

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111615\
 Data File : BF082957.D
 Acq On : 17 Nov 2015 00:21
 Operator : UM/IZ
 Sample : G4446-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 111615-A263-E-U-M

Quant Time: Nov 17 06:36:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 04:41:30 2015
 Response via : Initial Calibration

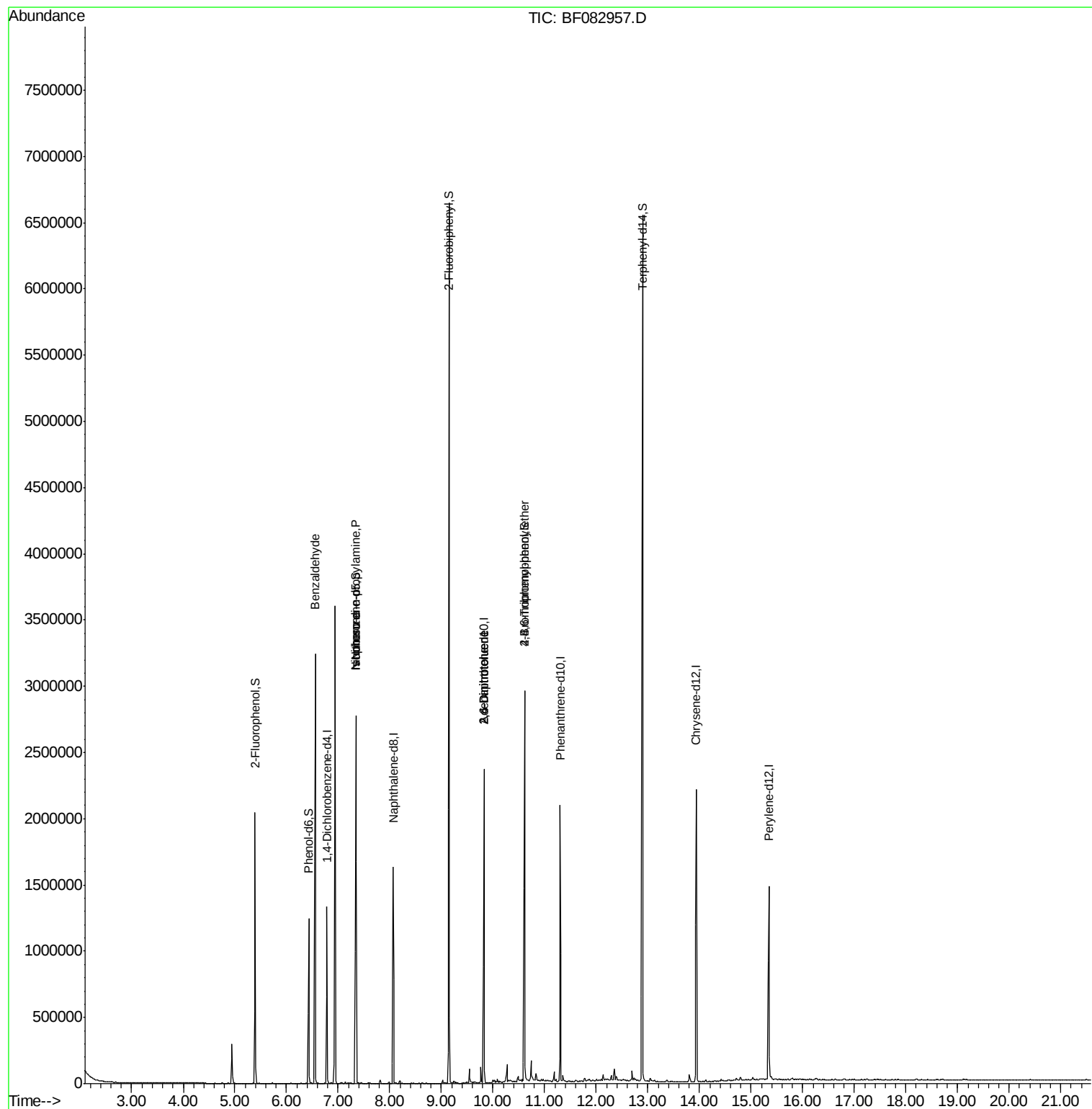
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	225466	20.00	ng	-0.07
21) Naphthalene-d8	8.06	136	843536	20.00	ng	-0.08
38) Acenaphthene-d10	9.82	164	504899	20.00	ng	-0.07
63) Phenanthrene-d10	11.30	188	880501	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	906976	20.00	ng	-0.08
86) Perylene-d12	15.35	264	716007	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	520475	35.92	ng	-0.06
7) Phenol-d6	6.43	99	461763	23.97	ng	-0.06
23) Nitrobenzene-d5	7.34	82	1350429	69.66	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	370122	63.93	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	2047601	58.12	ng	-0.07
78) Terphenyl-d14	12.90	244	2420484	63.30	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.56	77	24422	2.29	ng	Qvalue 91
19) n-Nitroso-di-n-propylamine	7.34	70	178290	12.59	ng	# 71
25) Isophorone	7.34	82	1341992	37.41	ng	# 69
50) 2,6-Dinitrotoluene	9.82	165	64109	7.26	ng	# 17
56) 2,4-Dinitrotoluene	9.82	165	64098	5.35	ng	# 15
66) 4-Bromophenyl-phenylether	10.61	248	26967	2.54	ng	# 1

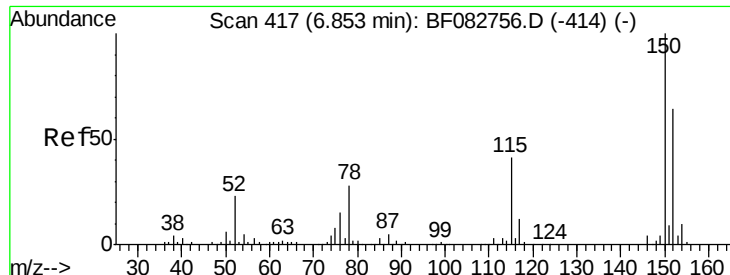
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA_F

ClientSampleId :

