

Data Path : Z:\HPCHEM1\BNA F\Data\BF122816\
 Data File : BF091994.D
 Acq On : 28 Dec 2016 15:09
 Operator : UM/SJ
 Sample : PB95595TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 15:37:02 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

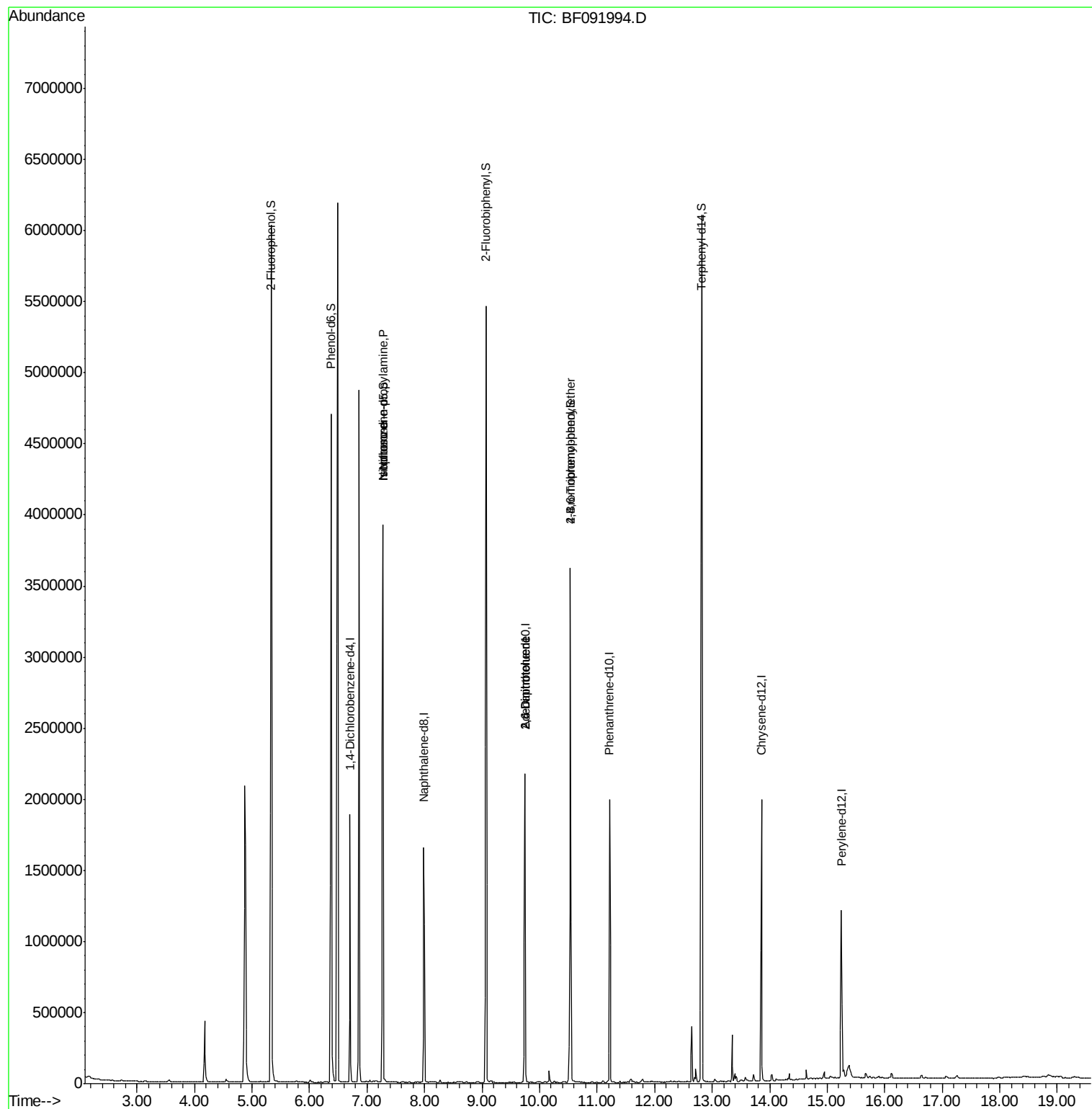
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	281820	20.00	ng	-0.05
21) Naphthalene-d8	7.98	136	1080440	20.00	ng	-0.06
38) Acenaphthene-d10	9.74	164	553727	20.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	874578	20.00	ng	-0.05
75) Chrysene-d12	13.86	240	770365	20.00	ng	-0.05
86) Perylene-d12	15.24	264	538605	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1859929	110.20	ng	-0.01
7) Phenol-d6	6.37	99	2542465	123.38	ng	-0.03
23) Nitrobenzene-d5	7.28	82	1665264	85.70	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	538869	117.59	ng	-0.05
44) 2-Fluorobiphenyl	9.07	172	2264910	83.59	ng	-0.05
78) Terphenyl-d14	12.82	244	2289703	72.08	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	225837	16.47	ng	# 75
25) Isophorone	7.28	82	1545830	43.12	ng	# 65
50) 2,6-Dinitrotoluene	9.74	165	73193	9.44	ng	# 30
56) 2,4-Dinitrotoluene	9.74	165	73193	7.52	ng	# 19
66) 4-Bromophenyl-phenylether	10.53	248	32512	3.57	ng	# 1
71) Anthracene	11.30	178	262	Below Cal	#	59
73) Di-n-butylphthalate	11.79	149	19767	Below Cal	#	96
74) Fluoranthene	12.43	202	257	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: 6.70 min Scan# 404

Delta R.T. -0.05 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Instrument :

BNA_F

ClientSampleId :

