

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086739.D
 Acq On : 6 May 2016 22:28
 Operator : UM/SJ
 Sample : H2770-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:27:52 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	181152	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	746052	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	360822	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	588772	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	448146	40.00	ng	-0.01
86) Perylene-d12	15.23	264	339942	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	749152	68.46	ng	-0.01
7) Phenol-d6	6.36	99	637049	43.22	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1270941	87.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	462124	130.93	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1972117	89.59	ng	-0.01
78) Terphenyl-d14	12.81	244	1605475	72.40	ng	0.00

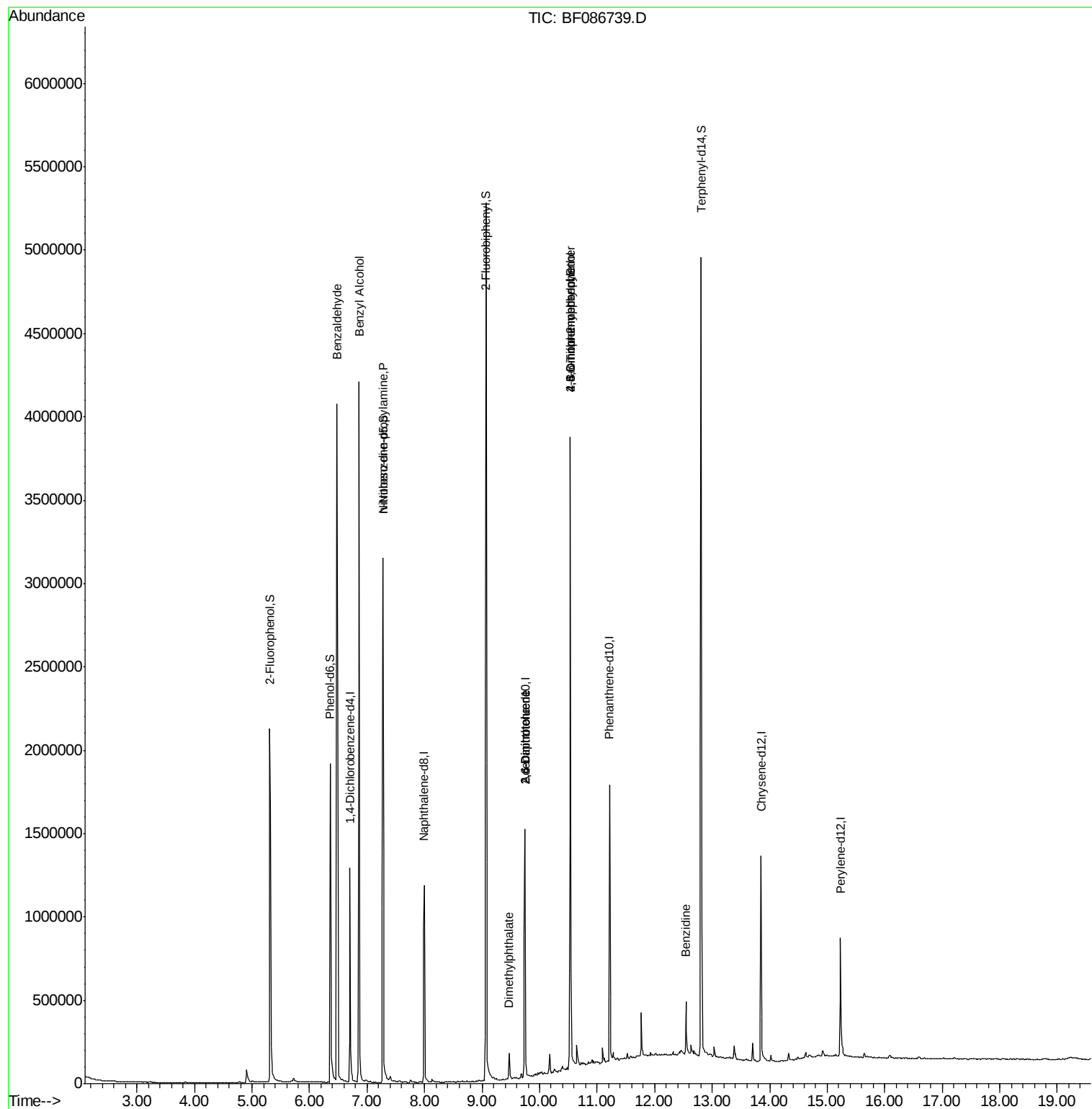
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	33117	4.50	ng	# 70
15) Benzyl Alcohol	6.86	79	23510	2.47	ng	# 37
19) n-Nitroso-di-n-propylamine	7.28	70	177322	17.61	ng	# 72
49) Dimethylphthalate	9.47	163	66568	2.47	ng	# 99
50) 2,6-Dinitrotoluene	9.74	165	45733	7.92	ng	# 21
56) 2,4-Dinitrotoluene	9.74	165	46399	6.49	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.53	198	1512	5.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	29100	4.97	ng	# 1
76) Benzidine	12.54	184	953	7.16	ng	# 1

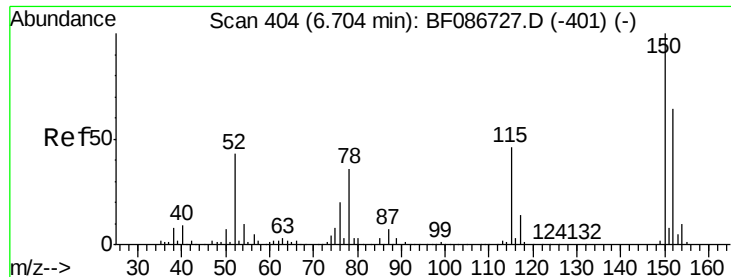
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

