

Data Path : Z:\HPCHEM1\BNA F\Data\BF122816\
 Data File : BF091996.D
 Acq On : 28 Dec 2016 16:05
 Operator : UM/SJ
 Sample : H6226-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 16:33:10 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

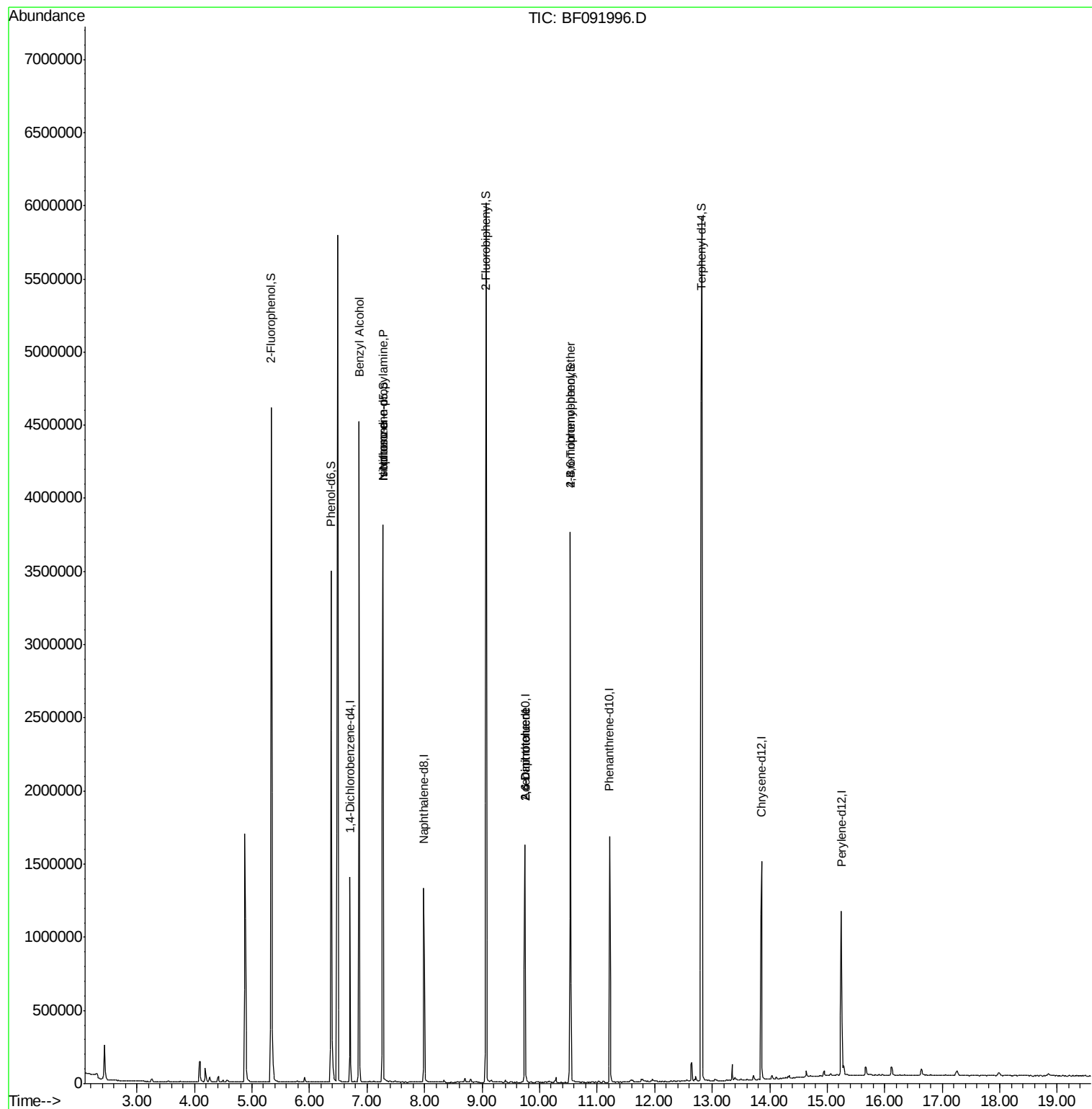
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	195748	20.00	ng	-0.05
21) Naphthalene-d8	7.98	136	800236	20.00	ng	-0.06
38) Acenaphthene-d10	9.74	164	412434	20.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	686804	20.00	ng	-0.05
75) Chrysene-d12	13.86	240	699748	20.00	ng	-0.05
86) Perylene-d12	15.24	264	498576	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1514669	129.20	ng	-0.01
7) Phenol-d6	6.37	99	1659390	115.94	ng	-0.03
23) Nitrobenzene-d5	7.28	82	1477313	102.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	462536	135.51	ng	-0.05
44) 2-Fluorobiphenyl	9.07	172	2067547	105.88	ng	-0.05
78) Terphenyl-d14	12.82	244	2587091	89.67	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	6.86	79	22987	2.07	ng	# 33
19) n-Nitroso-di-n-propylamine	7.28	70	197438	20.73	ng	# 74
25) Isophorone	7.28	82	1427824	53.78	ng	# 65
37) 2-Methylnaphthalene	8.80	142	10190	Below Cal		91
50) 2,6-Dinitrotoluene	9.74	165	53589	9.28	ng	# 30
56) 2,4-Dinitrotoluene	9.74	165	53589	7.40	ng	# 19
66) 4-Bromophenyl-phenylether	10.53	248	29614	4.15	ng	# 1
71) Anthracene	11.24	178	13401	Below Cal		99
73) Di-n-butylphthalate	11.79	149	11668	Below Cal		99
74) Fluoranthene	12.43	202	1191	Below Cal		61

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

Data Path : Z:\HPCHEM1\BNA F\Data\BF122816\
Data File : BF091996.D
Acq On : 28 Dec 2016 16:05
Operator : UM/SJ
Sample : H6226-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 28 16:33:10 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



