

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122116\
 Data File : BF091866.D
 Acq On : 22 Dec 2016 6:12
 Operator : UM/SJ
 Sample : H6156-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

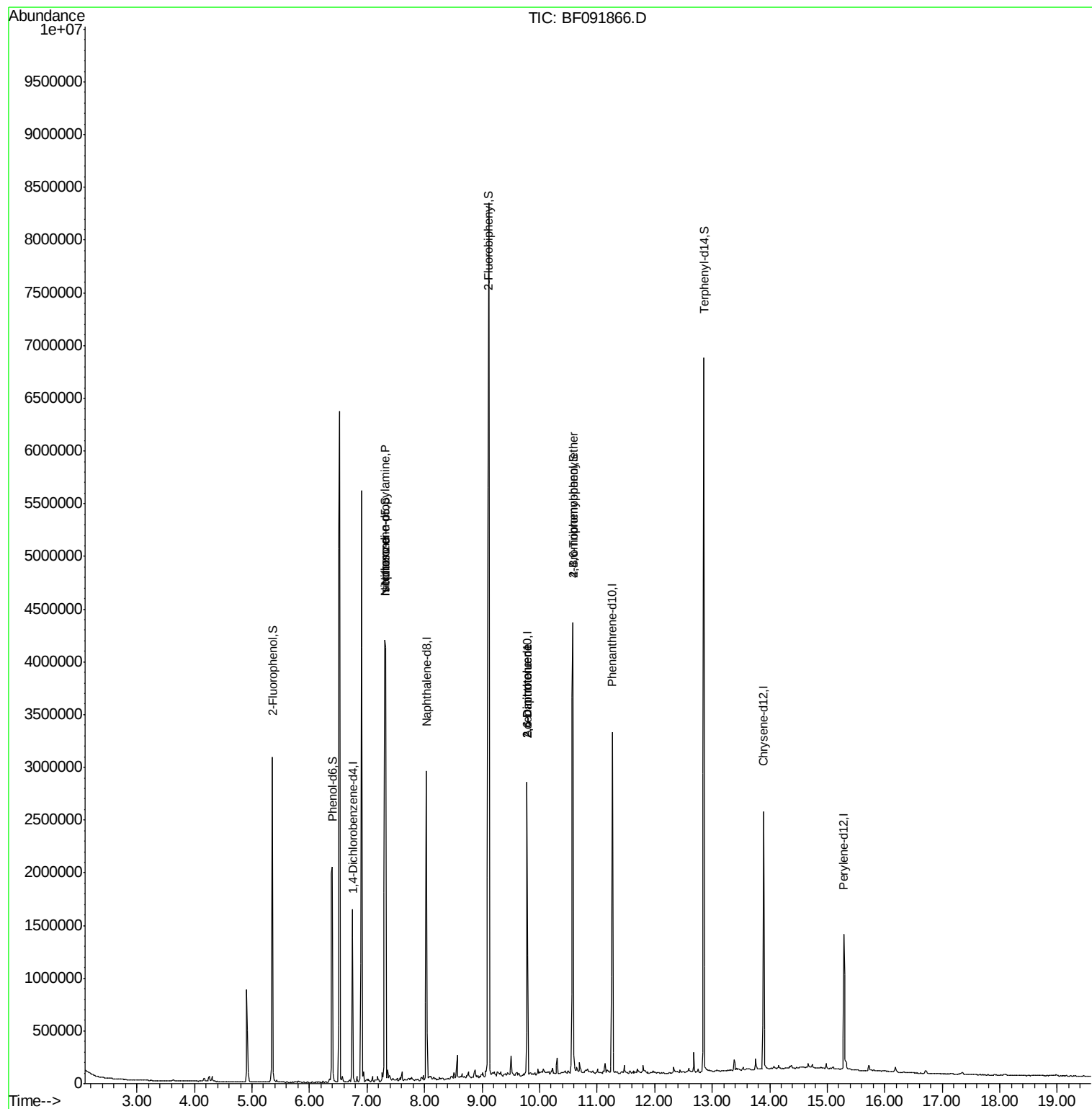
Quant Time: Dec 22 06:39:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	353394	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1423071	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	706470	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1182026	20.00	ng	0.00
75) Chrysene-d12	13.89	240	824249	20.00	ng	-0.01
86) Perylene-d12	15.29	264	658048	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1329866	62.83	ng	0.01
7) Phenol-d6	6.40	99	1086360	42.04	ng	-0.01
23) Nitrobenzene-d5	7.31	82	2526826	98.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	788053	134.79	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3623231	108.68	ng	0.00
78) Terphenyl-d14	12.85	244	2417106	71.12	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	2239	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.31	70	337685	19.64	ng	# 76
25) Isophorone	7.31	82	2039635	43.20	ng	# 65
37) 2-Methylnaphthalene	8.74	142	1044	Below Cal	#	61
50) 2,6-Dinitrotoluene	9.78	165	94111	9.52	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	95185	7.67	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	52558	4.27	ng	# 1
71) Anthracene	11.33	178	2513	Below Cal	#	14
73) Di-n-butylphthalate	11.84	149	6735	Below Cal	#	90
74) Fluoranthene	12.45	202	825	Below Cal	#	1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

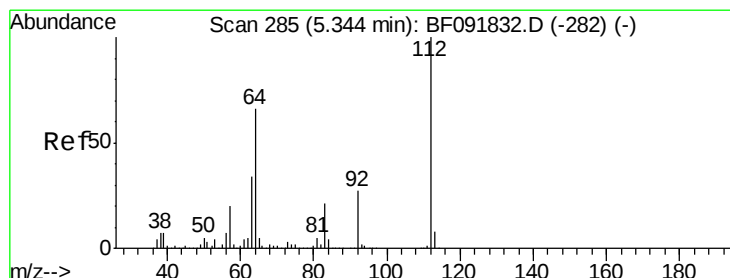
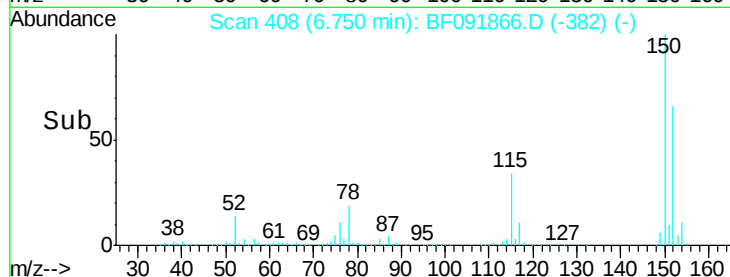
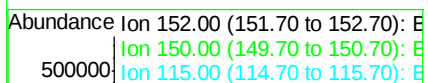
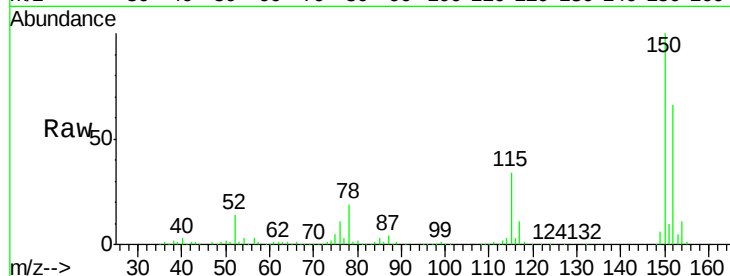
Tgt Ion:152 Resp: 353394

