

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010517\
 Data File : BF092104.D
 Acq On : 5 Jan 2017 22:20
 Operator : UM/SJ
 Sample : I1004-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18

Quant Time: Jan 06 00:04:42 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

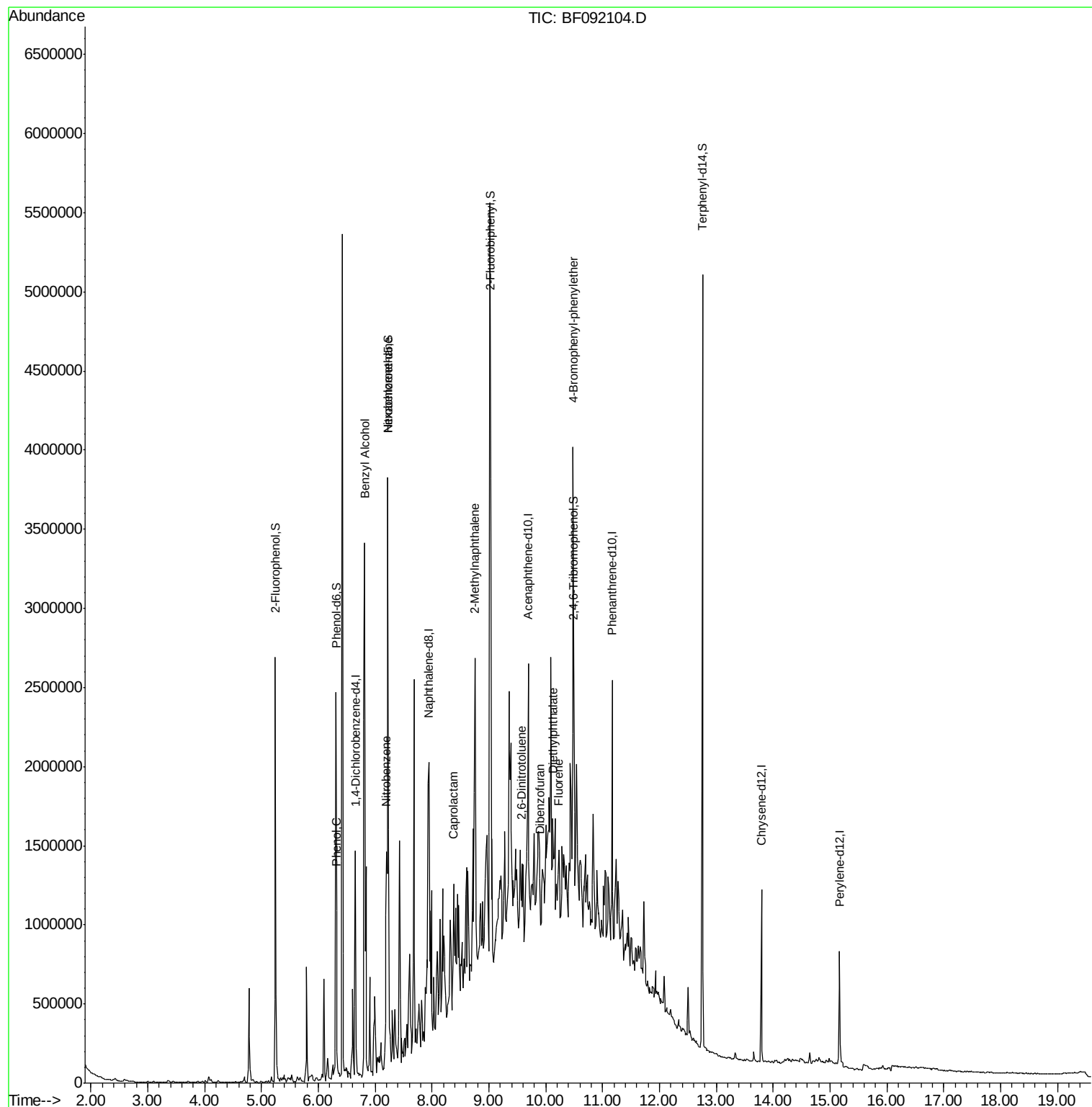
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	215870	20.00	ng	-0.05
21) Naphthalene-d8	7.94	136	729459	20.00	ng	-0.05
38) Acenaphthene-d10	9.69	164	396371	20.00	ng	-0.06
63) Phenanthrene-d10	11.17	188	580312	20.00	ng	-0.06
75) Chrysene-d12	13.80	240	407953	20.00	ng	-0.07
86) Perylene-d12	15.17	264	348071	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	800285	61.90	ng	-0.07
7) Phenol-d6	6.31	99	943148	59.75	ng	-0.07
23) Nitrobenzene-d5	7.22	82	1092295	83.26	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	478446	145.86	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	2064138	110.58	ng	-0.06
78) Terphenyl-d14	12.76	244	1565988	93.10	ng	-0.06
Target Compounds						
10) Phenol	6.32	94	43750	2.43	ng	Qvalue 88
15) Benzyl Alcohol	6.81	79	25228	2.06	ng	# 21
18) Hexachloroethane	7.22	117	568249	95.92	ng	# 2
24) Nitrobenzene	7.20	77	84833	6.07	ng	# 23
35) Caprolactam	8.38	113	9290	2.92	ng	# 1
37) 2-Methylnaphthalene	8.76	142	518642	21.44	ng	98
50) 2,6-Dinitrotoluene	9.58	165	12781	2.30	ng	# 49
54) Dibenzofuran	9.90	168	79313	2.62	ng	# 92
57) Fluorene	10.23	166	59061	2.68	ng	# 94
59) Diethylphthalate	10.13	149	147811	6.00	ng	# 90
66) 4-Bromophenyl-phenylether	10.48	248	28372	4.70	ng	# 1
71) Anthracene	11.29	178	4749	Below Cal	#	1
73) Di-n-butylphthalate	11.75	149	5840	Below Cal	#	40
74) Fluoranthene	12.38	202	1954	Below Cal	#	11
76) Benzidine	12.49	184	929	Below Cal	#	1

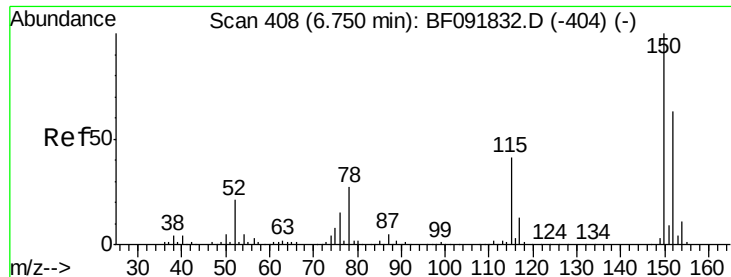
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

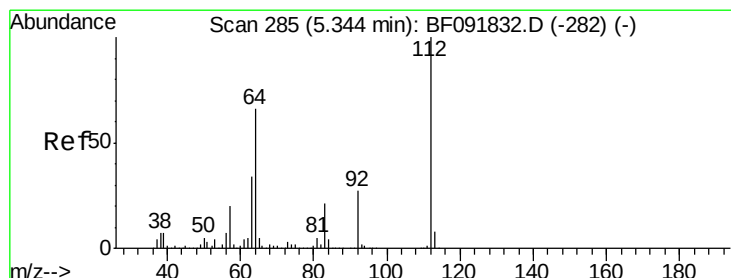
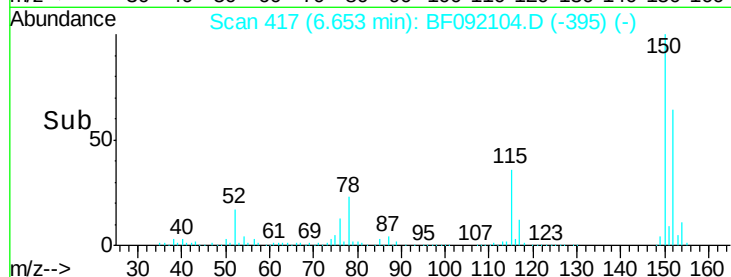
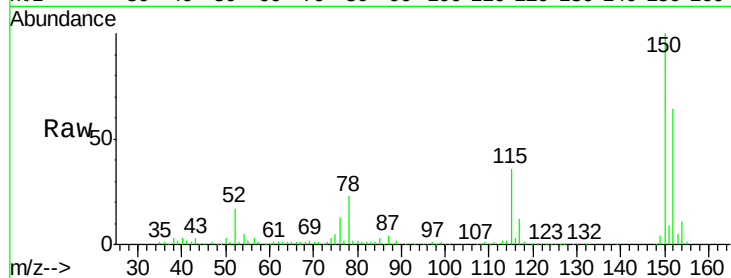
Tgt Ion:152 Resp: 215870

