

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084436.D
 Acq On : 13 Jan 2016 3:47
 Operator : SJ/UM
 Sample : H1078-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P0-011

Quant Time: Jan 13 04:52:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	272517	20.00	ng	-0.06
21) Naphthalene-d8	8.12	136	1049977	20.00	ng	-0.07
38) Acenaphthene-d10	9.88	164	515307	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	905637	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	576653	20.00	ng	-0.07
86) Perylene-d12	15.43	264	486997	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1000883	59.41	ng	-0.04
7) Phenol-d6	6.48	99	771204	36.45	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1592433	84.41	ng	-0.07
41) 2,4,6-Tribromophenol	10.67	330	533743	102.59	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2439180	83.13	ng	-0.06
78) Terphenyl-d14	12.96	244	1992067	77.11	ng	-0.06

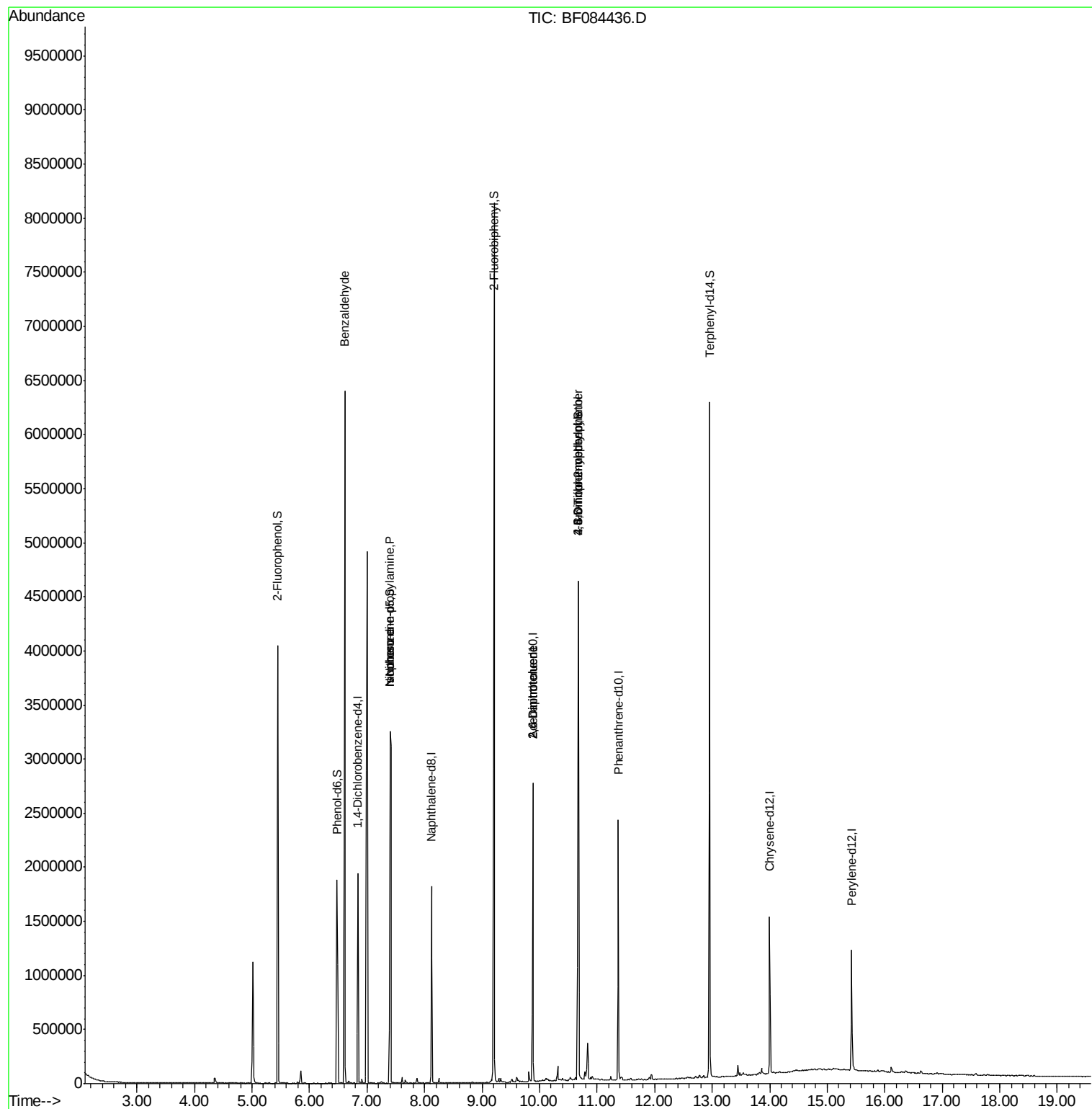
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	40462	2.94	ng	# 76
19) n-Nitroso-di-n-propylamine	7.40	70	212407	14.83	ng	# 70
25) Isophorone	7.40	82	1482387	41.08	ng	# 66
50) 2,6-Dinitrotoluene	9.88	165	68008	8.42	ng	# 37
54) Dibenzofuran	10.09	168	1337	Below Cal		# 76
56) 2,4-Dinitrotoluene	9.88	165	68011	6.65	ng	# 21
57) Fluorene	10.43	166	1127	Below Cal		# 90
64) 4,6-Dinitro-2-methylphenol	10.67	198	1068	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	33293	3.42	ng	# 1
73) Di-n-butylphthalate	11.93	149	5525	Below Cal		# 81

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.06 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

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BNA_F

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P0-011

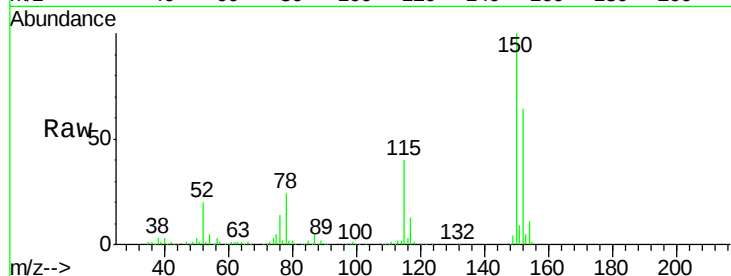
Tgt Ion:152 Resp: 272517

Ion Ratio Lower Upper

152 100

150 156.3 123.0 184.4

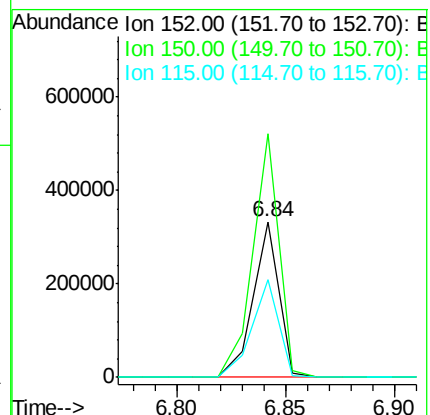
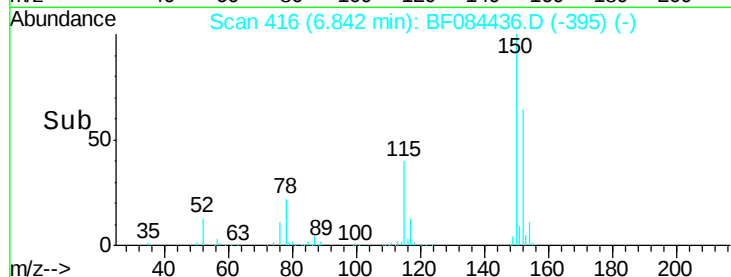
115 62.4 51.4 77.2



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: 59.41 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