Ion Ratio Lower Upper

152 100

150 151.4 124.9 187.3

115 52.2 46.0 69.0



#5

2-Fluorophenol

Concen: 62.83 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

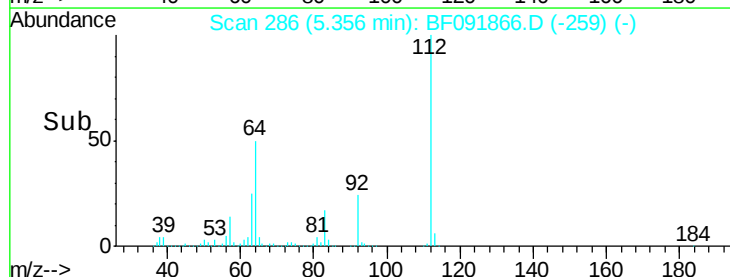
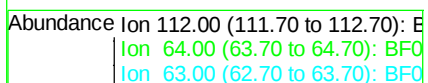
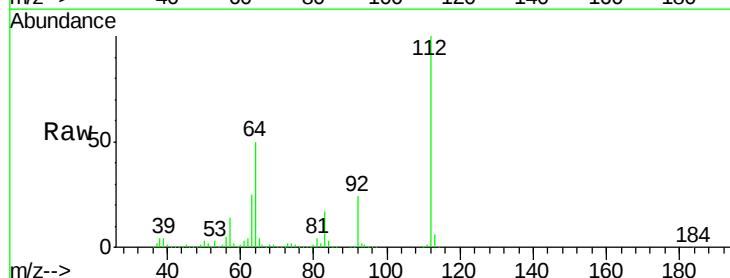
Tgt Ion:112 Resp: 1329866

Ion Ratio Lower Upper

112 100

64 49.9 46.1 69.1

63 25.1 23.8 35.6





#7

Phenol-d6

Concen: 42.04 ng

RT: 6.40 min Scan# 377

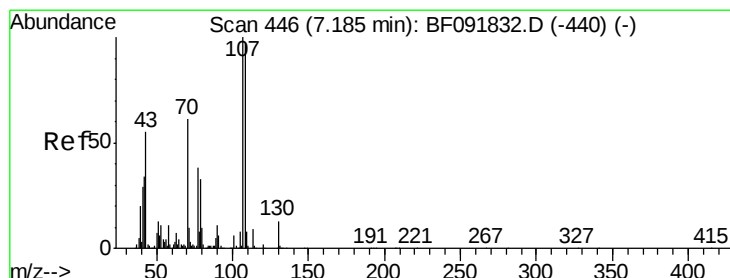
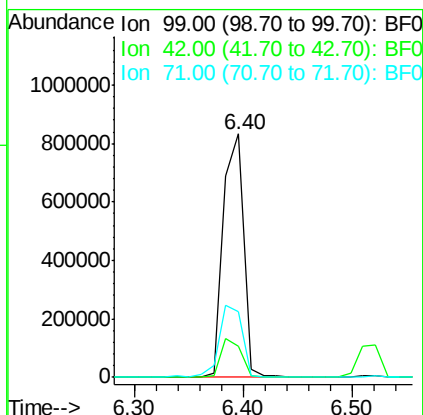
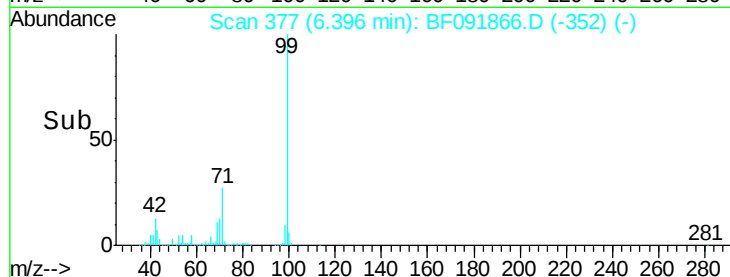
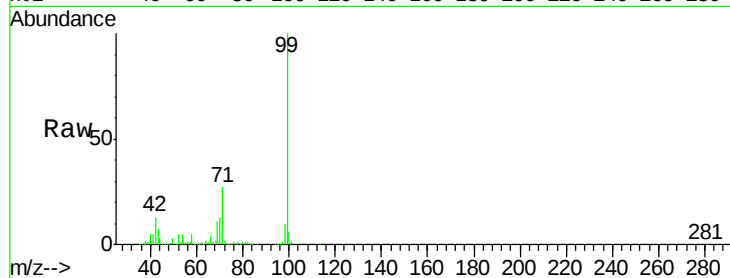
Delta R.T. -0.01 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

Tgt Ion: 99 Resp: 1086360

Ion	Ratio	Lower	Upper
99	100		
42	12.9	15.6	23.4#
71	26.9	27.5	41.3#



#19

n-Nitroso-di-n-propylamine

Concen: 19.64 ng

RT: 7.31 min Scan# 457

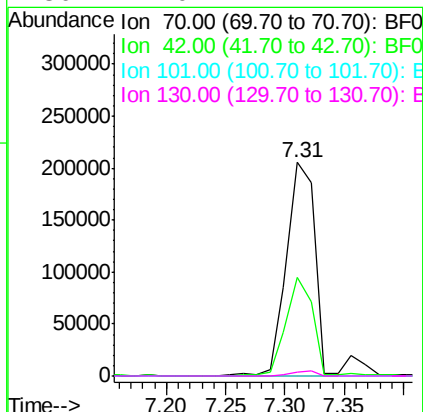
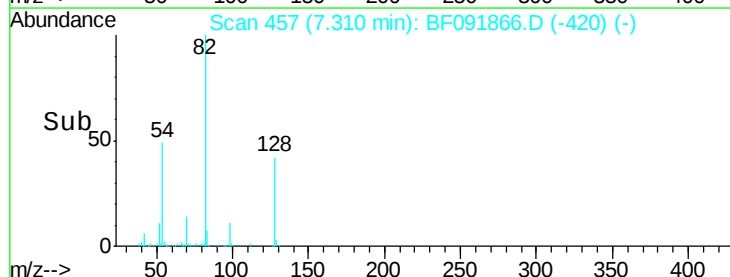
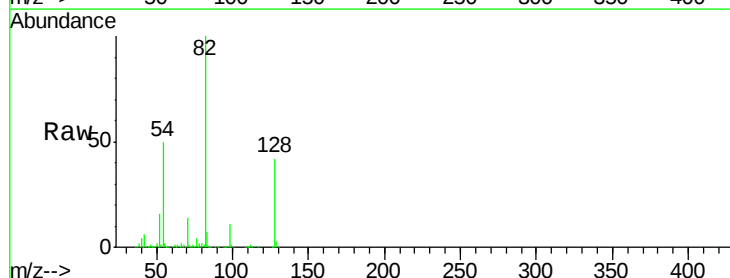
Delta R.T. 0.13 min

