

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086741.D
 Acq On : 6 May 2016 23:26
 Operator : UM/SJ
 Sample : H2770-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:28:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

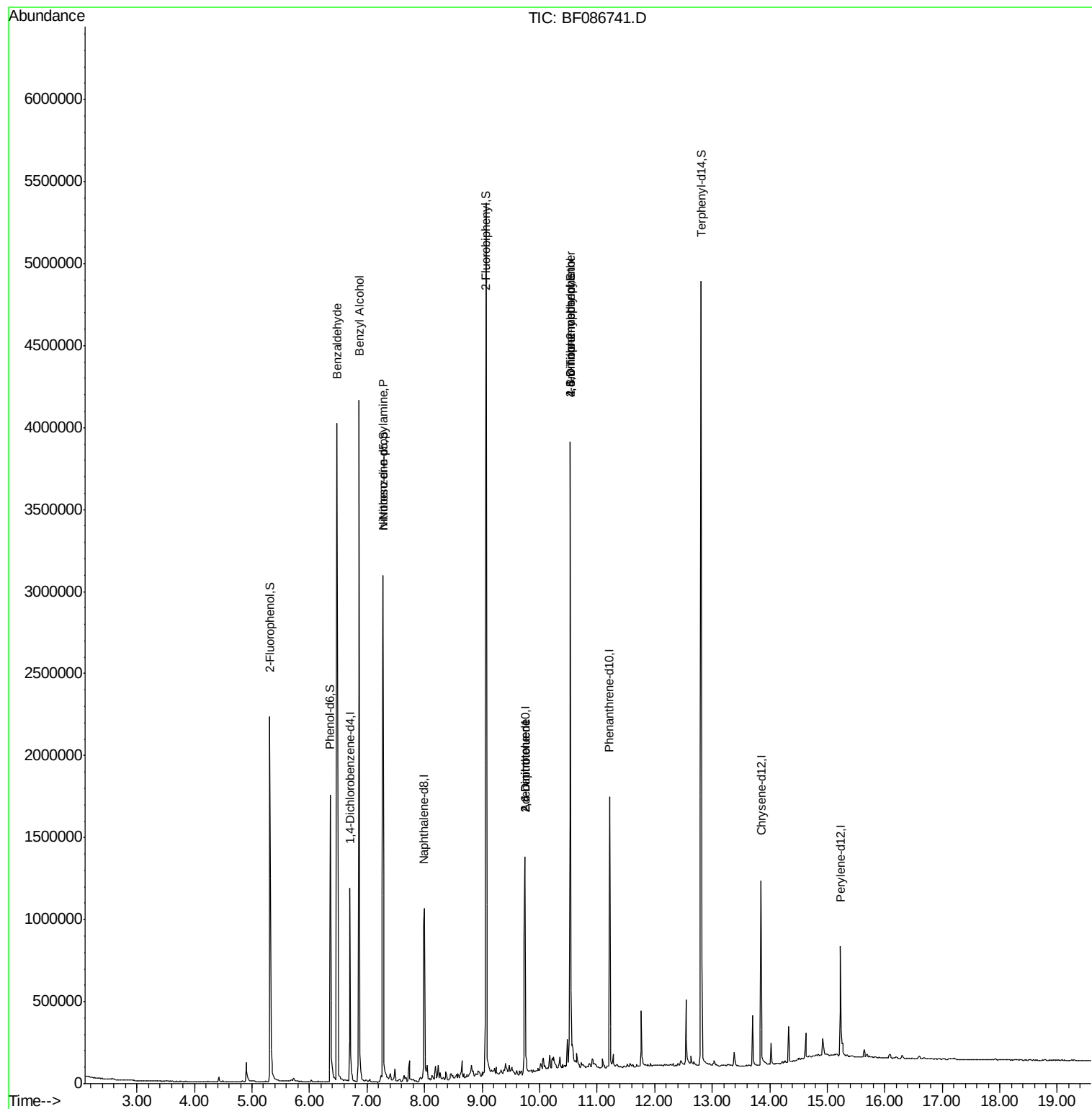
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	167617	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	683642	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	329713	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	553708	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	406046	40.00	ng	-0.01
86) Perylene-d12	15.23	264	306197	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	694747	68.62	ng	-0.01
7) Phenol-d6	6.36	99	573481	42.05	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1243148	93.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	462302	143.33	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1921425	95.53	ng	-0.01
78) Terphenyl-d14	12.81	244	1519435	75.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	31618	4.65	ng	# 73
15) Benzyl Alcohol	6.86	79	23179	2.63	ng	# 41
19) n-Nitroso-di-n-propylamine	7.28	70	172881	18.55	ng	# 72
50) 2,6-Dinitrotoluene	9.74	165	43220	8.19	ng	# 23
56) 2,4-Dinitrotoluene	9.74	165	44388	6.79	ng	# 18
64) 4,6-Dinitro-2-methylphenol	10.53	198	1529	5.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	29877	5.43	ng	# 1

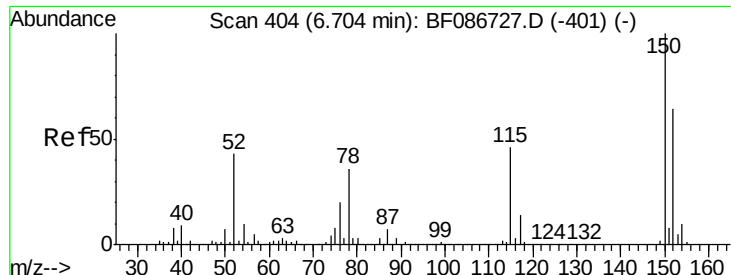
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