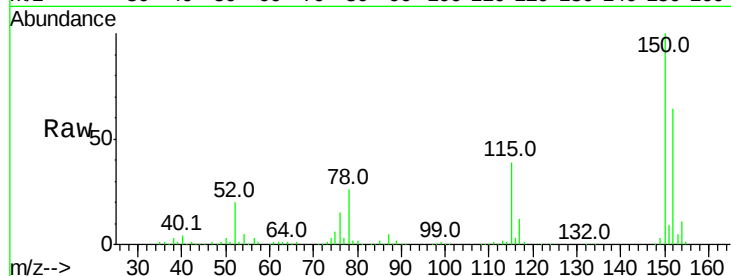


#1

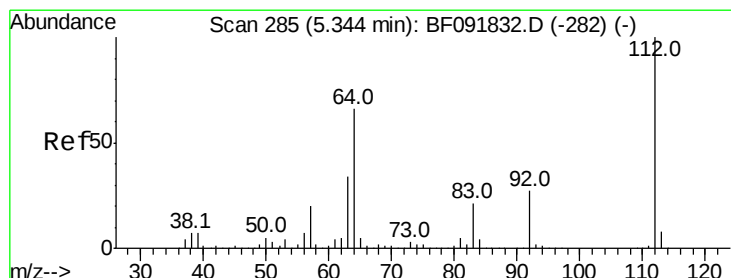
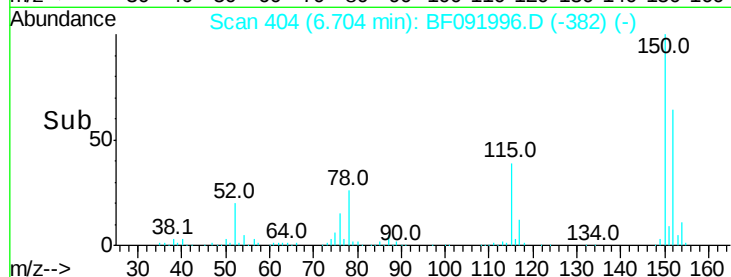
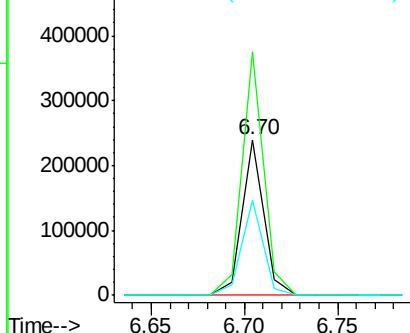
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.05 min
Lab File: BF091996.D
Acq: 28 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 195748
Ion Ratio Lower Upper
152 100
150 156.4 124.9 187.3
115 61.3 46.0 69.0



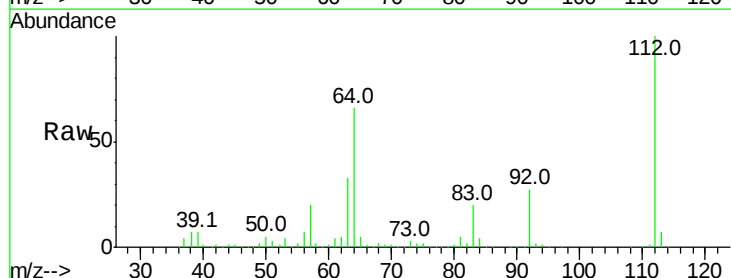
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



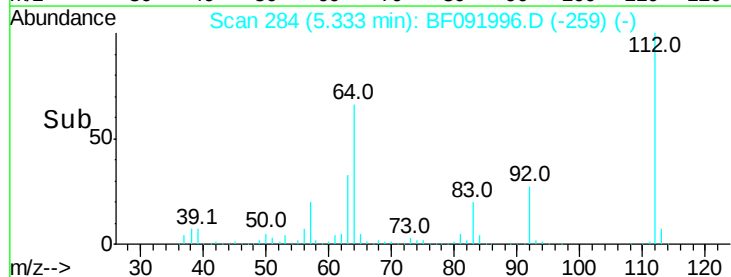
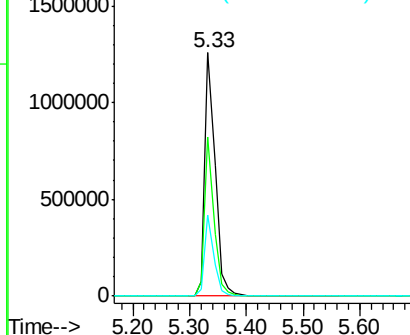
#5

2-Fluorophenol
Concen: 129.20 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.01 min
Lab File: BF091996.D
Acq: 28 Dec 2016 16:05

Tgt Ion:112 Resp: 1514669
Ion Ratio Lower Upper
112 100
64 65.6 46.1 69.1
63 33.4 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: 115.94 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

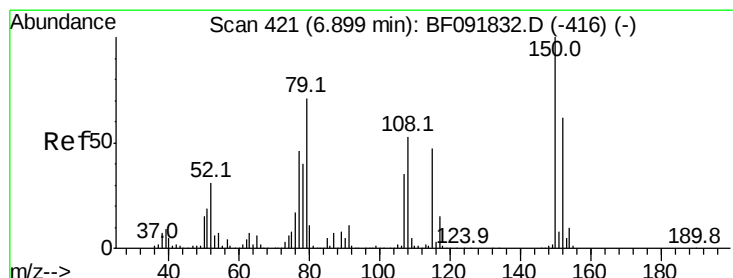
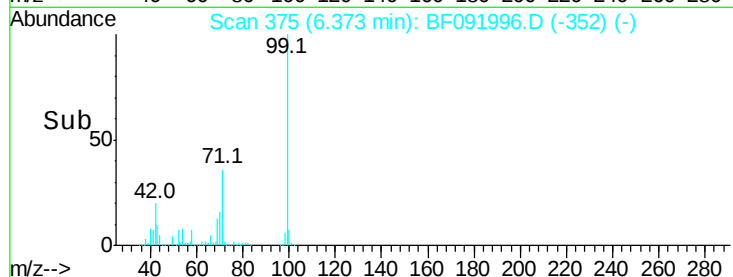
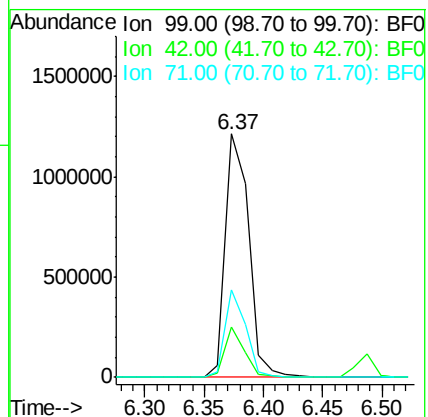
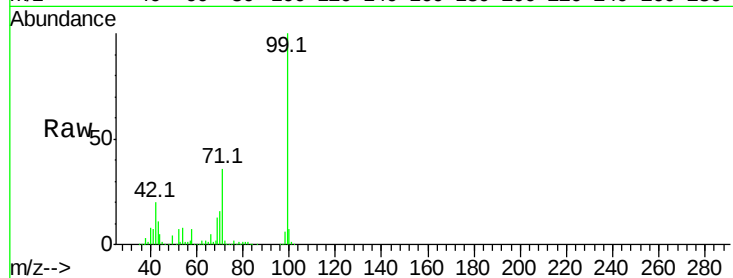
Tot Ion: 99 Resp: 1659390

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

71 35.7 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

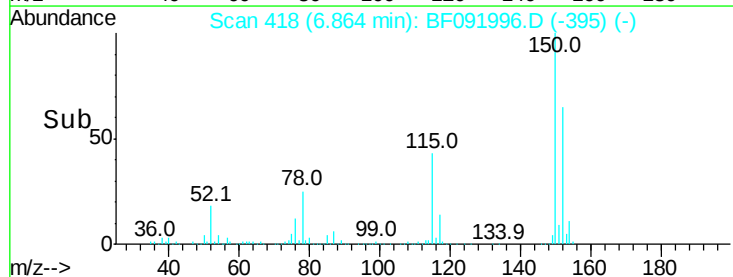
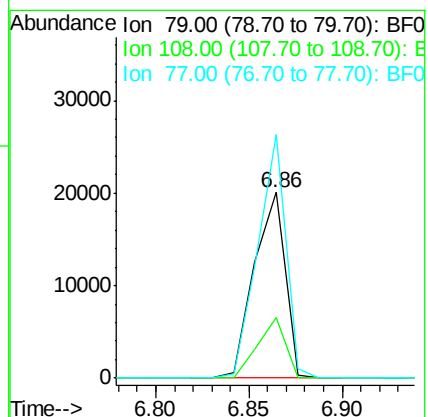
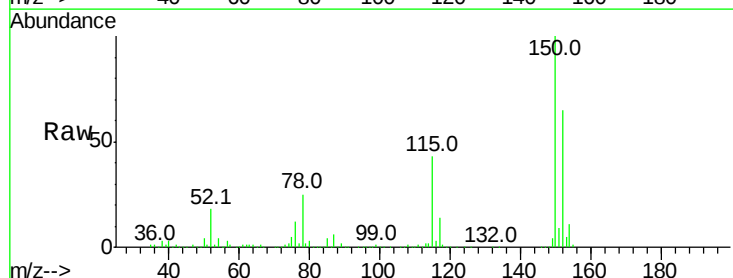
Tgt Ion: 79 Resp: 22987

