

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122116\
 Data File : BF091863.D
 Acq On : 22 Dec 2016 4:50
 Operator : UM/SJ
 Sample : H6156-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

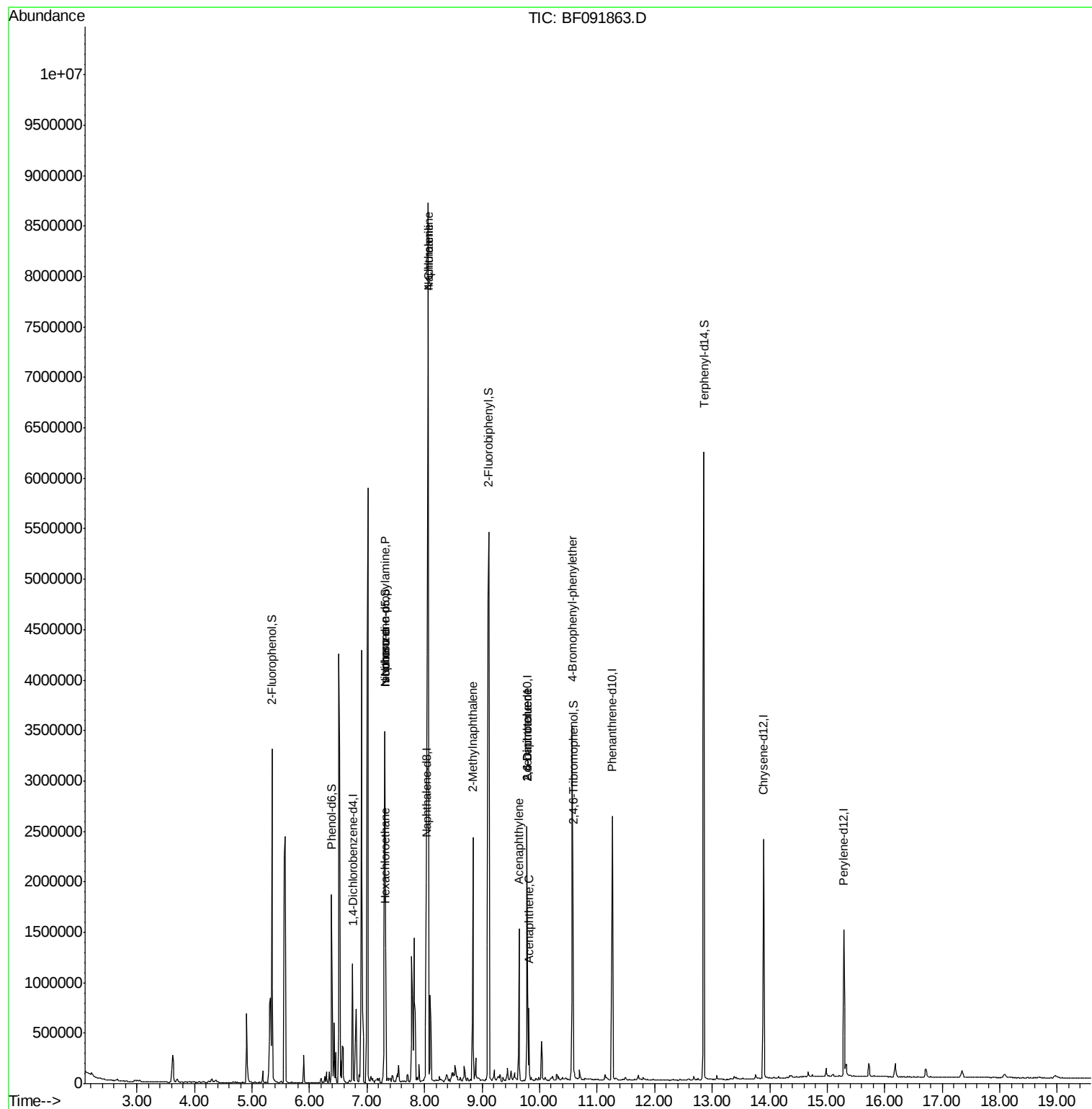
Quant Time: Dec 22 05:46:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	272120	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1170750	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	608303	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1047878	20.00	ng	0.00
75) Chrysene-d12	13.89	240	811237	20.00	ng	-0.01
86) Perylene-d12	15.29	264	656695	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	951563	58.39	ng	0.00
7) Phenol-d6	6.38	99	772752	38.84	ng	-0.02
23) Nitrobenzene-d5	7.31	82	1456922	69.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	625299	124.21	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2741659	93.66	ng	0.00
78) Terphenyl-d14	12.85	244	2270610	67.88	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.32	117	59347	7.95	ng	# 5
19) n-Nitroso-di-n-propylamine	7.31	70	191023	14.43	ng	# 77
25) Isophorone	7.31	82	1123302	28.92	ng	# 65
31) Naphthalene	8.06	128	6255720	116.75	ng	97
33) 4-Chloroaniline	8.06	127	917691	37.98	ng	# 34
37) 2-Methylnaphthalene	8.84	142	675318	16.80	ng	97
48) Acenaphthylene	9.64	152	600040	11.83	ng	98
50) 2,6-Dinitrotoluene	9.78	165	80629	9.47	ng	# 31
51) Acenaphthene	9.81	154	154906	4.50	ng	100
56) 2,4-Dinitrotoluene	9.78	165	81390	7.61	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	36550	3.35	ng	# 1
71) Anthracene	11.33	178	3334	Below Cal	Cal	# 94
73) Di-n-butylphthalate	11.84	149	6710	Below Cal	Cal	# 95
74) Fluoranthene	12.48	202	884	Below Cal	Cal	61

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

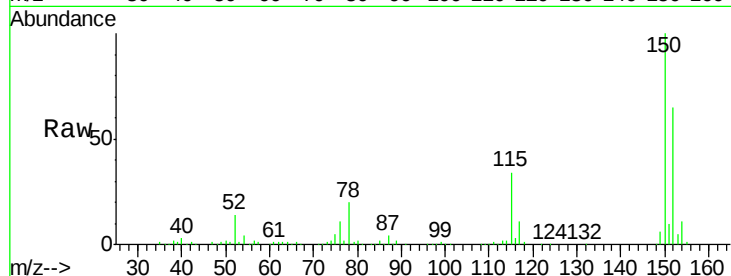
Tgt Ion:152 Resp: 272120

Ion Ratio Lower Upper

152 100

150 152.9 124.9 187.3

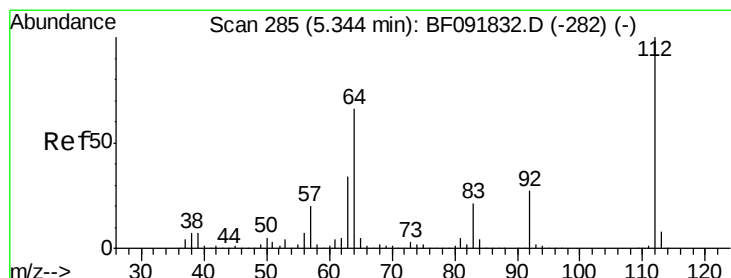
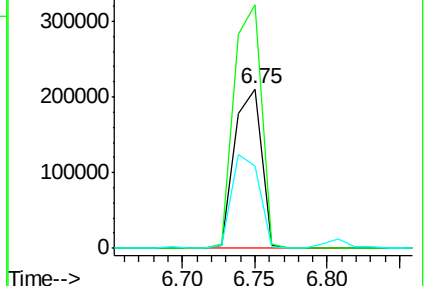
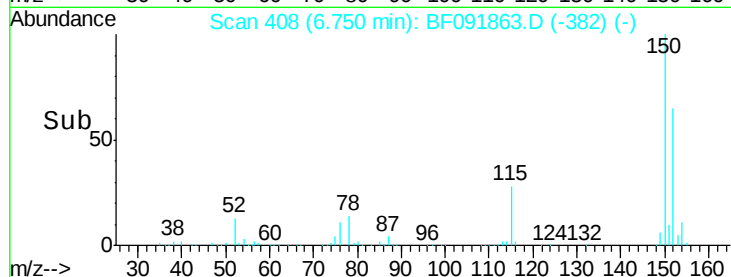
115 51.5 46.0 69.0



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: 58.39 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

