

Data Path : Z:\HPCHEM1\BNA F\Data\BF122116\
 Data File : BF091870.D
 Acq On : 22 Dec 2016 8:01
 Operator : UM/SJ
 Sample : H6156-16
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

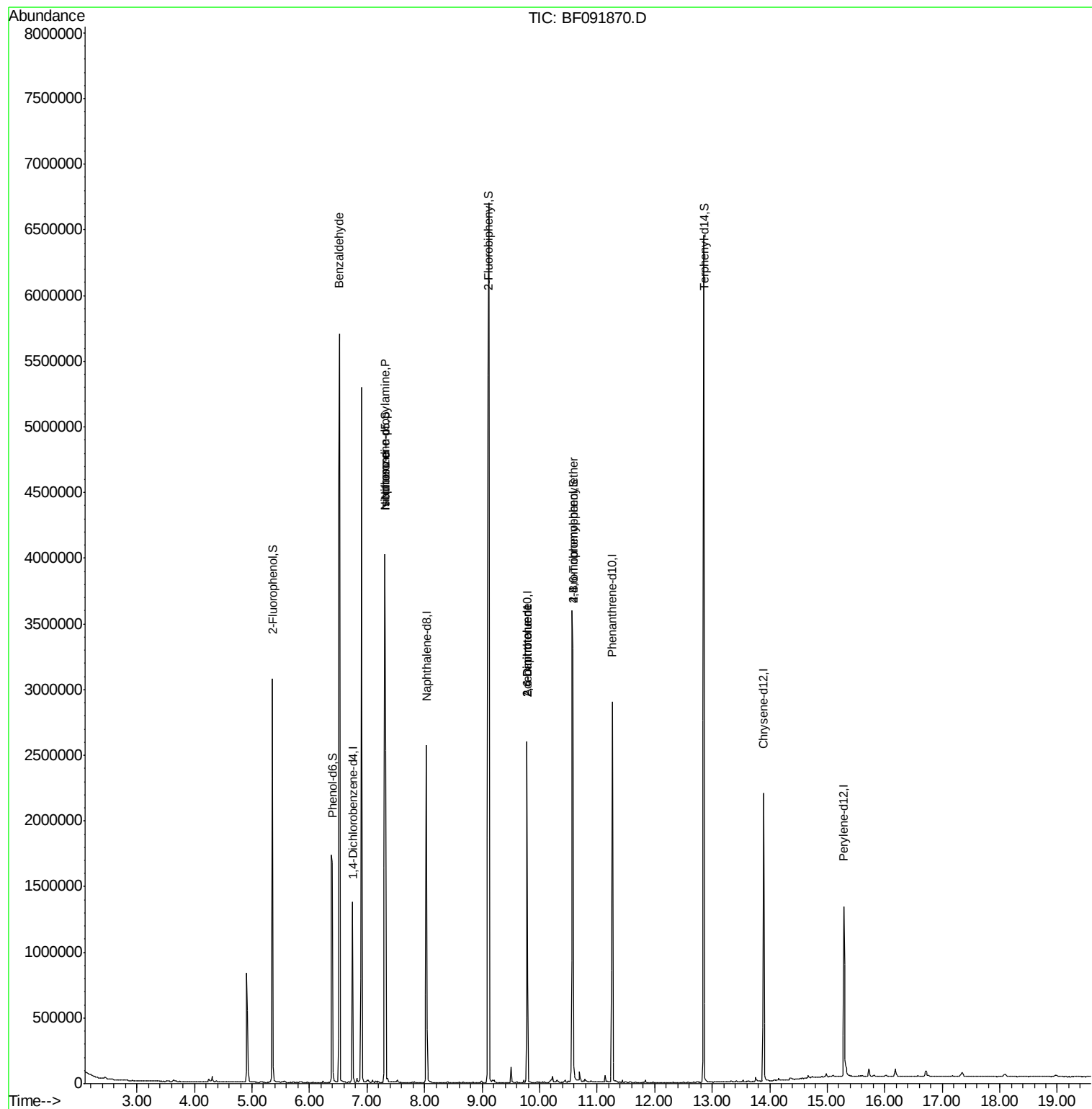
Quant Time: Dec 22 16:07:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

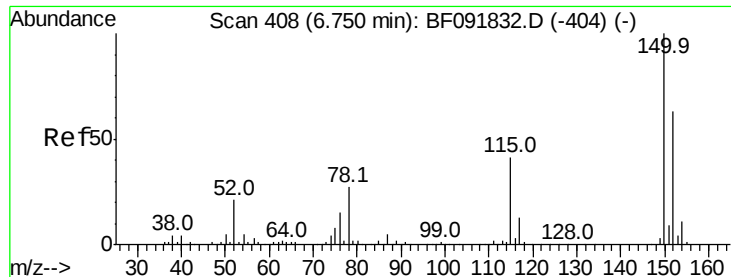
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	306381	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1264795	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	632268	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1082688	20.00	ng	0.00
75) Chrysene-d12	13.89	240	759805	20.00	ng	-0.01
86) Perylene-d12	15.29	264	673597	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1159713	63.20	ng	0.01
7) Phenol-d6	6.40	99	936716	41.81	ng	-0.01
23) Nitrobenzene-d5	7.31	82	2054971	90.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	744083	142.20	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3265050	109.53	ng	0.00
78) Terphenyl-d14	12.85	244	2209584	70.53	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.52	77	48381	2.67	ng	# 78
19) n-Nitroso-di-n-propylamine	7.31	70	263999	17.71	ng	# 76
25) Isophorone	7.31	82	1624720	38.72	ng	# 65
37) 2-Methylnaphthalene	8.84	142	2098	Below Cal		96
50) 2,6-Dinitrotoluene	9.78	165	81450	9.20	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	81452	7.33	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	46564	4.13	ng	# 1
71) Anthracene	11.33	178	213	Below Cal		# 59
73) Di-n-butylphthalate	11.84	149	11128	Below Cal		# 96
74) Fluoranthene	12.48	202	468	Below Cal		61

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

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QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

