

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
 Data File : BF080764.D
 Acq On : 1 Aug 2015 6:40
 Operator : TP/UM
 Sample : G3121-07
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-2(0-6FTBGS)

Quant Time: Aug 03 01:00:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

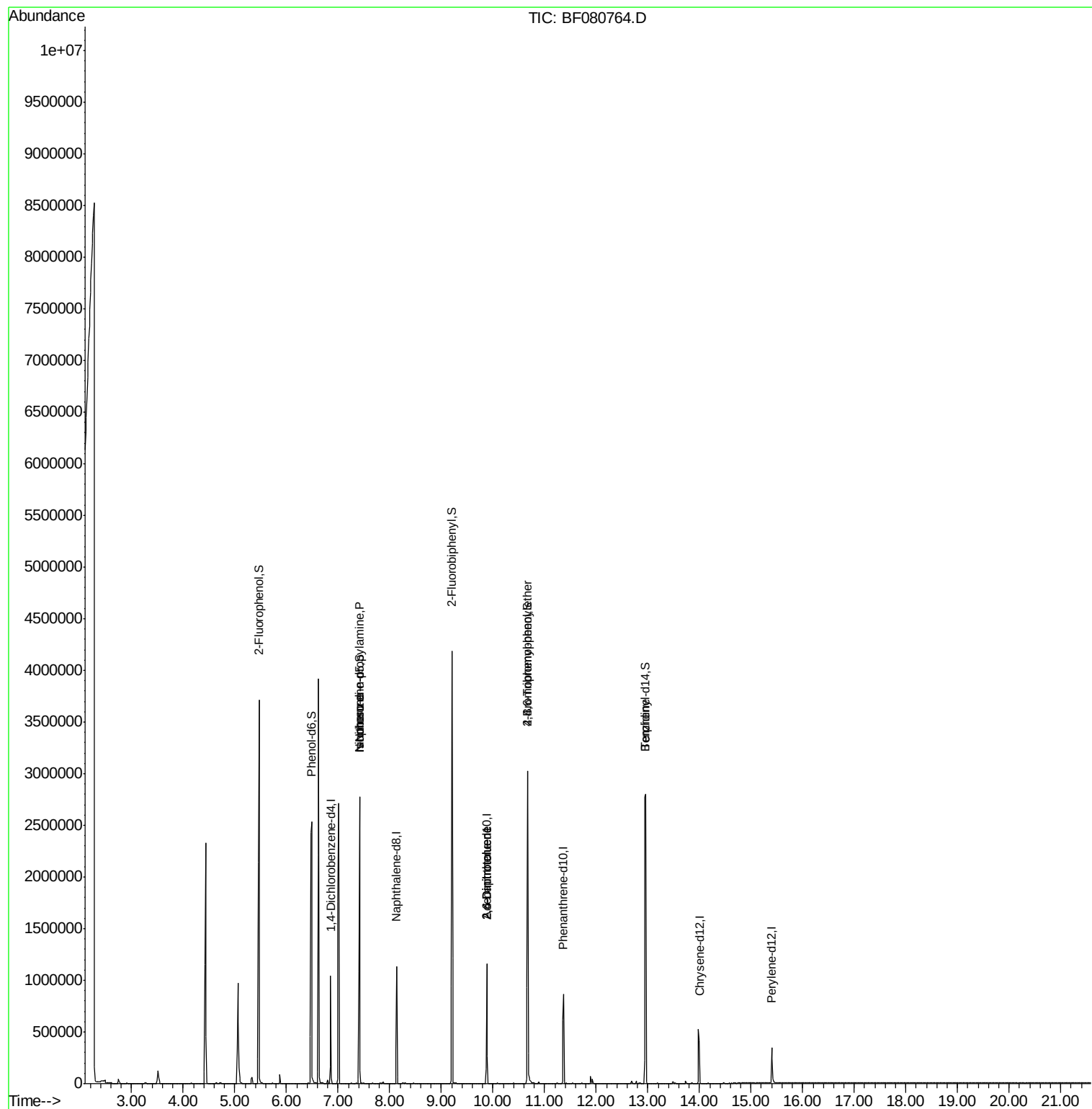
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128891	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	476713	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	222643	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	419669	20.00	ng	0.00
75) Chrysene-d12	14.00	240	244989	20.00	ng	0.00
86) Perylene-d12	15.40	264	181205	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1010800	134.53	ng	0.02
7) Phenol-d6	6.49	99	1251767	122.38	ng	0.00
23) Nitrobenzene-d5	7.41	82	882250	89.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	360622	156.10	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1428947	95.75	ng	-0.01
78) Terphenyl-d14	12.96	244	1372733	105.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	1590	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	125503	18.22 ng	#	75
25) Isophorone	7.41	82	869995	49.70 ng	#	71
50) 2,6-Dinitrotoluene	9.88	165	28743	8.63 ng	#	15
56) 2,4-Dinitrotoluene	9.88	165	28745	6.58 ng	#	16
66) 4-Bromophenyl-phenylether	10.67	248	23214	5.36 ng	#	1
76) Benizidine	12.94	184	18982	2.13 ng		97

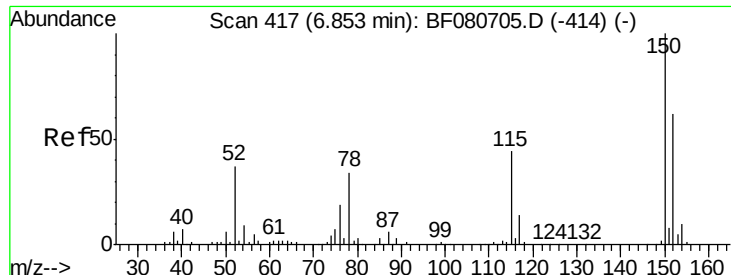
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