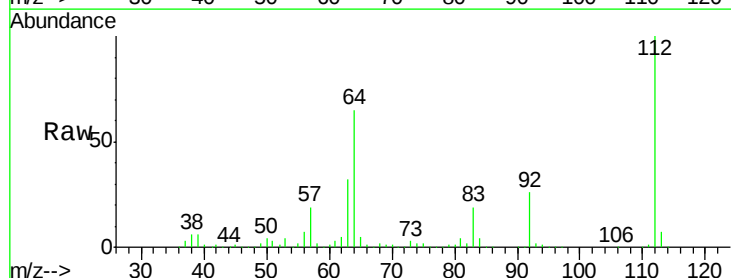
Tgt Ion:112 Resp: 951563

Ion Ratio Lower Upper

112 100

64 64.7 46.1 69.1

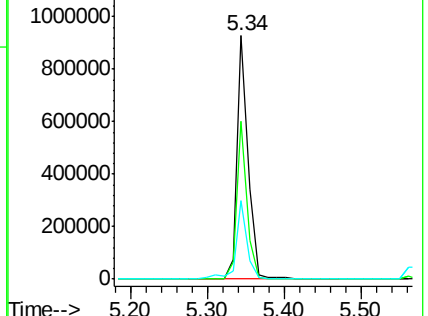
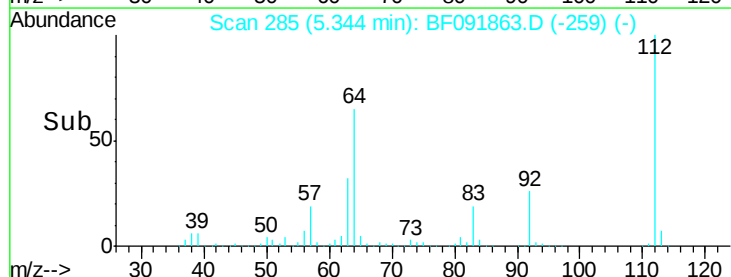
63 32.0 23.8 35.6



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: 38.84 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

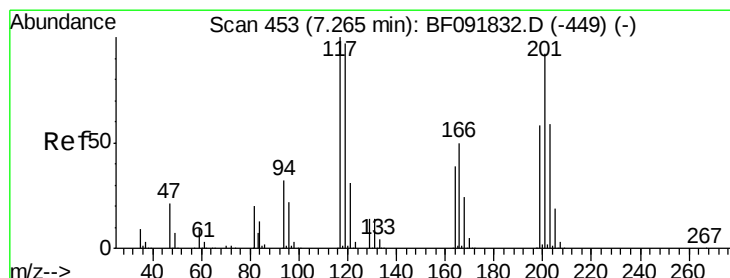
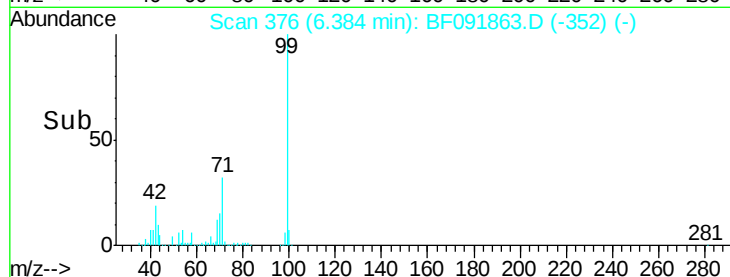
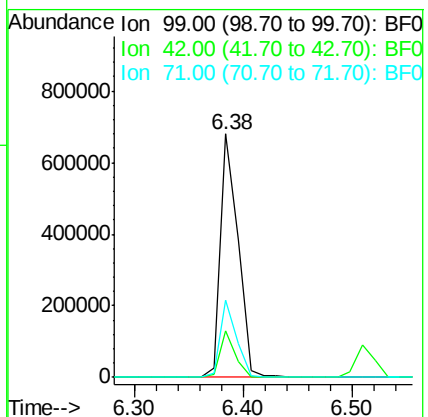
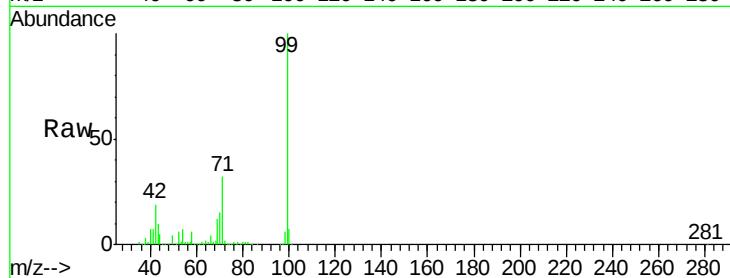
Tgt Ion: 99 Resp: 772752

Ion Ratio Lower Upper

99 100

42 19.2 15.6 23.4

71 31.6 27.5 41.3



#18

Hexachloroethane

Concen: 7.95 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.06 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

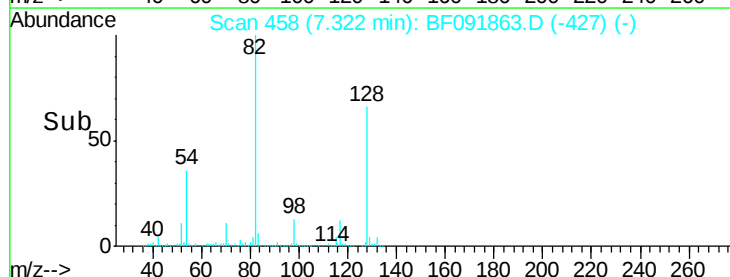
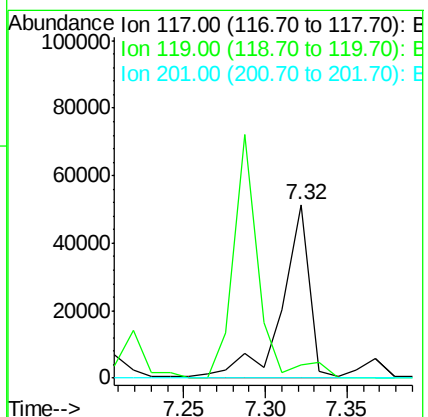
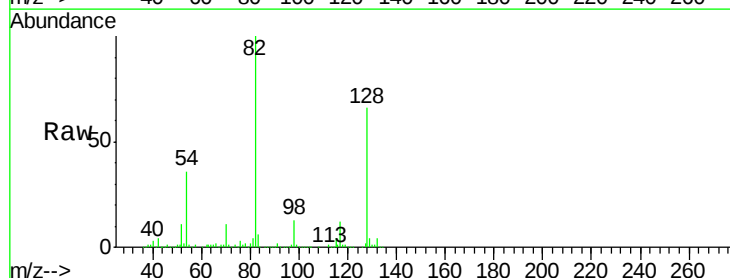
Tgt Ion: 117 Resp: 59347

Ion Ratio Lower Upper

117 100

119 7.6 78.1 117.1#

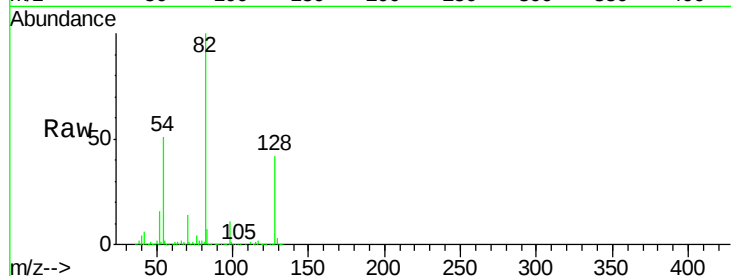
201 0.0 78.6 117.8#





#19
n-Nitroso-di-n-propylamine
Concen: 14.43 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.6	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



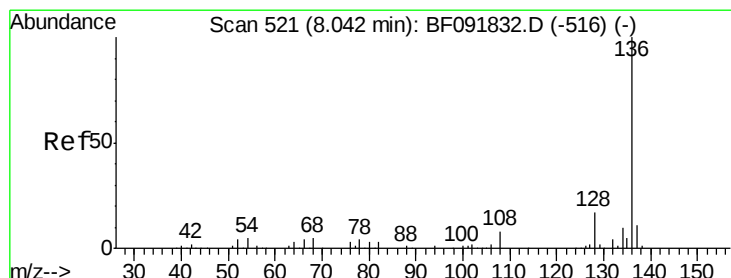
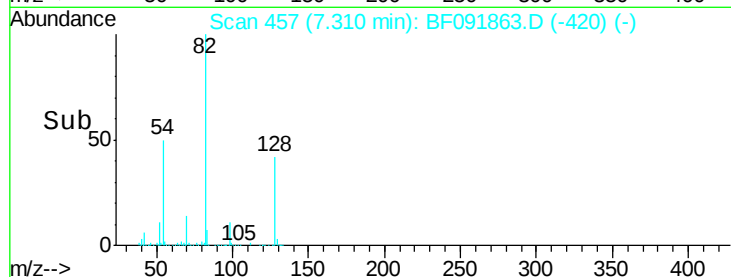
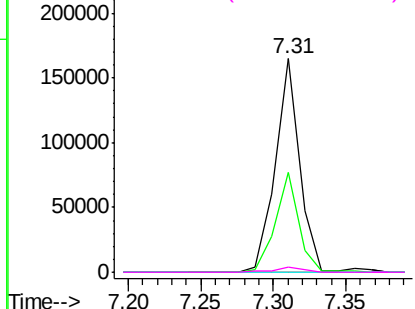
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