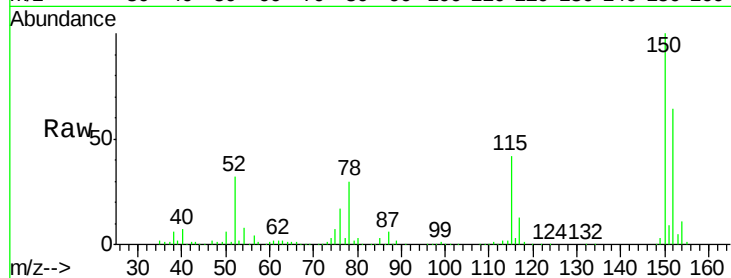
Tot Ion:152 Resp: 181152

Ion Ratio Lower Upper

152 100

150 156.7 125.8 188.6

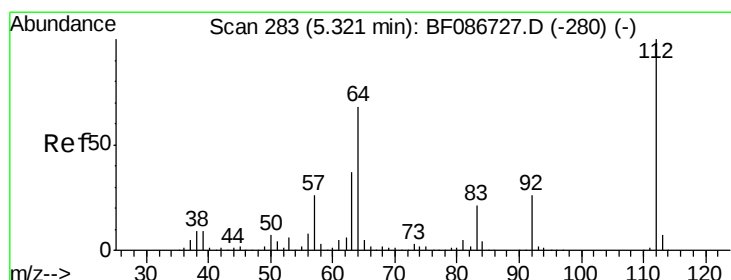
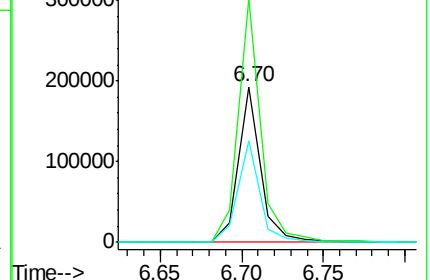
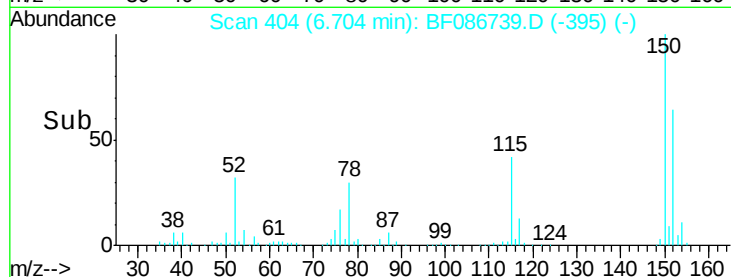
115 65.1 51.5 77.3



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: 68.46 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

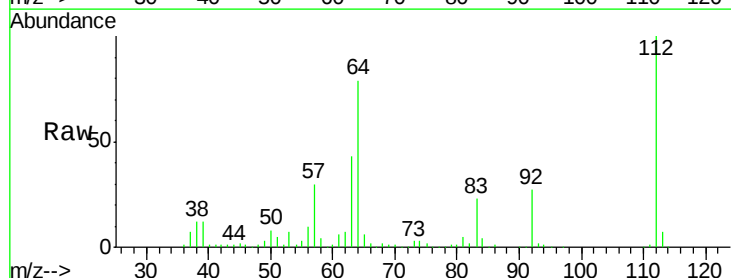
Tgt Ion:112 Resp: 749152

Ion Ratio Lower Upper

112 100

64 79.4 52.1 78.1#

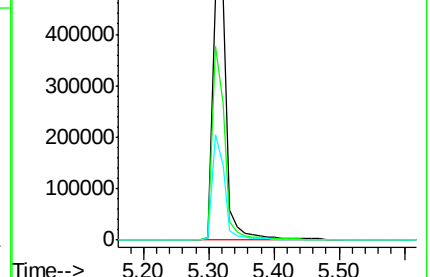
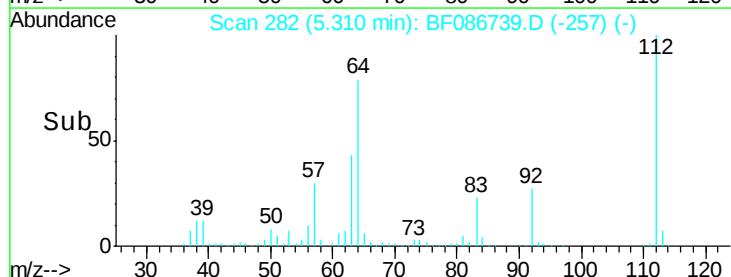
63 43.4 25.7 38.5#

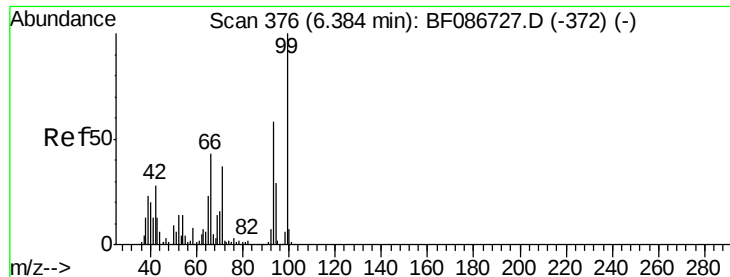


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.22 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

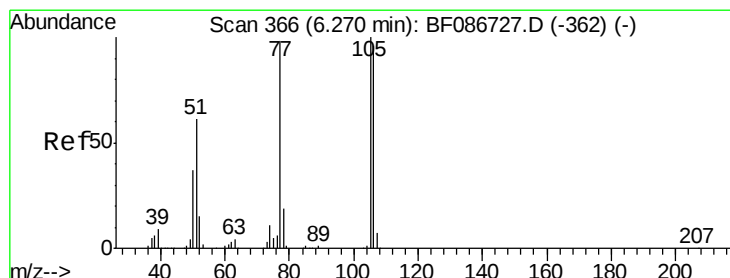
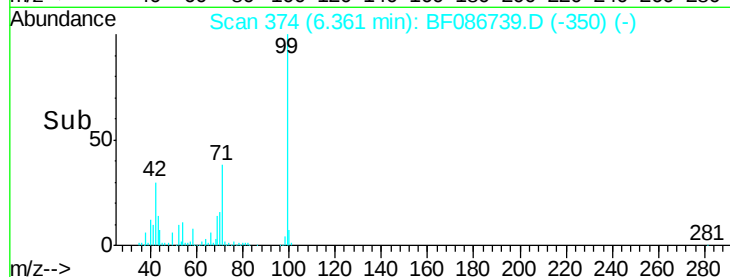
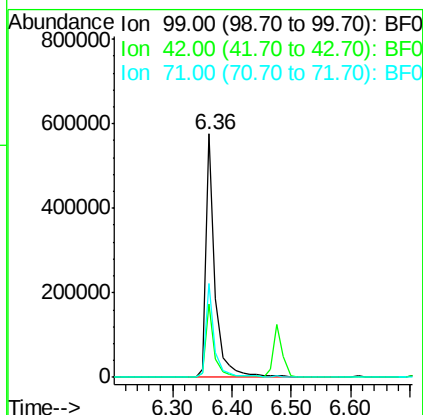
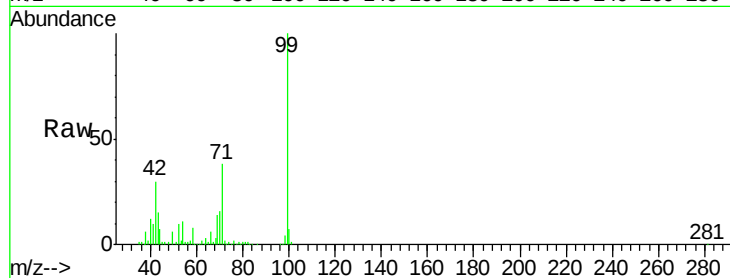
Tot Ion: 99 Resp: 637049

