

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122116\
 Data File : BF091864.D
 Acq On : 22 Dec 2016 5:17
 Operator : UM/SJ
 Sample : H6156-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

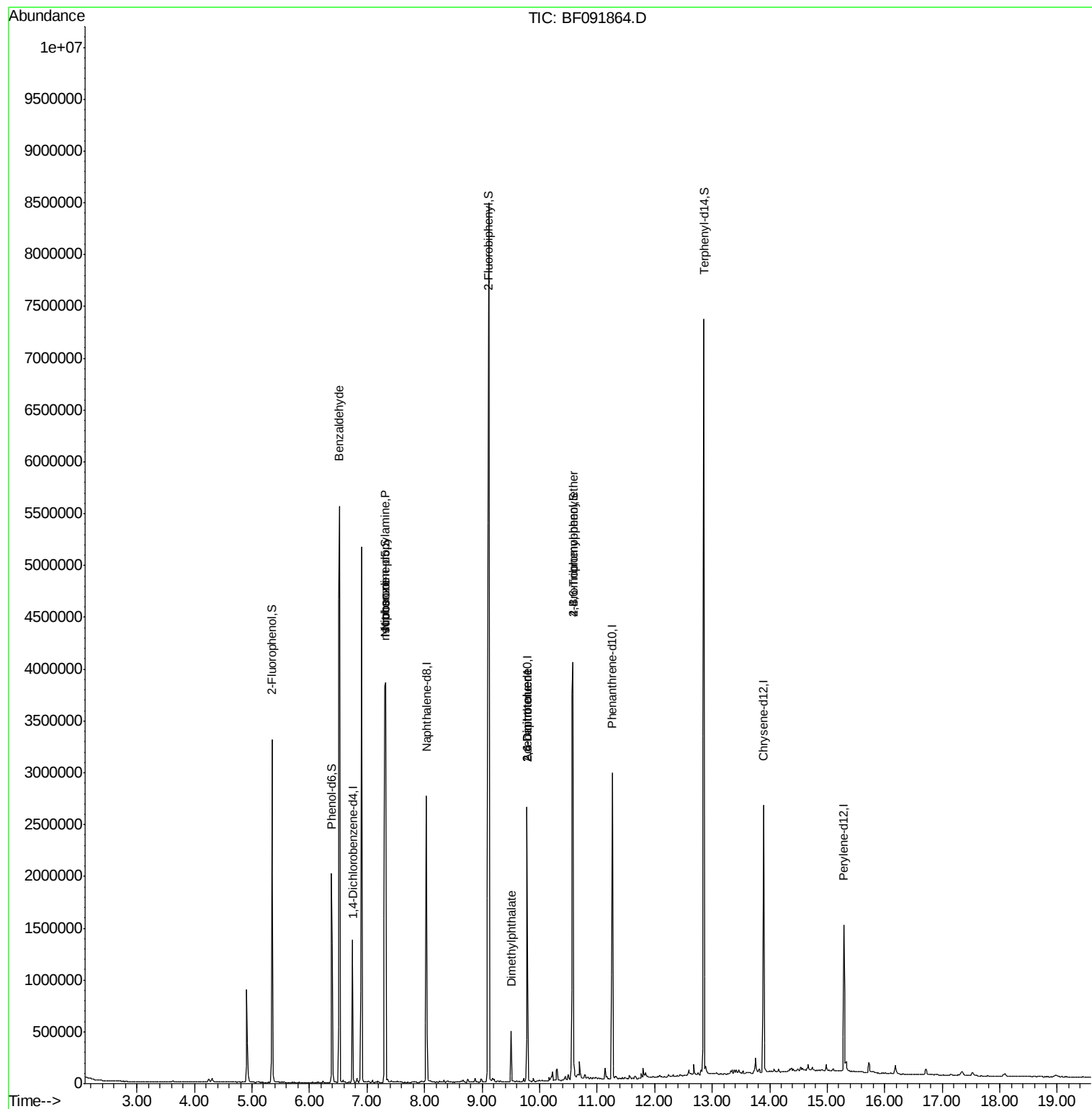
Quant Time: Dec 22 05:46:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	297071	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1311718	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	660355	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1126922	20.00	ng	0.00
75) Chrysene-d12	13.89	240	859606	20.00	ng	-0.01
86) Perylene-d12	15.29	264	657165	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1169967	65.76	ng	0.00
7) Phenol-d6	6.38	99	919556	42.33	ng	-0.02
23) Nitrobenzene-d5	7.32	82	2323364	98.49	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	796784	145.80	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3547480	114.56	ng	0.00
78) Terphenyl-d14	12.85	244	2604740	73.49	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.52	77	49564	2.83	ng	# 78
19) n-Nitroso-di-n-propylamine	7.31	70	303338	20.99	ng	# 76
25) Isophorone	7.32	82	1902595	43.72	ng	# 65
37) 2-Methylnaphthalene	8.74	142	1468	Below Cal		# 38
49) Dimethylphthalate	9.50	163	189353	4.48	ng	99
50) 2,6-Dinitrotoluene	9.78	165	86040	9.31	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	86043	7.42	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	50899	4.34	ng	# 1
71) Anthracene	11.33	178	4946	Below Cal		# 94
73) Di-n-butylphthalate	11.84	149	9483	Below Cal		99
74) Fluoranthene	12.48	202	3945	Below Cal		95

(#) = 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: BF091864.D

Acq: 22 Dec 2016 5:17

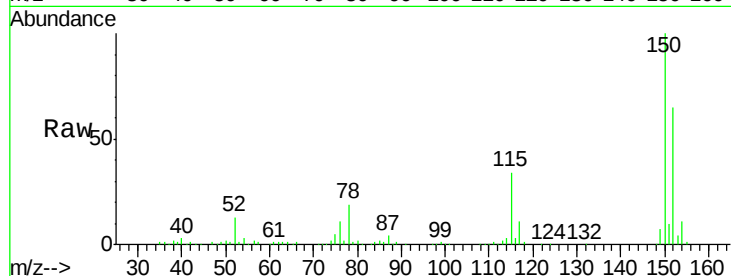
Tgt Ion:152 Resp: 297071

Ion Ratio Lower Upper

152 100

150 153.4 124.9 187.3

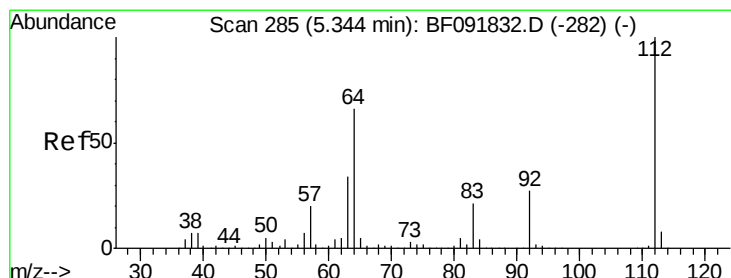
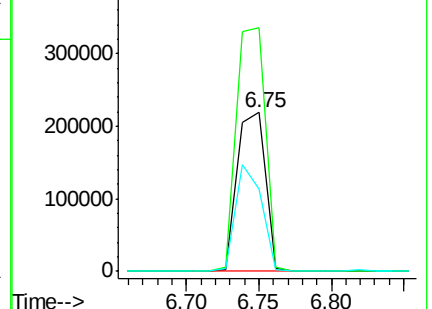
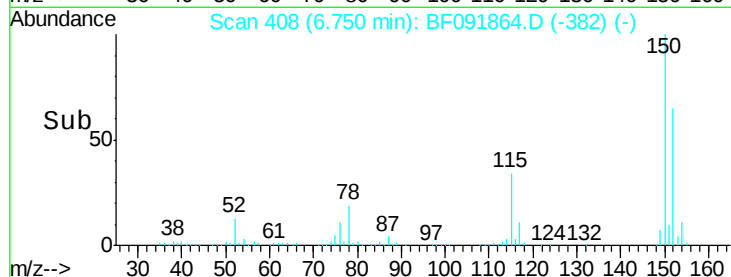
115 51.9 46.0 69.0