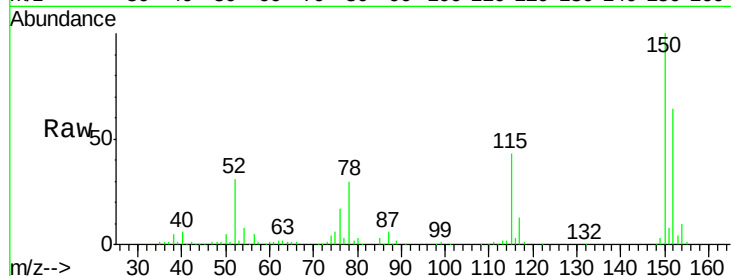
Tgt Ion:152 Resp: 128891

Ion Ratio Lower Upper

152 100

150 157.0 129.6 194.4

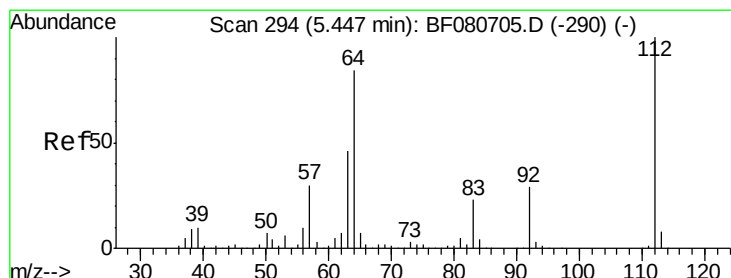
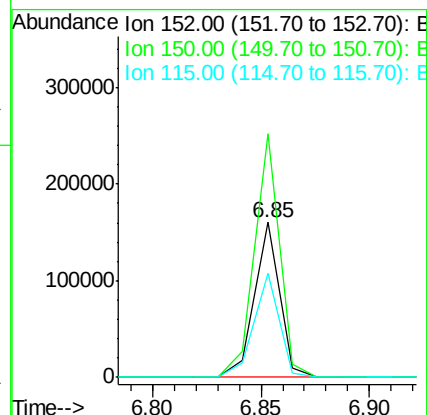
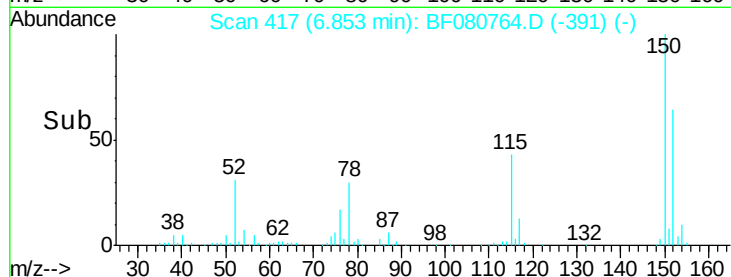
115 67.4 56.6 85.0



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: 134.53 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.02 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

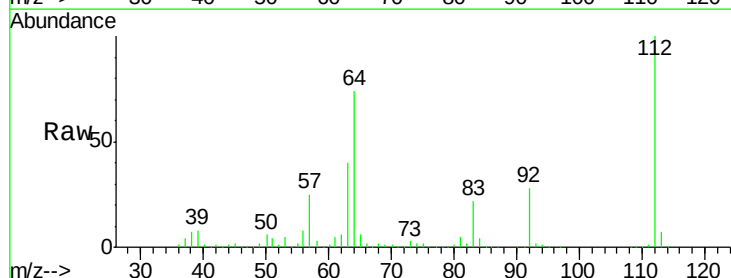
Tgt Ion:112 Resp: 1010800

Ion Ratio Lower Upper

112 100

64 74.0 66.8 100.2

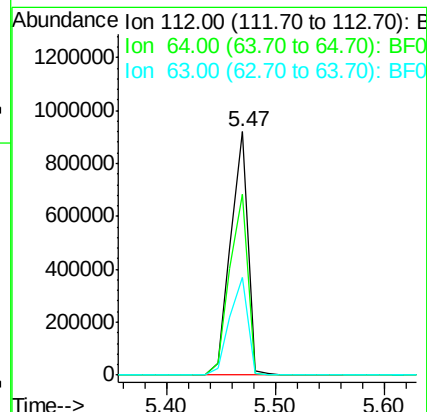
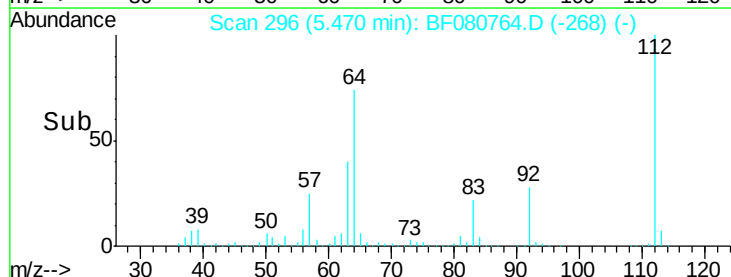
63 40.3 36.7 55.1

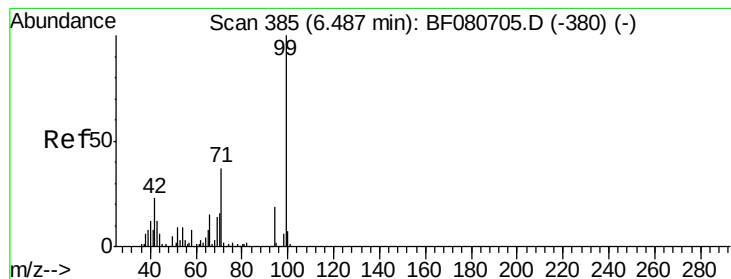


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.38 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

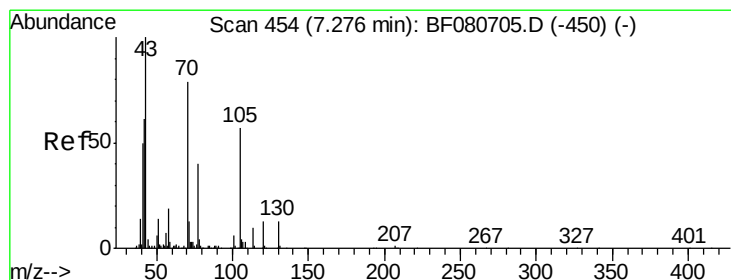
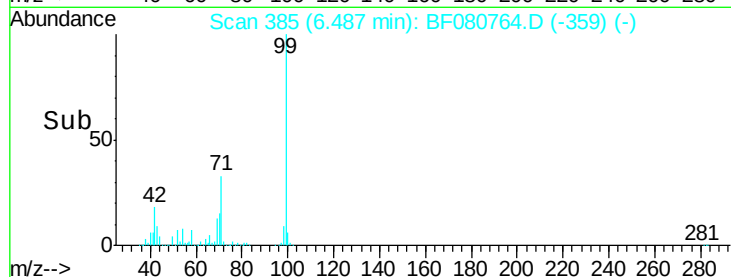
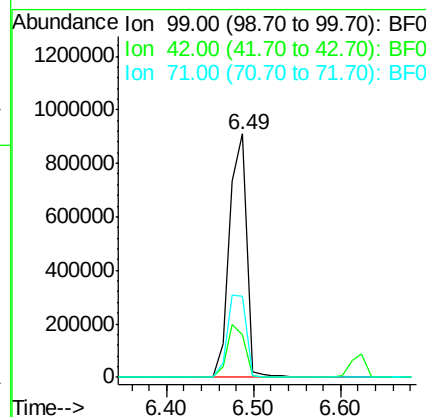
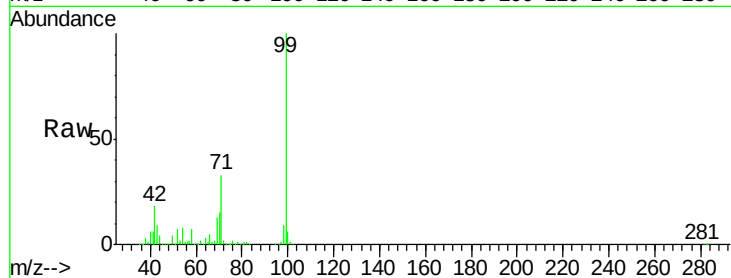
Tgt Ion: 99 Resp: 1251767

