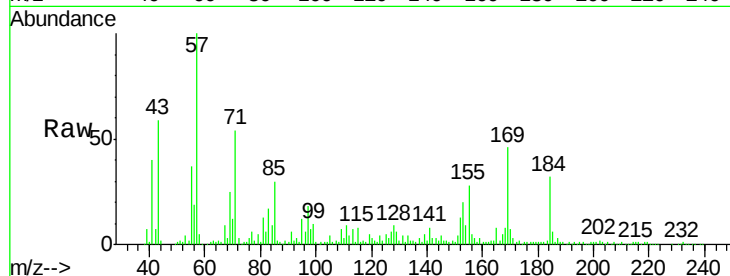
Tgt Ion:169 Resp: 170396

Ion Ratio Lower Upper

169 100

168 16.7 54.2 81.2#

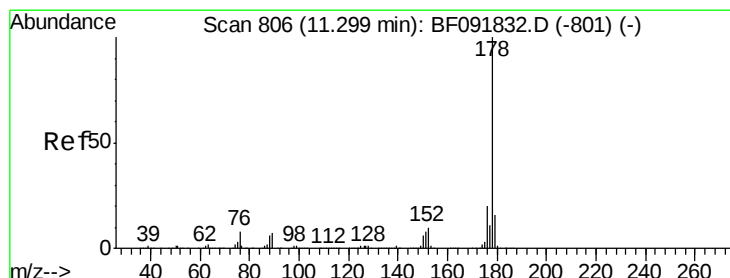
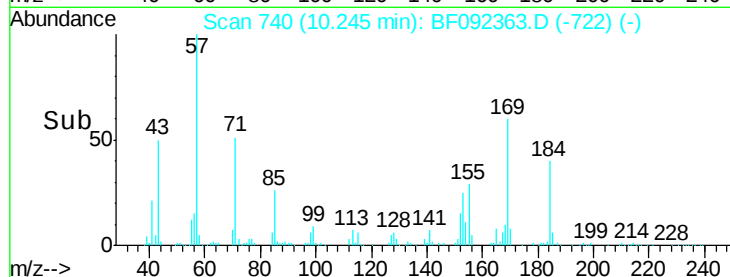
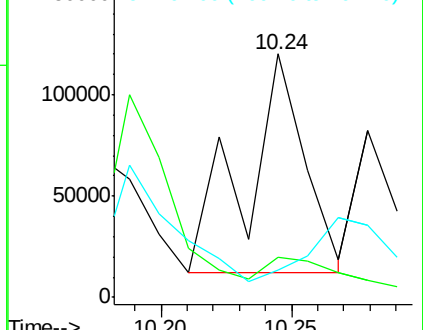
167 11.2 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 8.71 ng