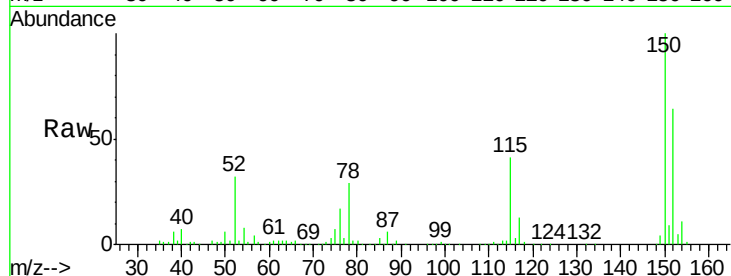
Tot Ion:152 Resp: 167617

Ion Ratio Lower Upper

152 100

150 157.0 125.8 188.6

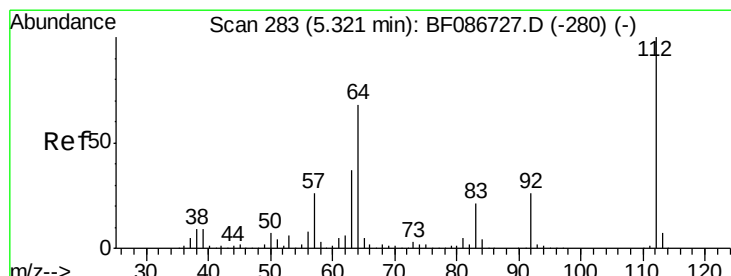
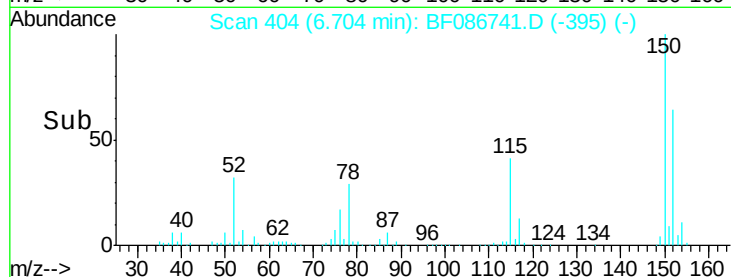
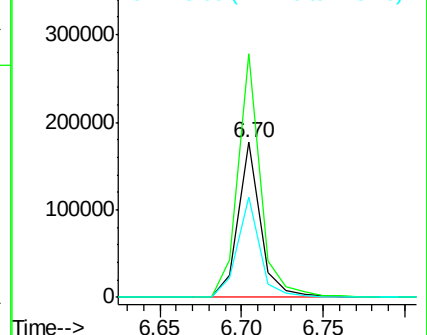
115 64.3 51.5 77.3



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: 68.62 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

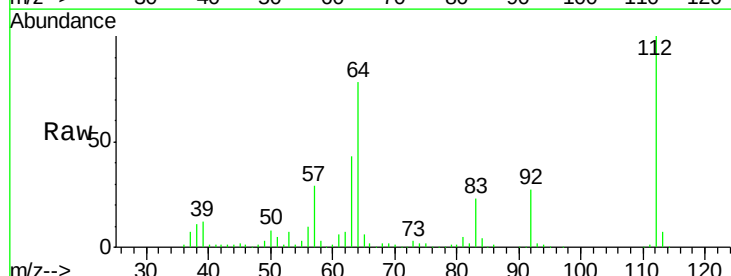
Tgt Ion:112 Resp: 694747

Ion Ratio Lower Upper

112 100

64 78.0 52.1 78.1

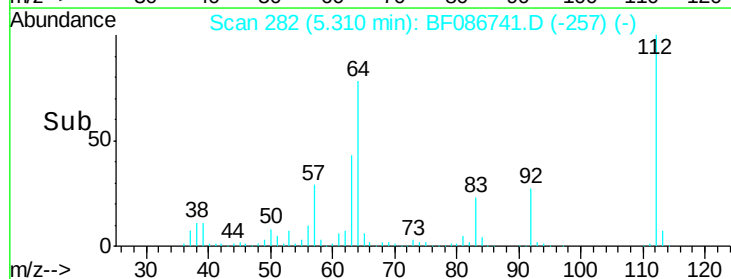
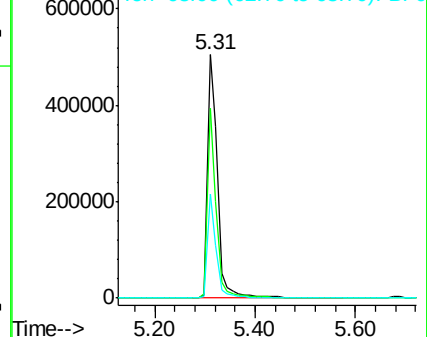
63 42.7 25.7 38.5

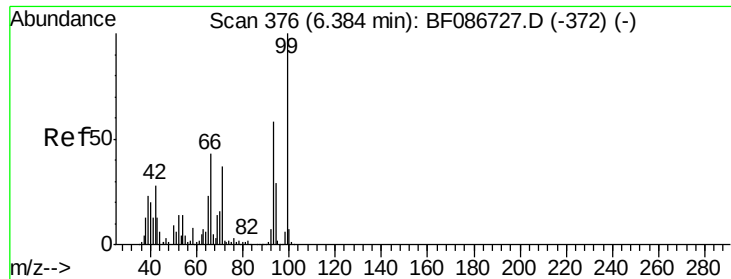


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.05 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

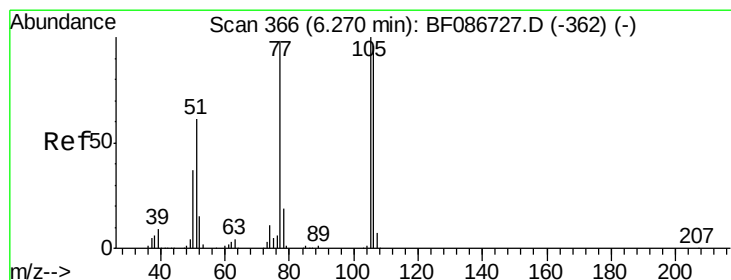
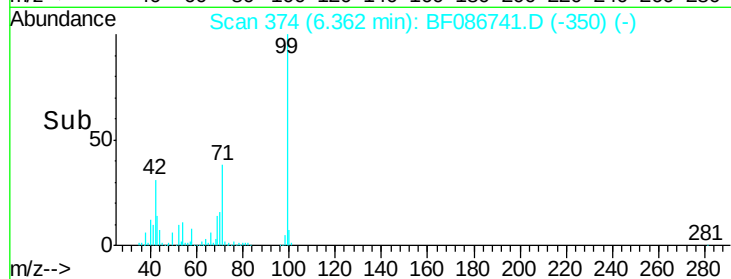
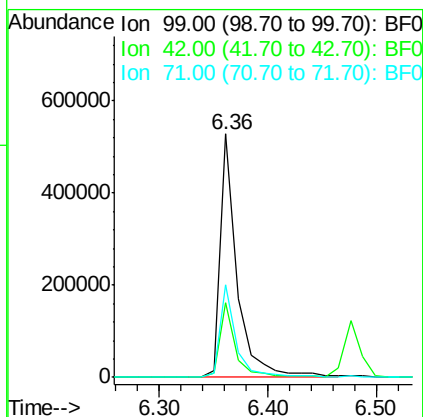
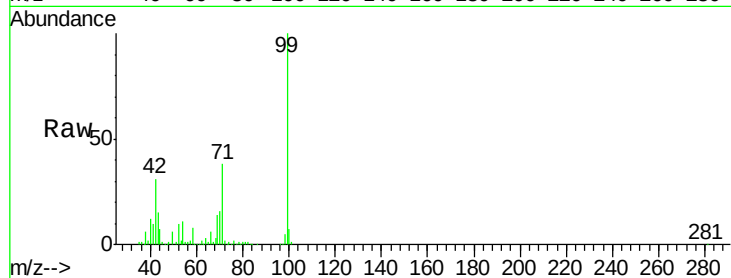
Tot Ion: 99 Resp: 573481