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

115 56.7 46.0 69.0



#5

2-Fluorophenol

Concen: 61.90 ng

RT: 5.25 min Scan# 294

Delta R.T. -0.07 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

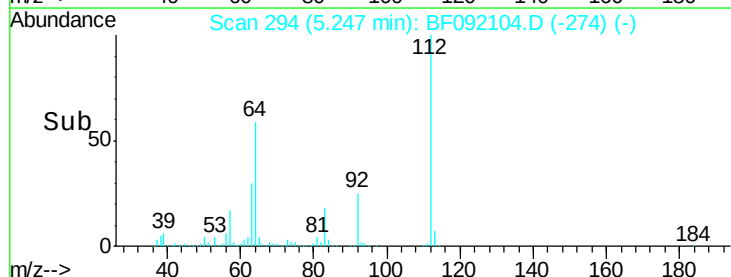
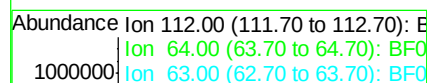
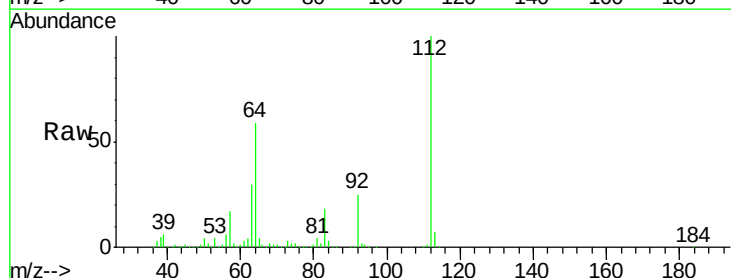
Tgt Ion:112 Resp: 800285

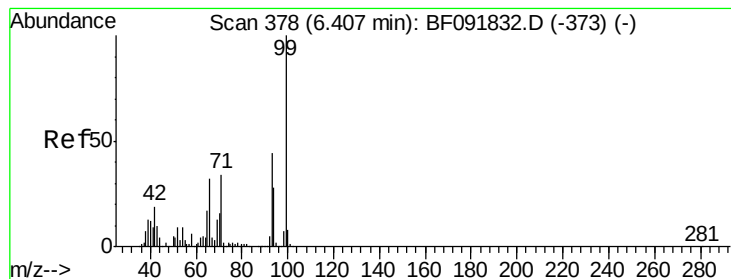
Ion Ratio Lower Upper

112 100

64 58.9 46.1 69.1

63 29.8 23.8 35.6





#7

Phenol-d6

Concen: 59.75 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.07 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampled :

MW-18

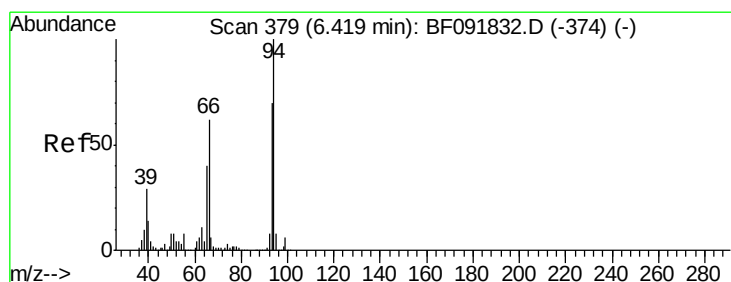
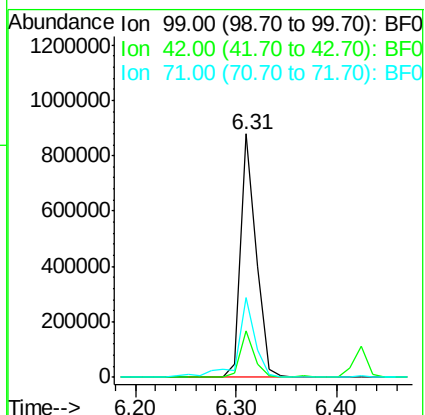
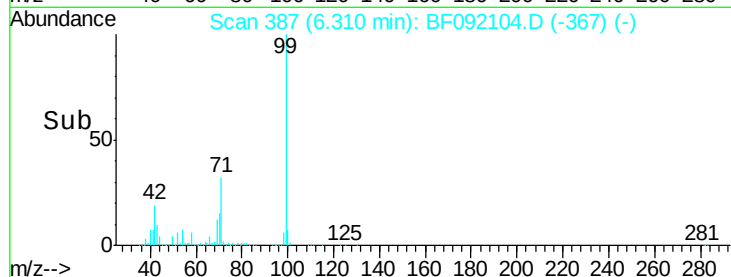
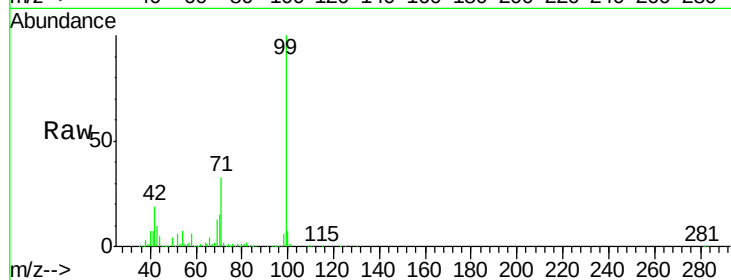
Tgt Ion: 99 Resp: 943148

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

71 32.6 27.5 41.3



#10

Phenol

Concen: 2.43 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.07 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

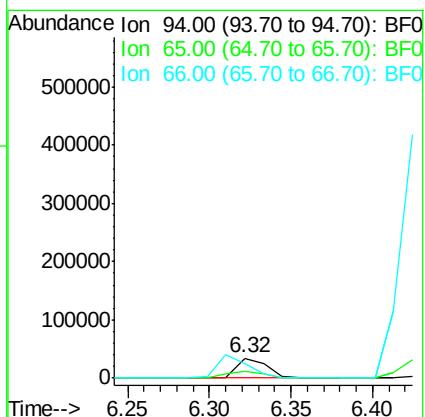
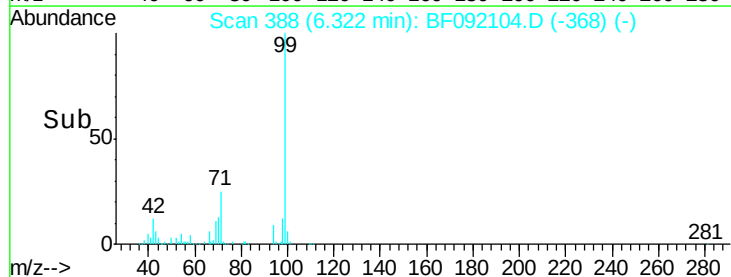
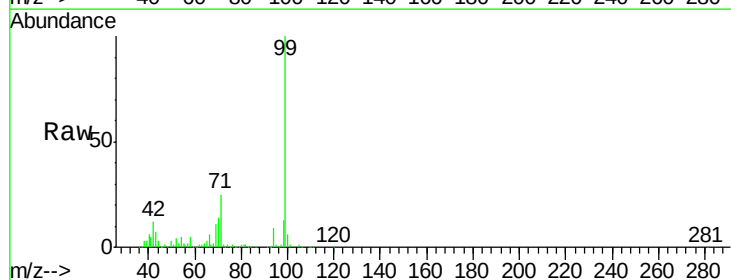
Tgt Ion: 94 Resp: 43750

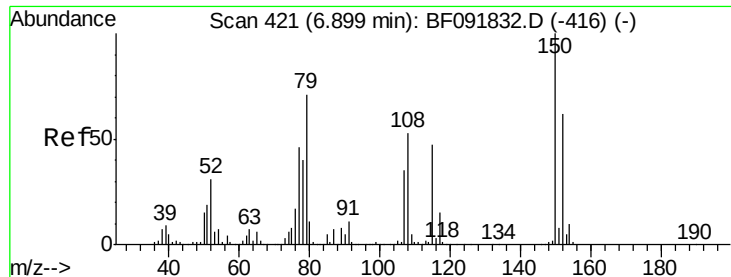
Ion Ratio Lower Upper

94 100

65 37.1 21.4 61.4

66 75.5 44.0 84.0





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.81 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

