

Data Path : Z:\HPCHEM1\BNA F\Data\BF122116\
 Data File : BF091872.D
 Acq On : 22 Dec 2016 8:55
 Operator : UM/SJ
 Sample : H6156-18
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

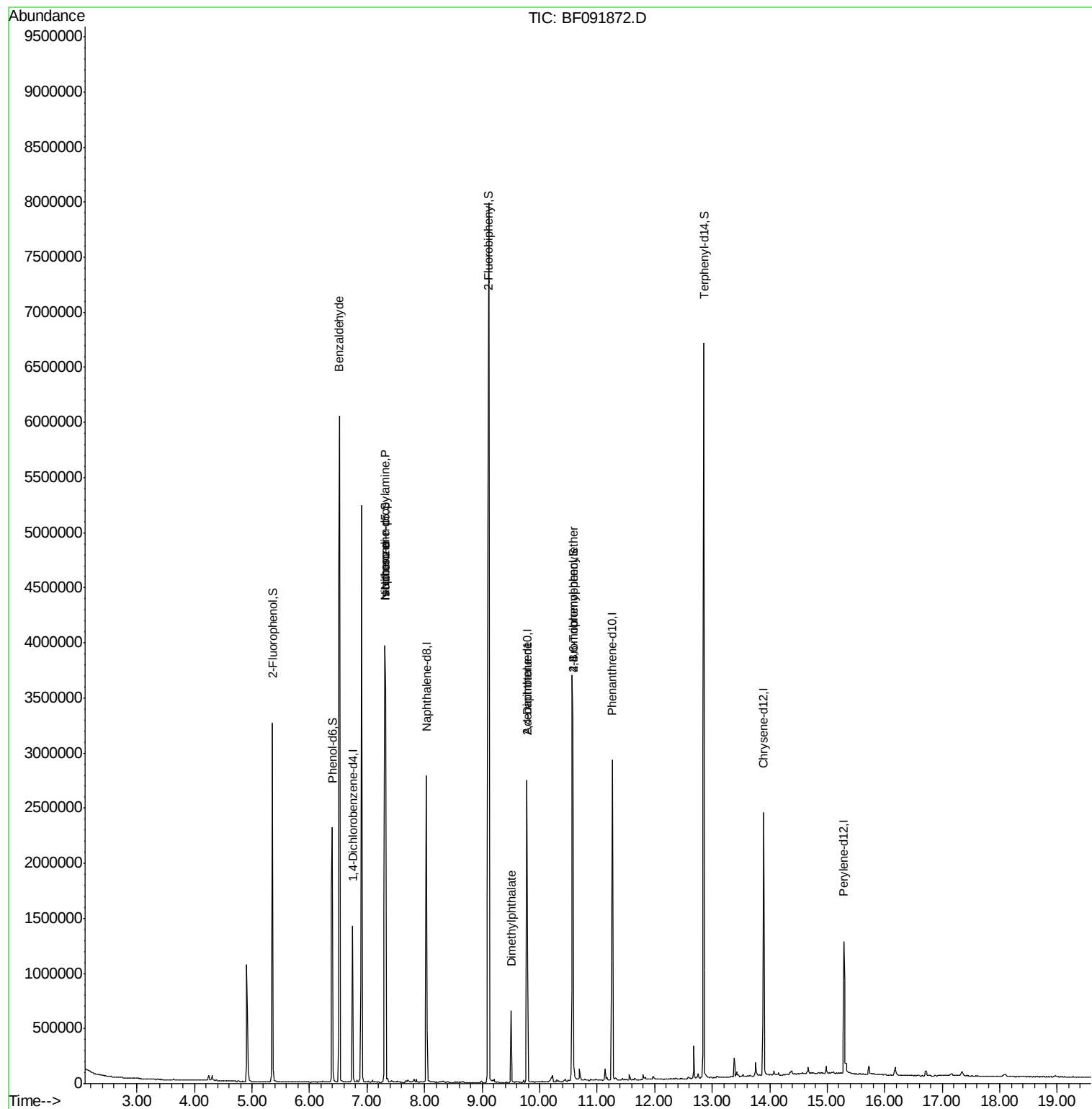
Quant Time: Dec 22 16:11:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	336352	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1344240	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	685504	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1155878	20.00	ng	0.00
75) Chrysene-d12	13.89	240	806170	20.00	ng	-0.01
86) Perylene-d12	15.29	264	624815	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1230859	61.10	ng	0.01
7) Phenol-d6	6.40	99	1109834	45.13	ng	-0.01
23) Nitrobenzene-d5	7.31	82	2289984	94.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	741353	130.68	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3480485	107.43	ng	0.00
78) Terphenyl-d14	12.85	244	2423967	72.92	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	49738	2.48	ng	# 76
19) n-Nitroso-di-n-propylamine	7.31	70	298046	18.22	ng	# 76
25) Isophorone	7.31	82	1876033	42.06	ng	# 65
37) 2-Methylnaphthalene	8.75	142	504	Below Cal	#	72
49) Dimethylphthalate	9.50	163	260550	5.94	ng	99
56) 2,4-Dinitrotoluene	9.78	165	89040	7.39	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	46744	3.89	ng	# 1
71) Anthracene	11.33	178	1465	Below Cal	#	68
73) Di-n-butylphthalate	11.84	149	7896	Below Cal	#	96
74) Fluoranthene	12.48	202	828	Below Cal		61

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

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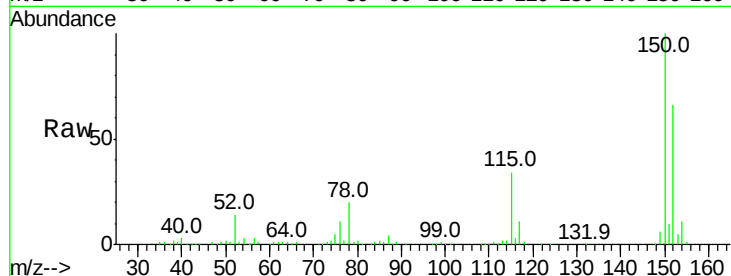




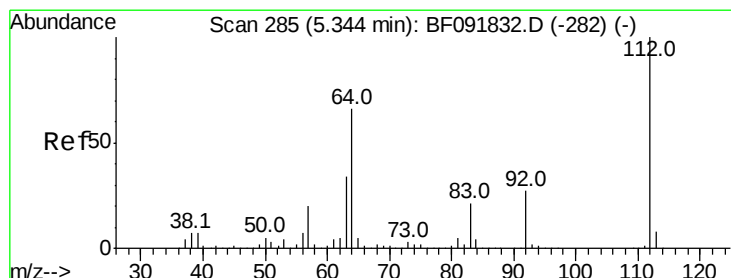
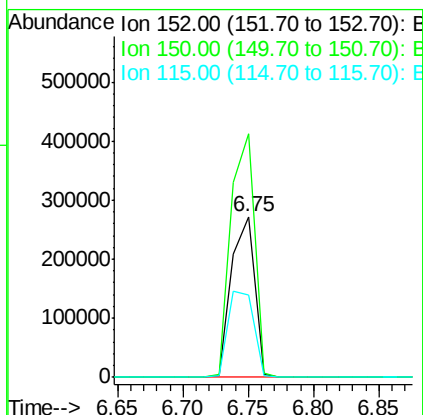
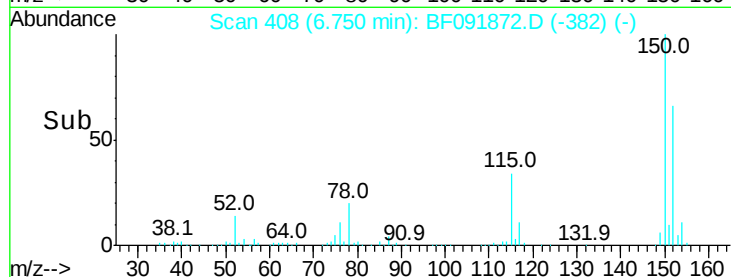
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF091872.D
Acq: 22 Dec 2016 8:55