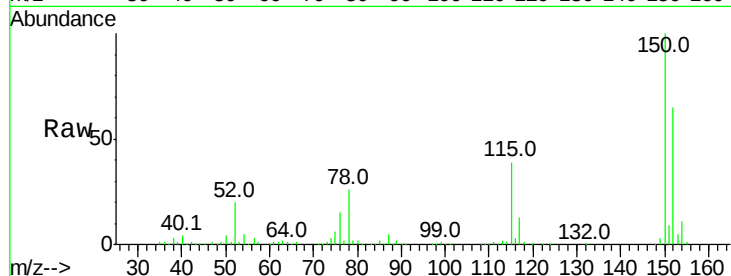
Tot Ion:152 Resp: 281820

Ion Ratio Lower Upper

152 100

150 153.9 124.9 187.3

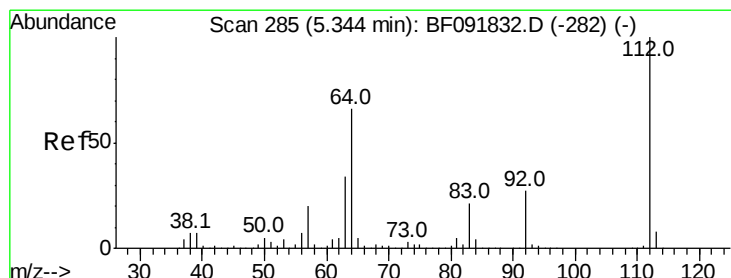
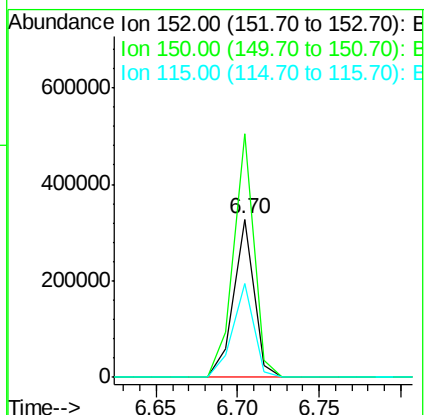
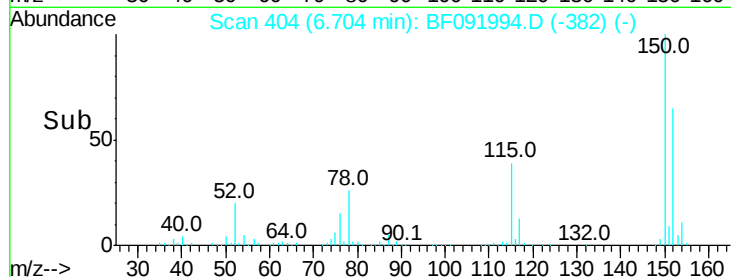
115 59.5 46.0 69.0



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: 110.20 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

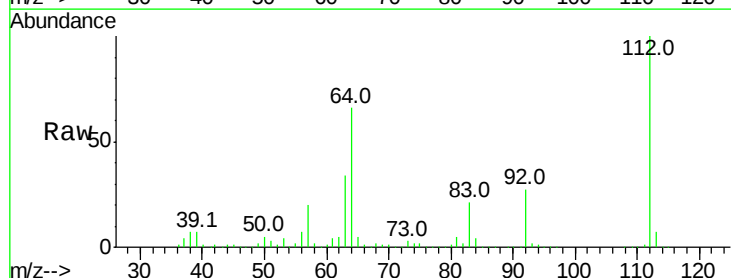
Tgt Ion:112 Resp: 1859929

Ion Ratio Lower Upper

112 100

64 65.6 46.1 69.1

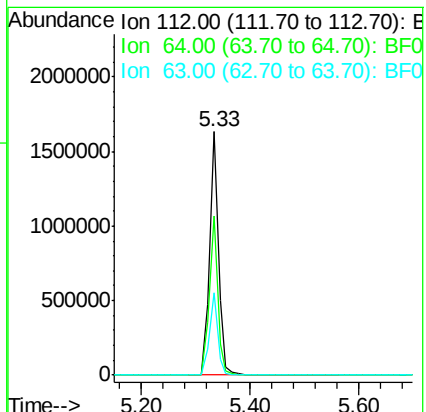
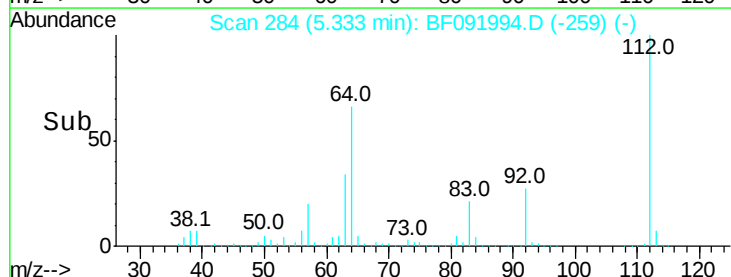
63 33.9 23.8 35.6

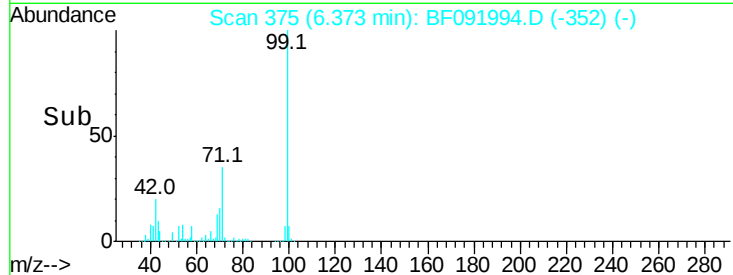
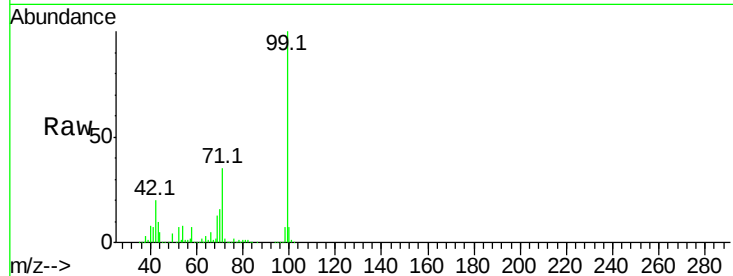


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.38 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Instrument :

BNA_F

ClientSampleId :

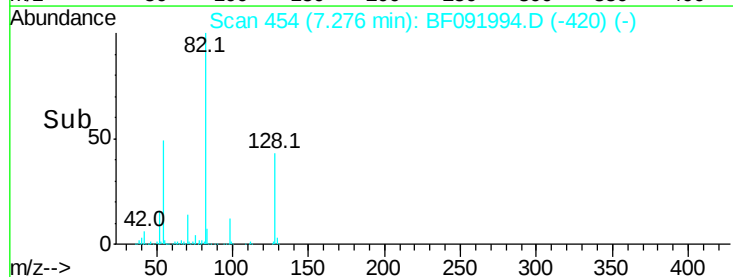
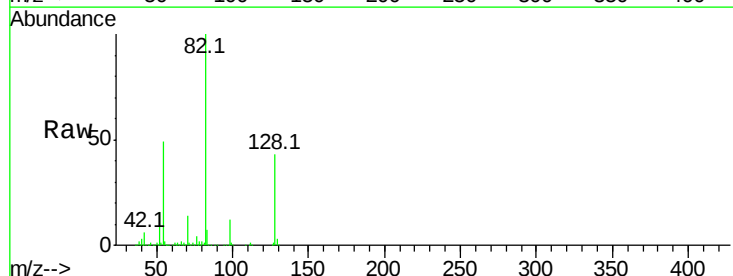
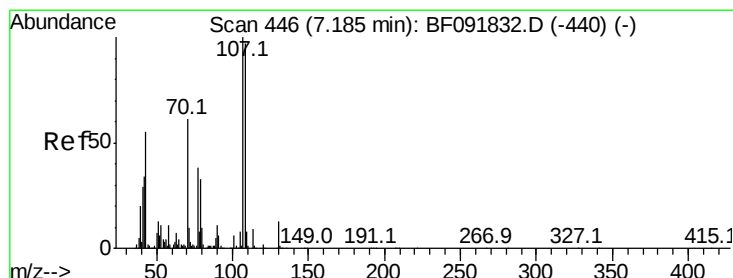
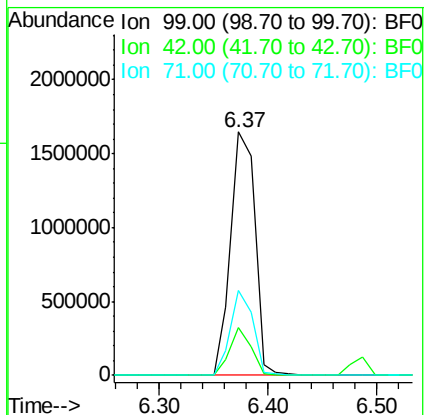
Tot Ion: 99 Resp: 2542465