Ion Ratio Lower Upper

99 100

42 17.6 18.2 27.2#

71 33.3 29.5 44.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.22 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

Tgt Ion: 70 Resp: 125503

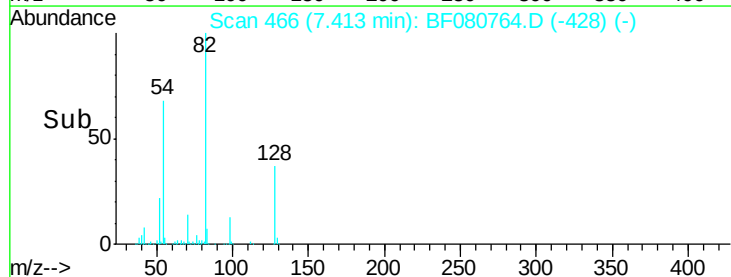
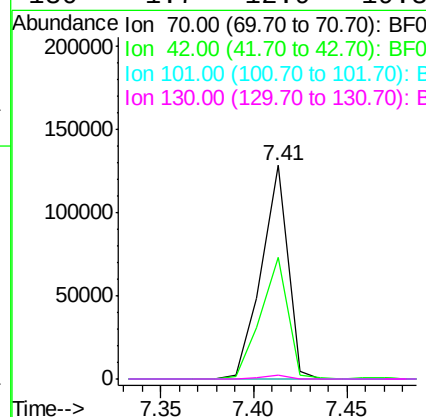
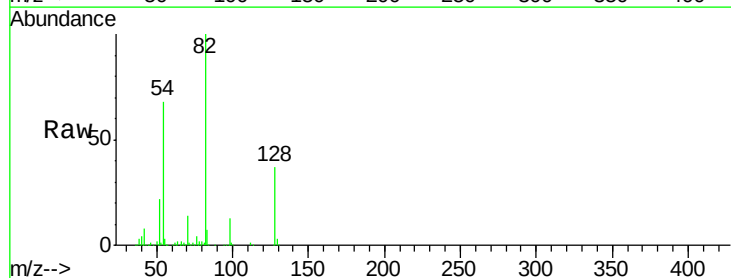
Ion Ratio Lower Upper

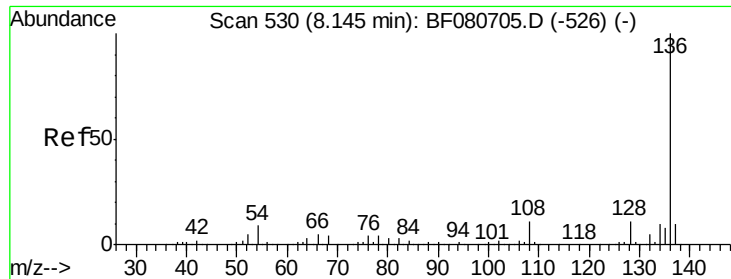
70 100

42 57.1 61.8 92.6#

101 0.0 6.1 9.1#

130 1.7 12.9 19.3#

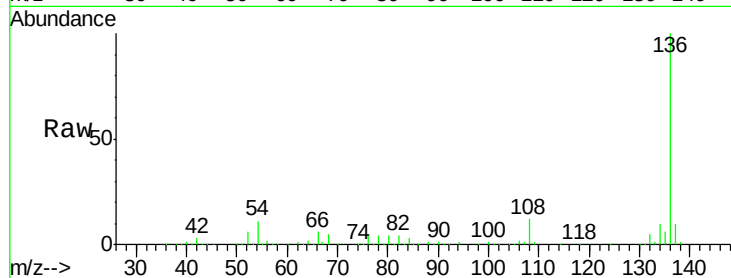




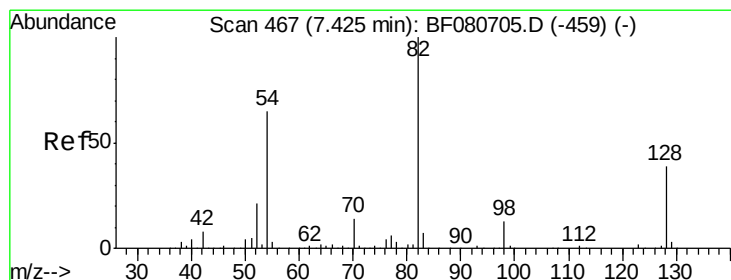
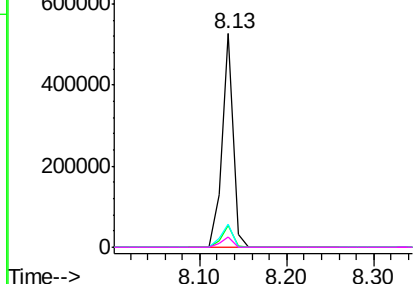
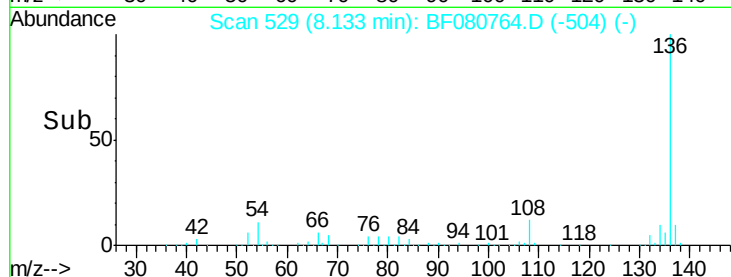
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080764.D
Acq: 1 Aug 2015 6:40

Instrument :
BNA_F
ClientSampleId :
NCQ-077CS-2(0-6FTBGS)

Tgt Ion:	136	Resp:	476713
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.4	12.6
54	11.1	6.9	10.3#
68	4.9	3.5	5.3