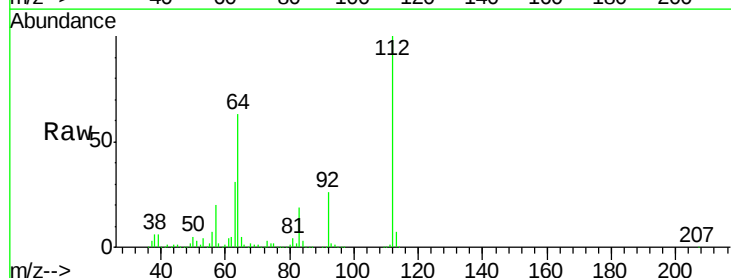
Tgt Ion:112 Resp: 1000883

Ion Ratio Lower Upper

112 100

64 62.7 36.6 55.0#

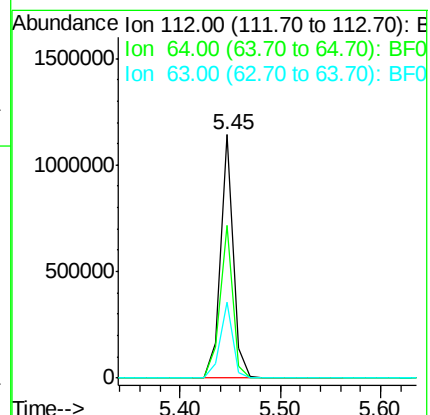
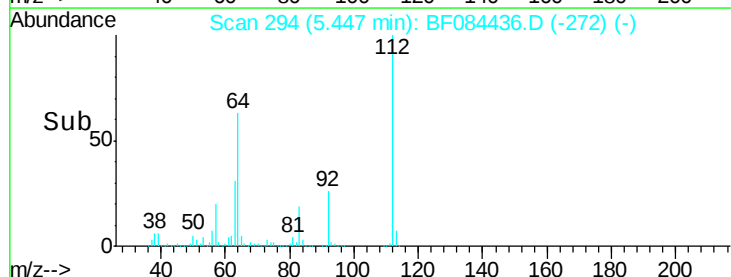
63 31.3 19.4 29.0#

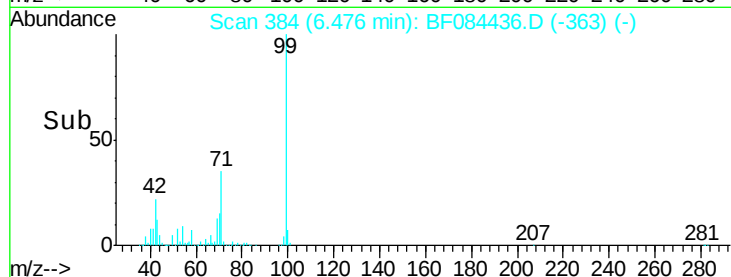
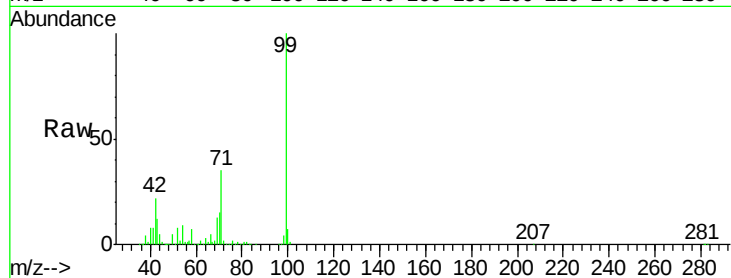
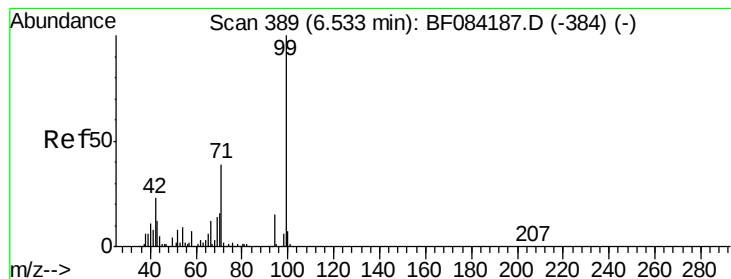


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.45 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

Instrument :

BNA_F

ClientSampleId :

P0-011

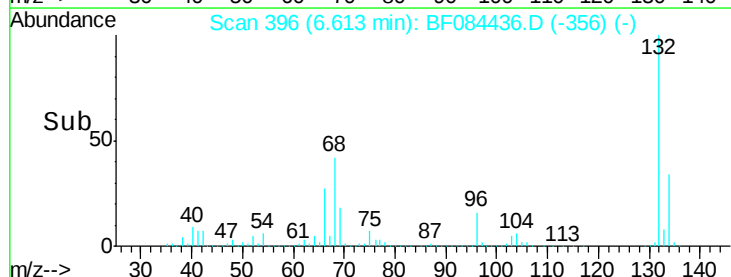
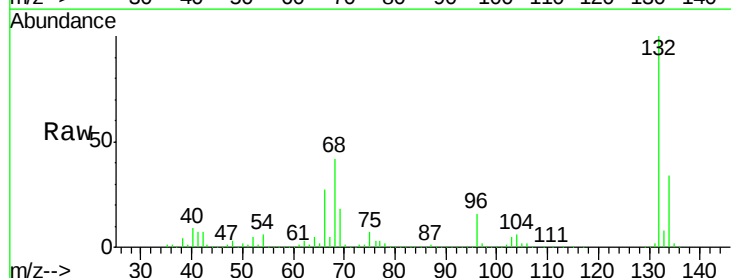
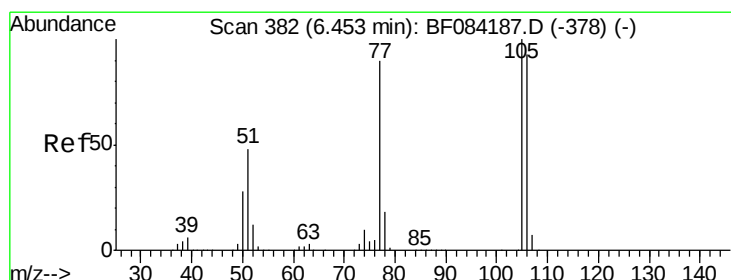
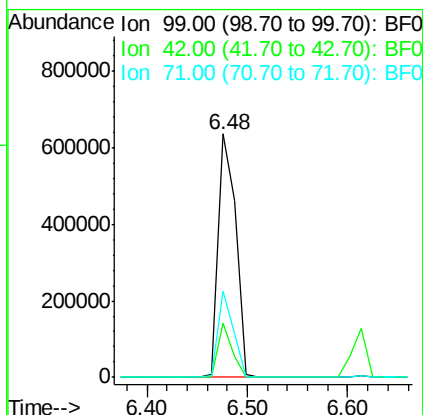
Tgt Ion: 99 Resp: 771204

Ion Ratio Lower Upper

99 100

42 22.3 12.8 19.2#

71 35.2 30.9 46.3



#9

Benzaldehyde

Concen: 2.94 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.16 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