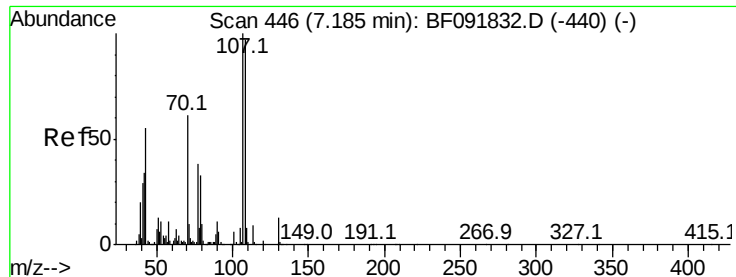
Ion Ratio Lower Upper

79 100

108 32.9 61.4 92.0#

77 131.2 50.9 76.3#





#19

n-Nitroso-di-n-propylamine

Concen: 20.73 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.09 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 197438

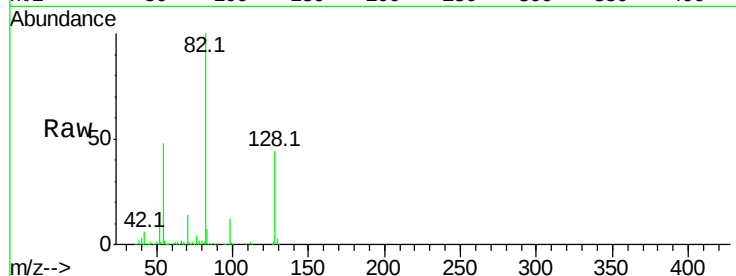
Ion Ratio Lower Upper

70 100

42 43.8 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

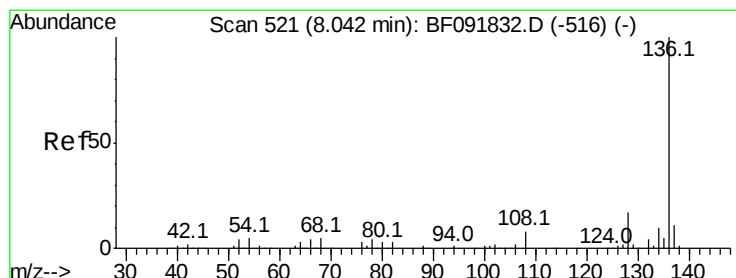
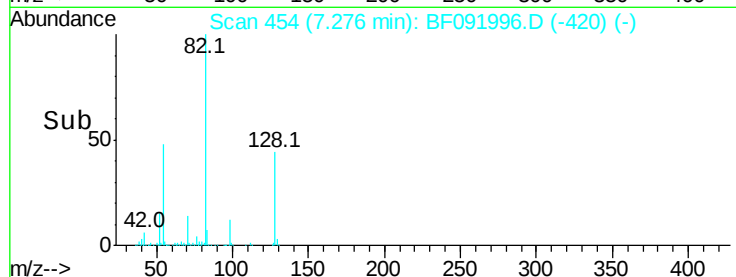
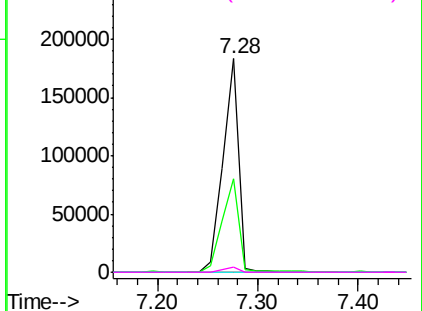


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 516

Delta R.T. -0.06 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Tgt Ion: 136 Resp: 800236

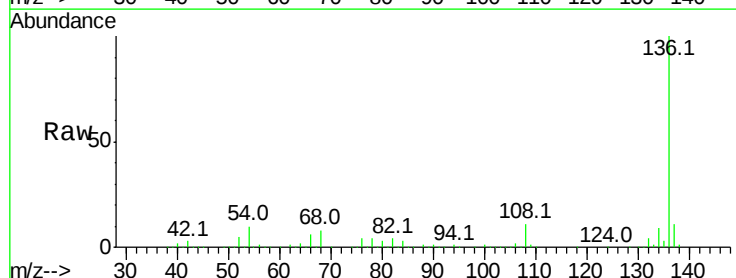
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 9.8 4.5 6.7#

68 7.7 3.6 5.4#

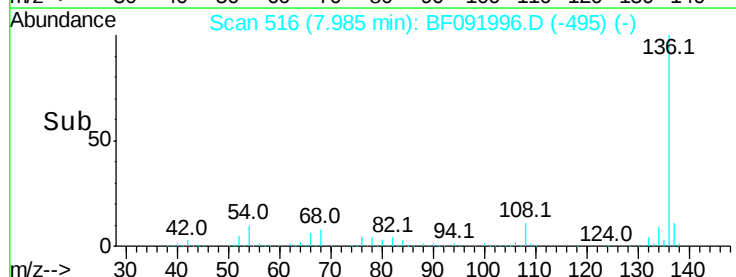
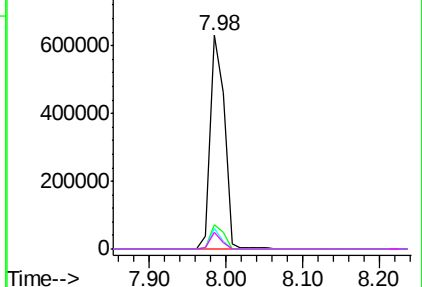


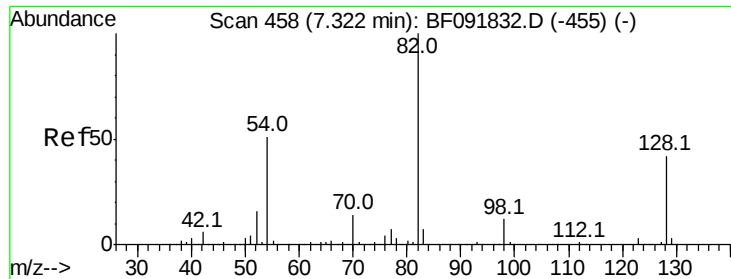
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 102.65 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.05 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :
BNA_F
ClientSampled :

