

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102616\
 Data File : BF090856.D
 Acq On : 26 Oct 2016 22:37
 Operator : UM/SJ
 Sample : H5403-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AA1

Quant Time: Oct 27 01:23:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 16:35:31 2016
 Response via : Initial Calibration

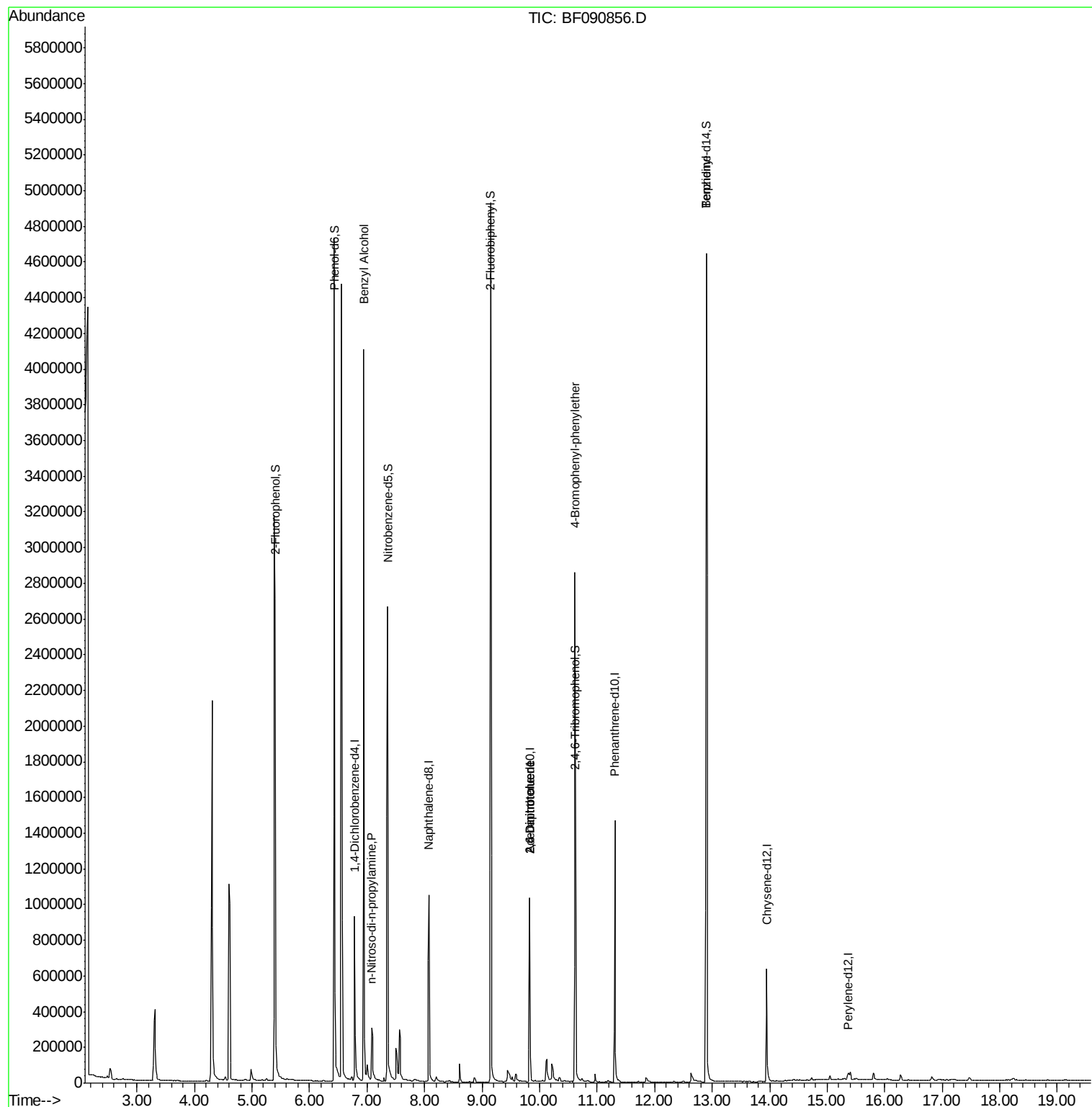
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	159973	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	647254	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	196679	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	528685	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	226792	20.00	ng	-0.01
86) Perylene-d12	15.36	264	5081	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1415763	154.73	ng	0.01
7) Phenol-d6	6.43	99	1164254	94.32	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1213055	122.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	565268	279.67	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1840297	164.30	ng	-0.02
78) Terphenyl-d14	12.90	244	1936632	215.14	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.94	79	20538	2.53	ng	# 28
19) n-Nitroso-di-n-propylamine	7.08	70	25738	3.61	ng	# 52
50) 2,6-Dinitrotoluene	9.82	165	24855	8.56	ng	# 40
56) 2,4-Dinitrotoluene	9.82	165	24850	6.89	ng	# 34
66) 4-Bromophenyl-phenylether	10.61	248	33068	5.71	ng	# 1
76) Benzidine	12.90	184	22390	4.52	ng	# 85

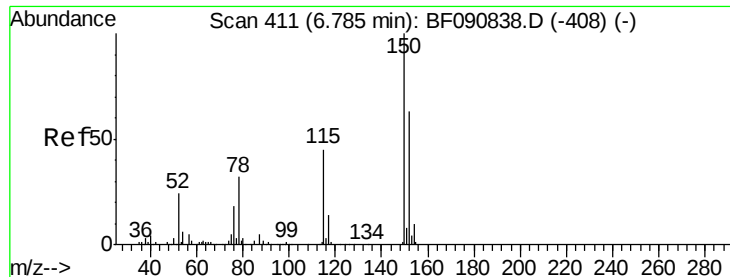
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 26 16:35:31 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

Instrument :

BNA_F

ClientSampleId :