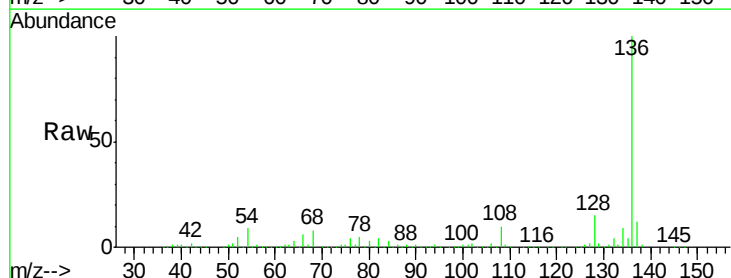
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	9.3	4.5	6.7#
68	7.9	3.6	5.4#



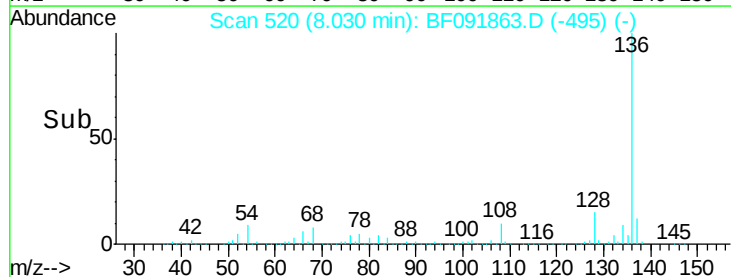
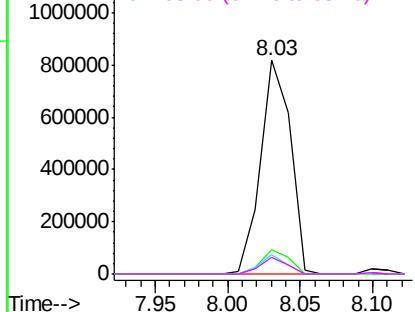
Abundance

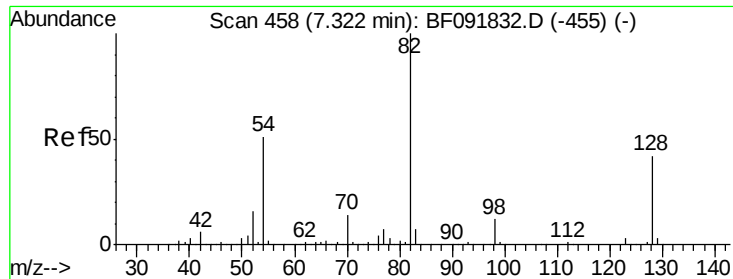
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

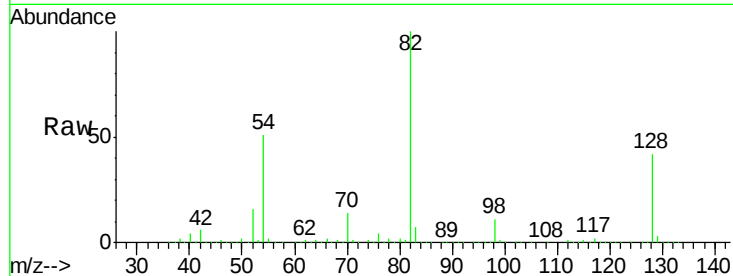
Ion 68.00 (67.70 to 68.70): BF0



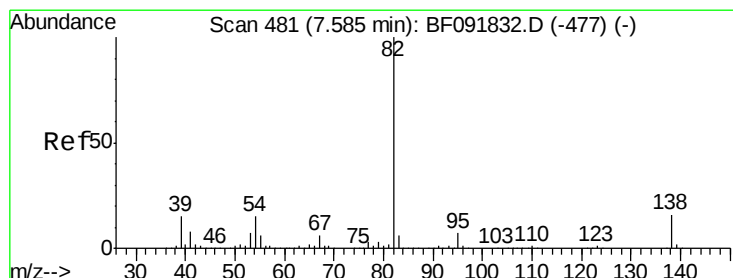
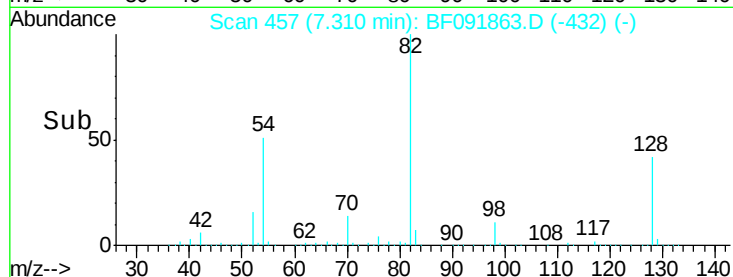
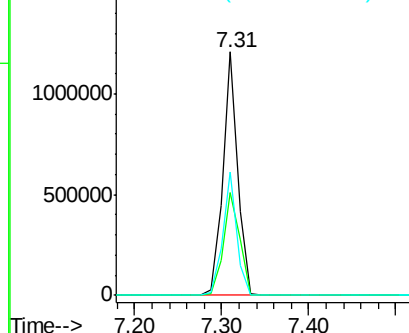


#23
Nitrobenzene-d5
Concen: 69.20 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion: 82 Resp: 1456922
Ion Ratio Lower Upper
82 100
128 42.0 34.6 52.0
54 50.6 39.5 59.3

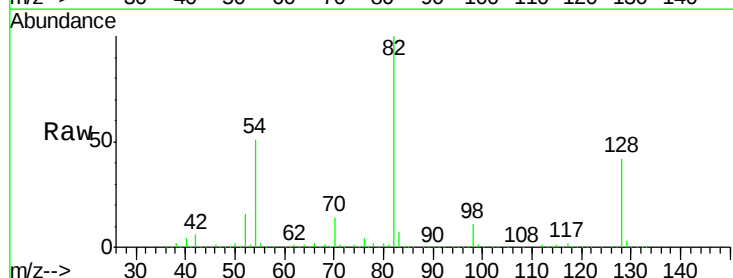


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

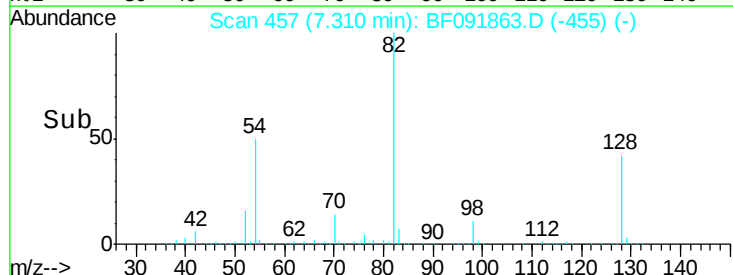
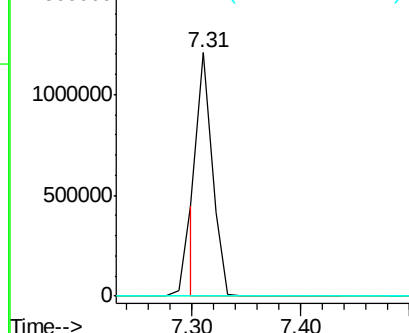


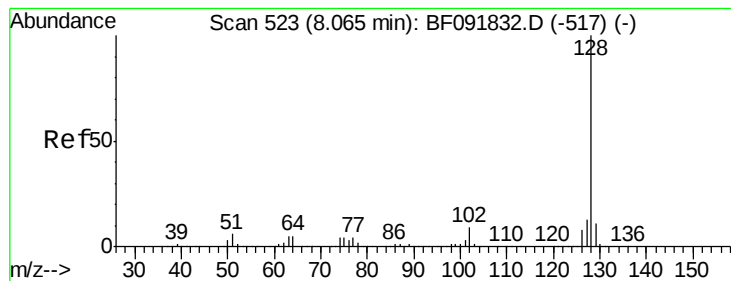
#25
Isophorone
Concen: 28.92 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.27 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion: 82 Resp: 1123302
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