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

71 35.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.47 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.09 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Tgt Ion: 70 Resp: 225837

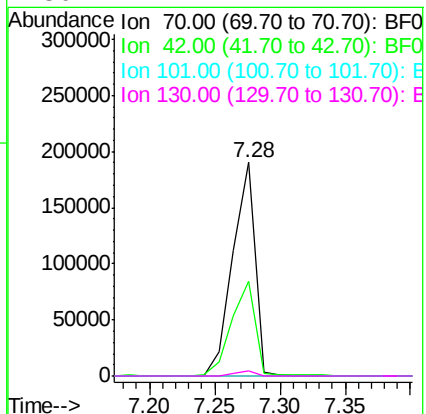
Ion Ratio Lower Upper

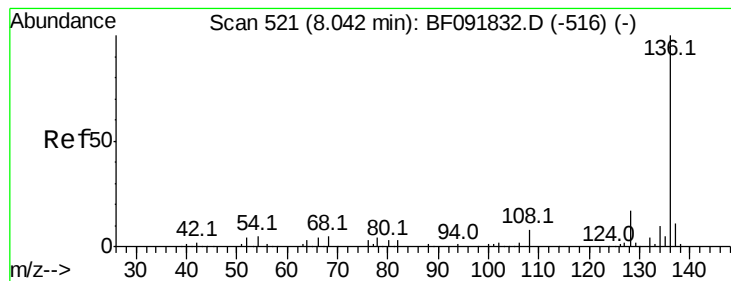
70 100

42 44.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.06 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1080440

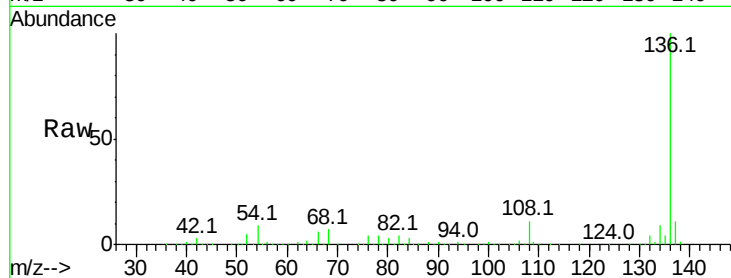
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 9.3 4.5 6.7#

68 7.0 3.6 5.4#

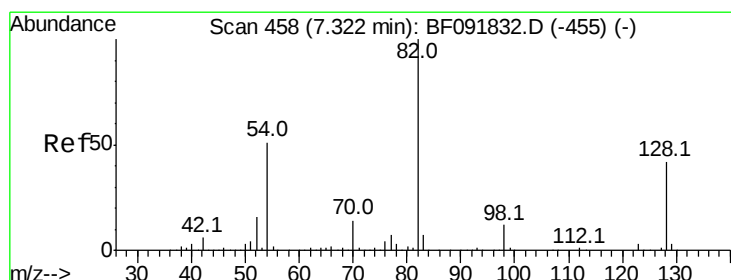
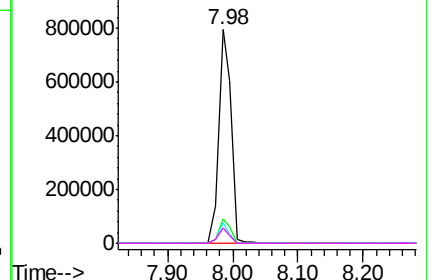
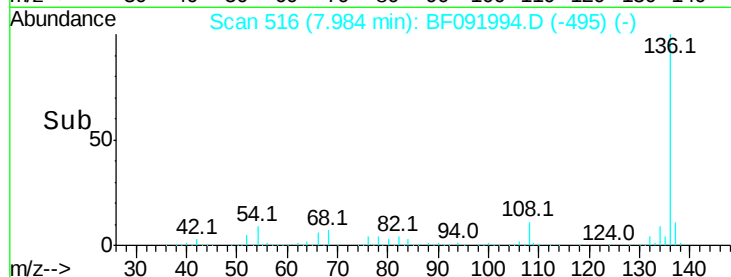


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.70 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.05 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

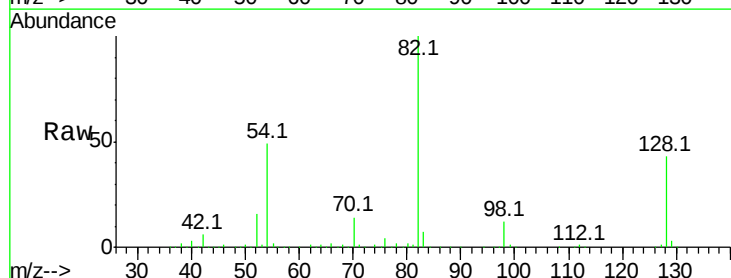
Tgt Ion: 82 Resp: 1665264

Ion Ratio Lower Upper

82 100

128 43.2 34.6 52.0

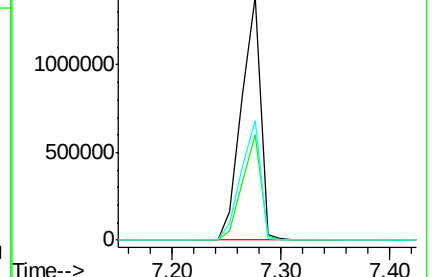
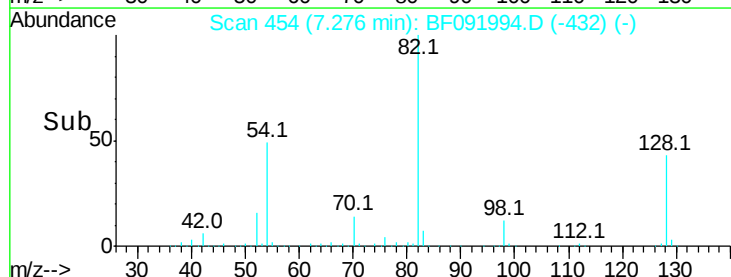
54 49.0 39.5 59.3