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

71 38.4 24.6 36.8#



#9

Benzaldehyde

Concen: 4.50 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

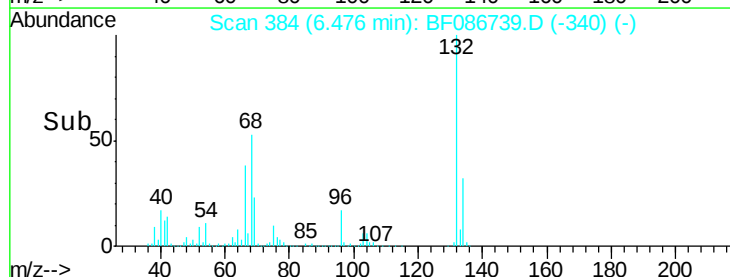
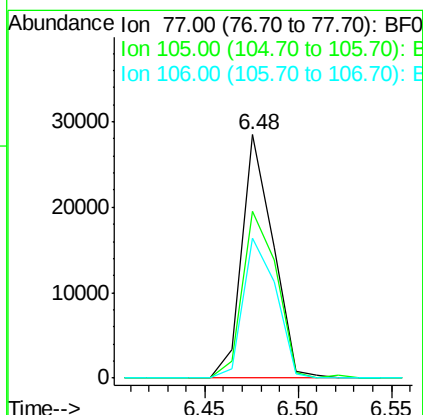
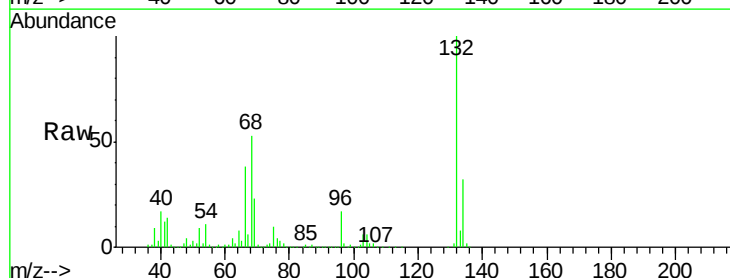
Tgt Ion: 77 Resp: 33117

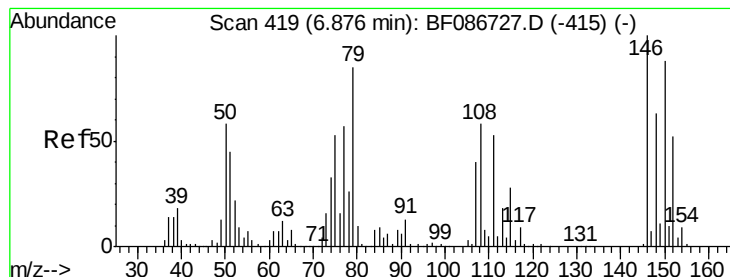
Ion Ratio Lower Upper

77 100

105 68.7 72.7 112.7#

106 57.4 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

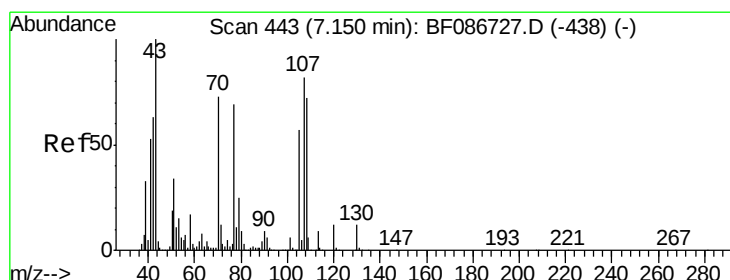
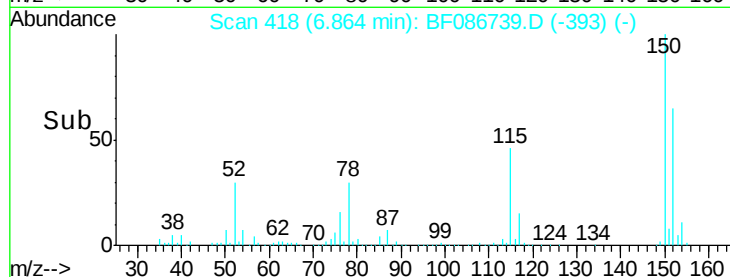
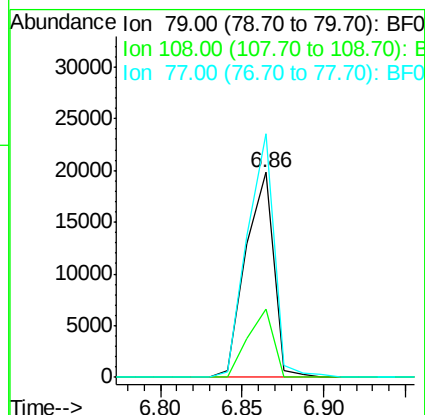
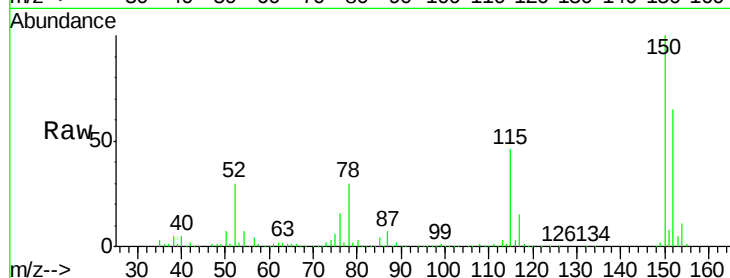
Tot Ion: 79 Resp: 23510