#31

Naphthalene

Concen: 116.75 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

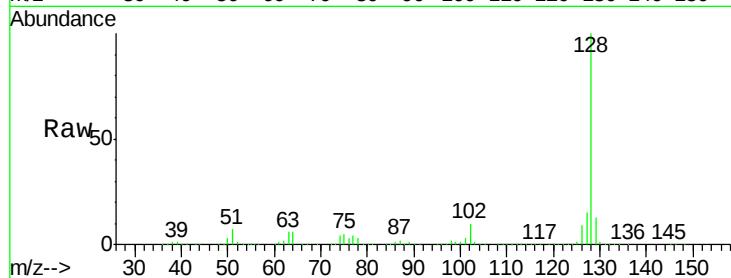
Tgt Ion:128 Resp: 6255720

Ion Ratio Lower Upper

128 100

129 12.6 9.5 14.3

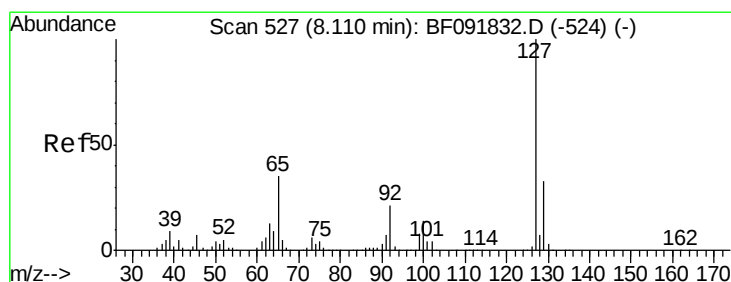
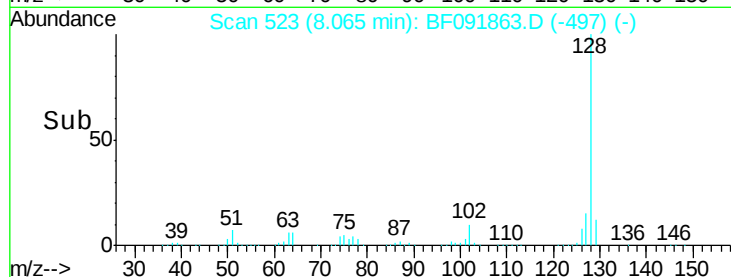
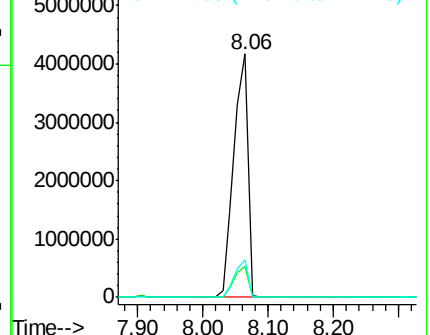
127 15.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 37.98 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

Tgt Ion:127 Resp: 917691

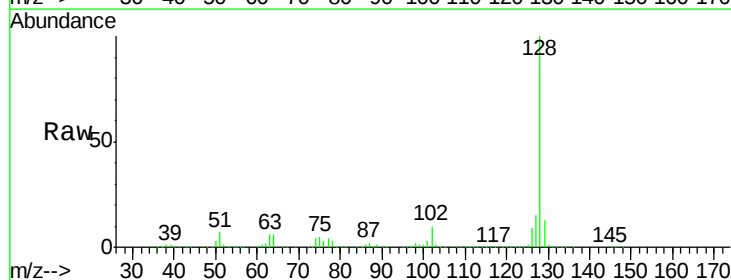
Ion Ratio Lower Upper

127 100

129 83.1 26.3 39.5#

65 0.0 25.8 38.8#

92 0.0 16.1 24.1#

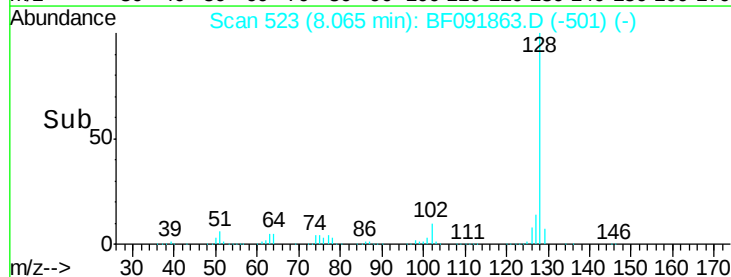
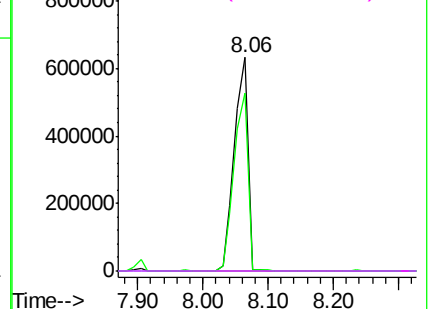


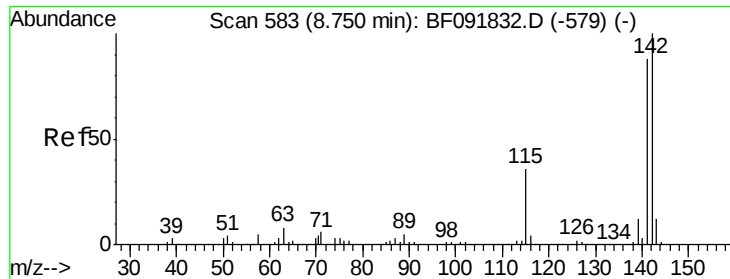
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

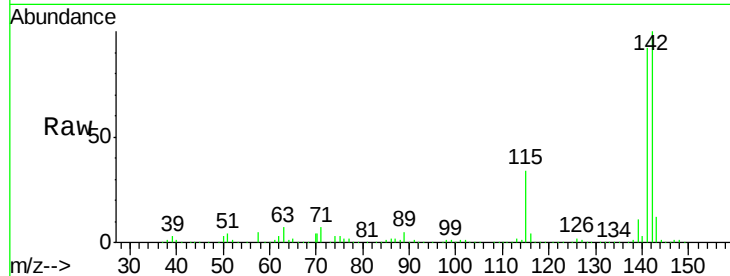
Ion 92.00 (91.70 to 92.70): BF0



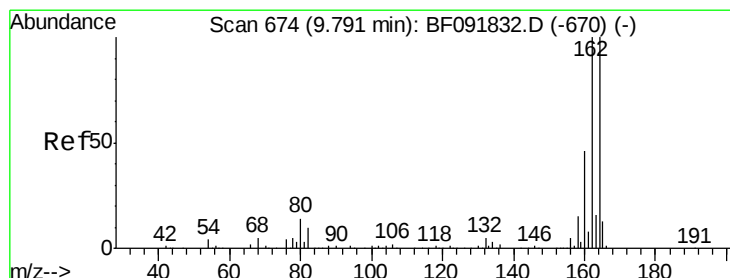
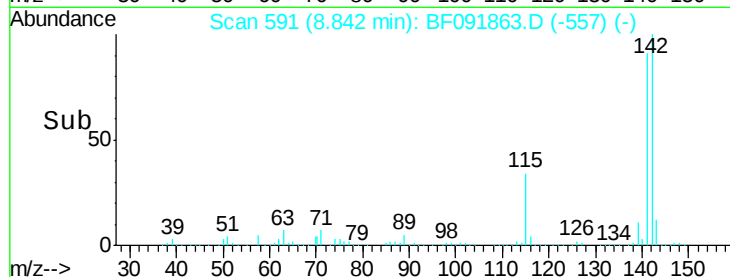
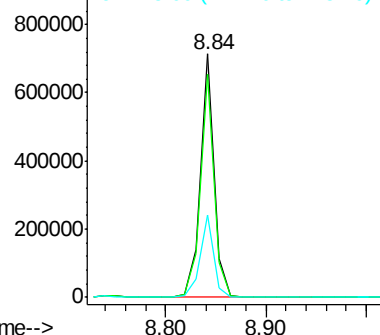


#37
2-Methylnaphthalene
Concen: 16.80 ng
RT: 8.84 min Scan# 591
Delta R.T. 0.09 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion:142 Resp: 675318
Ion Ratio Lower Upper
142 100
141 91.5 71.0 106.6
115 33.9 28.3 42.5