C0AA1

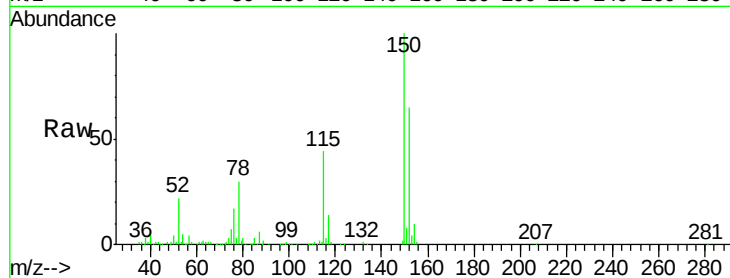
Tgt Ion:152 Resp: 159973

Ion Ratio Lower Upper

152 100

150 153.7 124.7 187.1

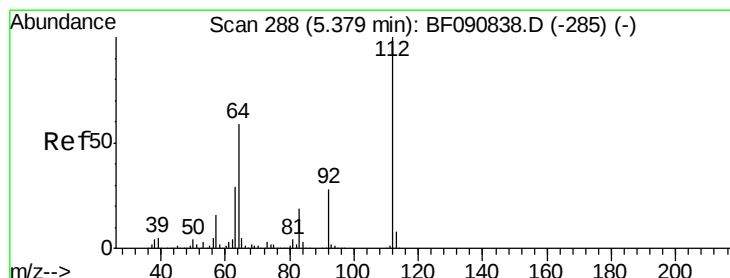
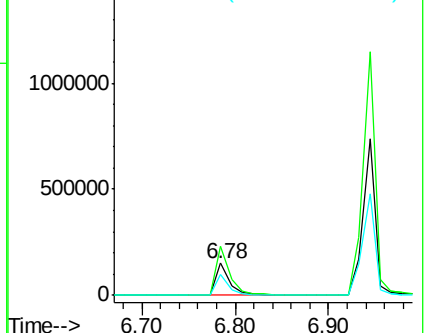
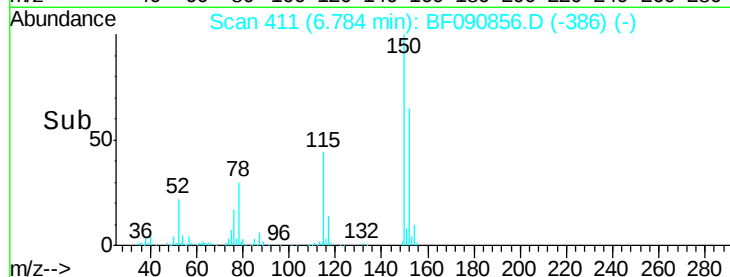
115 66.9 39.0 58.4#



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: 154.73 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

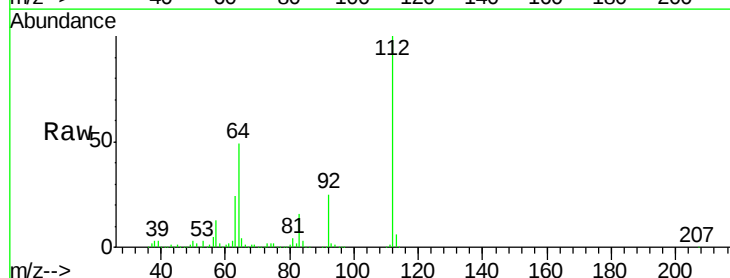
Tgt Ion:112 Resp: 1415763

Ion Ratio Lower Upper

112 100

64 48.9 39.7 59.5

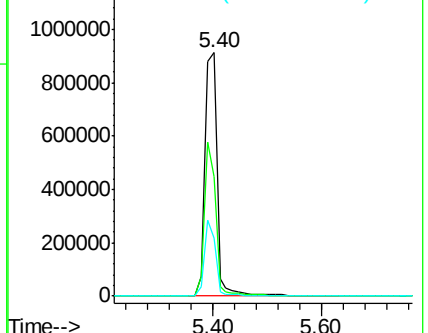
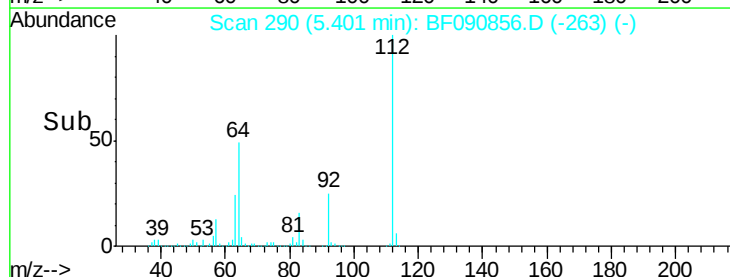
63 23.8 17.4 26.0

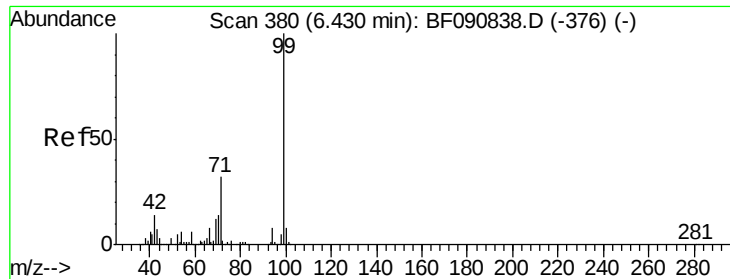


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.32 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

Instrument :

BNA_F

ClientSampleId :

C0AA1

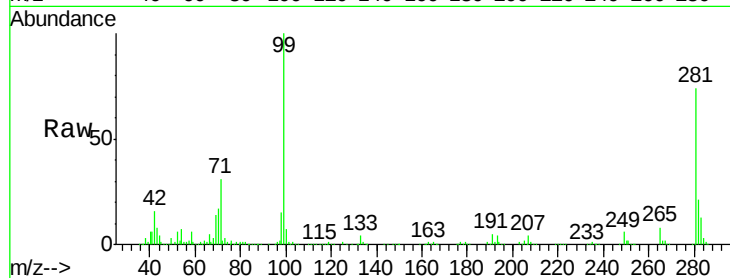
Tgt Ion: 99 Resp: 1164254

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

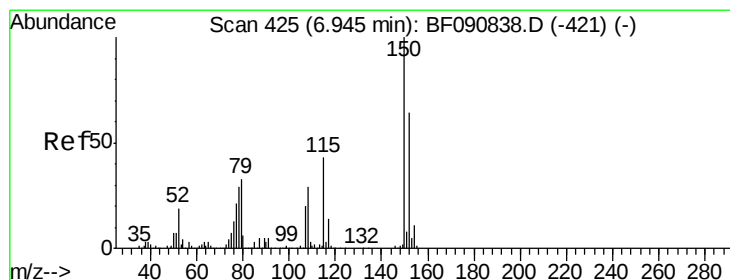
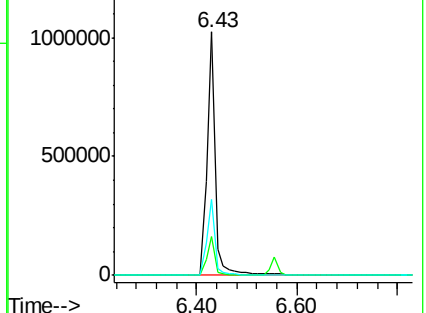
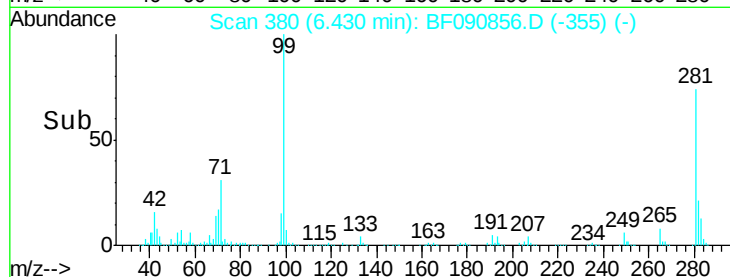
71 31.4 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.53 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