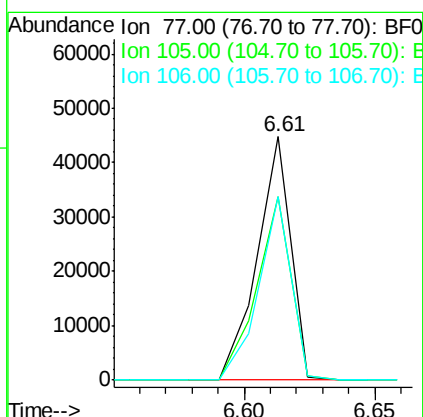
Tgt Ion: 77 Resp: 40462

Ion Ratio Lower Upper

77 100

105 75.2 83.0 123.0#

106 75.2 74.6 114.6

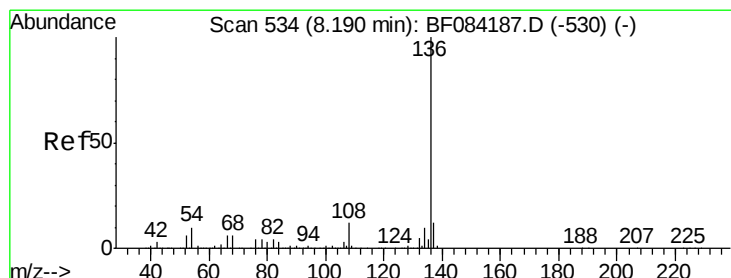
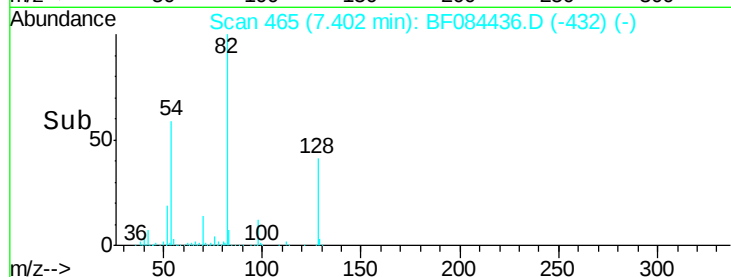
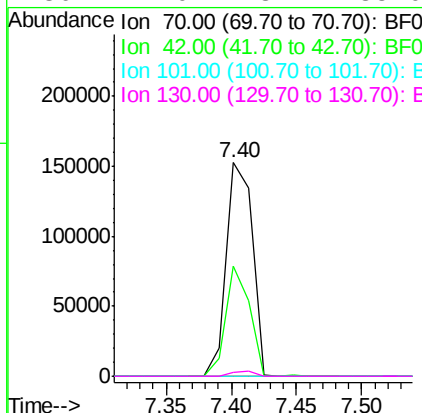
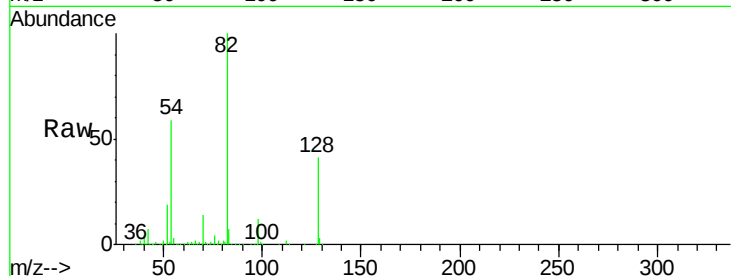




#19
n-Nitroso-di-n-propylamine
Concen: 14.83 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.08 min
Lab File: BF084436.D
Acq: 13 Jan 2016 3:47

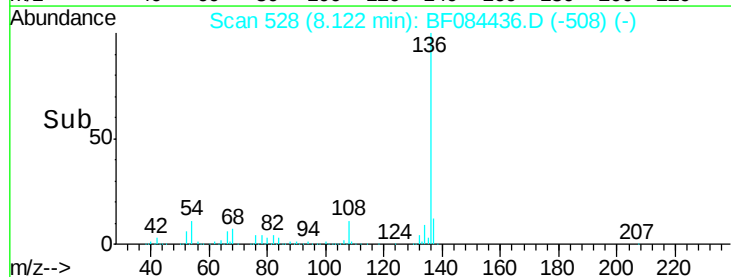
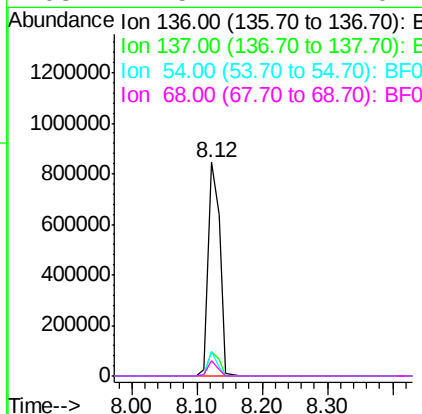
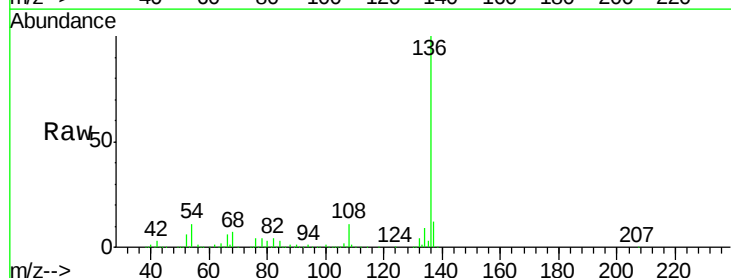
Instrument :
BNA_F
ClientSampleId :
P0-011

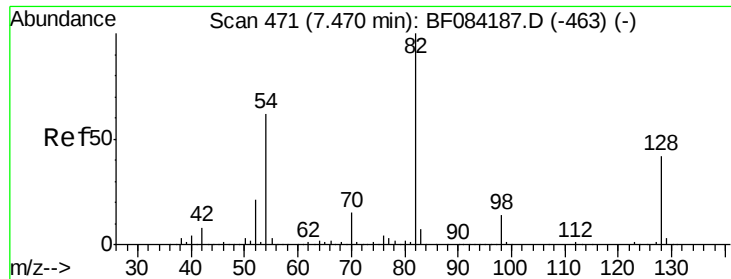
Tgt Ion: 70 Resp: 212407
Ion Ratio Lower Upper
70 100
42 51.6 33.3 49.9#
101 0.0 9.3 13.9#
130 2.0 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.07 min
Lab File: BF084436.D
Acq: 13 Jan 2016 3:47

Tgt Ion: 136 Resp: 1049977
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 11.5 5.8 8.8#
68 7.5 4.2 6.2#

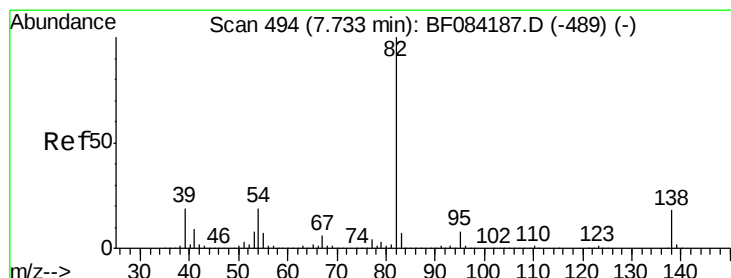
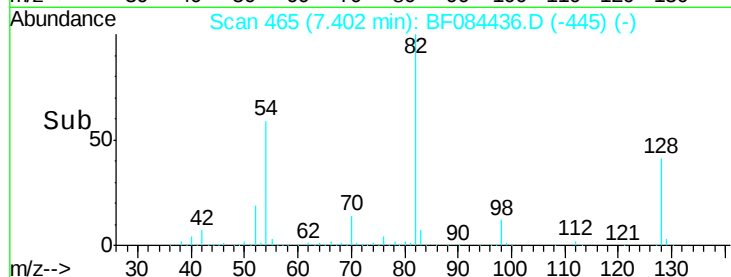
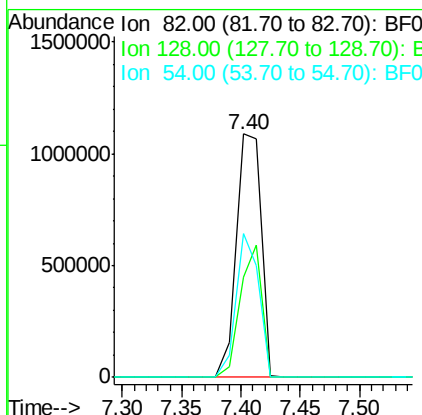
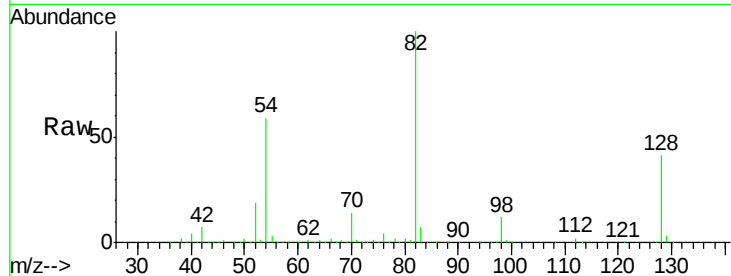