Ion Ratio Lower Upper

79 100

108 33.3 68.4 102.6#

77 118.9 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.61 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

Tgt Ion: 70 Resp: 177322

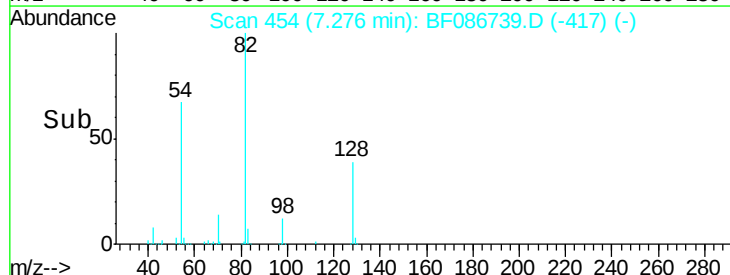
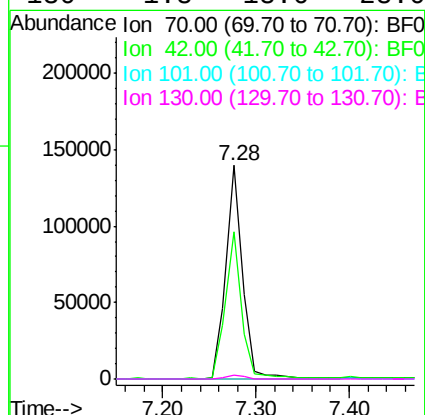
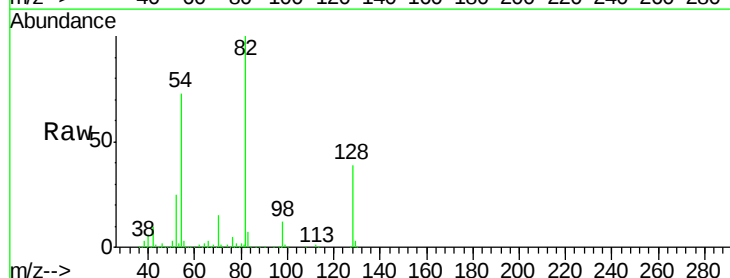
Ion Ratio Lower Upper

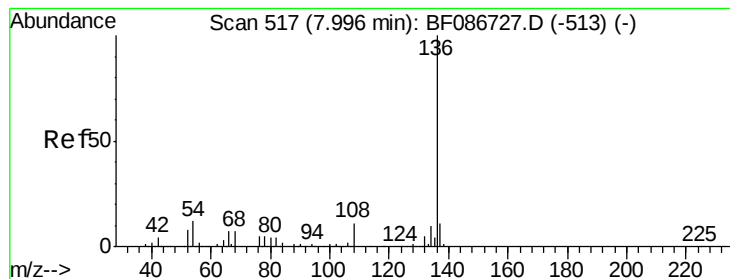
70 100

42 68.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 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: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 746052

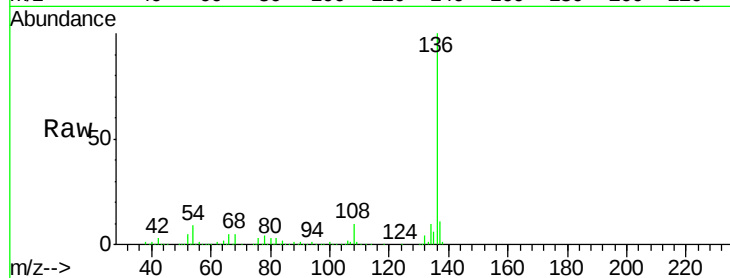
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.8 5.0 7.4#

68 5.1 4.4 6.6

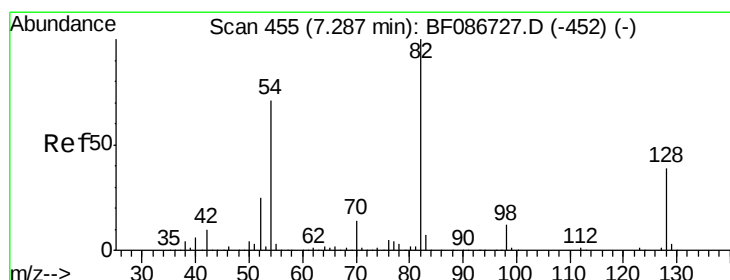
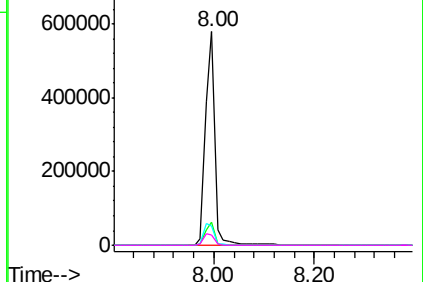
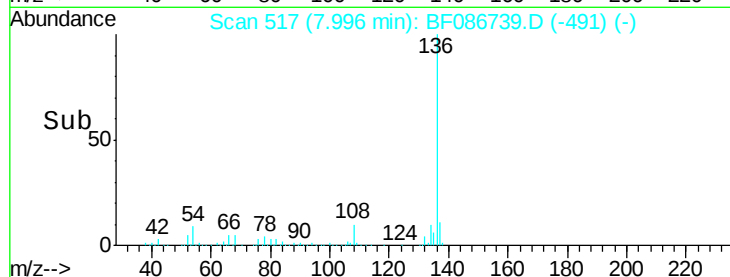


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.54 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

