

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
 Data File : BF091346.D
 Acq On : 30 Nov 2016 11:27
 Operator : UM/SJ
 Sample : H5749-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 17:50:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

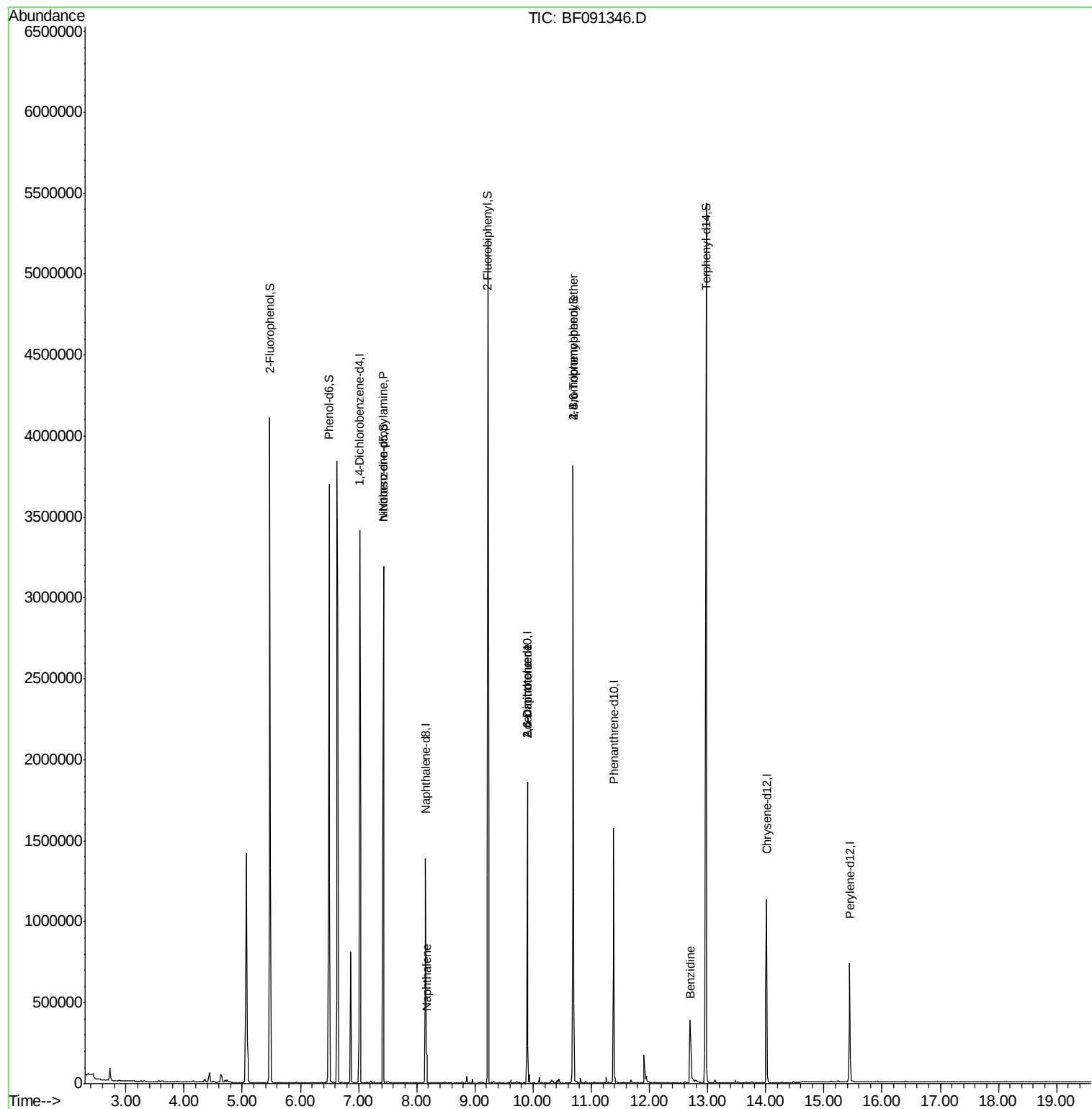
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	582867	20.00	ng	0.14
21) Naphthalene-d8	8.15	136	694275	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	387492	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	662194	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	470074	20.00	ng	-0.03
86) Perylene-d12	15.44	264	357629	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1207656	33.85	ng	0.00
7) Phenol-d6	6.49	99	1400482	31.89	ng	0.00
23) Nitrobenzene-d5	7.43	82	1169178	94.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	456207	124.36	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1880471	87.87	ng	-0.02
78) Terphenyl-d14	12.97	244	1989045	91.97	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	162520	5.87	ng	# 69
31) Naphthalene	8.17	128	111712	3.39	ng	98
50) 2,6-Dinitrotoluene	9.90	165	50554	9.64	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	50544	7.43	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	29300	4.12	ng	# 1
76) Benzidine	12.71	184	53792	3.90	ng	94

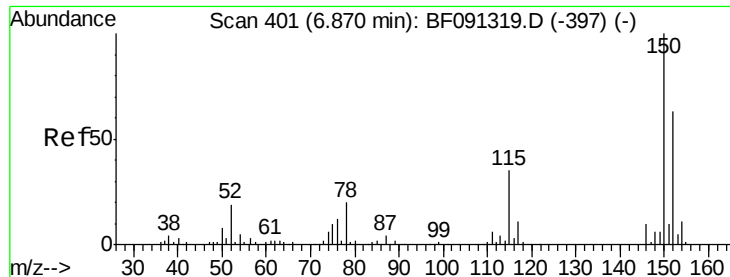
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
Data File : BF091346.D
Acq On : 30 Nov 2016 11:27
Operator : UM/SJ
Sample : H5749-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 30 17:50:33 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 13:33:46 2016
Response via : Initial Calibration