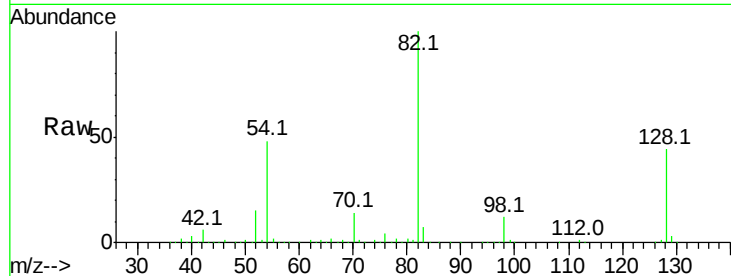
Tot Ion: 82 Resp: 1477313

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	52.0
54	48.4	39.5	59.3

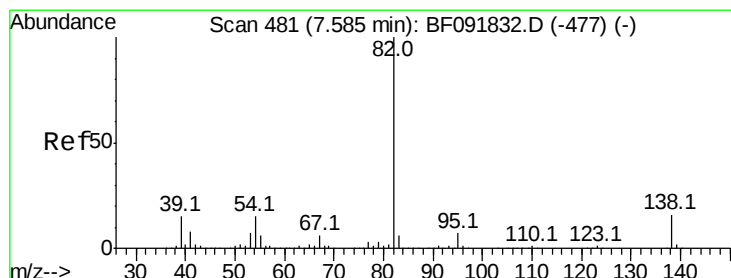
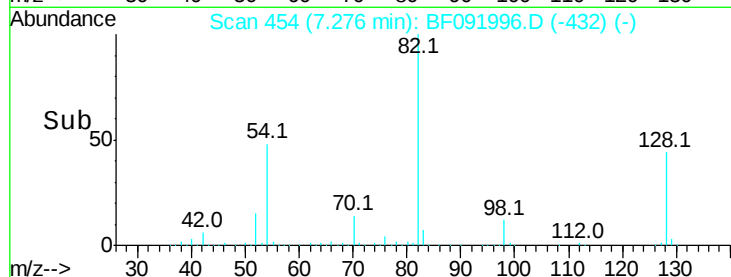
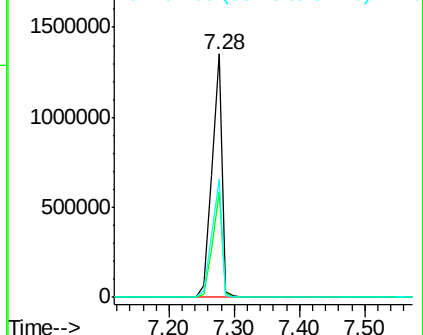
82 100

128 43.5 34.6 52.0

54 48.4 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: 53.78 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.31 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

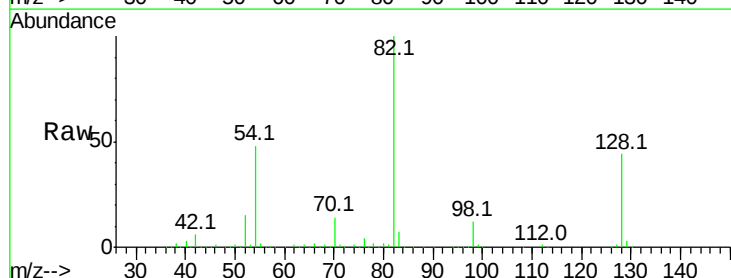
Tgt Ion: 82 Resp: 1427824

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

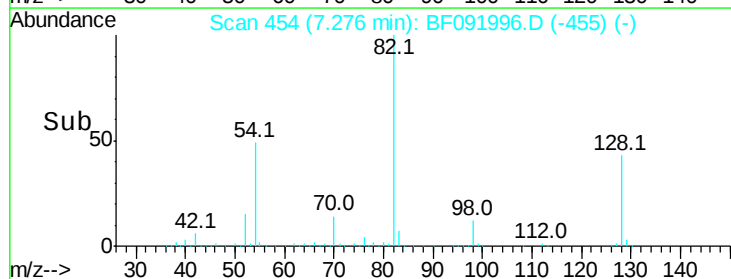
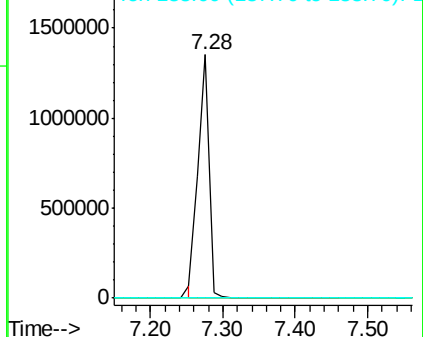
82 100

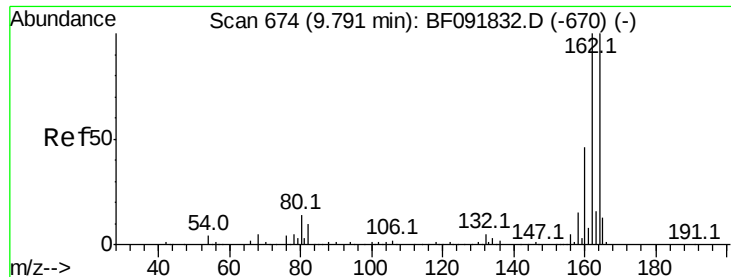
95 0.0 5.6 8.4#

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: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampled :

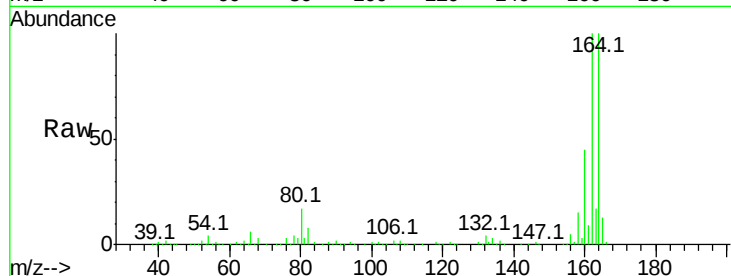
Tot Ion:164 Resp: 412434

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

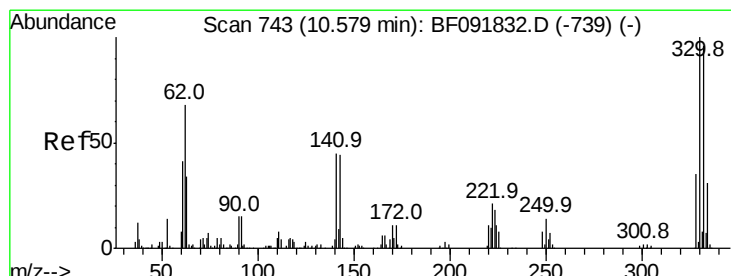
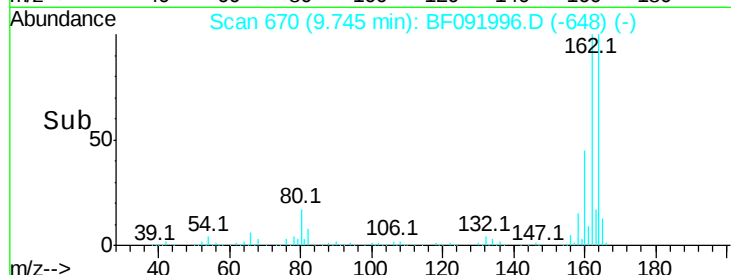
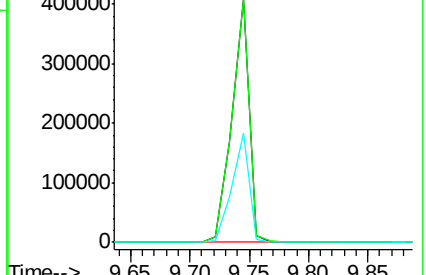
160 44.8 36.9 55.3