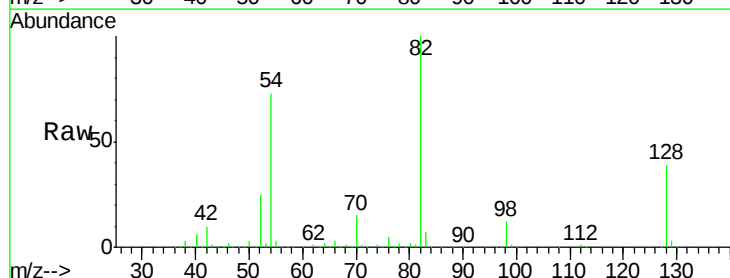
Tgt Ion: 82 Resp: 1270941

Ion Ratio Lower Upper

82 100

128 38.8 40.6 61.0#

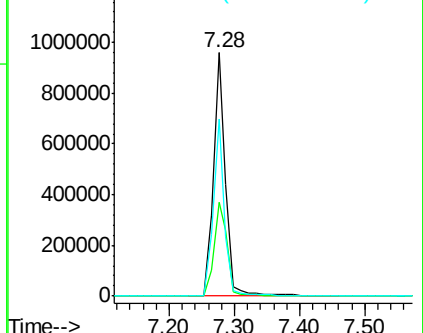
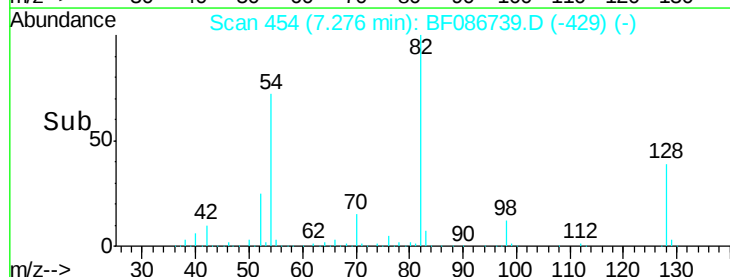
54 72.5 38.1 57.1#

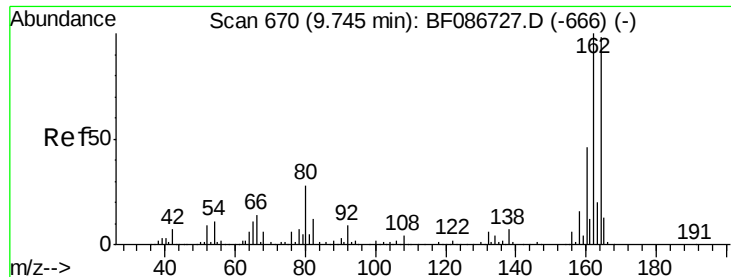


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

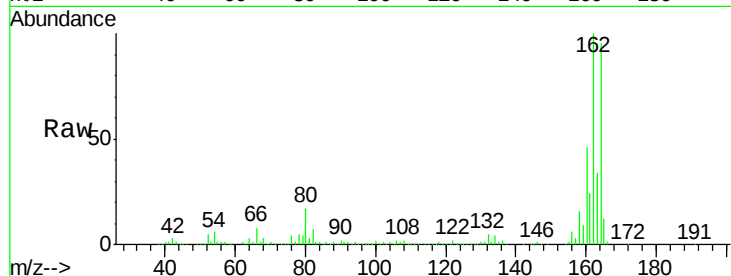
Tot Ion:164 Resp: 360822

Ion Ratio Lower Upper

164 100

162 104.9 82.8 124.2

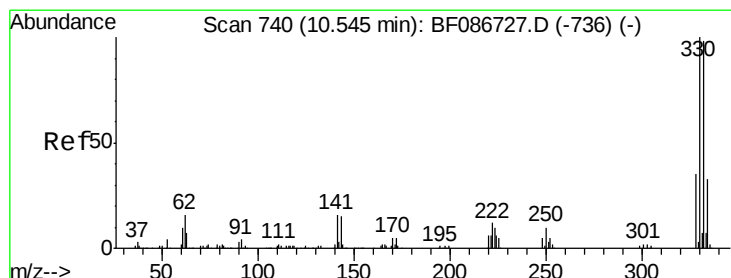
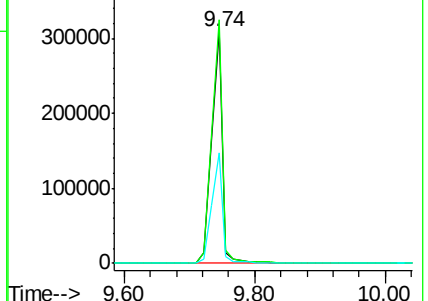
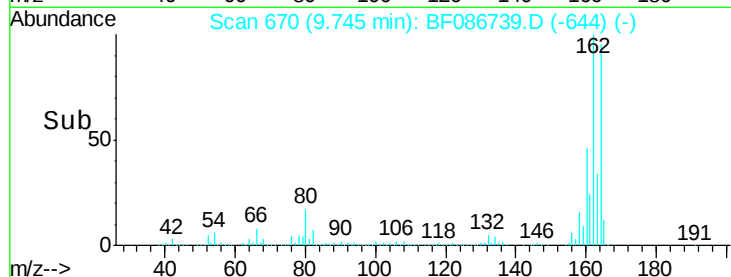
160 47.8 36.9 55.3



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: 130.93 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

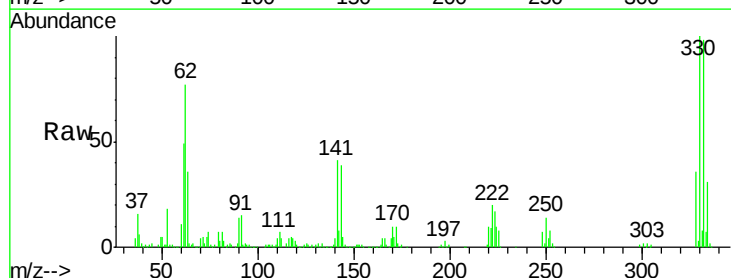
Tgt Ion:330 Resp: 462124

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

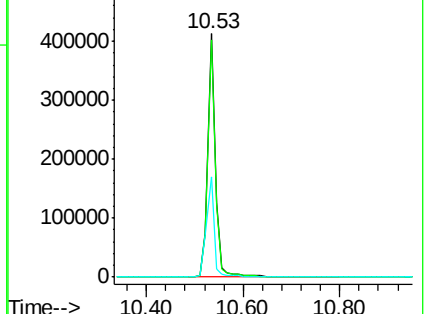
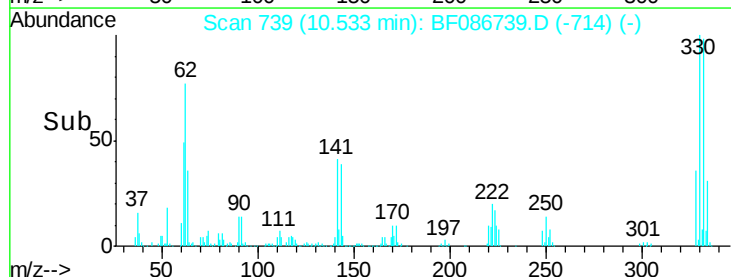
141 40.9 31.2 46.8