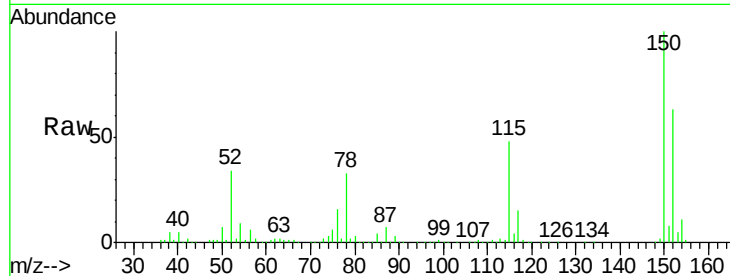


#1

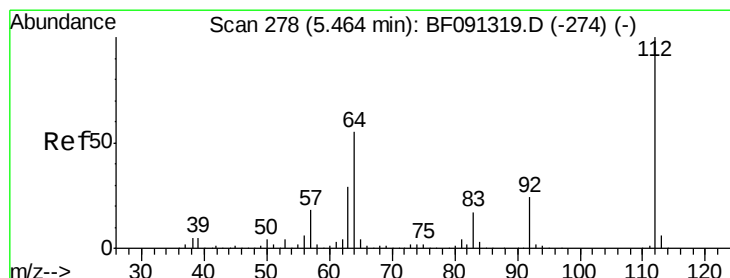
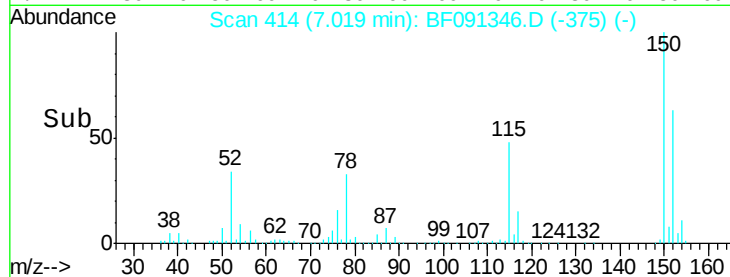
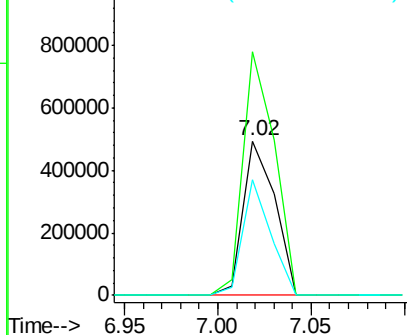
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 414
Delta R.T. 0.14 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 582867
Ion Ratio Lower Upper
152 100
150 158.0 122.5 183.7
115 75.2 51.8 77.8



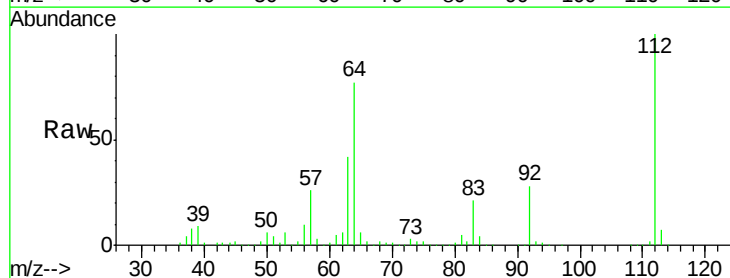
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



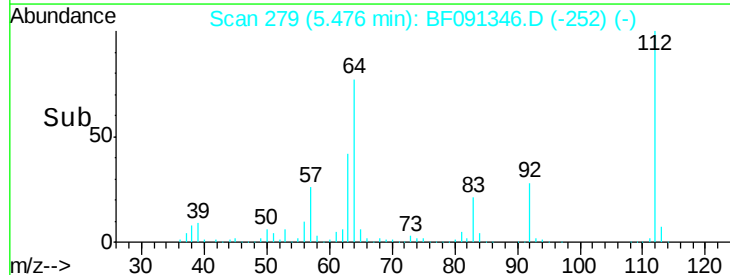
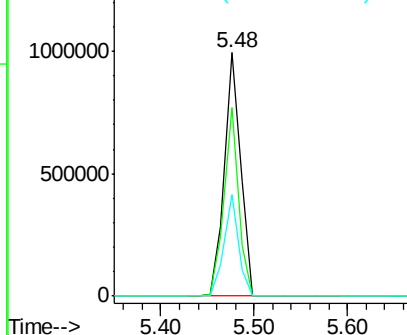
#5

2-Fluorophenol
Concen: 33.85 ng
RT: 5.48 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF091346.D
Acq: 30 Nov 2016 11:27

Tgt Ion:112 Resp: 1207656
Ion Ratio Lower Upper
112 100
64 77.3 61.5 92.3
63 41.6 33.3 49.9



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: 31.89 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Instrument :

BNA_F

ClientSampleId :

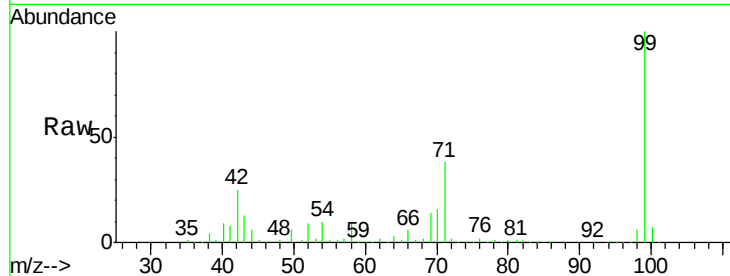
Tot Ion: 99 Resp: 1400482

Ion Ratio Lower Upper

99 100

42 24.7 20.6 31.0

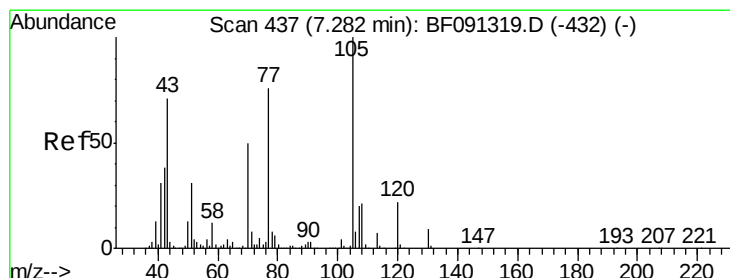
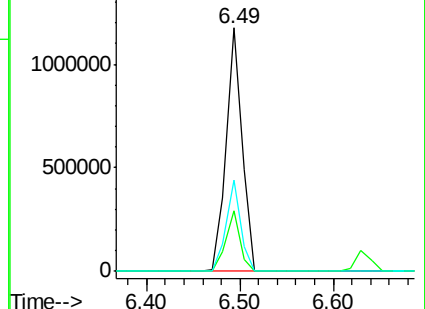
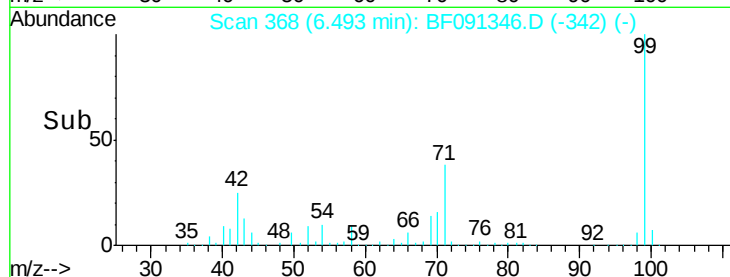
71 37.6 29.9 44.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.87 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Tgt Ion: 70 Resp: 162520