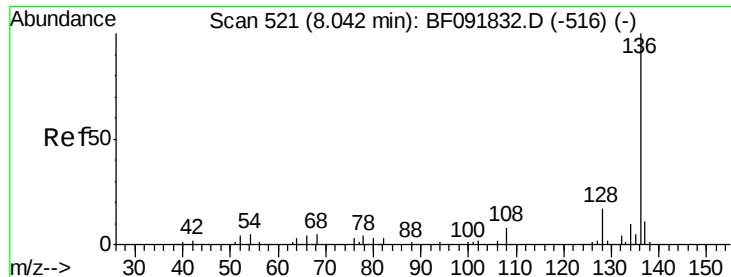
Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

Tgt Ion: 70 Resp: 337685

Ion	Ratio	Lower	Upper
70	100		
42	46.2	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: BF091866.D

Acq: 22 Dec 2016 6:12

Tgt Ion: 136 Resp: 1423071

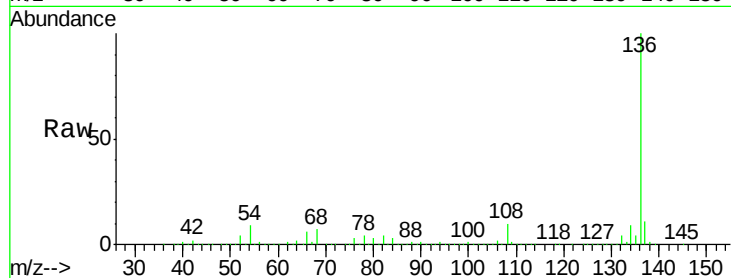
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 8.5 4.5 6.7#

68 7.4 3.6 5.4#

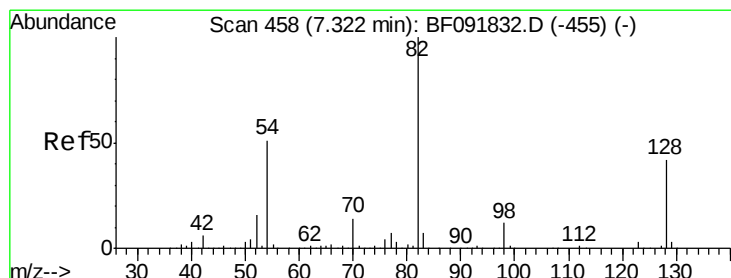
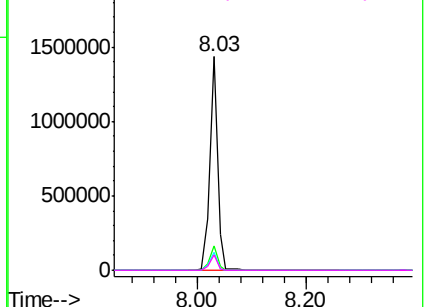
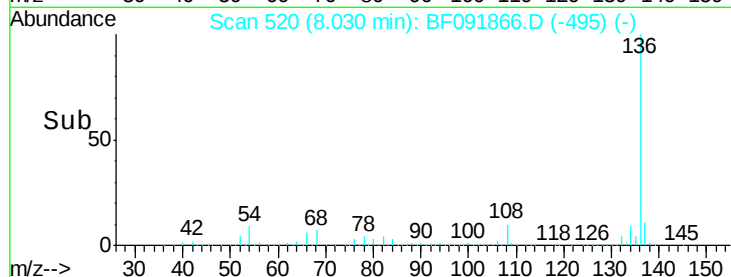


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.73 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

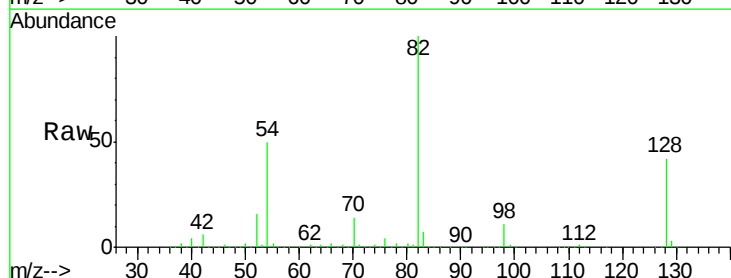
Tgt Ion: 82 Resp: 2526826

Ion Ratio Lower Upper

82 100

128 42.1 34.6 52.0

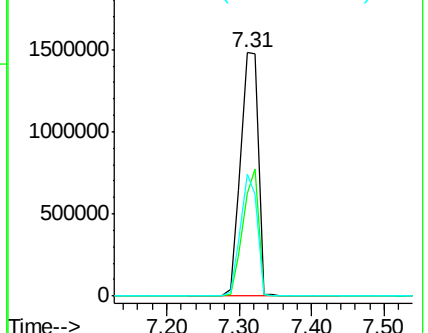
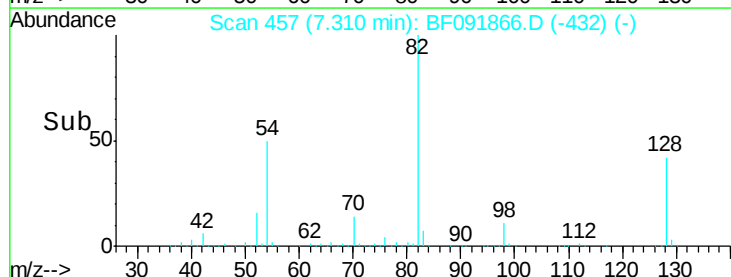
54 50.2 39.5 59.3

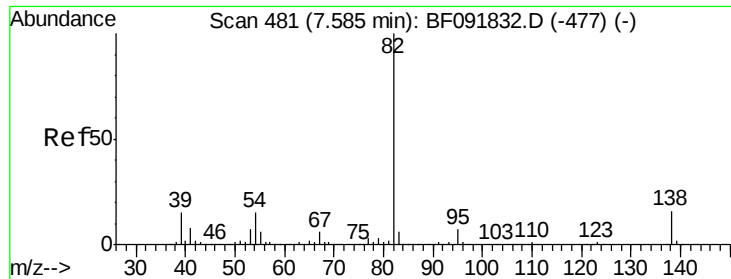


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.20 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.27 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