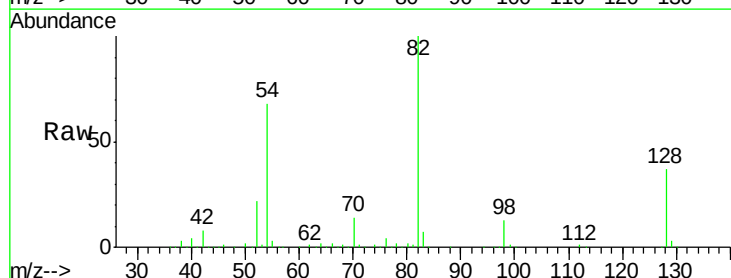


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

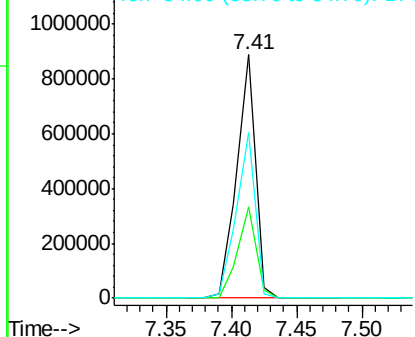
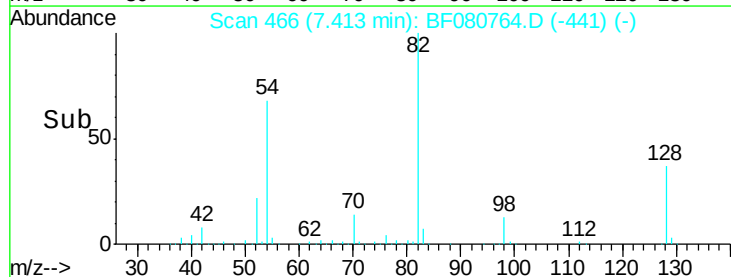


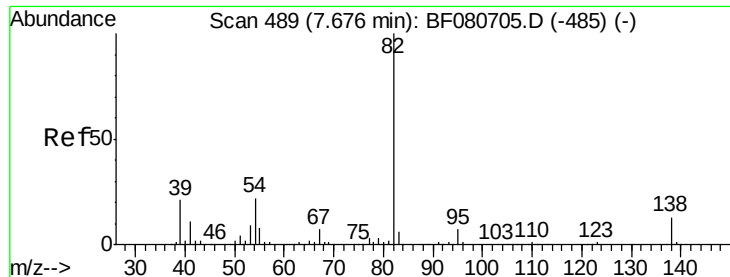
#23
Nitrobenzene-d5
Concen: 89.62 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080764.D
Acq: 1 Aug 2015 6:40

Tgt Ion:	82	Resp:	882250
Ion Ratio	Lower	Upper	
82	100		
128	37.4	31.5	47.3
54	68.0	51.8	77.8



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: 49.70 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