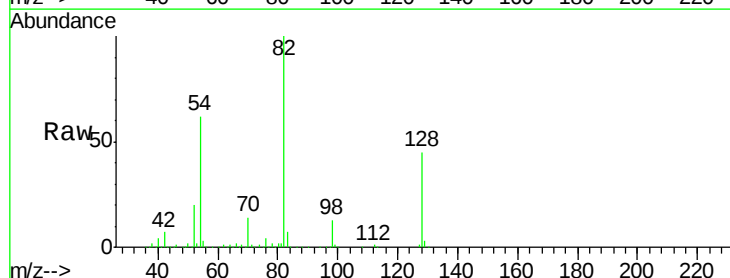
Ion Ratio Lower Upper

70 100

42 52.6 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#

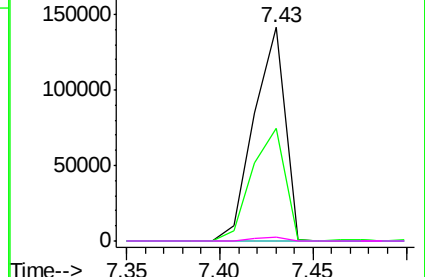
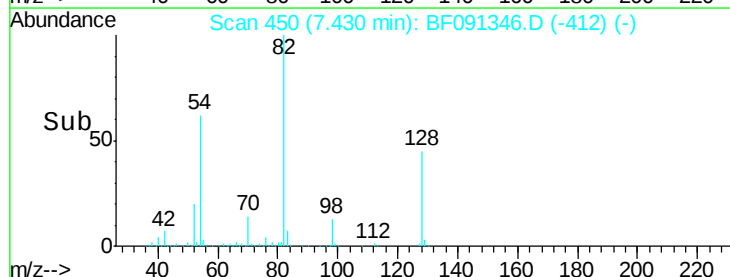


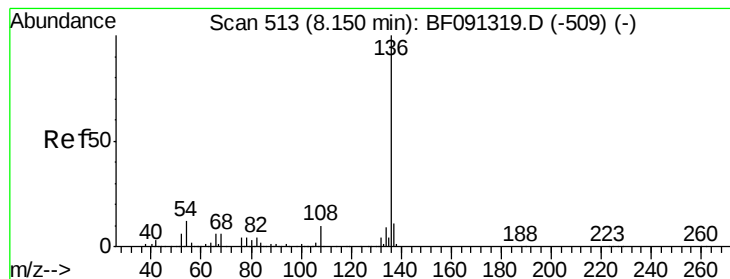
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091346.D

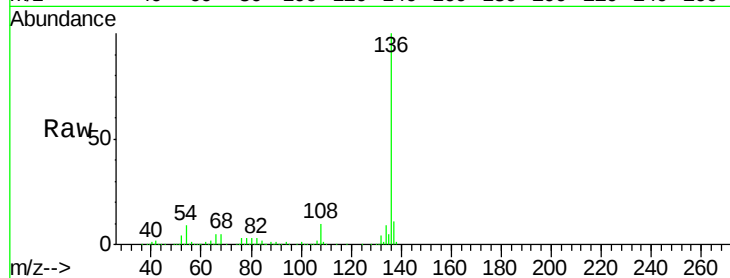
Acq: 30 Nov 2016 11:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	694275
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	9.3	9.1 13.7
68	4.6	5.9 8.9#

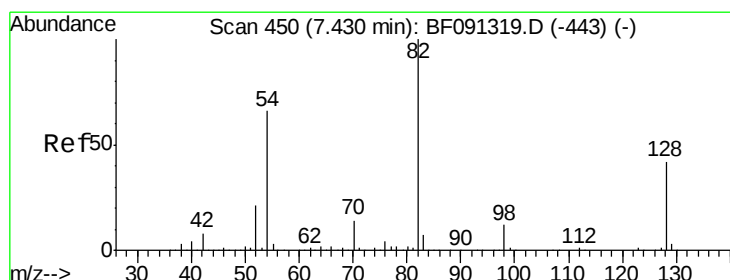
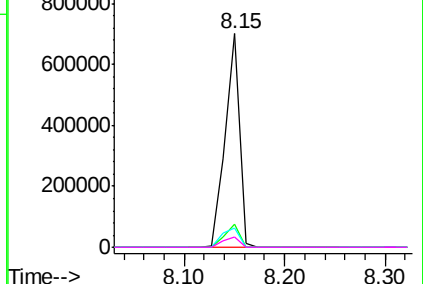
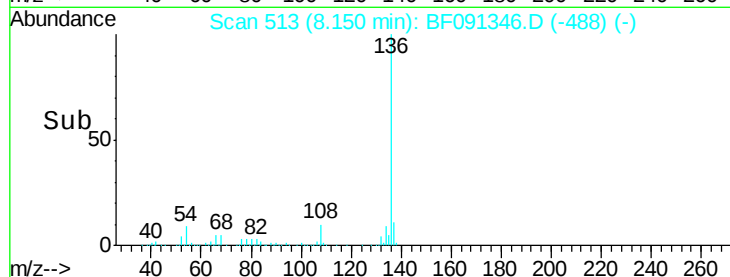


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.37 ng

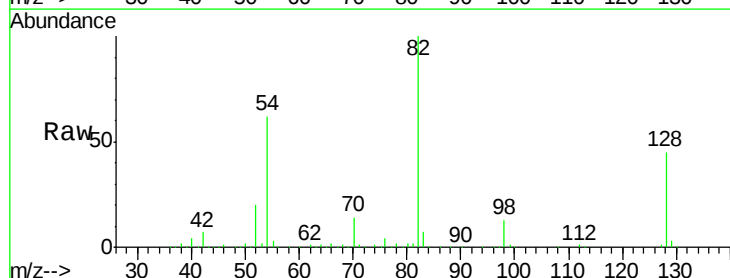
RT: 7.43 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