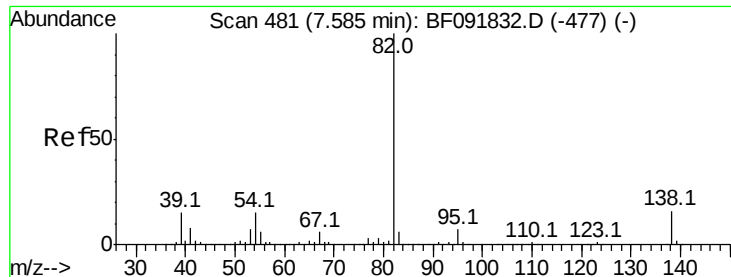


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.12 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.31 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Instrument :

BNA_F

ClientSampleId :

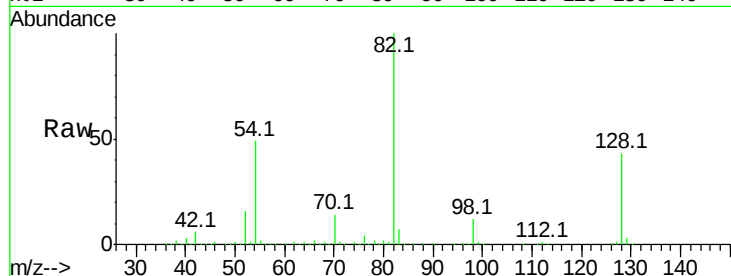
Tot Ion: 82 Resp: 1545830

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

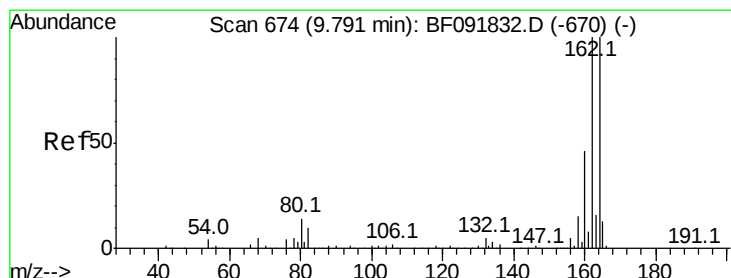
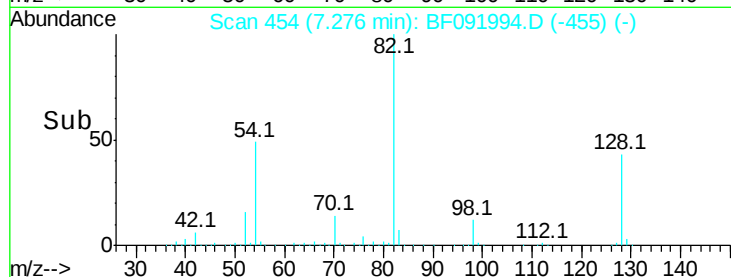
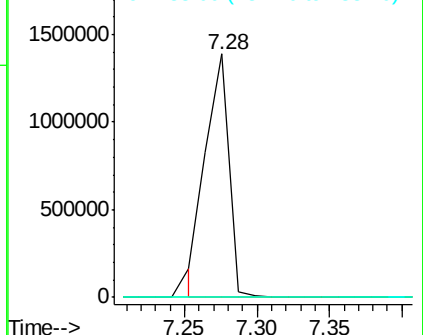
138 0.0 14.6 22.0#



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: 9.74 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

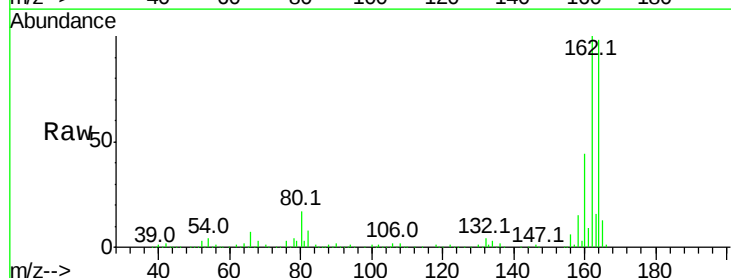
Tgt Ion:164 Resp: 553727

Ion Ratio Lower Upper

164 100

162 101.8 80.2 120.2

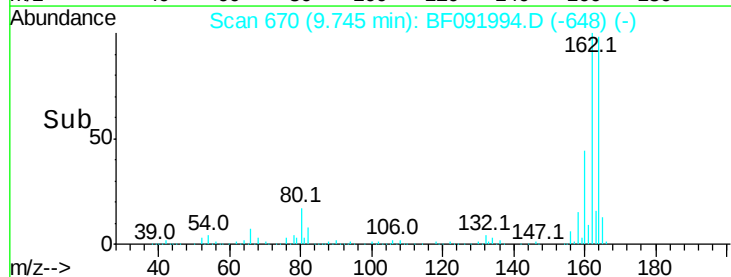
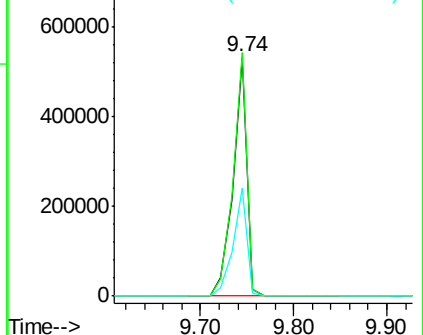
160 45.3 36.9 55.3