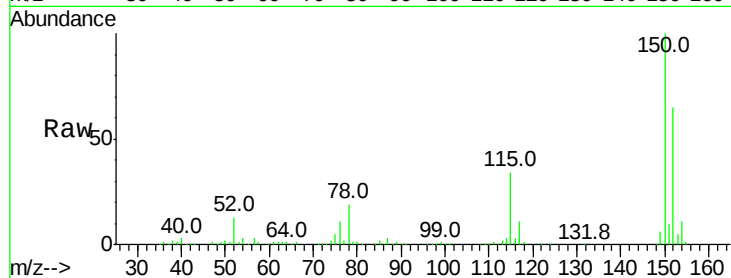
Tot Ion:152 Resp: 306381

Ion Ratio Lower Upper

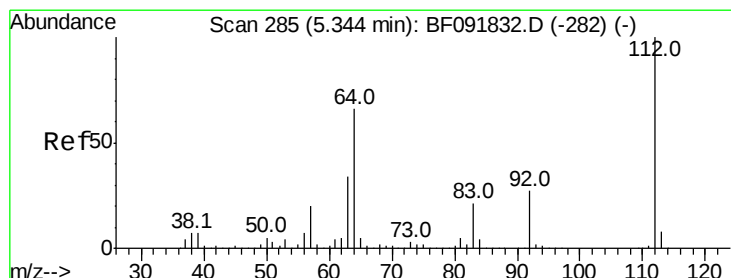
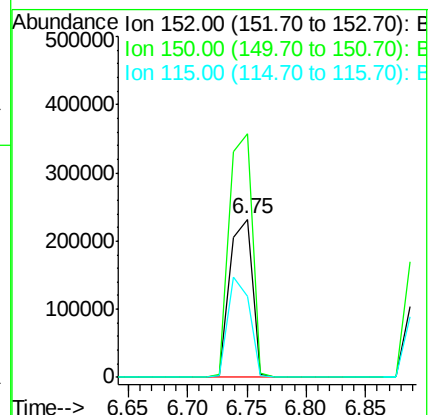
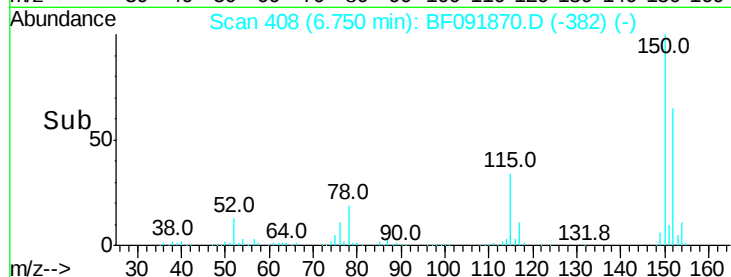
152 100

150 153.9 124.9 187.3

115 51.6 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: 63.20 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

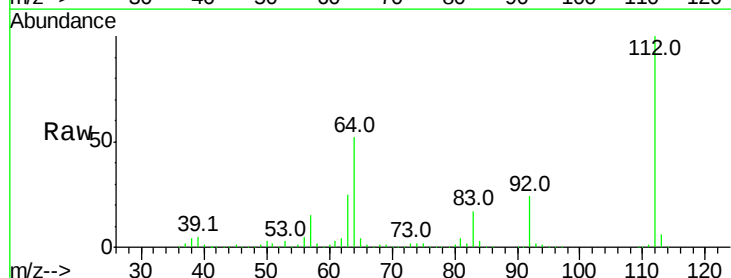
Tgt Ion:112 Resp: 1159713

Ion Ratio Lower Upper

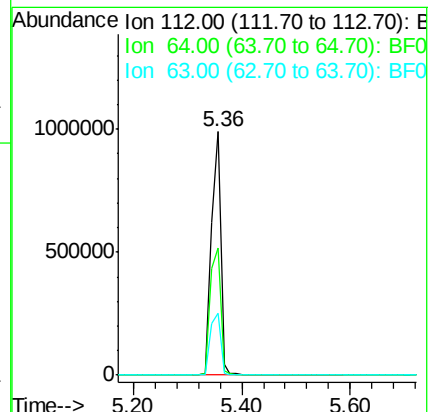
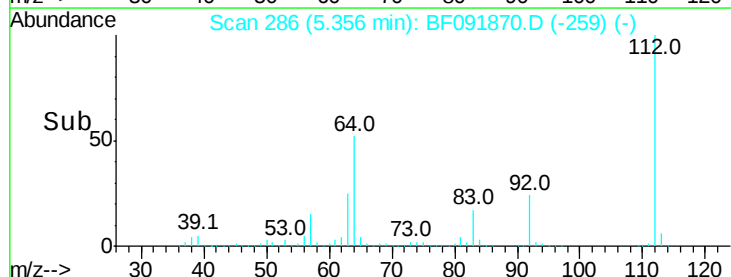
112 100

64 52.2 46.1 69.1

63 25.5 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: 41.81 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

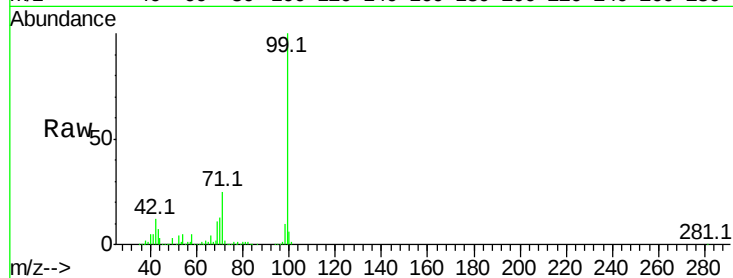
Tot Ion: 99 Resp: 936716

Ion Ratio Lower Upper

99 100

42 12.5 15.6 23.4#

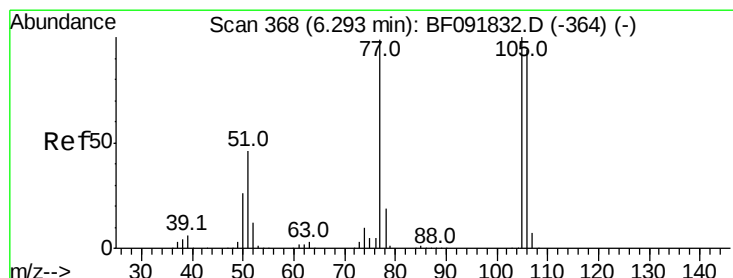
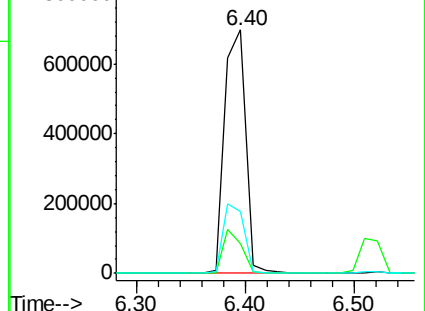
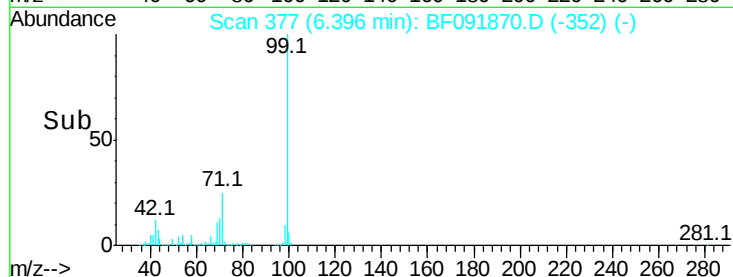
71 25.2 27.5 41.3#



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: 2.67 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.23 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