111615-A263-E-U-M

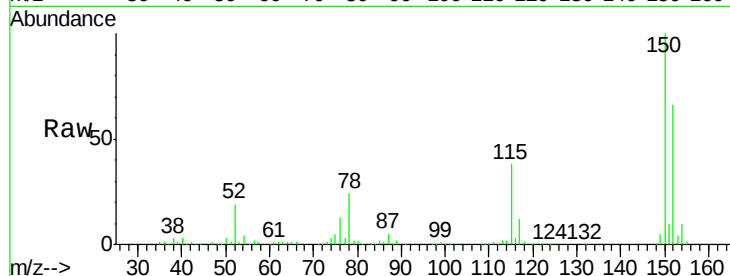
Tot Ion:152 Resp: 225466

Ion Ratio Lower Upper

152 100

150 152.5 127.0 190.4

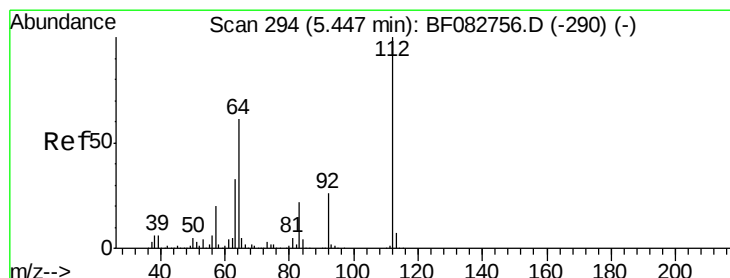
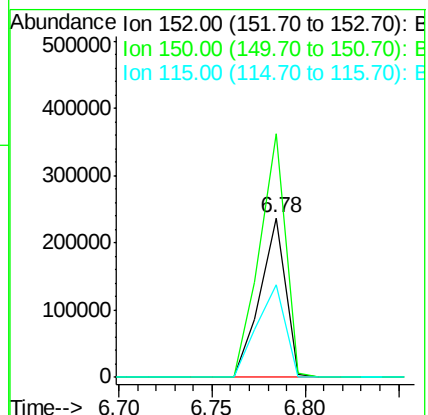
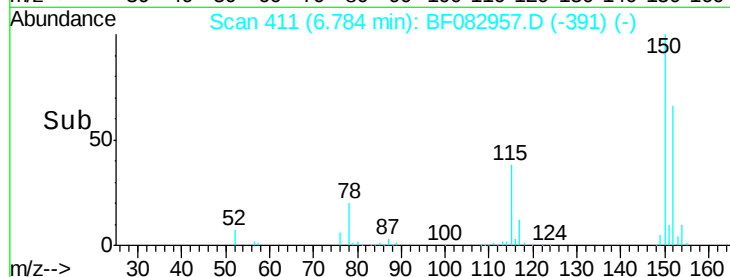
115 57.9 47.0 70.6



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: 35.92 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.06 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

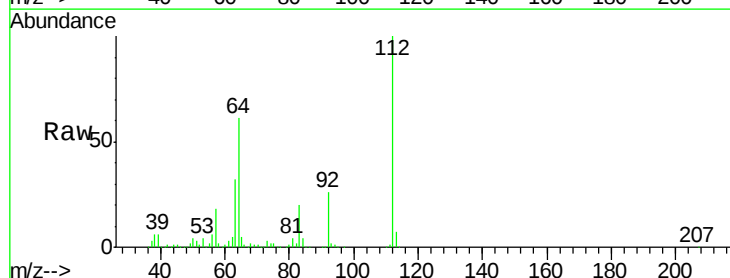
Tgt Ion:112 Resp: 520475

Ion Ratio Lower Upper

112 100

64 61.0 48.9 73.3

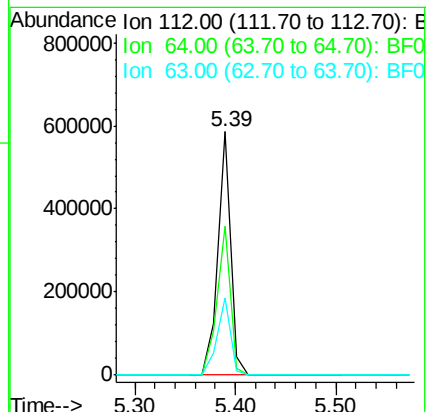
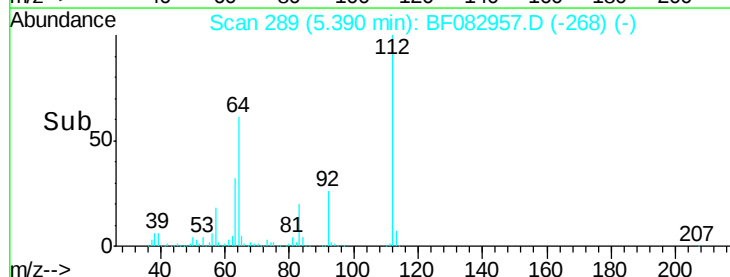
63 31.5 28.1 42.1

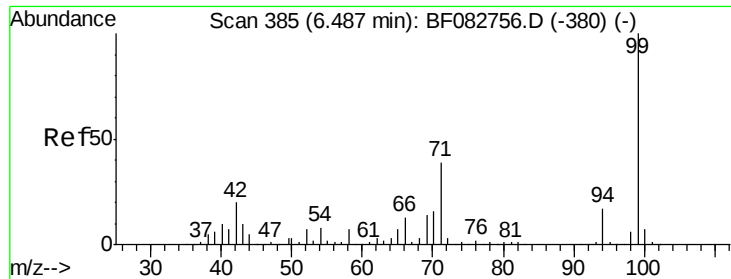


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.97 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA_F

ClientSampleId :

111615-A263-E-U-M

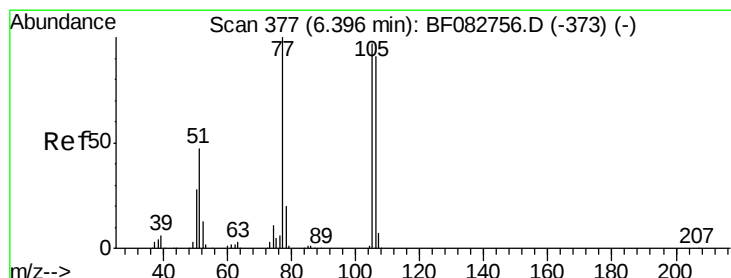
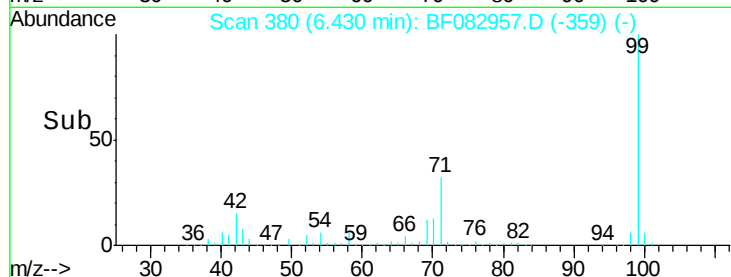
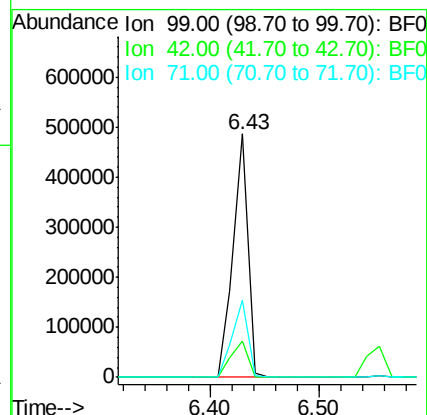
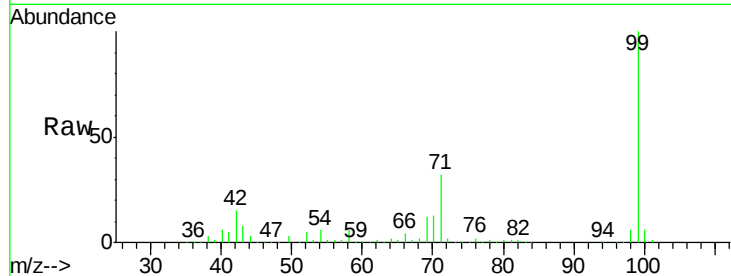
Tot Ion: 99 Resp: 461763