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: 65.76 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

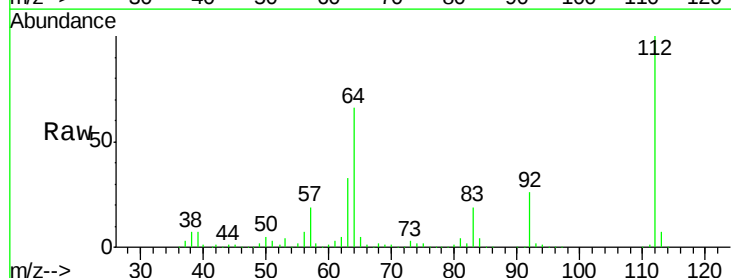
Tgt Ion:112 Resp: 1169967

Ion Ratio Lower Upper

112 100

64 65.7 46.1 69.1

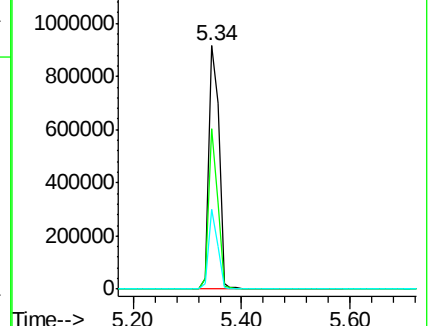
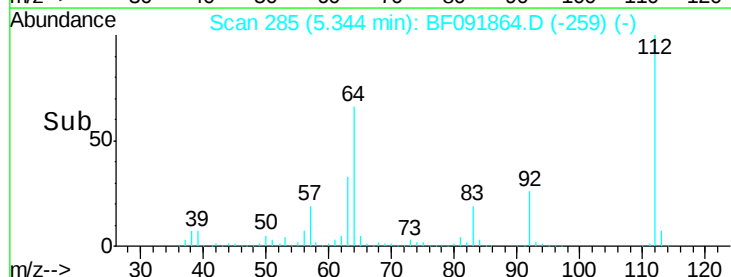
63 33.0 23.8 35.6



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: 42.33 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

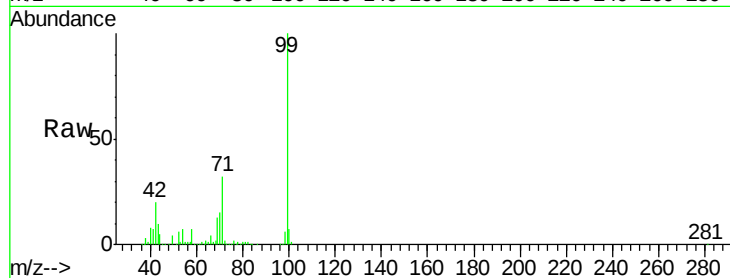
Tgt Ion: 99 Resp: 919556

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

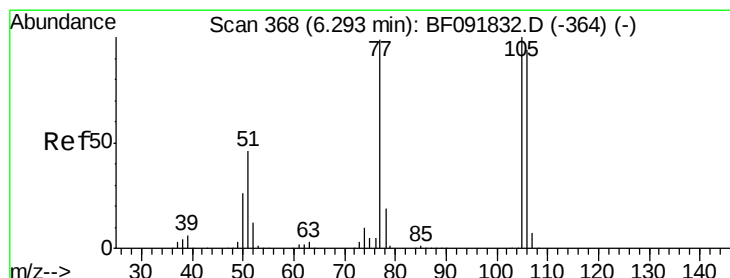
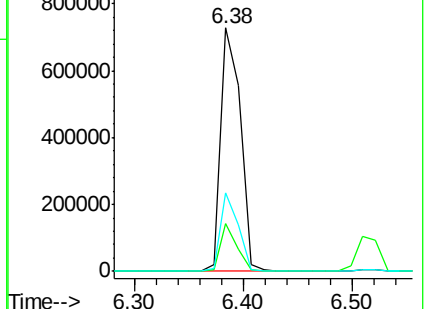
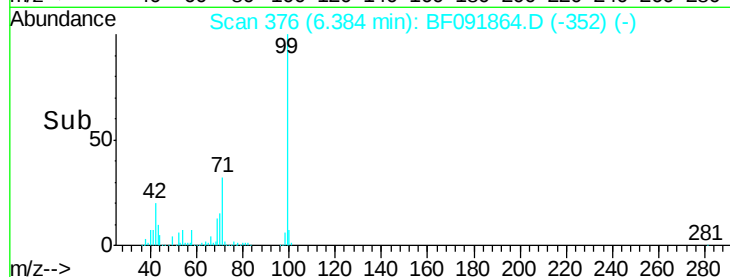
71 32.0 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.83 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.23 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

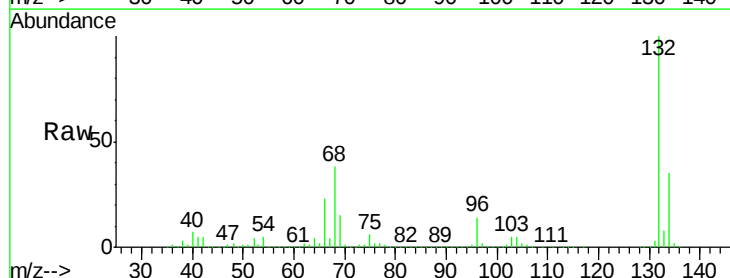
Tgt Ion: 77 Resp: 49564

Ion Ratio Lower Upper

77 100

105 86.6 83.9 123.9

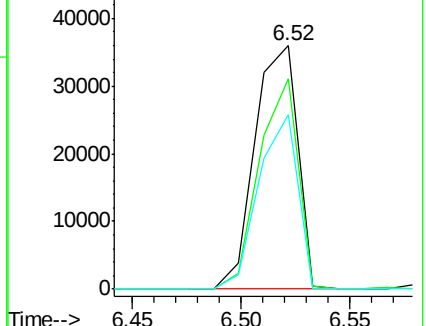
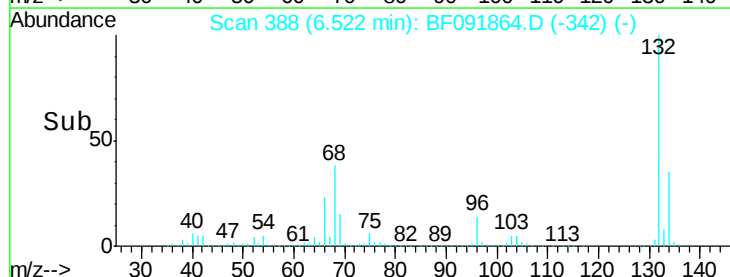
106 71.5 77.6 117.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