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.9	187.3
115	51.7	46.0	69.0



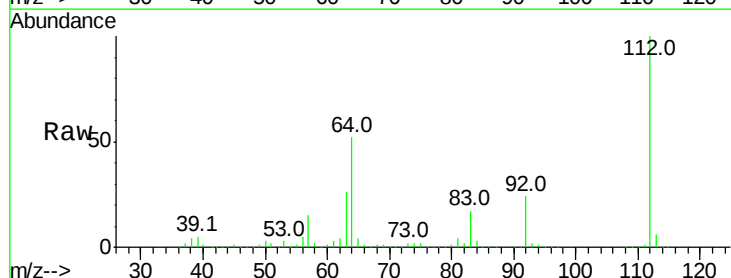
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



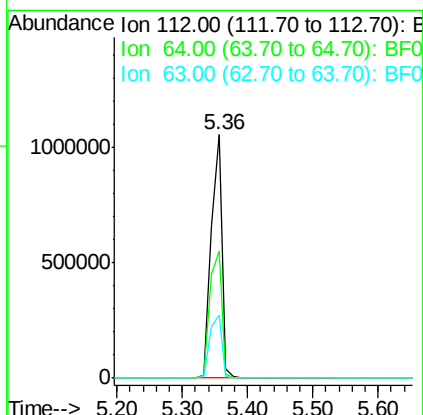
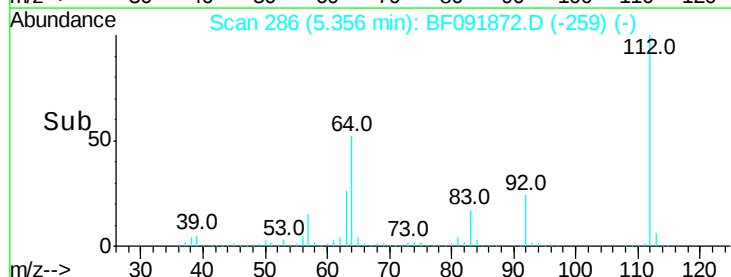
#5

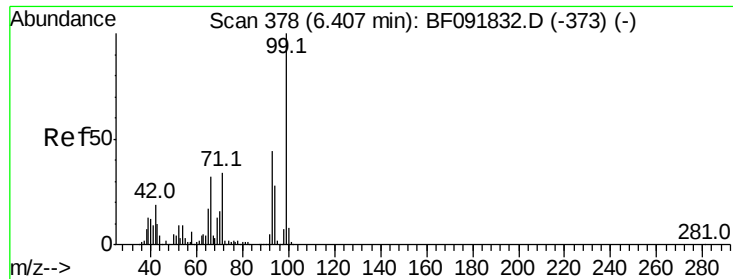
2-Fluorophenol
Concen: 61.10 ng
RT: 5.36 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF091872.D
Acq: 22 Dec 2016 8:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.1	69.1
63	26.0	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: 45.13 ng

RT: 6.40 min Scan# 377

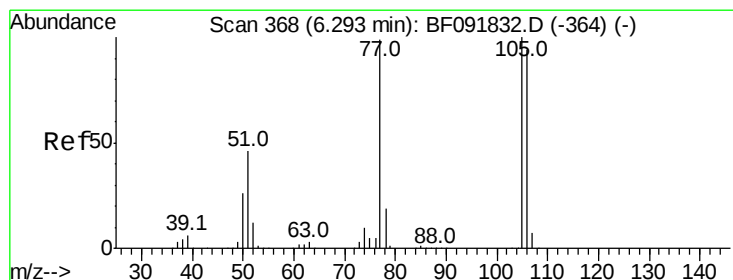
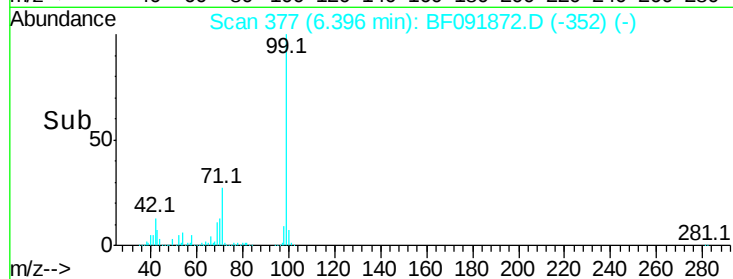
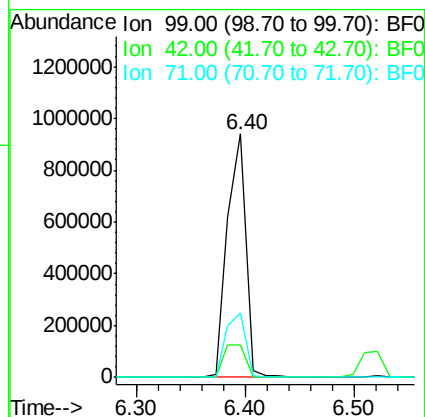
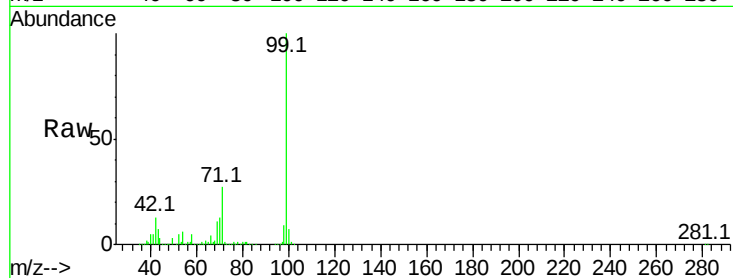
Delta R.T. -0.01 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