Ion Ratio Lower Upper

99 100

42 15.1 19.2 28.8#

71 31.5 35.0 52.4#



#9

Benzaldehyde

Concen: 2.29 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.16 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

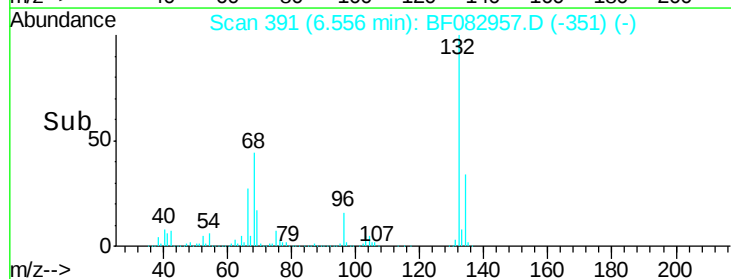
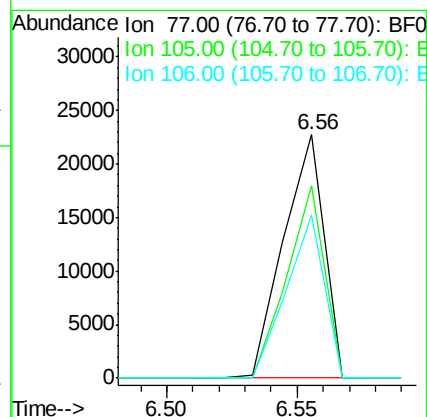
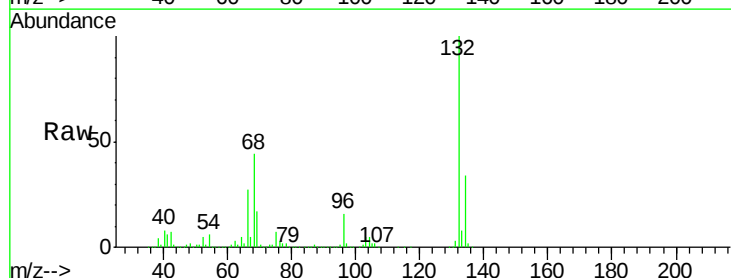
Tgt Ion: 77 Resp: 24422

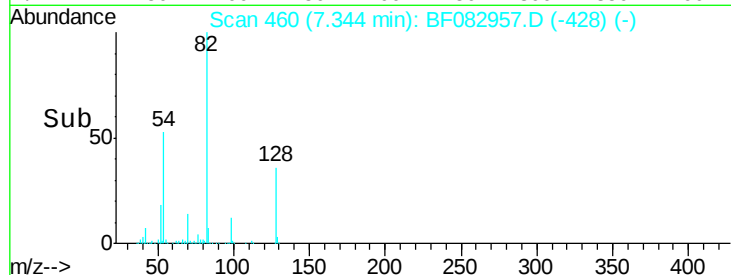
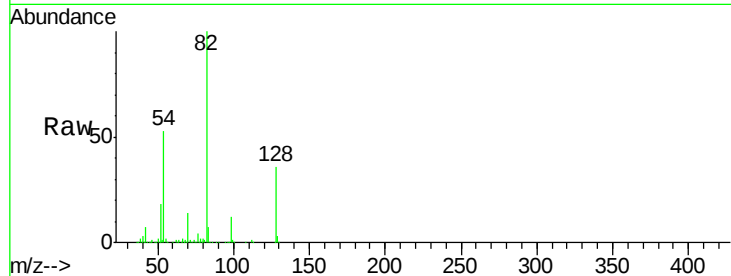
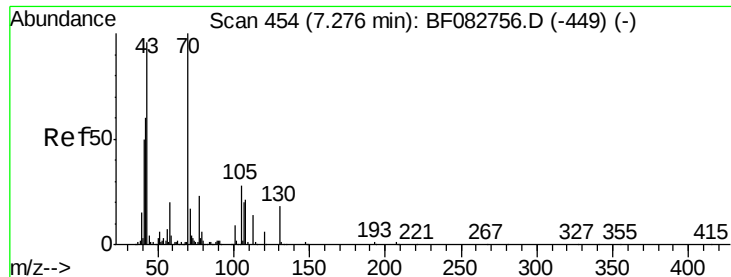
Ion Ratio Lower Upper

77 100

105 78.9 63.5 103.5

106 67.2 59.3 99.3

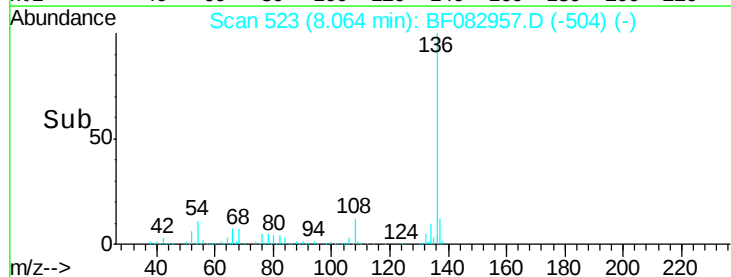
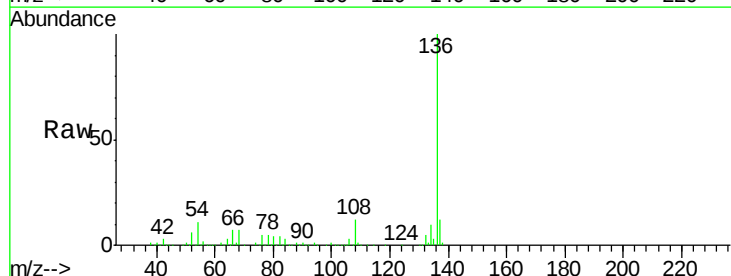
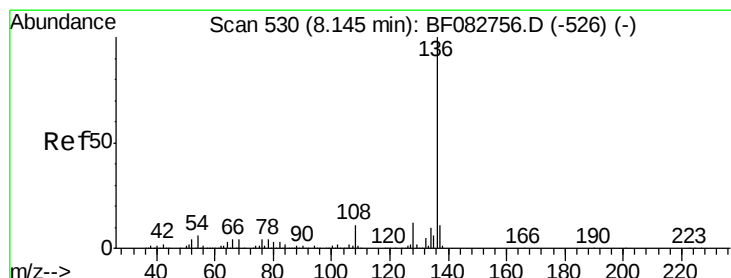
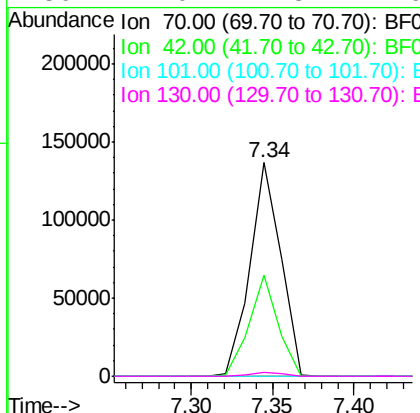