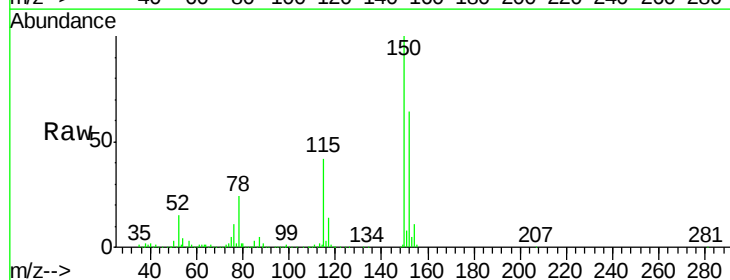
Tgt Ion: 79 Resp: 20538

Ion Ratio Lower Upper

79 100

108 30.0 88.6 132.8#

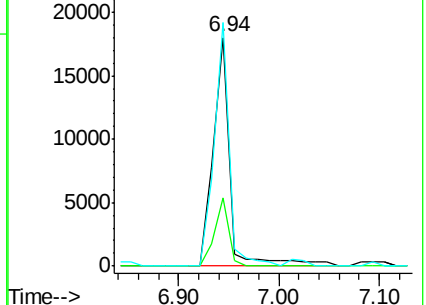
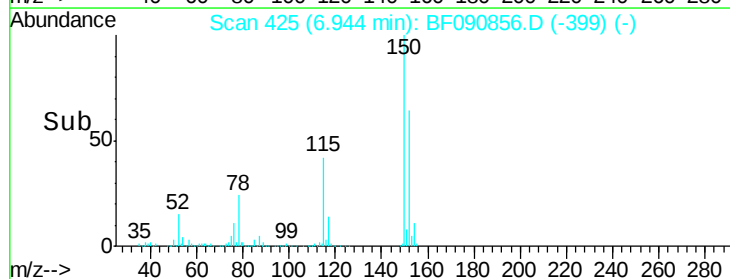
77 106.7 47.0 70.4#

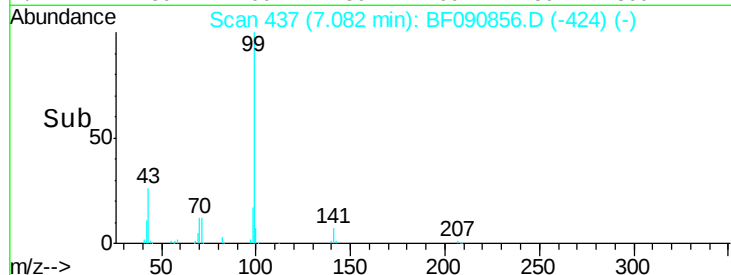
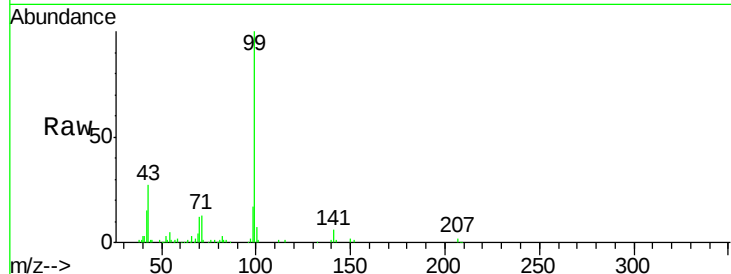
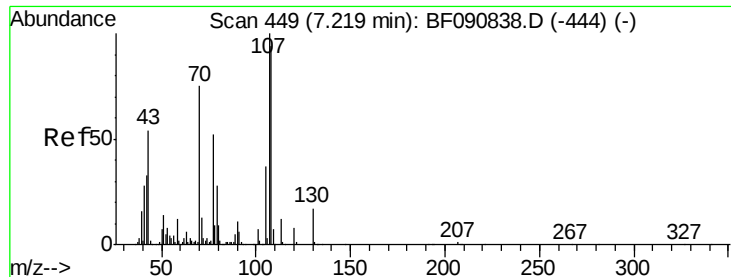


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

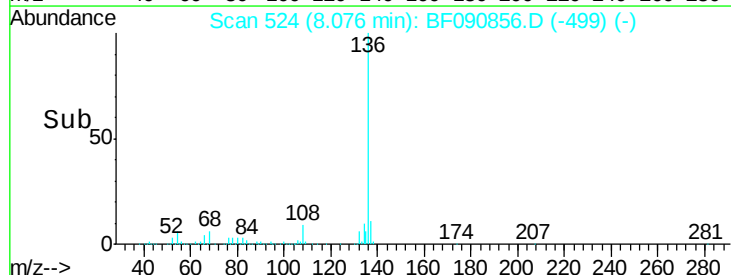
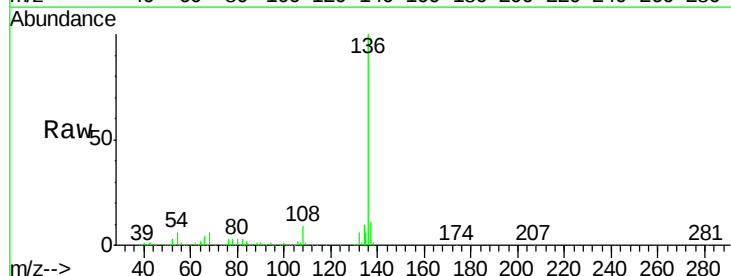
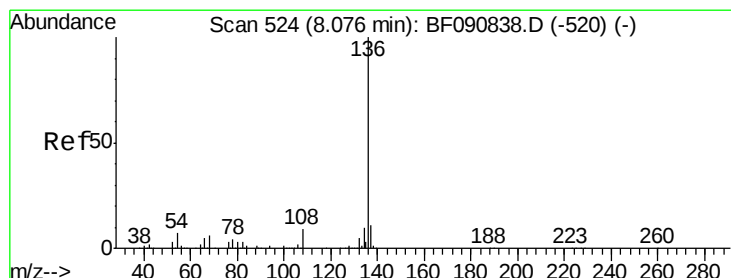
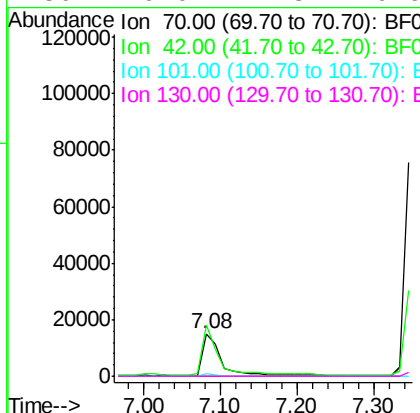