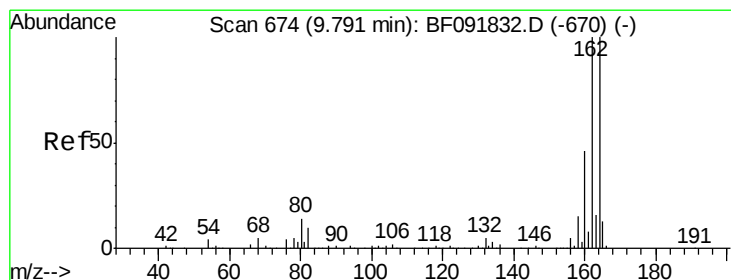
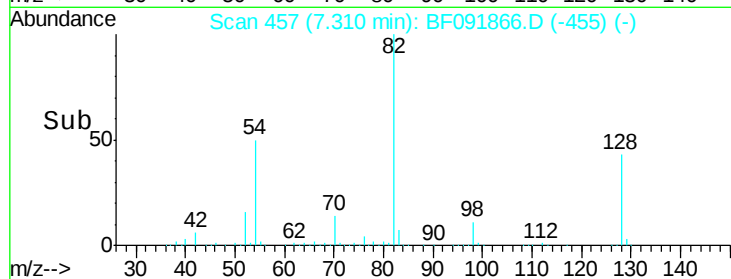
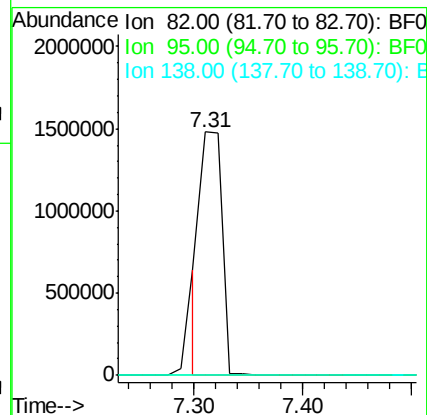
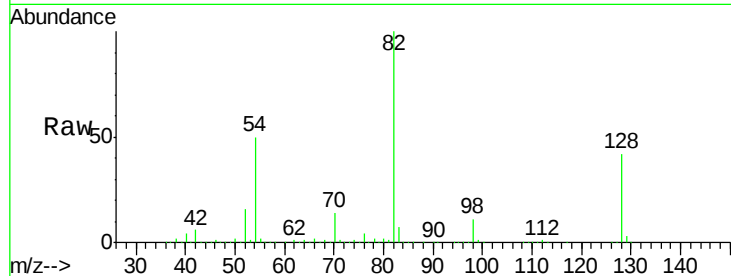
Tgt Ion: 82 Resp: 2039635

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

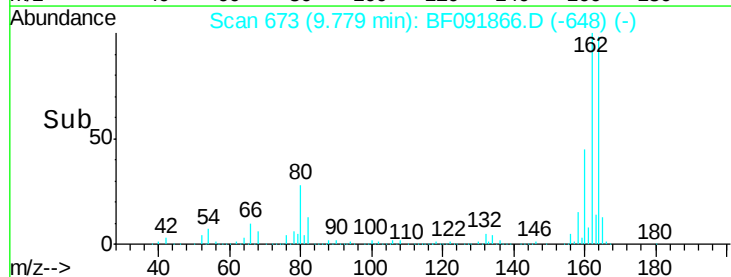
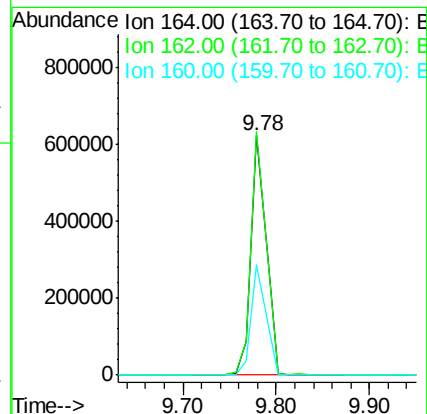
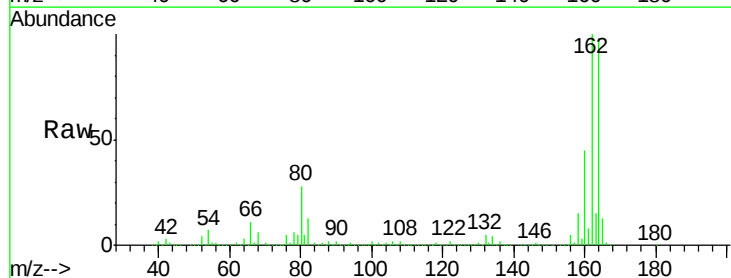
Tgt Ion: 164 Resp: 706470

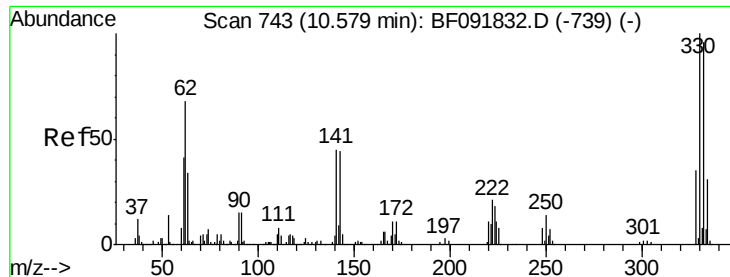
Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