#19
n-Nitroso-di-n-propylamine
Concen: 12.59 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.07 min
Lab File: BF082957.D
Acq: 17 Nov 2015 00:21

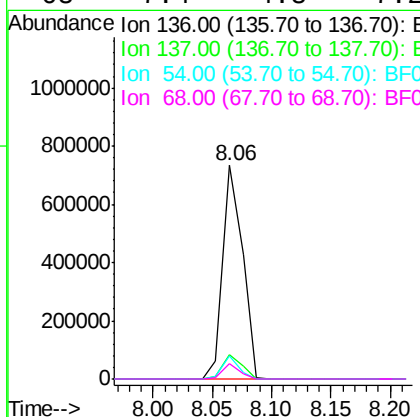
Instrument :
BNA_F
ClientSampleId :
111615-A263-E-U-M

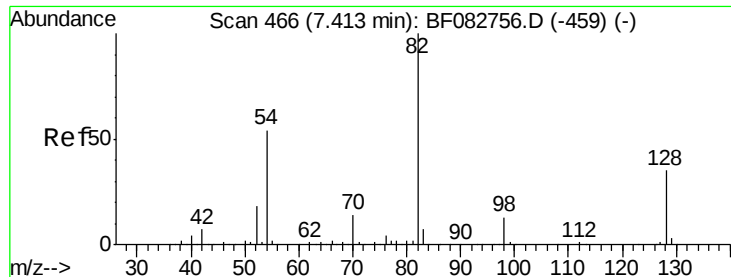
Tot Ion:	70	Resp:	178290
Ion	Ratio	Lower	Upper
70	100		
42	47.6	57.7	86.5#
101	0.0	7.0	10.6#
130	2.0	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.08 min
Lab File: BF082957.D
Acq: 17 Nov 2015 00:21

Tgt Ion:	136	Resp:	843536
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.0	9.1	13.7
68	7.4	4.8	7.2#

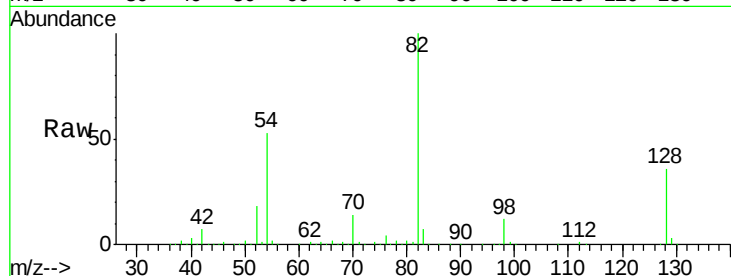




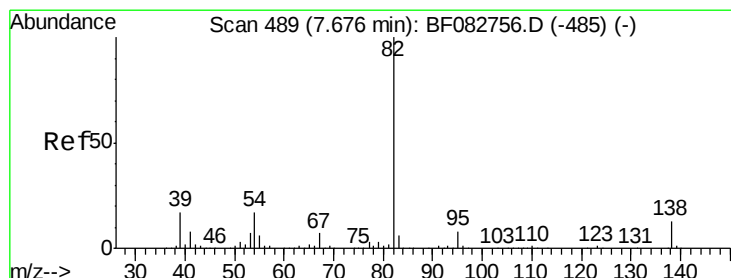
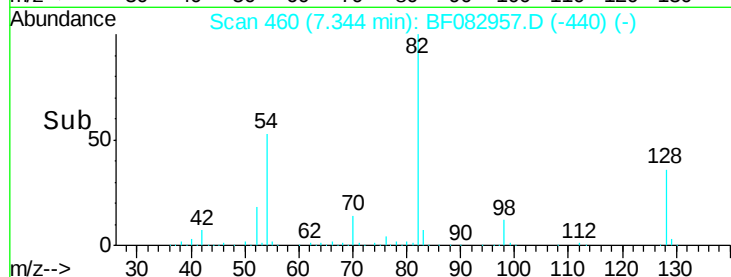
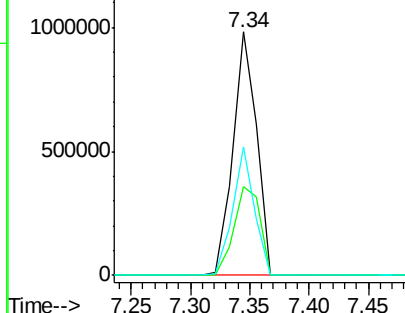
#23
 Nitrobenzene-d5
 Concen: 69.66 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.07 min
 Lab File: BF082957.D
 Acq: 17 Nov 2015 00:21

Instrument :
 BNA_F
 ClientSampleId :
 111615-A263-E-U-M

Tot Ion: 82 Resp: 1350429
 Ion Ratio Lower Upper
 82 100
 128 36.5 26.8 40.2
 54 52.8 45.7 68.5

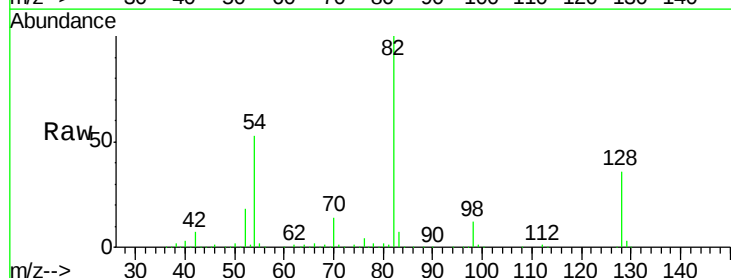


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

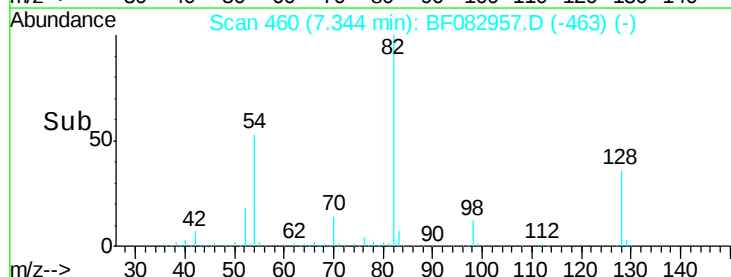
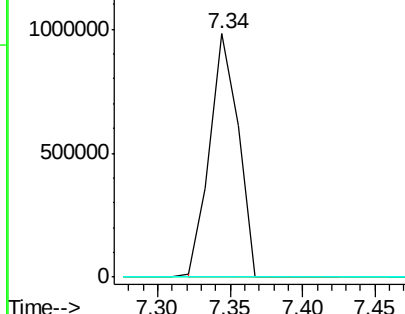