#19
n-Nitroso-di-n-propylamine
Concen: 3.61 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.15 min
Lab File: BF090856.D
Acq: 26 Oct 2016 22:37

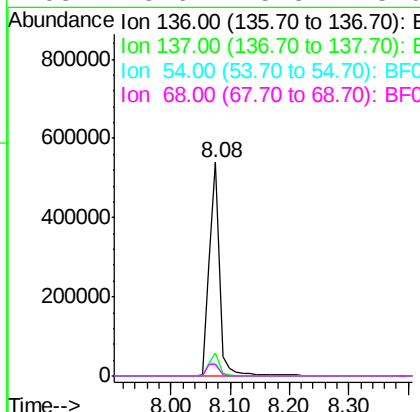
Instrument :
BNA_F
ClientSampleId :
C0AA1

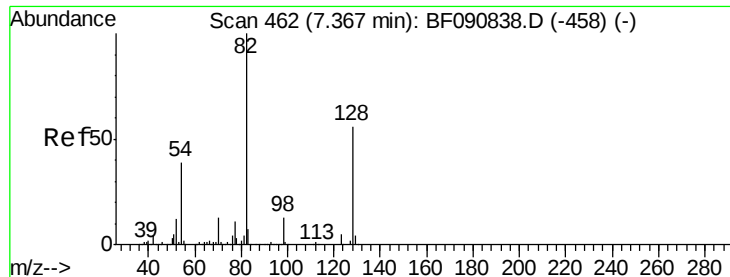
Tgt Ion: 70 Resp: 25738
Ion Ratio Lower Upper
70 100
42 121.6 63.8 95.6#
101 6.7 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF090856.D
Acq: 26 Oct 2016 22:37

Tgt Ion: 136 Resp: 647254
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.0 8.2 12.2#
68 5.6 5.8 8.6#

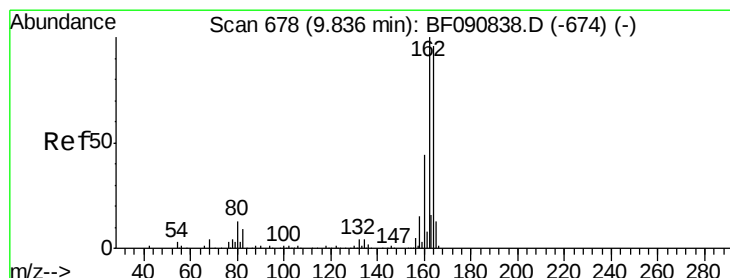
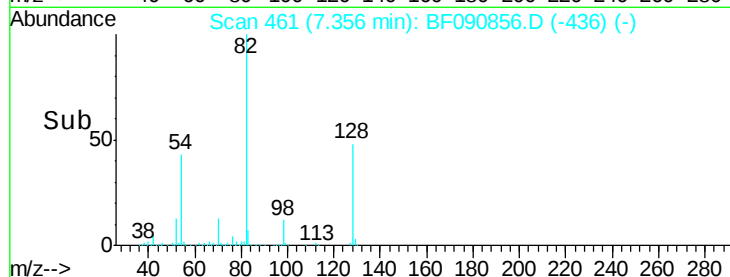
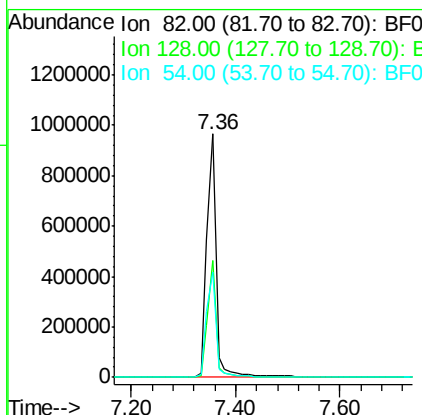
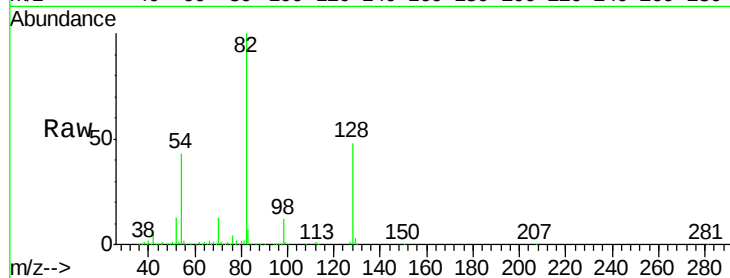




#23
 Nitrobenzene-d5
 Concen: 122.69 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF090856.D
 Acq: 26 Oct 2016 22:37

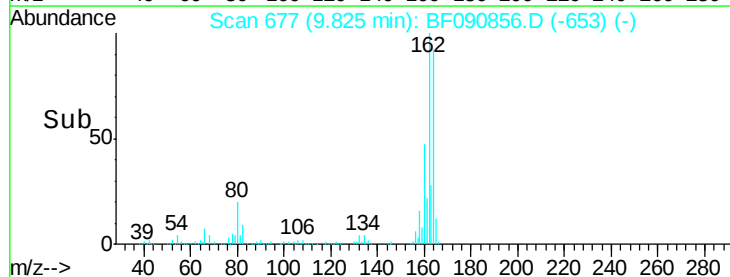
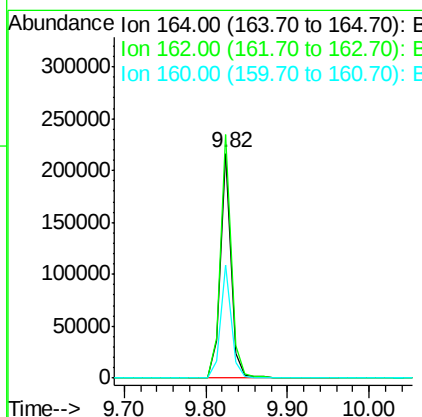
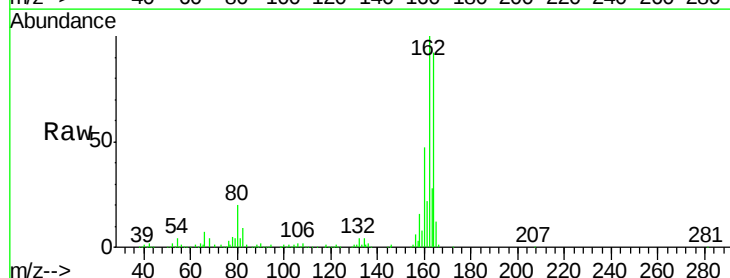
Instrument :
 BNA_F
 ClientSampleId :
 C0AA1