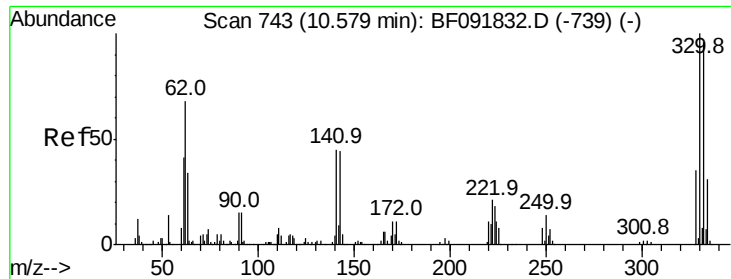


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

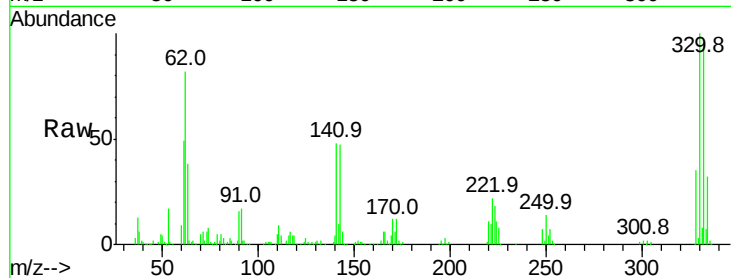




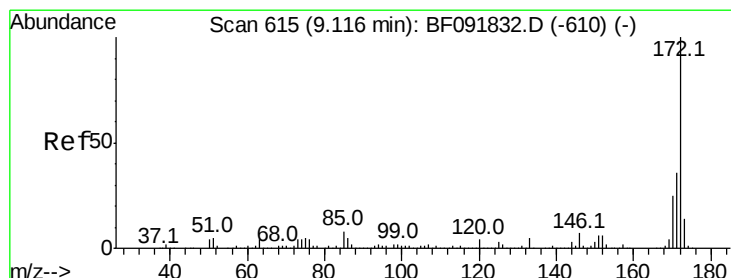
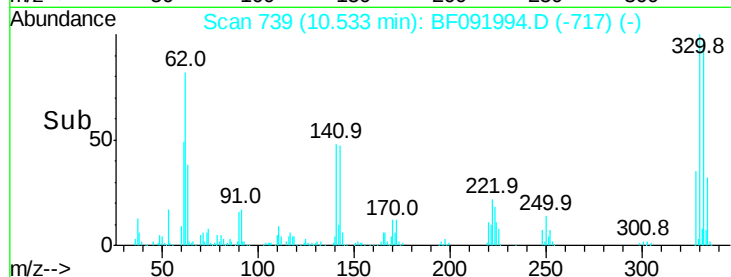
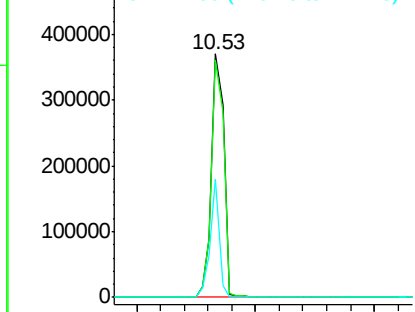
#41
 2,4,6-Tribromophenol
 Concen: 117.59 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.05 min
 Lab File: BF091994.D
 Acq: 28 Dec 2016 15:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	35.6	34.1	51.1

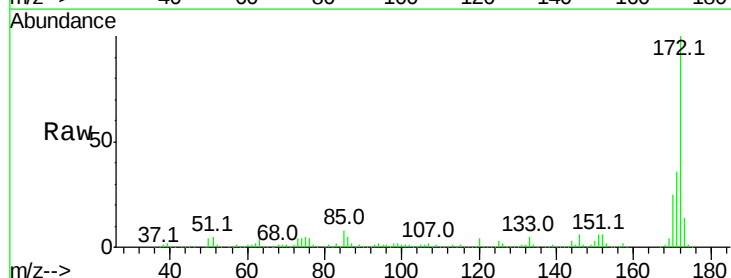


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

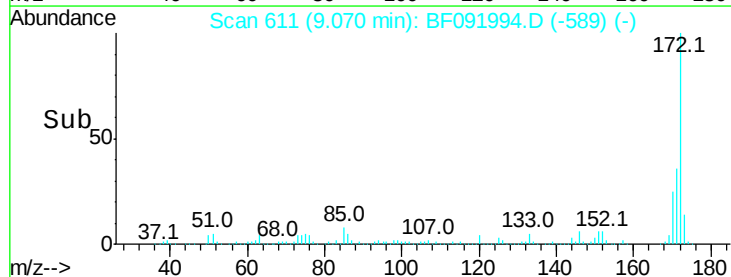
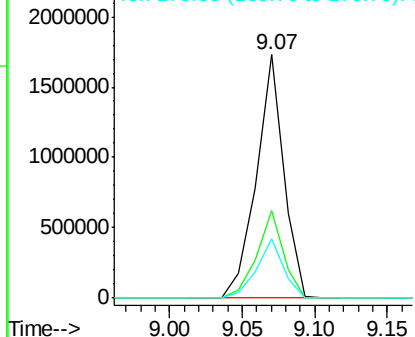


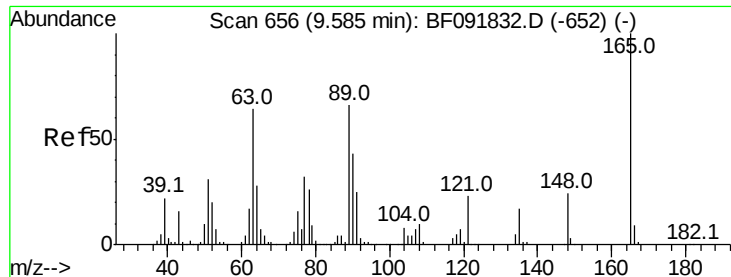
#44
 2-Fluorobiphenyl
 Concen: 83.59 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: BF091994.D
 Acq: 28 Dec 2016 15:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.5	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

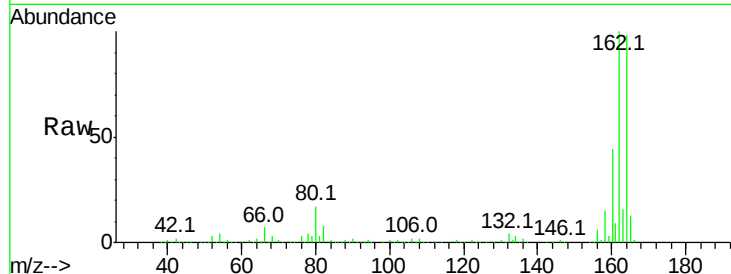




#50
 2,6-Dinitrotoluene
 Concen: 9.44 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.16 min
 Lab File: BF091994.D
 Acq: 28 Dec 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :

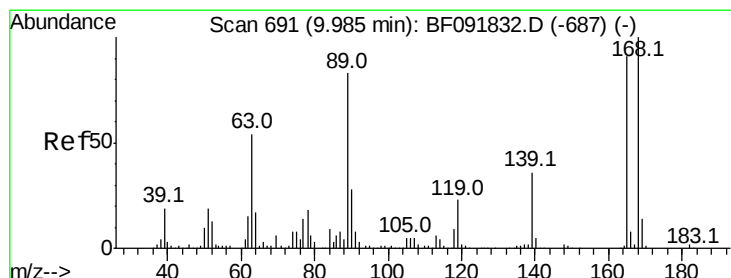
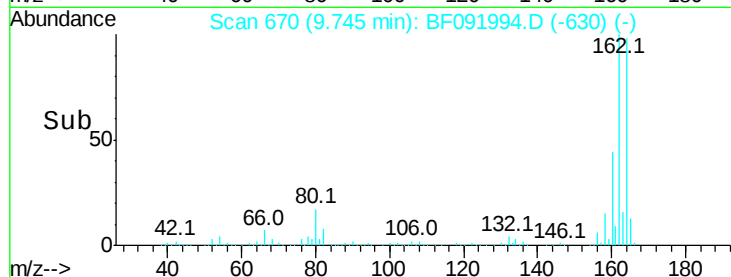
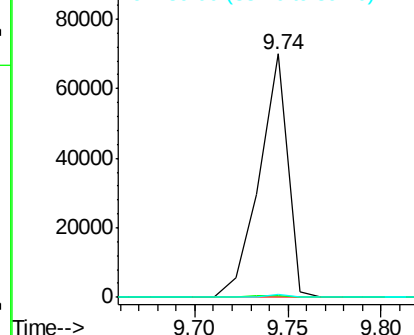
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.7	36.2	54.4#
89	1.0	40.2	60.4#