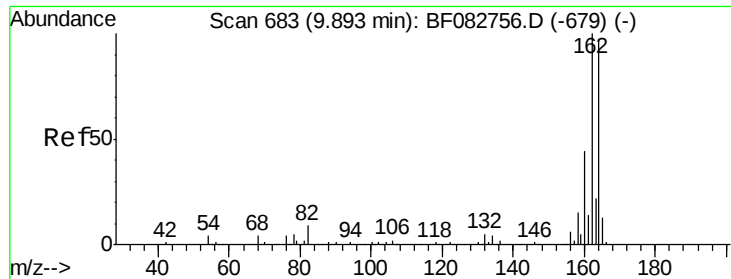
#25
 Isophorone
 Concen: 37.41 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.33 min
 Lab File: BF082957.D
 Acq: 17 Nov 2015 00:21

Tgt Ion: 82 Resp: 1341992
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 9.8#
 138 0.0 11.4 17.0#



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: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA_F

ClientSampleId :

111615-A263-E-U-M

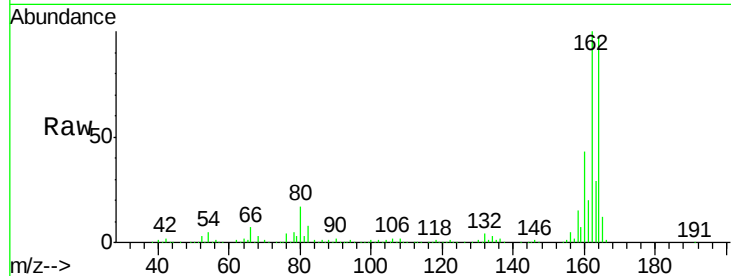
Tot Ion:164 Resp: 504899

Ion Ratio Lower Upper

164 100

162 102.7 84.9 127.3

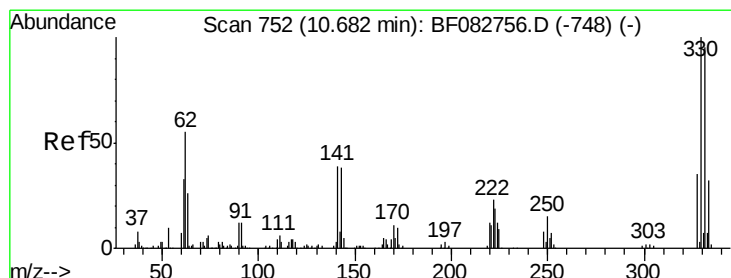
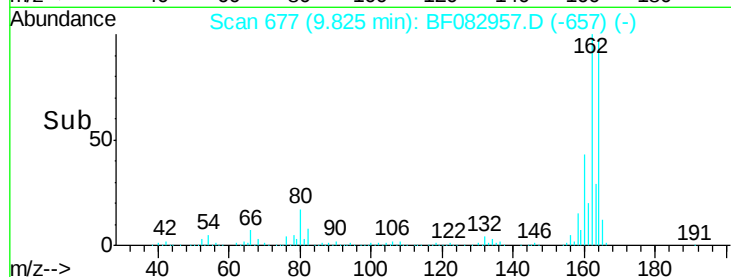
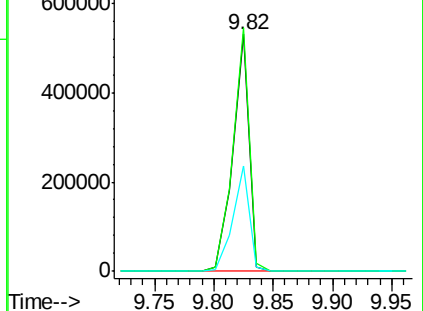
160 44.2 37.5 56.3



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: 63.93 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.07 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

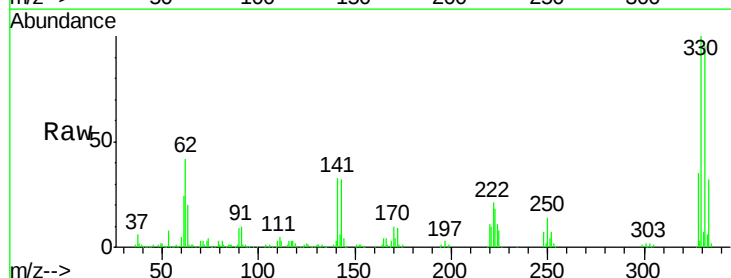
Tgt Ion:330 Resp: 370122

Ion Ratio Lower Upper

330 100

332 95.1 76.6 114.8

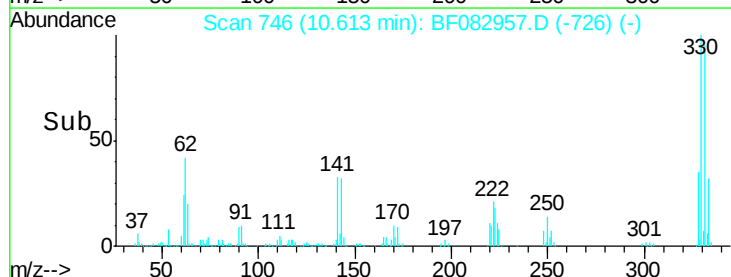
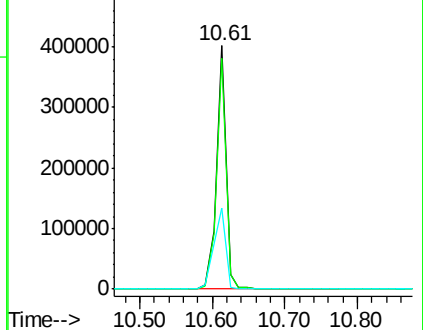
141 41.1 41.2 61.8#

