

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087221.D
 Acq On : 20 May 2016 9:32
 Operator : UM/SJ
 Sample : H3121-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 14:38:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

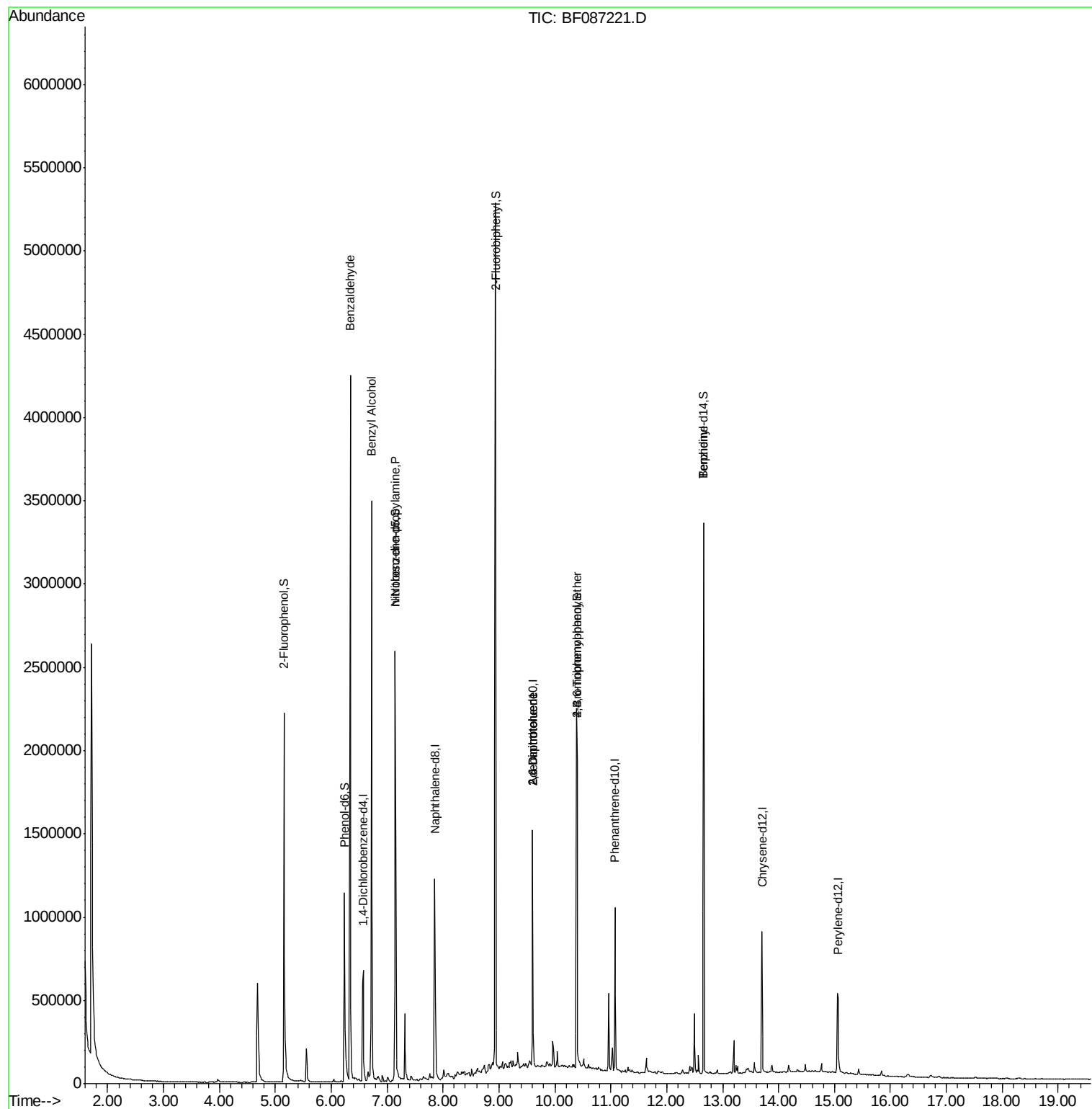
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	137733	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	555532	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	248791	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	383082	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	278516	20.00	ng	-0.06
86) Perylene-d12	15.06	264	252748	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	630902	76.99	ng	-0.05
7) Phenol-d6	6.24	99	531557	48.37	ng	-0.05
23) Nitrobenzene-d5	7.14	82	1028787	92.30	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	396528	144.23	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1540794	102.57	ng	-0.05
78) Terphenyl-d14	12.66	244	956904	77.72	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	30952	3.92	ng	# 79
15) Benzyl Alcohol	6.72	79	17892	2.19	ng	# 43
19) n-Nitroso-di-n-propylamine	7.14	70	147669	17.68	ng	# 72
50) 2,6-Dinitrotoluene	9.60	165	32787	7.96	ng	# 21
55) 4-Nitrophenol	9.79	139	370	Below Cal		# 1
56) 2,4-Dinitrotoluene	9.60	165	32782	6.21	ng	# 17
66) 4-Bromophenyl-phenylether	10.40	248	22074	5.60	ng	# 1
76) Benzydine	12.66	184	16629	2.54	ng	96

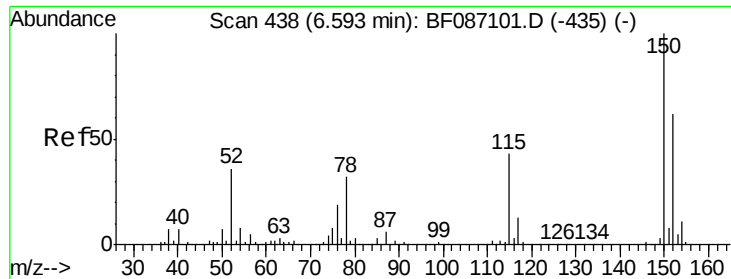
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

Instrument :

BNA_F

ClientSampled :