Tot Ion: 99 Resp: 1109834

Ion	Ratio	Lower	Upper
99	100		
42	13.2	15.6	23.4#
71	26.5	27.5	41.3#



#9

Benzaldehyde

Concen: 2.48 ng

RT: 6.52 min Scan# 388

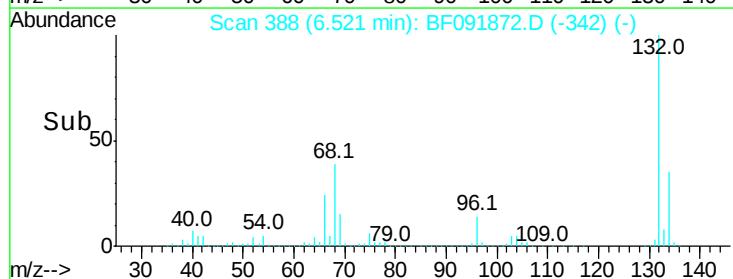
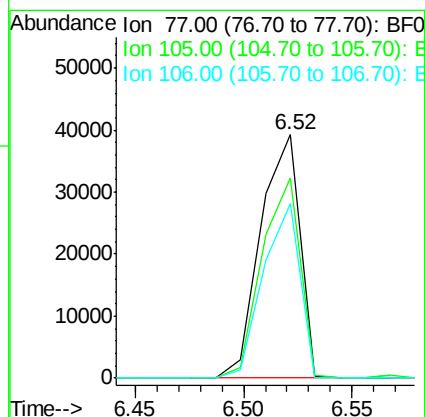
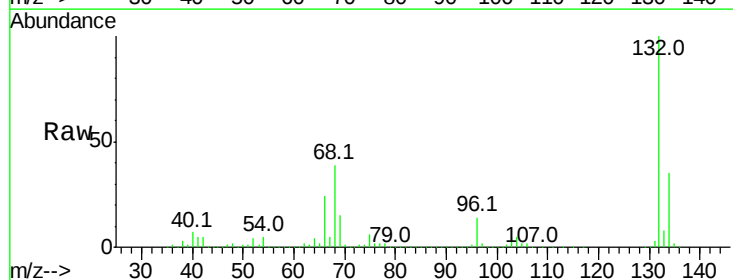
Delta R.T. 0.23 min

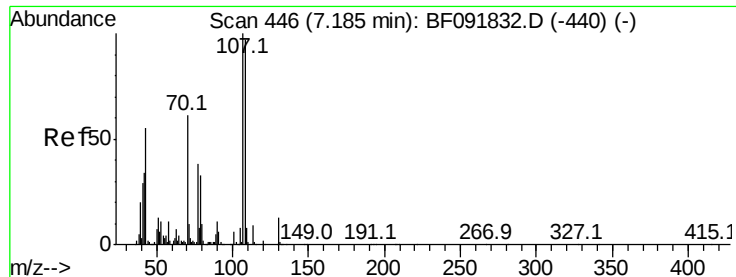
Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

Tgt Ion: 77 Resp: 49738

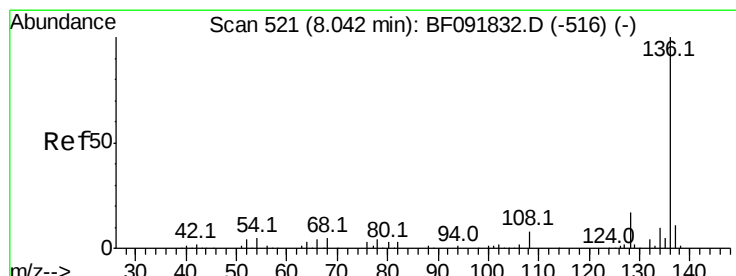
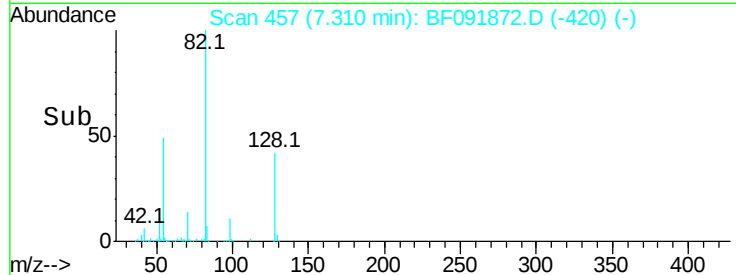
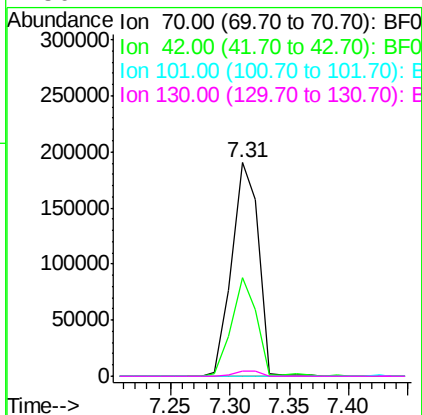
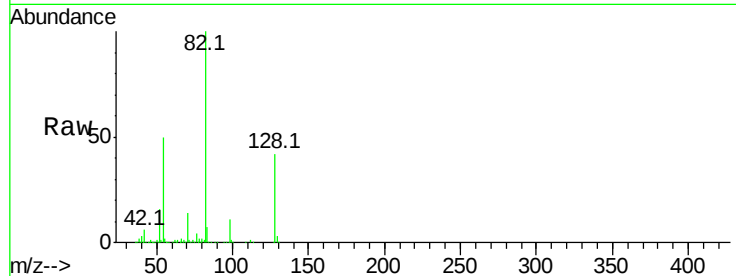
Ion	Ratio	Lower	Upper
77	100		
105	82.2	83.9	123.9#
106	71.8	77.6	117.6#





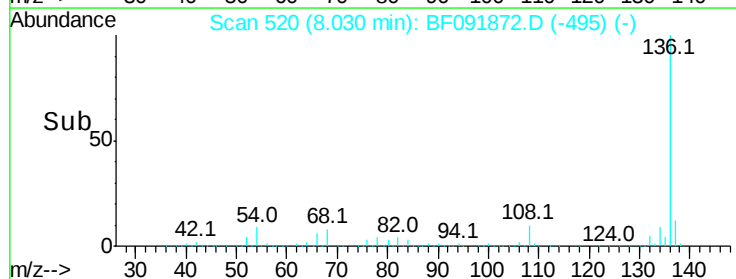
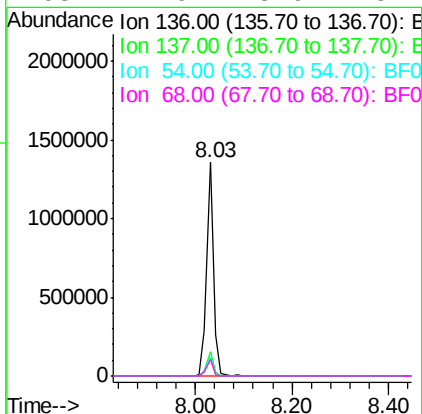
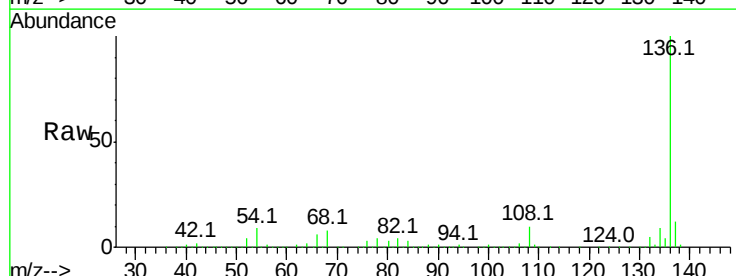
#19
n-Nitroso-di-n-propylamine
Concen: 18.22 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091872.D
Acq: 22 Dec 2016 8:55