#23
 Nitrobenzene-d5
 Concen: 84.41 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.07 min
 Lab File: BF084436.D
 Acq: 13 Jan 2016 3:47

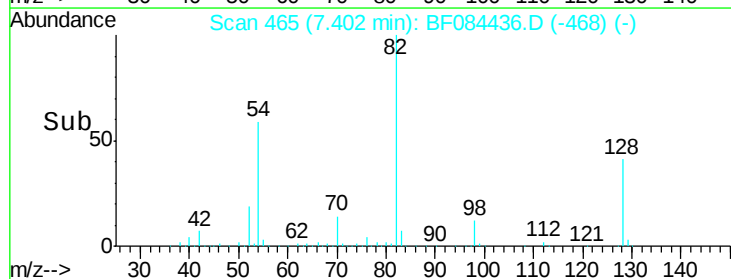
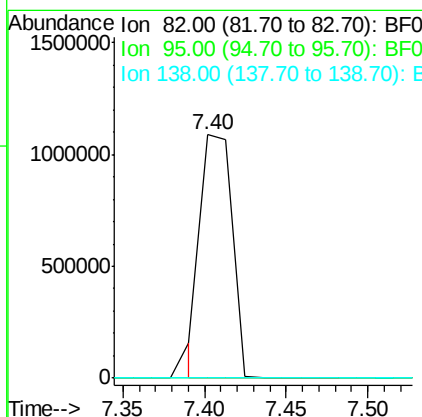
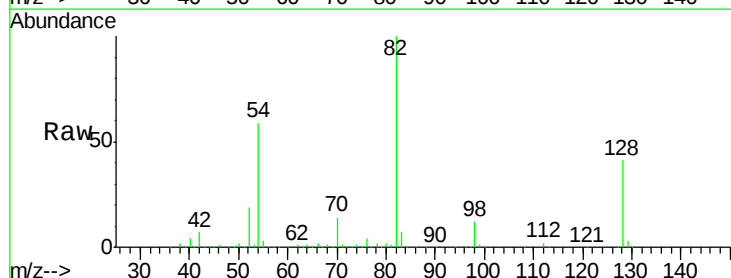
Instrument :
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 ClientSampleID :
 P0-011

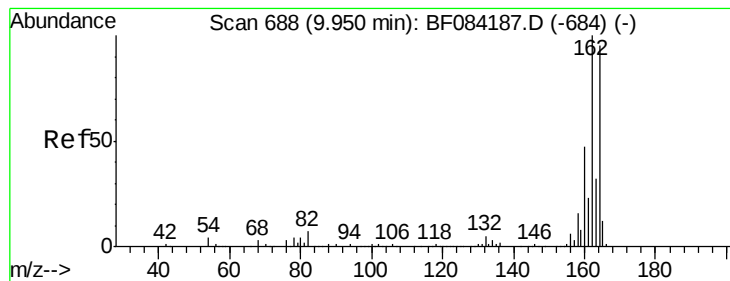
Tgt Ion: 82 Resp: 1592433
 Ion Ratio Lower Upper
 82 100
 128 41.4 34.6 51.8
 54 59.2 38.4 57.6#



#25
 Isophorone
 Concen: 41.08 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.33 min
 Lab File: BF084436.D
 Acq: 13 Jan 2016 3:47

Tgt Ion: 82 Resp: 1482387
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.07 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

Instrument :

BNA_F

ClientSampleId :

P0-011

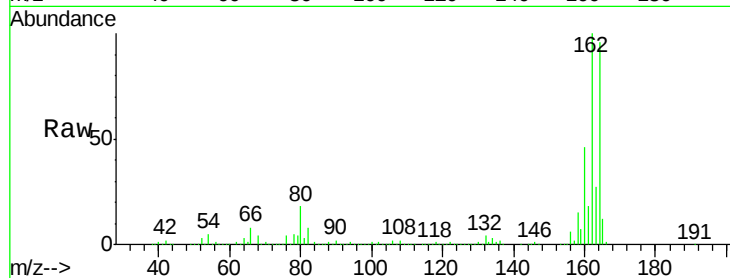
Tgt Ion:164 Resp: 515307

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

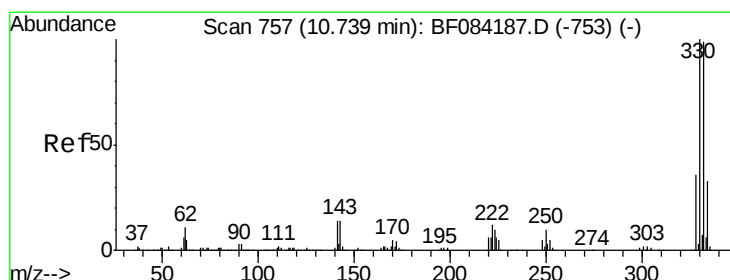
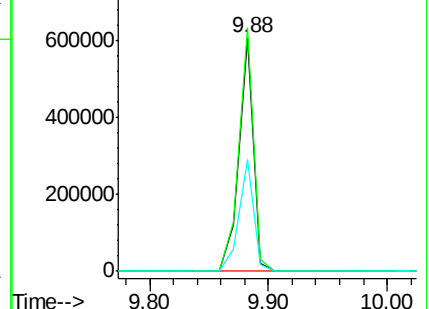
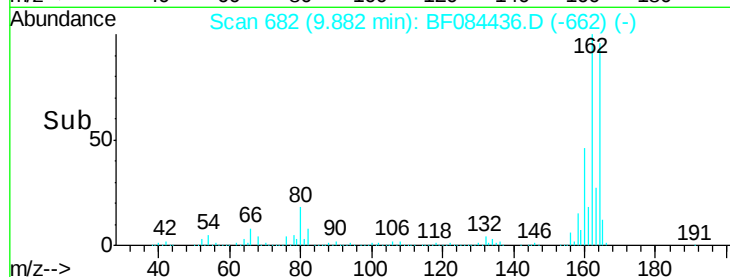
160 47.6 37.5 56.3



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: 102.59 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.07 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