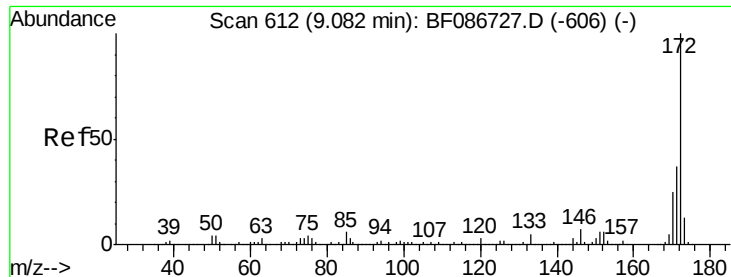


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



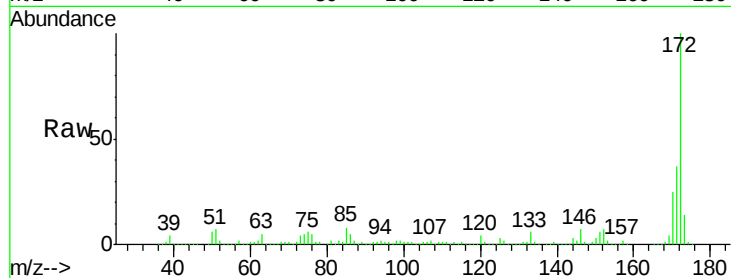


#44
 2-Fluorobiphenyl
 Concen: 89.59 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086739.D
 Acq: 6 May 2016 22:28

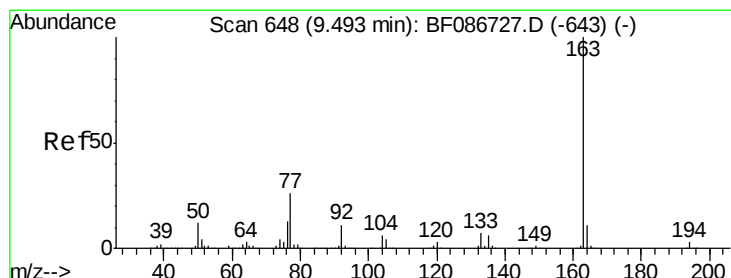
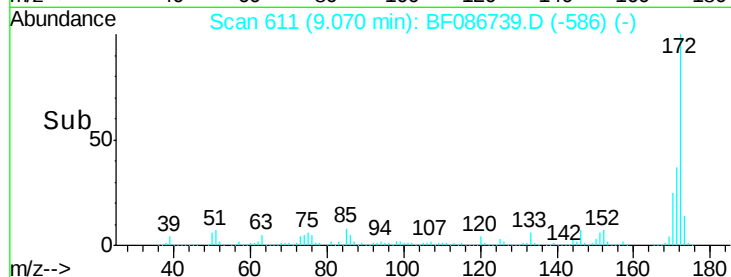
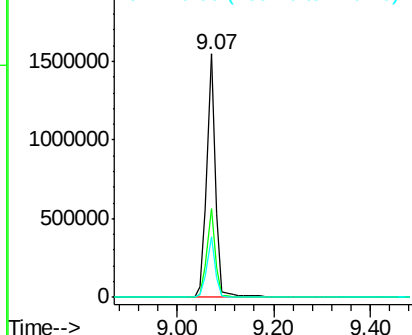
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1972117

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	24.7	19.8	29.8



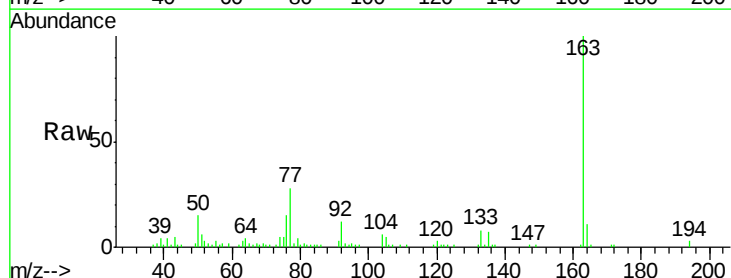
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



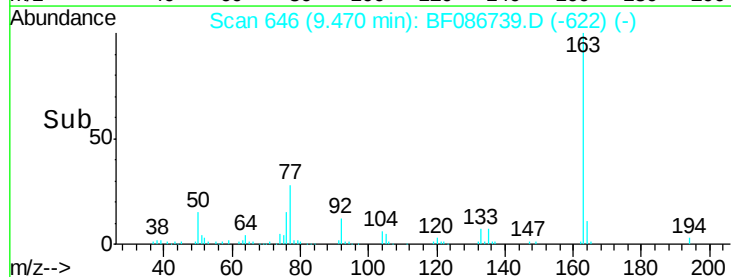
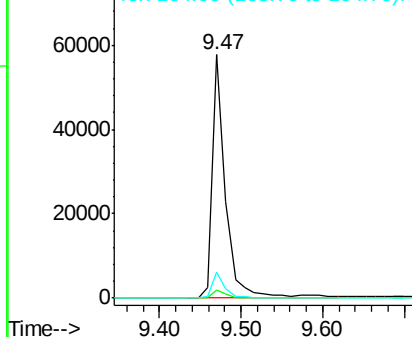
#49
 Dimethylphthalate
 Concen: 2.47 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF086739.D
 Acq: 6 May 2016 22:28