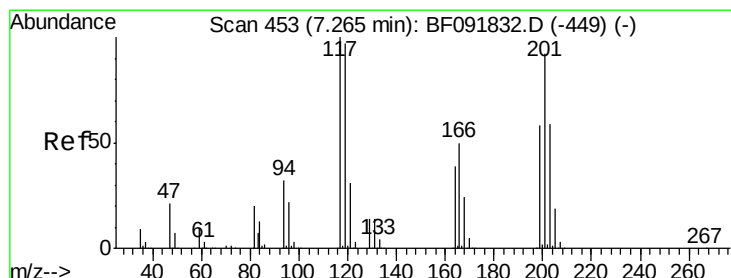
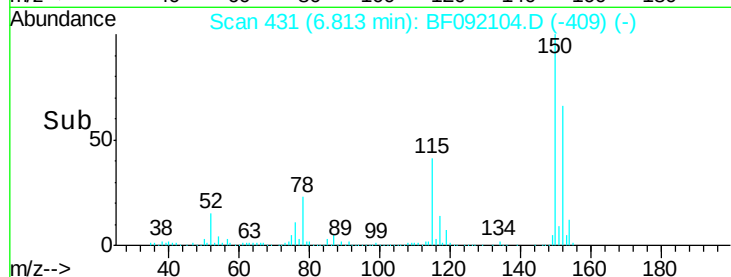
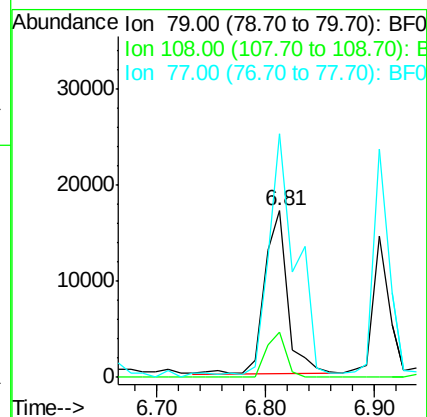
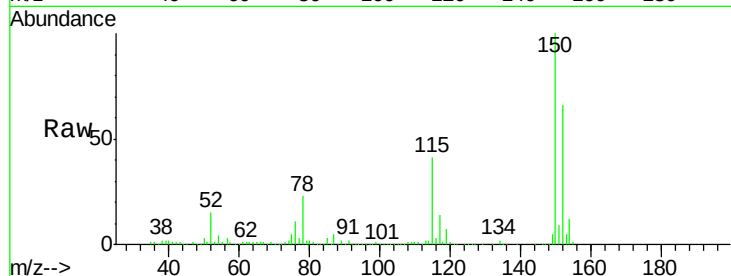
Tgt Ion: 79 Resp: 25228

Ion Ratio Lower Upper

79 100

108 27.6 61.4 92.0#

77 146.5 50.9 76.3#



#18

Hexachloroethane

Concen: 95.92 ng

RT: 7.22 min Scan# 467

Delta R.T. 0.01 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

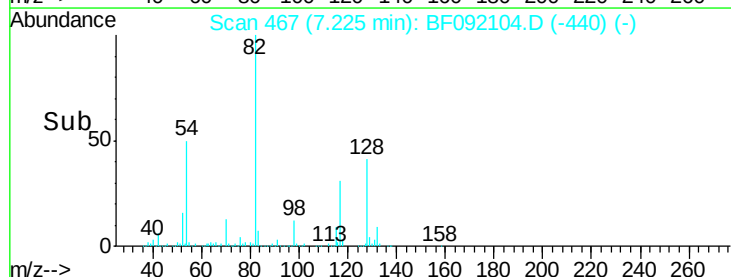
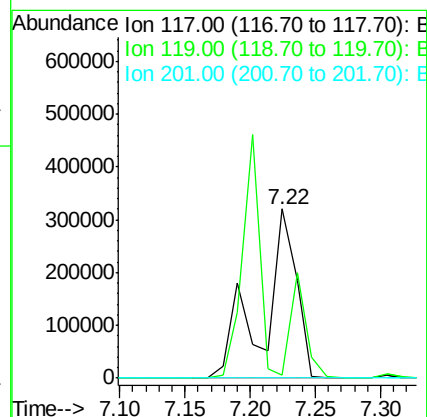
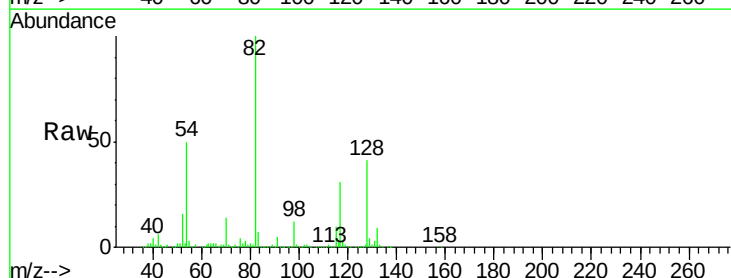
Tgt Ion: 117 Resp: 568249

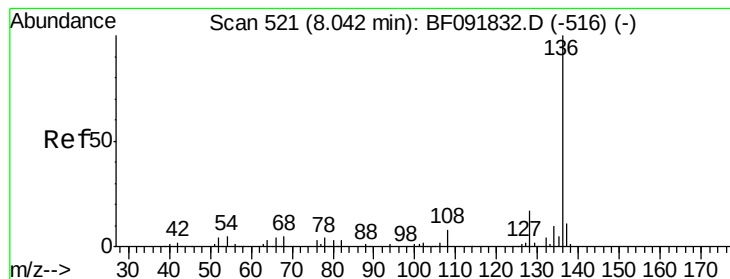
Ion Ratio Lower Upper

117 100

119 1.8 78.1 117.1#

201 0.0 78.6 117.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

Tgt Ion:136 Resp: 729459

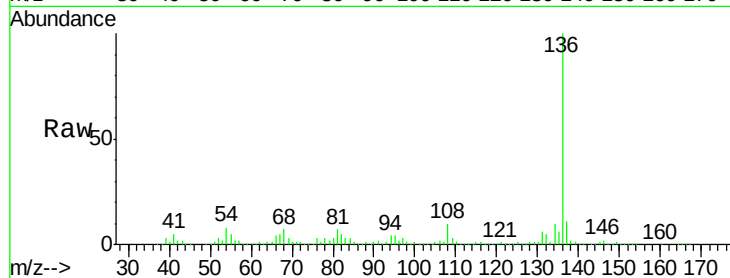
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.6 4.5 6.7#

68 6.7 3.6 5.4#

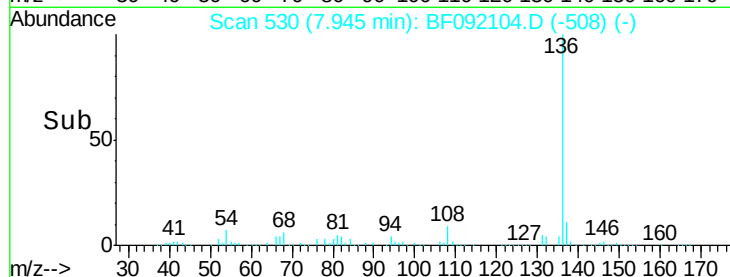


Abundance Ion 136.00 (135.70 to 136.70): E

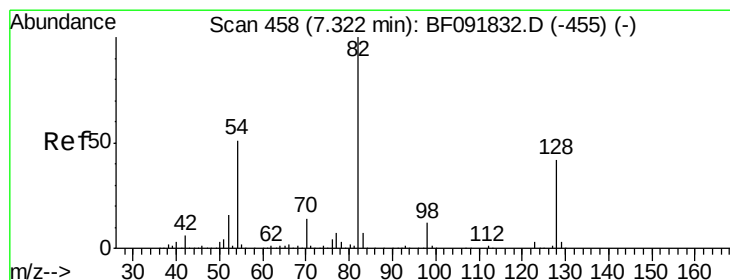
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 83.26 ng

RT: 7.22 min Scan# 467

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

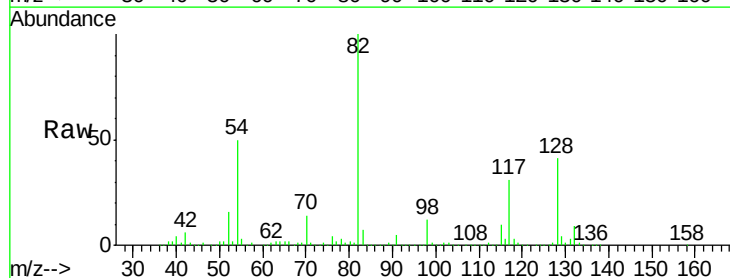
Tgt Ion: 82 Resp: 1092295

Ion Ratio Lower Upper

82 100

128 41.1 34.6 52.0

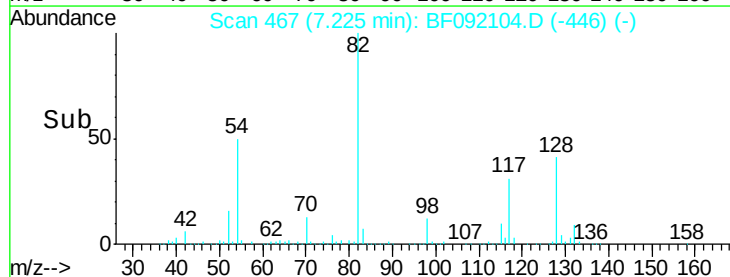
54 50.2 39.5 59.3



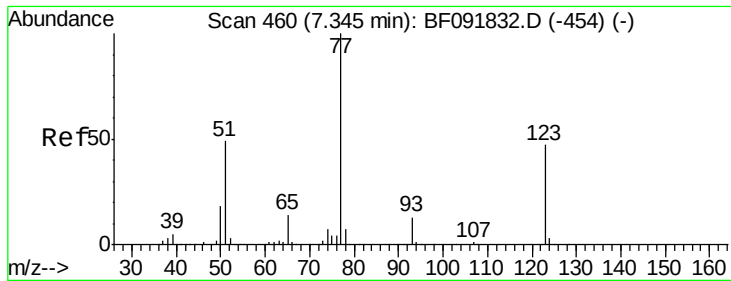
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#24