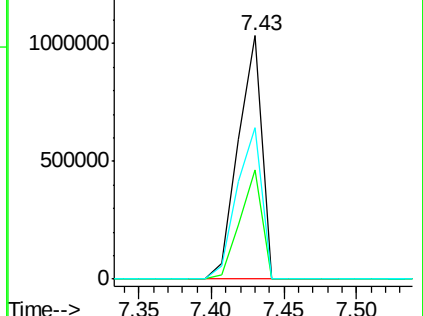
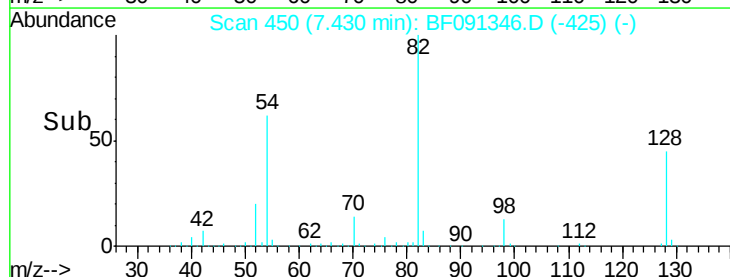
Tgt Ion: 82	Resp:	1169178
Ion Ratio	Lower	Upper
82	100	
128	44.9	31.8 47.6
54	62.4	49.1 73.7

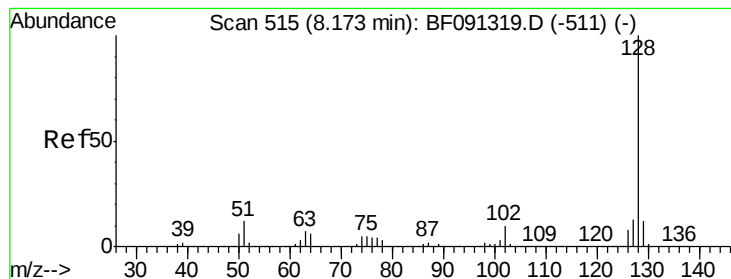


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.39 ng

RT: 8.17 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Instrument :

BNA_F

ClientSampleId :

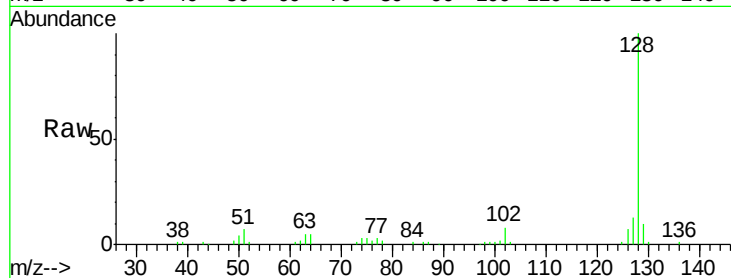
Tot Ion:128 Resp: 111712

Ion Ratio Lower Upper

128 100

129 10.2 9.1 13.7

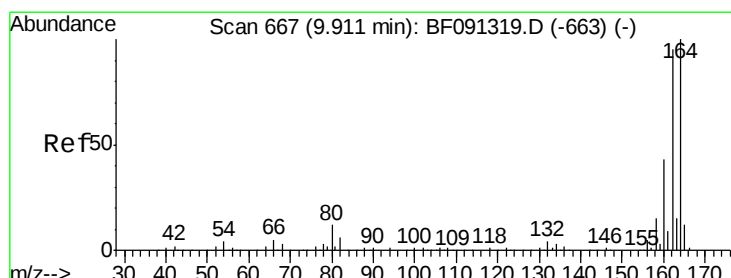
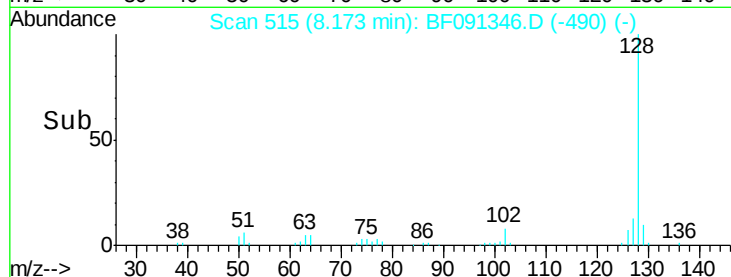
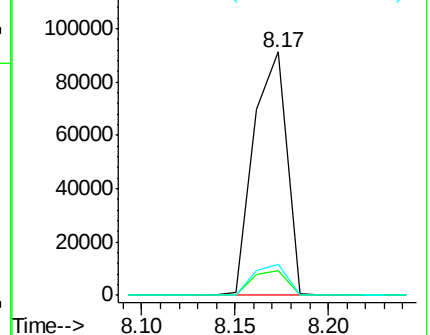
127 12.9 11.0 16.4



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

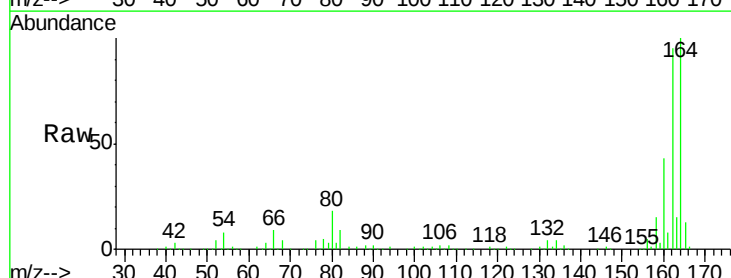
Tgt Ion:164 Resp: 387492

Ion Ratio Lower Upper

164 100

162 95.4 82.6 124.0

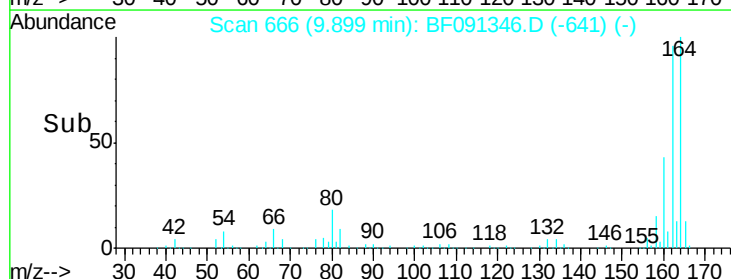
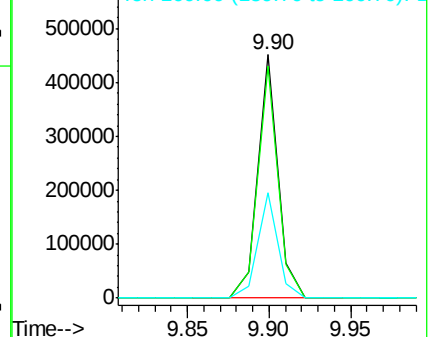
160 43.1 36.7 55.1