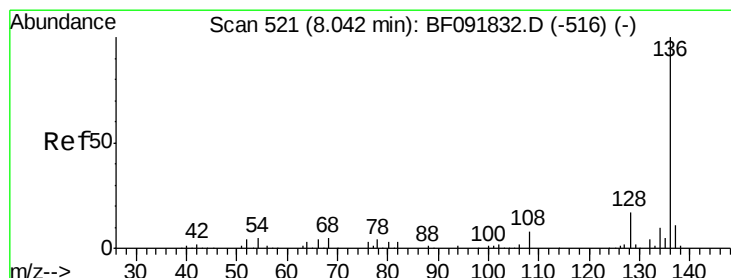
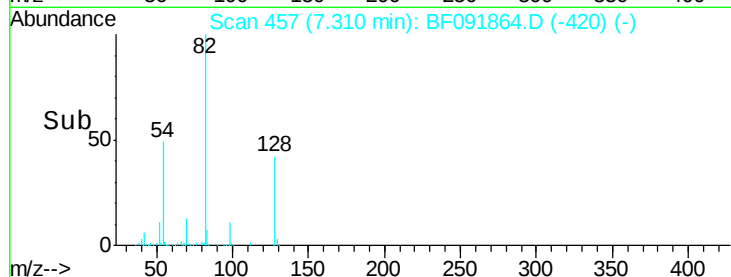
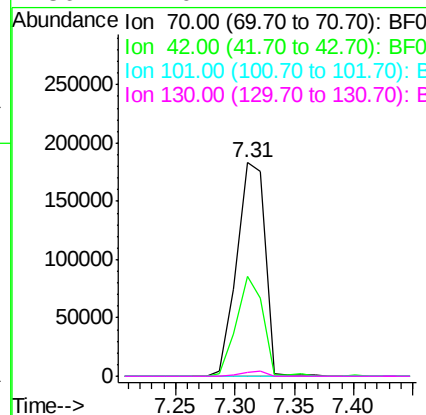
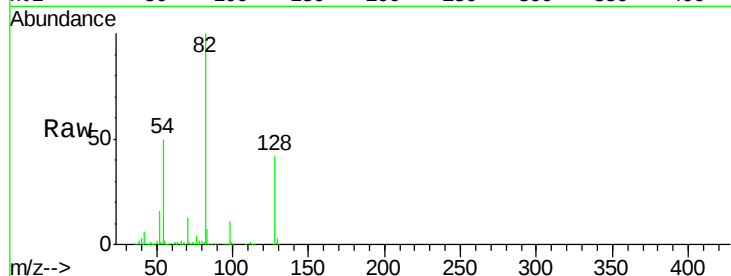
Ion 106.00 (105.70 to 106.70): E





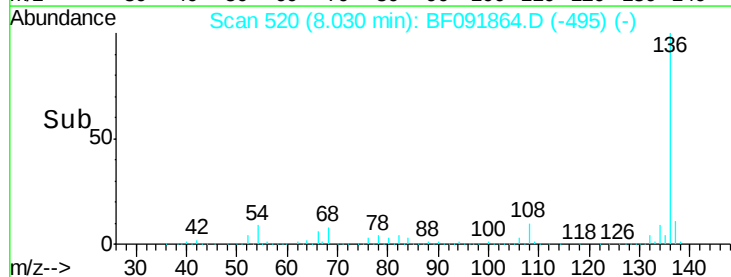
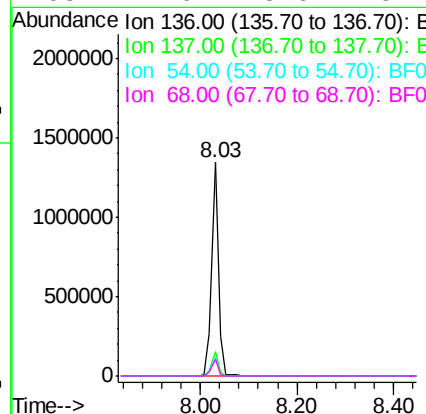
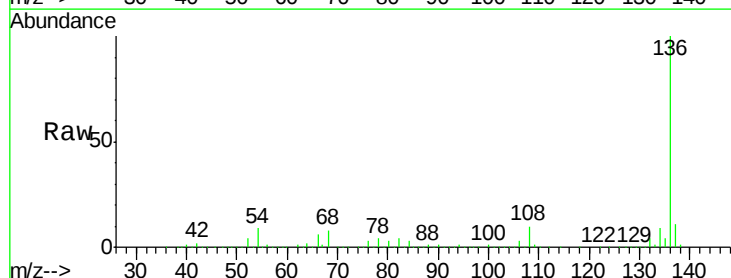
#19
n-Nitroso-di-n-propylamine
Concen: 20.99 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

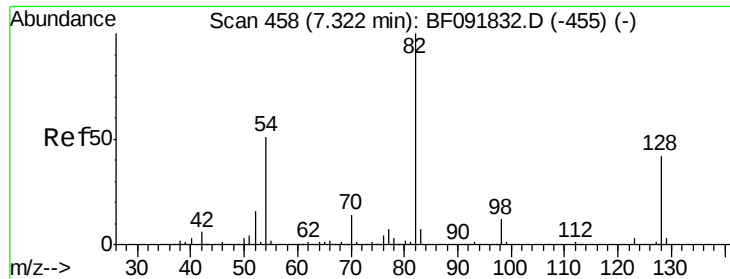
Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.6	49.4	74.0#
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.7	4.5	6.7#
68	7.6	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 98.49 ng

RT: 7.32 min Scan# 458

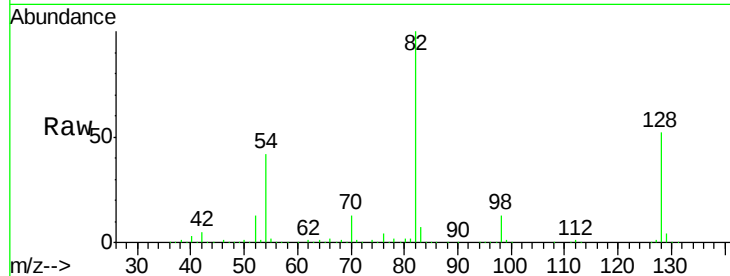
Delta R.T. -0.00 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

Tgt Ion: 82 Resp: 2323364

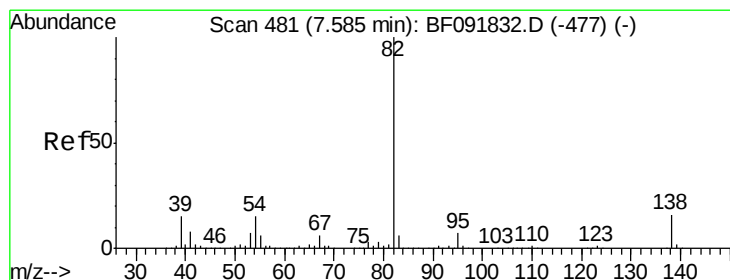
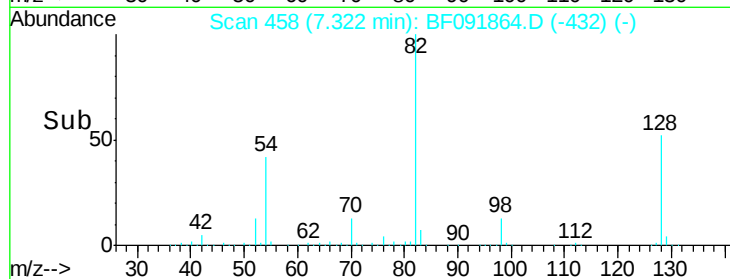
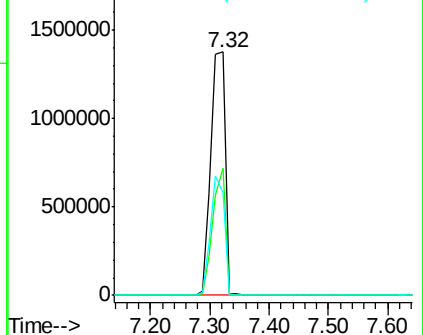
Ion	Ratio	Lower	Upper
82	100		
128	52.2	34.6	52.0#
54	42.2	39.5	59.3