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: 135.51 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.05 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

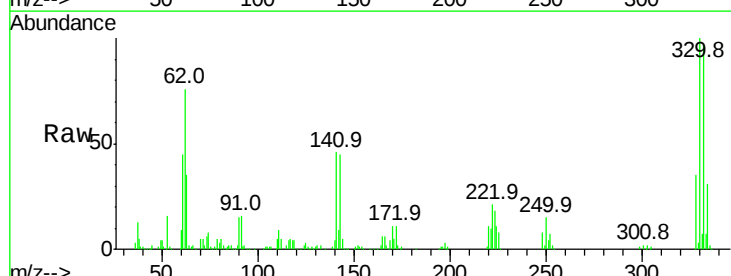
Tgt Ion:330 Resp: 462536

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

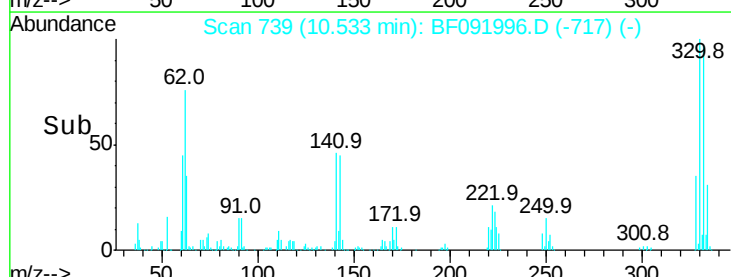
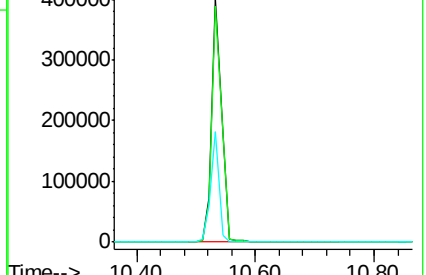
141 38.8 34.1 51.1

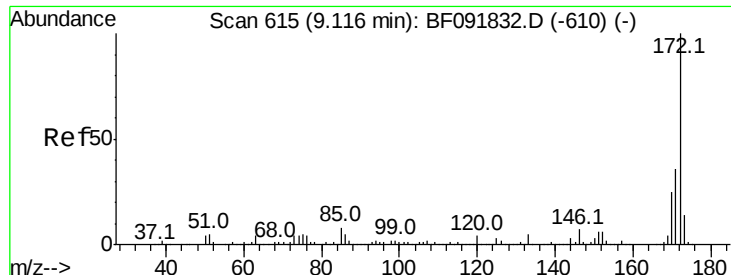


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



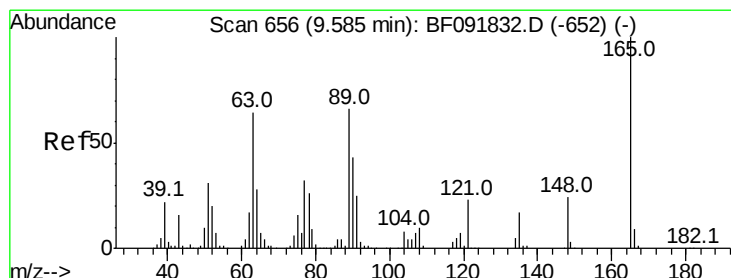
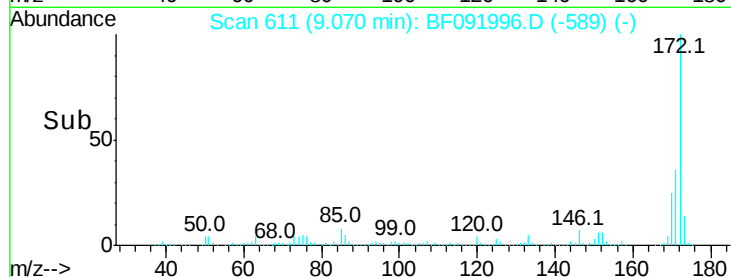
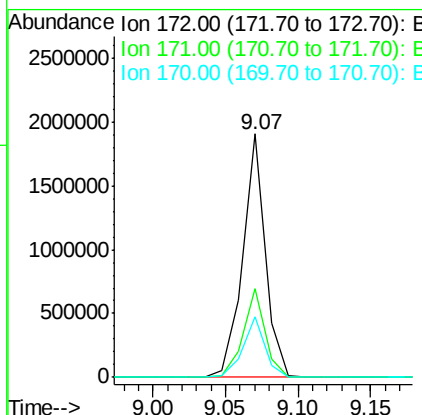
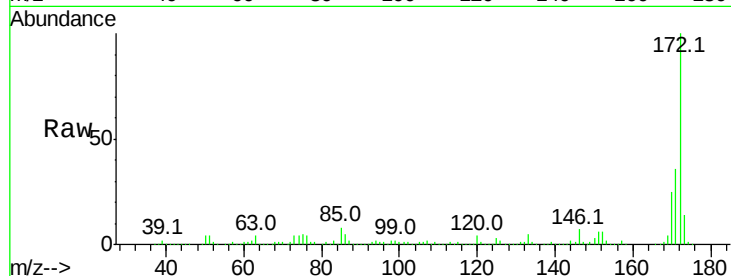


#44
 2-Fluorobiphenyl
 Concen: 105.88 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: BF091996.D
 Acq: 28 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2067547

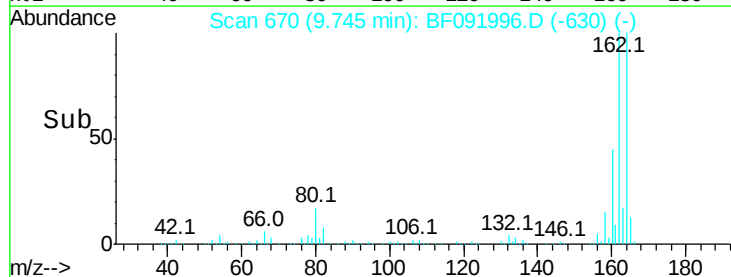
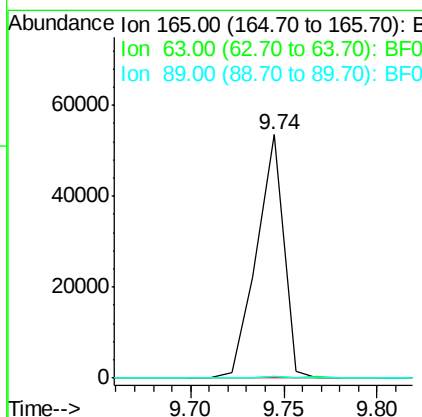
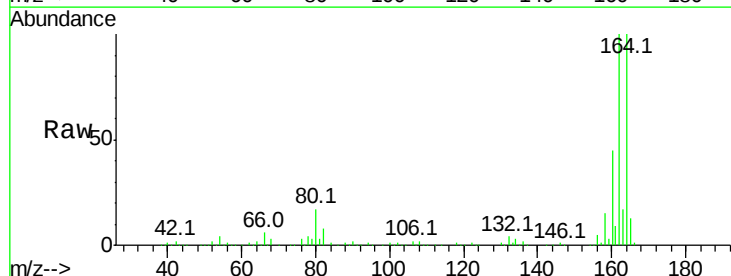
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	25.0	20.2	30.4