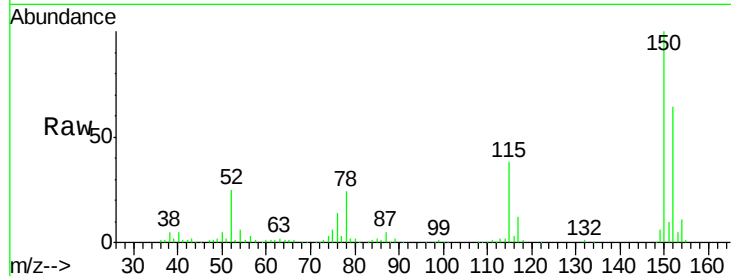
Tot Ion:152 Resp: 137733

Ion Ratio Lower Upper

152 100

150 155.9 125.8 188.6

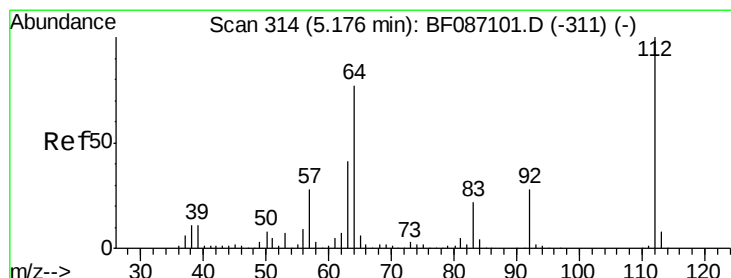
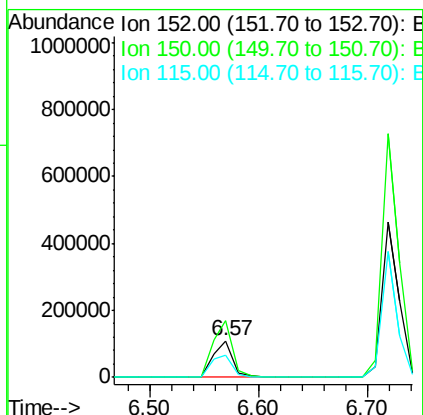
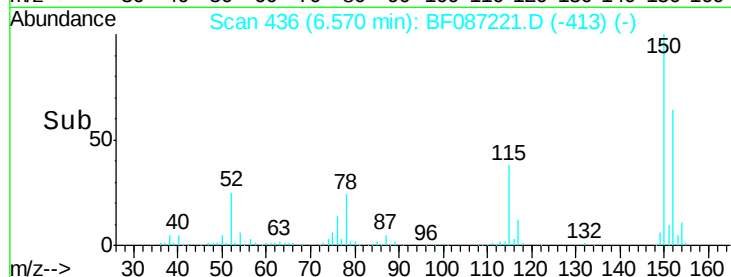
115 59.0 51.5 77.3



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: 76.99 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

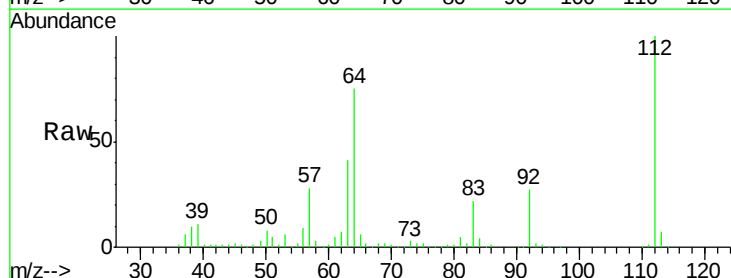
Tgt Ion:112 Resp: 630902

Ion Ratio Lower Upper

112 100

64 74.7 52.1 78.1

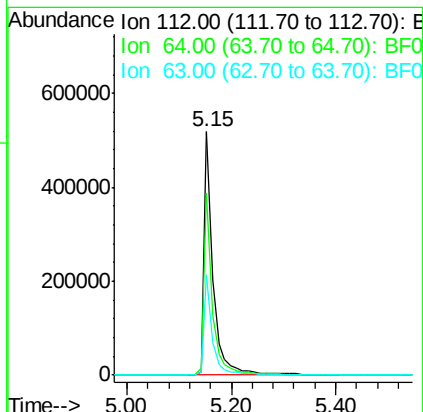
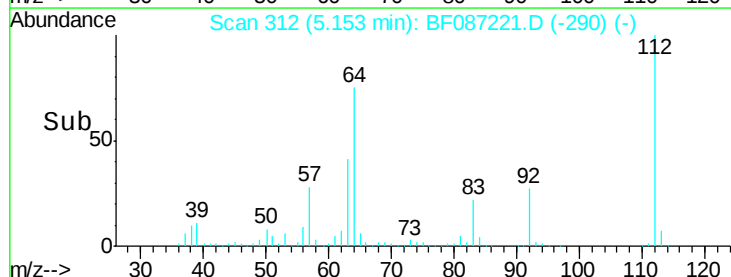
63 41.0 25.7 38.5#

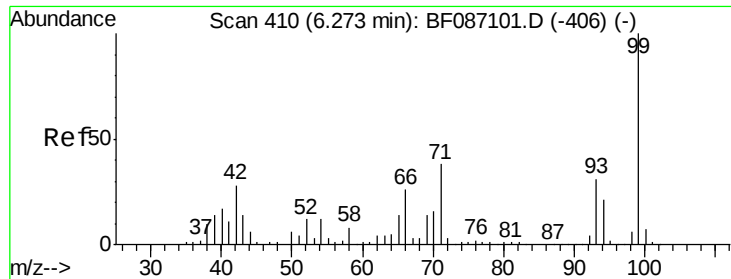


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.37 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

Instrument :

BNA_F

ClientSampled :

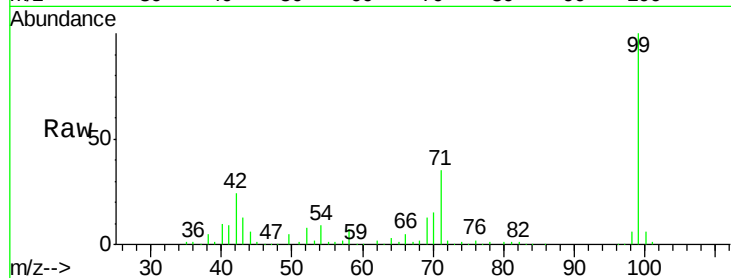
Tot Ion: 99 Resp: 531557

Ion Ratio Lower Upper

99 100

42 24.5 13.6 20.4#

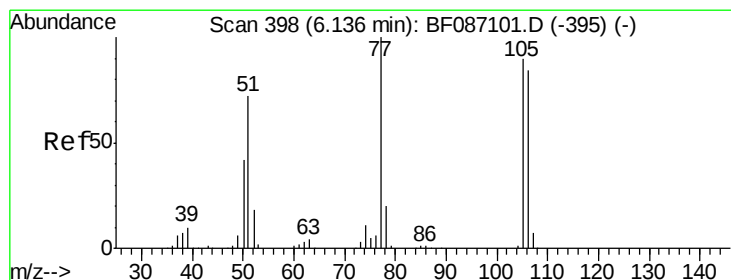
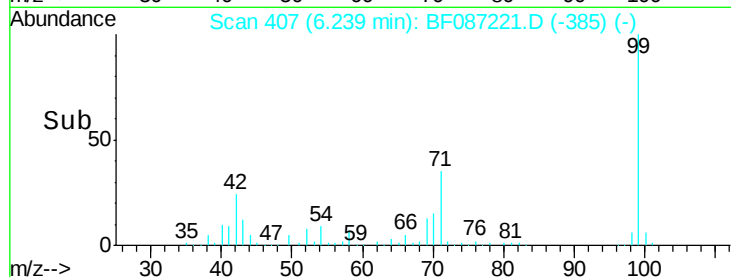
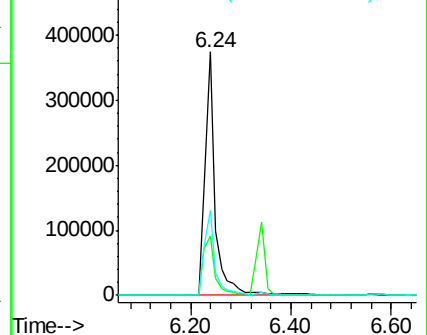
71 34.7 24.6 36.8