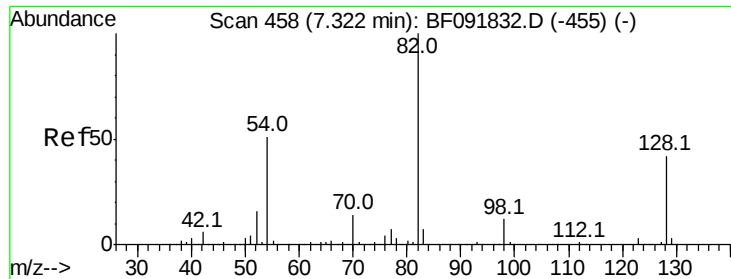
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.1	49.4	74.0#
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091872.D
Acq: 22 Dec 2016 8:55

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	8.8	4.5	6.7#
68	7.6	3.6	5.4#

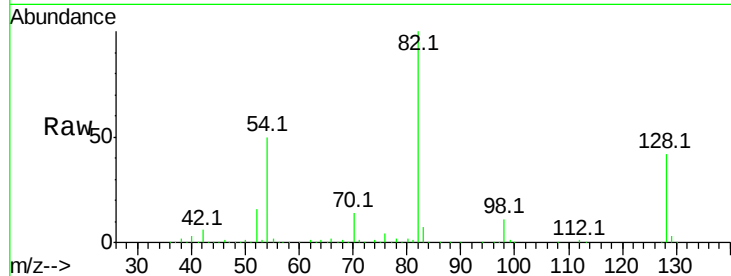




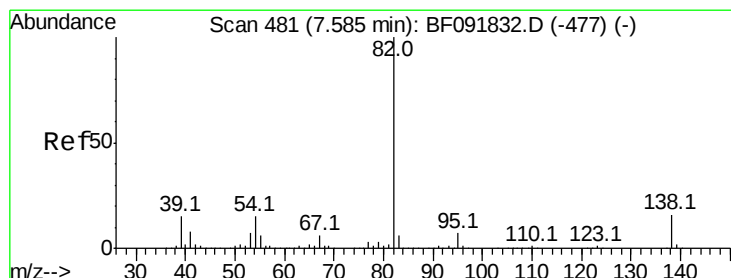
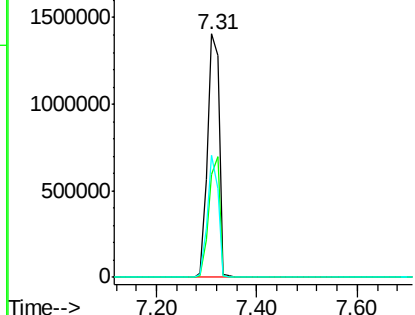
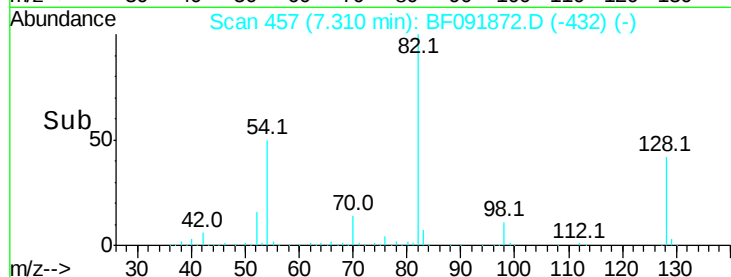
#23
 Nitrobenzene-d5
 Concen: 94.73 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091872.D
 Acq: 22 Dec 2016 8:55

Tot Ion: 82 Resp: 2289984

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.6	52.0
54	50.2	39.5	59.3



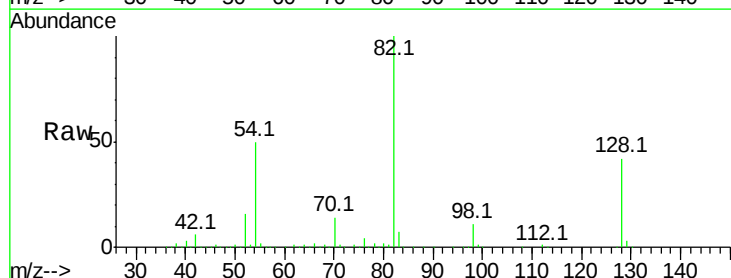
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0



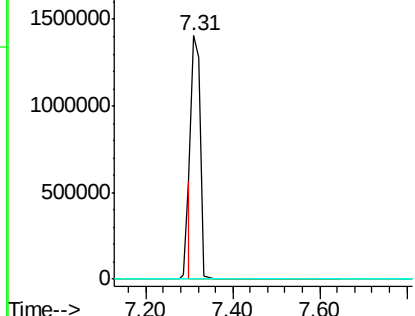
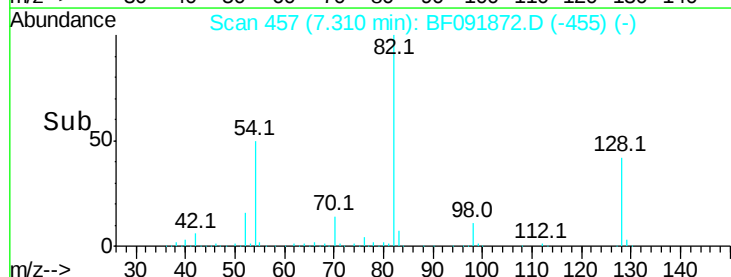
#25
 Isophorone
 Concen: 42.06 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.27 min
 Lab File: BF091872.D
 Acq: 22 Dec 2016 8:55