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

71 38.1 24.6 36.8#



#9

Benzaldehyde

Concen: 4.65 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

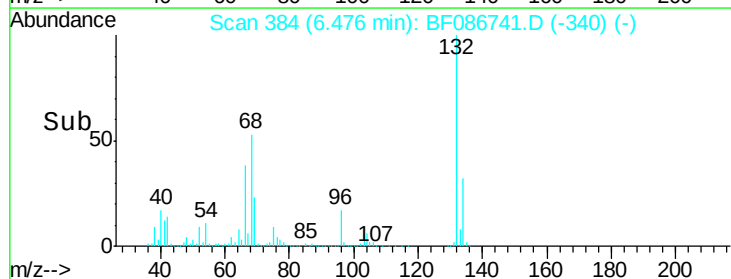
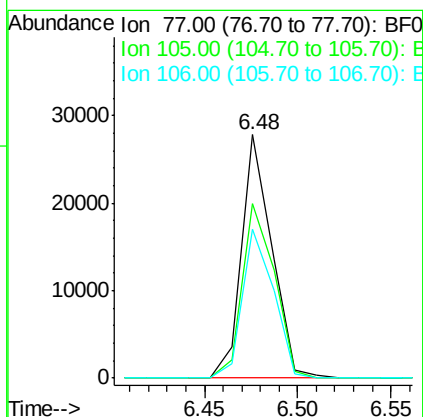
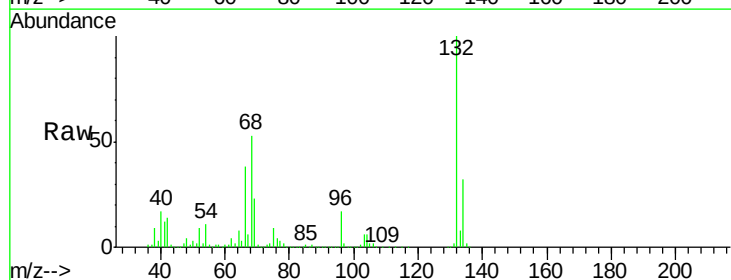
Tgt Ion: 77 Resp: 31618

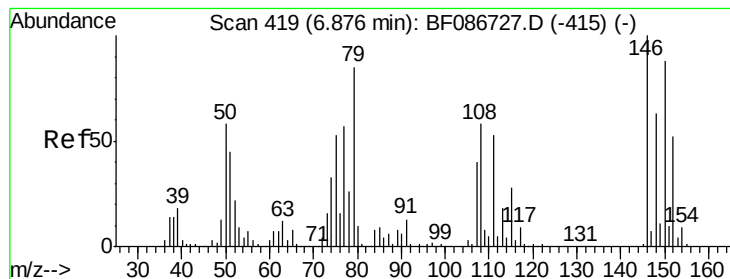
Ion Ratio Lower Upper

77 100

105 71.9 72.7 112.7#

106 61.0 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.63 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

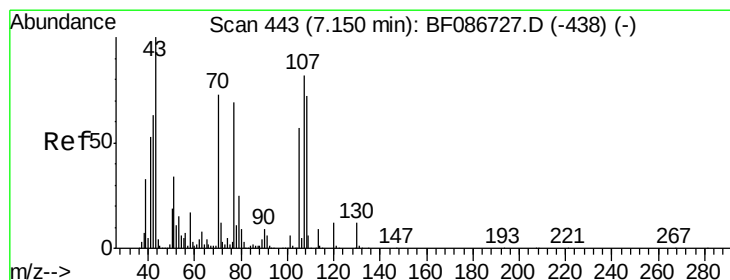
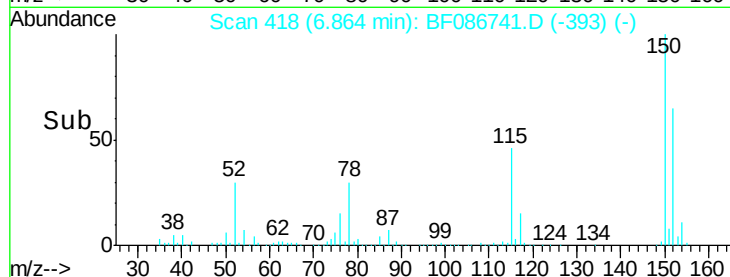
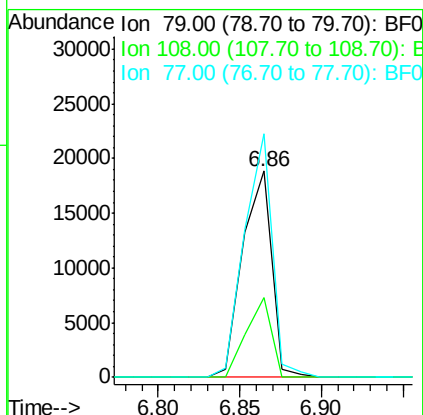
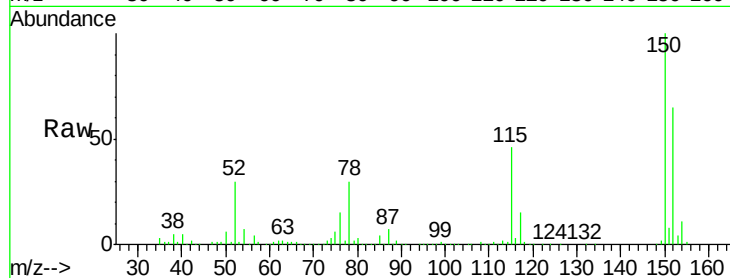
Tot Ion: 79 Resp: 23179

Ion Ratio Lower Upper

79 100

108 38.8 68.4 102.6#

77 118.2 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 18.55 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Tgt Ion: 70 Resp: 172881

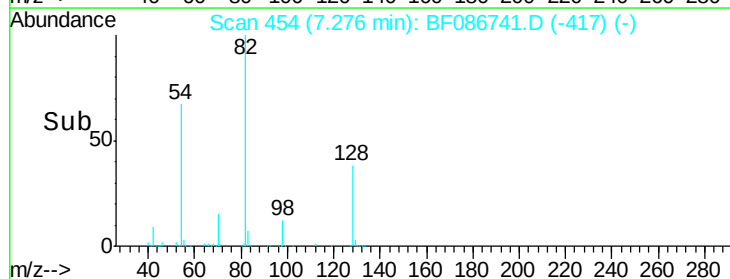
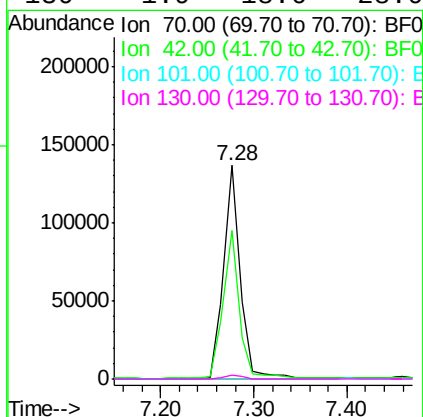
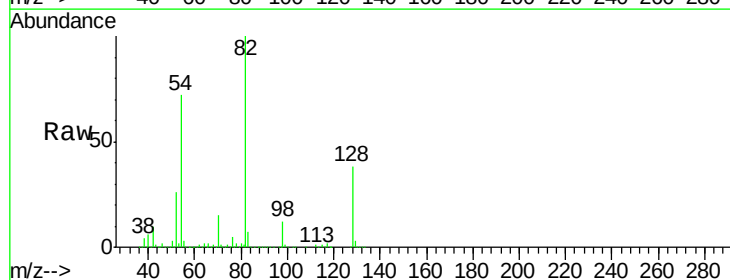
Ion Ratio Lower Upper