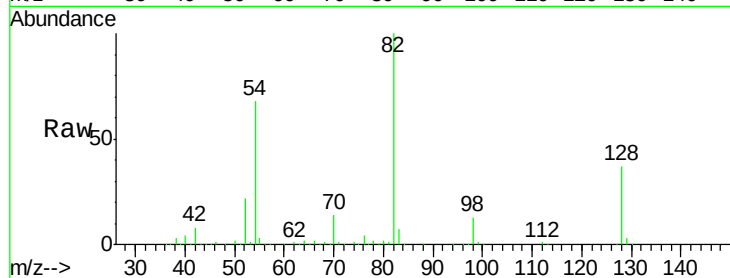
Tgt Ion: 82 Resp: 869995

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 10.7 16.1#

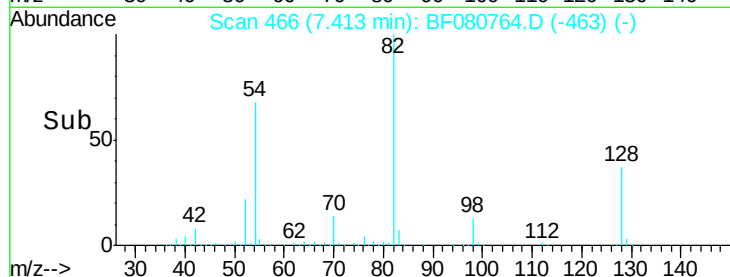


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

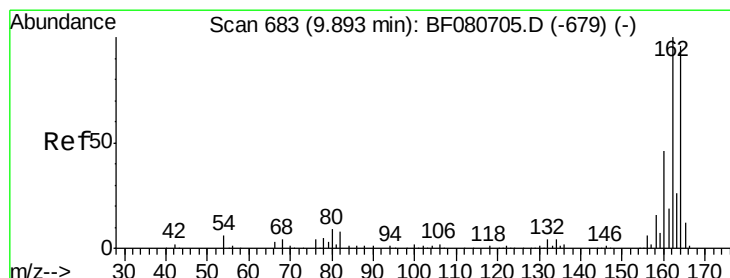
Ion 138.00 (137.70 to 138.70): E

Time-->



7.41

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

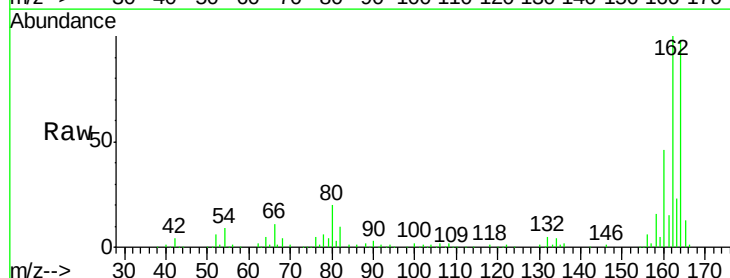
Tgt Ion: 164 Resp: 222643

Ion Ratio Lower Upper

164 100

162 101.6 83.4 125.0

160 47.1 38.0 57.0

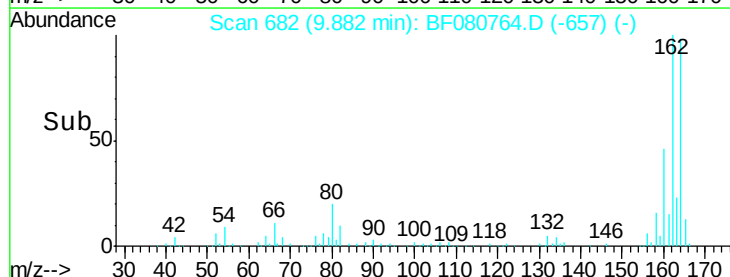


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

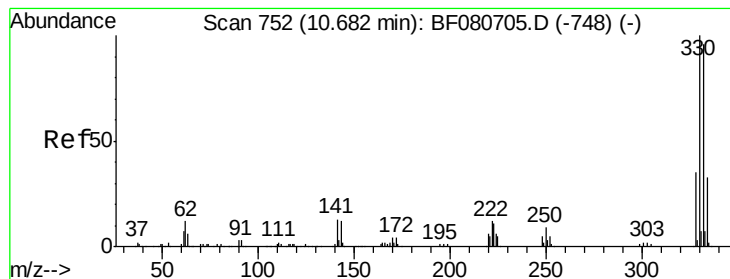
Ion 160.00 (159.70 to 160.70): E

Time-->



9.88

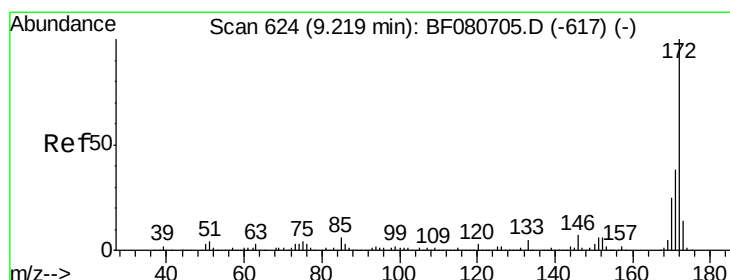
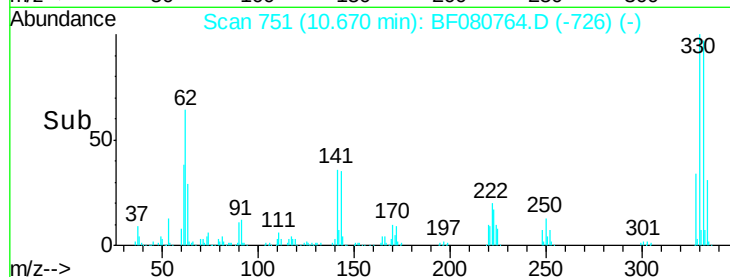
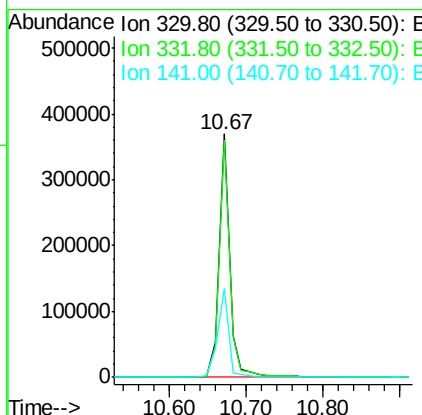
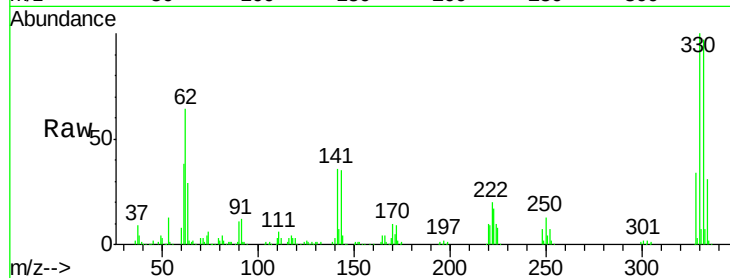
Time-->



#41
 2,4,6-Tribromophenol
 Concen: 156.10 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080764.D
 Acq: 1 Aug 2015 6:40

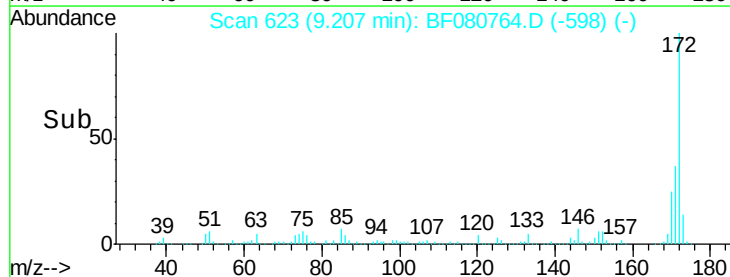
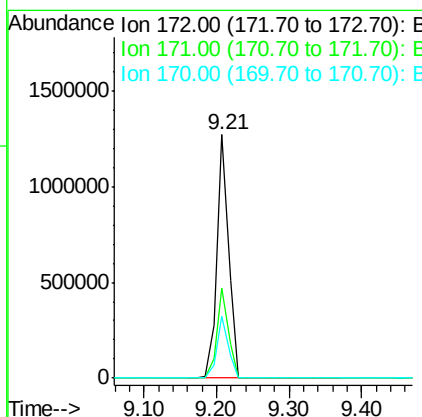
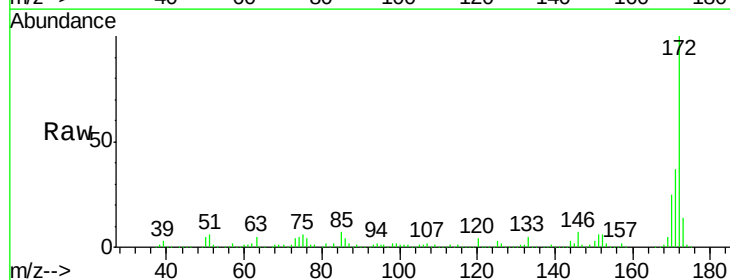
Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-2(0-6FTBGS)

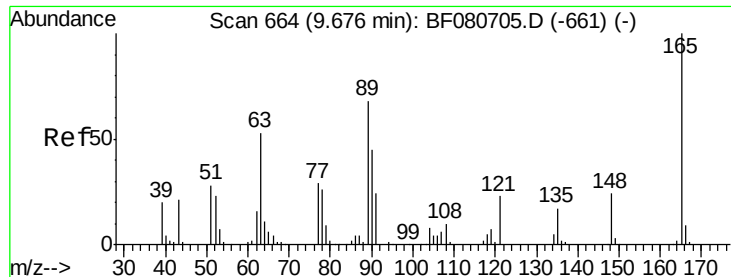
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	38.1	26.0	39.0



#44
 2-Fluorobiphenyl
 Concen: 95.75 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF080764.D
 Acq: 1 Aug 2015 6:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.2	45.4
170	25.2	20.2	30.2