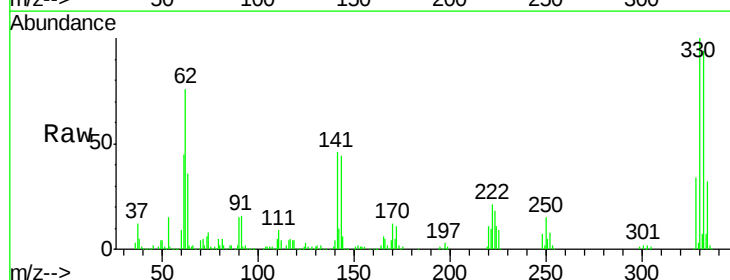
Tgt Ion:330 Resp: 533743

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

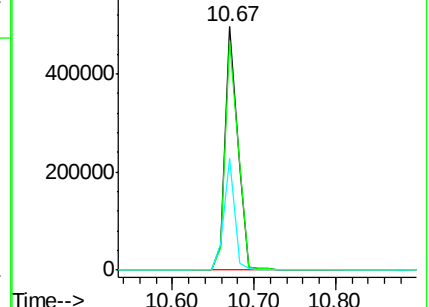
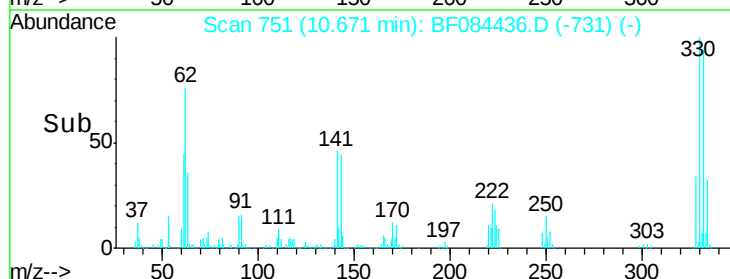
141 39.1 27.8 41.6

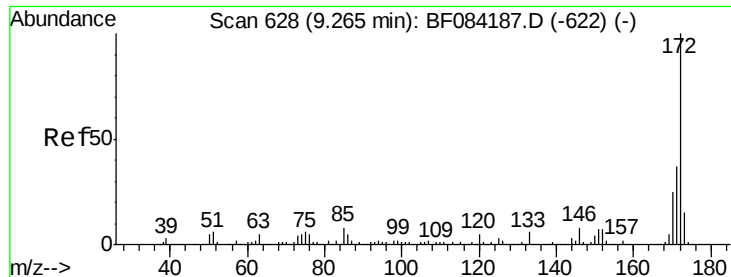


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

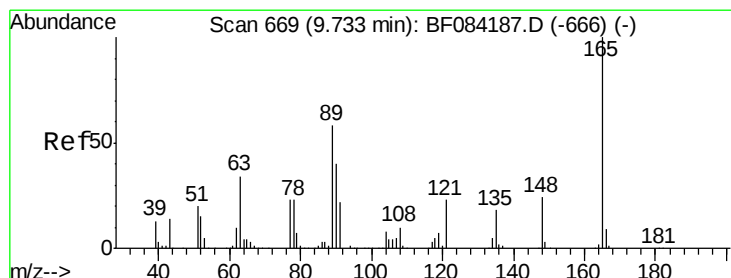
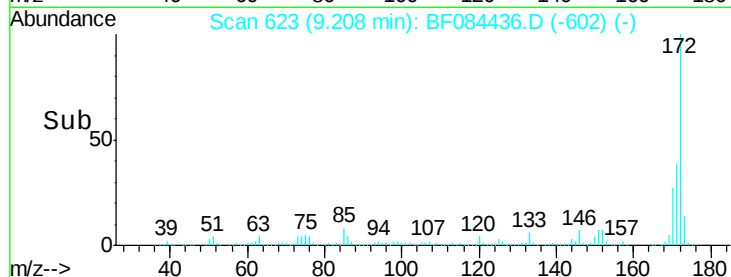
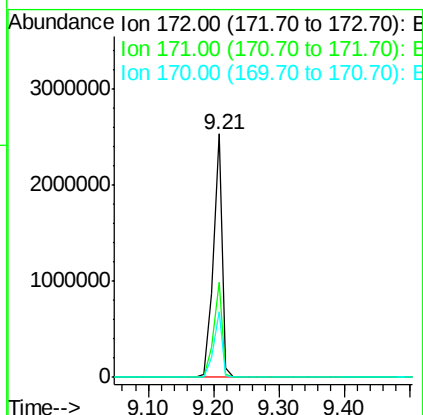
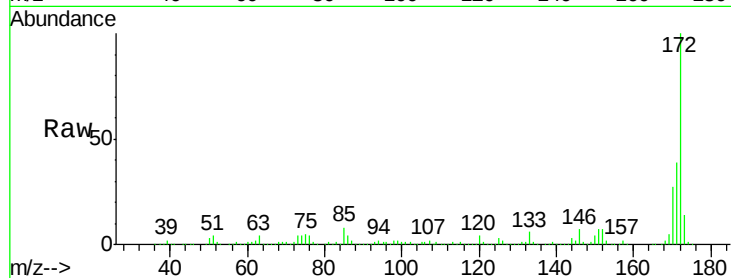




#44
 2-Fluorobiphenyl
 Concen: 83.13 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084436.D
 Acq: 13 Jan 2016 3:47

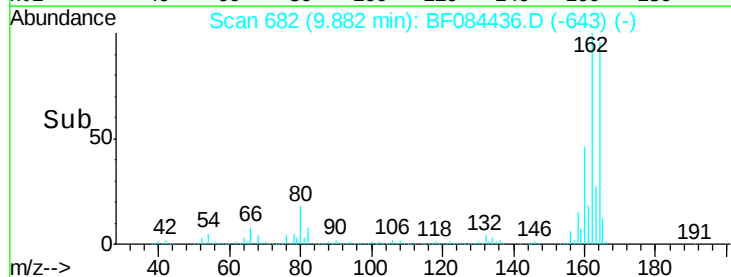
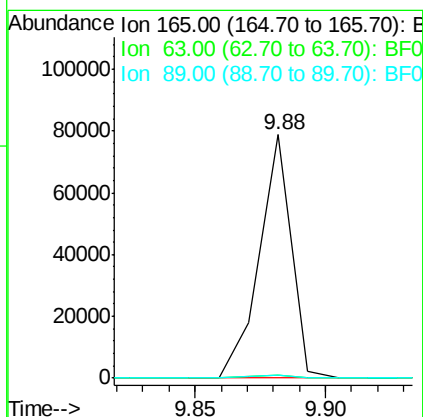
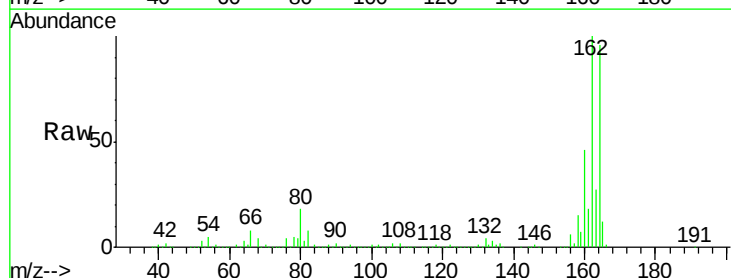
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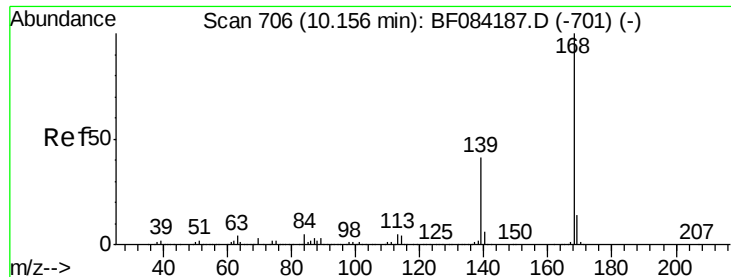
Tgt Ion:172 Resp: 2439180
 Ion Ratio Lower Upper
 172 100
 171 38.8 28.9 43.3
 170 26.9 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 8.42 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.15 min
 Lab File: BF084436.D
 Acq: 13 Jan 2016 3:47

Tgt Ion:165 Resp: 68008
 Ion Ratio Lower Upper
 165 100
 63 1.1 28.8 43.2#
 89 1.2 35.1 52.7#