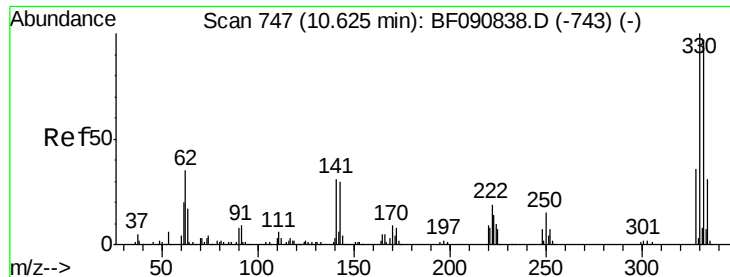
Tgt Ion: 82 Resp: 1213055
 Ion Ratio Lower Upper
 82 100
 128 48.0 51.0 76.6#
 54 43.1 47.5 71.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF090856.D
 Acq: 26 Oct 2016 22:37

Tgt Ion: 164 Resp: 196679
 Ion Ratio Lower Upper
 164 100
 162 108.4 75.2 112.8
 160 50.6 31.5 47.3#

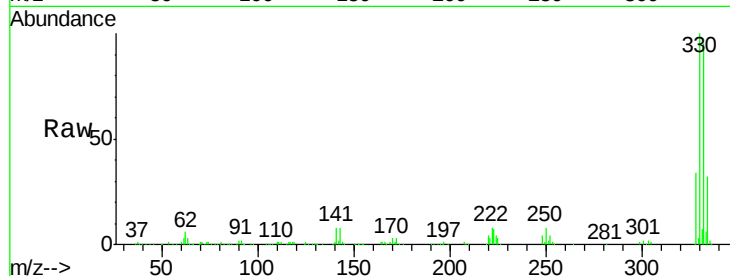




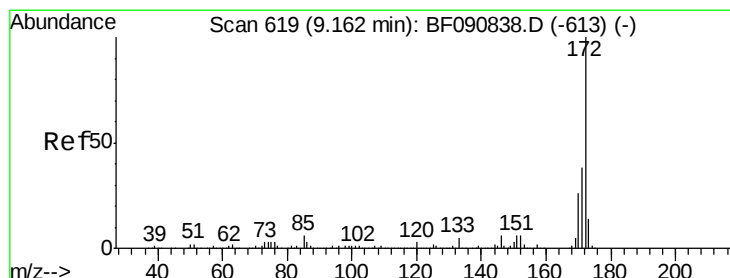
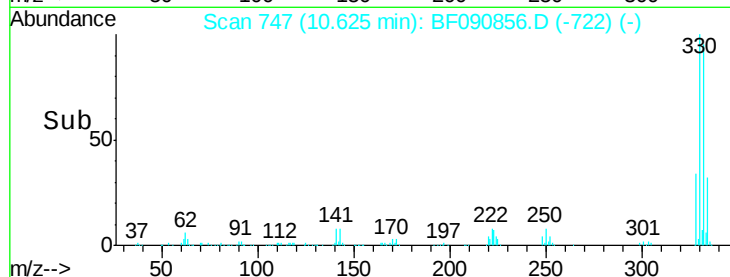
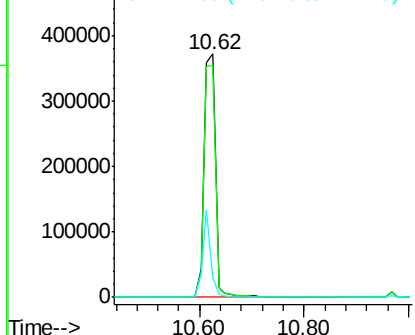
#41
 2,4,6-Tribromophenol
 Concen: 279.67 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF090856.D
 Acq: 26 Oct 2016 22:37

Instrument :
 BNA_F
 ClientSampleId :
 C0AA1

Tgt Ion:330 Resp: 565268
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 25.8 29.7 44.5#

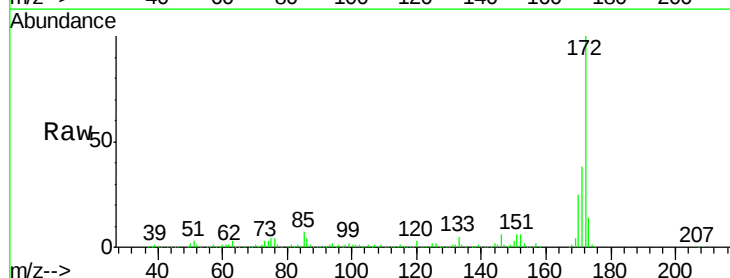


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

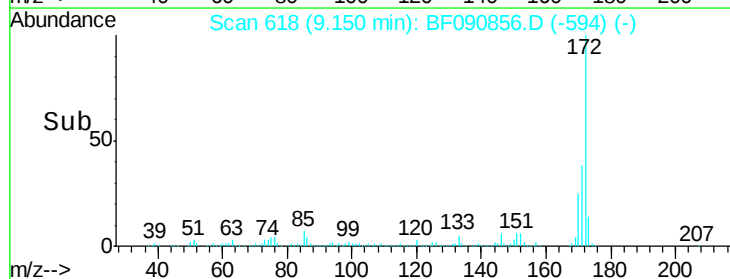
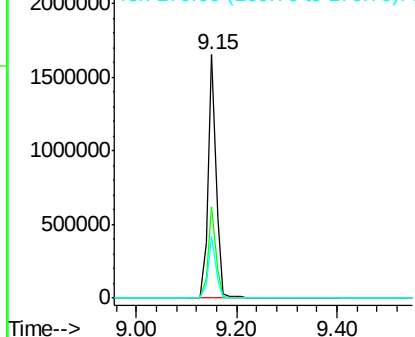


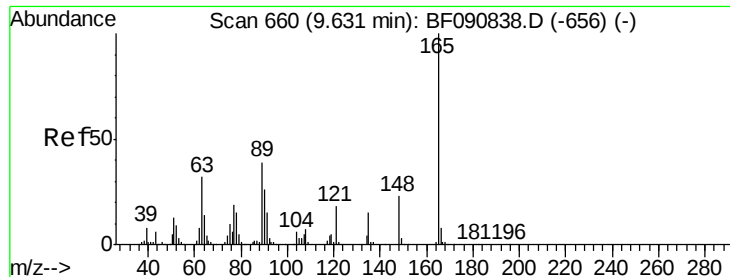
#44
 2-Fluorobiphenyl
 Concen: 164.30 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF090856.D
 Acq: 26 Oct 2016 22:37