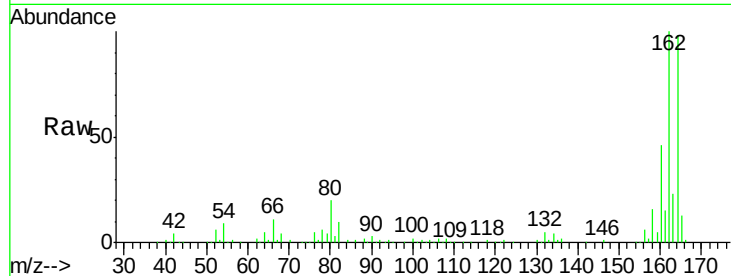




#50
 2,6-Dinitrotoluene
 Concen: 8.63 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.21 min
 Lab File: BF080764.D
 Acq: 1 Aug 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-2(0-6FTBGS)

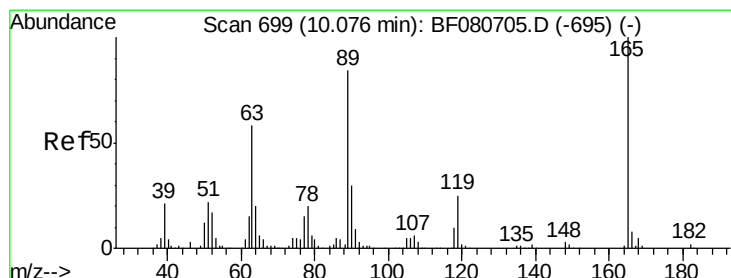
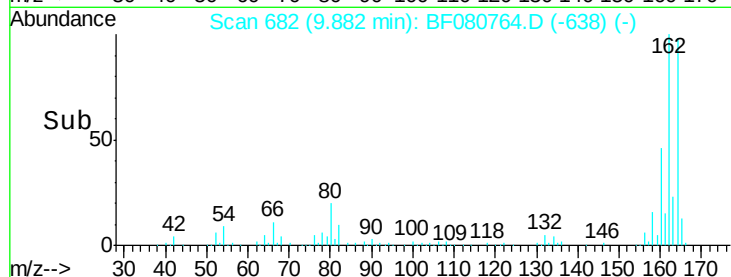
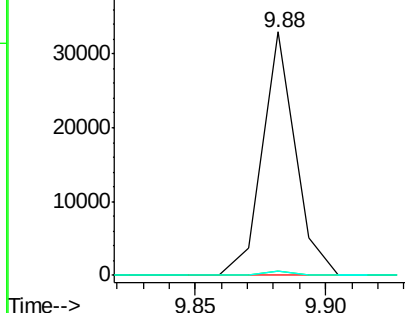
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	62.3	93.5#
89	1.6	54.8	82.2#



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: 6.58 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF080764.D
 Acq: 1 Aug 2015 6:40

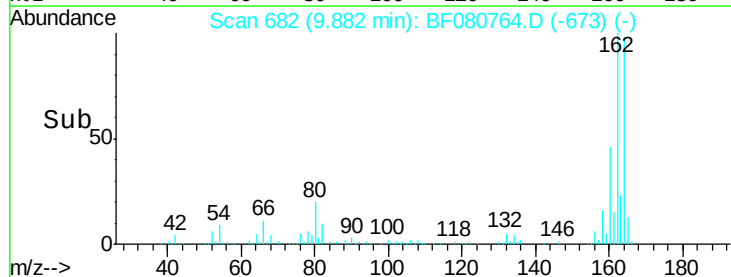
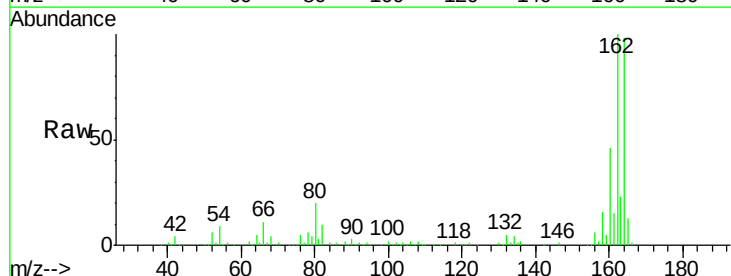
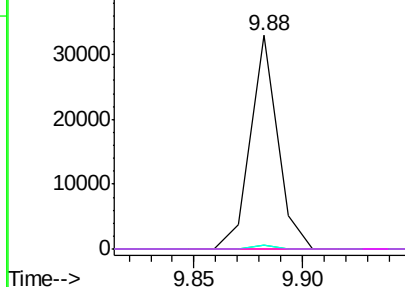
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	46.7	70.1#
89	1.6	67.4	101.2#
182	0.0	1.8	2.6#

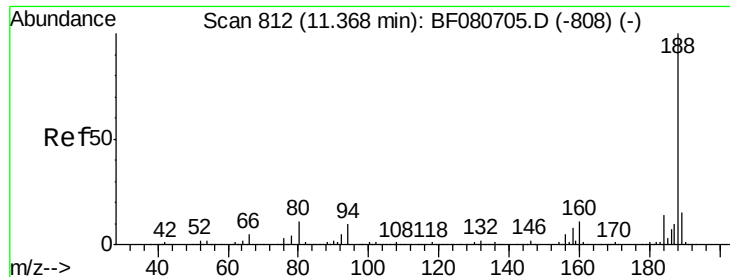
Abundance Ion 165.00 (164.70 to 165.70): E