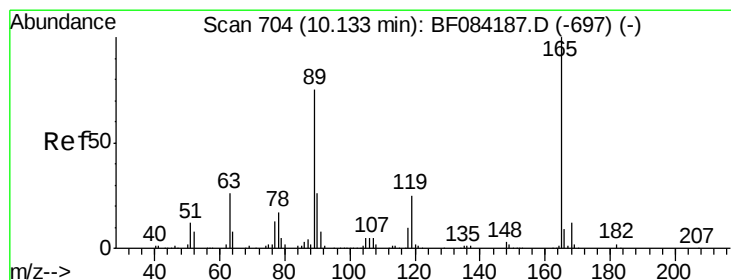
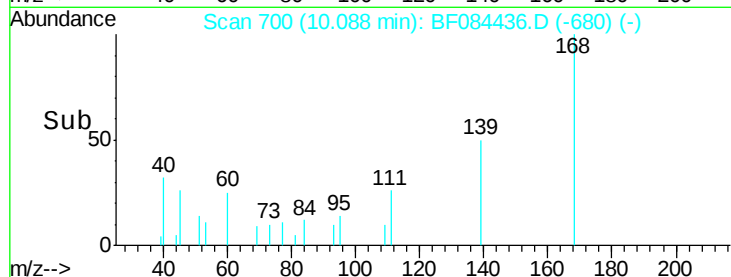
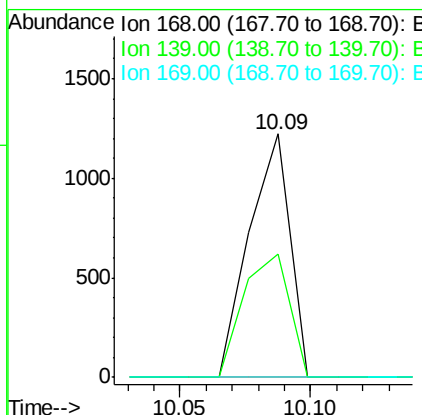
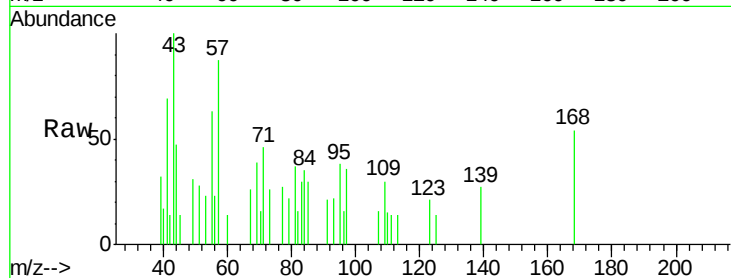




#54
Dibenzofuran
Concen: Below Cal
RT: 10.09 min Scan# 700
Delta R.T. -0.07 min
Lab File: BF084436.D
Acq: 13 Jan 2016 3:47

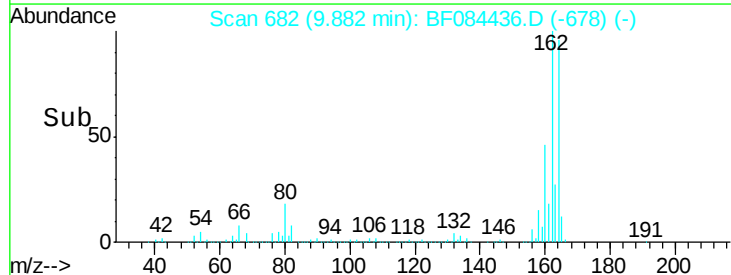
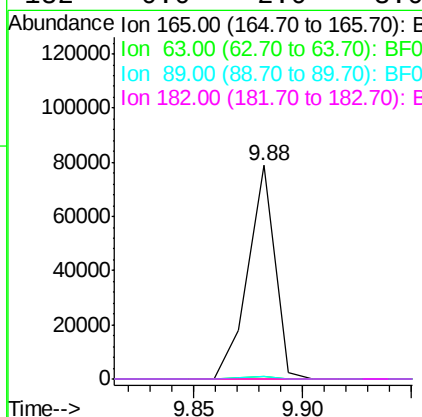
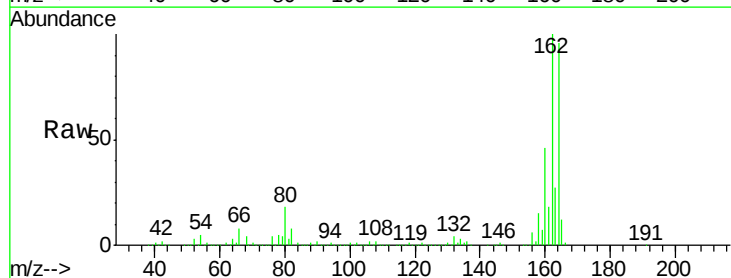
Instrument :
BNA_F
ClientSampleId :
P0-011

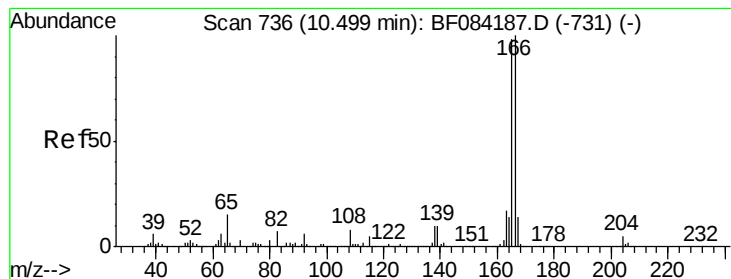
Tgt Ion:168 Resp: 1337
Ion Ratio Lower Upper
168 100
139 50.4 30.5 45.7#
169 0.0 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.65 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.25 min
Lab File: BF084436.D
Acq: 13 Jan 2016 3:47

Tgt Ion:165 Resp: 68011
Ion Ratio Lower Upper
165 100
63 1.1 36.7 55.1#
89 1.2 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.43 min Scan# 730

Delta R.T. -0.07 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

Instrument :

BNA_F

ClientSampleId :

P0-011

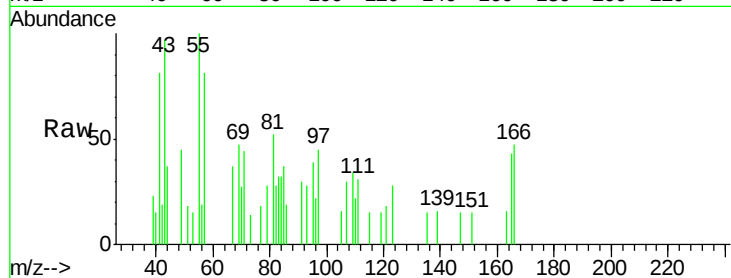
Tgt Ion:166 Resp: 1127

Ion Ratio Lower Upper

166 100

165 91.6 79.1 118.7

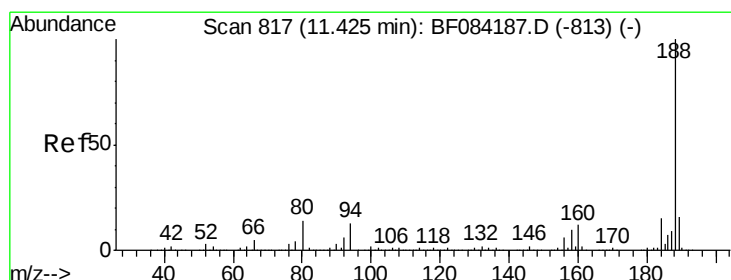
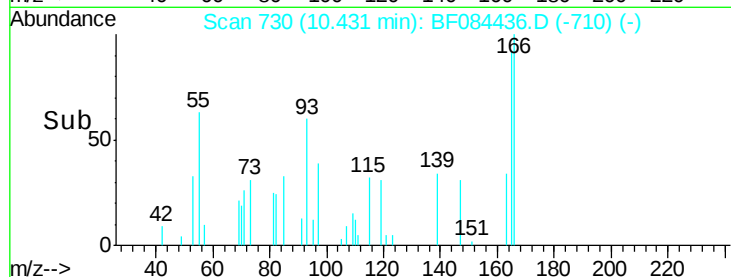
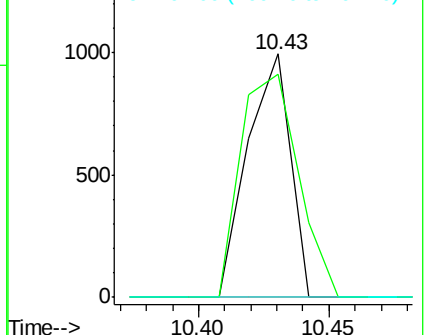
167 0.0 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.06 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