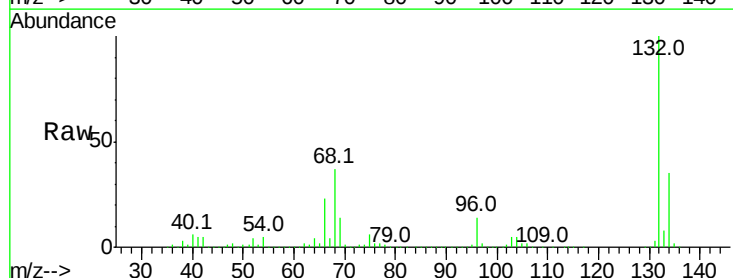
Tgt Ion: 77 Resp: 48381

Ion Ratio Lower Upper

77 100

105 85.0 83.9 123.9

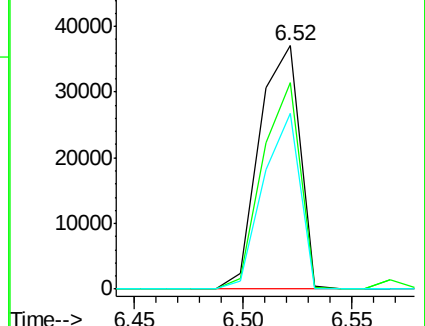
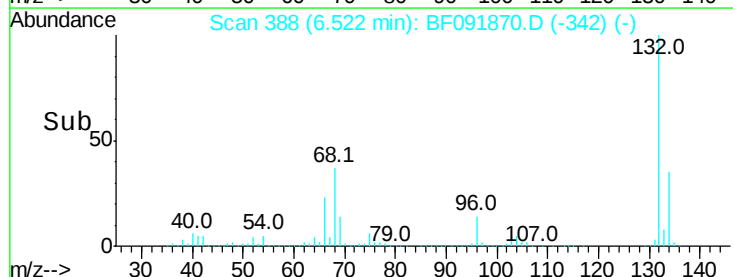
106 72.0 77.6 117.6#

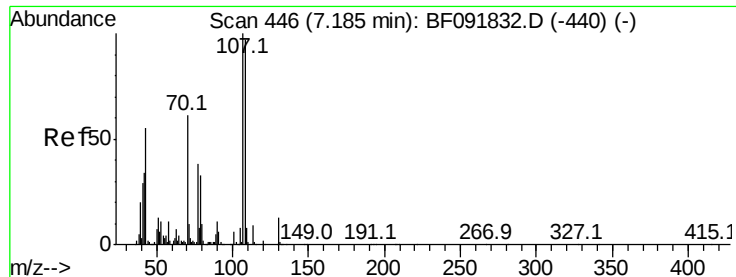


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 17.71 ng

RT: 7.31 min Scan# 457

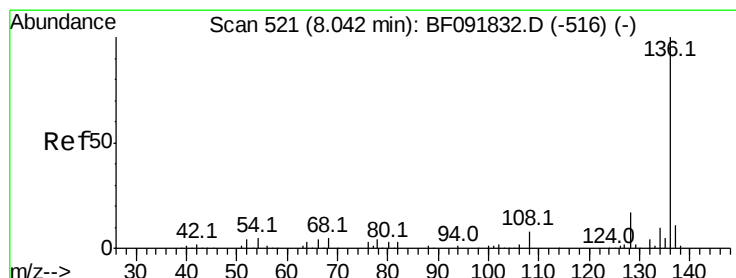
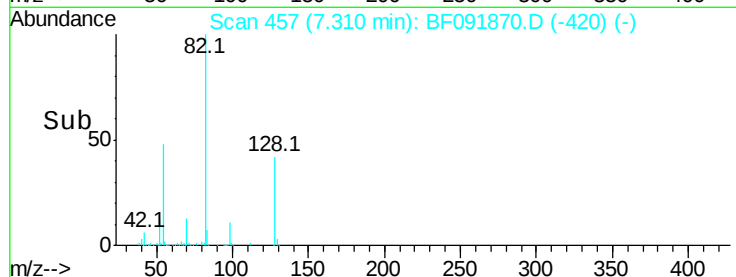
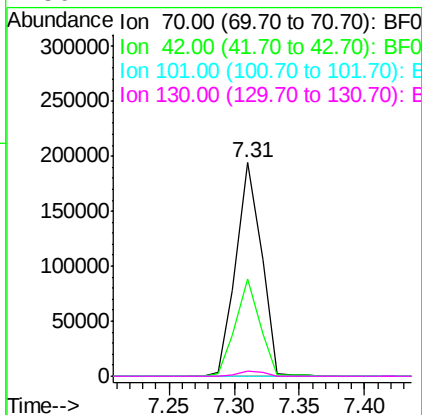
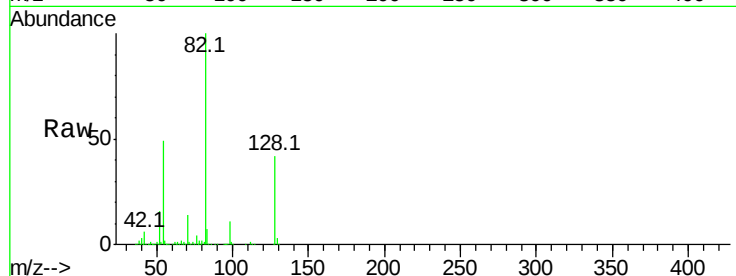
Delta R.T. 0.13 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

Tot Ion: 70 Resp: 263999

Ion	Ratio	Lower	Upper
70	100		
42	45.7	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

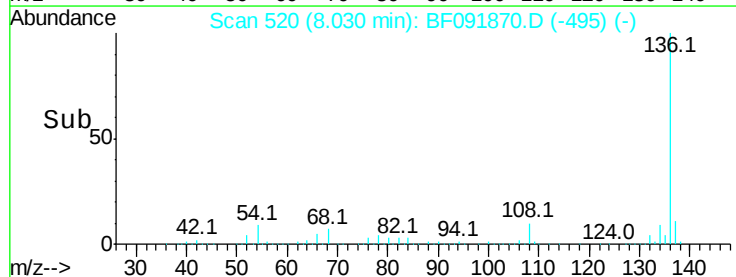
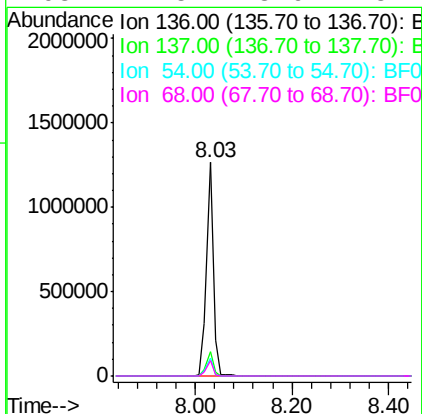
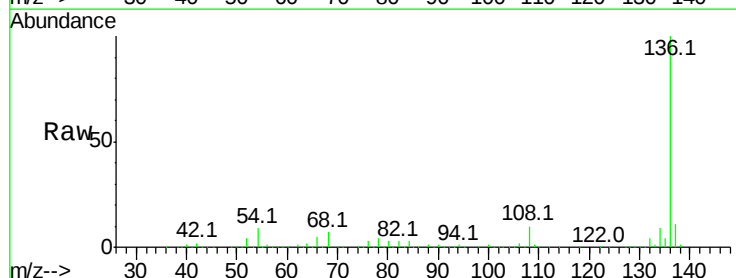
Delta R.T. -0.01 min