RT: 11.08 min Scan# 813

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

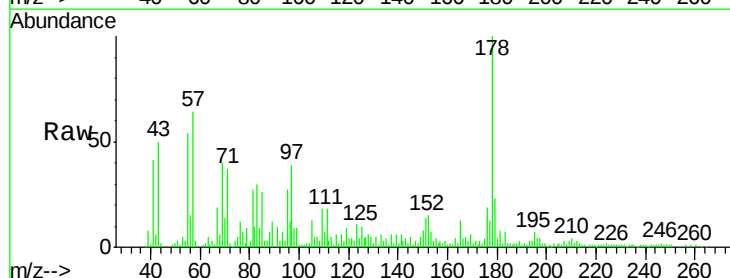
Tgt Ion:178 Resp: 115487

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

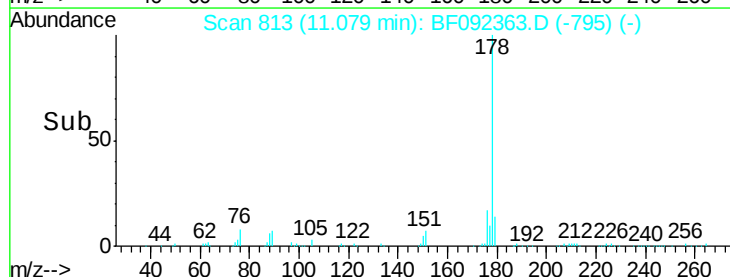
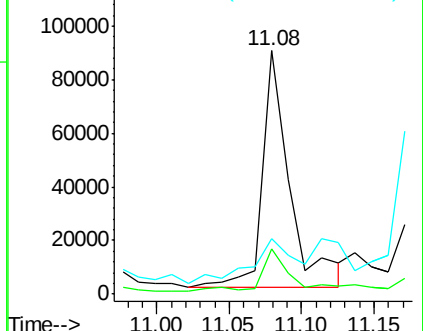
179 22.7 12.8 19.2#

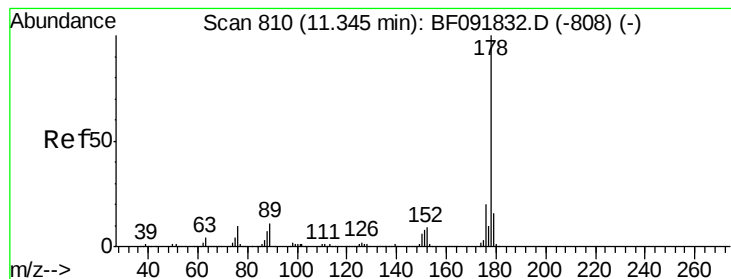


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 6.37 ng

RT: 11.18 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

GW

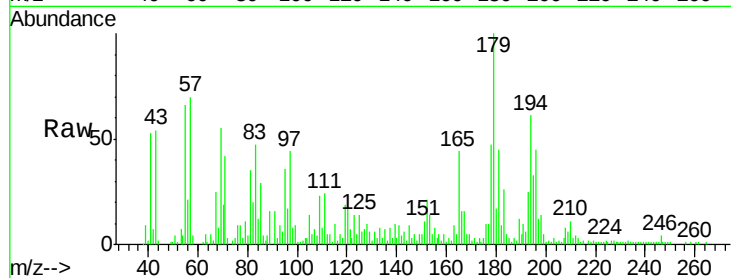
Tgt Ion:178 Resp: 103247

Ion Ratio Lower Upper

178 100

176 20.8 15.9 23.9

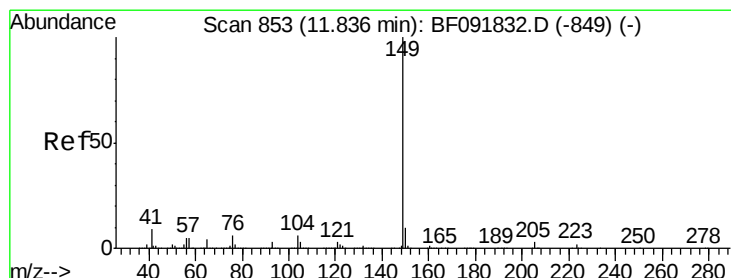
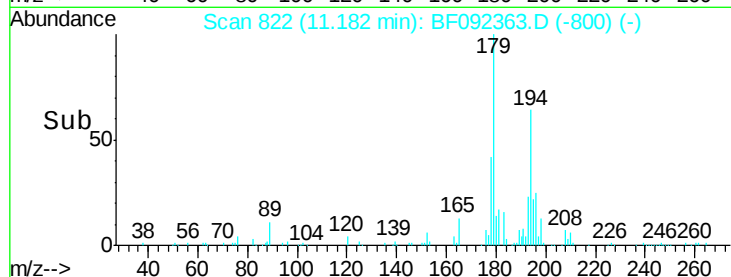
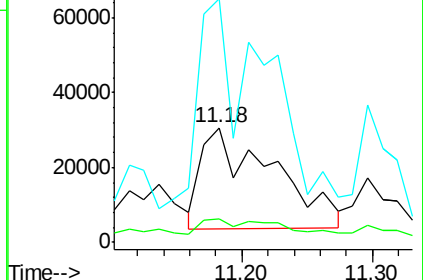
179 212.8 13.2 19.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.64 min Scan# 862