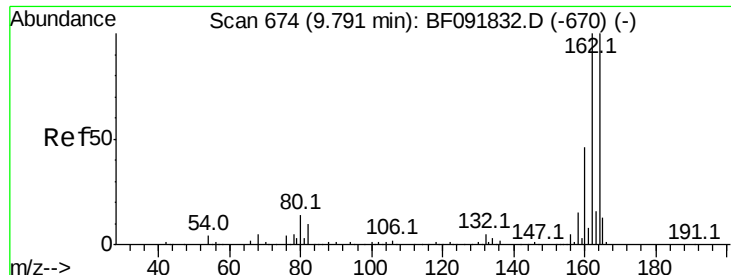
Tgt Ion: 82 Resp: 1876033

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: BF091872.D

Acq: 22 Dec 2016 8:55

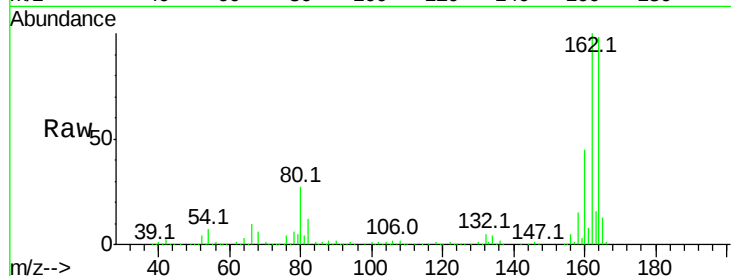
Tot Ion:164 Resp: 685504

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

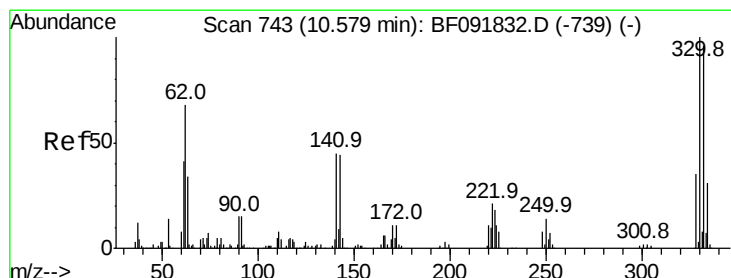
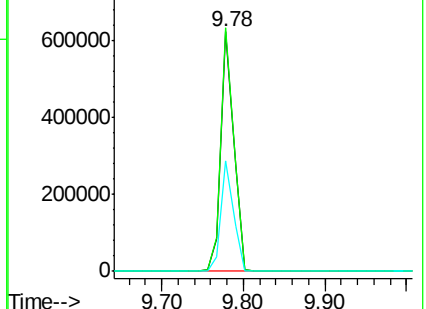
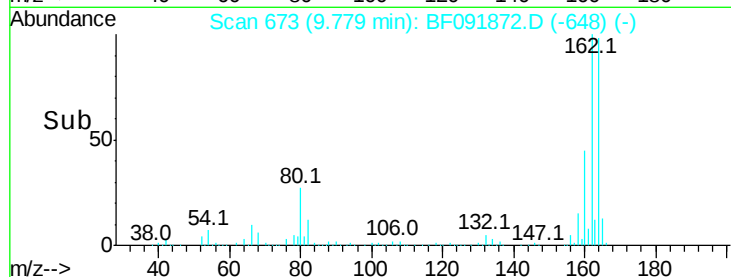
160 45.9 36.9 55.3



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: 130.68 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

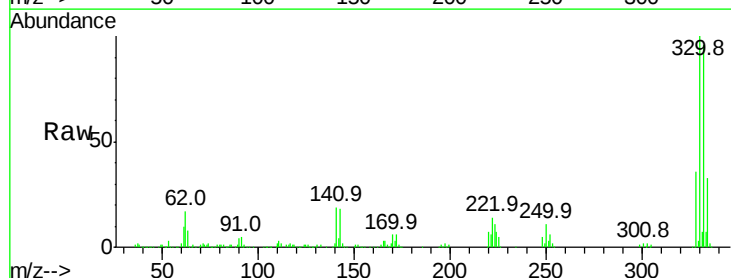
Tgt Ion:330 Resp: 741353

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

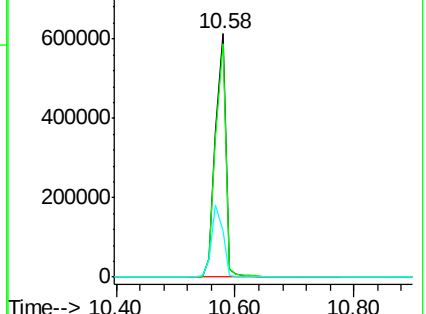
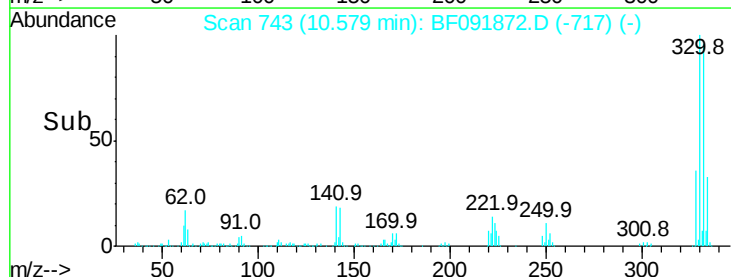
141 33.4 34.1 51.1#

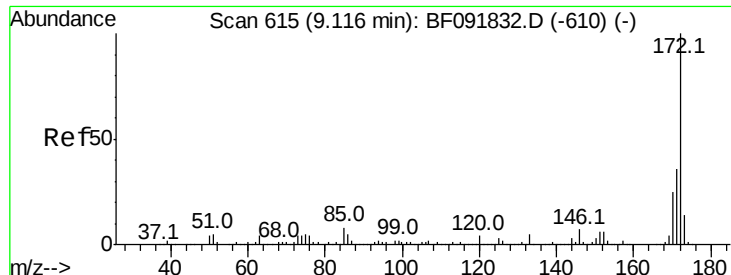


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

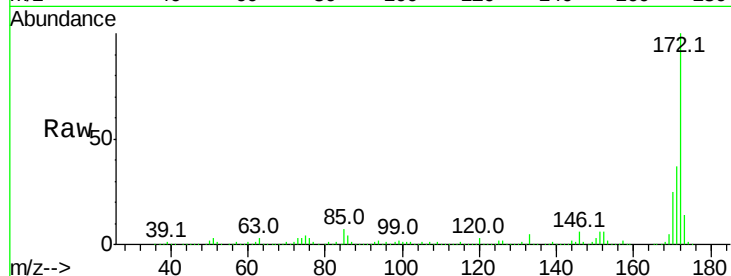




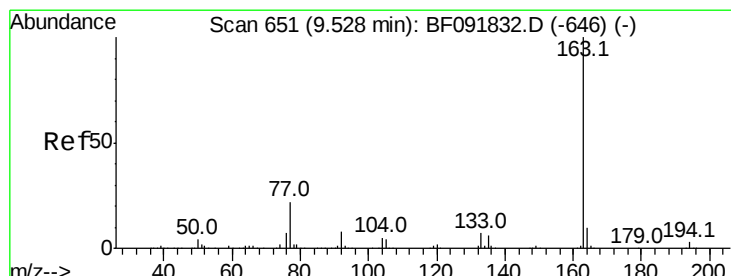
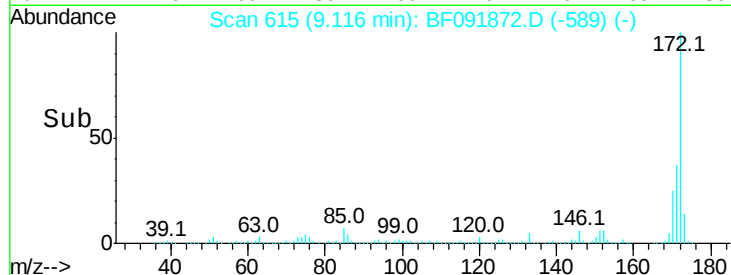
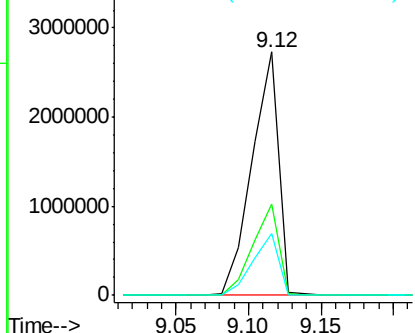
#44
2-Fluorobiphenyl
Concen: 107.43 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF091872.D
Acq: 22 Dec 2016 8:55