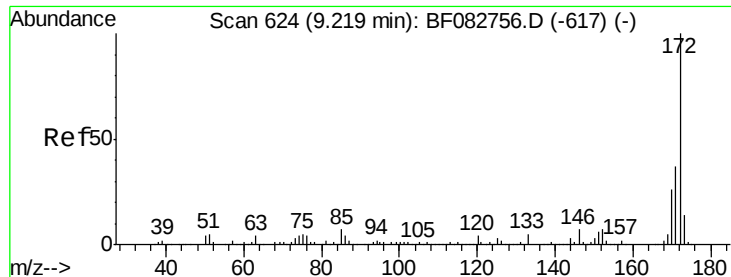


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

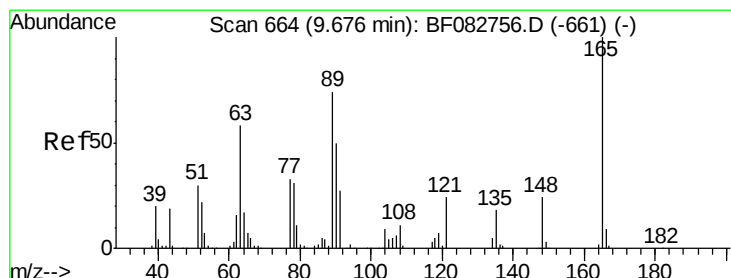
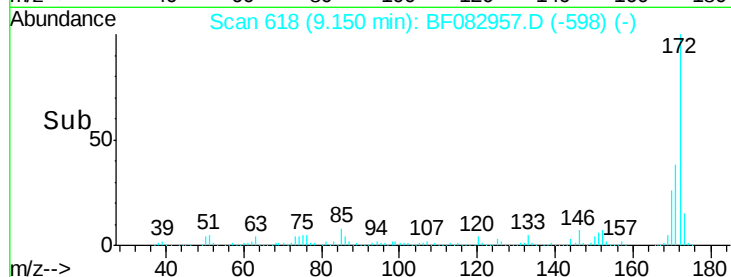
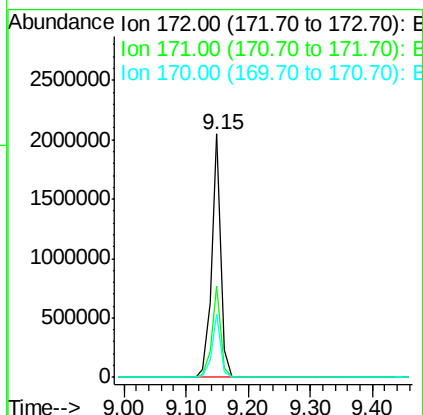
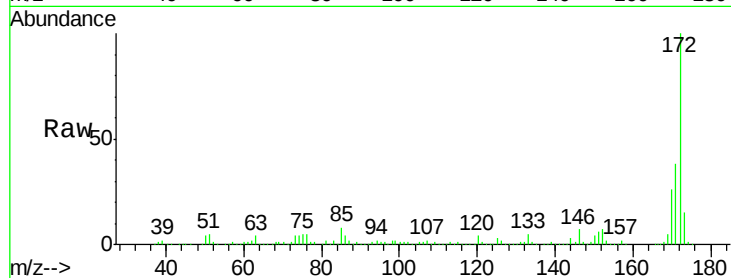




#44
 2-Fluorobiphenyl
 Concen: 58.12 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF082957.D
 Acq: 17 Nov 2015 00:21

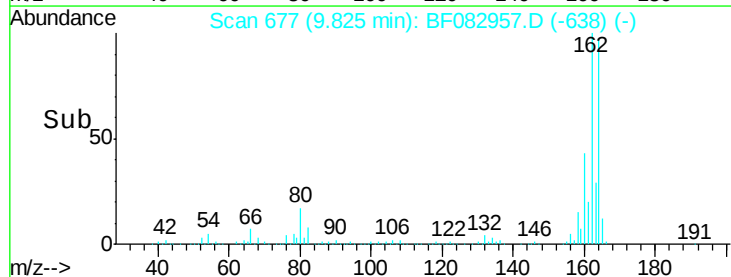
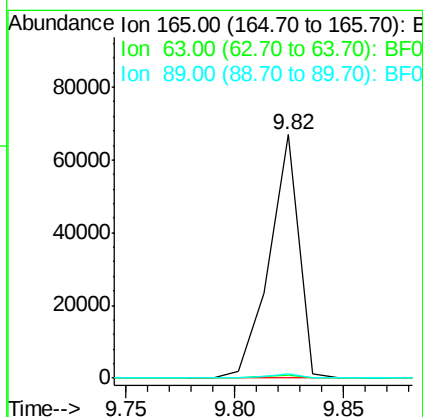
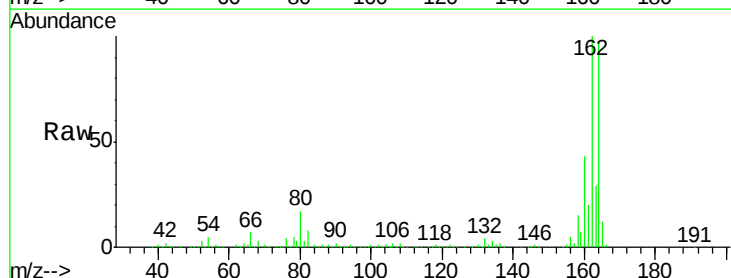
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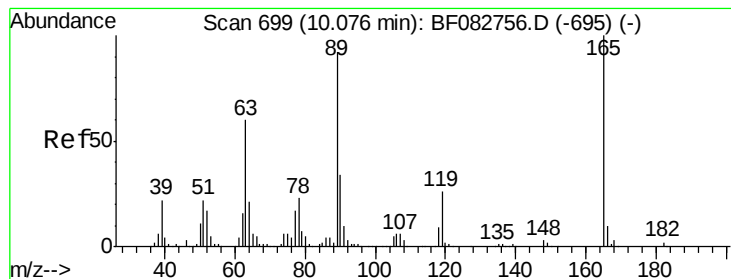
Tot Ion:172 Resp: 2047601
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 25.7 21.2 31.8



#50
 2,6-Dinitrotoluene
 Concen: 7.26 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.15 min
 Lab File: BF082957.D
 Acq: 17 Nov 2015 00:21

Tgt Ion:165 Resp: 64109
 Ion Ratio Lower Upper
 165 100
 63 1.4 55.5 83.3#
 89 1.6 55.0 82.6#





#56

2,4-Dinitrotoluene

Concen: 5.35 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.25 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA_F

ClientSampleId :