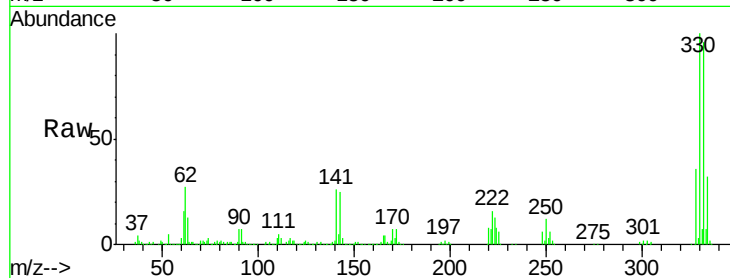
160 46.1 36.9 55.3



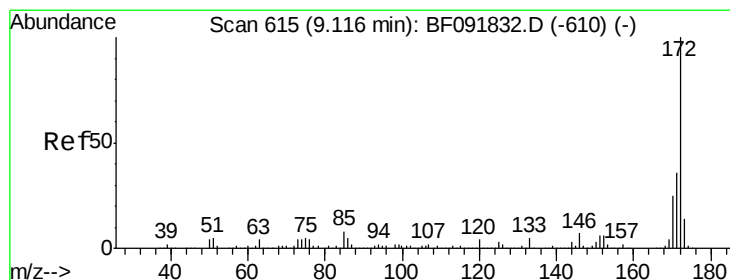
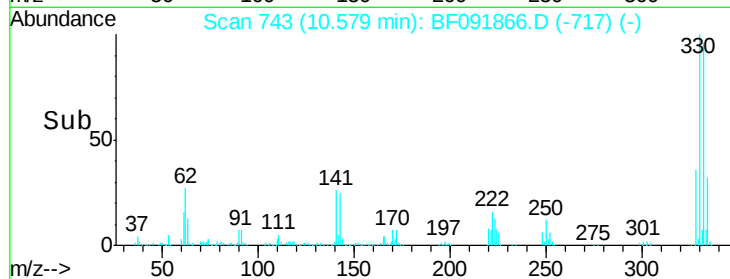
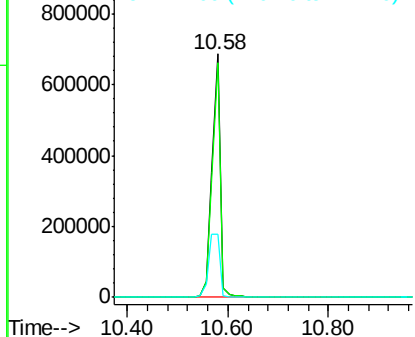


#41
 2,4,6-Tribromophenol
 Concen: 134.79 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091866.D
 Acq: 22 Dec 2016 6:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.2
141	35.5	34.1	51.1

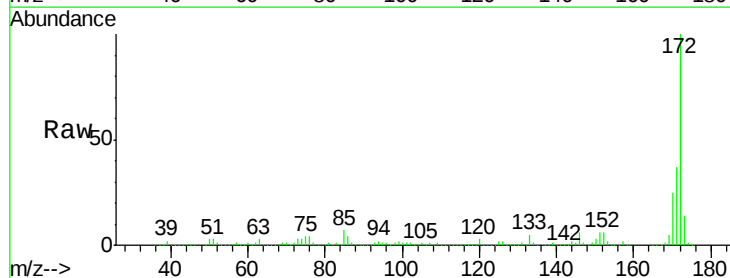


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

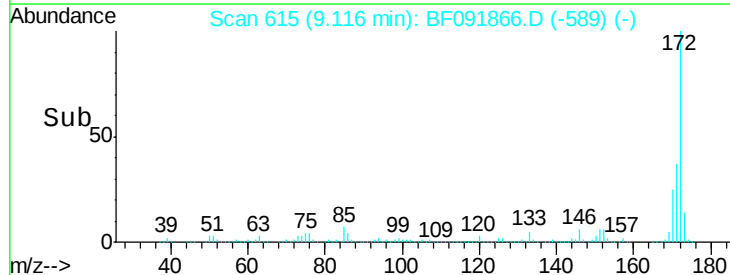
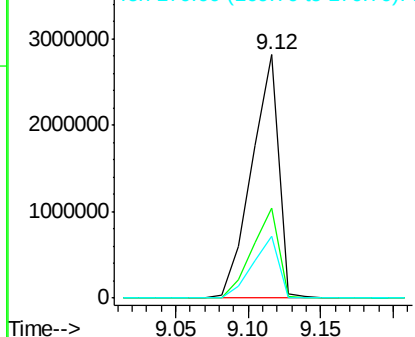


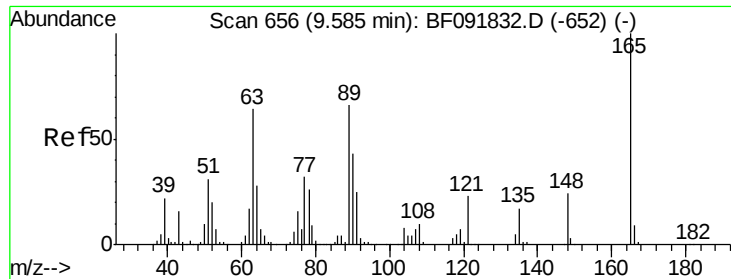
#44
 2-Fluorobiphenyl
 Concen: 108.68 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091866.D
 Acq: 22 Dec 2016 6:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	25.4	20.2	30.4



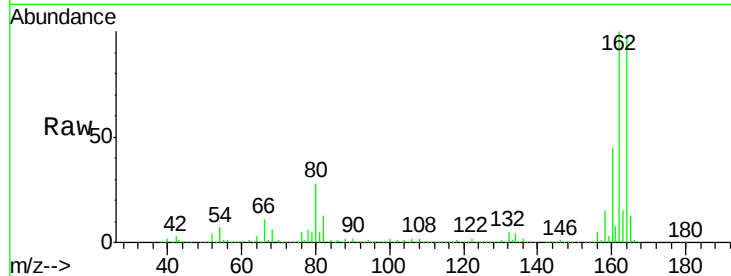
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50
 2,6-Dinitrotoluene
 Concen: 9.52 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091866.D
 Acq: 22 Dec 2016 6:12

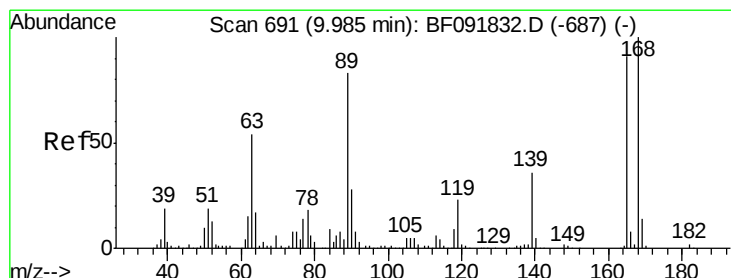
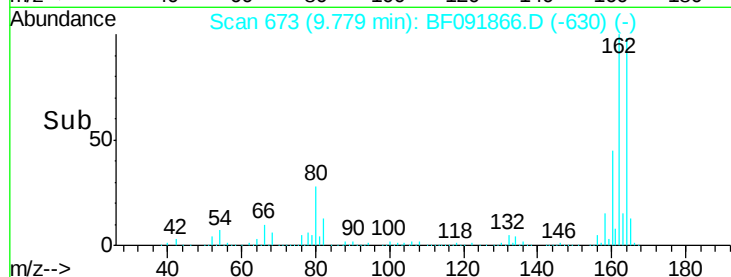
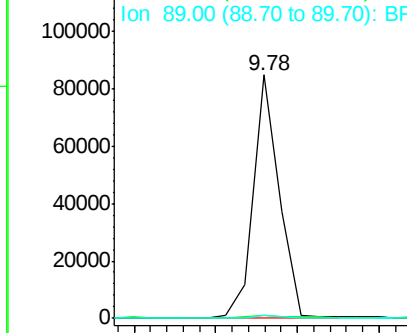
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.2	54.4#
89	1.2	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