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: 7.52 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.24 min
 Lab File: BF091994.D
 Acq: 28 Dec 2016 15:09

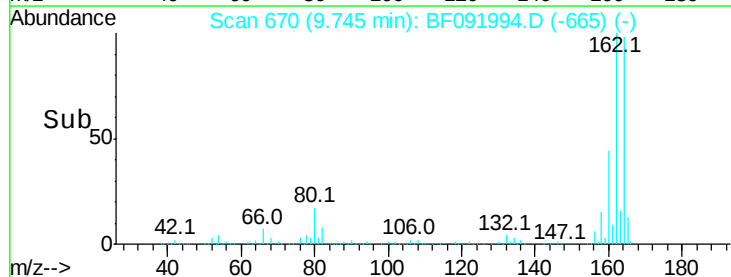
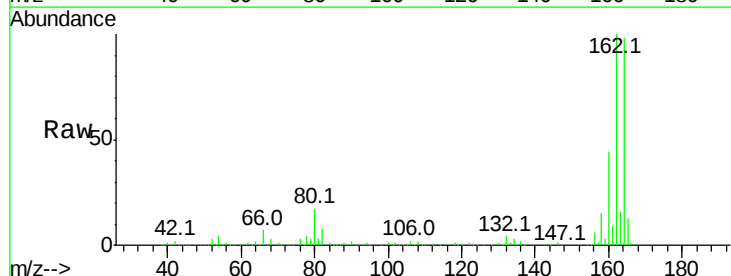
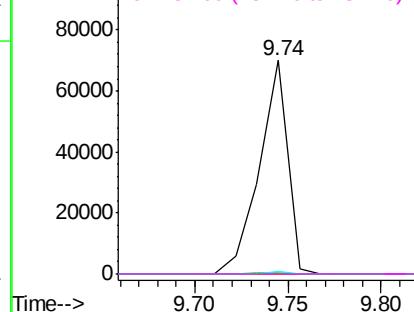
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

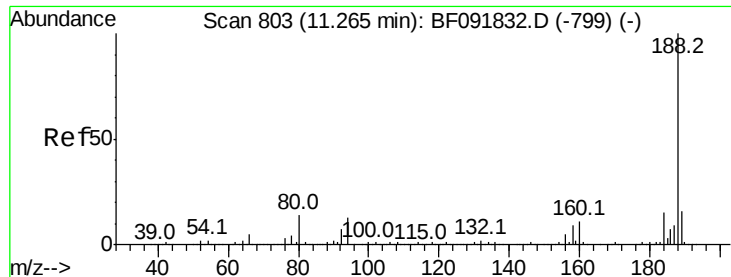
Abundance Ion 165.00 (164.70 to 165.70): E

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

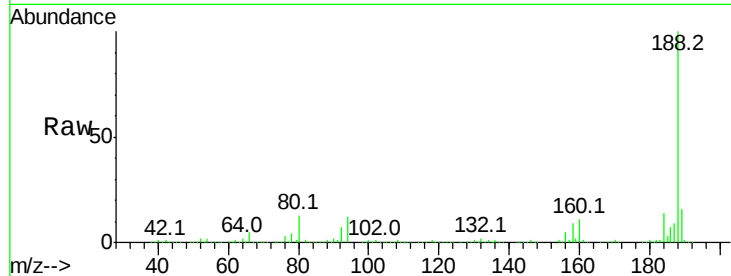




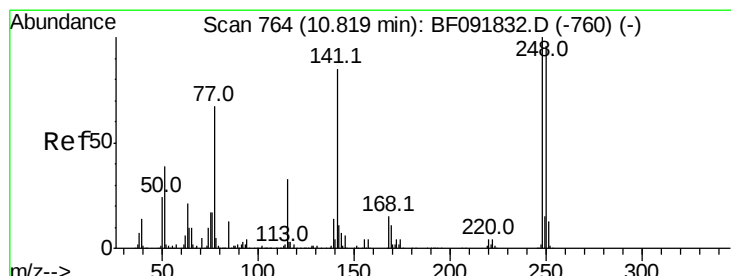
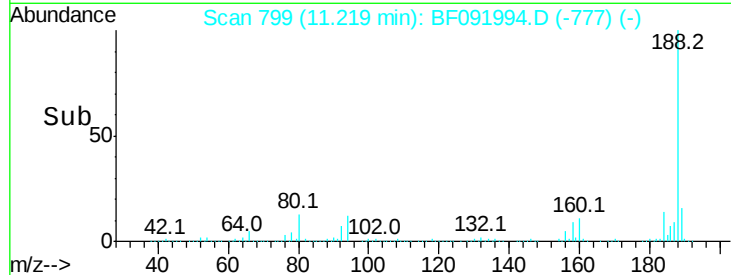
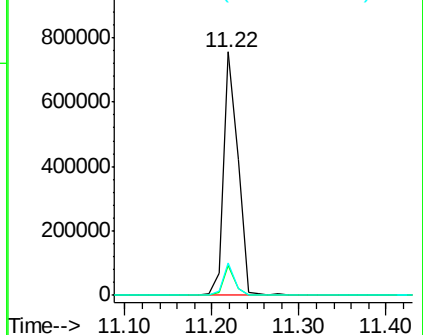
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF091994.D
Acq: 28 Dec 2016 15:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 874578
Ion Ratio Lower Upper
188 100
94 12.2 10.0 15.0
80 13.4 11.2 16.8