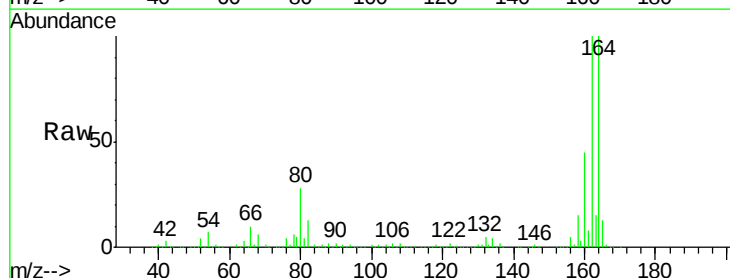


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

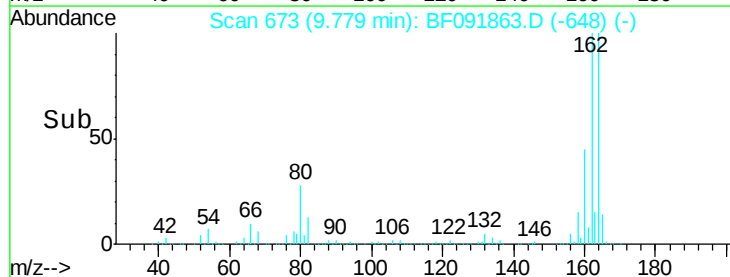
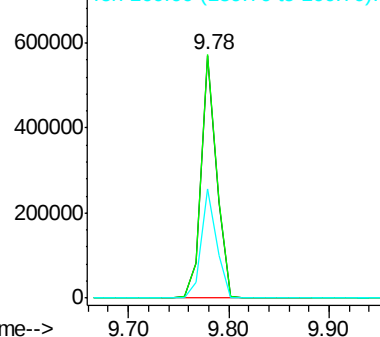


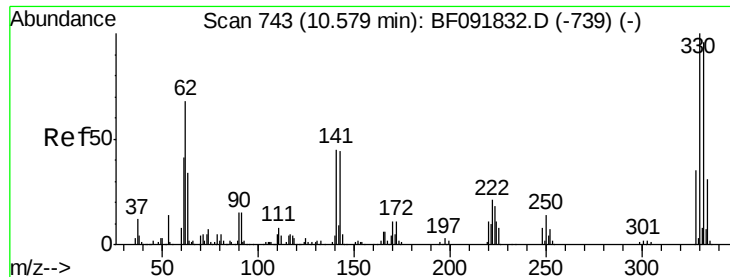
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion:164 Resp: 608303
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.2
160 45.1 36.9 55.3



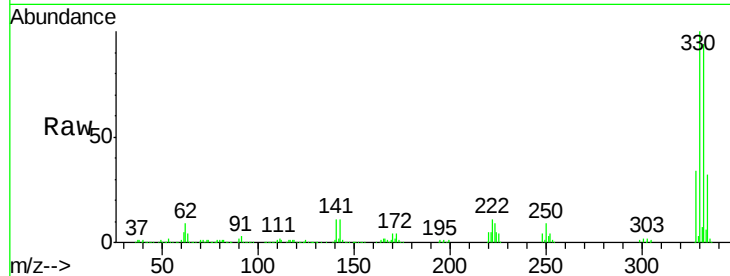
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



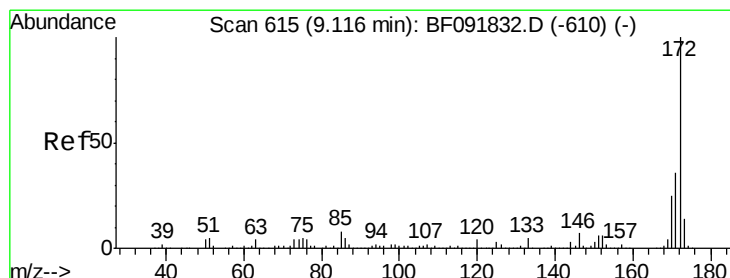
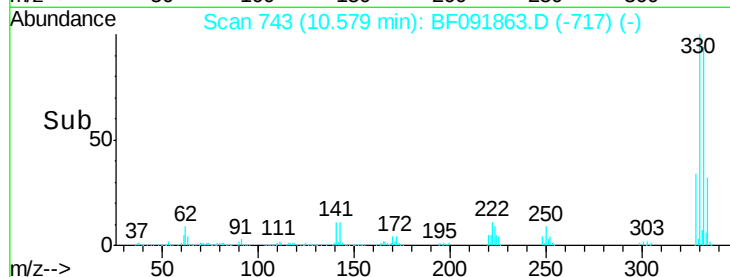
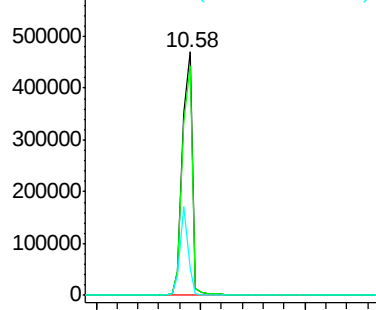


#41
 2,4,6-Tribromophenol
 Concen: 124.21 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091863.D
 Acq: 22 Dec 2016 4:50

Tgt Ion:330 Resp: 625299
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.4 116.2
 141 30.6 34.1 51.1#

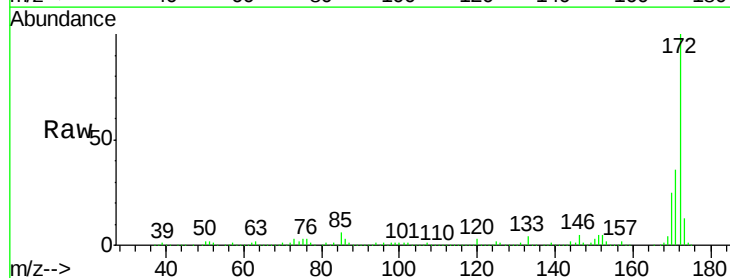


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

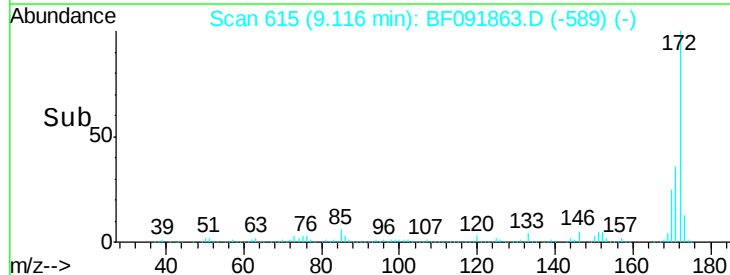
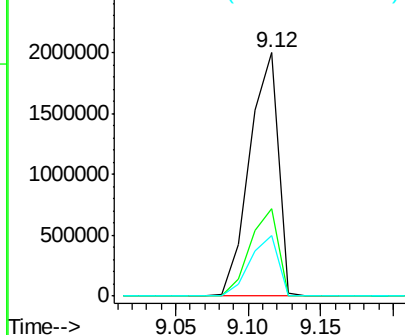


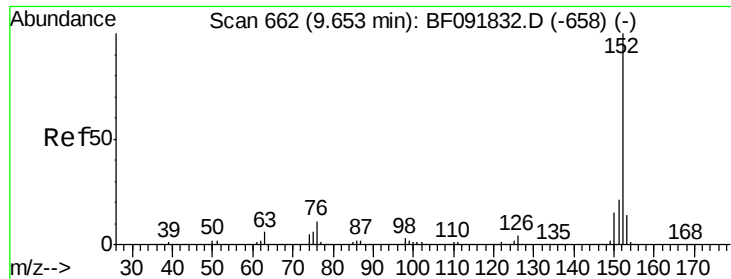
#44
 2-Fluorobiphenyl
 Concen: 93.66 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091863.D
 Acq: 22 Dec 2016 4:50

Tgt Ion:172 Resp: 2741659
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.8 20.2 30.4



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





#48

Acenaphthylene

Concen: 11.83 ng

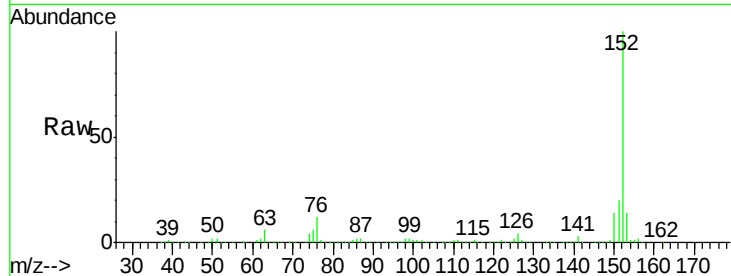
RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