Tot Ion:172 Resp: 3480485

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.4	44.0
170	25.3	20.2	30.4



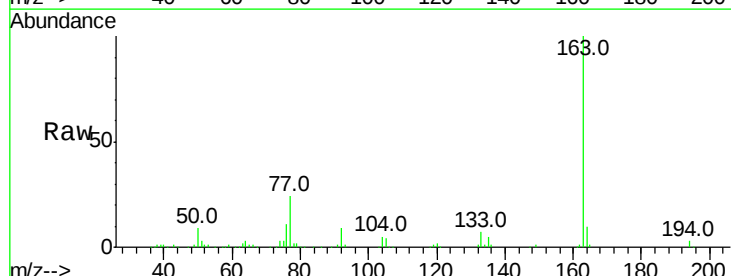
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



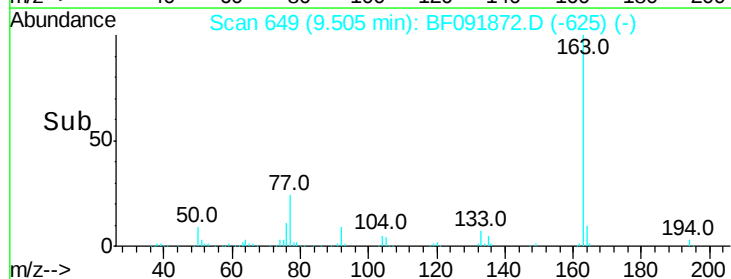
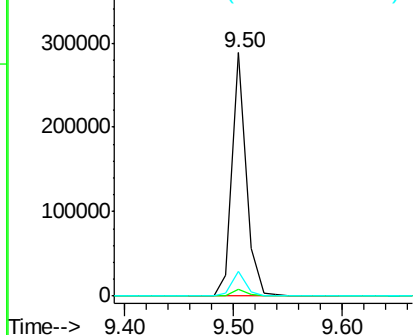
#49
Dimethylphthalate
Concen: 5.94 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF091872.D
Acq: 22 Dec 2016 8:55

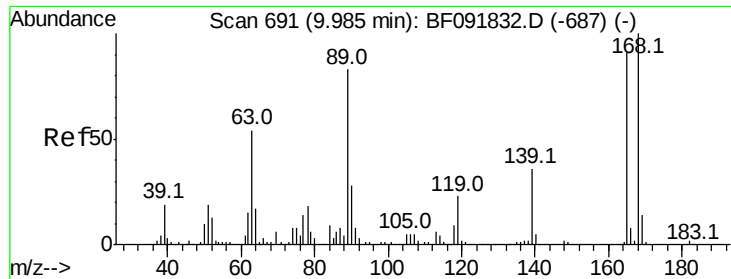
Tgt Ion:163 Resp: 260550

Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	10.3	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





#56

2,4-Dinitrotoluene

Concen: 7.39 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

Tot Ion:165 Resp: 89040

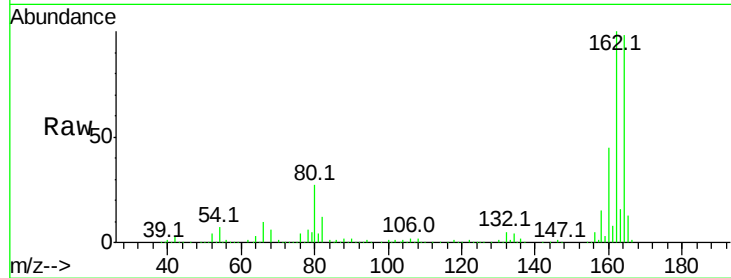
Ion Ratio Lower Upper

165 100

63 0.7 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

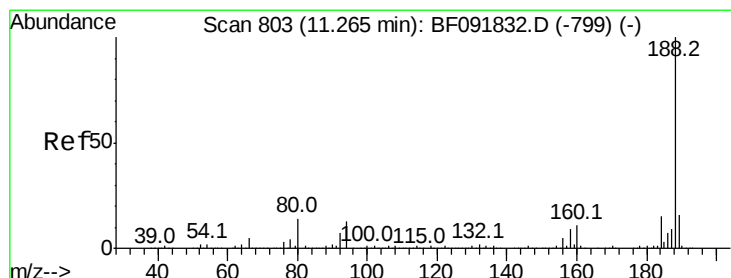
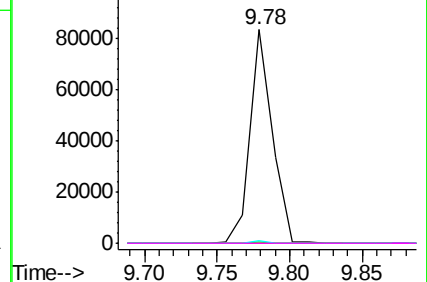
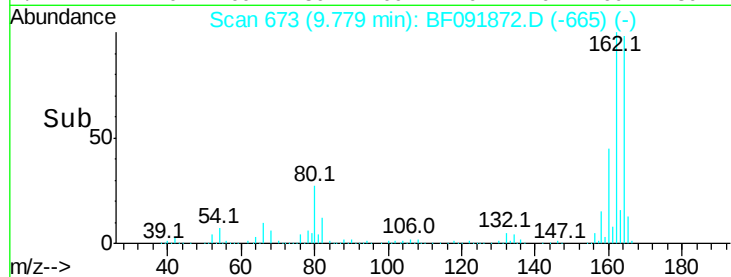


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF091872.D

Acq: 22 Dec 2016 8:55

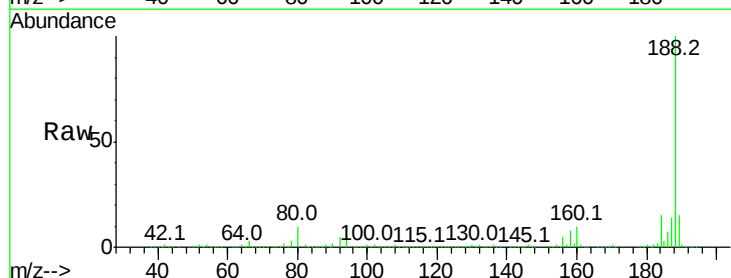
Tgt Ion:188 Resp: 1155878

Ion Ratio Lower Upper

188 100

94 9.6 10.0 15.0#

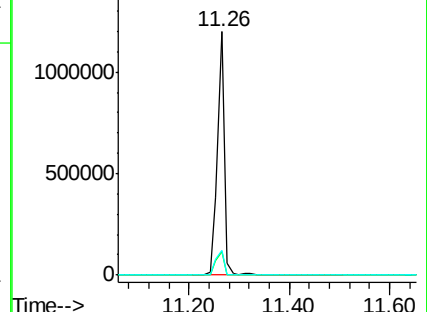
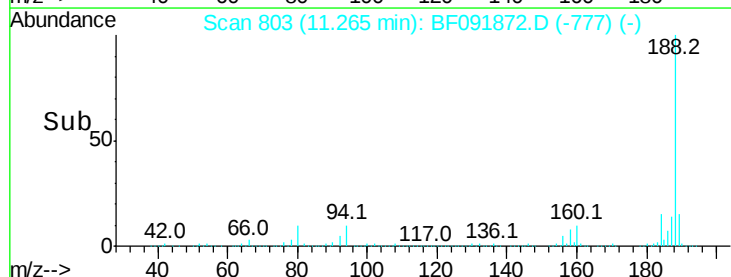
80 10.1 11.2 16.8#