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

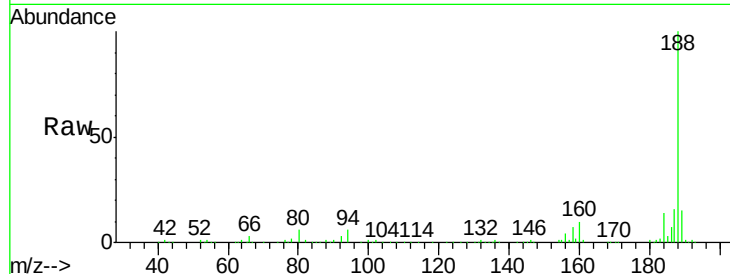




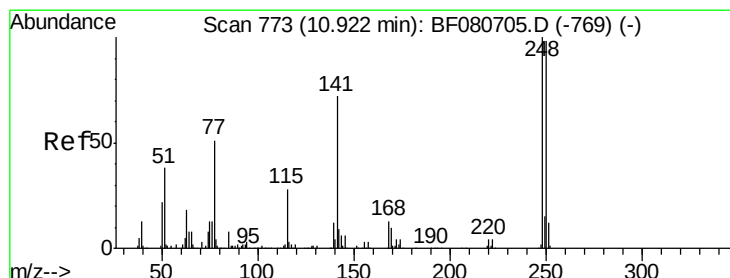
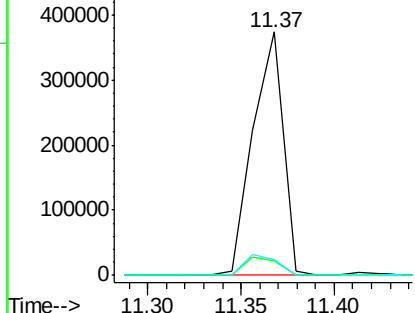
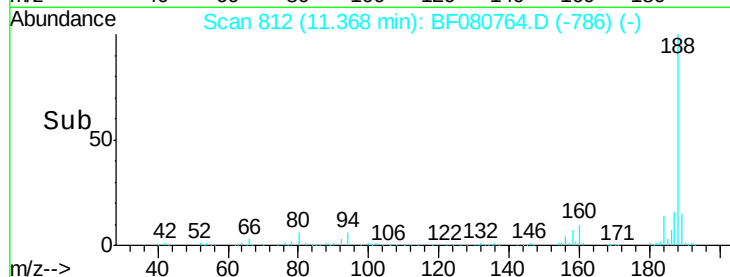
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF080764.D
 Acq: 1 Aug 2015 6:40

Instrument :
 BNA_F
 ClientSampleId :
 NCQ-077CS-2(0-6FTBGS)

Tgt Ion:188 Resp: 419669
 Ion Ratio Lower Upper
 188 100
 94 5.9 8.1 12.1#
 80 6.3 9.1 13.7#

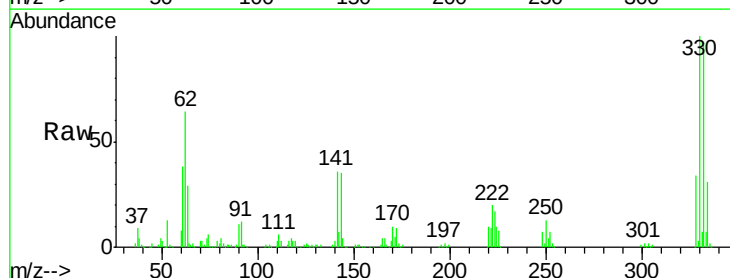


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

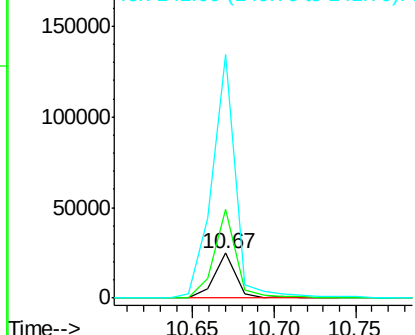
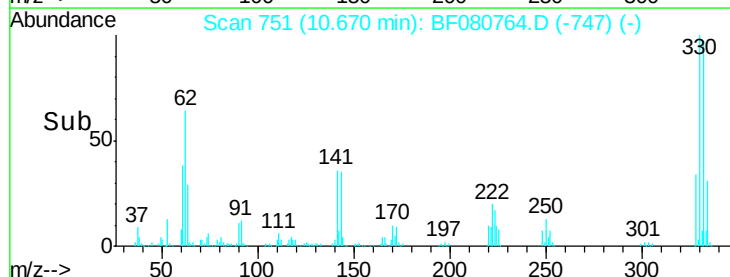


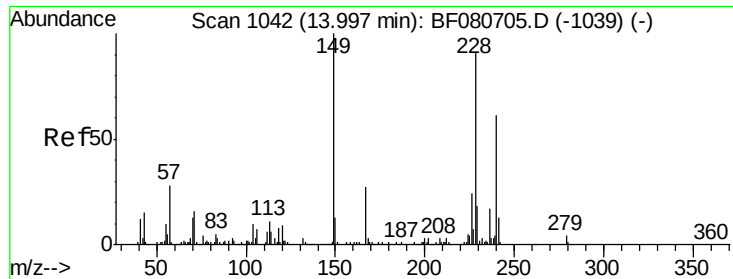
#66
 4-Bromophenyl-phenylether
 Concen: 5.36 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF080764.D
 Acq: 1 Aug 2015 6:40

Tgt Ion:248 Resp: 23214
 Ion Ratio Lower Upper
 248 100
 250 197.6 78.4 117.6#
 141 539.6 57.5 86.3#



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: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

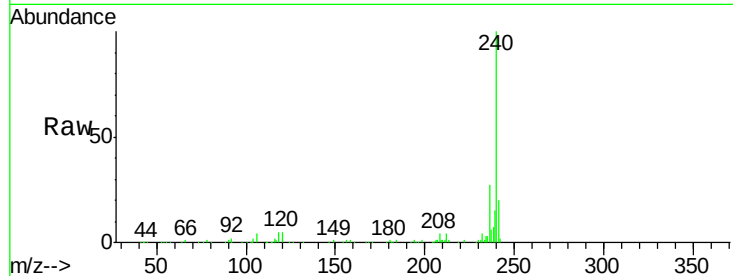
Tgt Ion:240 Resp: 244989

Ion Ratio Lower Upper

240 100

120 5.0 11.8 17.8#

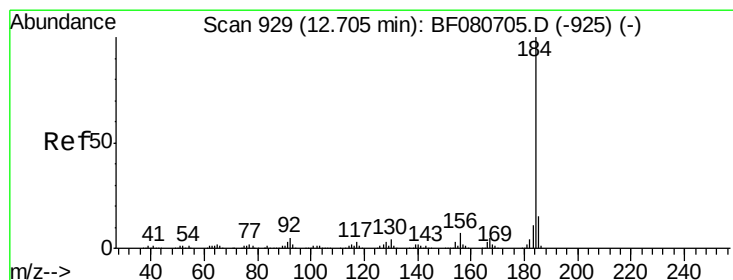
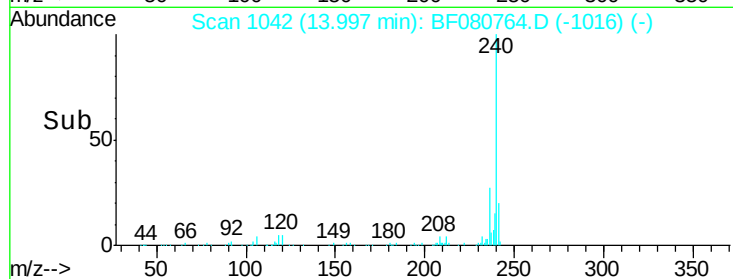
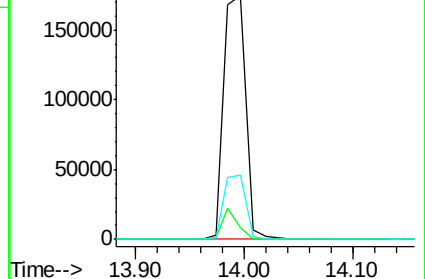
236 26.7 21.8 32.8