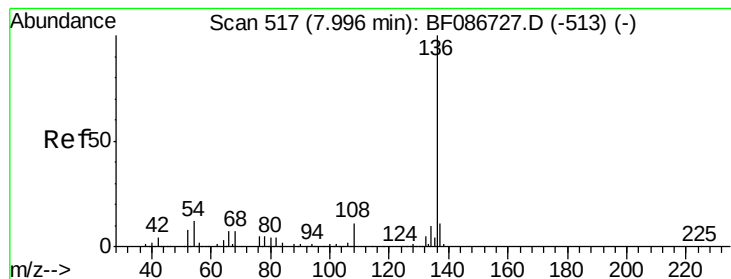
70 100

42 69.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 683642

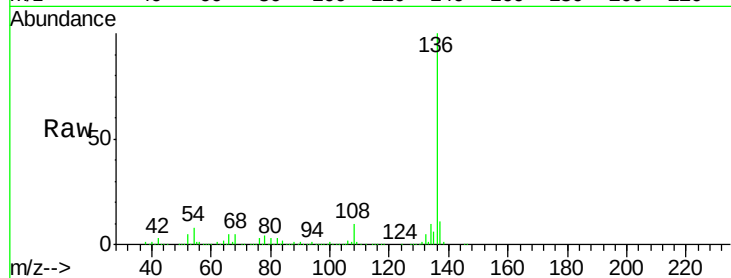
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.4 5.0 7.4#

68 5.0 4.4 6.6

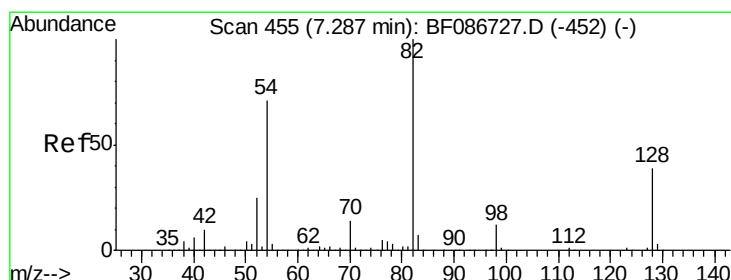
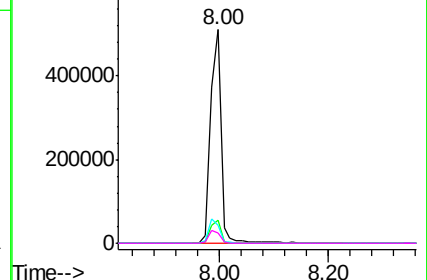
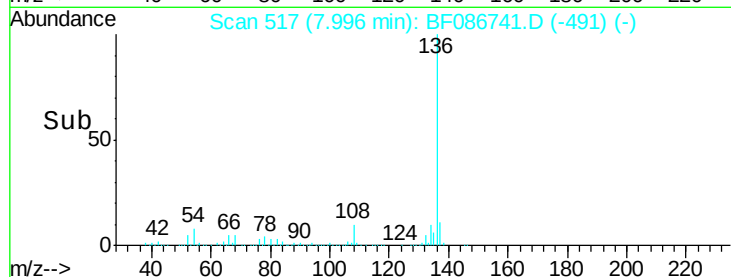


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.44 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

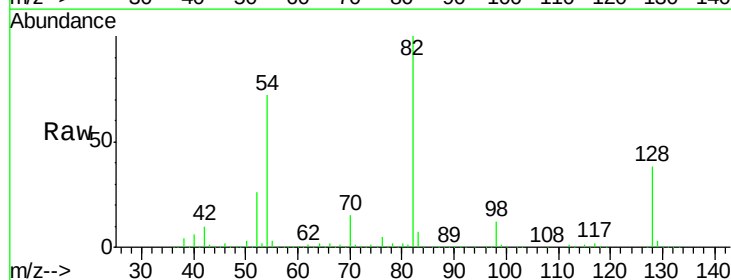
Tgt Ion: 82 Resp: 1243148

Ion Ratio Lower Upper

82 100

128 38.4 40.6 61.0#

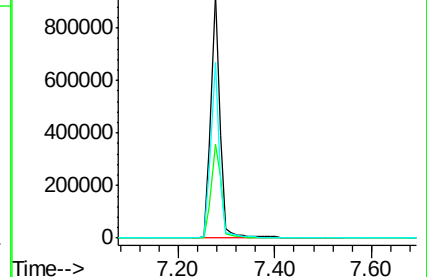
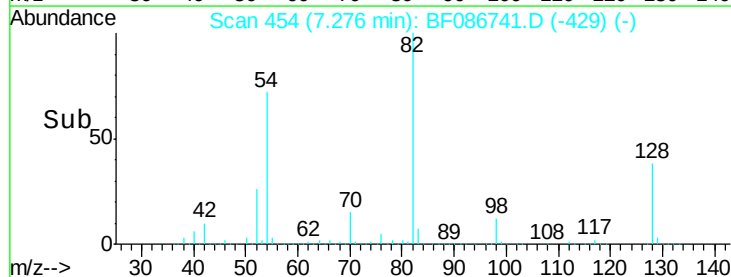
54 72.1 38.1 57.1#