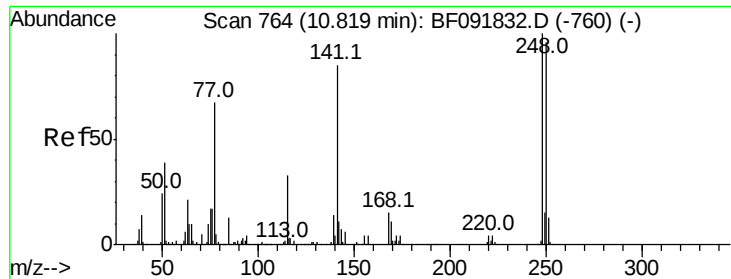


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.89 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.24 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

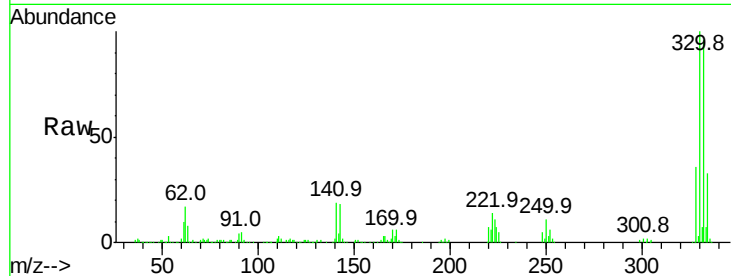
Tot Ion:248 Resp: 46744

Ion Ratio Lower Upper

248 100

250 202.8 76.9 115.3#

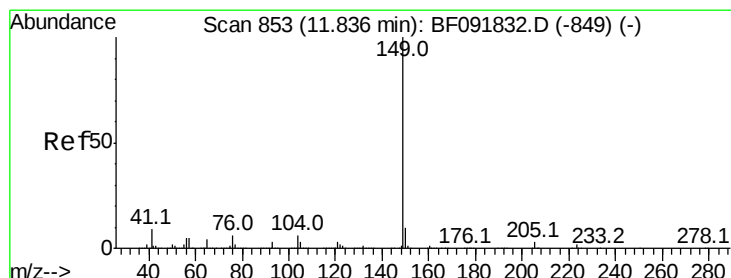
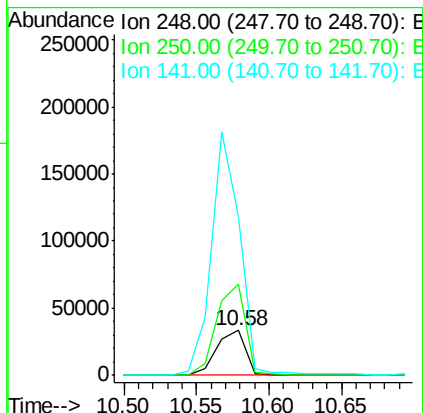
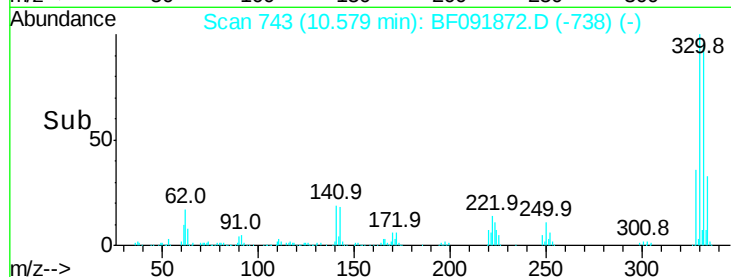
141 352.1 68.2 102.4#



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: BF091872.D

Acq: 22 Dec 2016 8:55

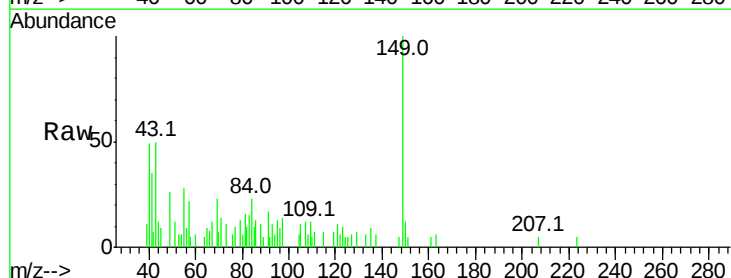
Tgt Ion:149 Resp: 7896

Ion Ratio Lower Upper

149 100

150 12.3 8.1 12.1#

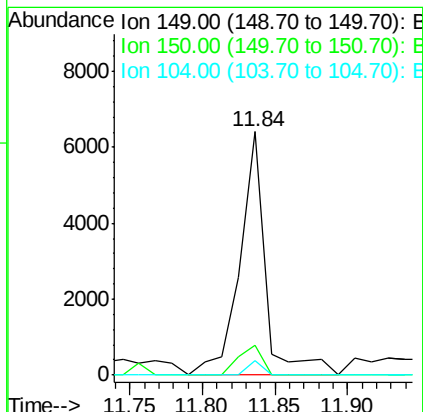
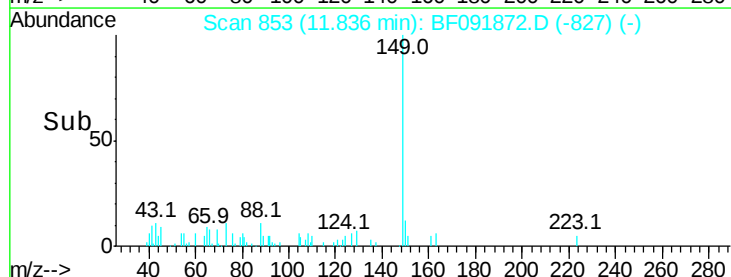
104 6.2 4.6 7.0