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



#9

Benzaldehyde

Concen: 3.92 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

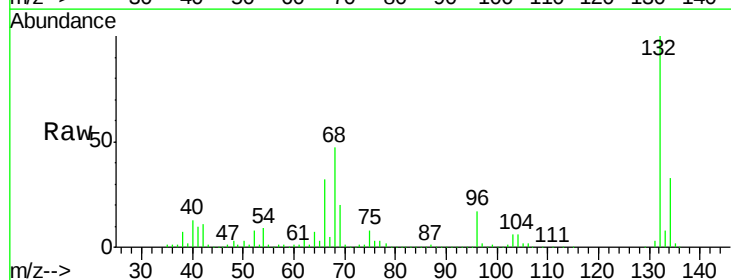
Tgt Ion: 77 Resp: 30952

Ion Ratio Lower Upper

77 100

105 75.0 72.7 112.7

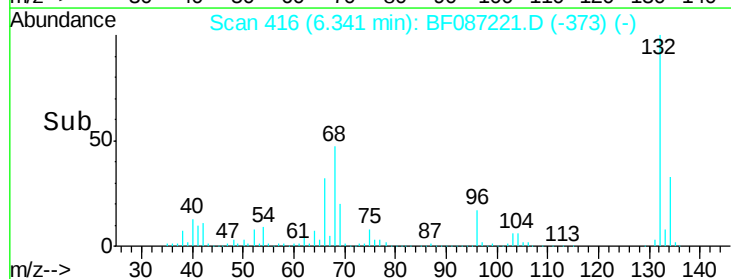
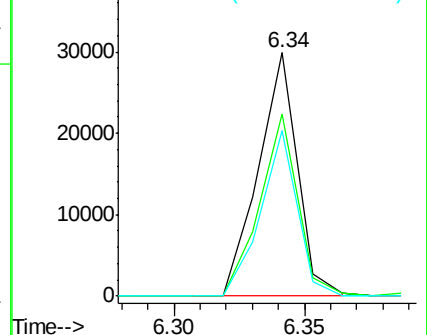
106 68.2 70.8 110.8#

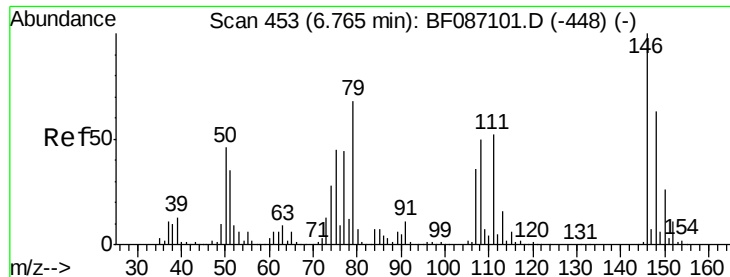


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.06 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

Instrument :

BNA_F

ClientSampled :

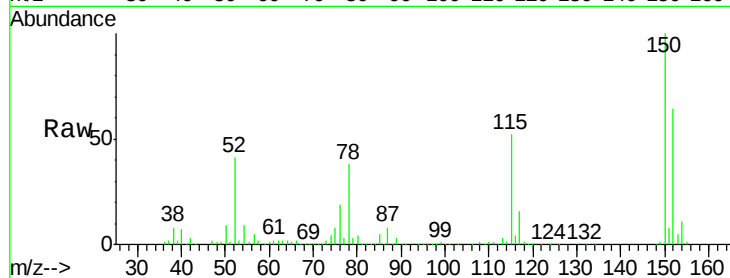
Tot Ion: 79 Resp: 17892

Ion Ratio Lower Upper

79 100

108 28.3 68.4 102.6#

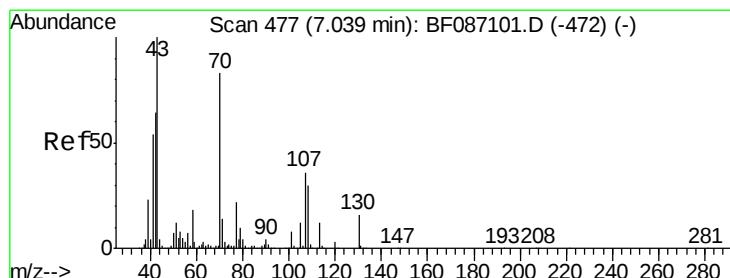
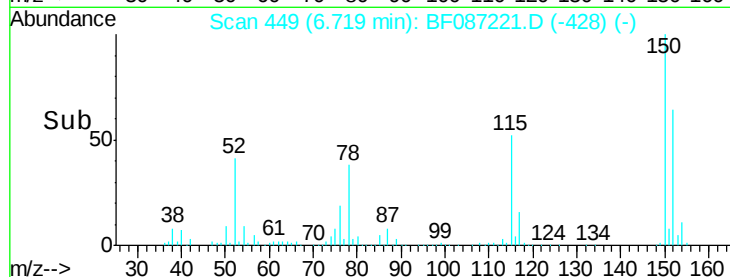
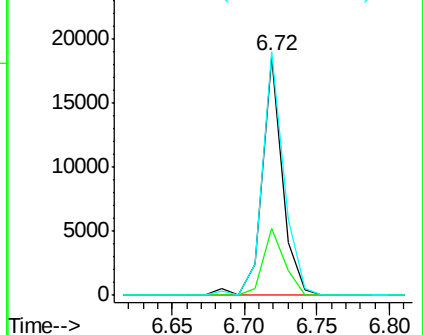
77 102.0 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.68 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

Tgt Ion: 70 Resp: 147669

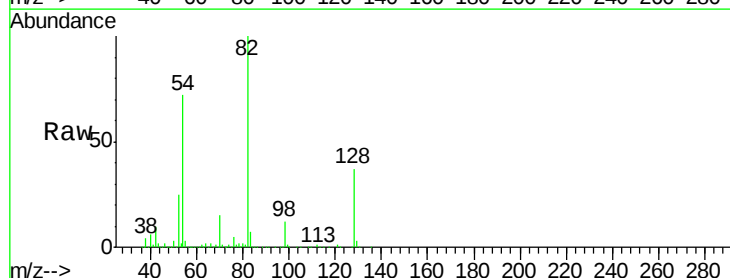
Ion Ratio Lower Upper

70 100

42 68.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

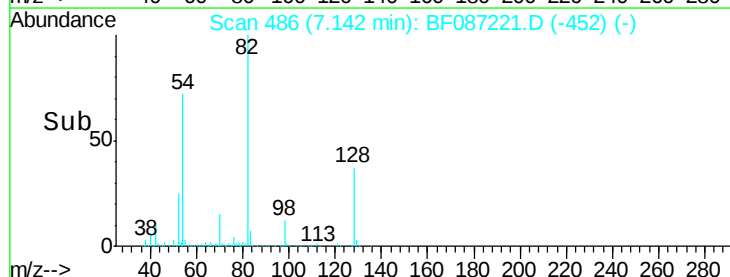
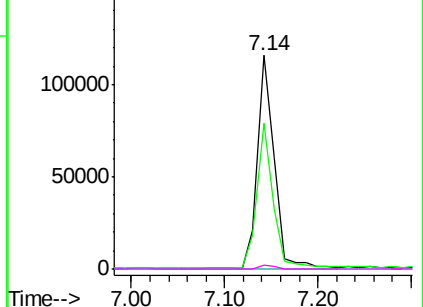