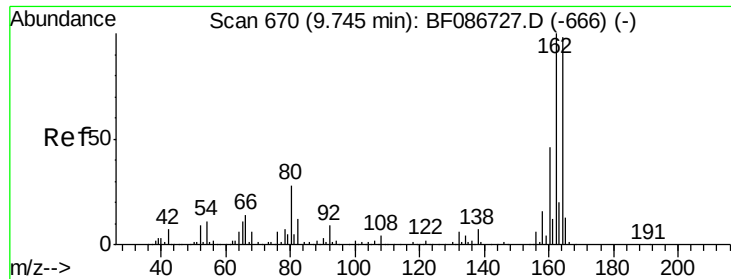


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

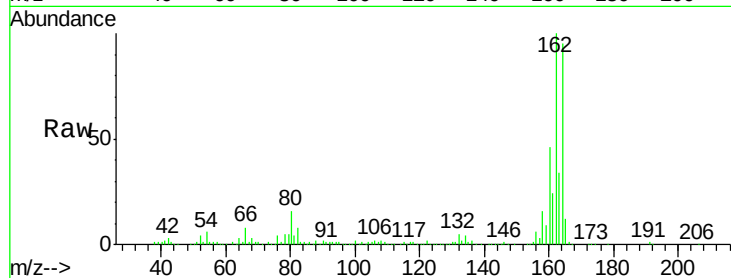
Tot Ion:164 Resp: 329713

Ion Ratio Lower Upper

164 100

162 105.1 82.8 124.2

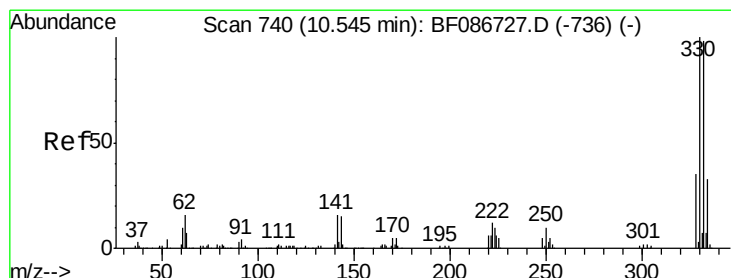
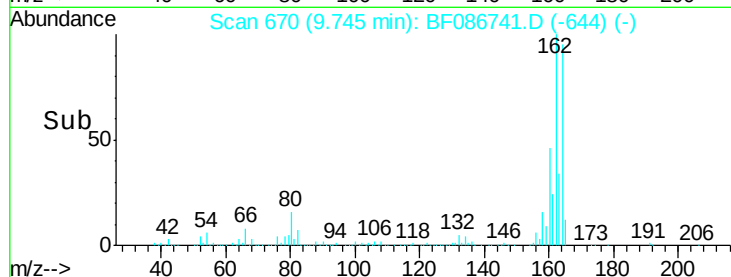
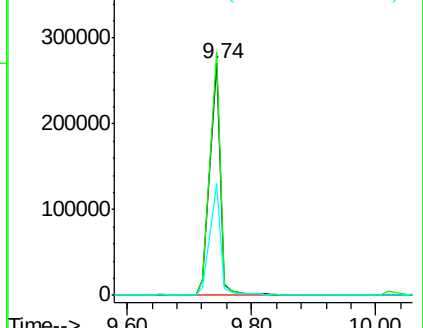
160 48.5 36.9 55.3



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: 143.33 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

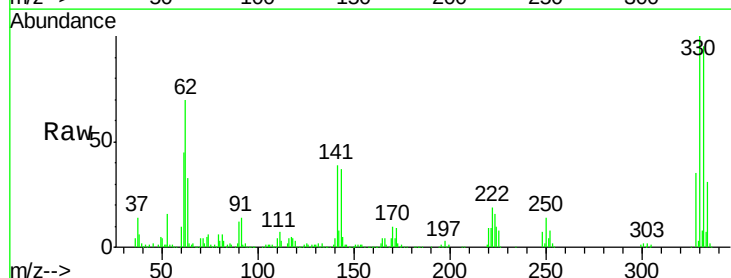
Tgt Ion:330 Resp: 462302

Ion Ratio Lower Upper

330 100

332 95.8 79.0 118.4

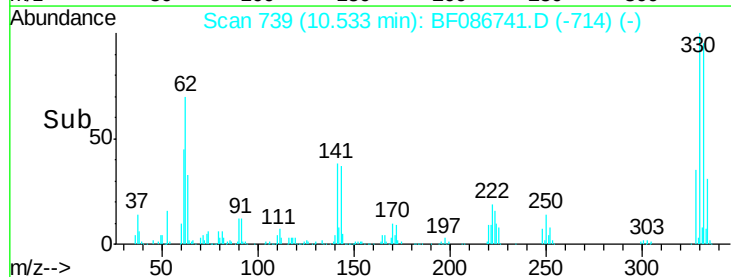
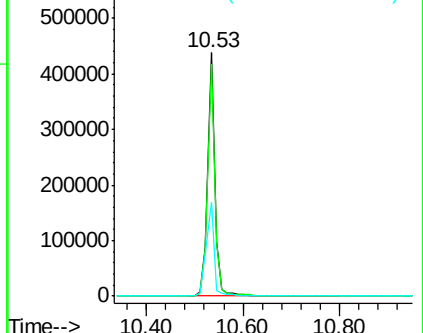
141 40.4 31.2 46.8

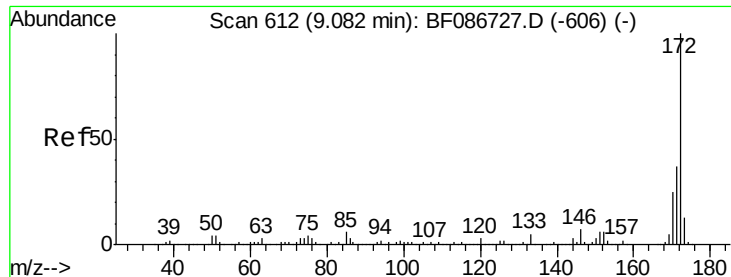


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

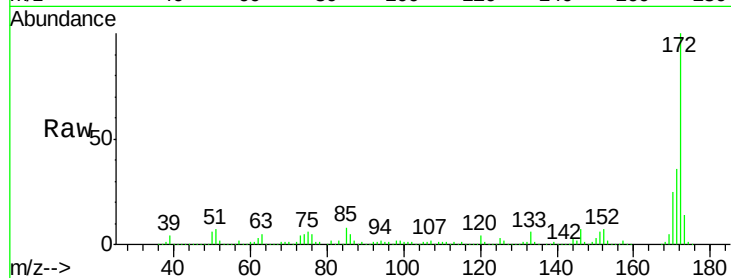




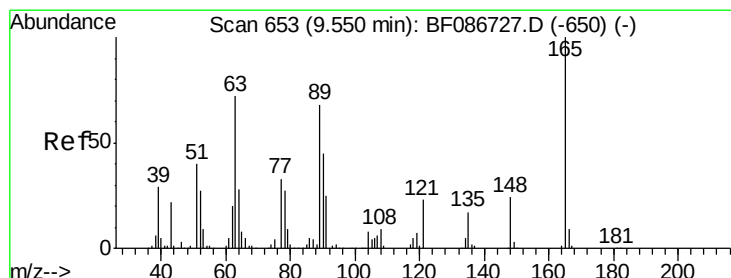
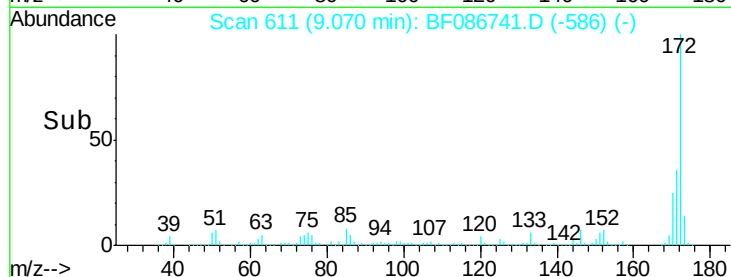
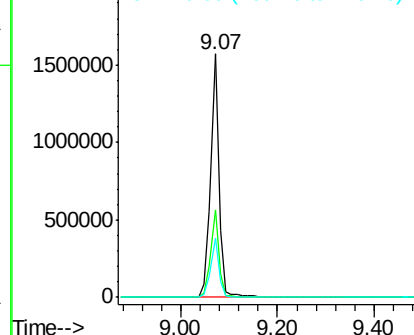
#44
 2-Fluorobiphenyl
 Concen: 95.53 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086741.D
 Acq: 6 May 2016 23:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1921425
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.6 19.8 29.8