Tgt Ion:172 Resp: 1840297
 Ion Ratio Lower Upper
 172 100
 171 37.7 26.1 39.1
 170 25.4 17.4 26.2



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: 8.56 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.19 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

Instrument :

BNA_F

ClientSampleId :

C0AA1

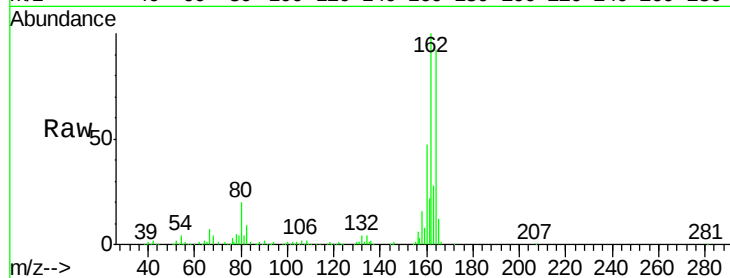
Tgt Ion:165 Resp: 24855

Ion Ratio Lower Upper

165 100

63 1.5 32.3 48.5#

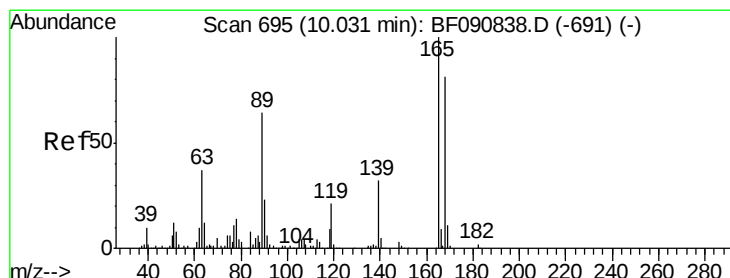
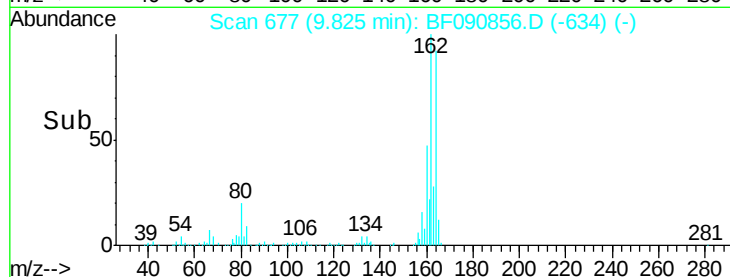
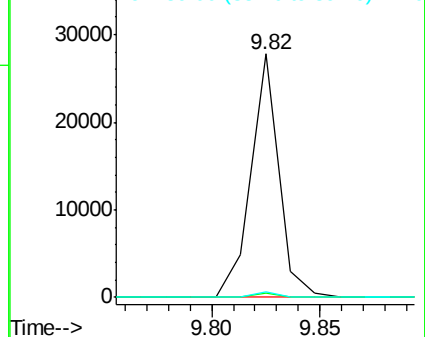
89 2.0 28.6 43.0#



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: 6.89 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.22 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

Tgt Ion:165 Resp: 24850

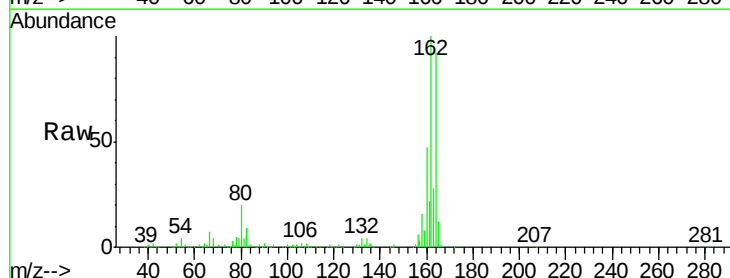
Ion Ratio Lower Upper

165 100

63 1.5 29.8 44.6#

89 2.0 44.5 66.7#

182 0.0 3.0 4.4#

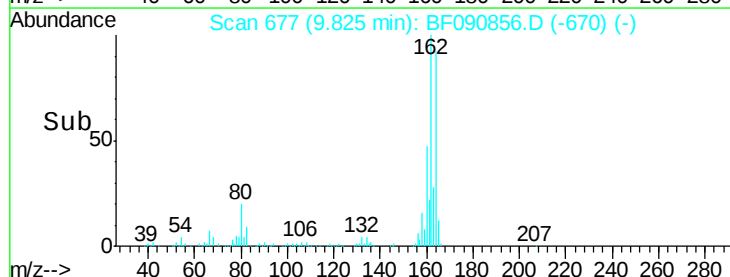
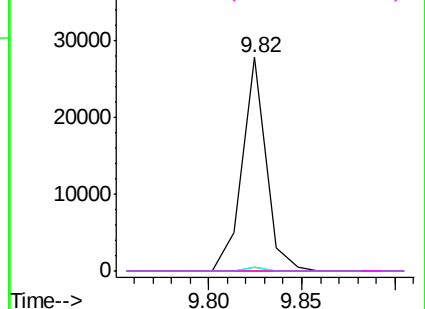


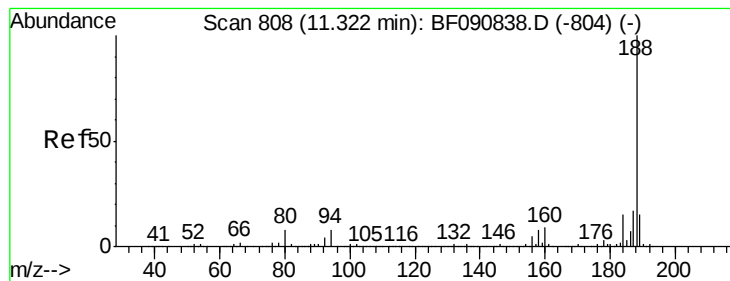
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

Instrument :

BNA_F

ClientSampleId :