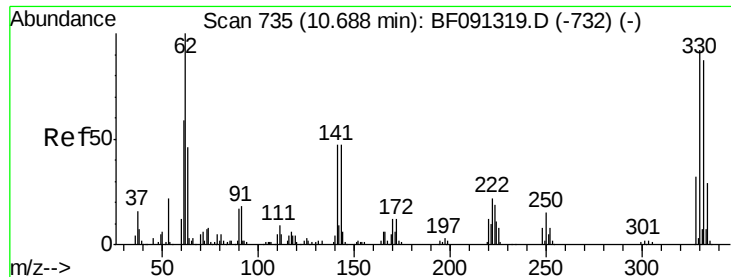


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

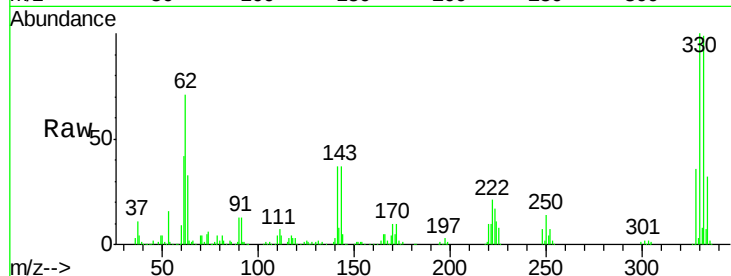




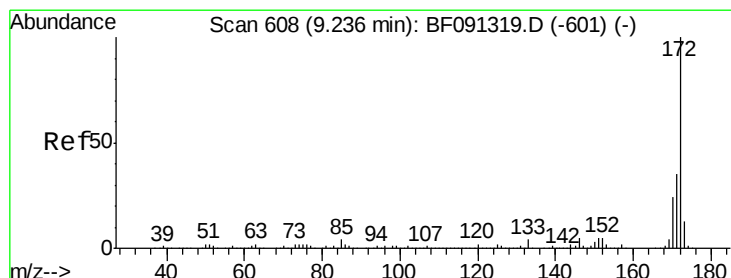
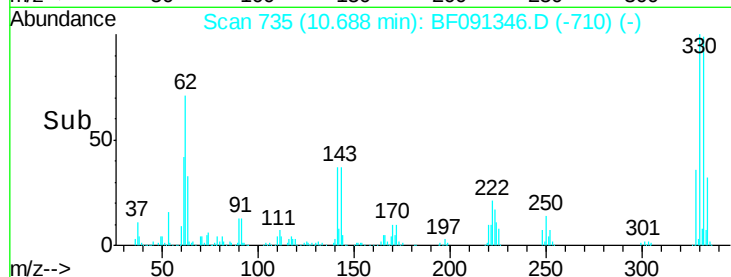
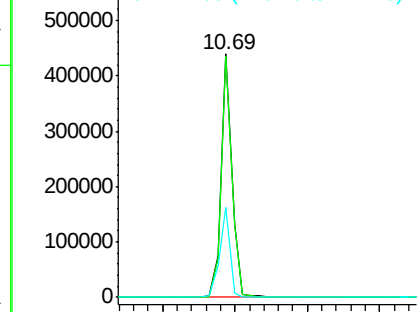
#41
 2,4,6-Tribromophenol
 Concen: 124.36 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.2	114.4
141	34.8	33.6	50.4

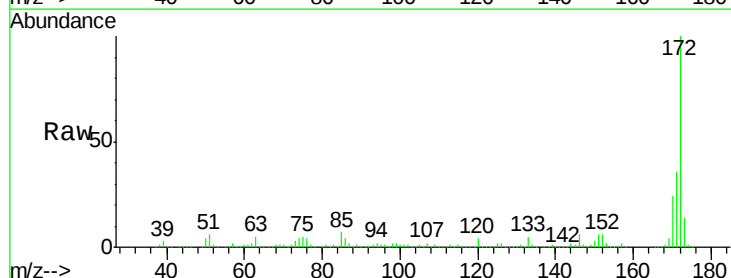


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

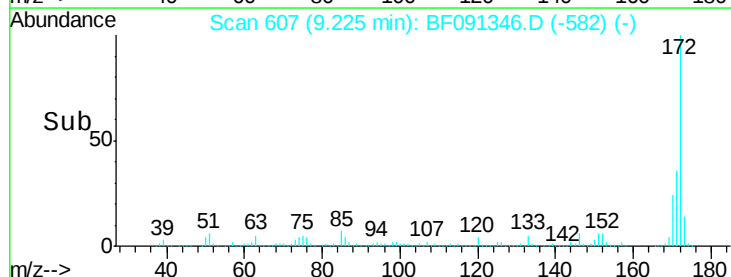
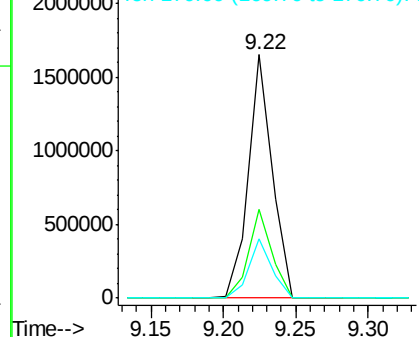