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: 2.13 ng

RT: 12.94 min Scan# 950

Delta R.T. 0.24 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

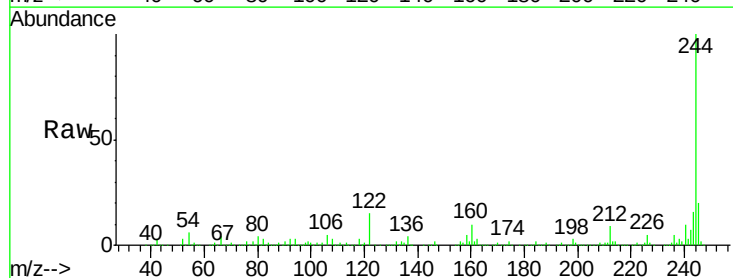
Tgt Ion:184 Resp: 18982

Ion Ratio Lower Upper

184 100

185 16.7 12.0 18.0

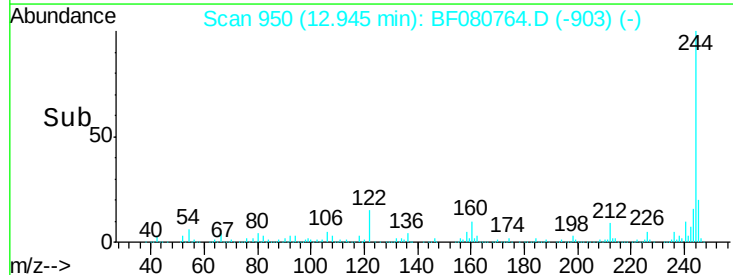
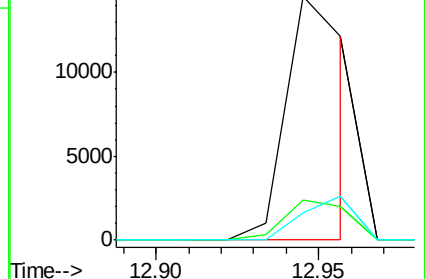
183 11.1 9.1 13.7

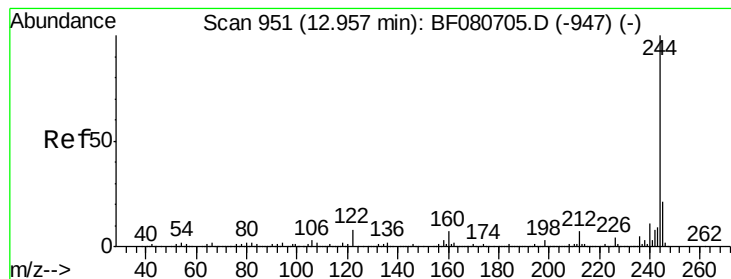


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.97 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

Instrument :

BNA_F

ClientSampleId :

NCQ-077CS-2(0-6FTBGS)

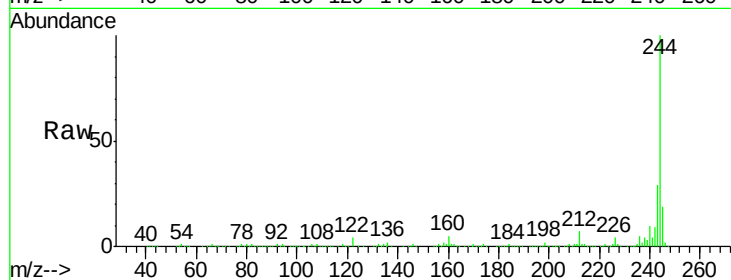
Tgt Ion:244 Resp: 1372733

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

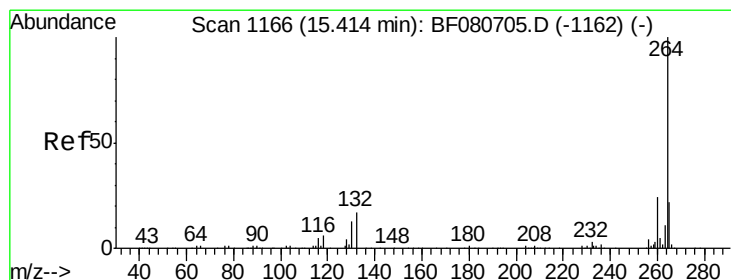
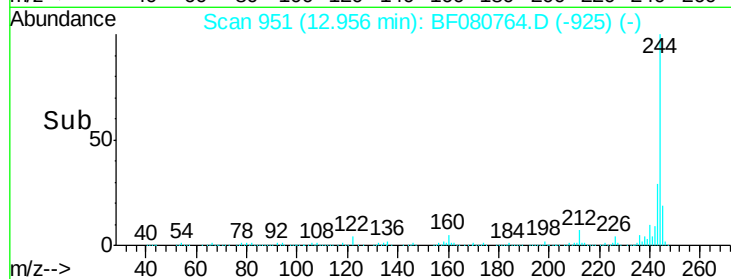
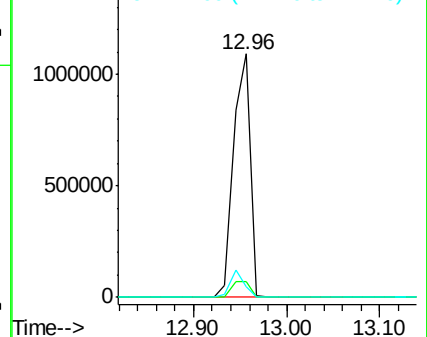
122 4.4 6.6 9.8#



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: 15.40 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF080764.D

Acq: 1 Aug 2015 6:40

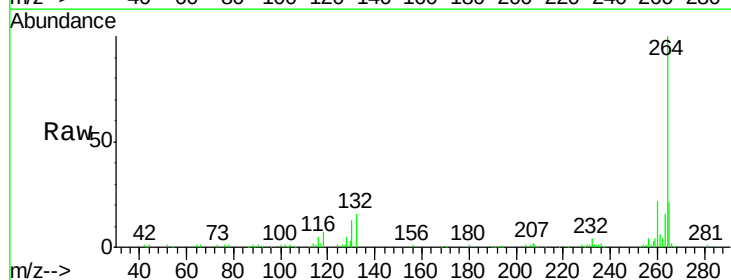
Tgt Ion:264 Resp: 181205

Ion Ratio Lower Upper

264 100

260 22.4 19.4 29.0

265 20.9 17.3 25.9



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