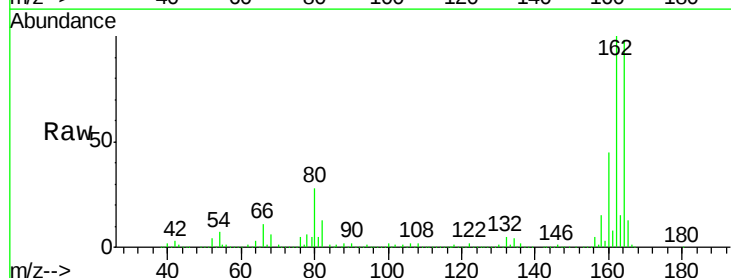
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.67 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091866.D
 Acq: 22 Dec 2016 6:12

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

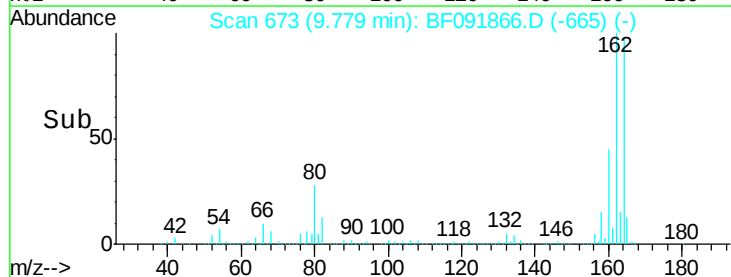
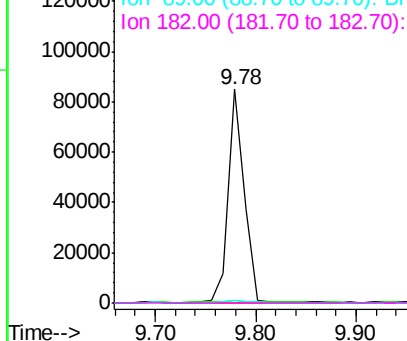


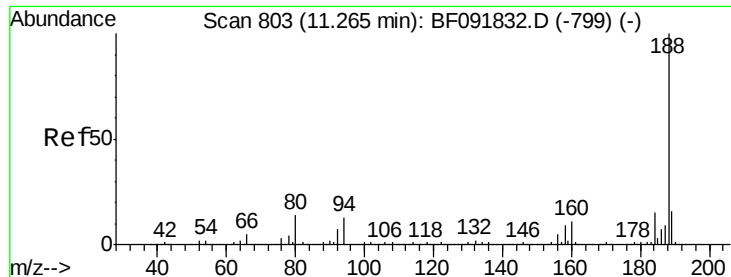
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

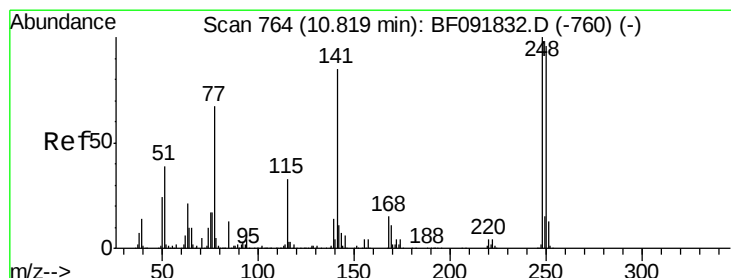
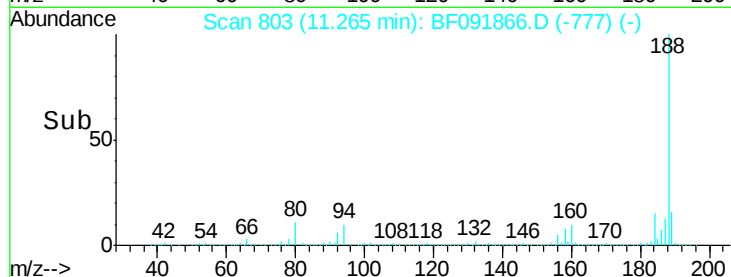
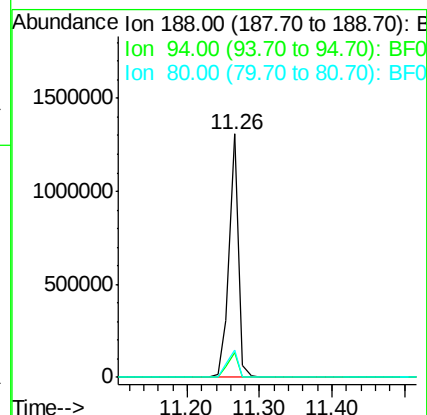
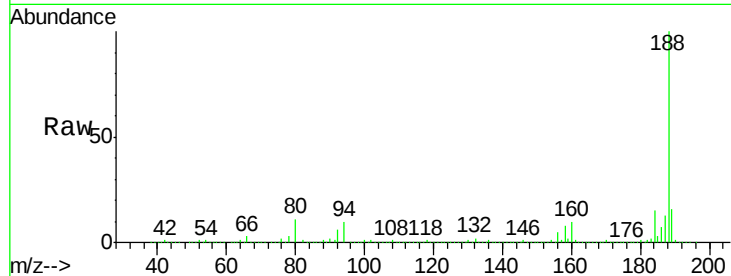
Ion 182.00 (181.70 to 182.70): E





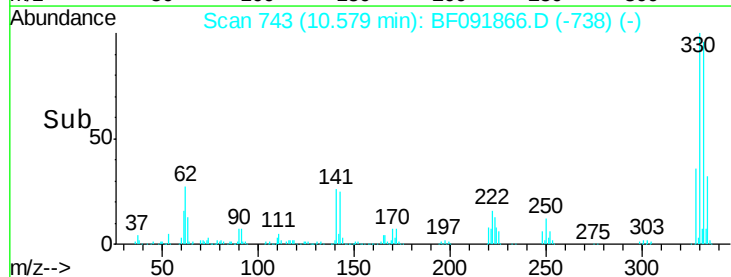
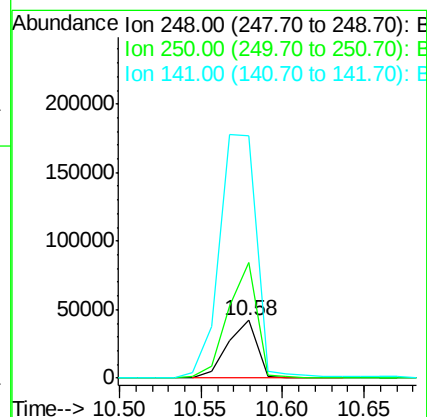
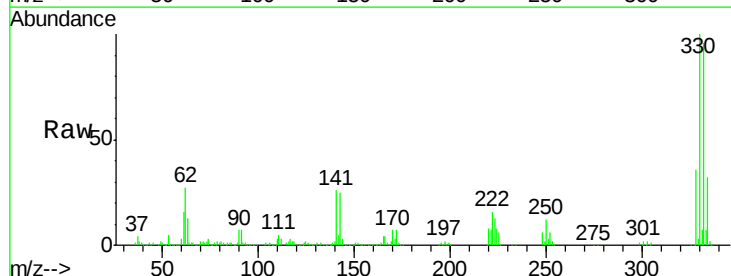
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091866.D
 Acq: 22 Dec 2016 6:12