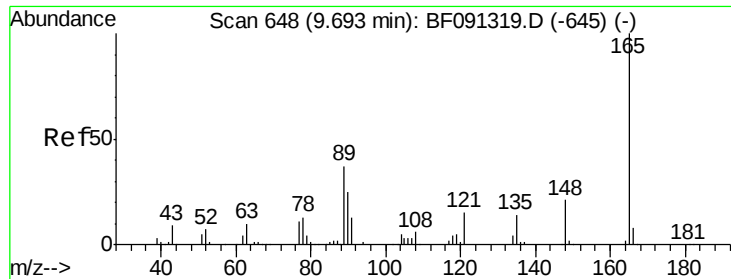
#44
 2-Fluorobiphenyl
 Concen: 87.87 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.4	19.7	29.5



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

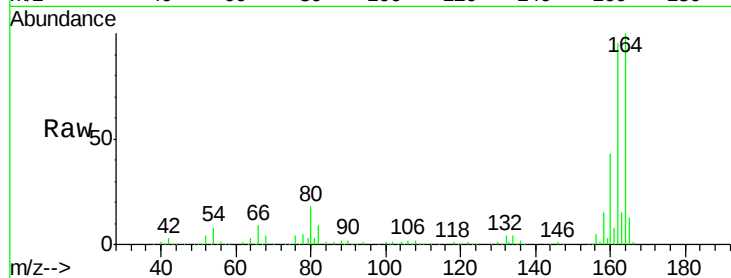




#50
 2,6-Dinitrotoluene
 Concen: 9.64 ng
 RT: 9.90 min Scan# 666
 Delta R.T. 0.20 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :

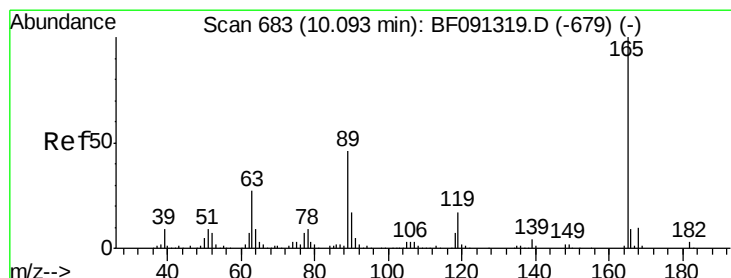
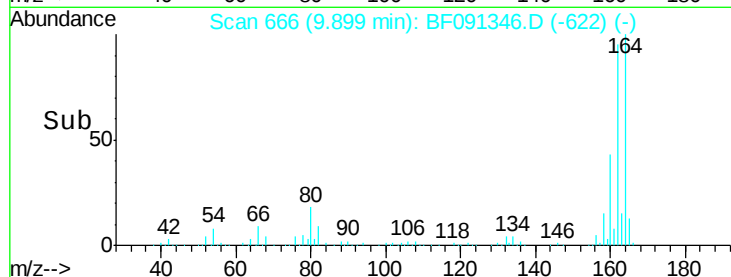
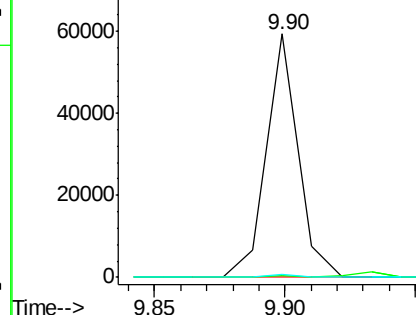
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	59.4	89.0#
89	1.2	50.8	76.2#



Abundance Ion 165.00 (164.70 to 165.70): E

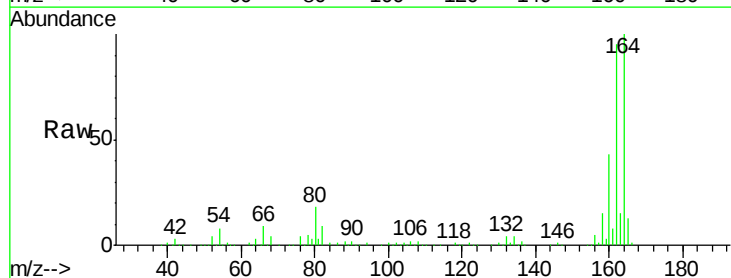
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.43 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.0	43.4#
89	1.2	43.1	64.7#
182	0.0	1.9	2.9#

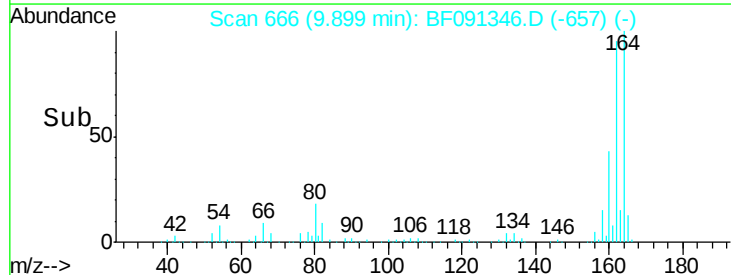
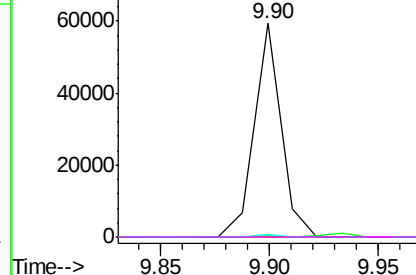


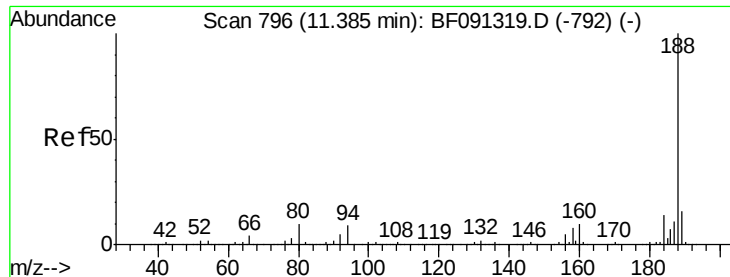
Abundance Ion 165.00 (164.70 to 165.70): E