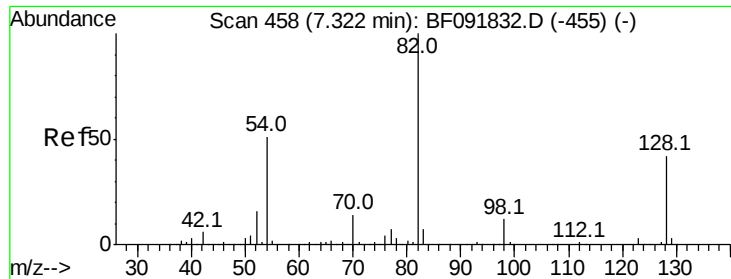
Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

Tgt Ion: 136 Resp: 1264795

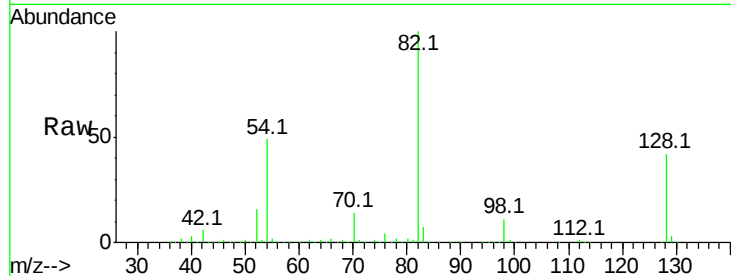
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	8.6	4.5	6.7#
68	7.5	3.6	5.4#



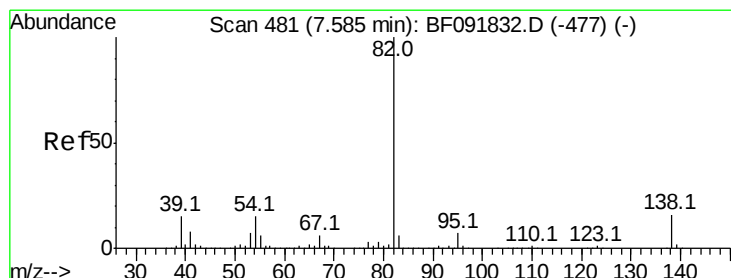
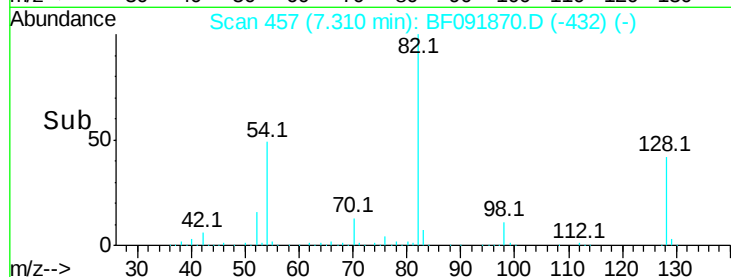
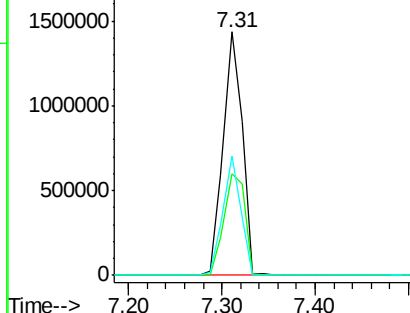


#23
Nitrobenzene-d5
Concen: 90.35 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091870.D
Acq: 22 Dec 2016 8:01

Tot Ion: 82 Resp: 2054971
Ion Ratio Lower Upper
82 100
128 41.8 34.6 52.0
54 49.3 39.5 59.3

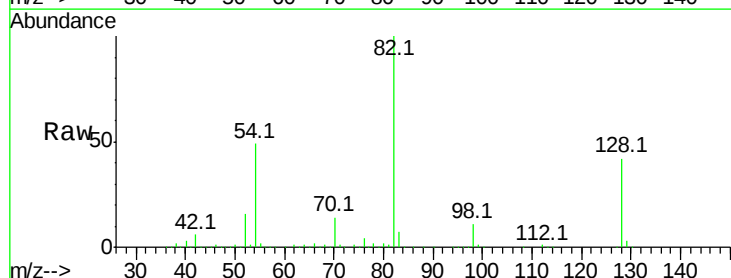


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

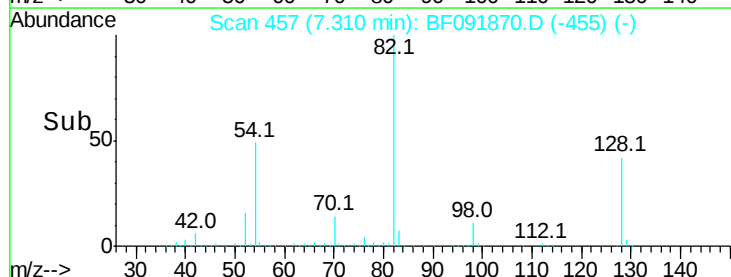
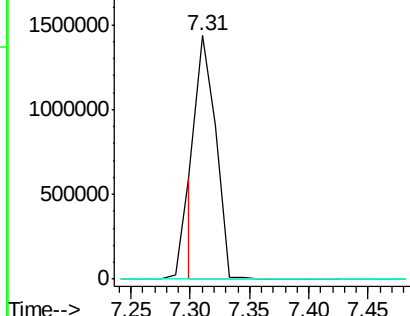


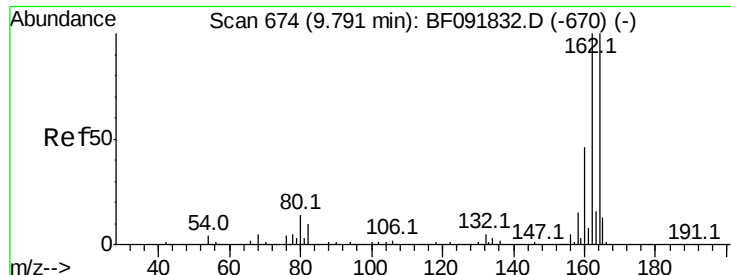
#25
Isophorone
Concen: 38.72 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.27 min
Lab File: BF091870.D
Acq: 22 Dec 2016 8:01

Tgt Ion: 82 Resp: 1624720
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

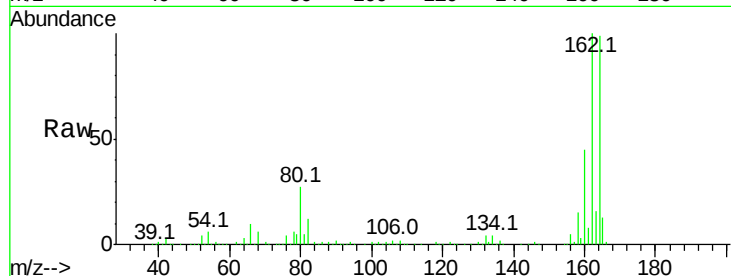
Delta R.T. -0.01 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