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: 43.72 ng

RT: 7.32 min Scan# 458

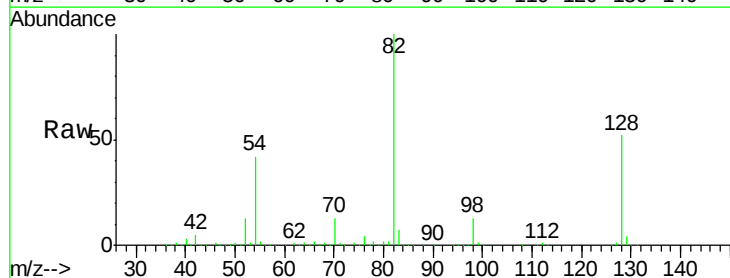
Delta R.T. -0.26 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

Tgt Ion: 82 Resp: 1902595

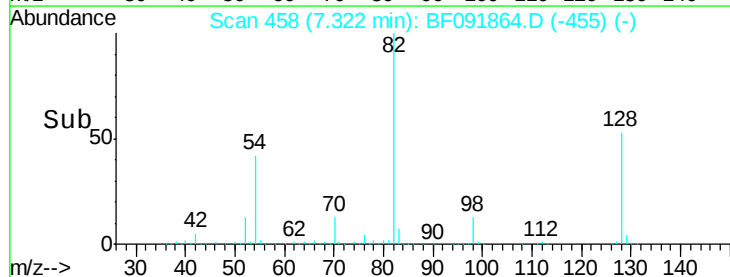
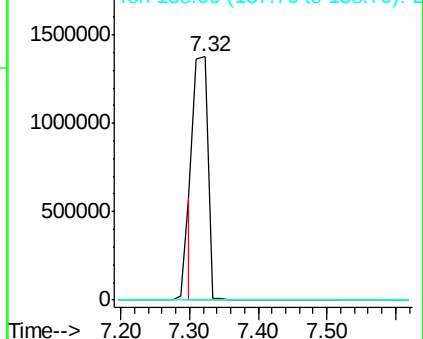
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

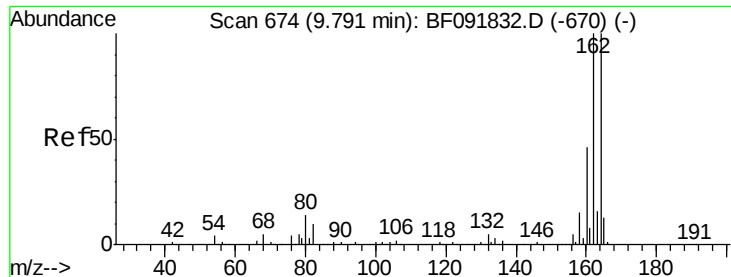


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

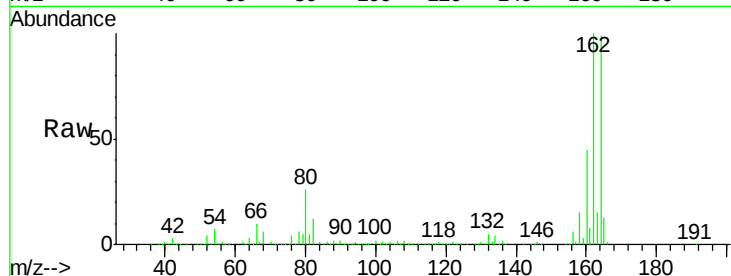
Tgt Ion:164 Resp: 660355

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

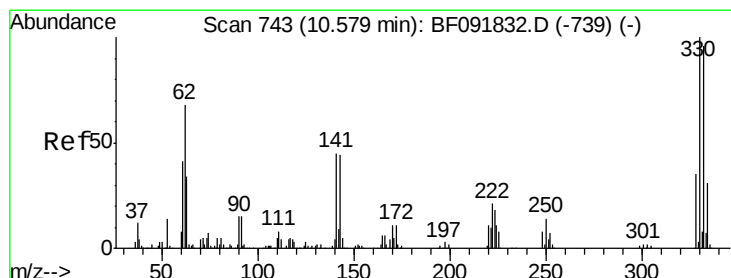
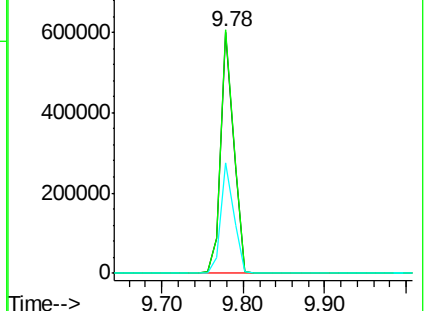
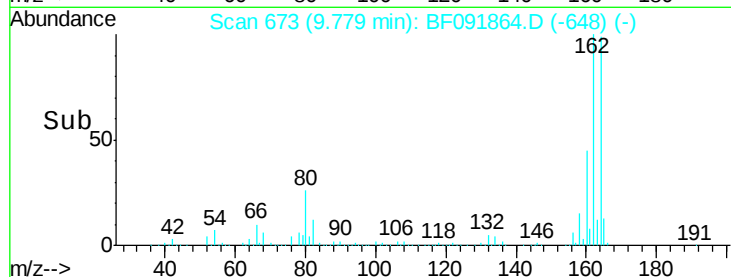
160 45.8 36.9 55.3



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: 145.80 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

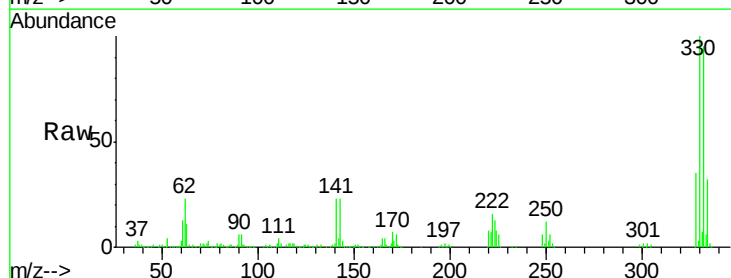
Tgt Ion:330 Resp: 796784

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

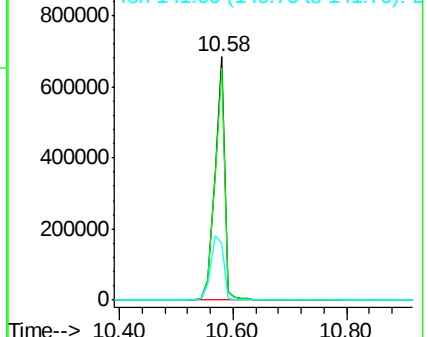
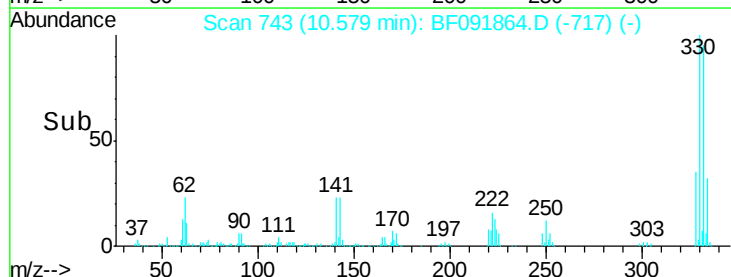
141 34.9 34.1 51.1