111615-A263-E-U-M

Tot Ion:165 Resp: 64098

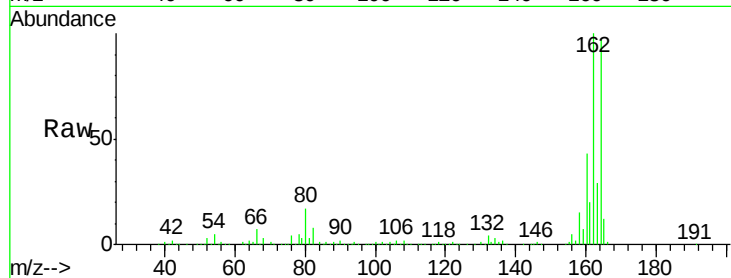
Ion Ratio Lower Upper

165 100

63 1.4 43.4 65.0#

89 1.6 70.6 106.0#

182 0.0 1.5 2.3#

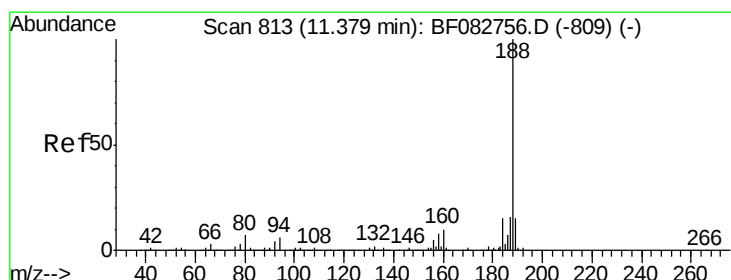
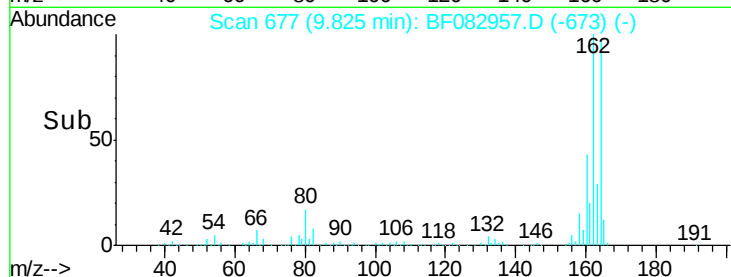
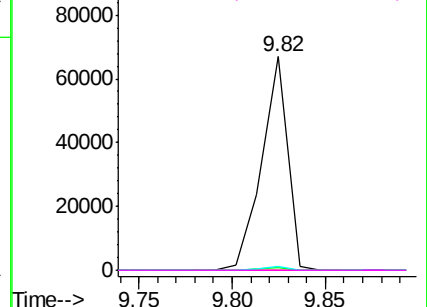


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 806

Delta R.T. -0.08 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

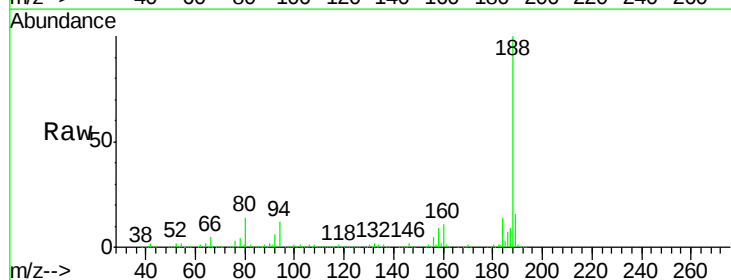
Tgt Ion:188 Resp: 880501

Ion Ratio Lower Upper

188 100

94 11.8 6.1 9.1#

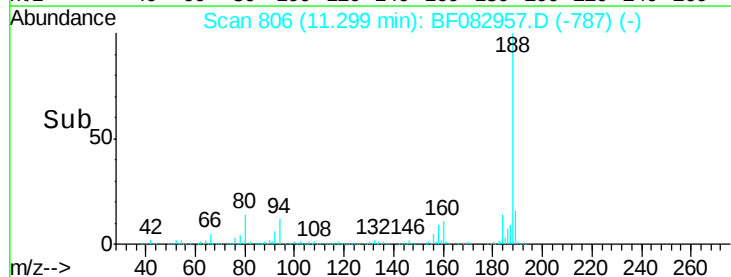
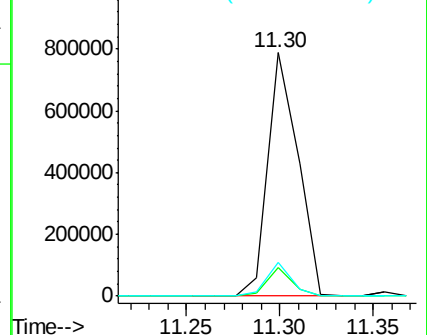
80 13.8 7.0 10.6#

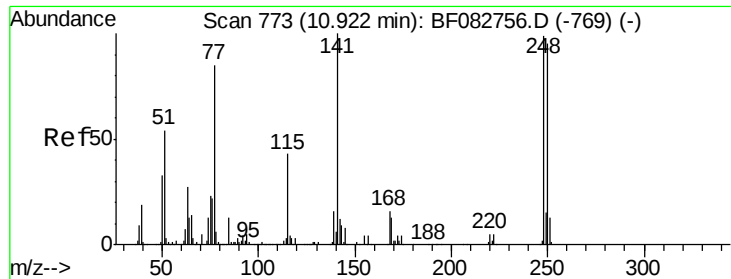


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.54 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.31 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

Instrument :

BNA_F

ClientSampleId :

111615-A263-E-U-M

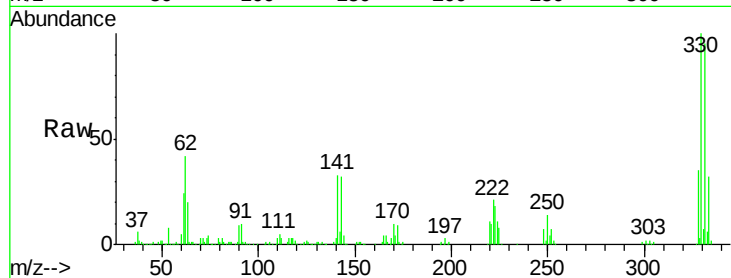
Tot Ion:248 Resp: 26967

Ion Ratio Lower Upper

248 100

250 195.1 79.4 119.2#

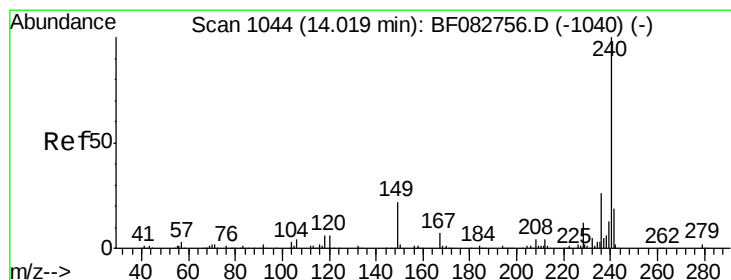
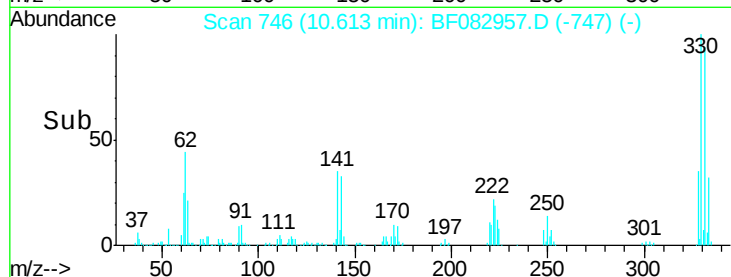
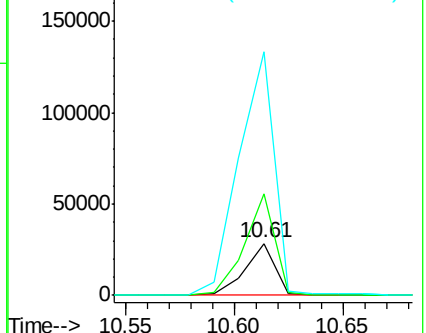
141 469.1 36.3 54.5#