Tot Ion:164 Resp: 632268

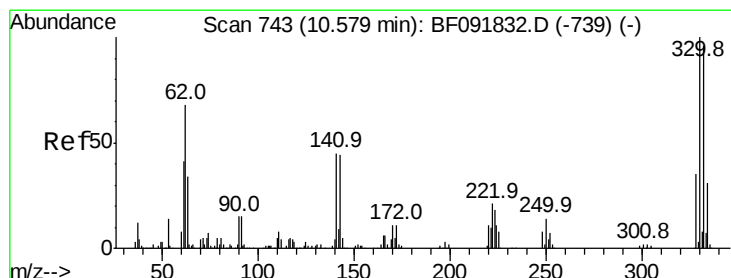
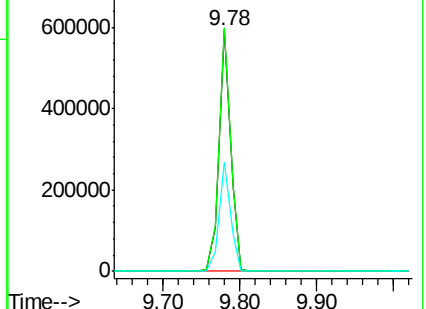
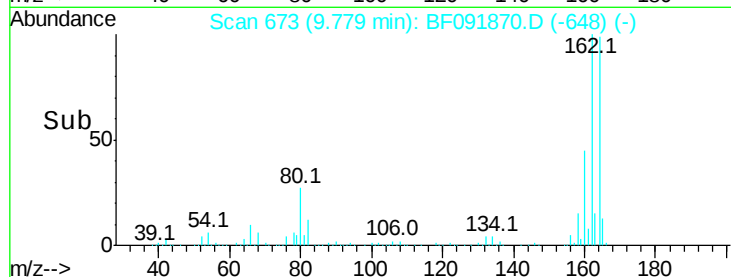
Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.2	120.2
160	45.2	36.9	55.3



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: 142.20 ng

RT: 10.58 min Scan# 743

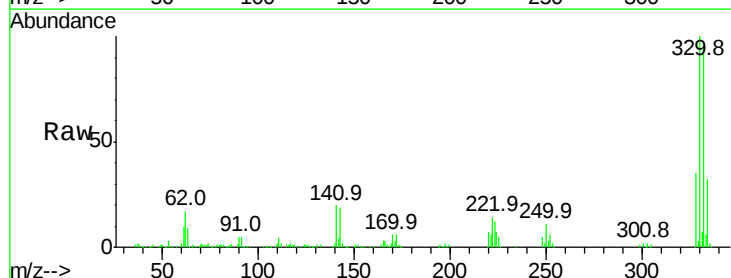
Delta R.T. -0.00 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

Tgt Ion:330 Resp: 744083

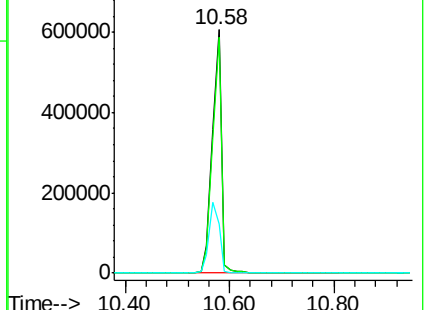
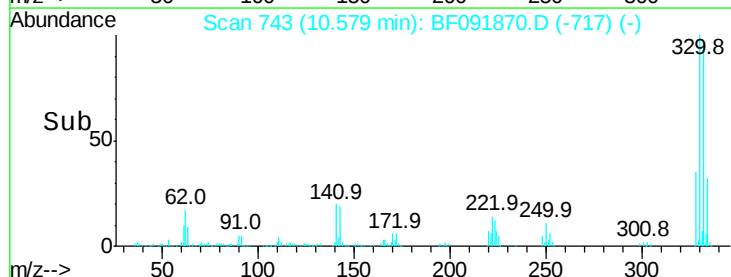
Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.2
141	33.3	34.1	51.1#

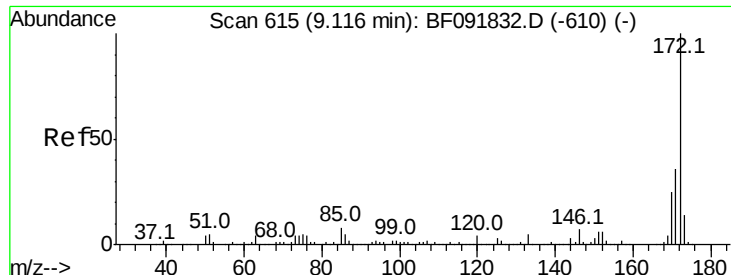


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

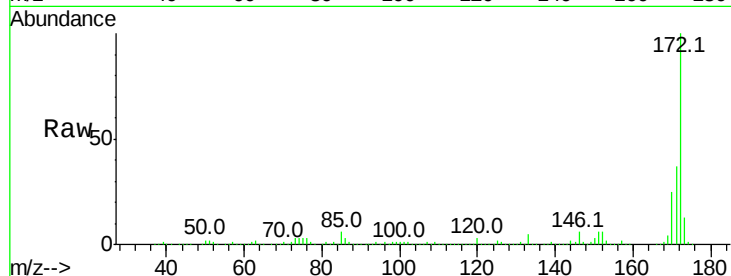




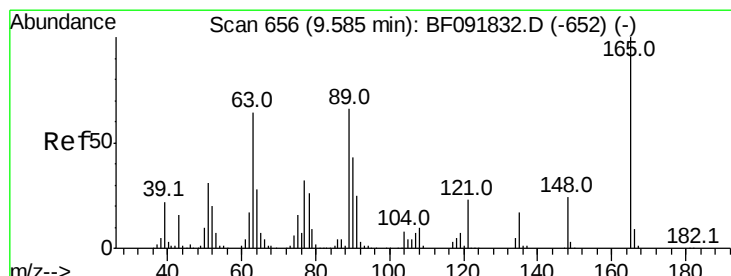
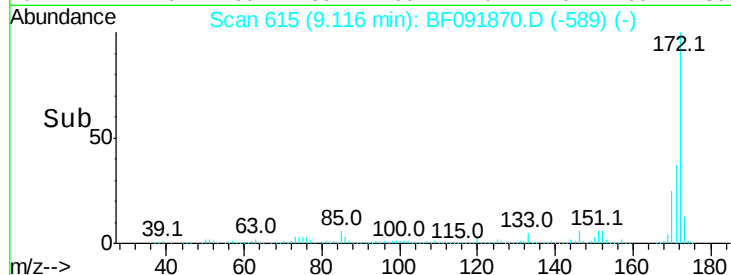
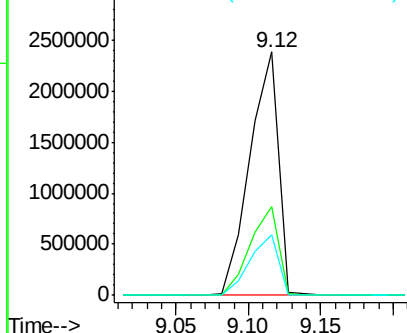
#44
 2-Fluorobiphenyl
 Concen: 109.53 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091870.D
 Acq: 22 Dec 2016 8:01