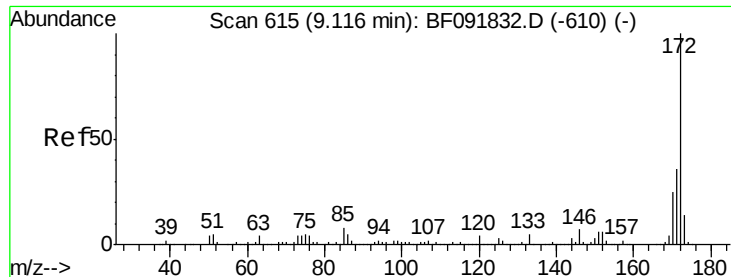


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

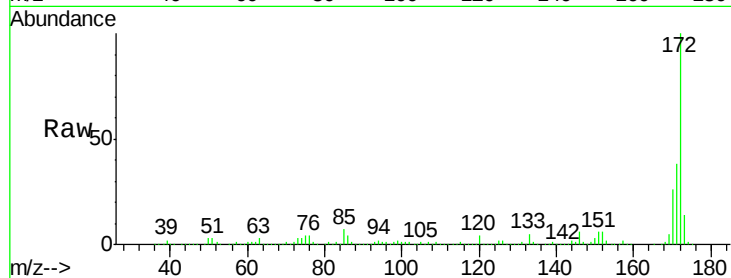




#44
2-Fluorobiphenyl
Concen: 114.56 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

Tgt Ion:172 Resp: 3547480

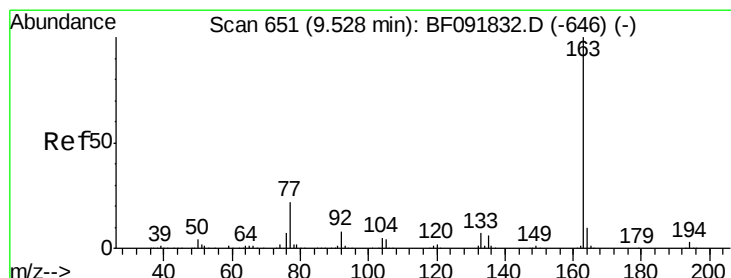
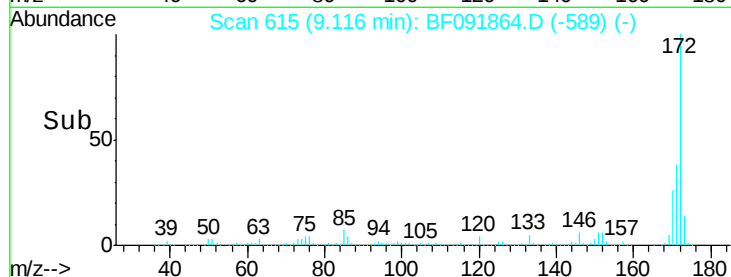
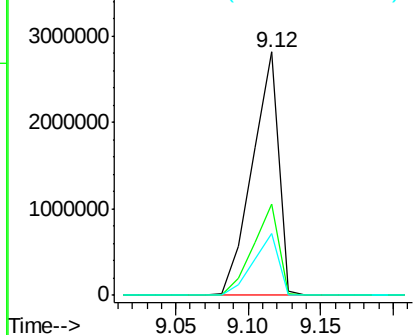
Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.0
170	25.7	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

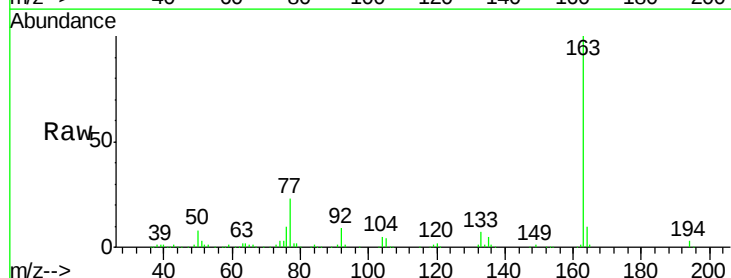
Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 4.48 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

Tgt Ion:163 Resp: 189353

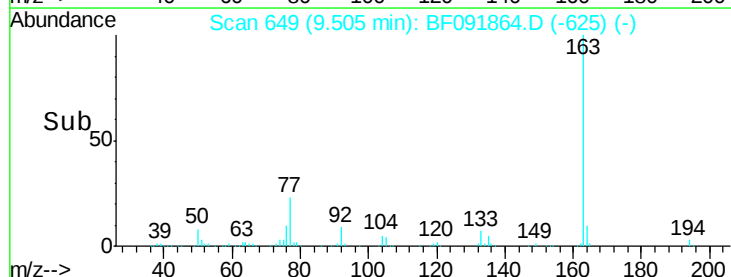
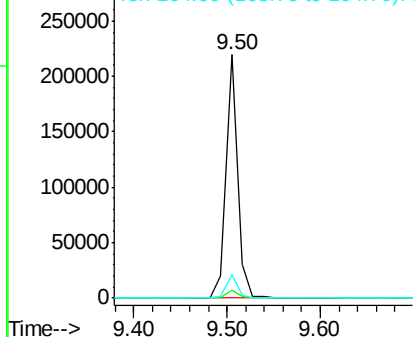
Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	9.6	8.0	12.0

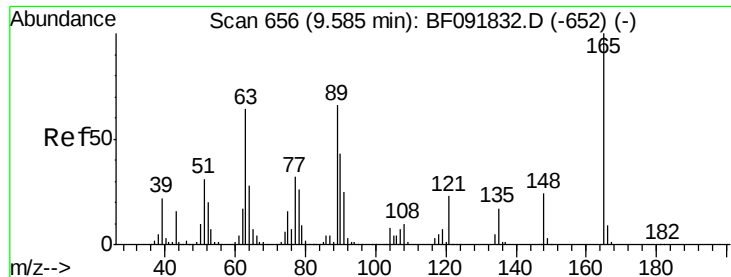


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

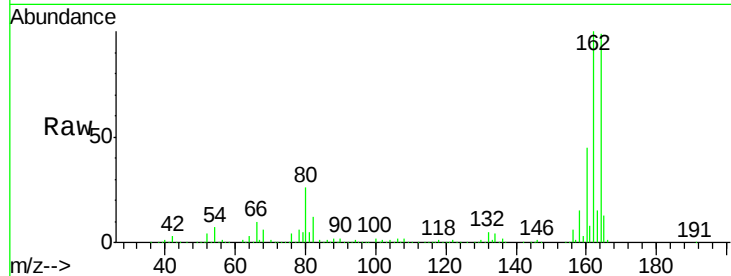
Ion 164.00 (163.70 to 164.70): E





#50
 2,6-Dinitrotoluene
 Concen: 9.31 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091864.D
 Acq: 22 Dec 2016 5:17