Nitrobenzene

Concen: 6.07 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.10 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampled :

MW-18

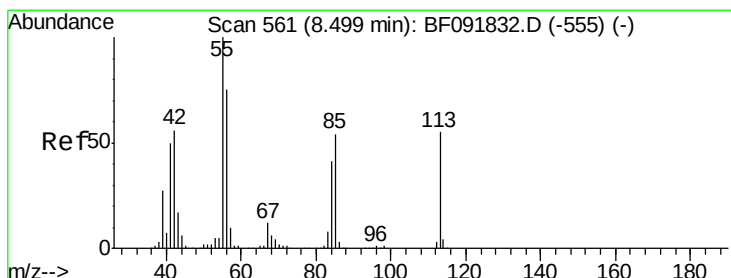
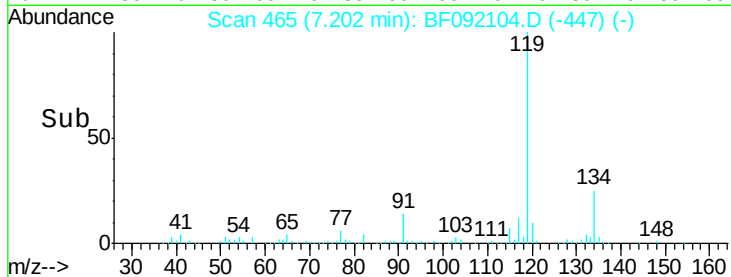
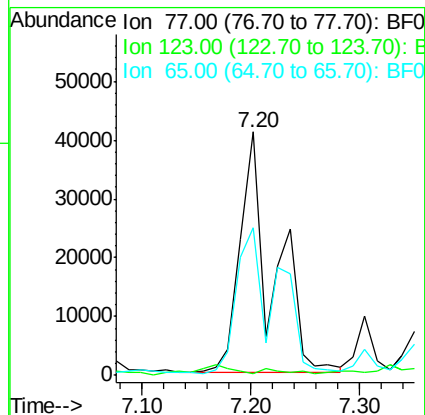
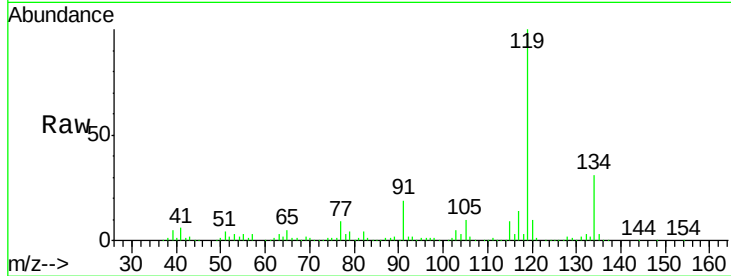
Tgt Ion: 77 Resp: 84833

Ion Ratio Lower Upper

77 100

123 0.8 33.0 49.4#

65 60.9 11.2 16.8#



#35

Caprolactam

Concen: 2.92 ng

RT: 8.38 min Scan# 568

Delta R.T. -0.10 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

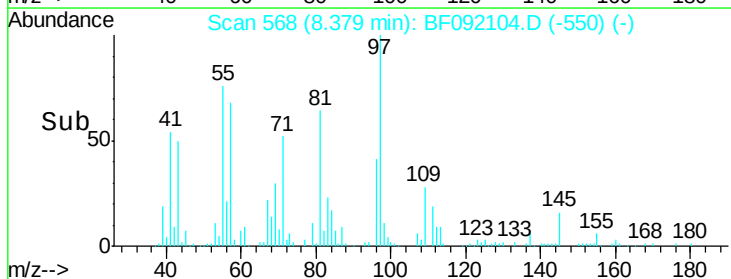
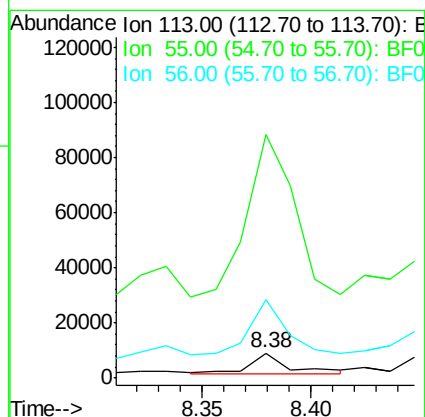
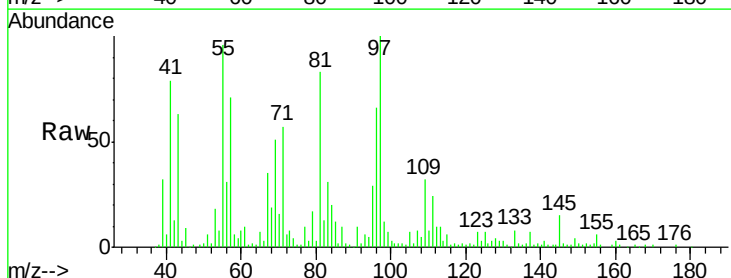
Tgt Ion: 113 Resp: 9290

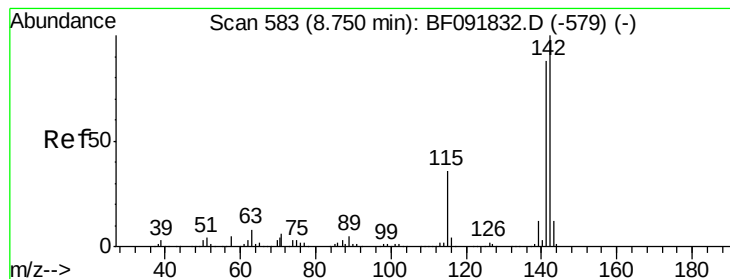
Ion Ratio Lower Upper

113 100

55 980.6 119.2 159.2#

56 316.3 83.8 123.8#





#37

2-Methylnaphthalene

Concen: 21.44 ng

RT: 8.76 min Scan# 601

Delta R.T. 0.04 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

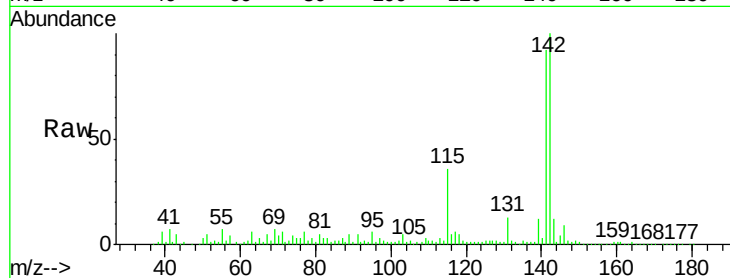
Tgt Ion:142 Resp: 518642

Ion Ratio Lower Upper

142 100

141 91.5 71.0 106.6

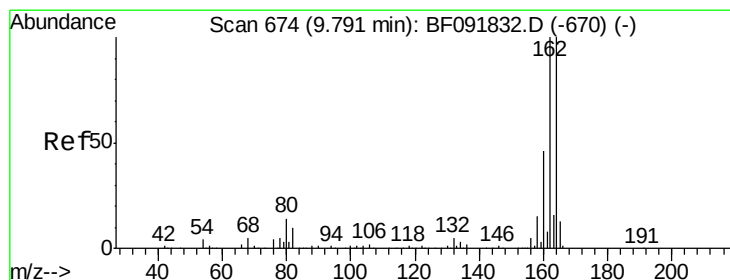
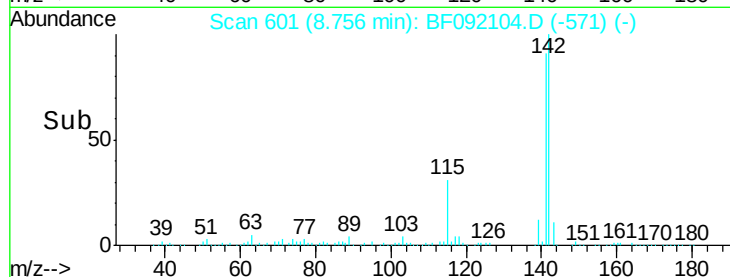
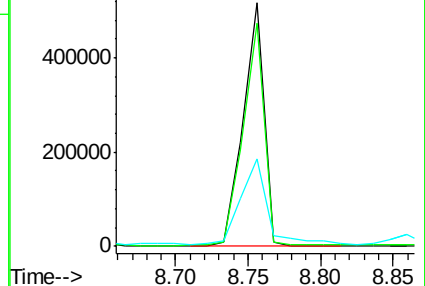
115 36.1 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