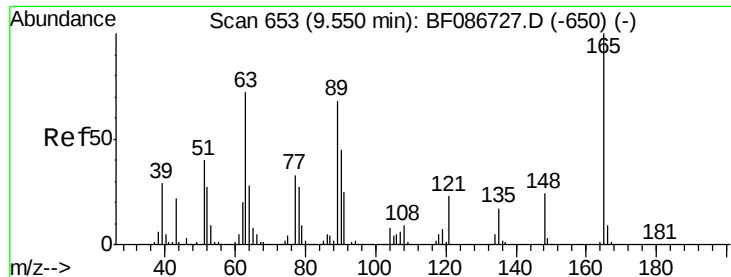
Tgt Ion:163 Resp: 66568

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.9	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

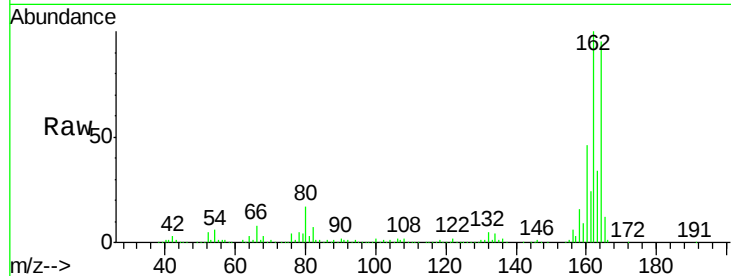




#50
 2,6-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.19 min
 Lab File: BF086739.D
 Acq: 6 May 2016 22:28

Instrument :
 BNA_F
 ClientSampleId :

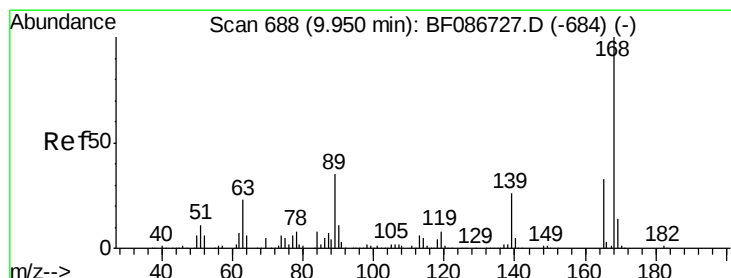
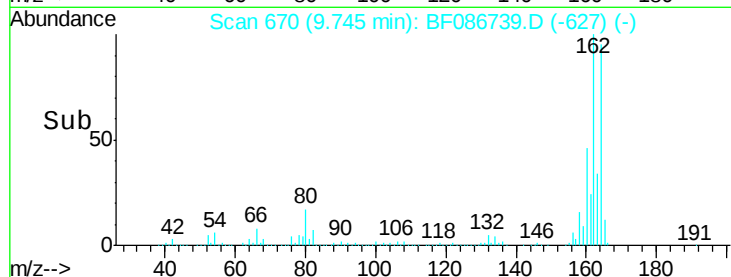
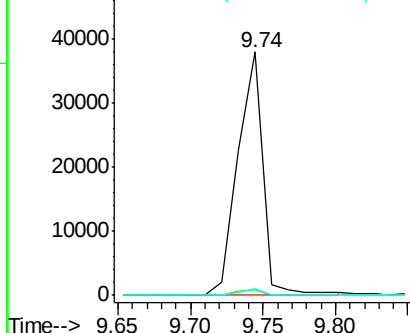
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	51.8	77.8#
89	2.7	50.7	76.1#



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: 6.49 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.21 min
 Lab File: BF086739.D
 Acq: 6 May 2016 22:28

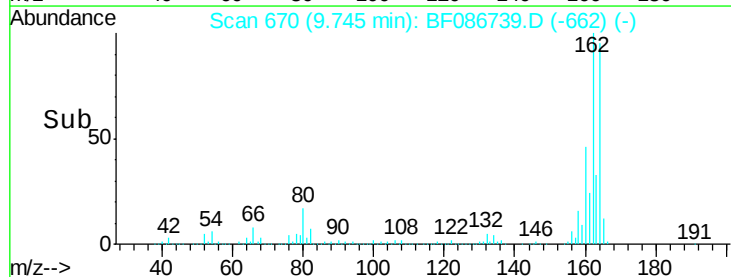
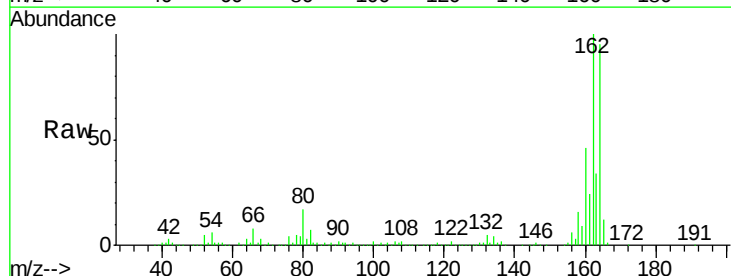
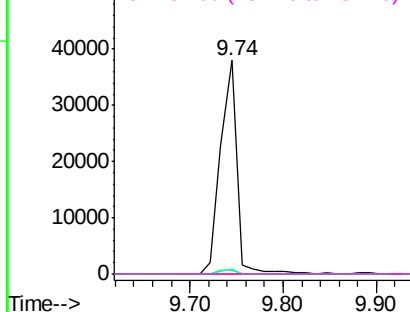
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.3	66.5#
89	2.7	70.0	105.0#
182	0.0	1.8	2.6#

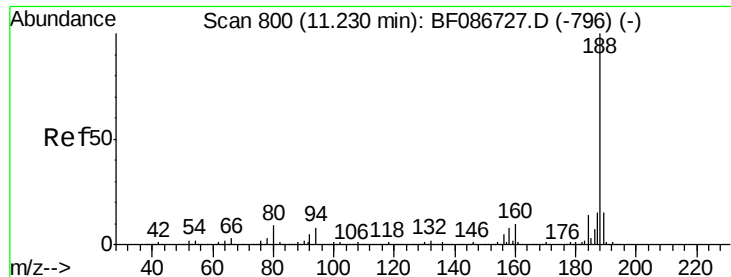
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