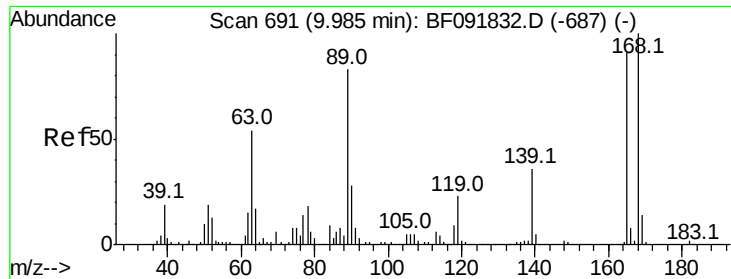


#50
 2,6-Dinitrotoluene
 Concen: 9.28 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.16 min
 Lab File: BF091996.D
 Acq: 28 Dec 2016 16:05

Tgt Ion:165 Resp: 53589

Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.2	54.4#
89	0.7	40.2	60.4#





#56

2,4-Dinitrotoluene

Concen: 7.40 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.24 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 53589

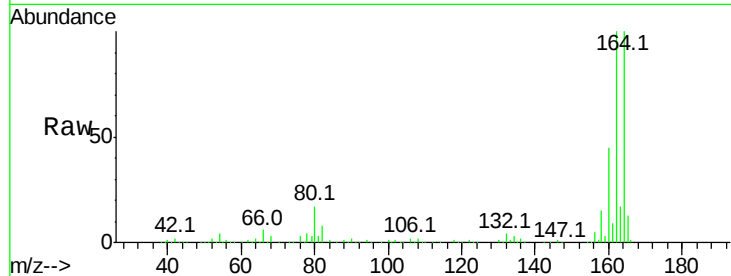
Ion Ratio Lower Upper

165 100

63 0.8 40.2 60.4#

89 0.7 62.5 93.7#

182 0.0 1.8 2.8#

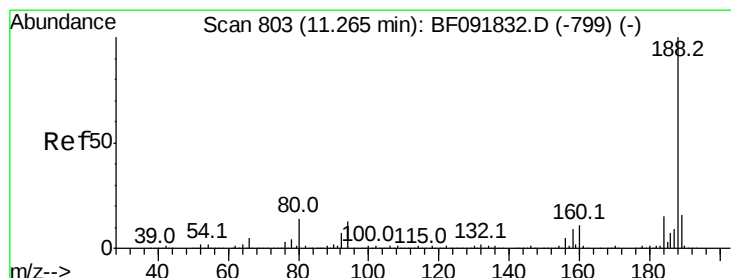
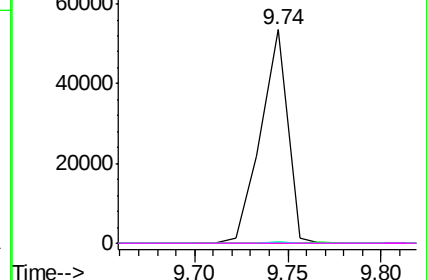
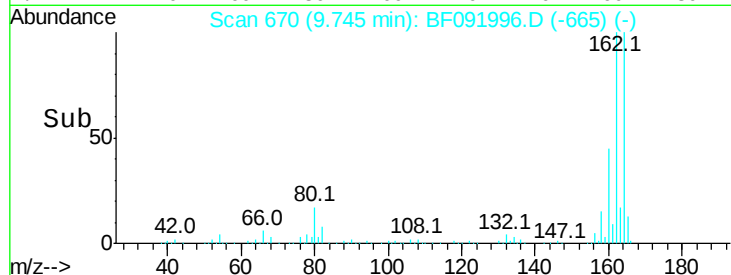


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF091996.D

Acq: 28 Dec 2016 16:05

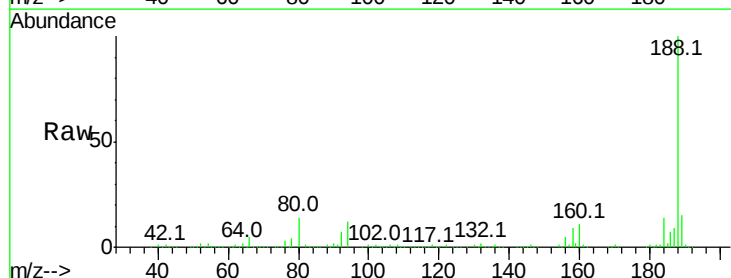
Tgt Ion:188 Resp: 686804

Ion Ratio Lower Upper

188 100

94 12.5 10.0 15.0

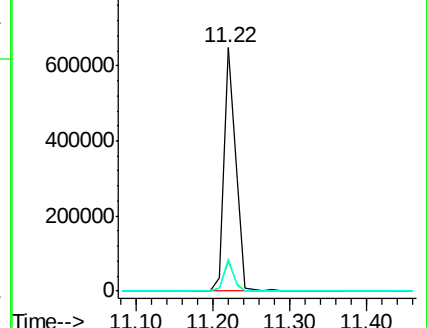
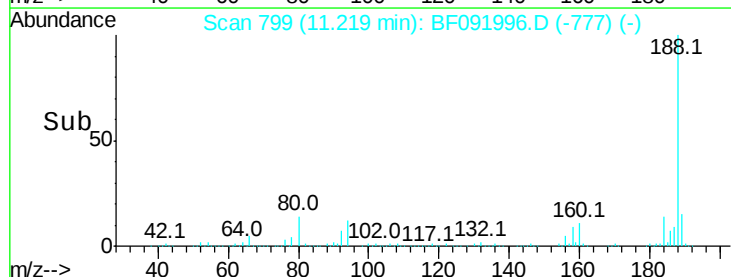
80 13.6 11.2 16.8

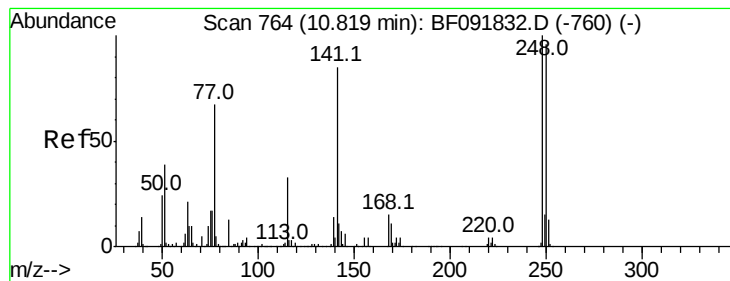


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.15 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.29 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampled :