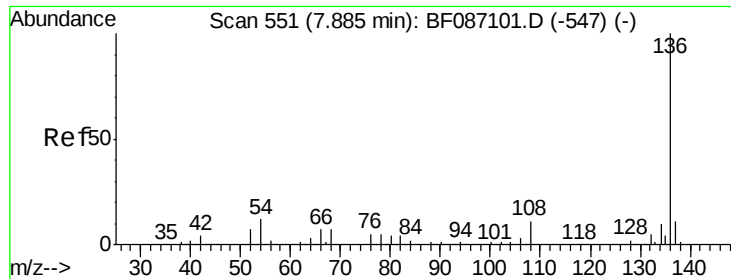
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

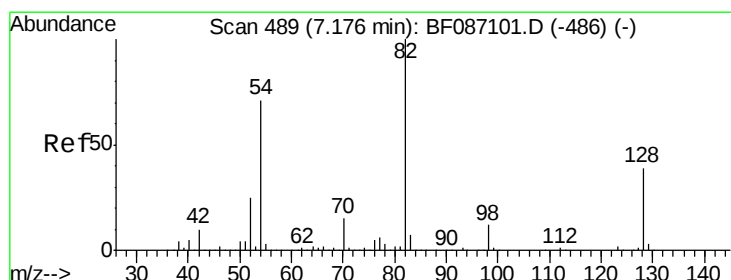
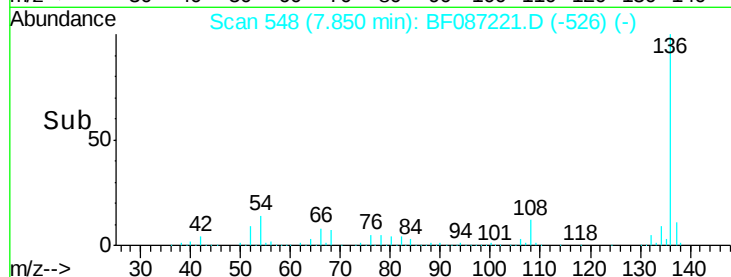
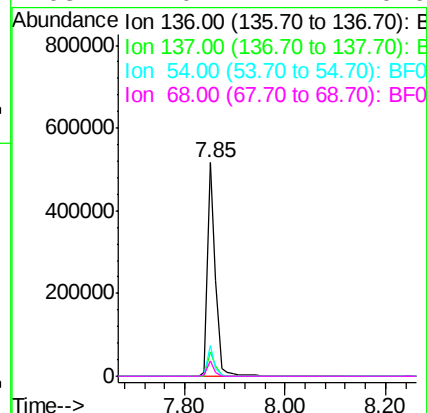
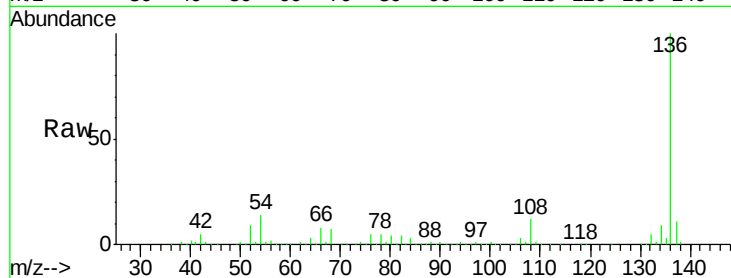




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087221.D
Acq: 20 May 2016 9:32

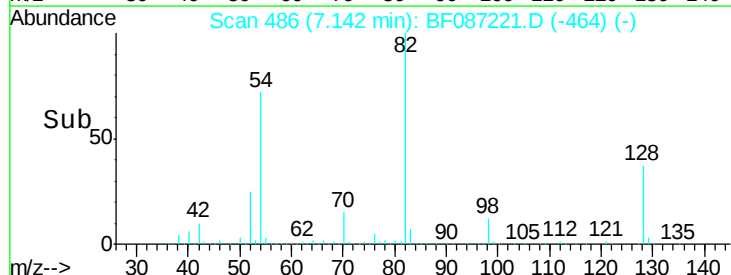
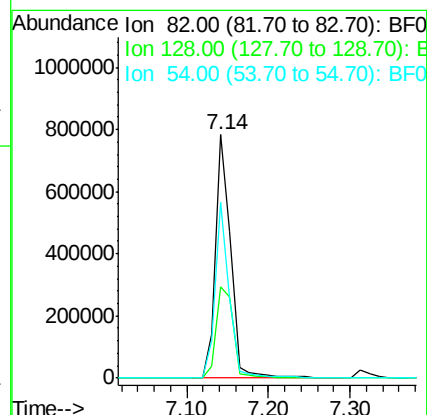
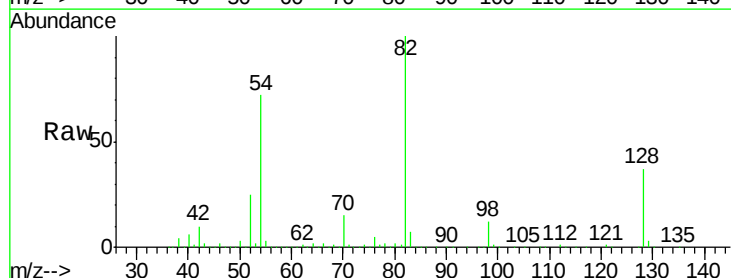
Instrument :
BNA_F
ClientSampleId :

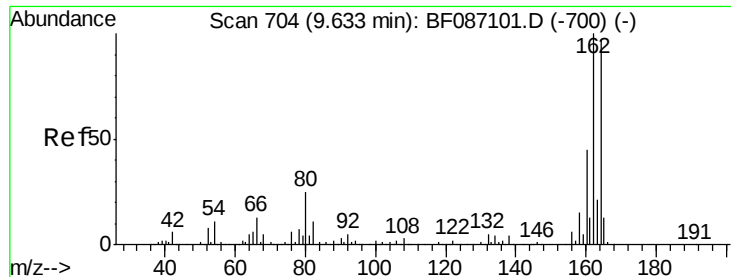
Tot Ion:136	Resp:	555532
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.8	13.2
54 14.2	5.0	7.4#
68 7.0	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 92.30 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087221.D
Acq: 20 May 2016 9:32

Tgt Ion: 82	Resp:	1028787
Ion Ratio	Lower	Upper
82 100		
128 37.3	40.6	61.0#
54 72.1	38.1	57.1#