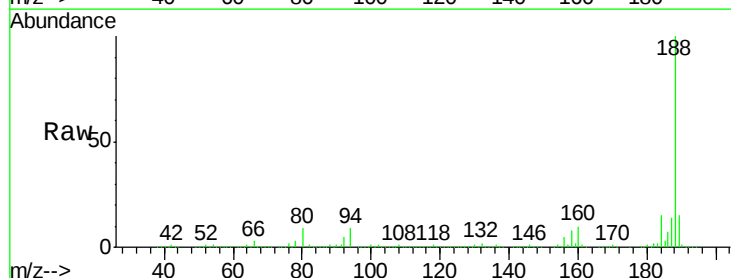
Tgt Ion:188 Resp: 905637

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.4#

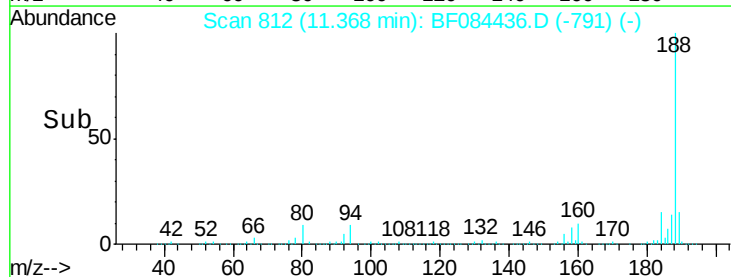
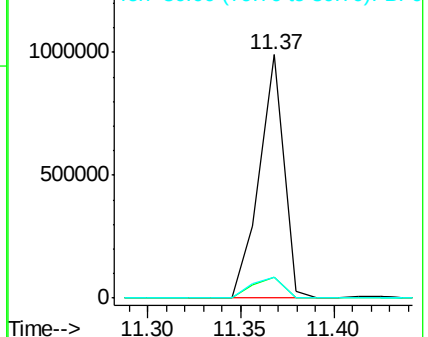
80 8.7 9.6 14.4#

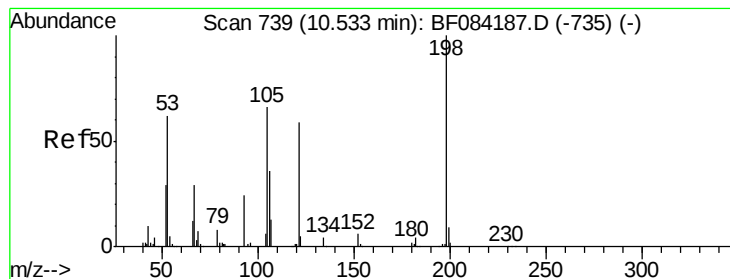


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.57 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.14 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

Instrument :

BNA_F

ClientSampled :

P0-011

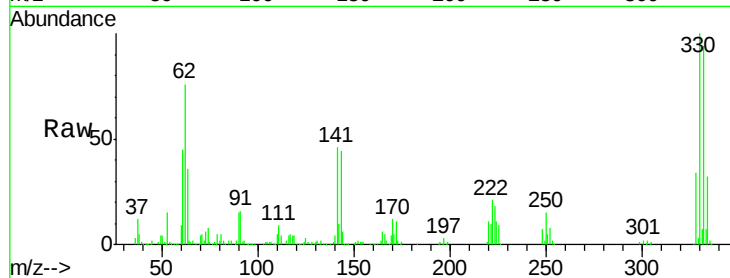
Tgt Ion:198 Resp: 1068

Ion Ratio Lower Upper

198 100

51 184.5 18.9 58.9#

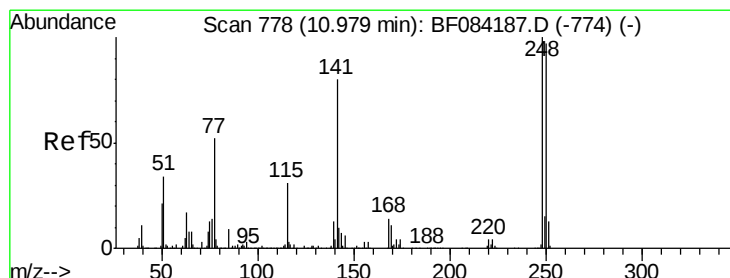
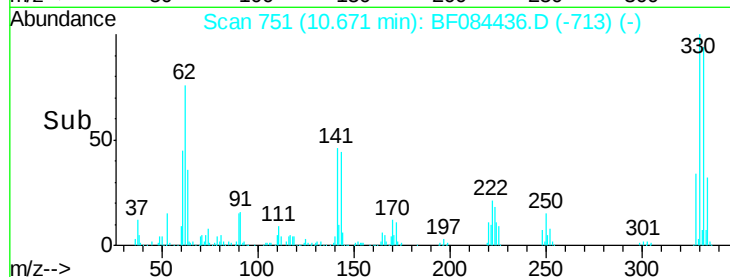
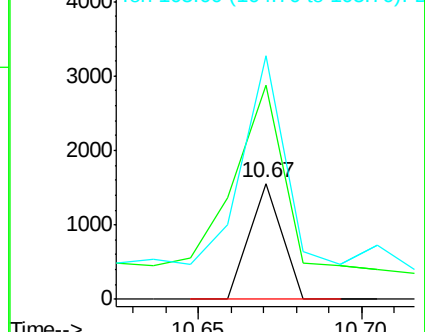
105 209.9 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.42 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.31 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

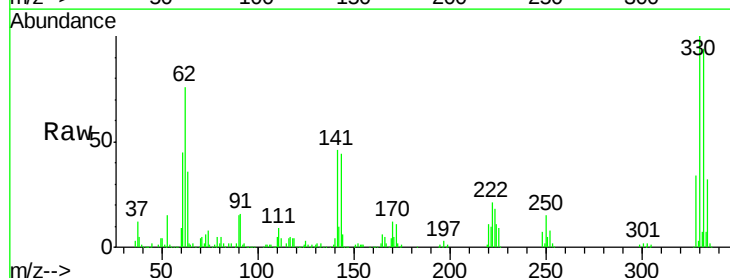
Tgt Ion:248 Resp: 33293

Ion Ratio Lower Upper

248 100

250 203.4 78.4 117.6#

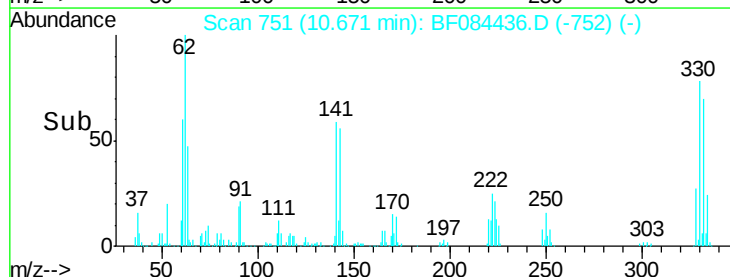
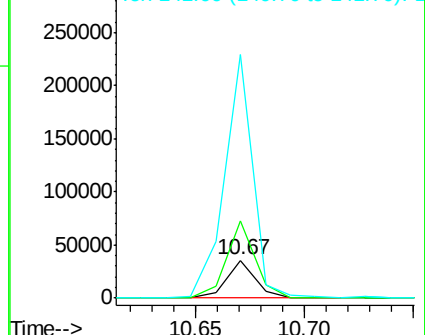
141 637.8 44.0 66.0#