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: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF082957.D

Acq: 17 Nov 2015 00:21

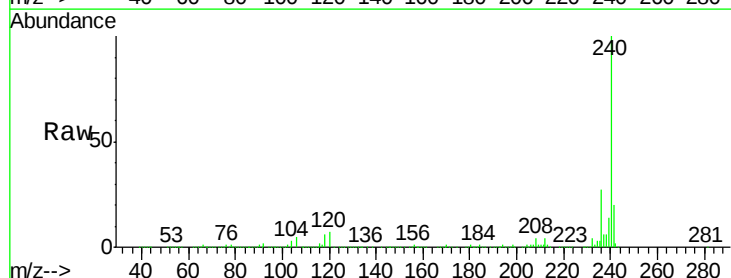
Tgt Ion:240 Resp: 906976

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

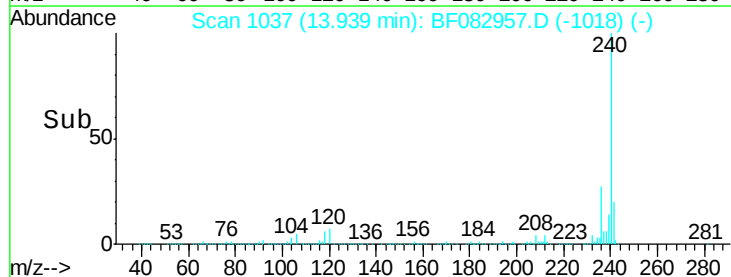
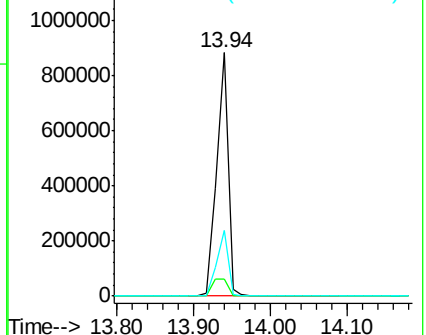
236 27.1 21.6 32.4

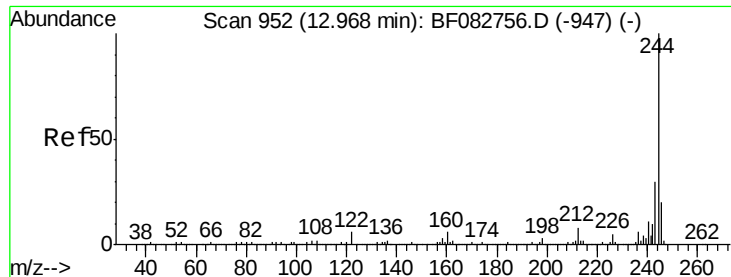


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

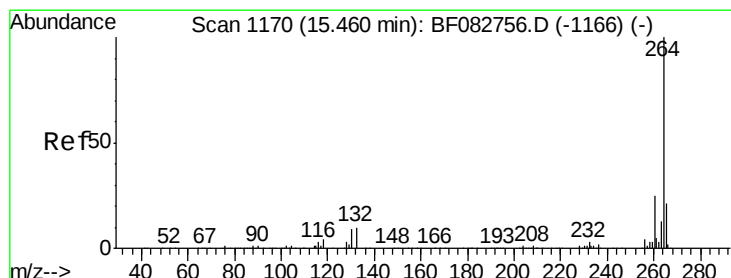
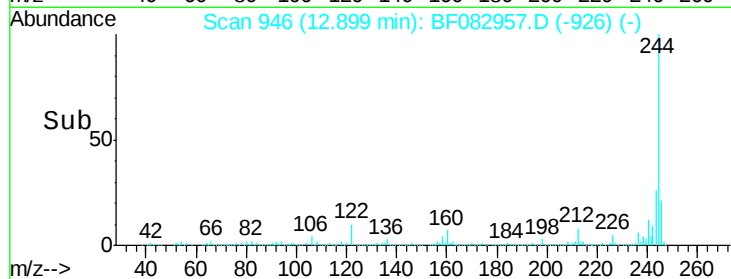
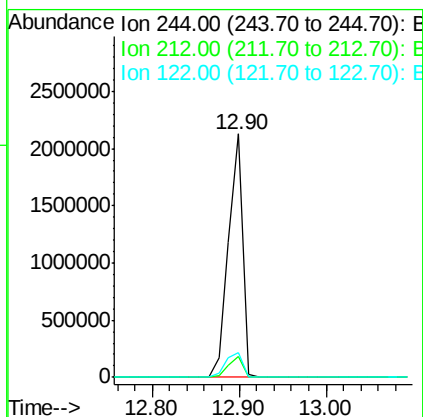
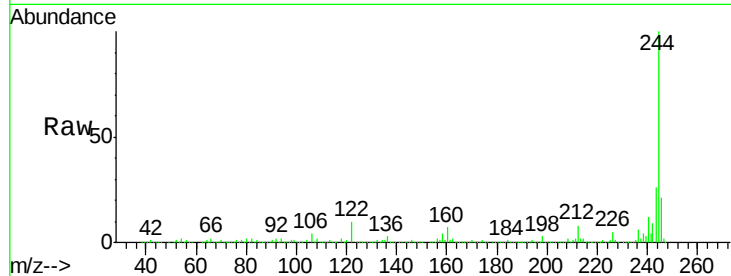




#78
 Terphenyl-d14
 Concen: 63.30 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.07 min
 Lab File: BF082957.D
 Acq: 17 Nov 2015 00:21

Instrument :
 BNA_F
 ClientSampleId :
 111615-A263-E-U-M

Tot Ion:244 Resp: 2420484
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.6 11.4
 122 10.2 11.3 16.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. -0.11 min
 Lab File: BF082957.D
 Acq: 17 Nov 2015 00:21

Tgt Ion:264 Resp: 716007
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.8 29.6
 265 21.4 17.4 26.0