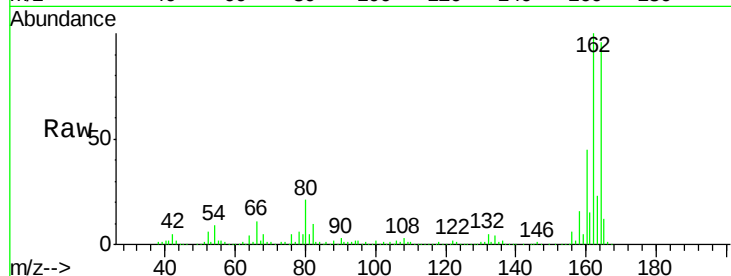




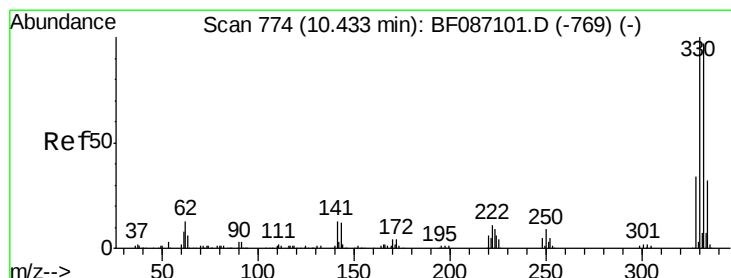
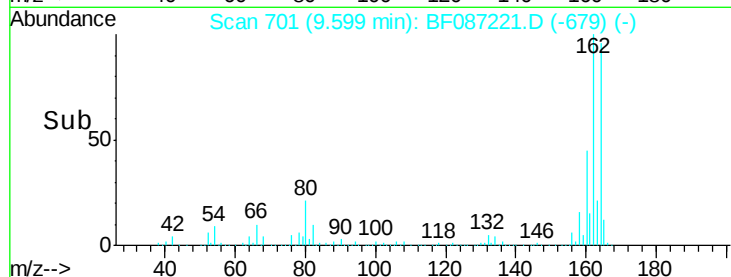
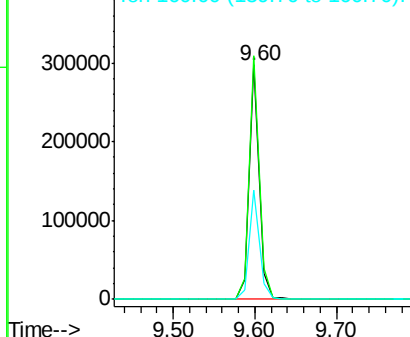
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.05 min
Lab File: BF087221.D
Acq: 20 May 2016 9:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.8	124.2
160	46.8	36.9	55.3

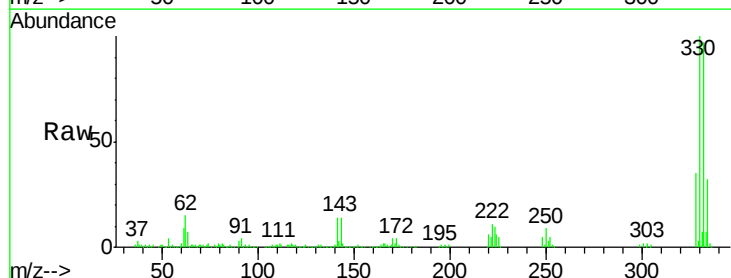


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

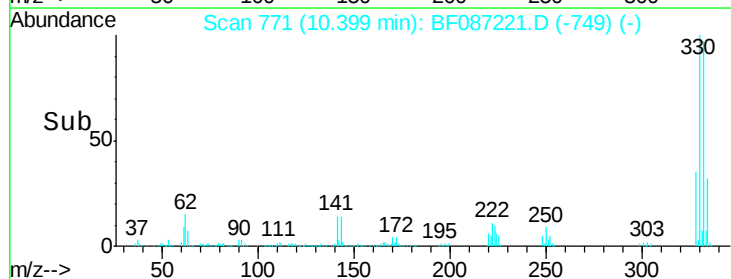
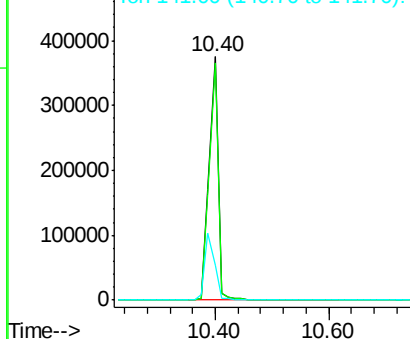


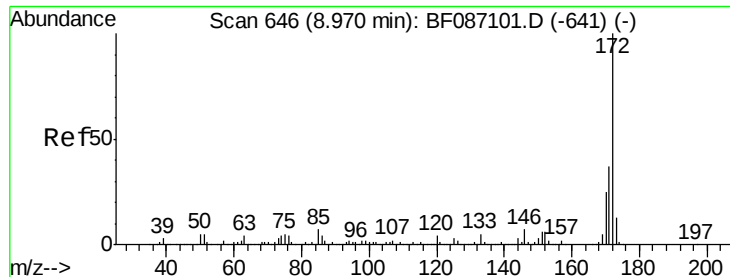
#41
2,4,6-Tribromophenol
Concen: 144.23 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.05 min
Lab File: BF087221.D
Acq: 20 May 2016 9:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.0	118.4
141	30.0	31.2	46.8



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

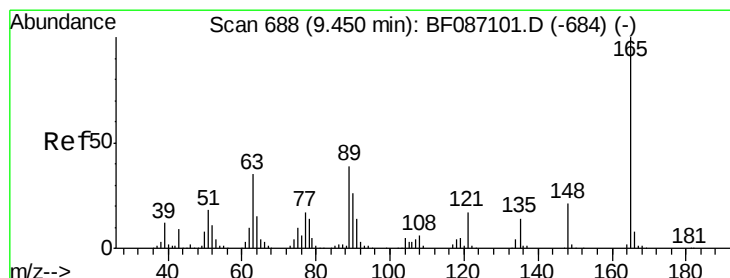
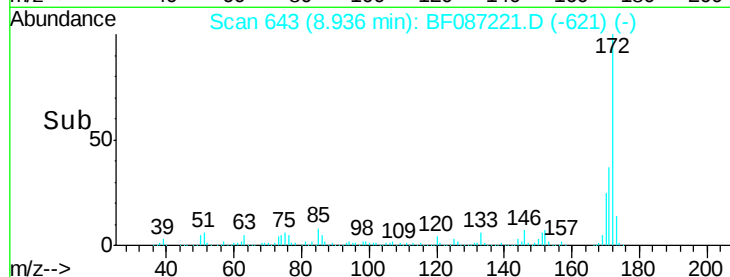
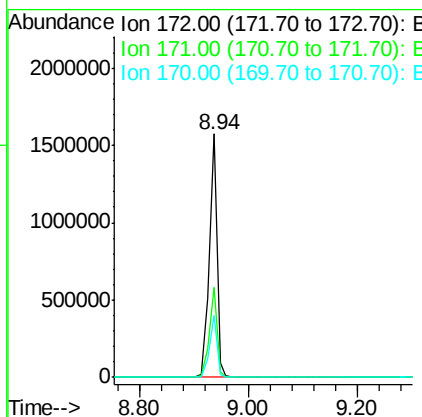
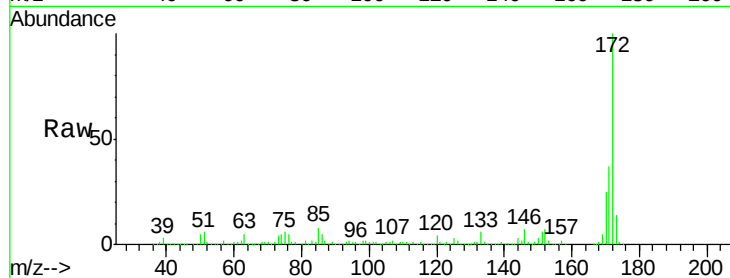