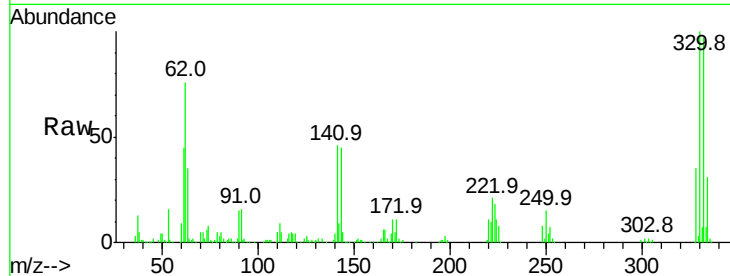
Tot Ion:248 Resp: 29614

Ion Ratio Lower Upper

248 100

250 194.5 76.9 115.3#

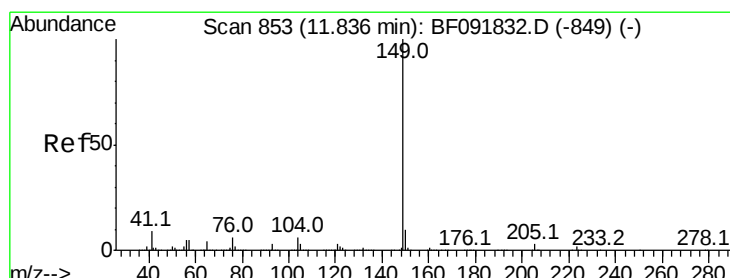
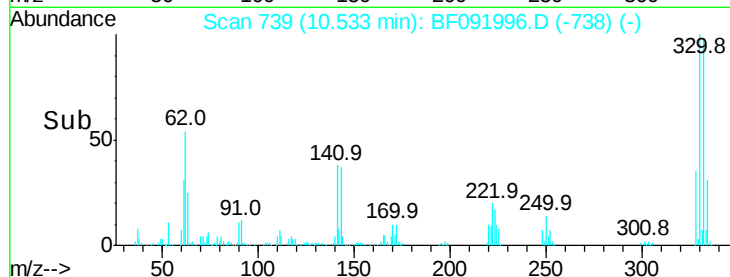
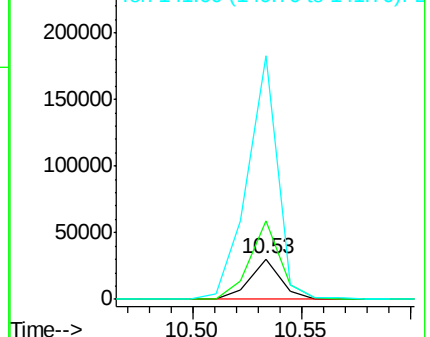
141 603.0 68.2 102.4#



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: BF091996.D

Acq: 28 Dec 2016 16:05

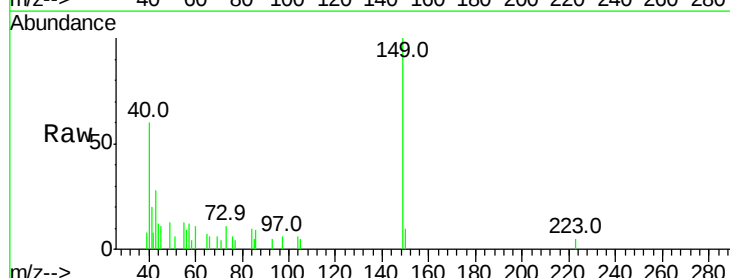
Tgt Ion:149 Resp: 11668

Ion Ratio Lower Upper

149 100

150 10.2 8.1 12.1

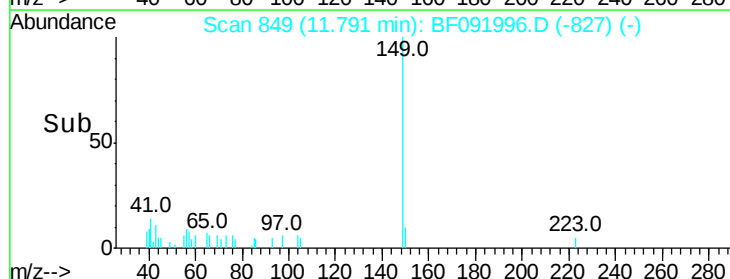
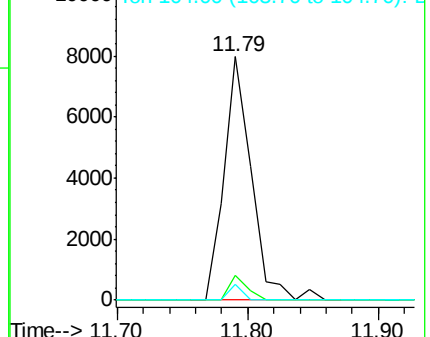
104 6.4 4.6 7.0

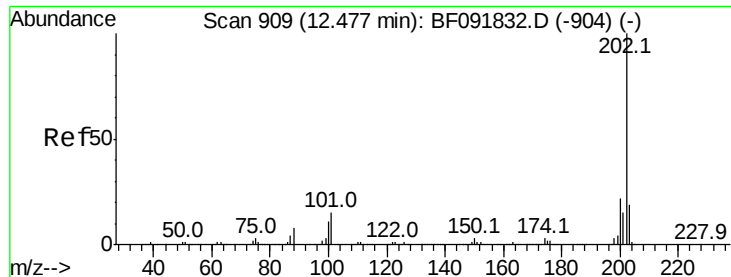


Abundance Ion 149.00 (148.70 to 149.70): E

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: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

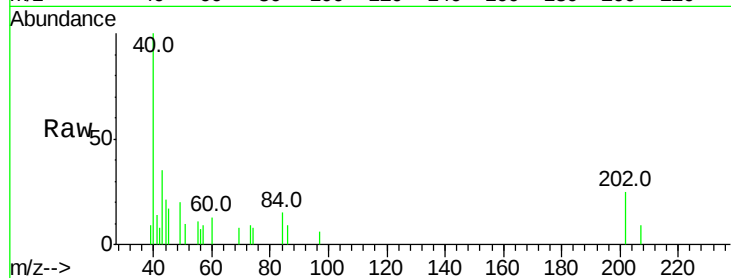
Tot Ion:202 Resp: 1191

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

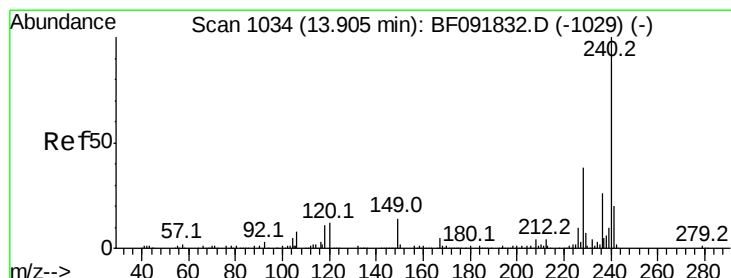
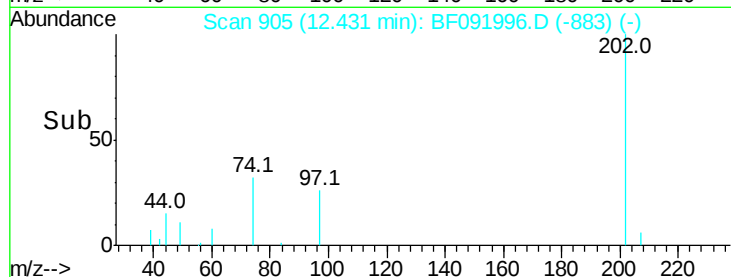
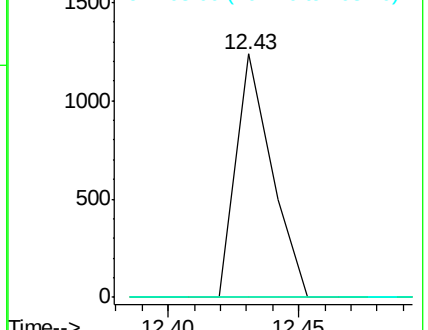
203 0.0 0.0 38.7