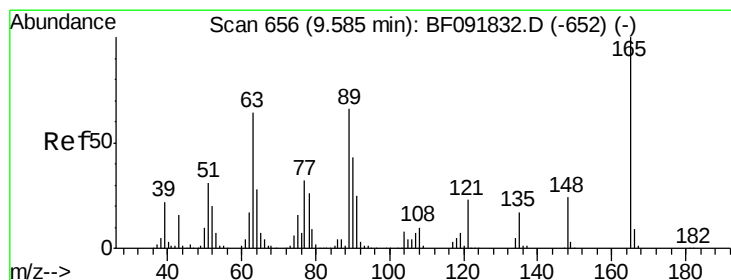
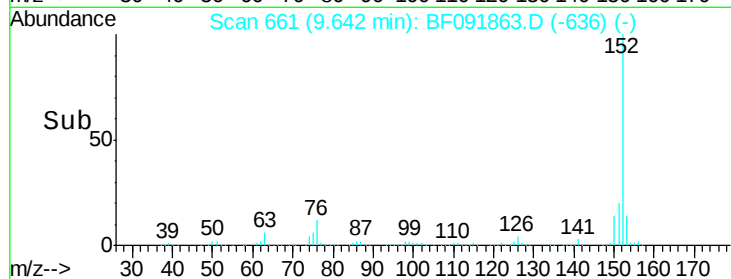
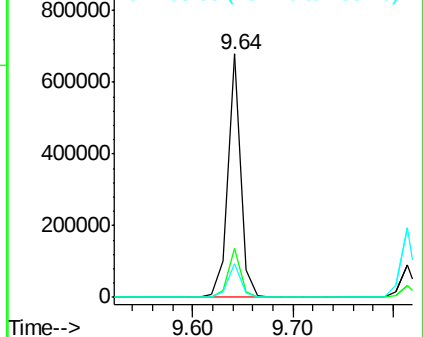
Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

Tgt Ion:	152	Resp:	600040
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.9	25.3
153	14.0	11.4	17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.47 ng

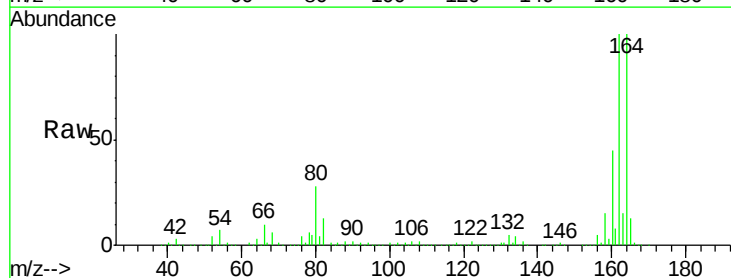
RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

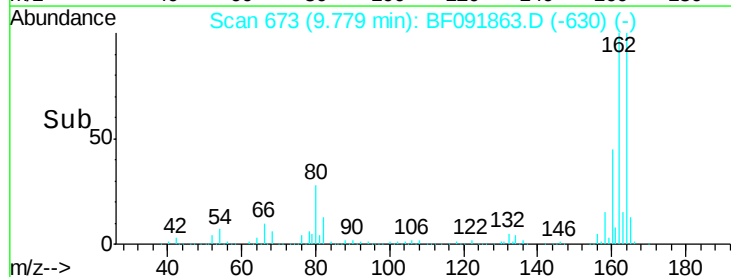
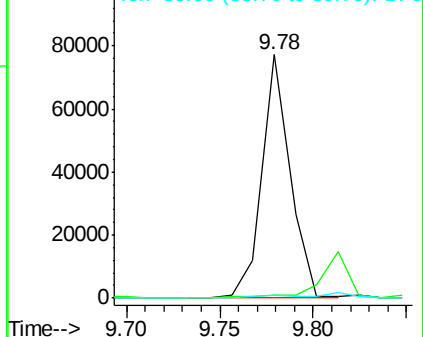
Lab File: BF091863.D

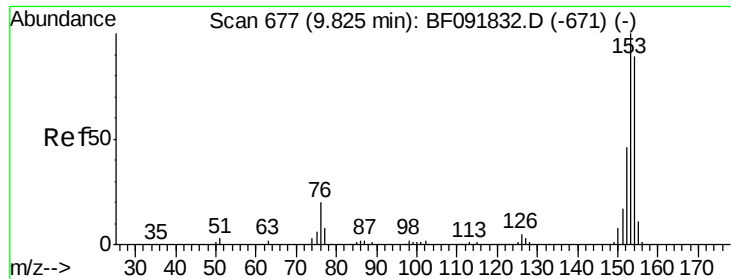
Acq: 22 Dec 2016 4:50

Tgt Ion:	165	Resp:	80629
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.1	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





#51

Acenaphthene

Concen: 4.50 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

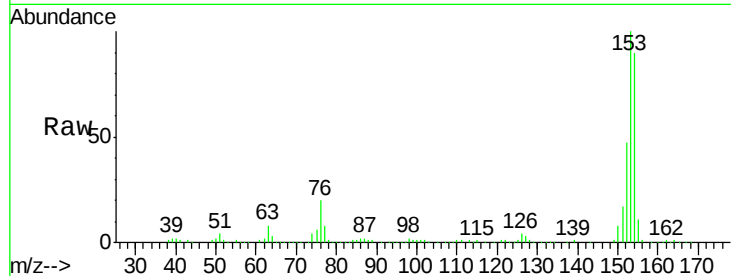
Tgt Ion:154 Resp: 154906

Ion Ratio Lower Upper

154 100

153 111.1 88.6 133.0

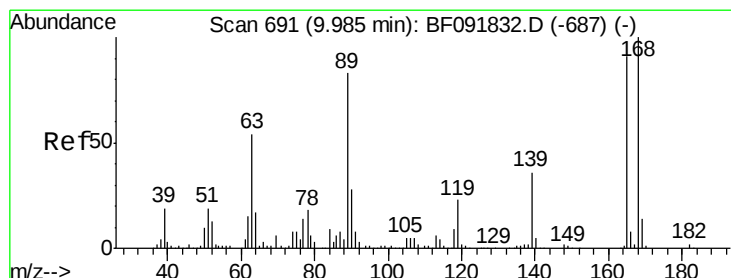
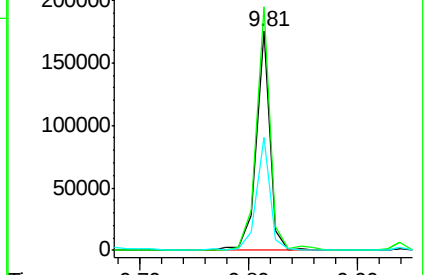
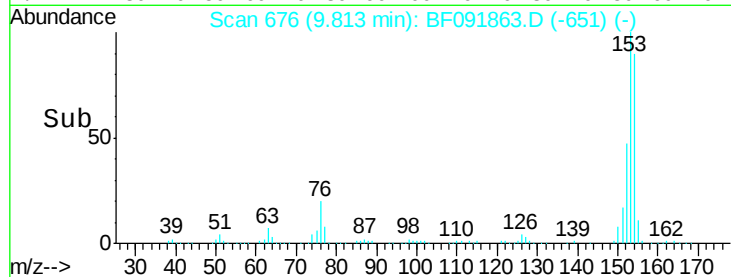
152 51.7 41.6 62.4



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



#56

2,4-Dinitrotoluene

Concen: 7.61 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

Tgt Ion:165 Resp: 81390

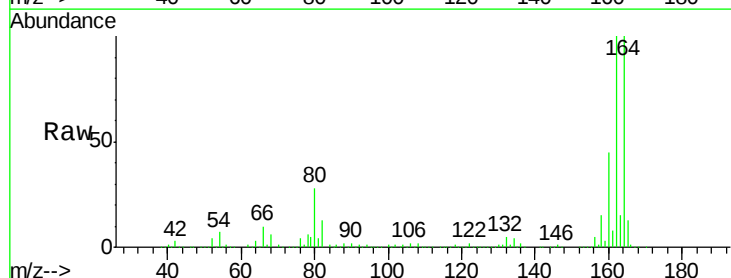
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

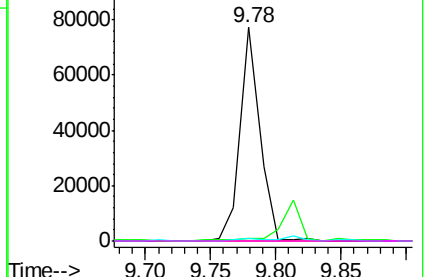
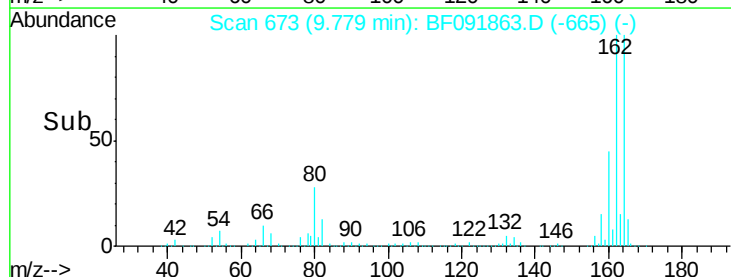