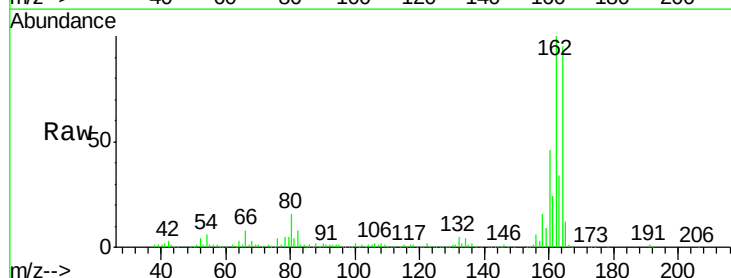


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

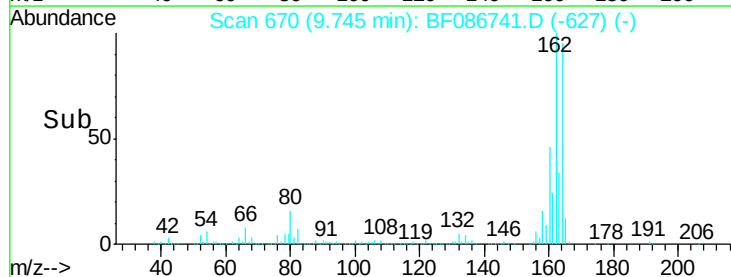
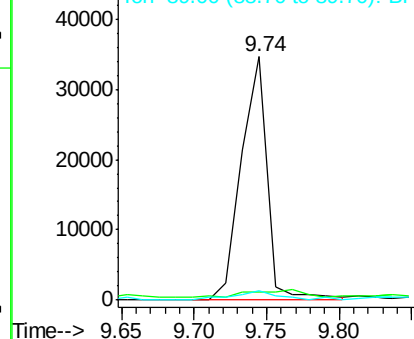


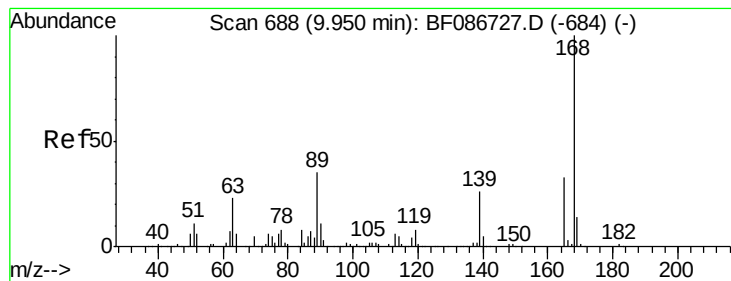
#50
 2,6-Dinitrotoluene
 Concen: 8.19 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.19 min
 Lab File: BF086741.D
 Acq: 6 May 2016 23:26

Tgt Ion:165 Resp: 43220
 Ion Ratio Lower Upper
 165 100
 63 3.5 51.8 77.8#
 89 3.8 50.7 76.1#



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: 6.79 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.21 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 44388

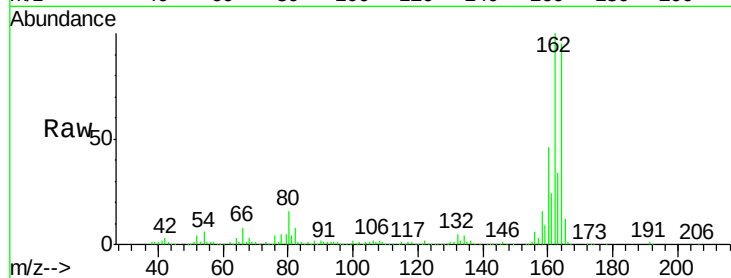
Ion Ratio Lower Upper

165 100

63 3.5 44.3 66.5#

89 3.8 70.0 105.0#

182 0.0 1.8 2.6#

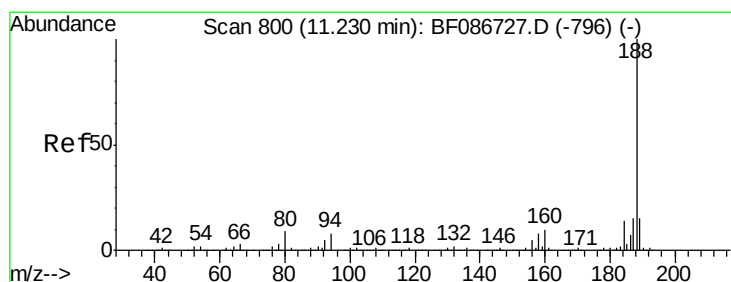
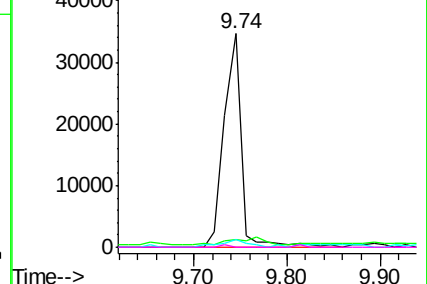
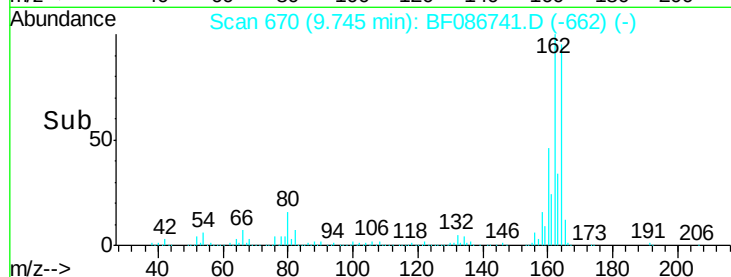


Abundance Ion 165.00 (164.70 to 165.70): E

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: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