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: BF091996.D

Acq: 28 Dec 2016 16:05

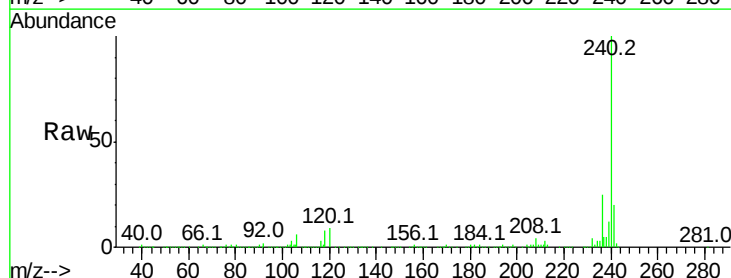
Tgt Ion:240 Resp: 699748

Ion Ratio Lower Upper

240 100

120 8.8 12.9 19.3#

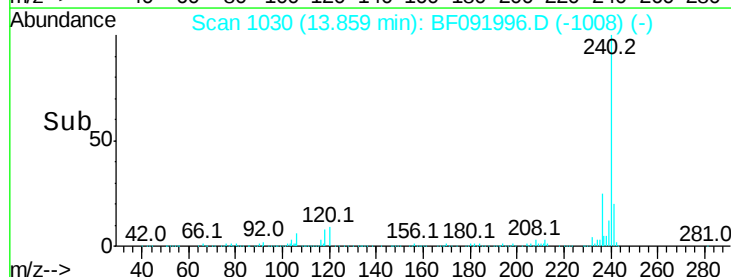
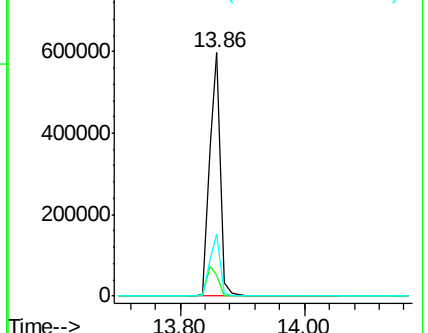
236 25.4 20.9 31.3

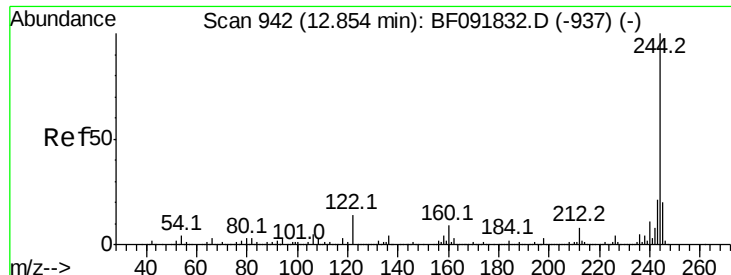


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 89.67 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

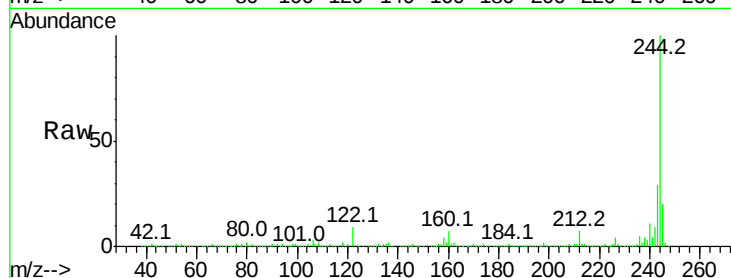
Tot Ion:244 Resp: 2587091

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

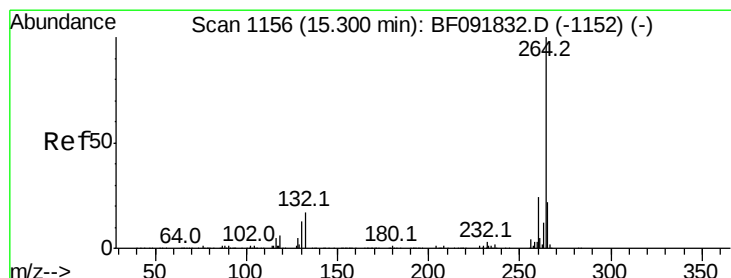
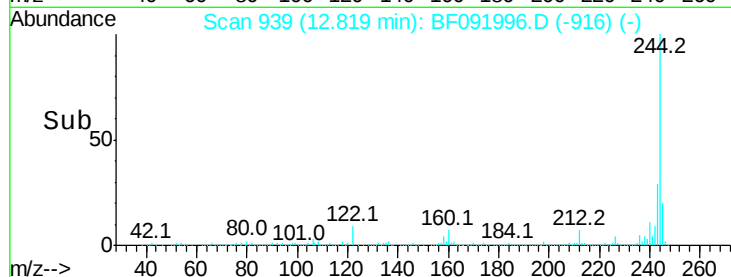
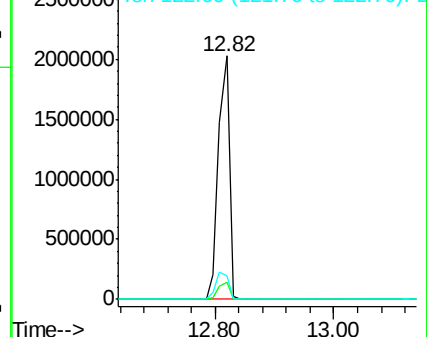
122 9.5 11.4 17.2#



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: 15.24 min Scan# 1151

Delta R.T. -0.06 min

Lab File: BF091996.D

Acq: 28 Dec 2016 16:05

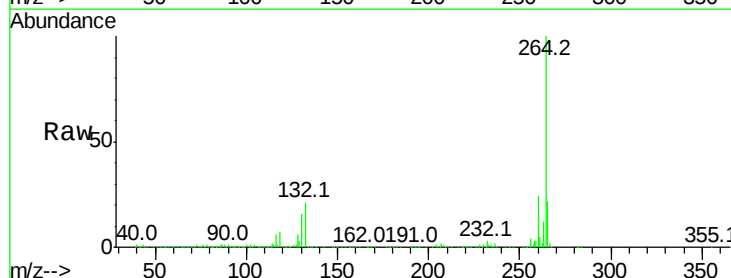
Tgt Ion:264 Resp: 498576

Ion Ratio Lower Upper

264 100

260 23.6 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