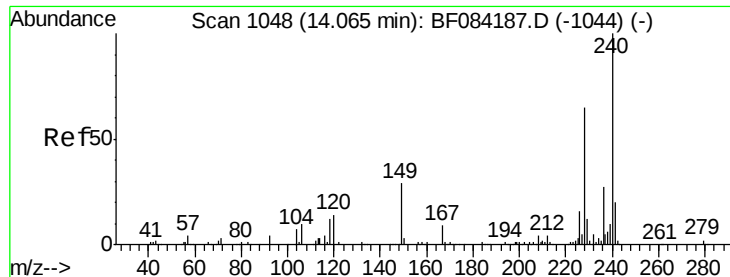


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.00 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

Instrument :

BNA_F

ClientSampleId :

P0-011

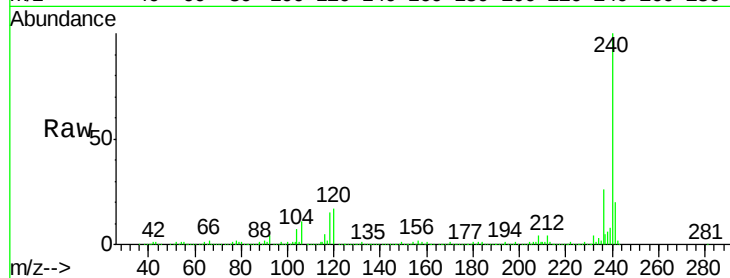
Tgt Ion:240 Resp: 576653

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

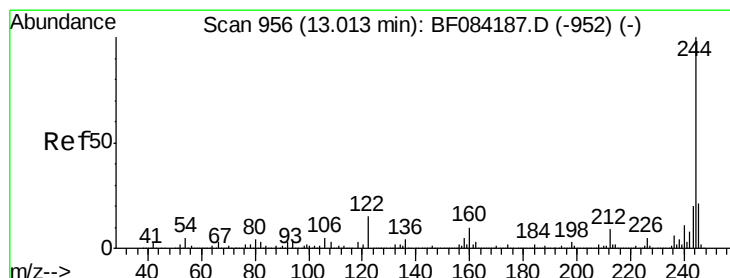
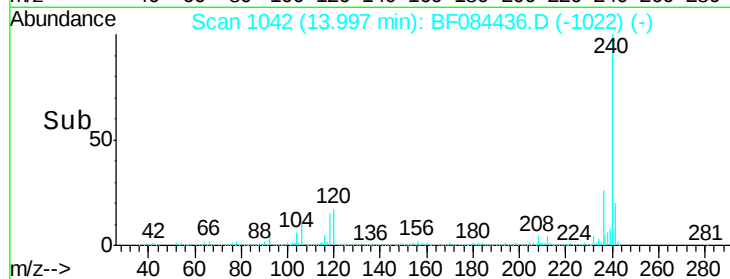
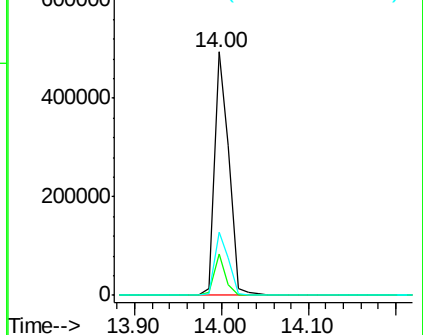
236 25.7 20.6 31.0



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: 77.11 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084436.D

Acq: 13 Jan 2016 3:47

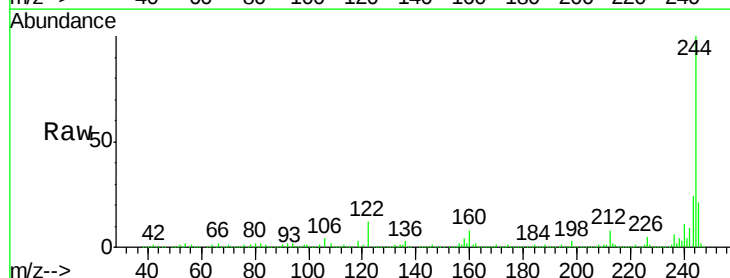
Tgt Ion:244 Resp: 1992067

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

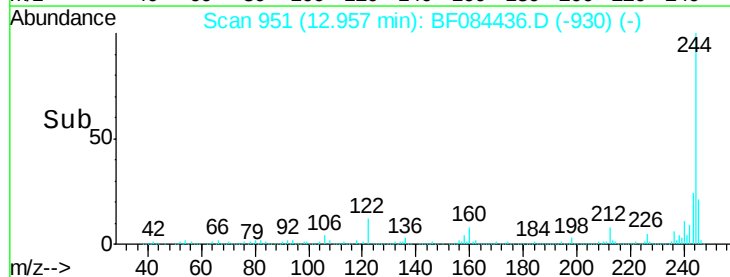
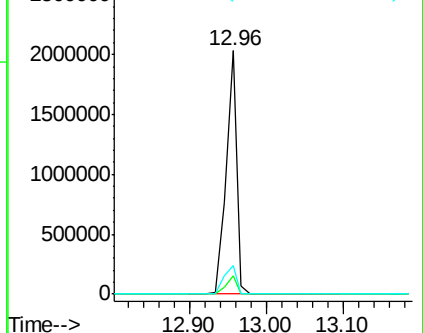
122 12.0 7.4 11.0#

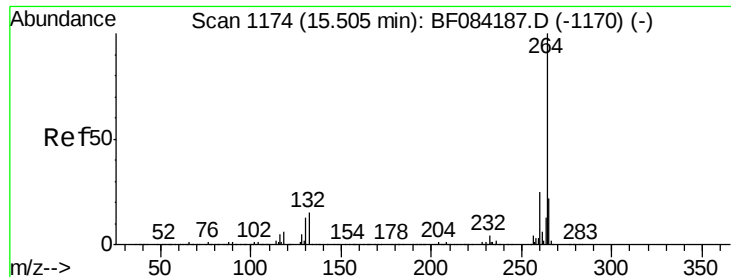


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

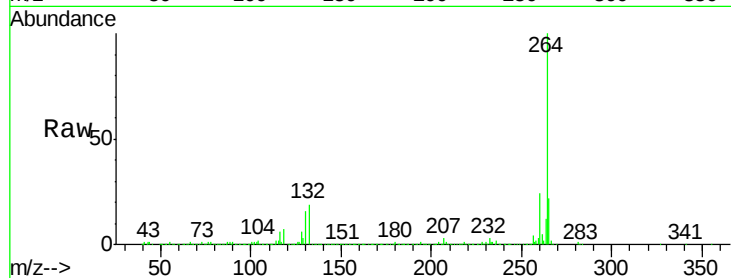




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF084436.D
Acq: 13 Jan 2016 3:47

Instrument :
BNA_F
ClientSampleId :
P0-011

Tgt Ion: 264 Resp: 486997
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.9 17.8 26.6



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