Tgt Ion:188 Resp: 1182026
 Ion Ratio Lower Upper
 188 100
 94 10.2 10.0 15.0
 80 11.2 11.2 16.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.27 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.24 min
 Lab File: BF091866.D
 Acq: 22 Dec 2016 6:12

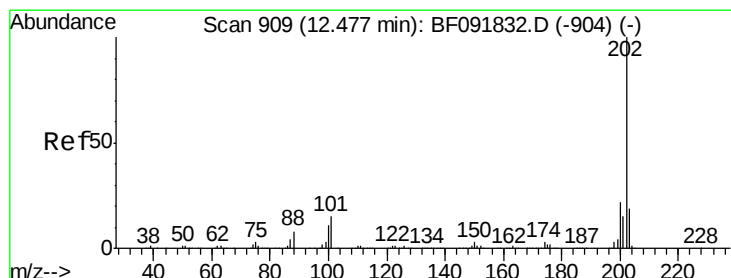
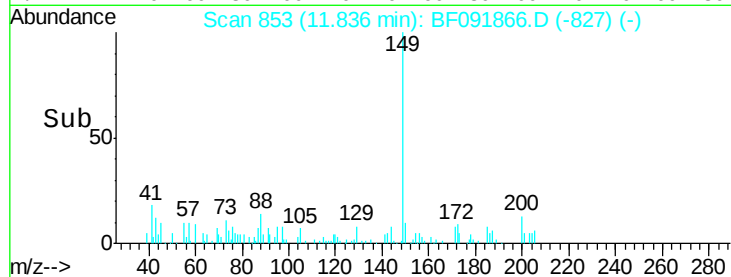
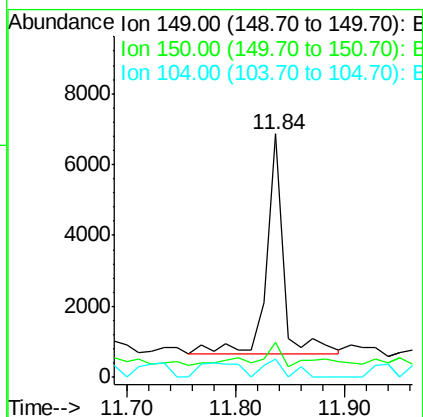
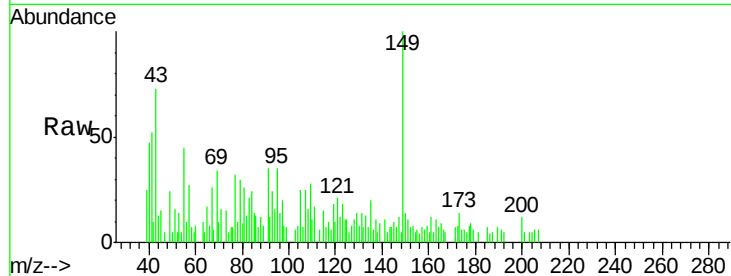
Tgt Ion:248 Resp: 52558
 Ion Ratio Lower Upper
 248 100
 250 199.9 76.9 115.3#
 141 418.1 68.2 102.4#





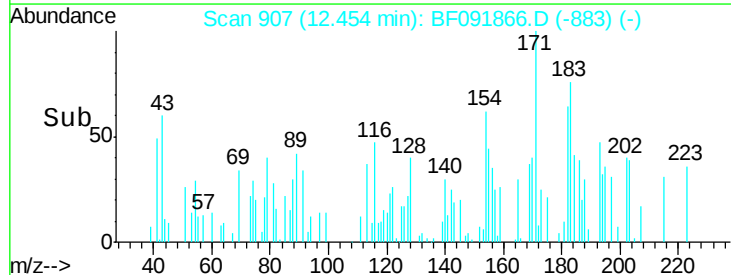
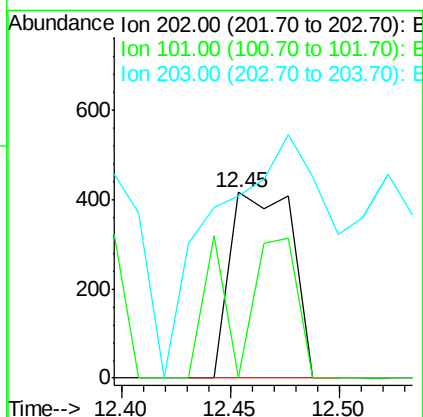
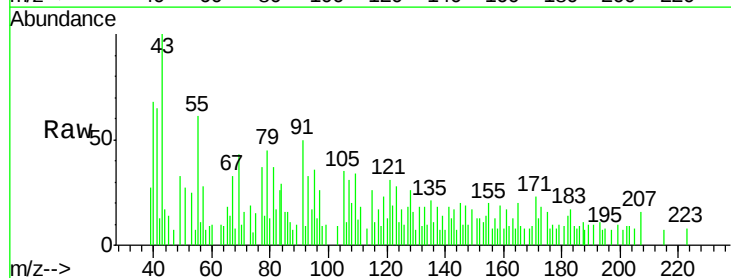
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.84 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF091866.D
Acq: 22 Dec 2016 6:12

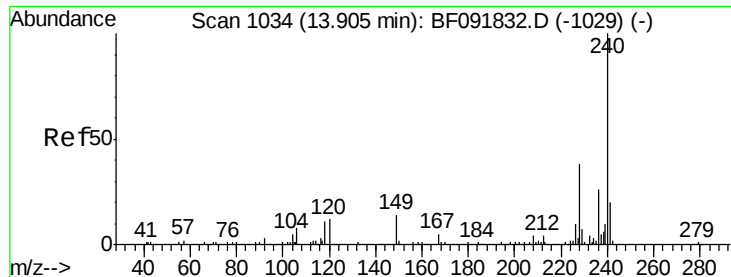
Tgt Ion: 149 Resp: 6735
Ion Ratio Lower Upper
149 100
150 14.5 8.1 12.1#
104 7.7 4.6 7.0#