Delta R.T. -0.09 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

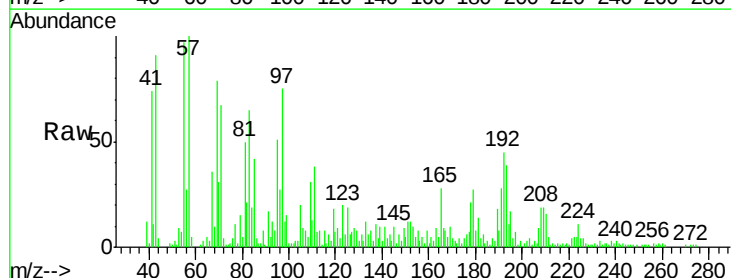
Tgt Ion:149 Resp: 3859

Ion Ratio Lower Upper

149 100

150 49.7 8.1 12.1#

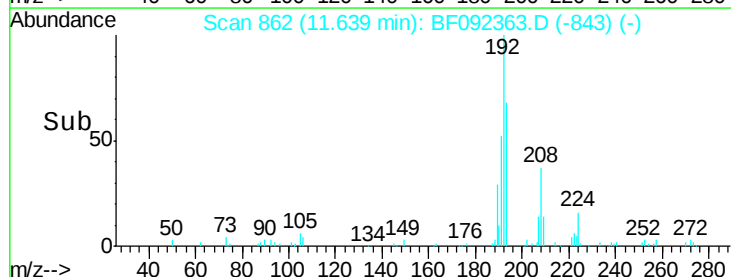
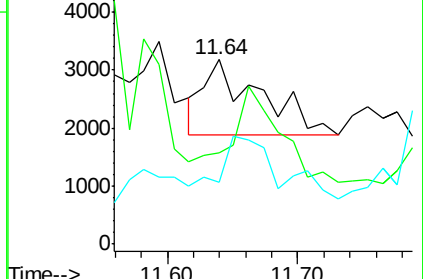
104 33.8 4.6 7.0#

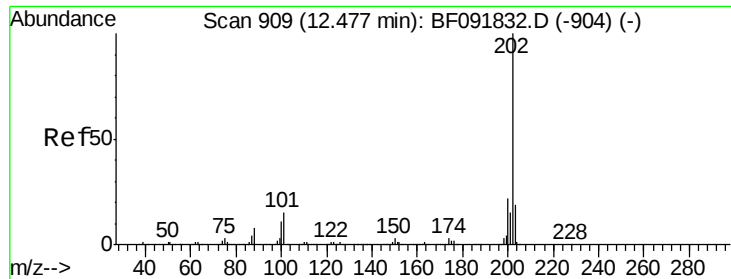


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.27 min Scan# 917

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

Instrument :

BNA_F

ClientSampleId :