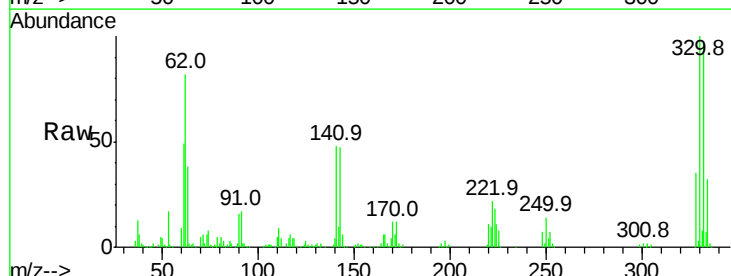


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

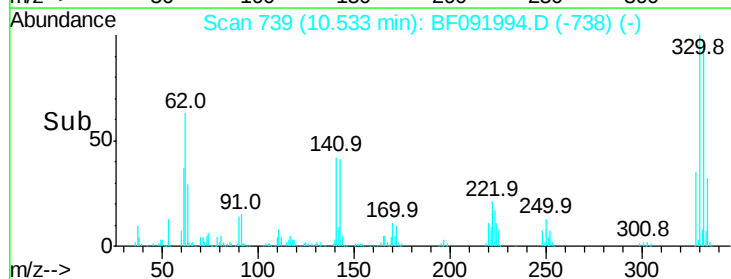
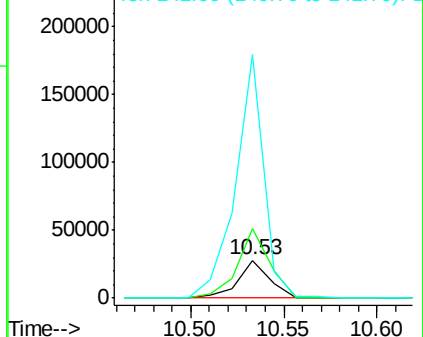


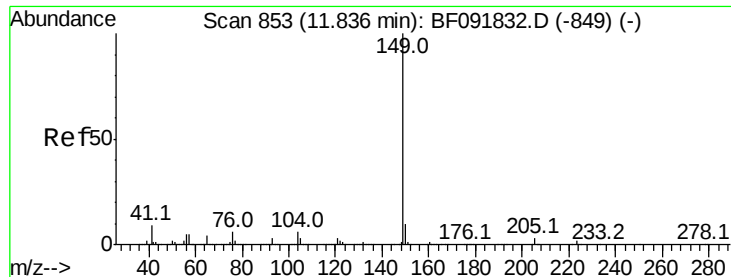
#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.29 min
Lab File: BF091994.D
Acq: 28 Dec 2016 15:09

Tgt Ion:248 Resp: 32512
Ion Ratio Lower Upper
248 100
250 184.3 76.9 115.3#
141 647.2 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: 11.79 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Instrument :

BNA_F

ClientSampleId :

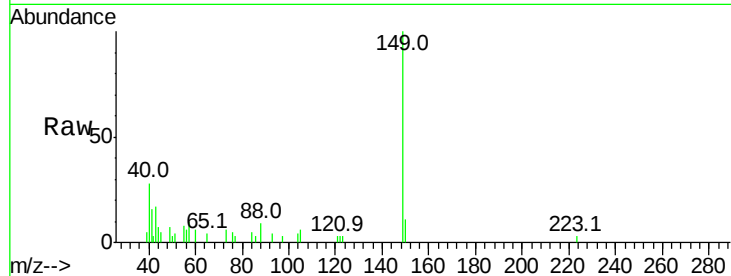
Tot Ion:149 Resp: 19767

Ion Ratio Lower Upper

149 100

150 11.3 8.1 12.1

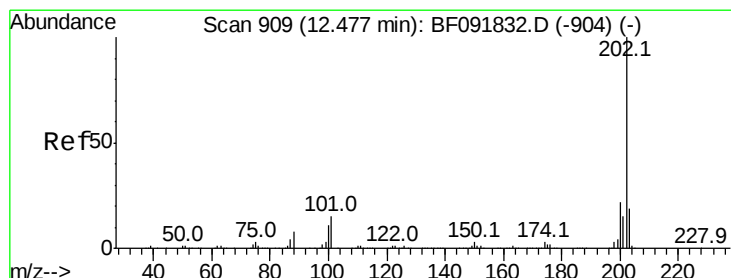
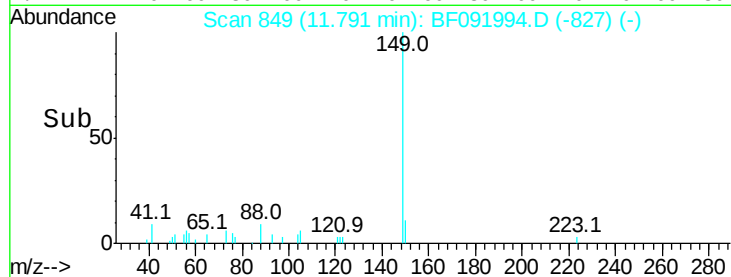
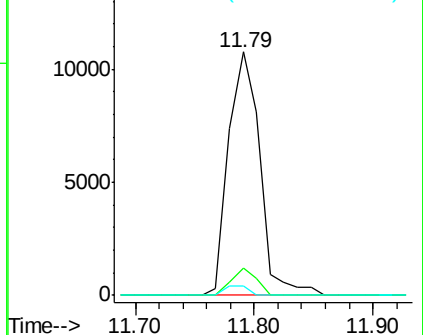
104 4.0 4.6 7.0#



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: 12.43 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

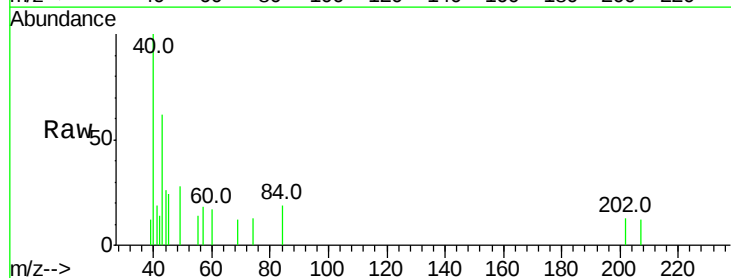
Tgt Ion:202 Resp: 257

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

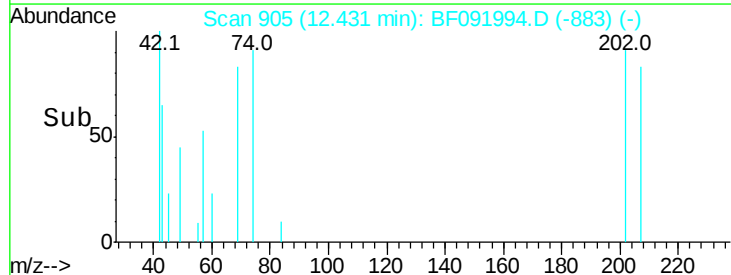
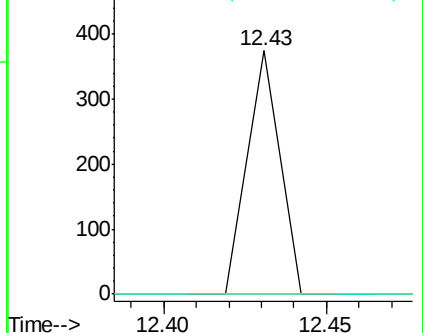
203 0.0 0.0 38.7