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

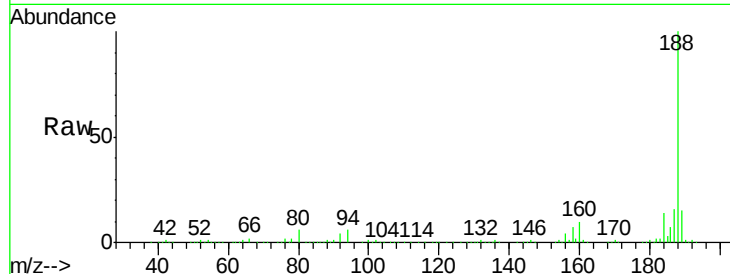




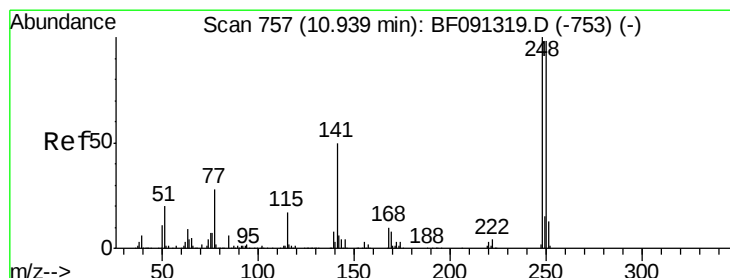
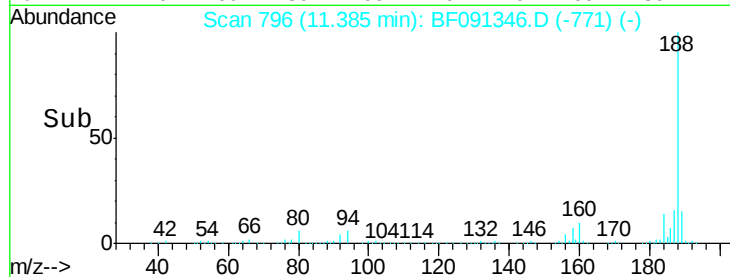
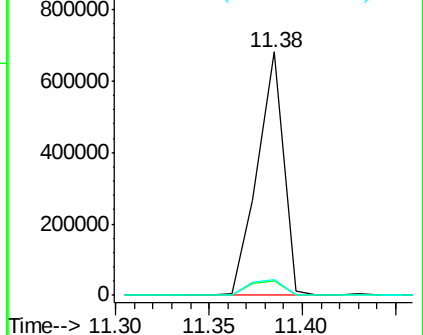
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 662194
 Ion Ratio Lower Upper
 188 100
 94 6.2 9.2 13.8#
 80 6.4 10.5 15.7#

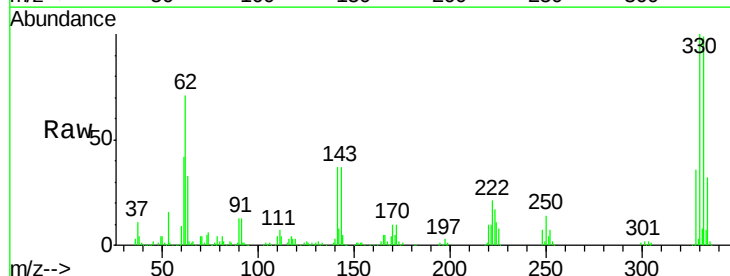


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

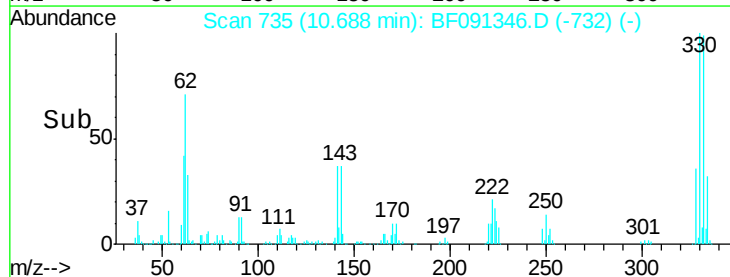
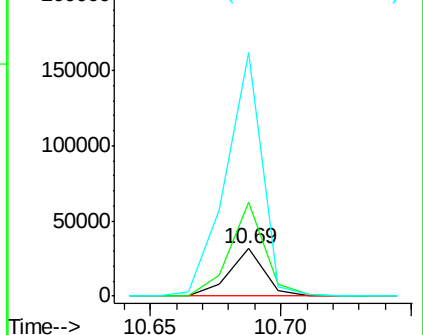


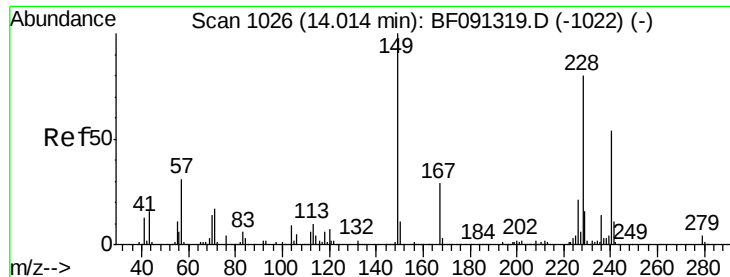
#66
 4-Bromophenyl-phenylether
 Concen: 4.12 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.27 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Tgt Ion:248 Resp: 29300
 Ion Ratio Lower Upper
 248 100
 250 198.2 78.2 117.4#
 141 514.8 71.9 107.9#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

Instrument :

BNA_F

ClientSampleId :