#44
2-Fluorobiphenyl
Concen: 102.57 ng
RT: 8.94 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF087221.D
Acq: 20 May 2016 9:32

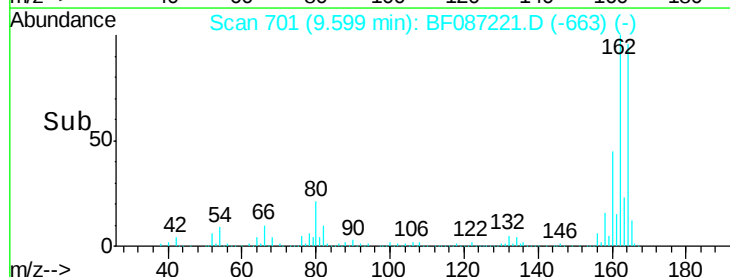
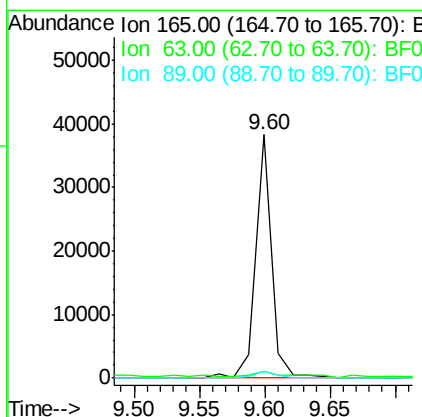
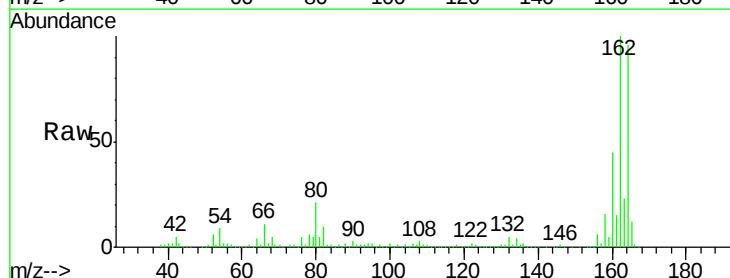
Instrument :
BNA_F
ClientSampleId :

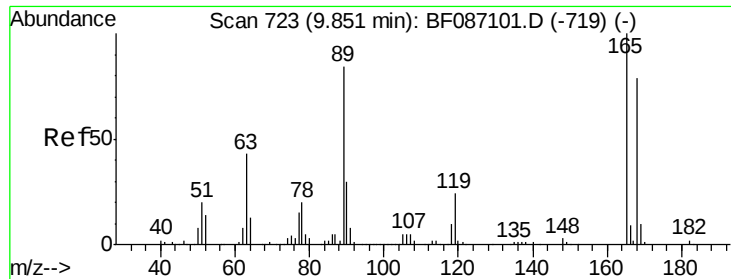
Tot Ion:172 Resp: 1540794
Ion Ratio Lower Upper
172 100
171 37.0 29.0 43.6
170 25.2 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 7.96 ng
RT: 9.60 min Scan# 701
Delta R.T. 0.14 min
Lab File: BF087221.D
Acq: 20 May 2016 9:32

Tgt Ion:165 Resp: 32787
Ion Ratio Lower Upper
165 100
63 2.7 51.8 77.8#
89 2.6 50.7 76.1#

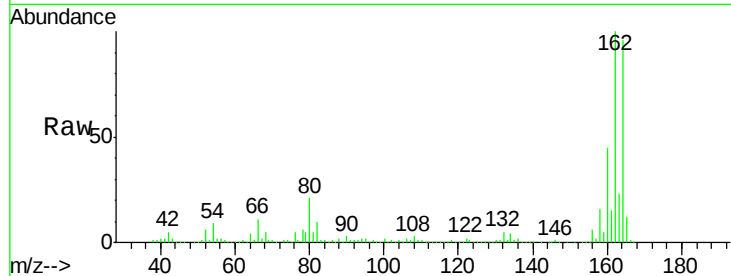




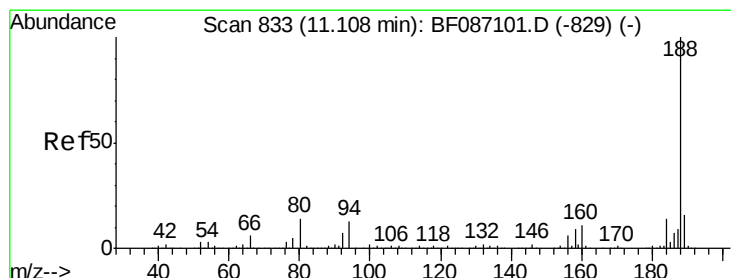
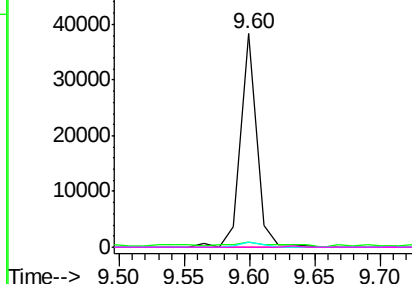
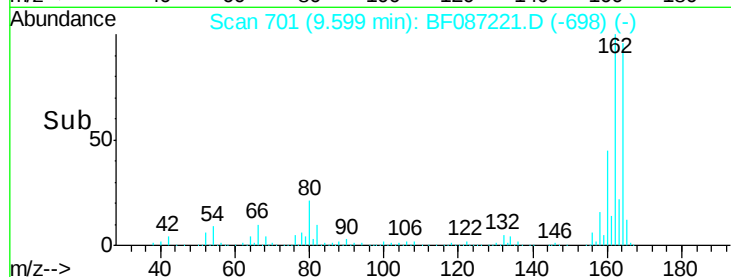
#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.26 min
 Lab File: BF087221.D
 Acq: 20 May 2016 9:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 32782
 Ion Ratio Lower Upper
 165 100
 63 2.7 44.3 66.5#
 89 2.6 70.0 105.0#
 182 0.0 1.8 2.6#