Tot Ion:172 Resp: 3265050

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	25.1	20.2	30.4



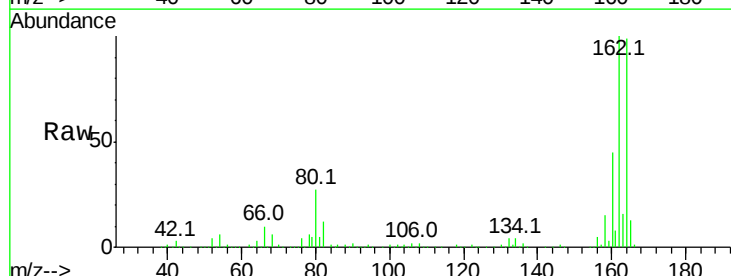
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



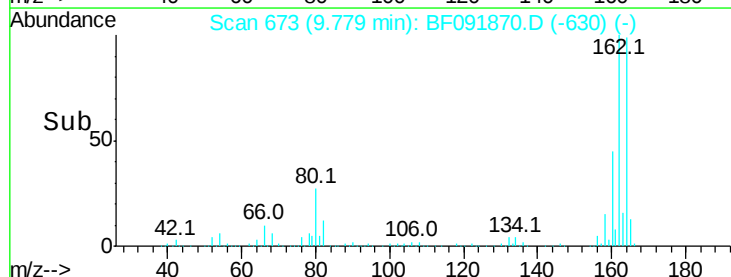
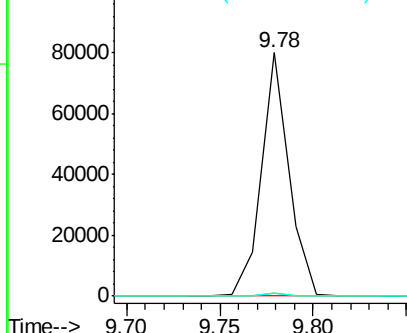
#50
 2,6-Dinitrotoluene
 Concen: 9.20 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091870.D
 Acq: 22 Dec 2016 8:01

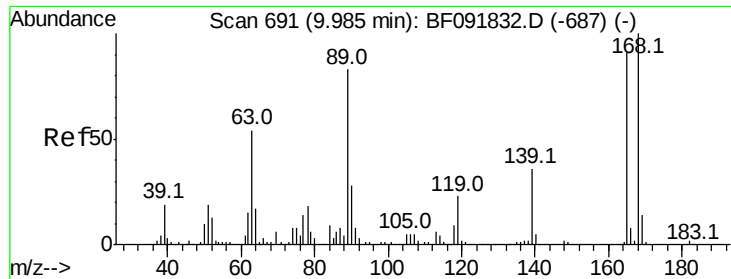
Tgt Ion:165 Resp: 81450

Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.2	54.4#
89	1.0	40.2	60.4#



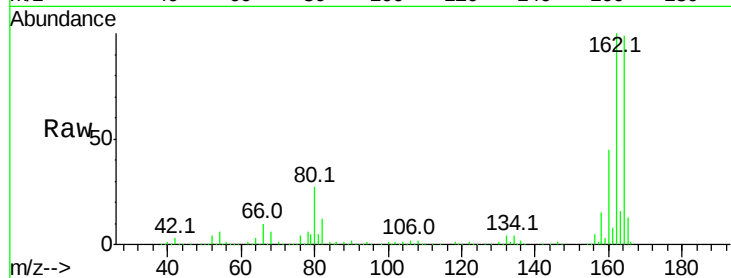
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0





#56
2,4-Dinitrotoluene
Concen: 7.33 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.21 min
Lab File: BF091870.D
Acq: 22 Dec 2016 8:01

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

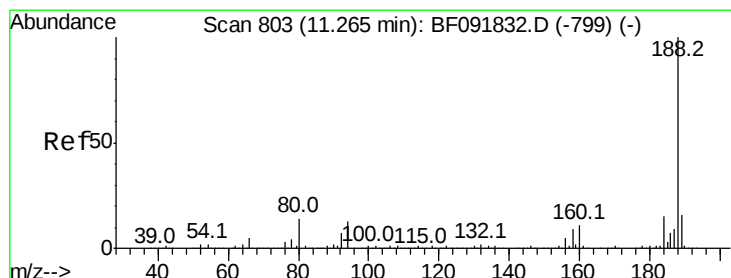
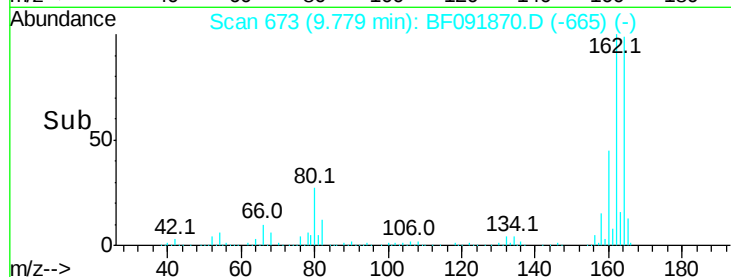
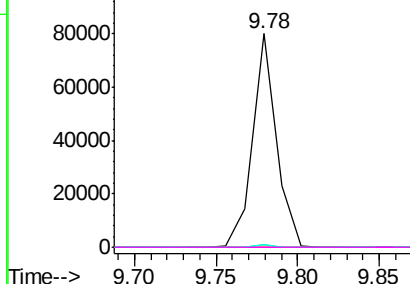


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

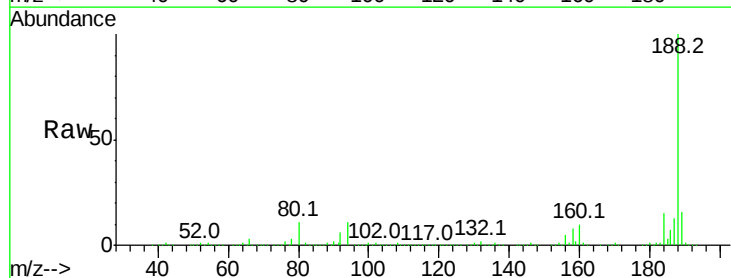
Ion 89.00 (88.70 to 89.70): BF0

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: BF091870.D
Acq: 22 Dec 2016 8:01

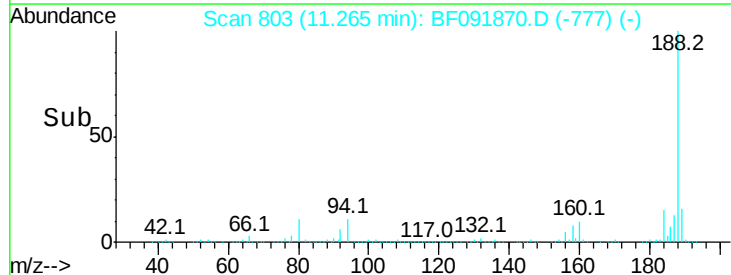
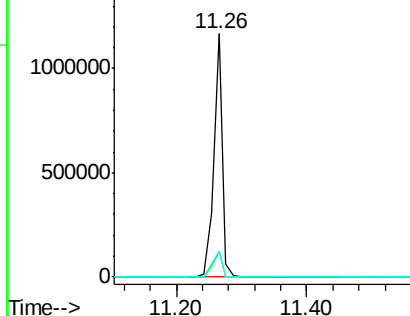
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	10.0	15.0
80	10.7	11.2	16.8#