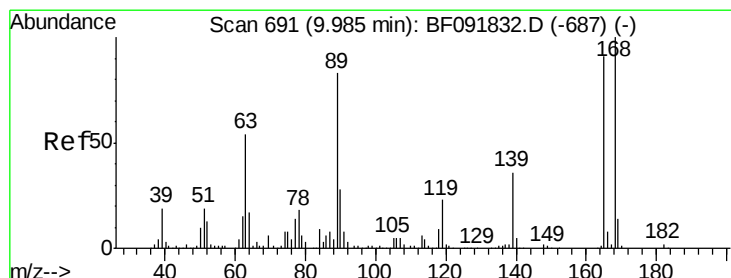
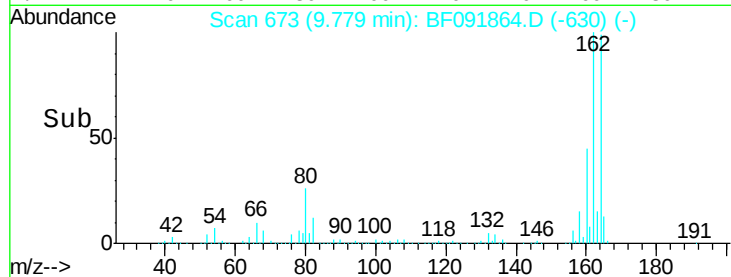
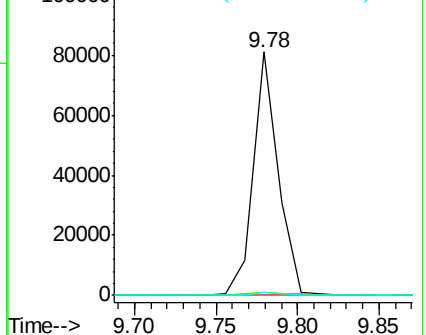
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.2	54.4#
89	1.0	40.2	60.4#



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



#56
 2,4-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091864.D
 Acq: 22 Dec 2016 5:17

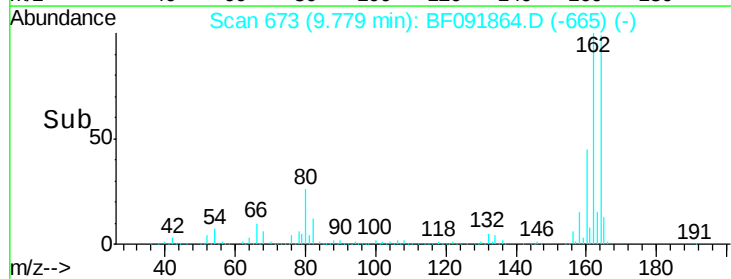
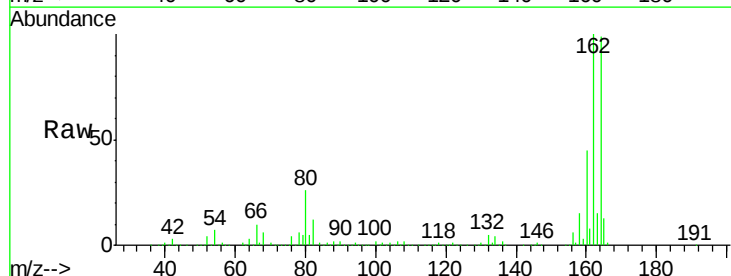
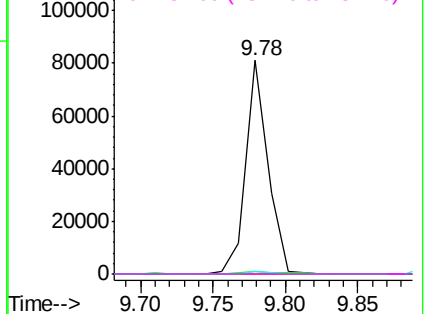
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

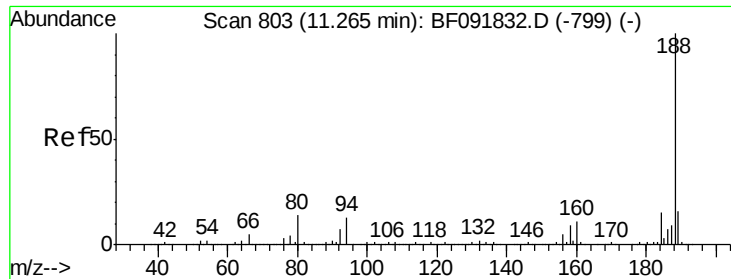
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

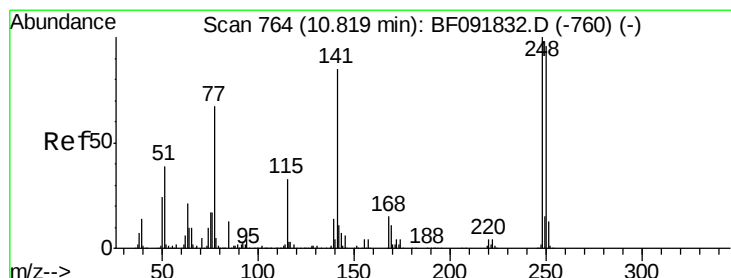
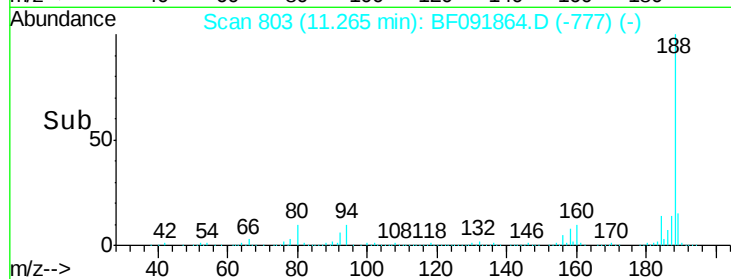
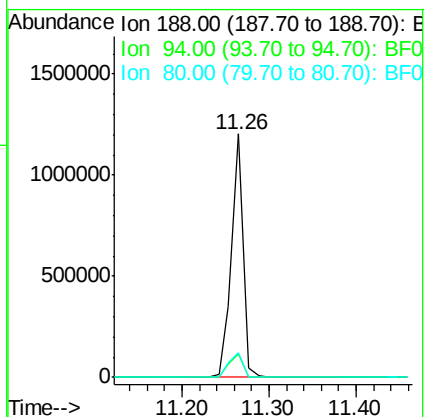
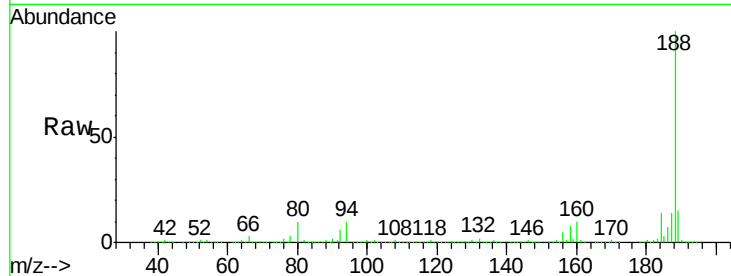
Ion 182.00 (181.70 to 182.70): E