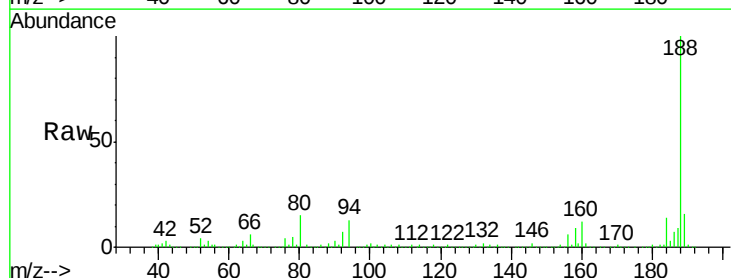


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

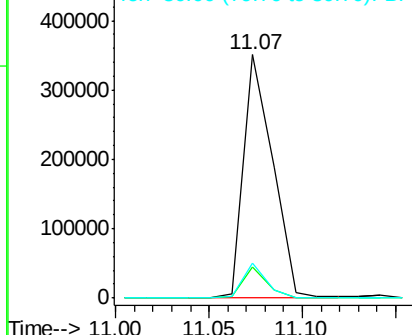
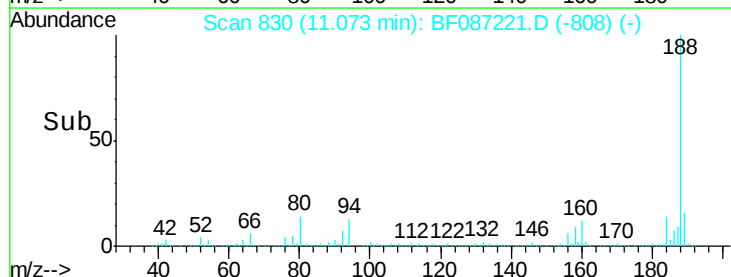


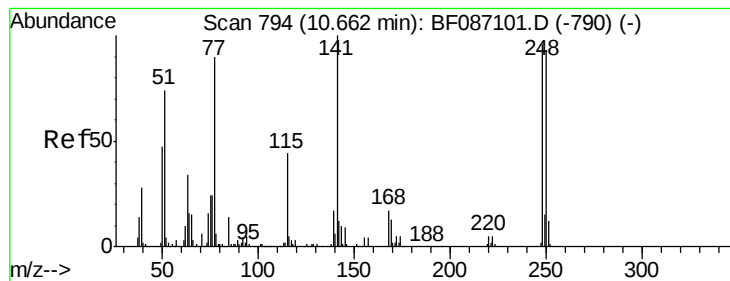
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087221.D
 Acq: 20 May 2016 9:32

Tgt Ion:188 Resp: 383082
 Ion Ratio Lower Upper
 188 100
 94 12.8 6.8 10.2#
 80 14.6 7.1 10.7#



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: 5.60 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

Instrument :

BNA_F

ClientSampleId :

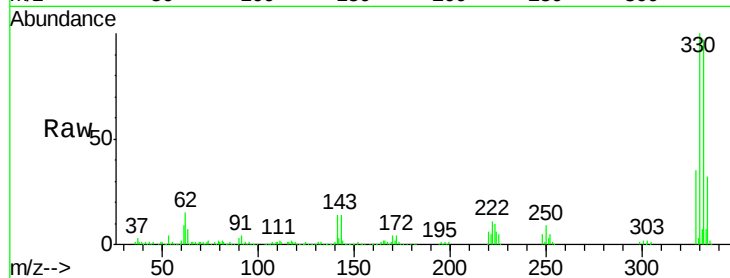
Tot Ion:248 Resp: 22074

Ion Ratio Lower Upper

248 100

250 197.4 78.6 117.8#

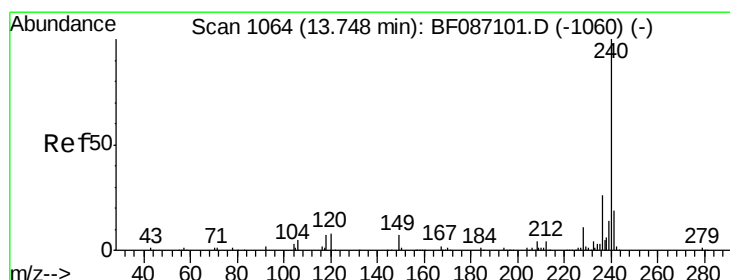
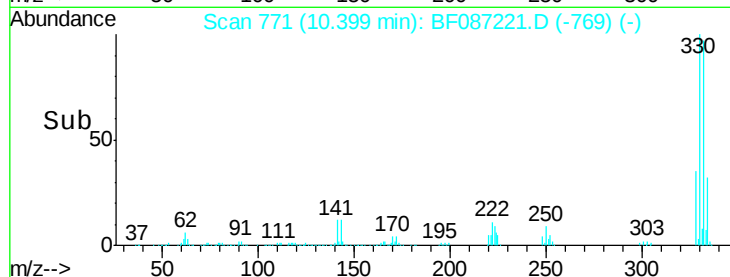
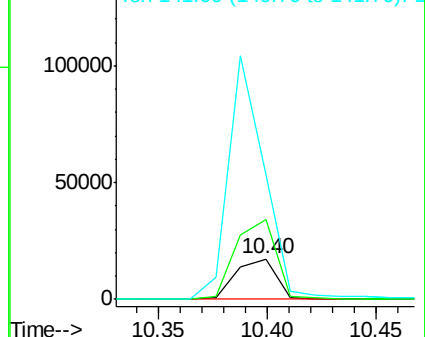
141 310.5 76.0 114.0#



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: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

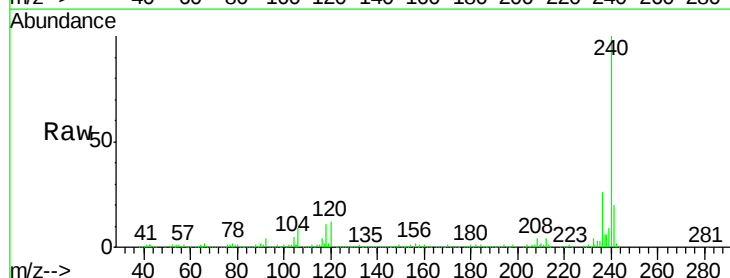
Tgt Ion:240 Resp: 278516

Ion Ratio Lower Upper

240 100

120 12.0 11.2 16.8

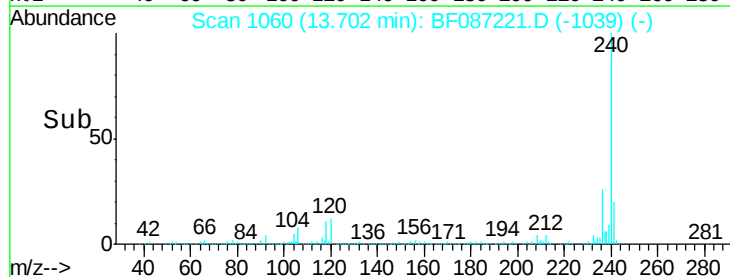
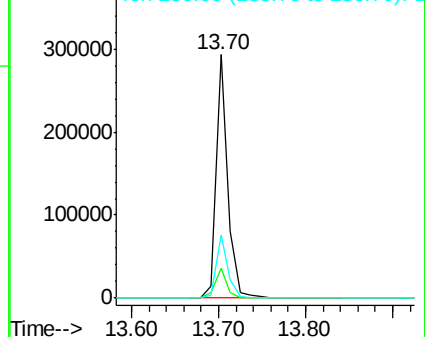
236 26.1 21.2 31.8