C0AA1

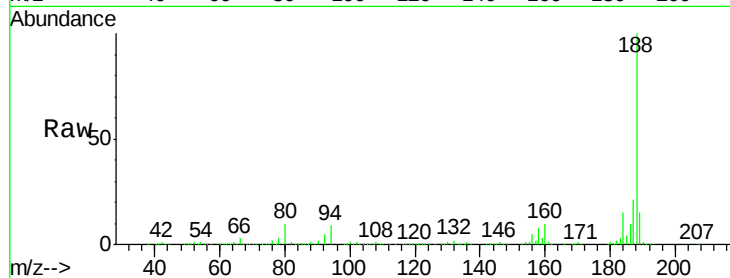
Tgt Ion:188 Resp: 528685

Ion Ratio Lower Upper

188 100

94 9.3 11.1 16.7#

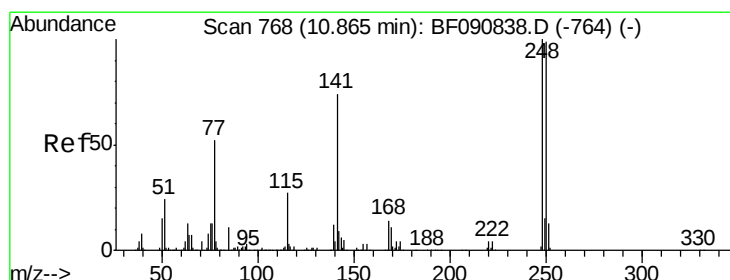
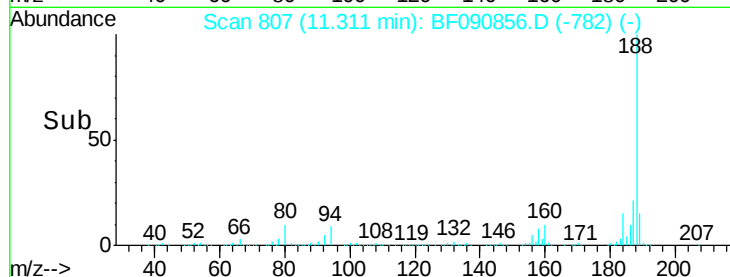
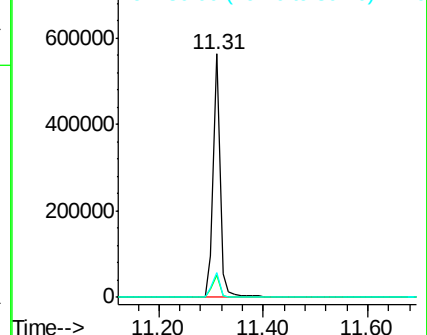
80 10.2 11.0 16.4#



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: 5.71 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

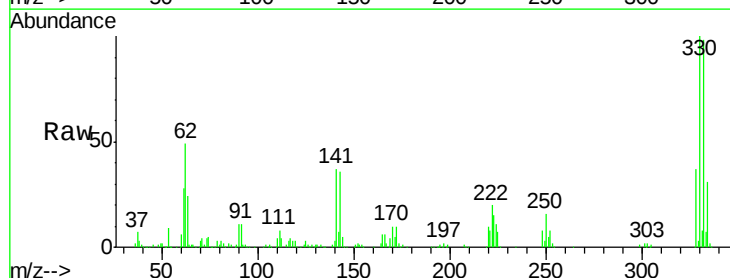
Tgt Ion:248 Resp: 33068

Ion Ratio Lower Upper

248 100

250 202.1 78.5 117.7#

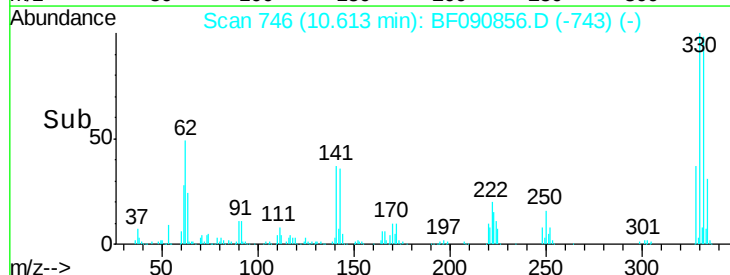
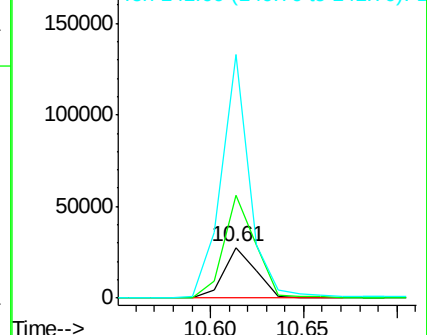
141 477.7 59.0 88.6#

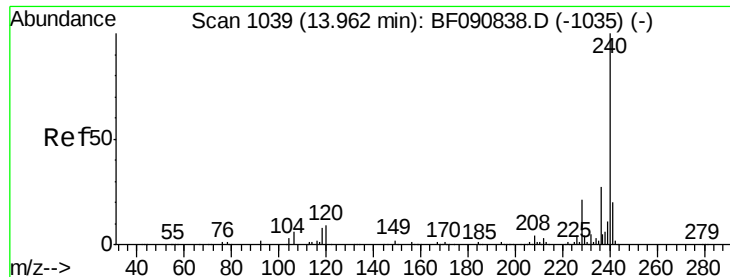


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

Instrument :

BNA_F

ClientSampleId :

C0AA1

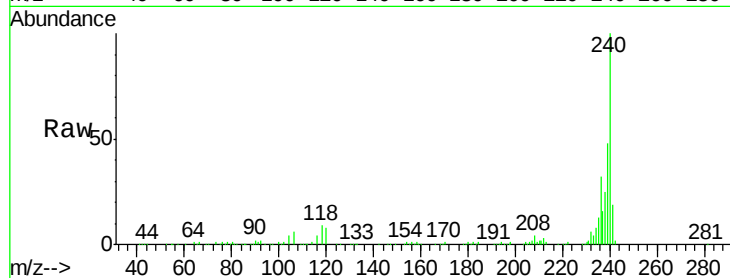
Tgt Ion:240 Resp: 226792

Ion Ratio Lower Upper

240 100

120 8.4 16.2 24.2#

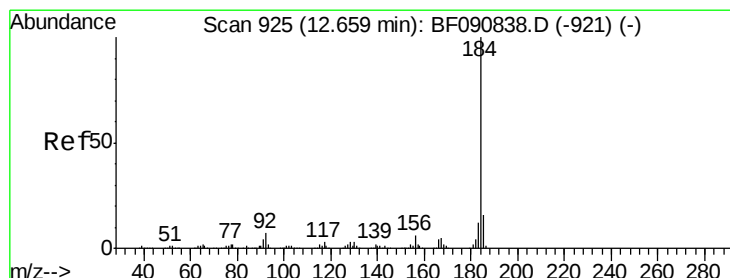
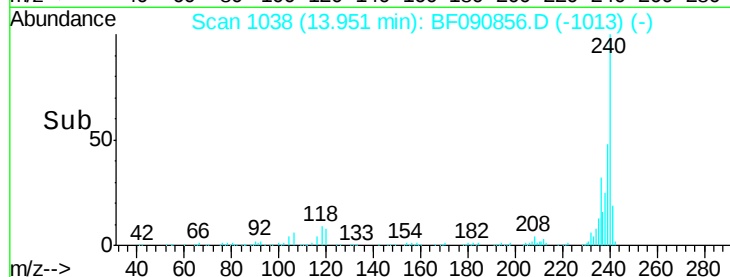
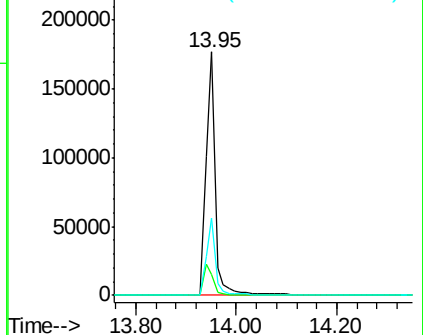
236 31.6 18.4 27.6#