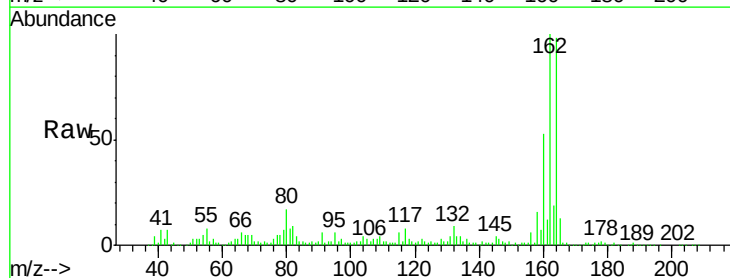
Tgt Ion:164 Resp: 396371

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

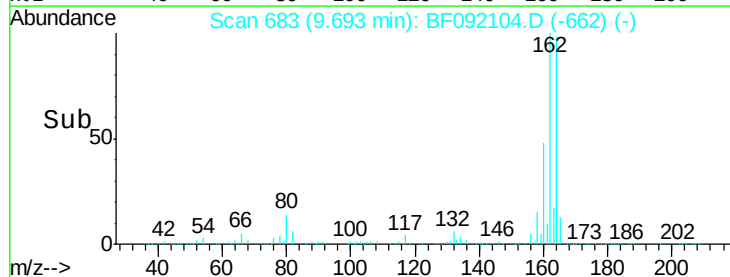
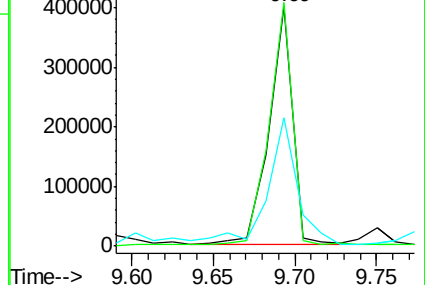
160 53.4 36.9 55.3

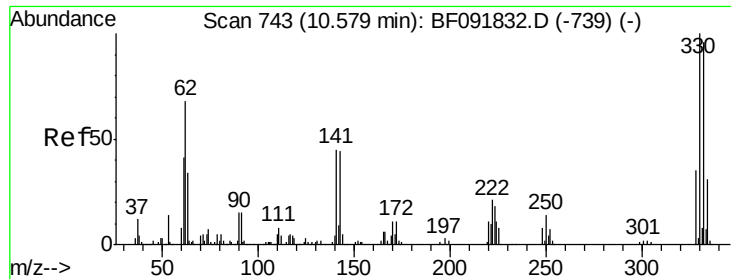


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

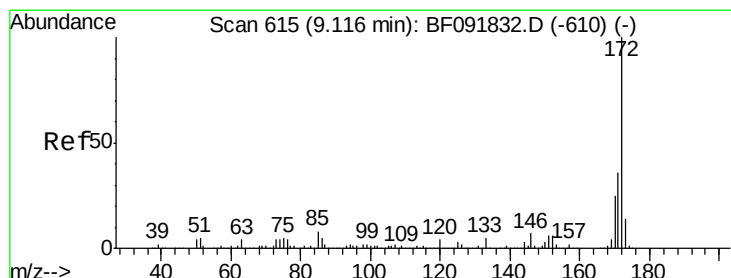
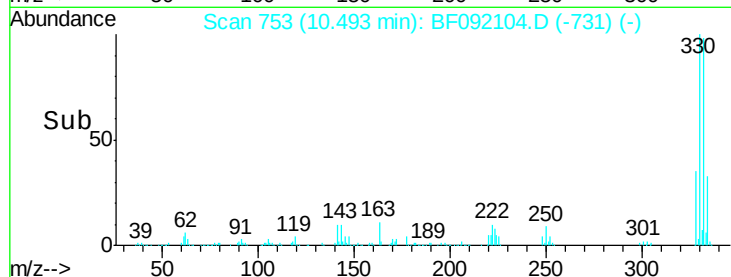
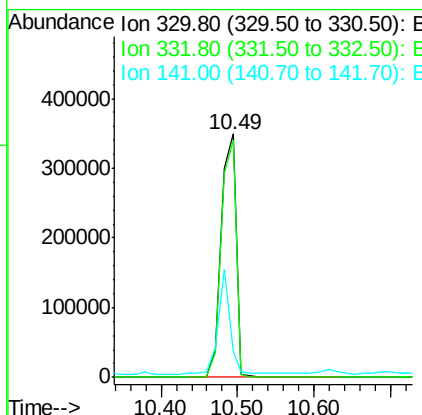
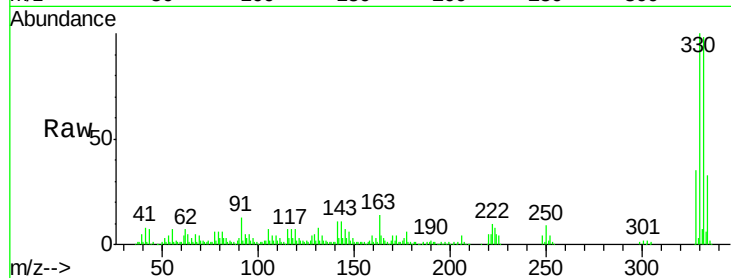




#41
 2,4,6-Tribromophenol
 Concen: 145.86 ng
 RT: 10.49 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF092104.D
 Acq: 5 Jan 2017 22:20

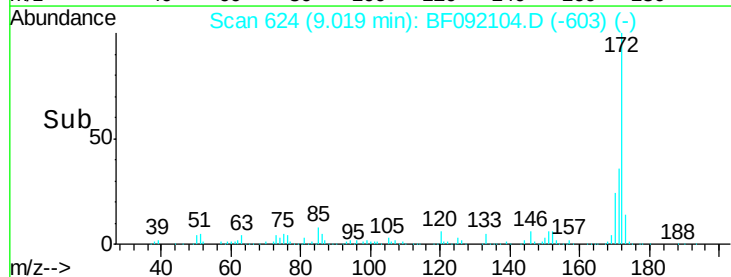
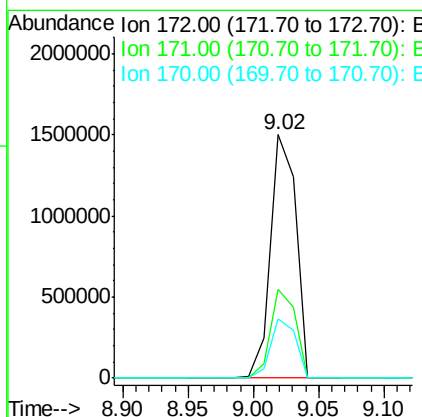
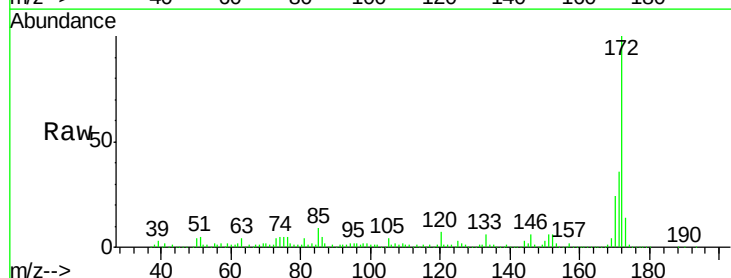
Instrument :
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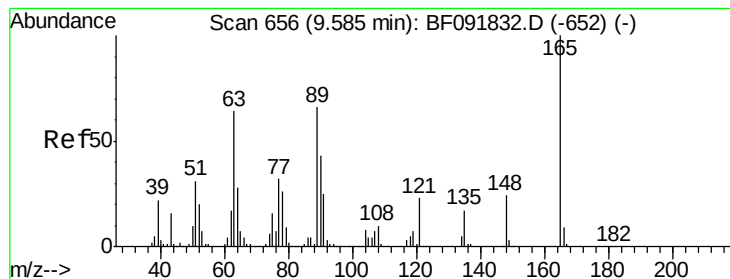
Tgt Ion:330 Resp: 478446
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 32.9 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 110.58 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.06 min
 Lab File: BF092104.D
 Acq: 5 Jan 2017 22:20

Tgt Ion:172 Resp: 2064138
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.4 20.2 30.4