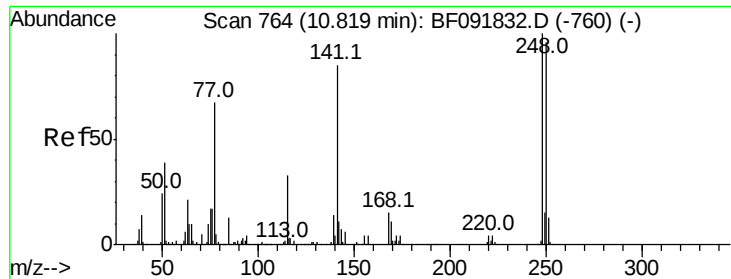


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

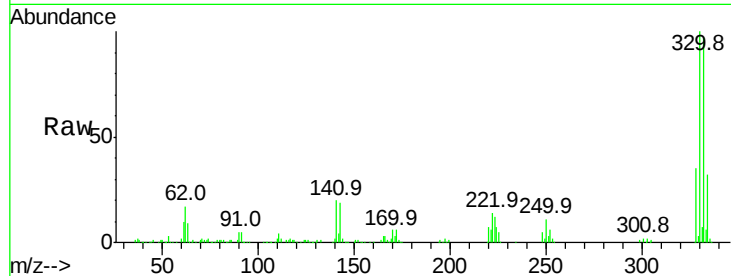
Ion 80.00 (79.70 to 80.70): BF0



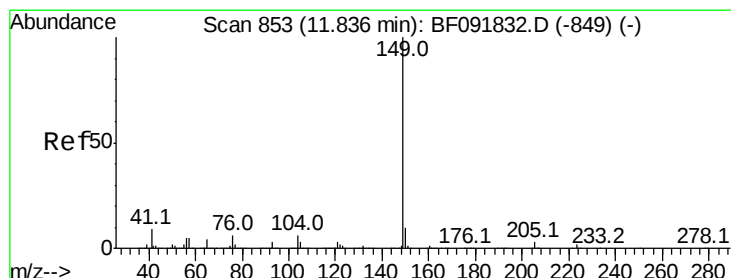
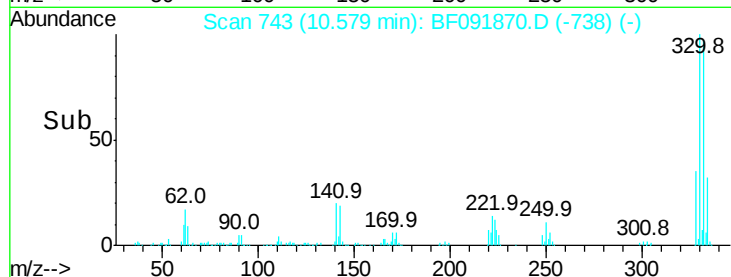
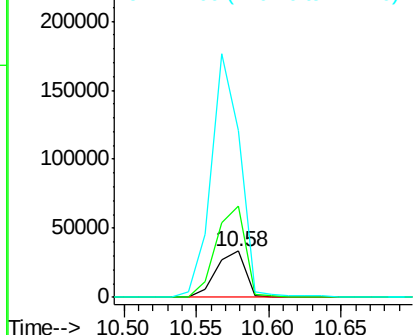


#66
 4-Bromophenyl-phenylether
 Concen: 4.13 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.24 min
 Lab File: BF091870.D
 Acq: 22 Dec 2016 8:01

Tot Ion:248 Resp: 46564
 Ion Ratio Lower Upper
 248 100
 250 200.3 76.9 115.3#
 141 363.4 68.2 102.4#

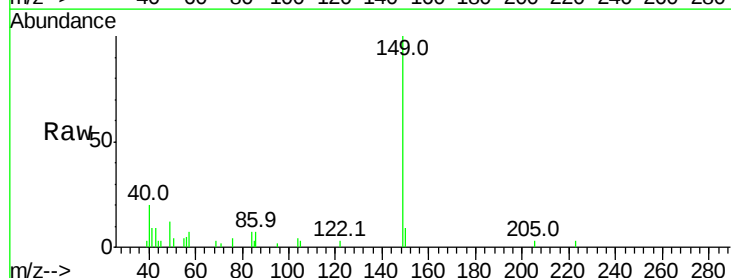


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

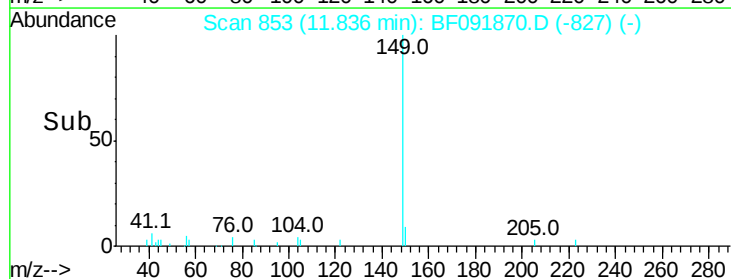
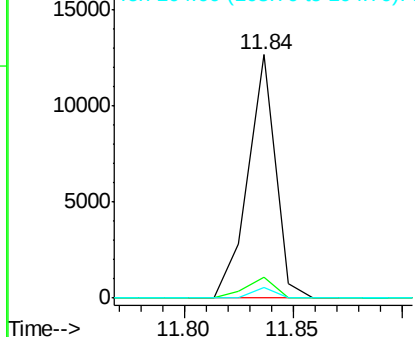


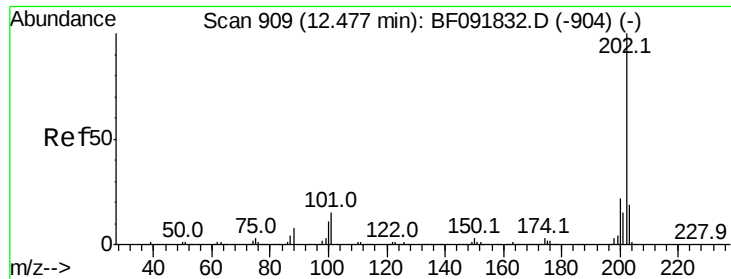
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.84 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: BF091870.D
 Acq: 22 Dec 2016 8:01

Tgt Ion:149 Resp: 11128
 Ion Ratio Lower Upper
 149 100
 150 8.7 8.1 12.1
 104 4.5 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

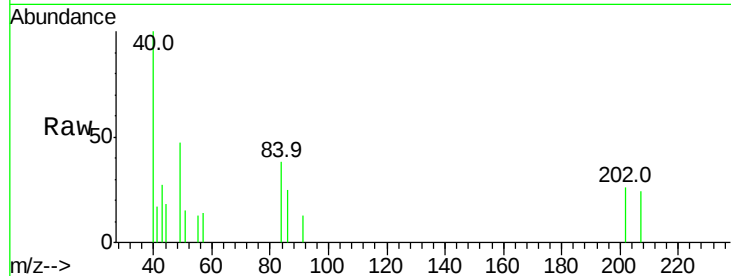
RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

Tot Ion:	202	Resp:	468
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.6
203	0.0	0.0	38.7