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



#76

Benzidine

Concen: 4.52 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.23 min

Lab File: BF090856.D

Acq: 26 Oct 2016 22:37

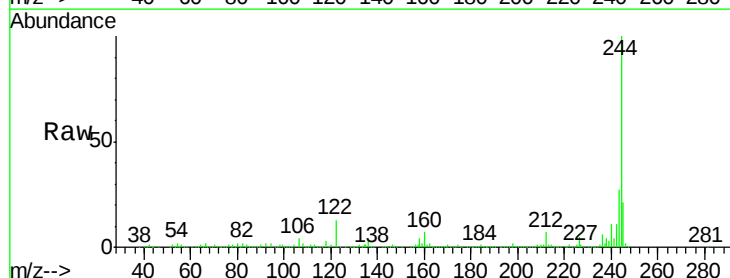
Tgt Ion:184 Resp: 22390

Ion Ratio Lower Upper

184 100

185 19.3 11.8 17.6#

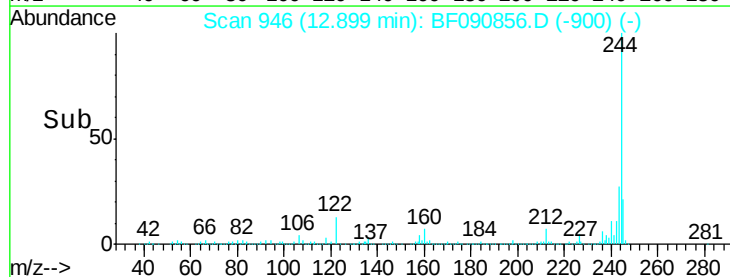
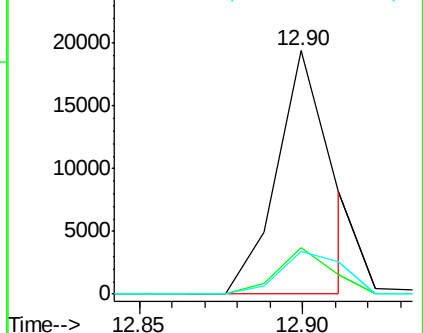
183 17.4 7.6 11.4#

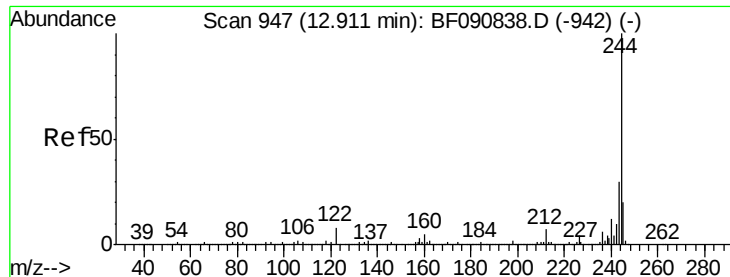


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

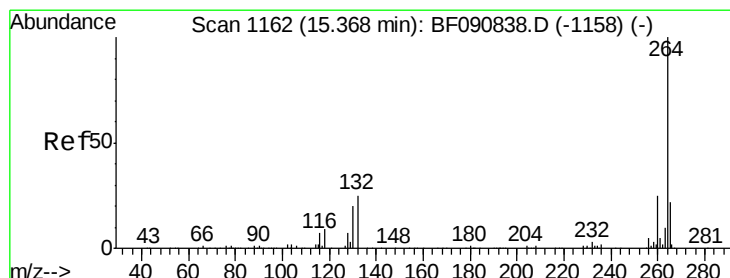
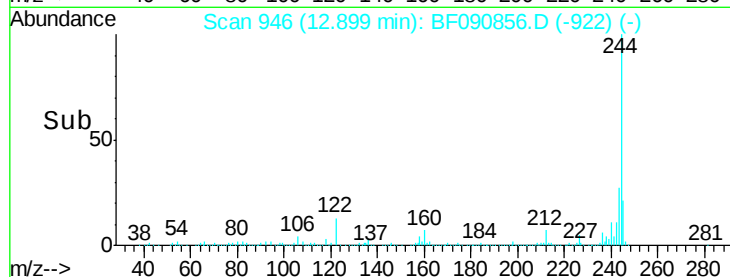
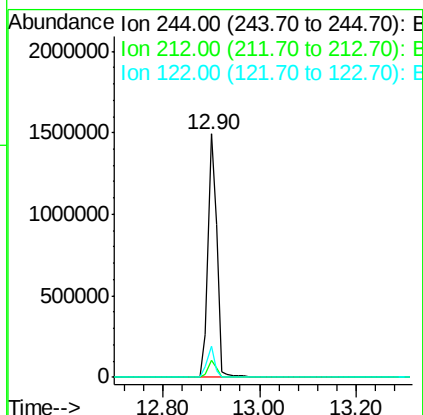
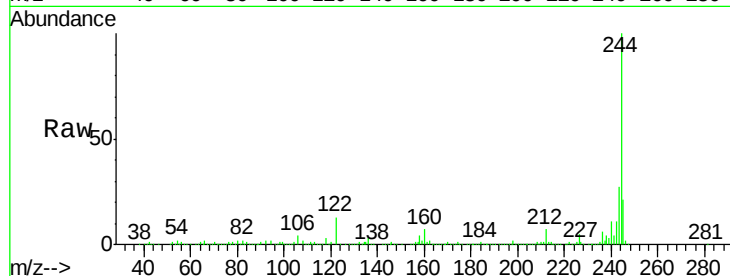




#78
 Terphenyl-d14
 Concen: 215.14 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF090856.D
 Acq: 26 Oct 2016 22:37

Instrument :
 BNA_F
 ClientSampleId :
 C0AA1

Tgt Ion:244 Resp: 1936632
 Ion Ratio Lower Upper
 244 100
 212 7.3 4.3 6.5#
 122 12.7 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF090856.D
 Acq: 26 Oct 2016 22:37

Tgt Ion:264 Resp: 5081
 Ion Ratio Lower Upper
 264 100
 260 50.5 16.7 25.1#
 265 27.1 17.2 25.8#