#74
Fluoranthene
Concen: Below Cal
RT: 12.45 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF091866.D
Acq: 22 Dec 2016 6:12

Tgt Ion: 202 Resp: 825
Ion Ratio Lower Upper
202 100
101 0.0 0.0 34.6
203 98.3 0.0 38.7#





#75

Chrysene-d12

Concen: 20.00 ng

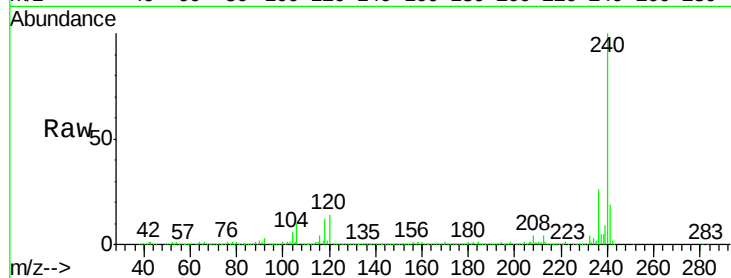
RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

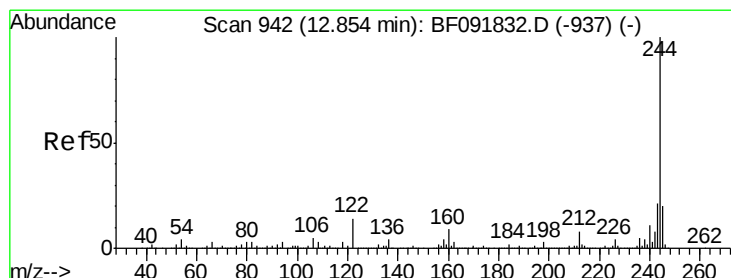
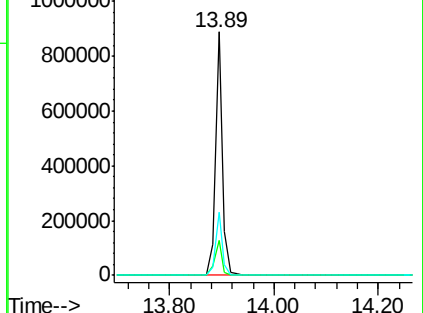
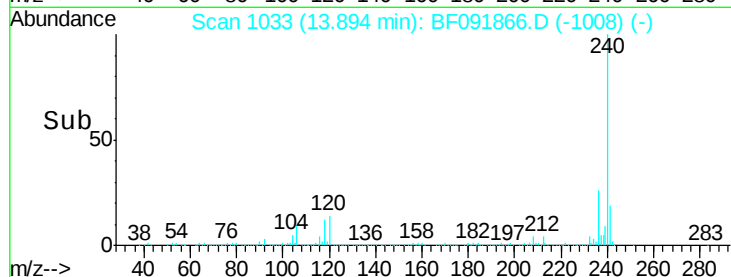
Tgt Ion:	240	Resp:	824249
Ion	Ratio	Lower	Upper
240	100		
120	14.3	12.9	19.3
236	25.7	20.9	31.3



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



#78

Terphenyl-d14

Concen: 71.12 ng

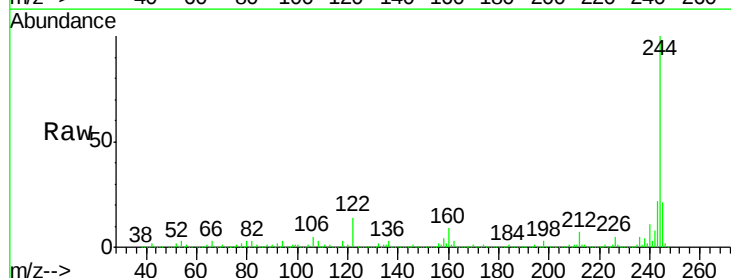
RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091866.D

Acq: 22 Dec 2016 6:12

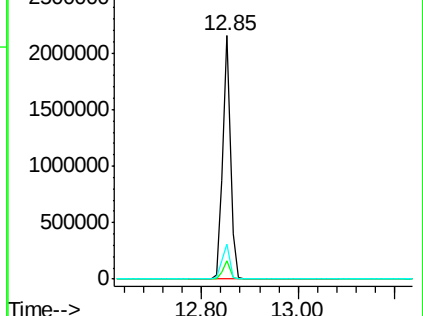
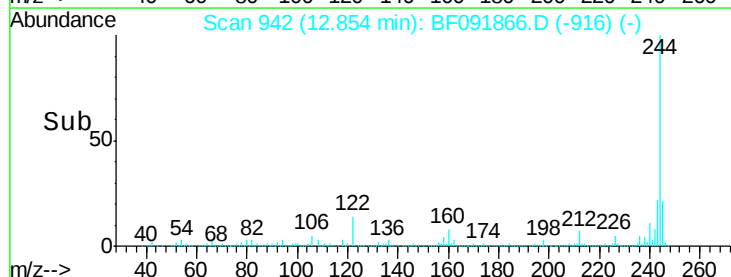
Tgt Ion:	244	Resp:	2417106
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	14.2	11.4	17.2

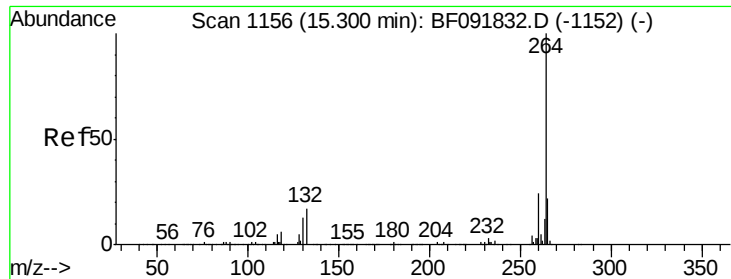


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

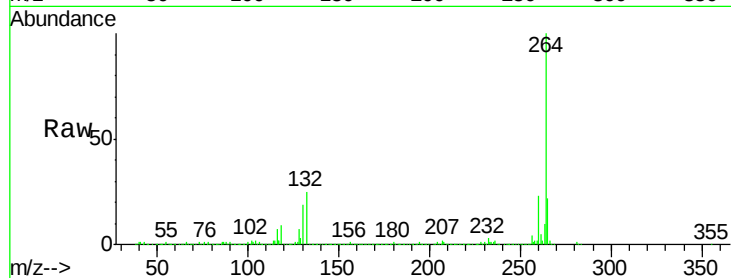
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091866.D
Acq: 22 Dec 2016 6:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	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