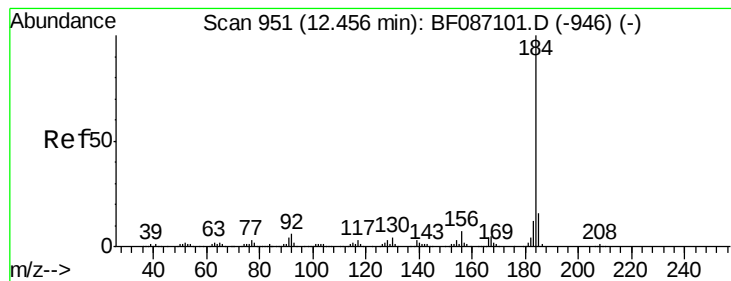


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.54 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

Instrument :

BNA_F

ClientSampleId :

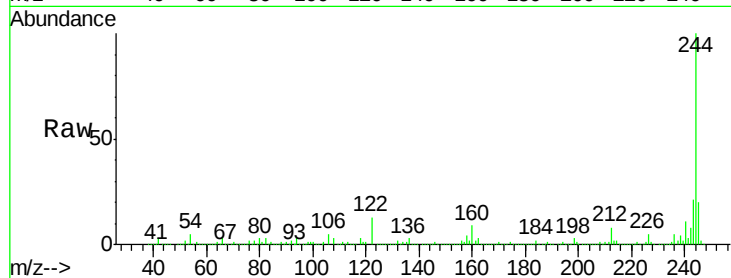
Tot Ion:184 Resp: 16629

Ion Ratio Lower Upper

184 100

185 18.9 13.6 20.4

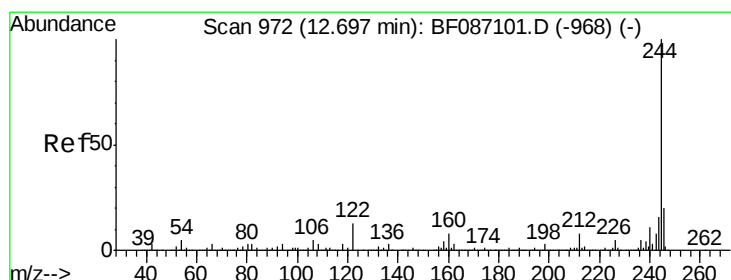
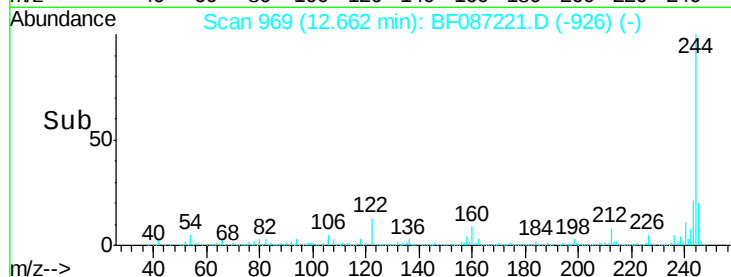
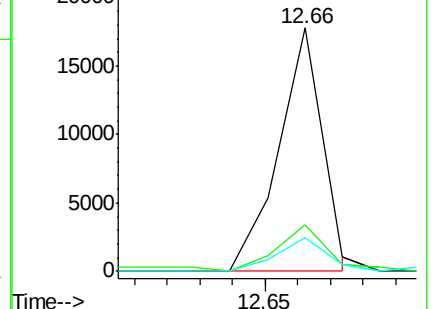
183 13.6 9.8 14.6



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



#78

Terphenyl-d14

Concen: 77.72 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087221.D

Acq: 20 May 2016 9:32

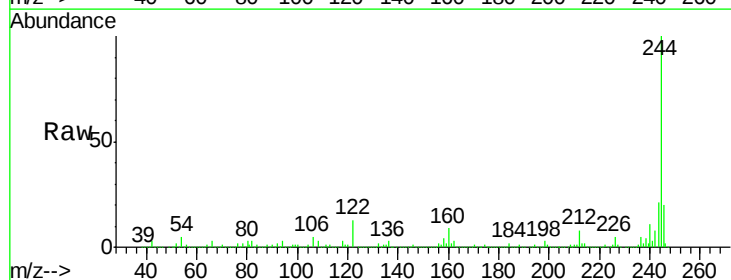
Tgt Ion:244 Resp: 956904

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

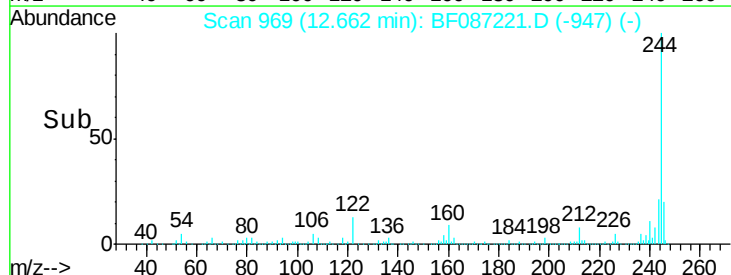
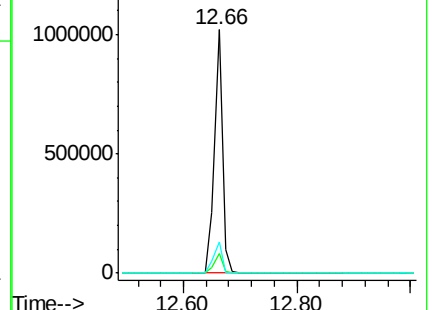
122 12.7 12.0 18.0

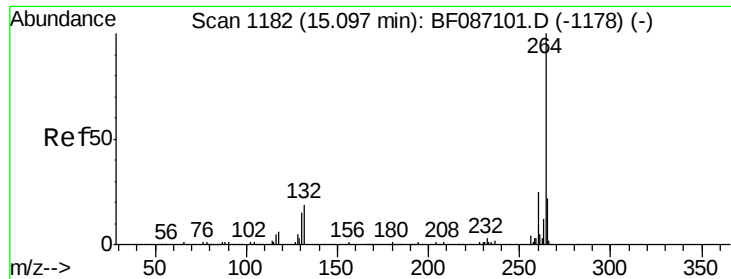


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087221.D
 Acq: 20 May 2016 9:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.2	17.3	25.9