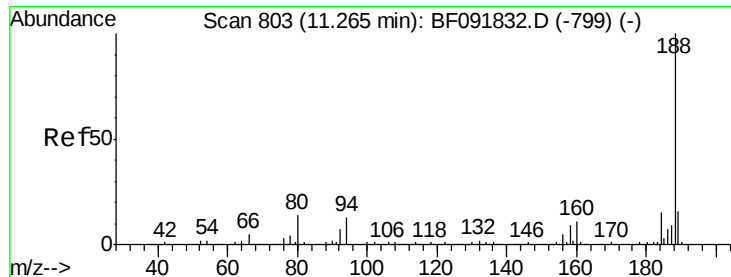
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

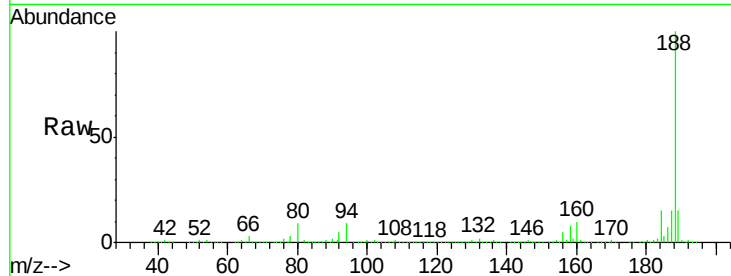
Ion 182.00 (181.70 to 182.70): E



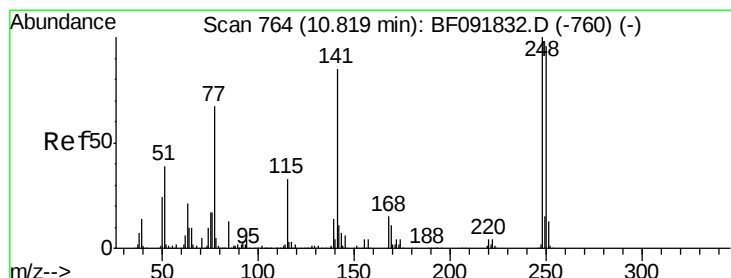
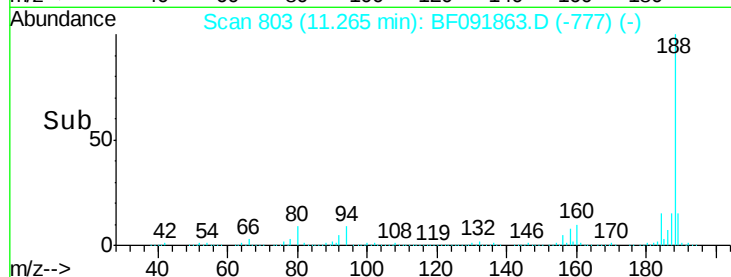
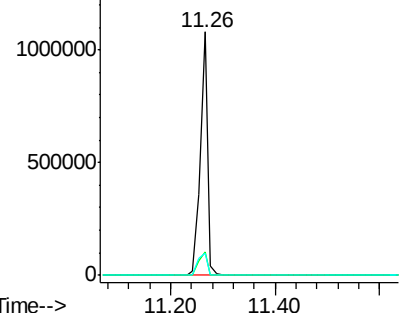


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091863.D
 Acq: 22 Dec 2016 4:50

Tgt Ion:188 Resp: 1047878
 Ion Ratio Lower Upper
 188 100
 94 9.4 10.0 15.0#
 80 9.3 11.2 16.8#

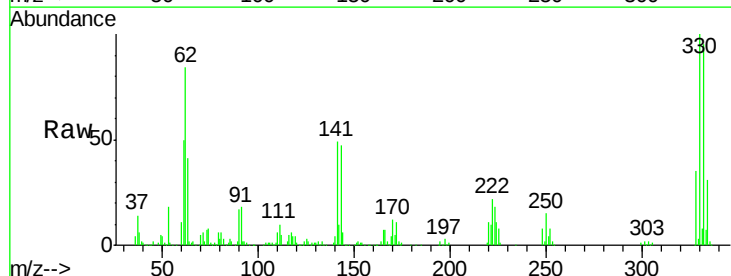


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

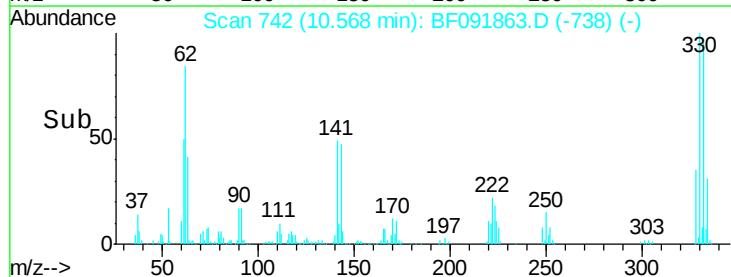
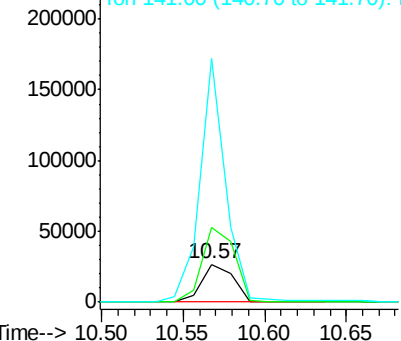


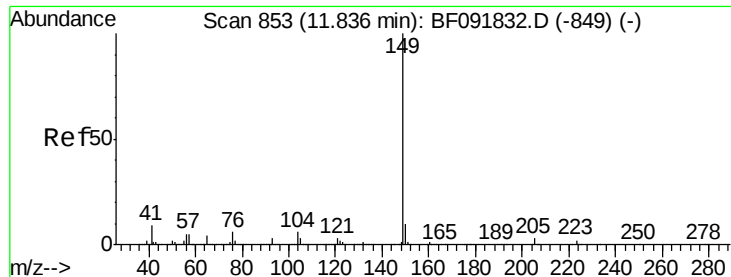
#66
 4-Bromophenyl-phenylether
 Concen: 3.35 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091863.D
 Acq: 22 Dec 2016 4:50

Tgt Ion:248 Resp: 36550
 Ion Ratio Lower Upper
 248 100
 250 196.2 76.9 115.3#
 141 640.4 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





#73

Di-n-butylphthalate

Concen: Below Cal

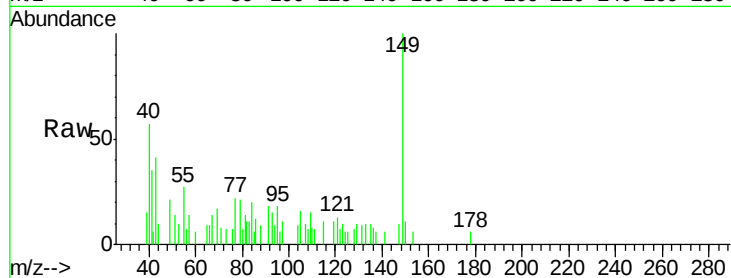
RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

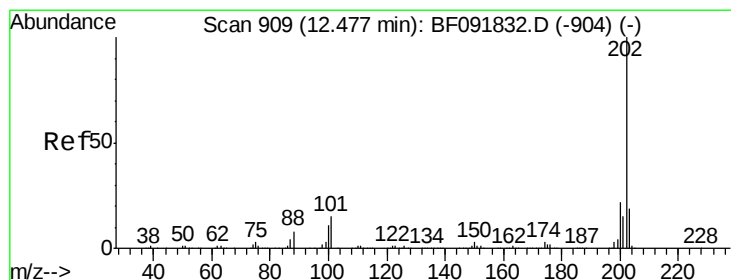
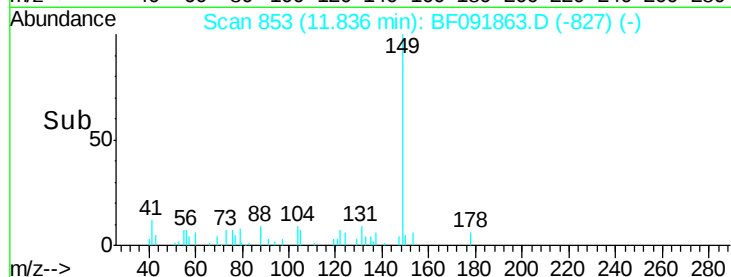
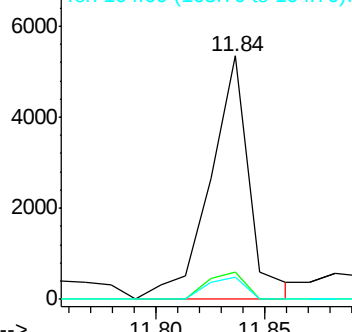
Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

Tgt Ion:	149	Resp:	6710
Ion	Ratio	Lower	Upper
149	100		
150	11.1	8.1	12.1
104	9.0	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