#50

2,6-Dinitrotoluene

Concen: 2.30 ng

RT: 9.58 min Scan# 673

Delta R.T. 0.03 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

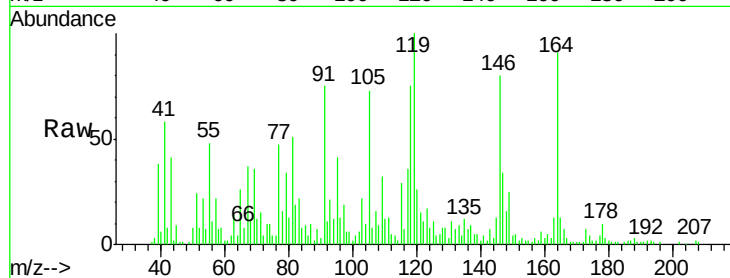
Tgt Ion:165 Resp: 12781

Ion Ratio Lower Upper

165 100

63 110.6 36.2 54.4#

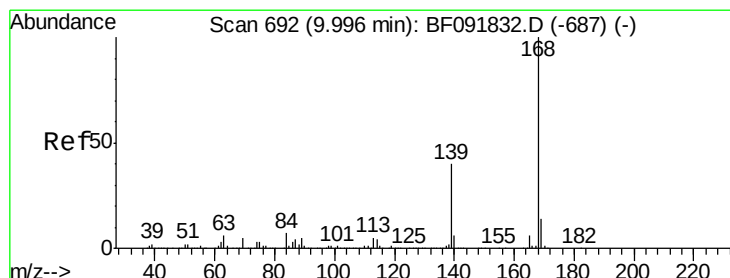
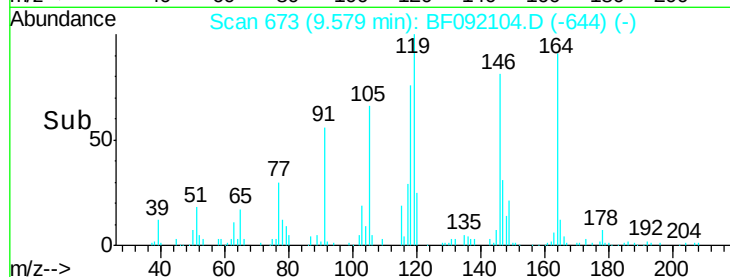
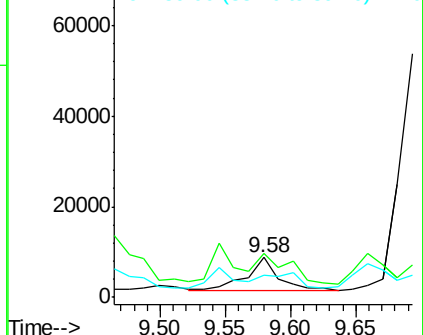
89 55.9 40.2 60.4



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



#54

Dibenzofuran

Concen: 2.62 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

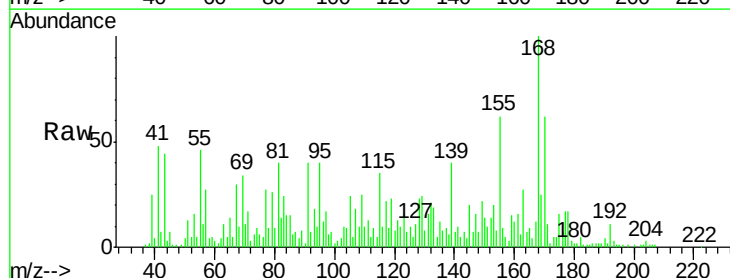
Tgt Ion:168 Resp: 79313

Ion Ratio Lower Upper

168 100

139 40.0 32.6 49.0

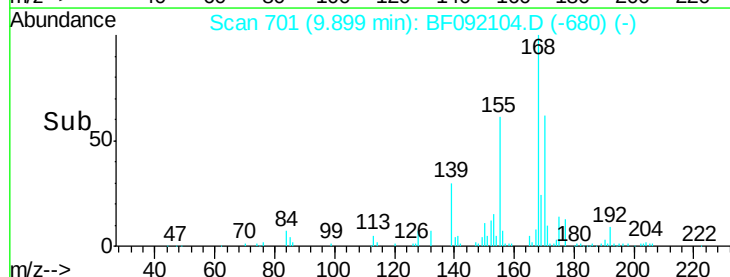
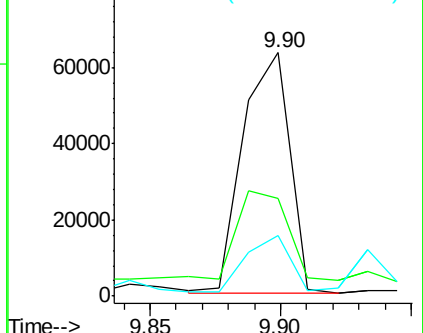
169 24.6 11.3 16.9#

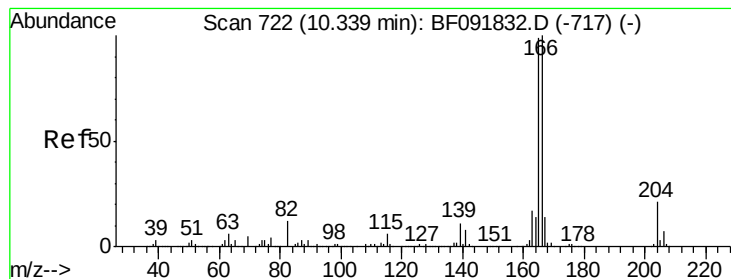


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.68 ng

RT: 10.23 min Scan# 730

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

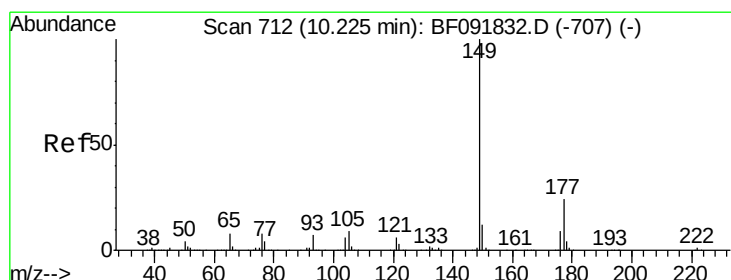
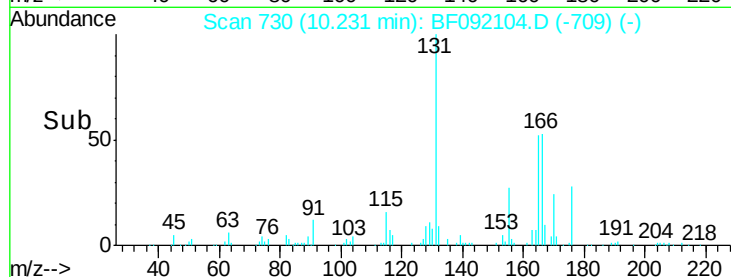
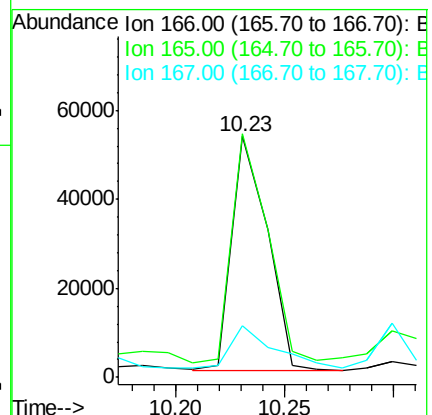
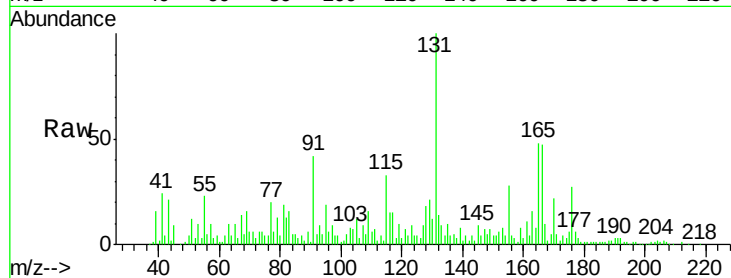
Tgt Ion:166 Resp: 59061

Ion Ratio Lower Upper

166 100

165 101.1 77.8 116.8

167 21.5 10.8 16.2#



#59

Diethylphthalate

Concen: 6.00 ng

RT: 10.13 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

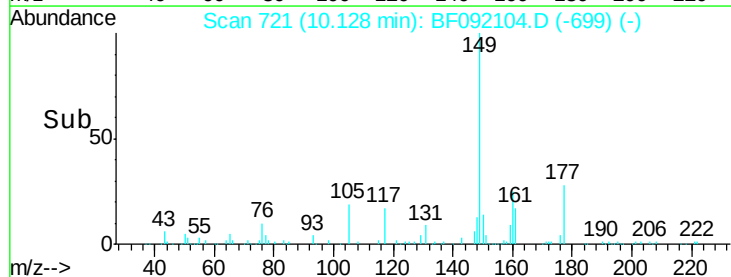
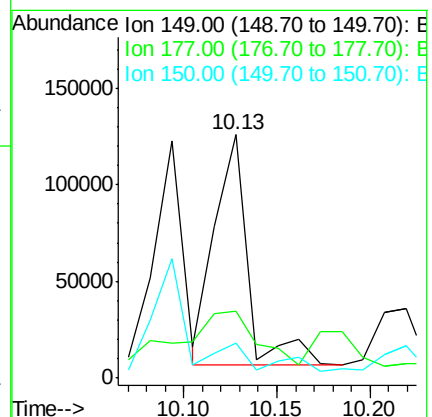
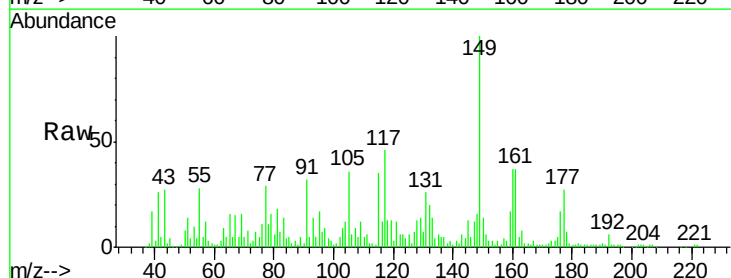
Tgt Ion:149 Resp: 147811