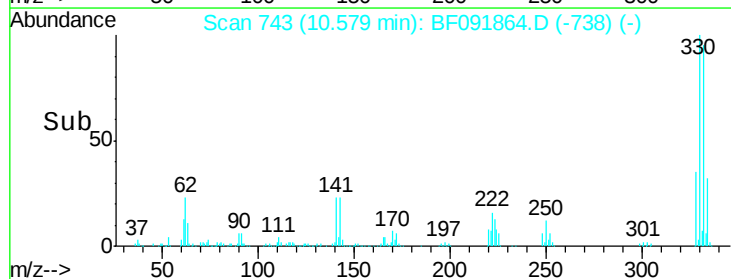
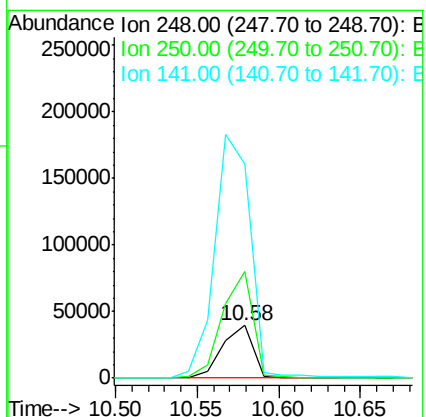
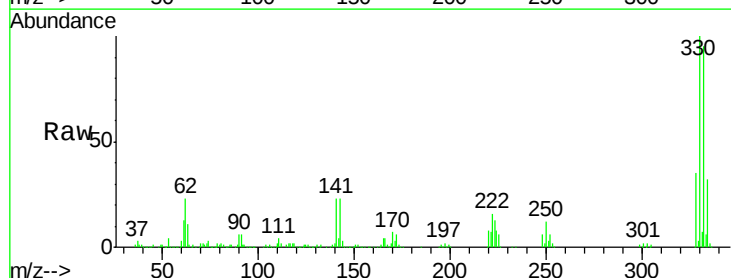
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

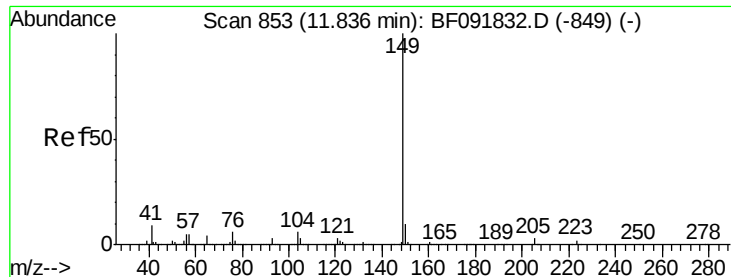
Tgt Ion:188 Resp: 1126922
Ion Ratio Lower Upper
188 100
94 9.8 10.0 15.0#
80 10.3 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 4.34 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.24 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

Tgt Ion:248 Resp: 50899
Ion Ratio Lower Upper
248 100
250 202.3 76.9 115.3#
141 407.3 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

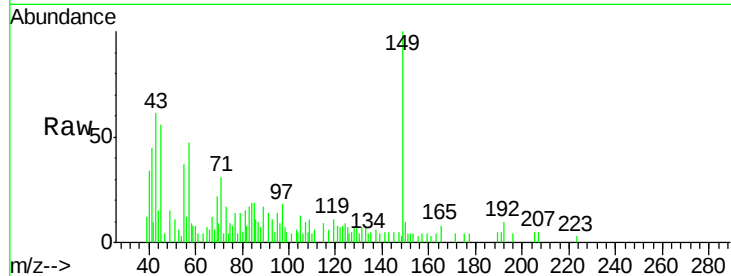
RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

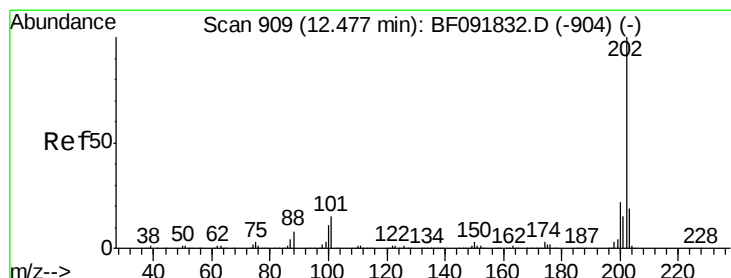
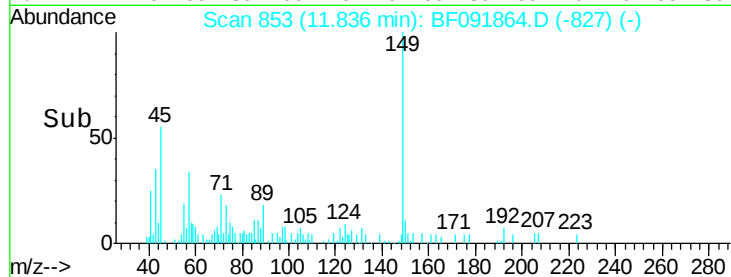
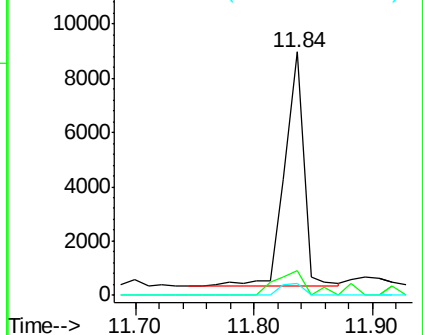
Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

Tgt Ion:	149	Resp:	9483
Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.1	12.1
104	4.9	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

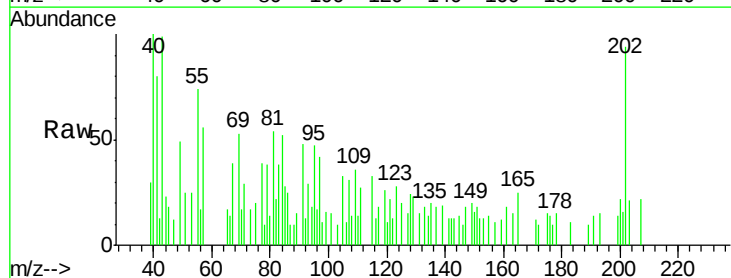
RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

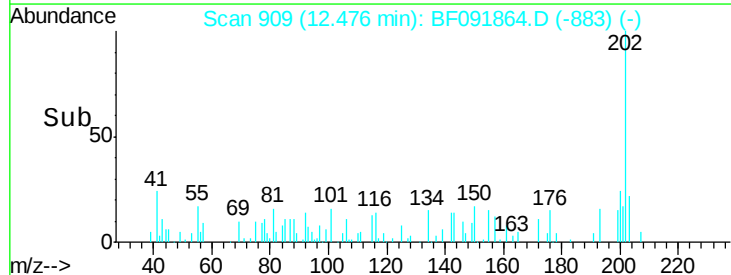
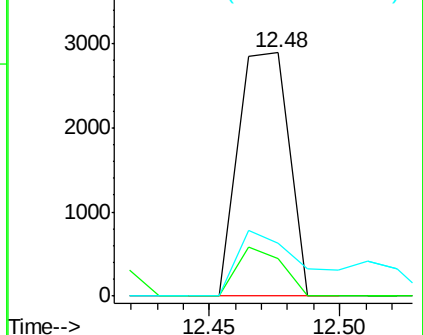
Lab File: BF091864.D