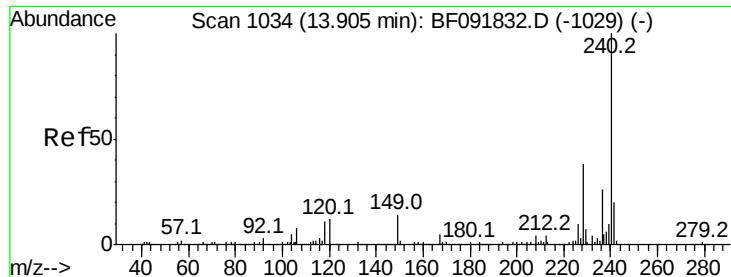


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

Instrument :

BNA_F

ClientSampleId :

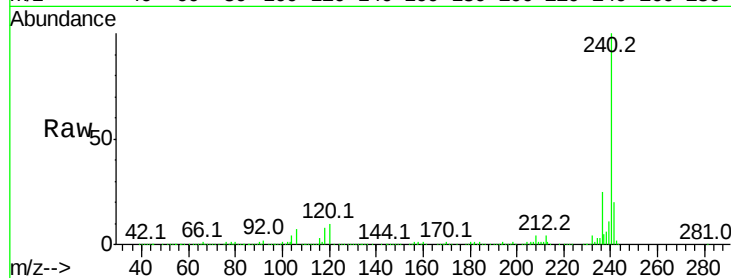
Tot Ion:240 Resp: 770365

Ion Ratio Lower Upper

240 100

120 9.6 12.9 19.3#

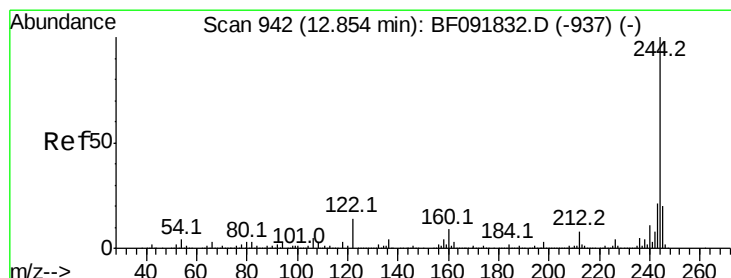
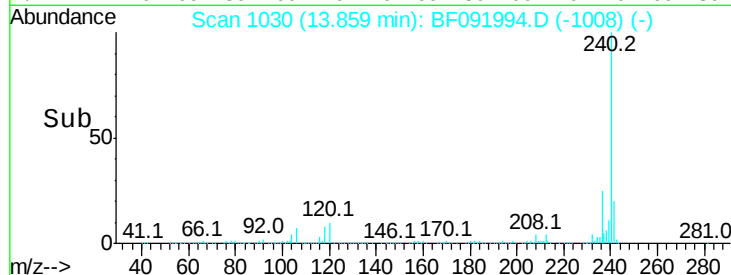
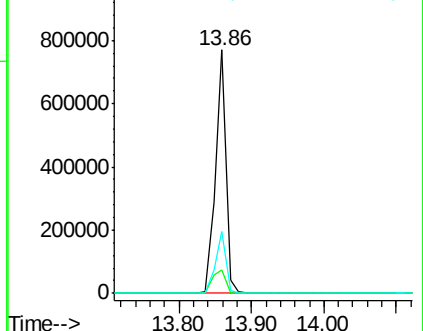
236 25.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 72.08 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF091994.D

Acq: 28 Dec 2016 15:09

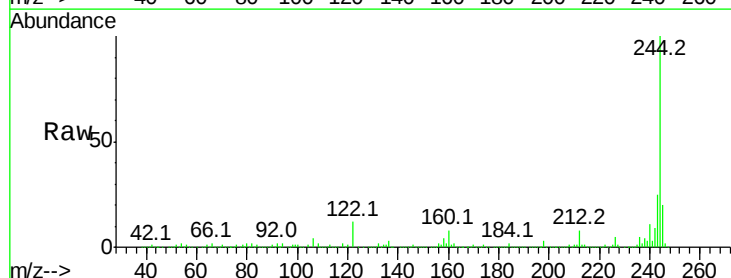
Tgt Ion:244 Resp: 2289703

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

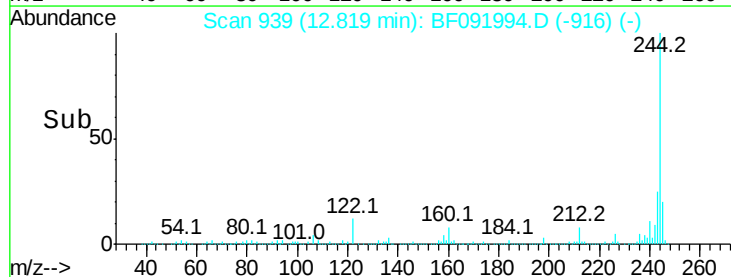
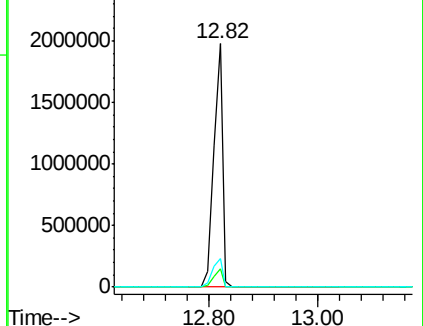
122 11.8 11.4 17.2

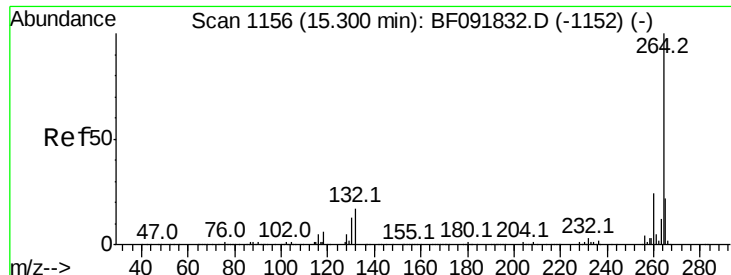


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

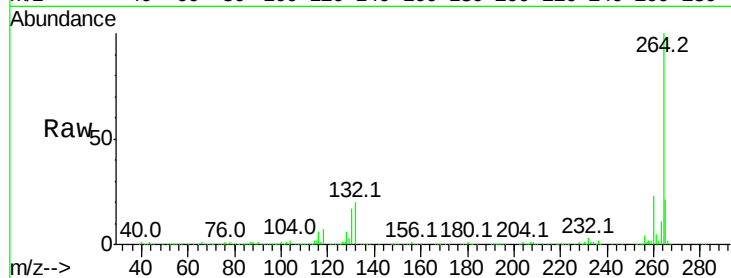




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF091994.D
Acq: 28 Dec 2016 15:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.4	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