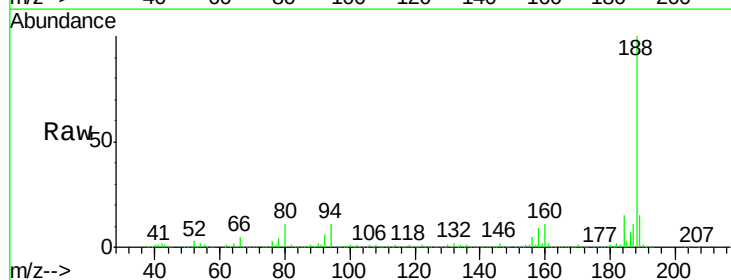
Tgt Ion:188 Resp: 553708

Ion Ratio Lower Upper

188 100

94 10.6 6.8 10.2#

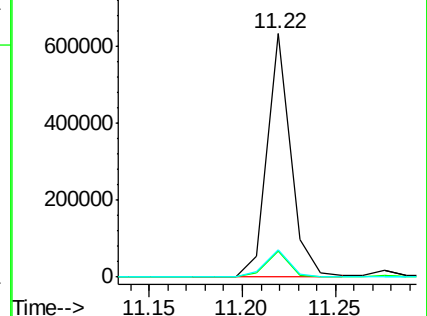
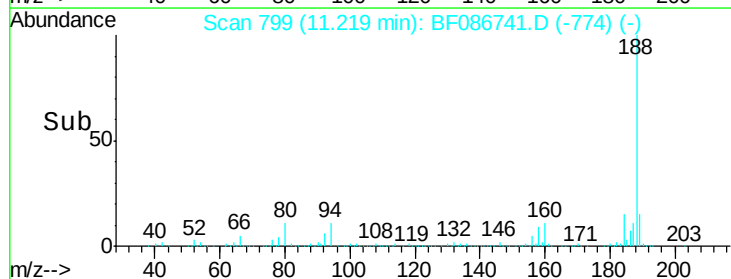
80 11.2 7.1 10.7#

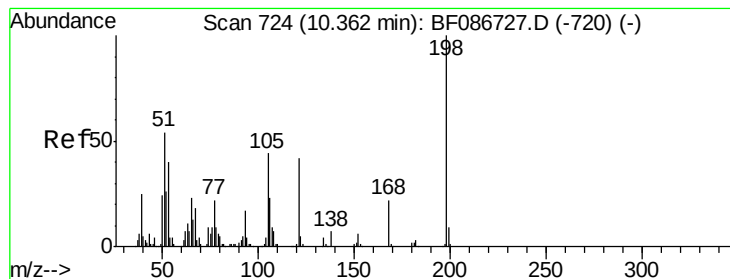


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 5.83 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.17 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

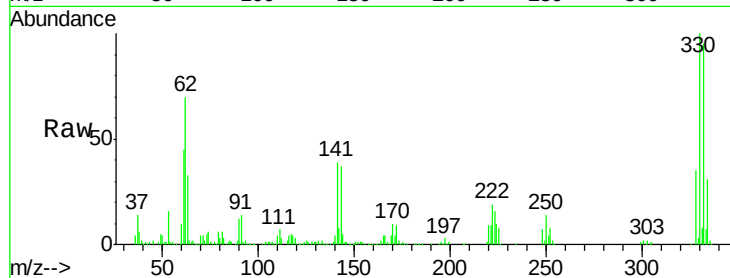
Tot Ion:198 Resp: 1529

Ion Ratio Lower Upper

198 100

51 280.6 20.5 60.5#

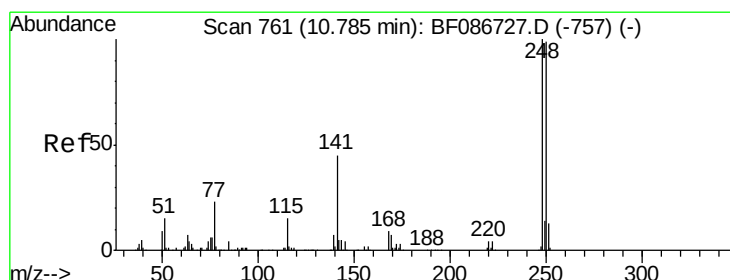
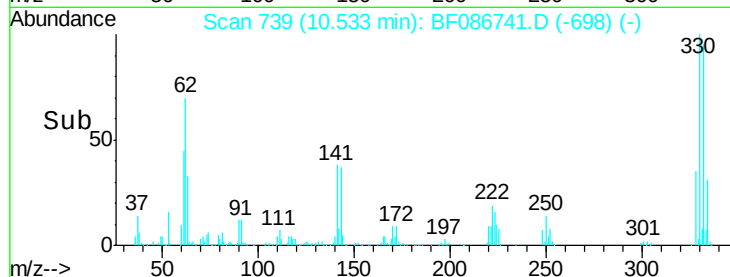
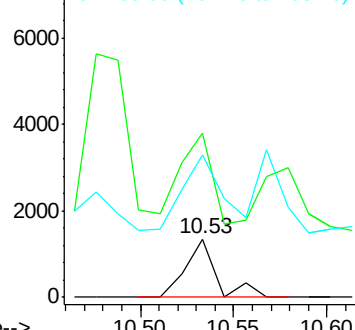
105 243.6 24.5 64.5#



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: 5.43 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.25 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

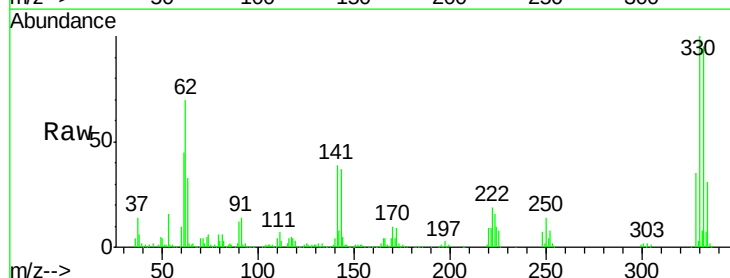
Tgt Ion:248 Resp: 29877

Ion Ratio Lower Upper

248 100

250 200.1 78.6 117.8#

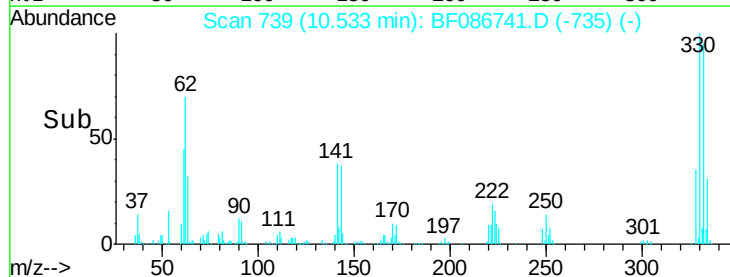
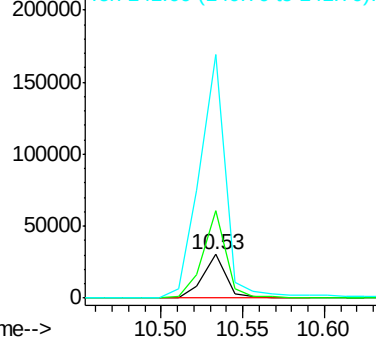
141 554.8 76.0 114.0#