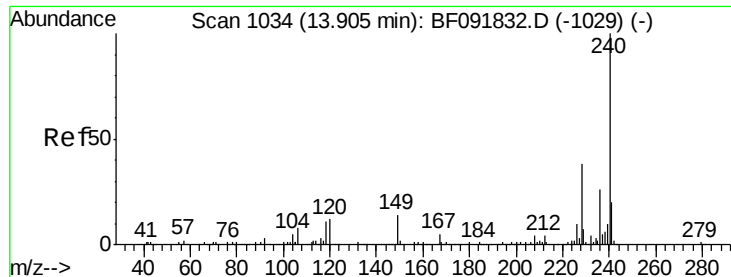
Acq: 22 Dec 2016 5:17

Tgt Ion:	202	Resp:	3945
Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	34.6
203	21.9	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: BF091864.D

Acq: 22 Dec 2016 5:17

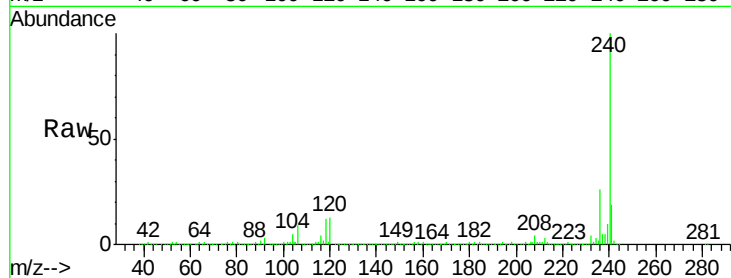
Tgt Ion:240 Resp: 859606

Ion Ratio Lower Upper

240 100

120 13.0 12.9 19.3

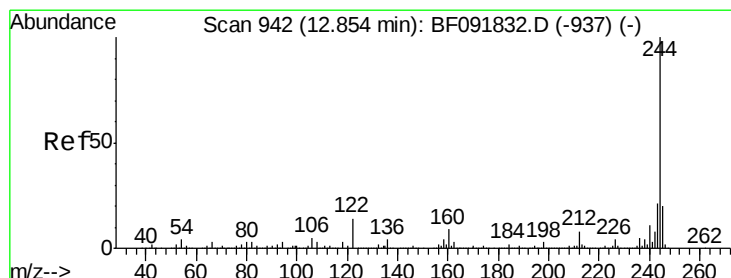
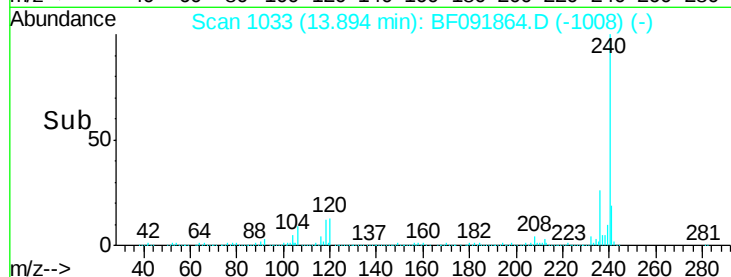
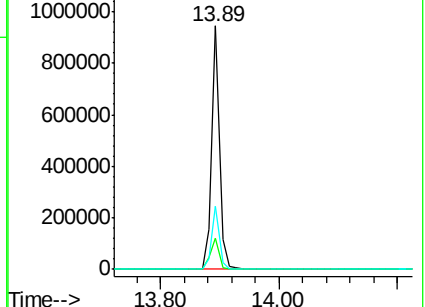
236 25.8 20.9 31.3



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: 73.49 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091864.D

Acq: 22 Dec 2016 5:17

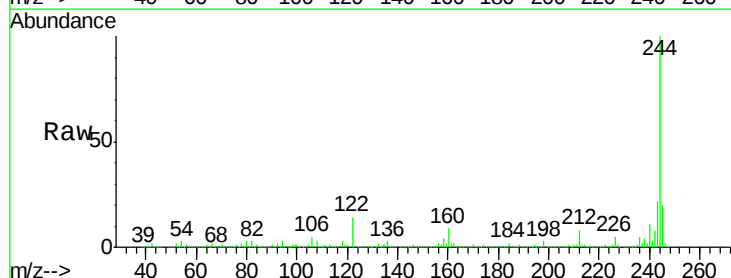
Tgt Ion:244 Resp: 2604740

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

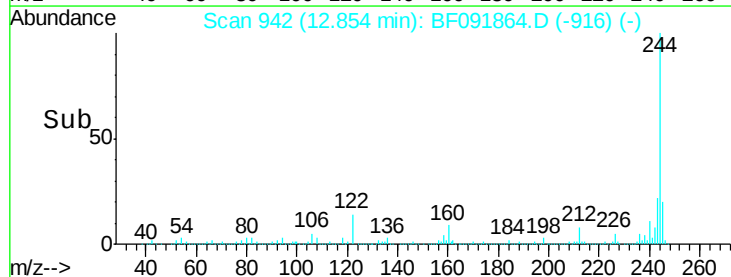
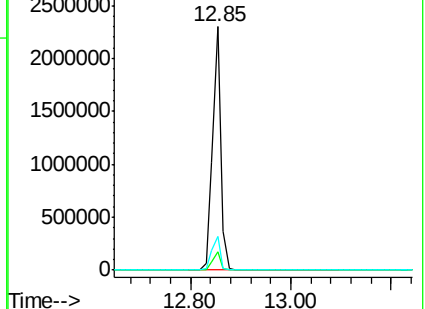
122 14.0 11.4 17.2

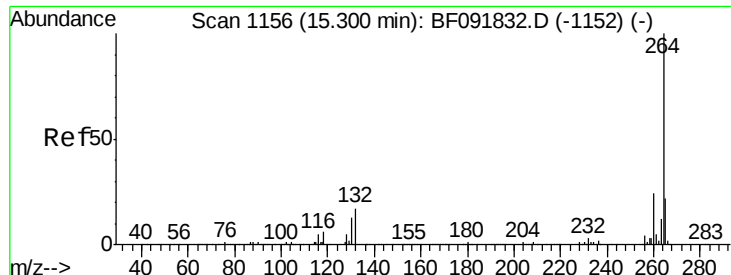


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

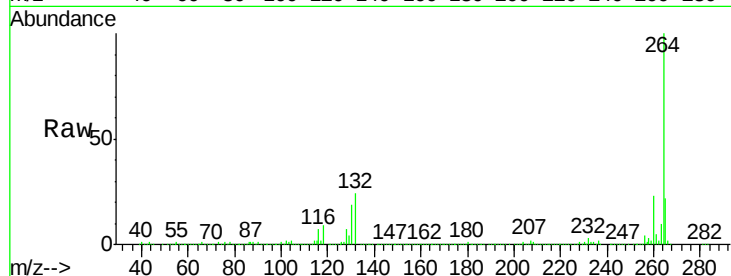
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091864.D
Acq: 22 Dec 2016 5:17

Tgt Ion:	264	Resp:	657165
Ion Ratio	Lower	Upper	
264	100		
260	23.4	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