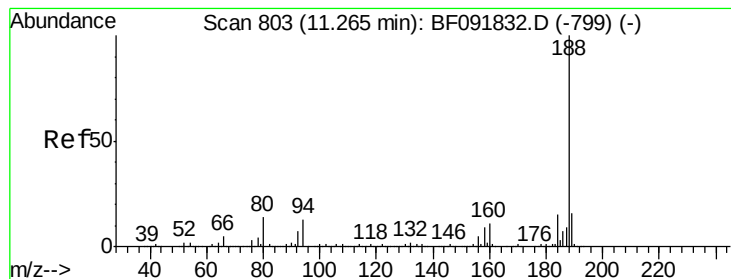
Ion Ratio Lower Upper

149 100

177 27.5 16.6 25.0#

150 14.4 10.4 15.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 812

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

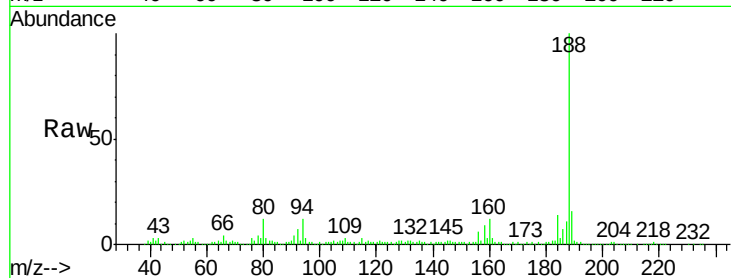
Tgt Ion:188 Resp: 580312

Ion Ratio Lower Upper

188 100

94 11.9 10.0 15.0

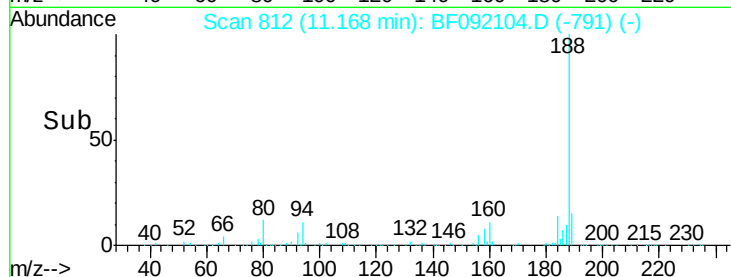
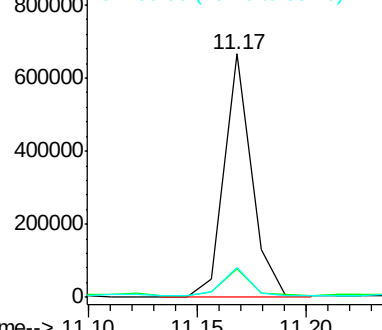
80 12.4 11.2 16.8



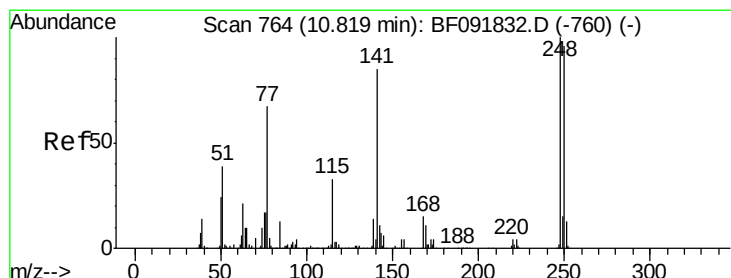
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.10 11.15 11.20



#66

4-Bromophenyl-phenylether

Concen: 4.70 ng

RT: 10.48 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

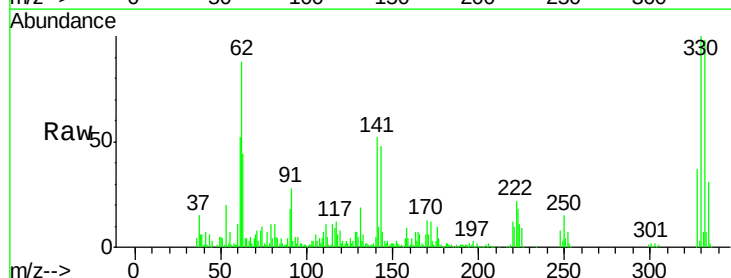
Tgt Ion:248 Resp: 28372

Ion Ratio Lower Upper

248 100

250 193.6 76.9 115.3#

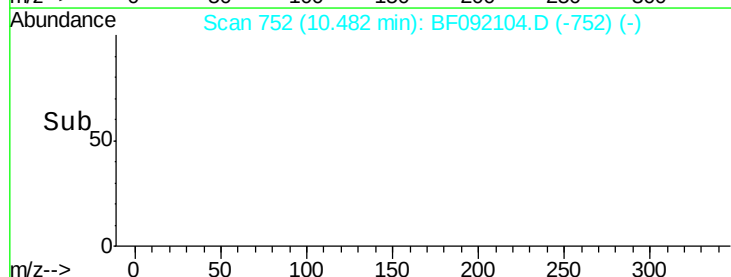
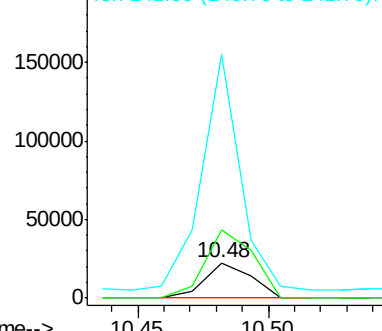
141 685.6 68.2 102.4#



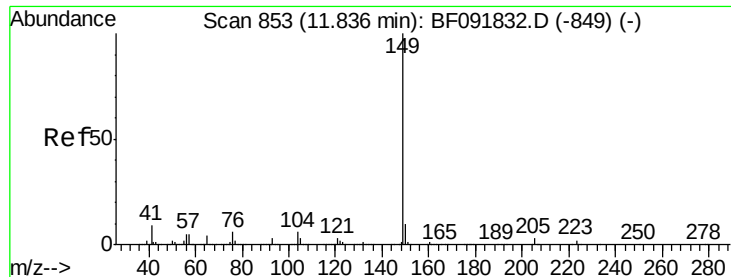
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.45 10.50



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.75 min Scan# 863

Delta R.T. -0.05 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampleId :

MW-18

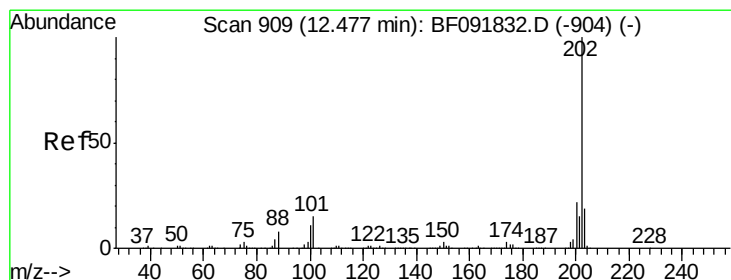
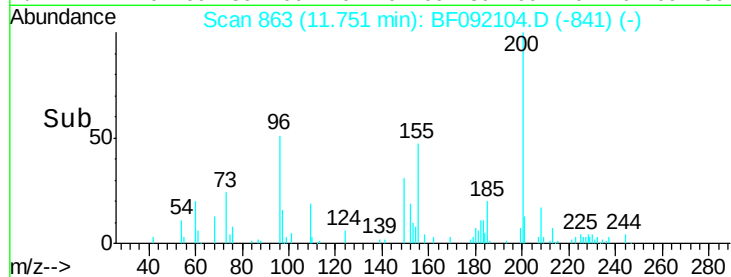
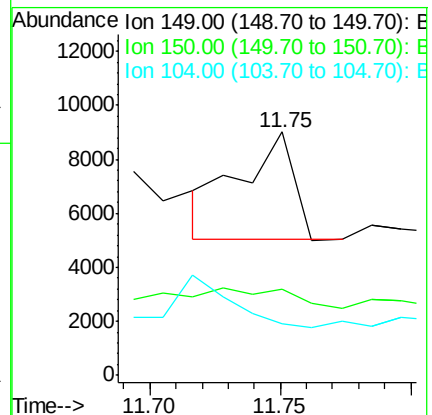
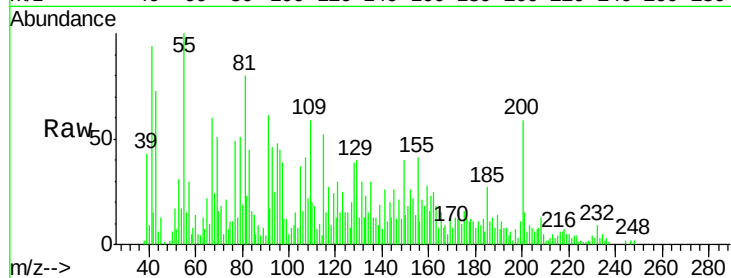
Tgt Ion:149 Resp: 5840