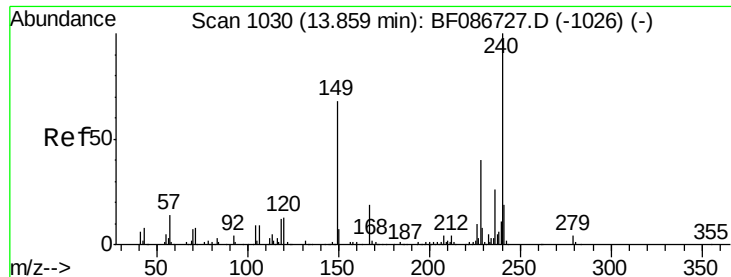


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA_F

ClientSampleId :

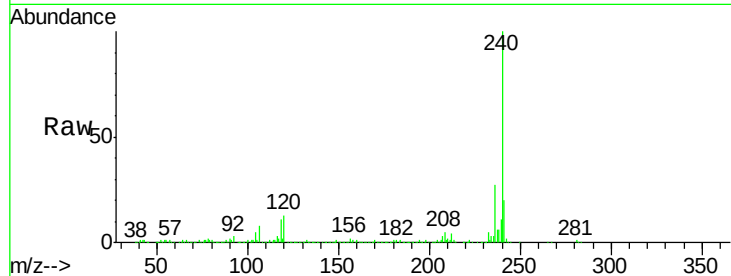
Tot Ion:240 Resp: 406046

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

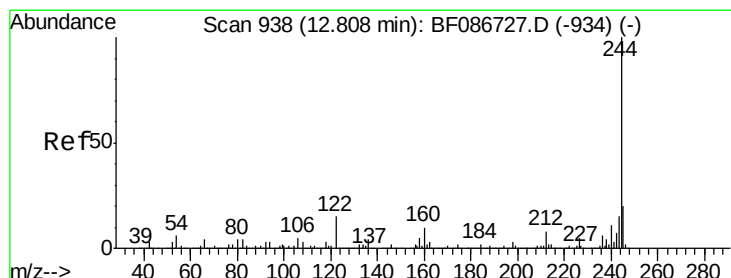
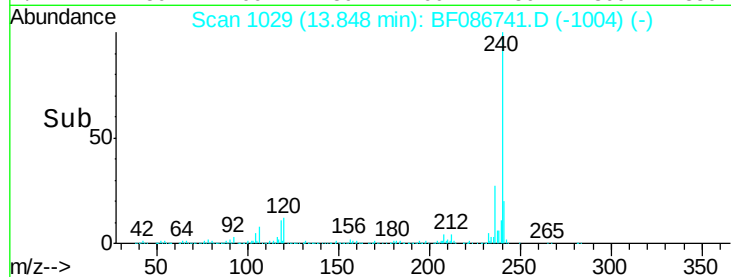
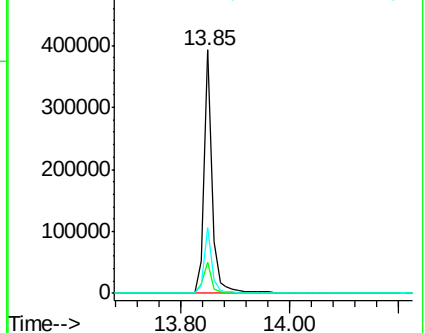
236 26.8 21.2 31.8



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



#78

Terphenyl-d14

Concen: 75.63 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

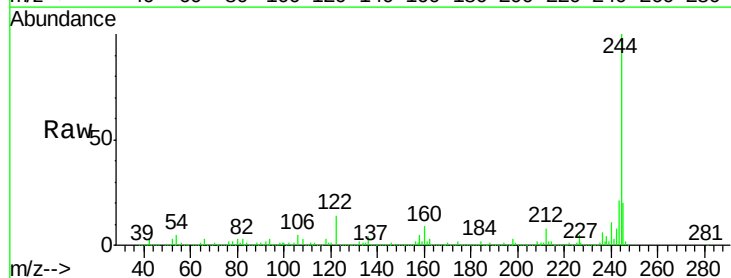
Tgt Ion:244 Resp: 1519435

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

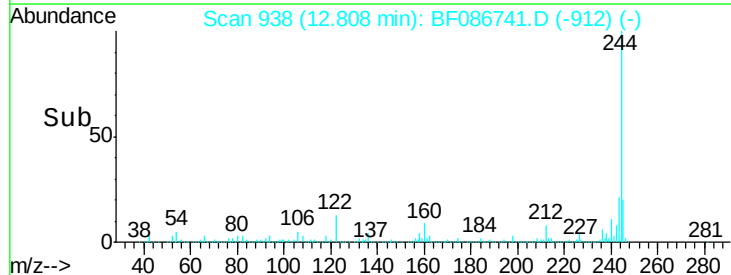
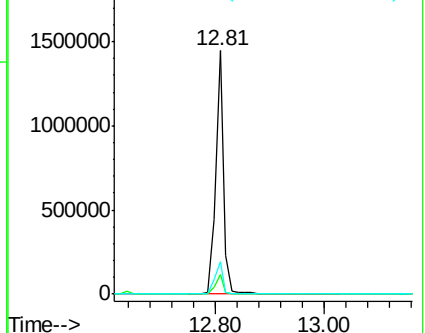
122 13.5 12.0 18.0

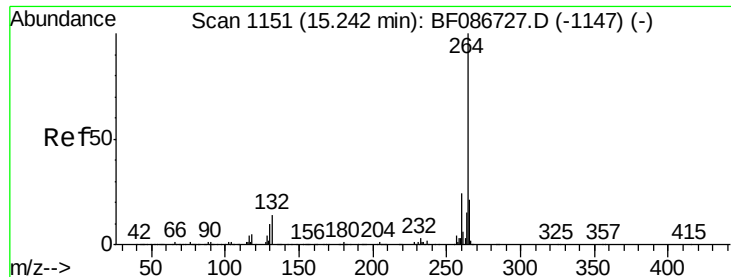


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

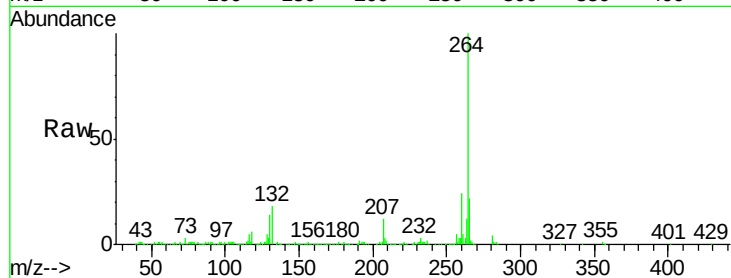




#86
 Pervlene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF086741.D
 Acq: 6 May 2016 23:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.6	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