GW

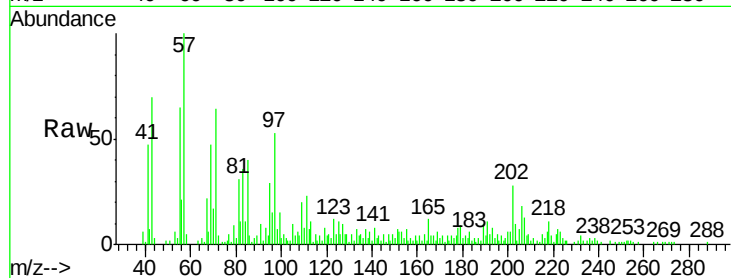
Tgt Ion:202 Resp: 8360

Ion Ratio Lower Upper

202 100

101 19.6 0.0 34.6

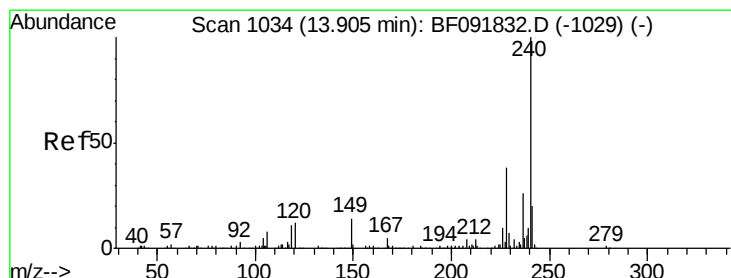
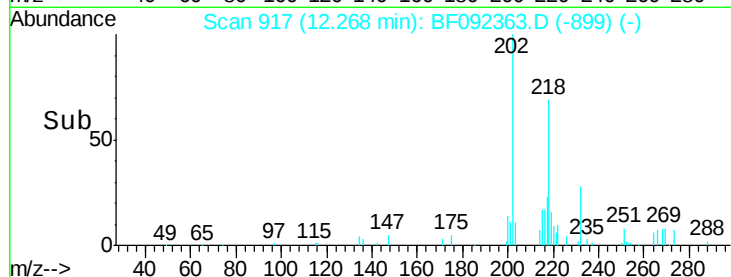
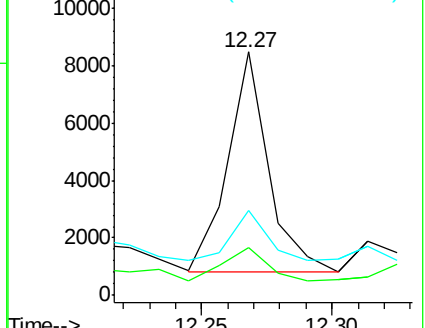
203 34.7 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1041

Delta R.T. -0.10 min

Lab File: BF092363.D

Acq: 18 Jan 2017 20:54

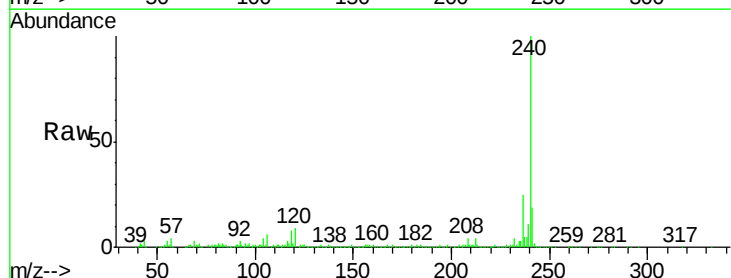
Tgt Ion:240 Resp: 271882

Ion Ratio Lower Upper

240 100

120 9.3 12.9 19.3#

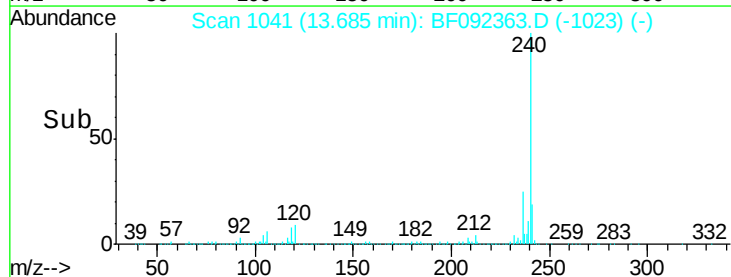
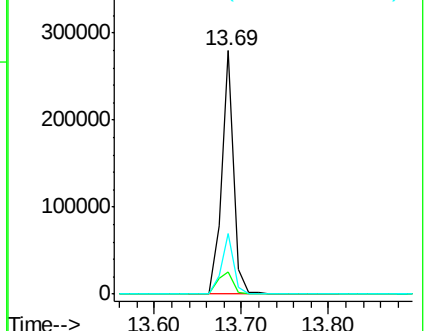
236 24.7 20.9 31.3