Ion Ratio Lower Upper

149 100

150 35.6 8.1 12.1#

104 21.1 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.38 min Scan# 918

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

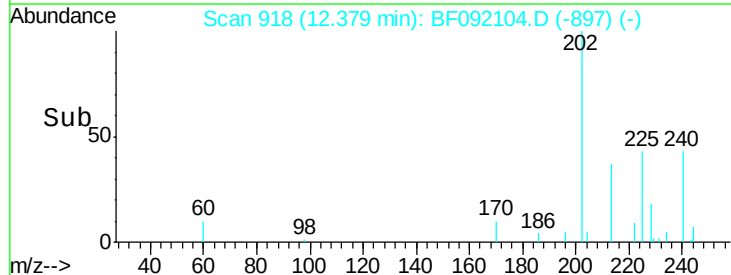
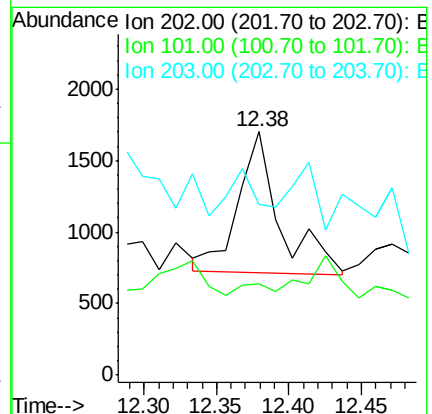
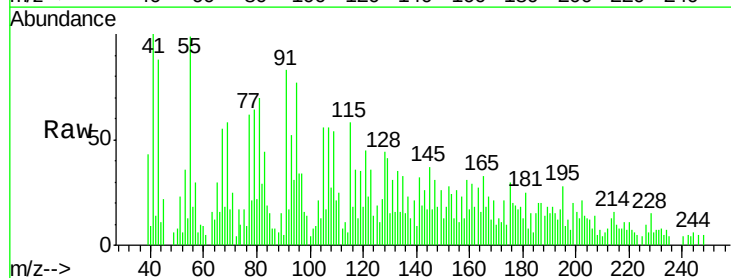
Tgt Ion:202 Resp: 1954

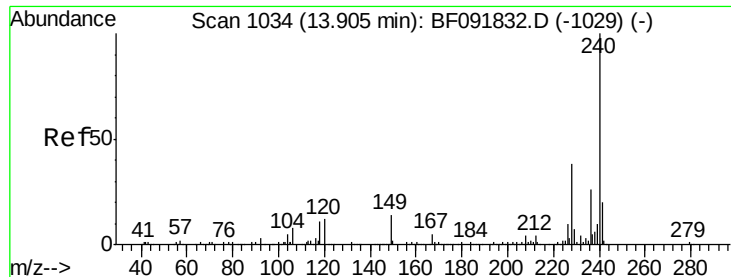
Ion Ratio Lower Upper

202 100

101 37.5 0.0 34.6#

203 69.9 0.0 38.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

Instrument :

BNA_F

ClientSampled :

MW-18

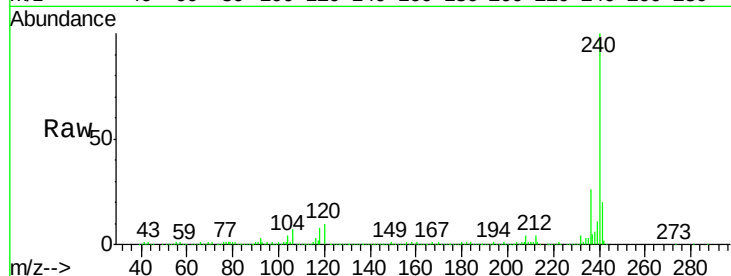
Tgt Ion:240 Resp: 407953

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

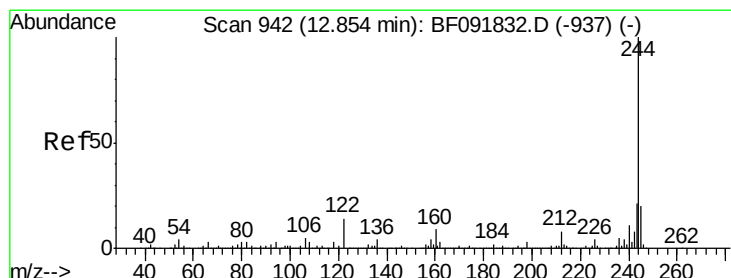
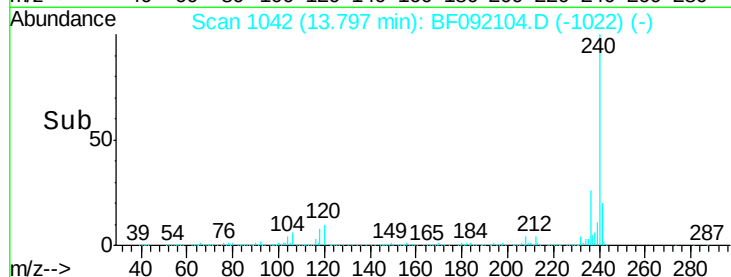
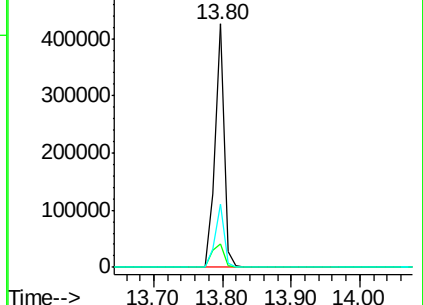
236 26.2 20.9 31.3



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: 93.10 ng

RT: 12.76 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF092104.D

Acq: 5 Jan 2017 22:20

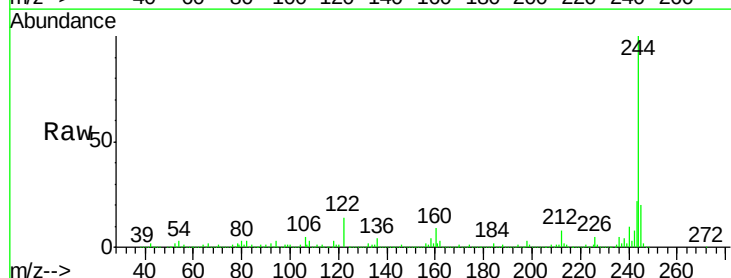
Tgt Ion:244 Resp: 1565988

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

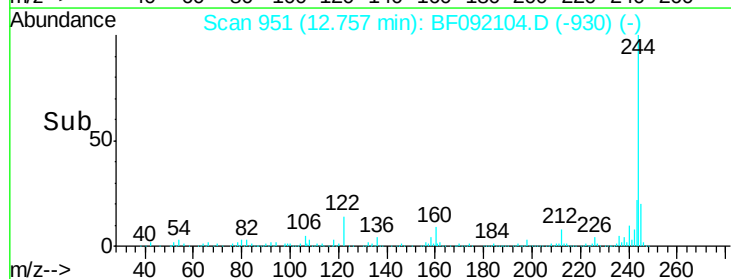
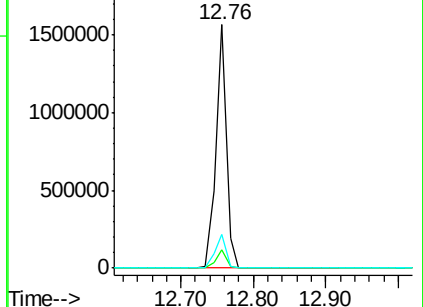
122 14.0 11.4 17.2

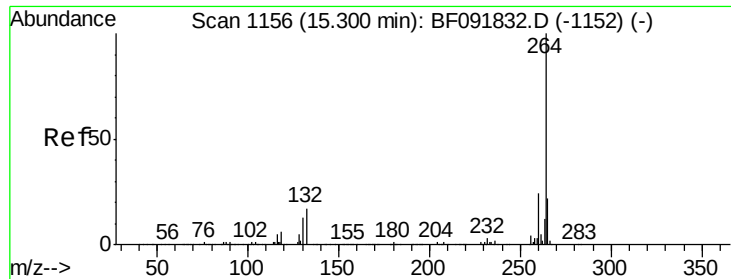


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

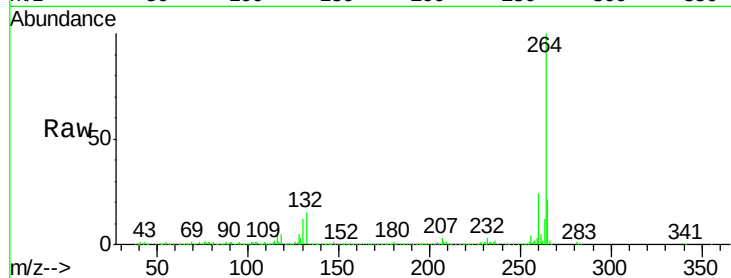




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1162
Delta R.T. -0.09 min
Lab File: BF092104.D
Acq: 5 Jan 2017 22:20

Instrument :
BNA_F
ClientSampleId :
MW-18

Tgt Ion: 264 Resp: 348071
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.5 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