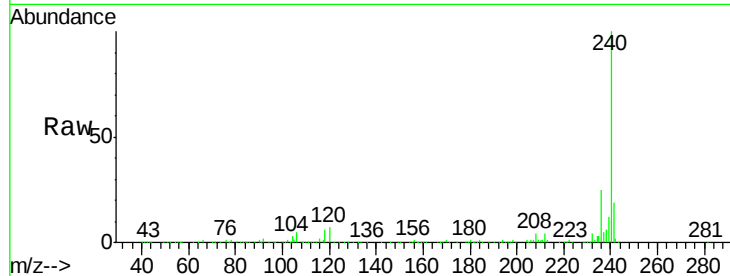
Tot Ion:240 Resp: 470074

Ion Ratio Lower Upper

240 100

120 7.2 12.1 18.1#

236 25.2 21.0 31.6



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

14.01

600000

500000

400000

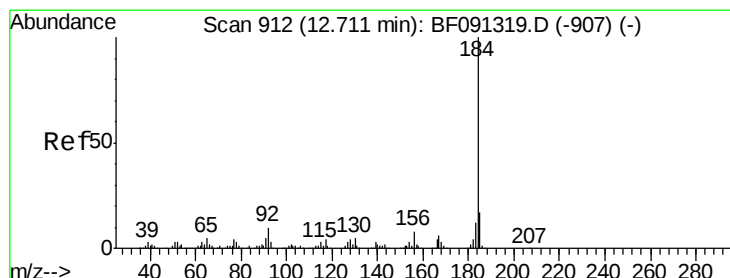
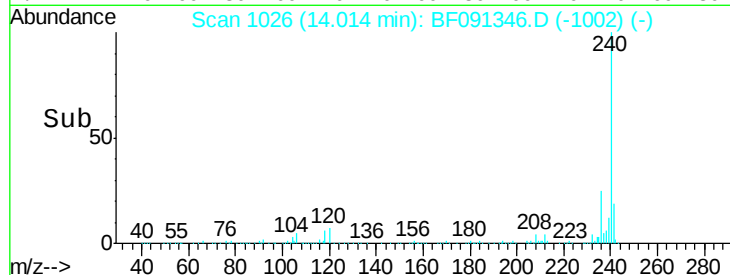
300000

200000

100000

0

Time--> 13.90 14.00 14.10 14.20



#76

Benzidine

Concen: 3.90 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF091346.D

Acq: 30 Nov 2016 11:27

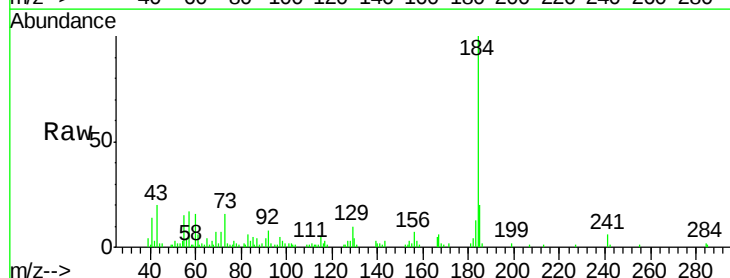
Tgt Ion:184 Resp: 53792

Ion Ratio Lower Upper

184 100

185 19.6 13.1 19.7

183 12.6 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.71

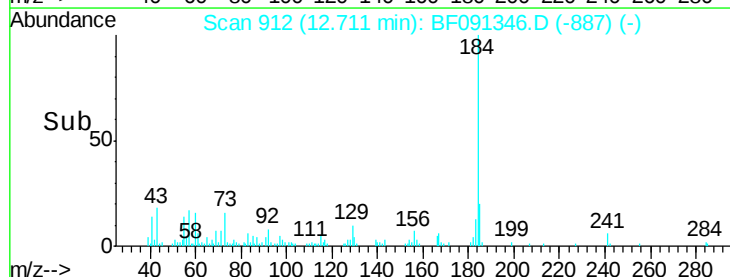
60000

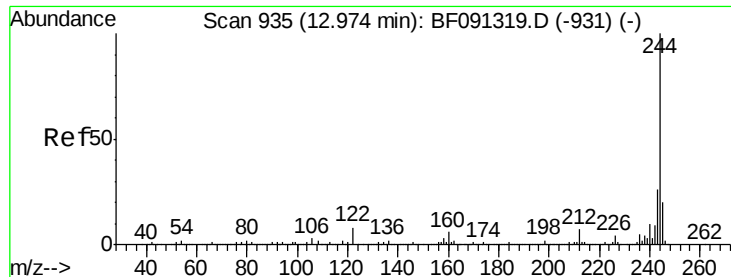
40000

20000

0

Time--> 12.60 12.70 12.80 12.90

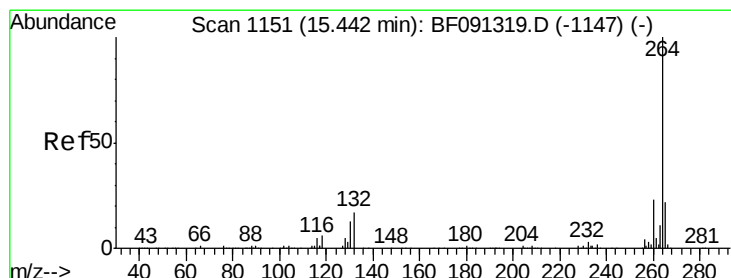
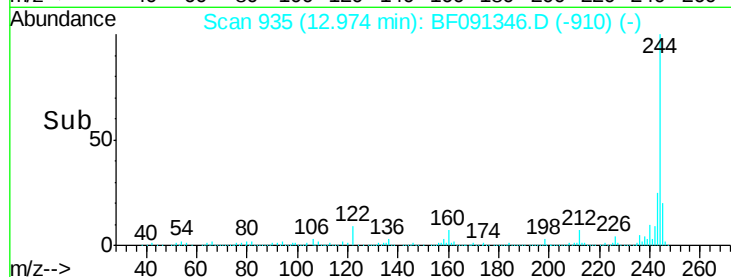
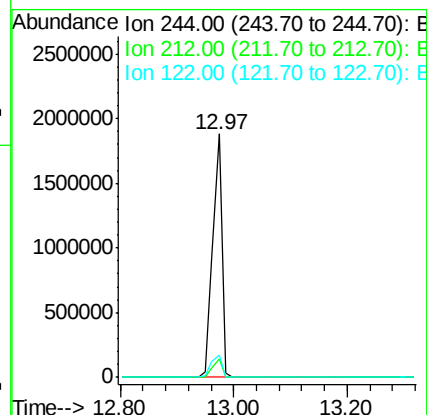
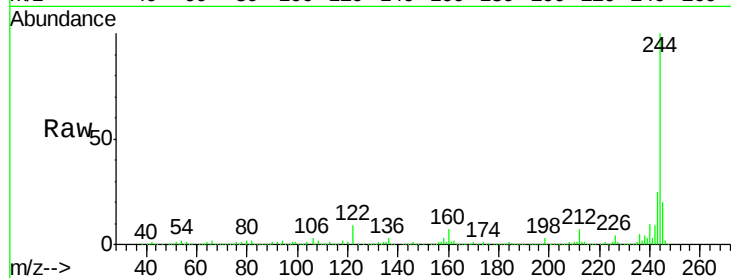




#78
 Terphenyl-d14
 Concen: 91.97 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1989045
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 9.0 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF091346.D
 Acq: 30 Nov 2016 11:27

Tgt Ion:264 Resp: 357629
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.8 28.2
 265 21.6 17.0 25.6