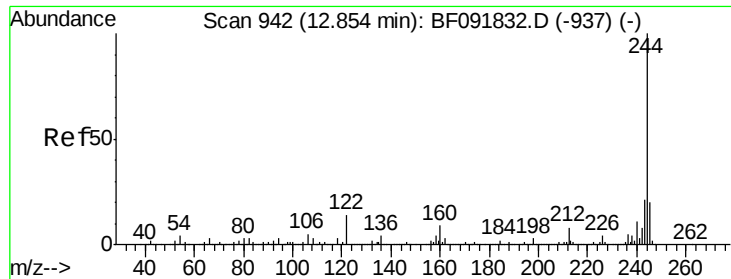


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

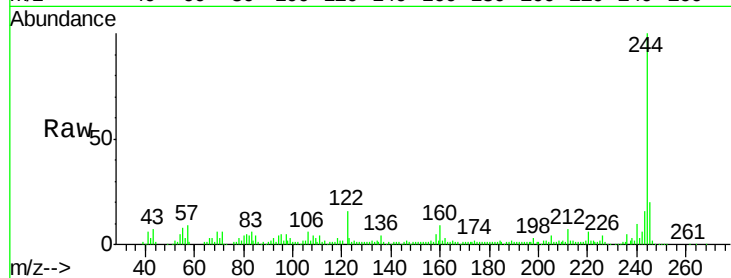




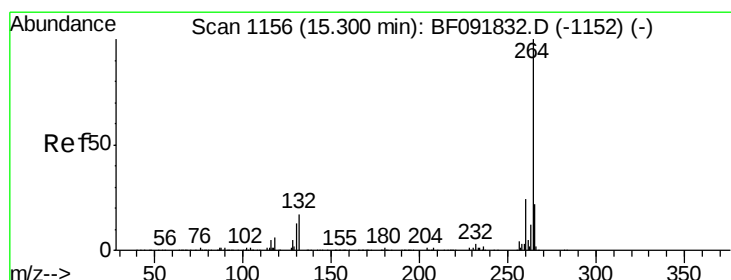
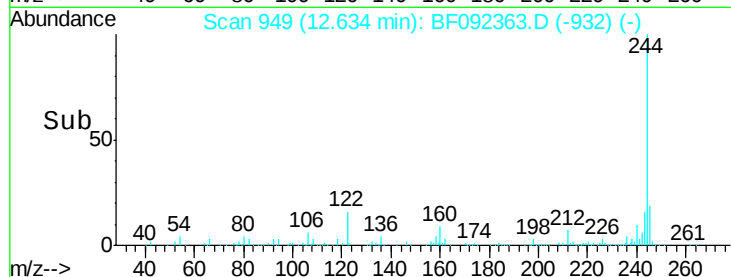
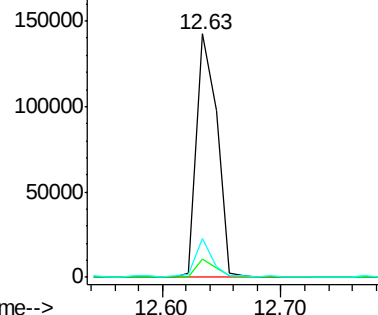
#78
 Terphenyl-d14
 Concen: 15.13 ng
 RT: 12.63 min Scan# 949
 Delta R.T. -0.11 min
 Lab File: BF092363.D
 Acq: 18 Jan 2017 20:54

Instrument :
 BNA_F
 ClientSampleId :
 GW

Tgt Ion:244 Resp: 169592
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 16.2 11.4 17.2

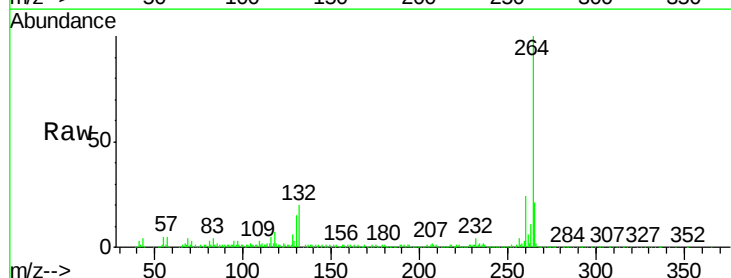


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1159
 Delta R.T. -0.11 min
 Lab File: BF092363.D
 Acq: 18 Jan 2017 20:54

Tgt Ion:264 Resp: 260397
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.4 17.4 26.0



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