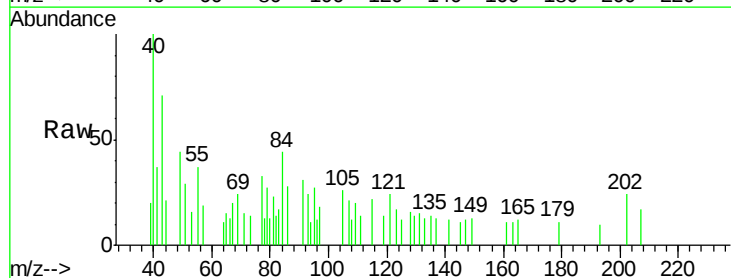
RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

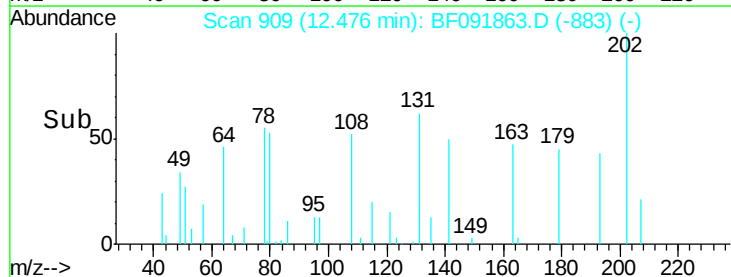
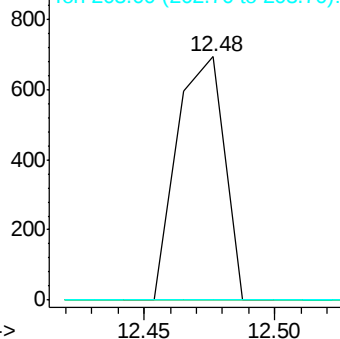
Lab File: BF091863.D

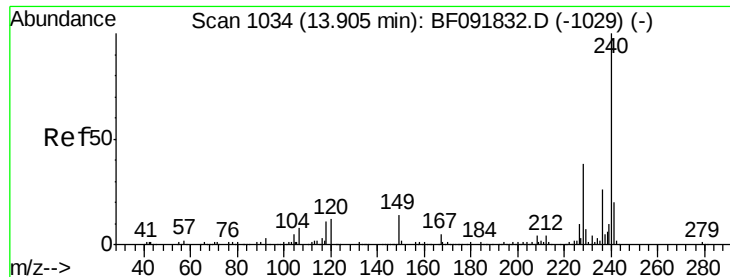
Acq: 22 Dec 2016 4:50

Tgt Ion:	202	Resp:	884
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.6
203	0.0	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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

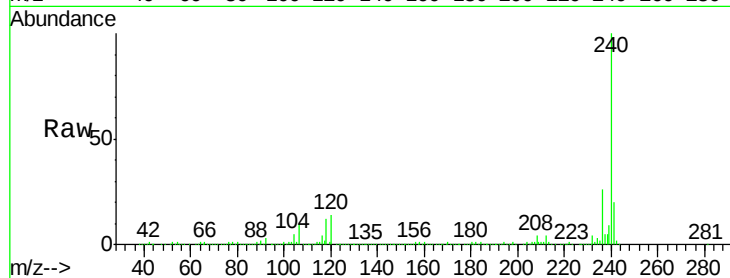
Tgt Ion:240 Resp: 811237

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

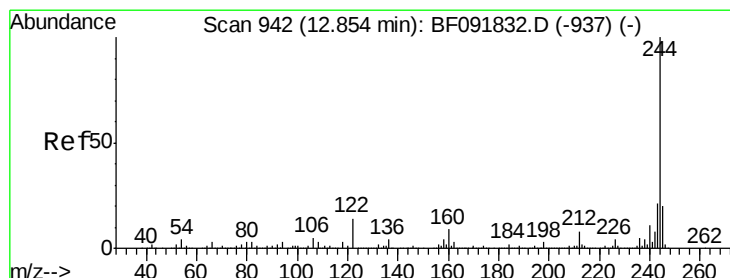
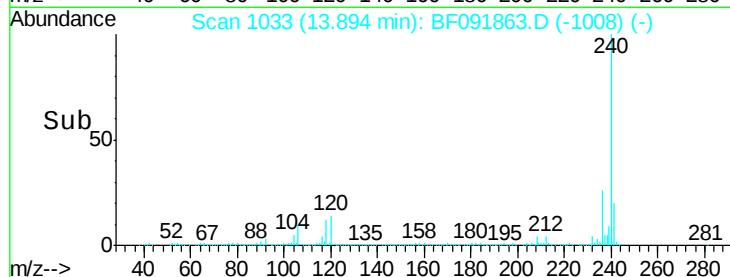
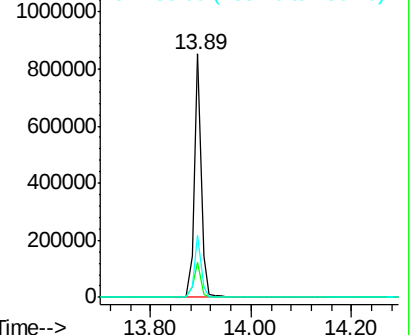
236 25.5 20.9 31.3



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: 67.88 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091863.D

Acq: 22 Dec 2016 4:50

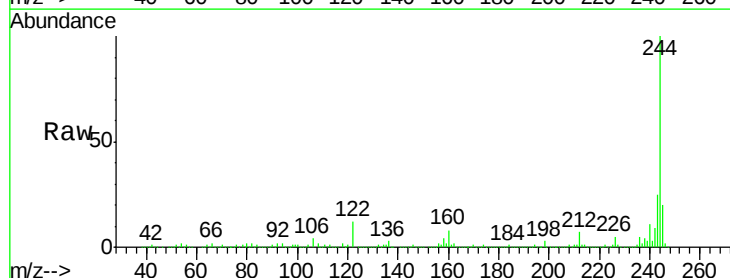
Tgt Ion:244 Resp: 2270610

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

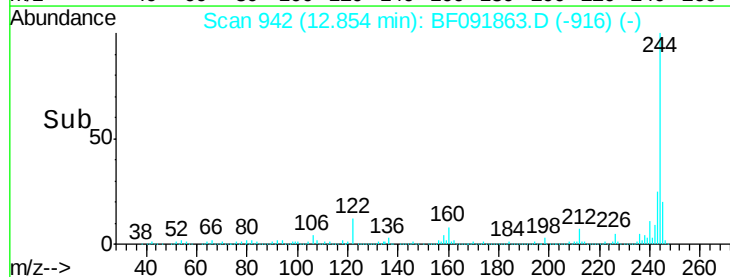
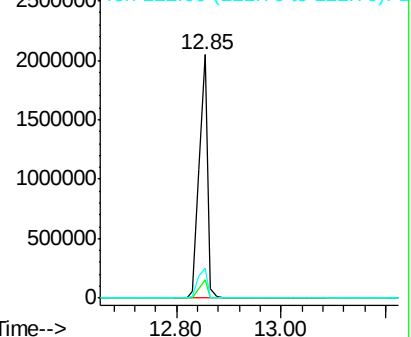
122 12.3 11.4 17.2

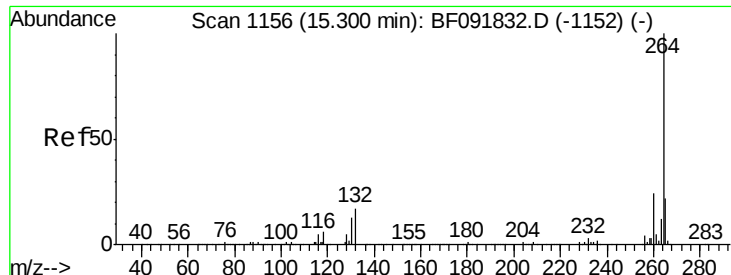


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

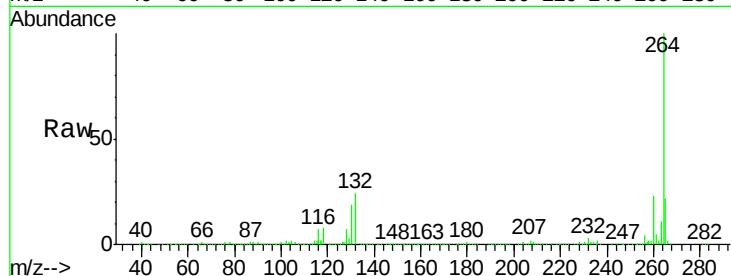
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091863.D
Acq: 22 Dec 2016 4:50

Tgt Ion:	264	Resp:	656695
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.0	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