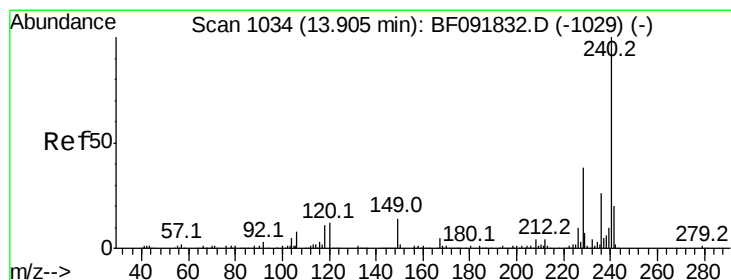
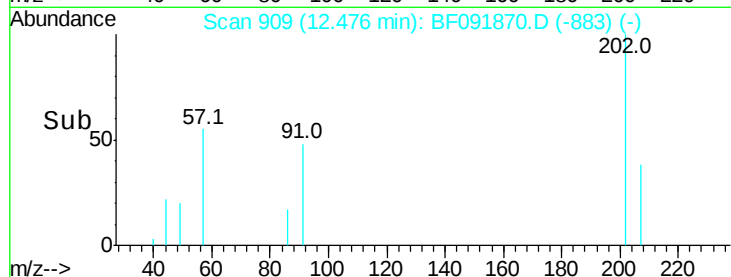
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.48

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

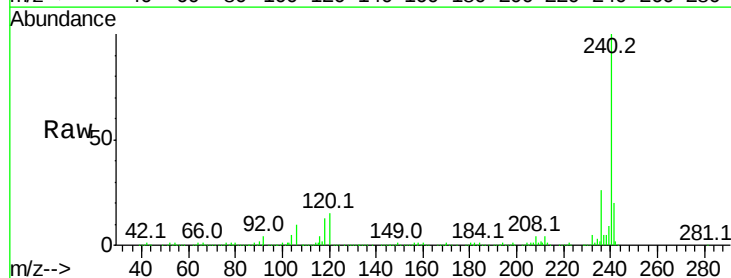
RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

Tgt Ion:	240	Resp:	759805
Ion	Ratio	Lower	Upper
240	100		
120	14.6	12.9	19.3
236	25.7	20.9	31.3



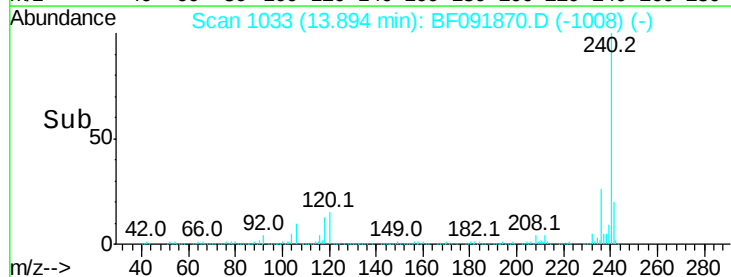
Abundance Ion 240.00 (239.70 to 240.70): E

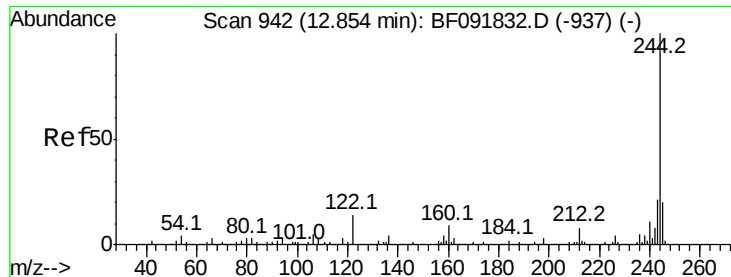
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.89

Time-->





#78

Terphenyl-d14

Concen: 70.53 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091870.D

Acq: 22 Dec 2016 8:01

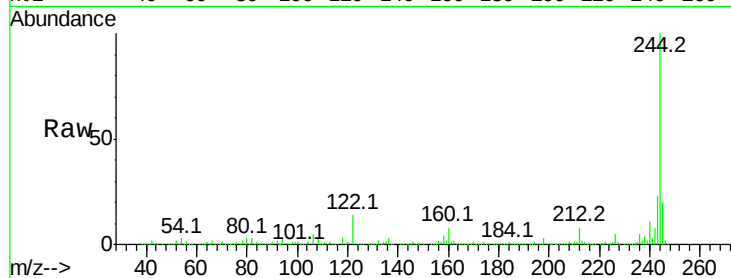
Tot Ion:244 Resp: 2209584

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

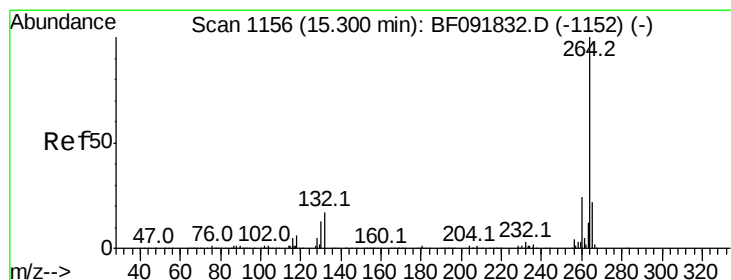
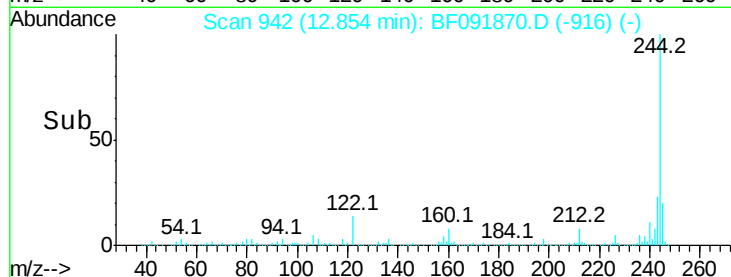
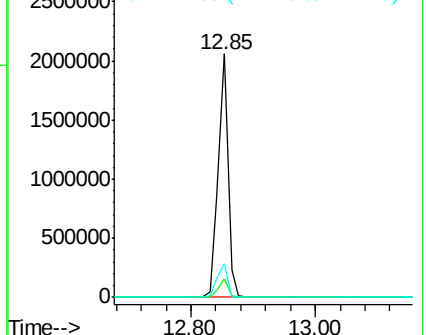
122 13.7 11.4 17.2



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: BF091870.D

Acq: 22 Dec 2016 8:01

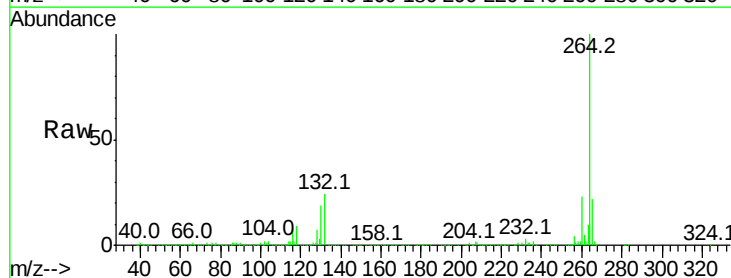
Tgt Ion:264 Resp: 673597

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.6 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