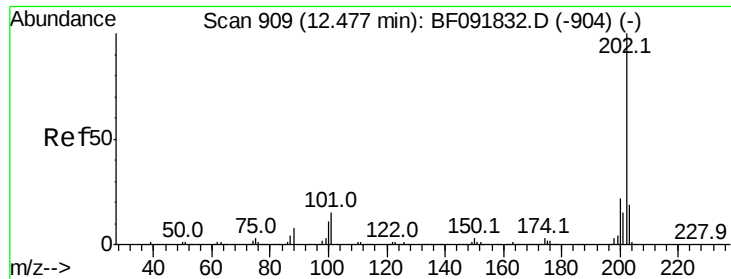


Abundance Ion 149.00 (148.70 to 149.70): E

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: BF091872.D

Acq: 22 Dec 2016 8:55

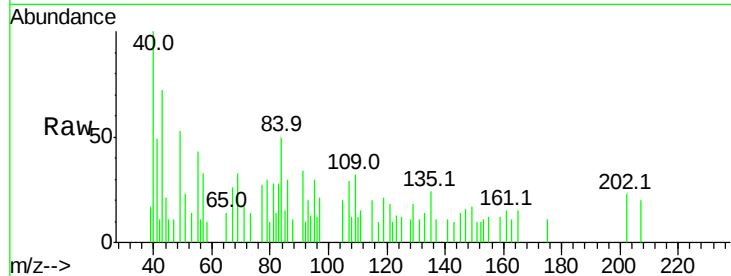
Tot Ion:202 Resp: 828

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

800

600

400

200

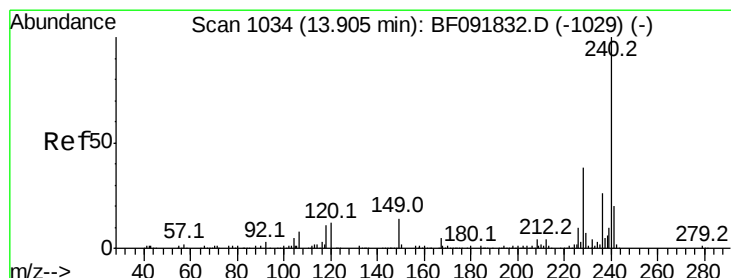
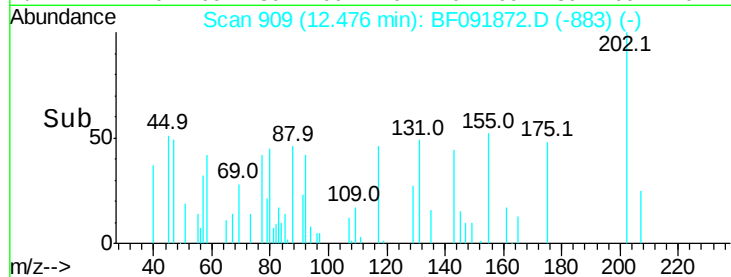
0

12.45

12.48

12.50

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

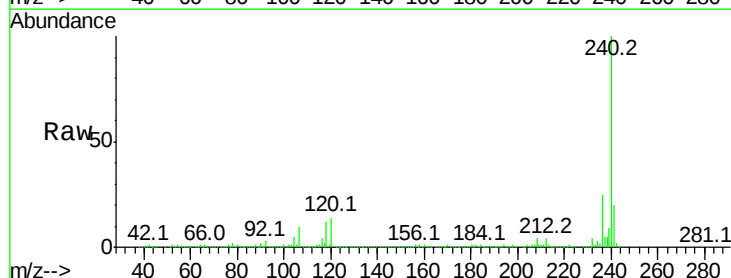
Tgt Ion:240 Resp: 806170

Ion Ratio Lower Upper

240 100

120 13.6 12.9 19.3

236 25.4 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

1200000

1000000

800000

600000

400000

200000

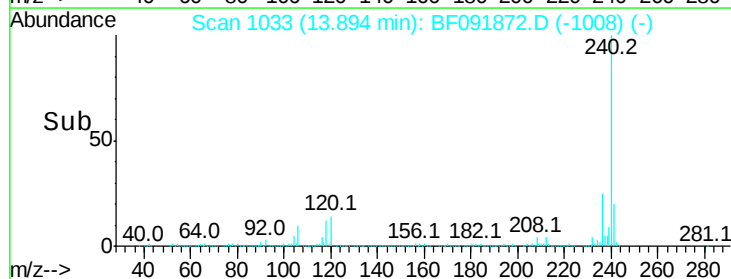
0

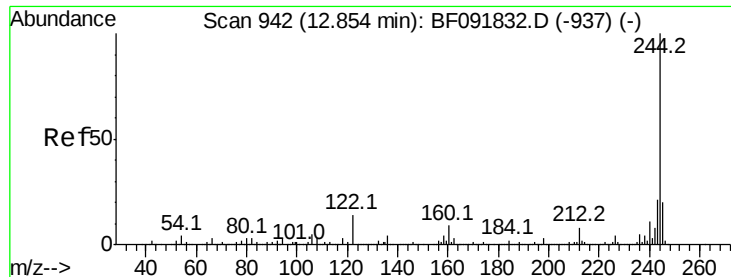
13.80

13.89

14.00

Time-->





#78

Terphenyl-d14

Concen: 72.92 ng

RT: 12.85 min Scan# 942

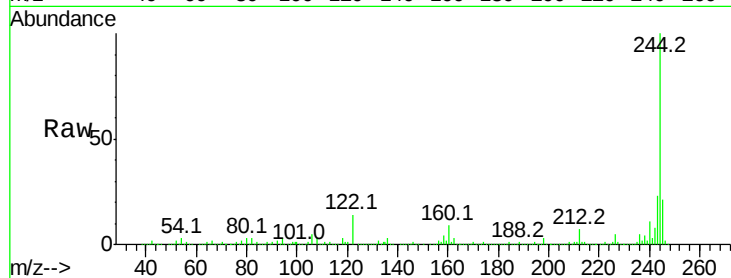
Delta R.T. -0.00 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

Tot Ion:244 Resp: 2423967

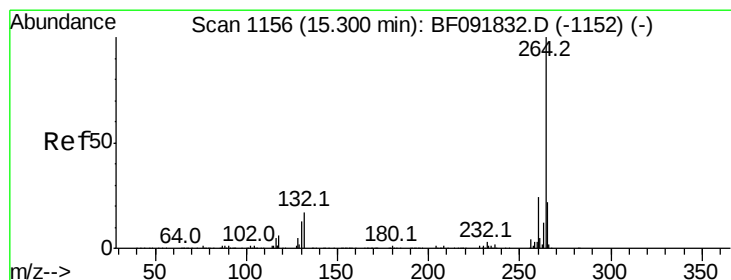
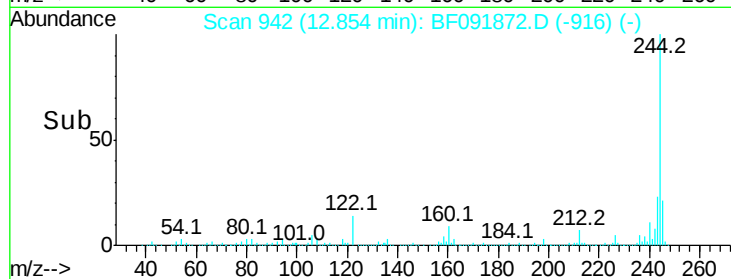
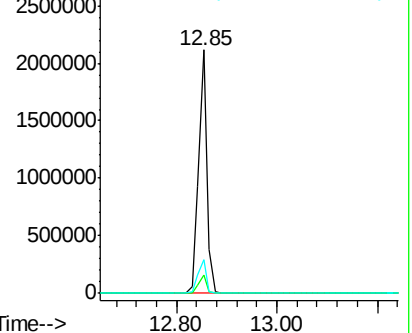
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.8	11.4	17.2



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

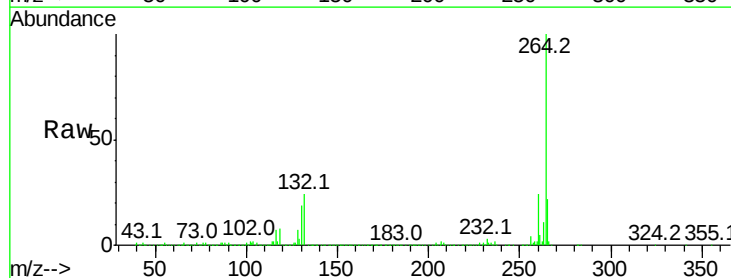
Delta R.T. -0.01 min

Lab File: BF091872.D

Acq: 22 Dec 2016 8:55

Tgt Ion:264 Resp: 624815

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.1	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