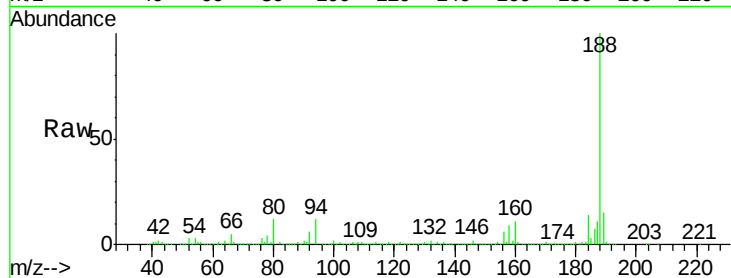
Tot Ion:188 Resp: 588772

Ion Ratio Lower Upper

188 100

94 11.7 6.8 10.2#

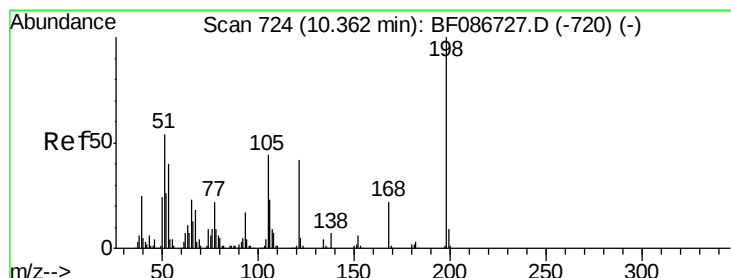
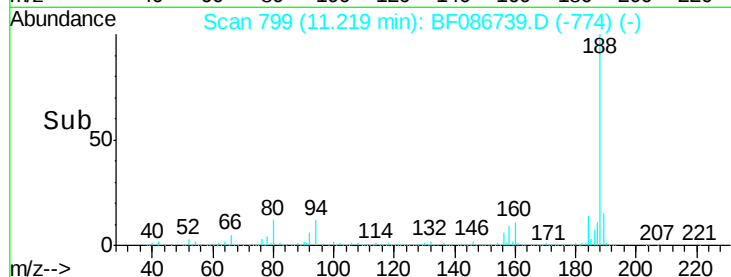
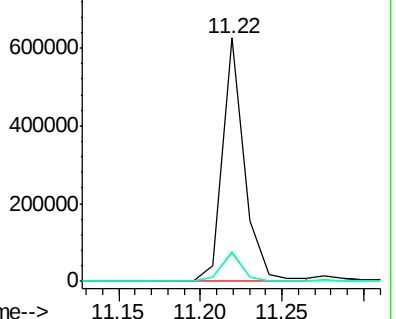
80 12.3 7.1 10.7#



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: 5.79 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.17 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

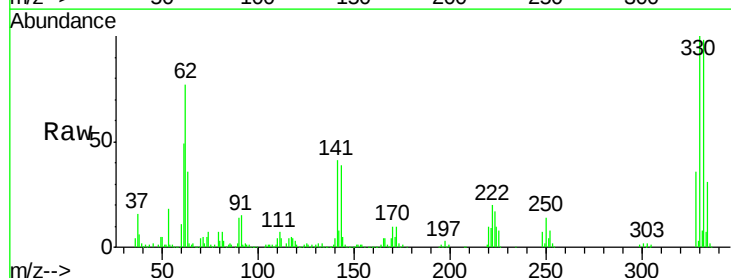
Tgt Ion:198 Resp: 1512

Ion Ratio Lower Upper

198 100

51 248.1 20.5 60.5#

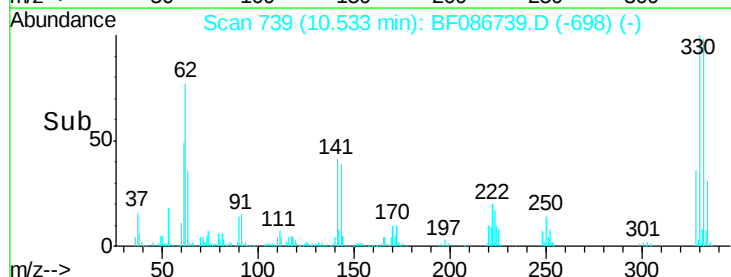
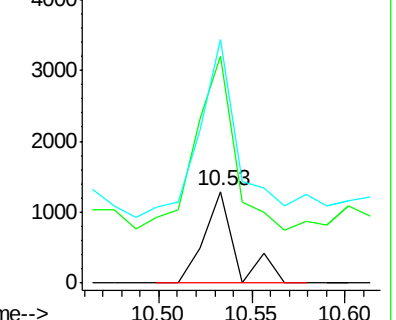
105 266.6 24.5 64.5#

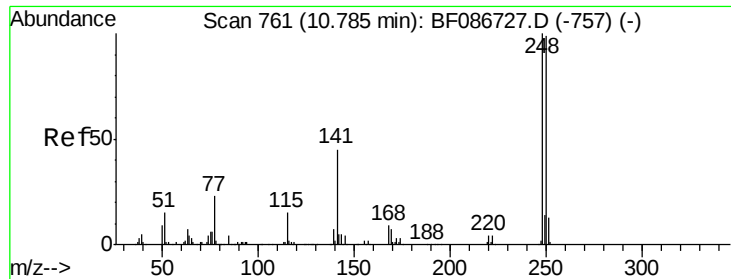


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

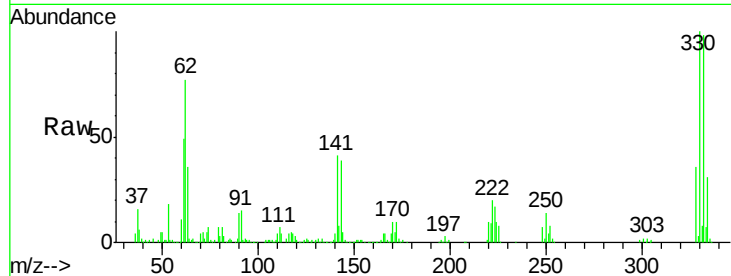




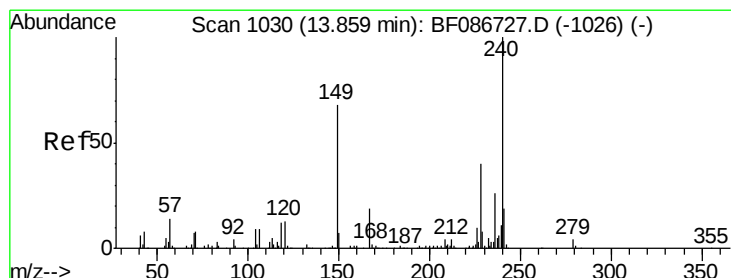
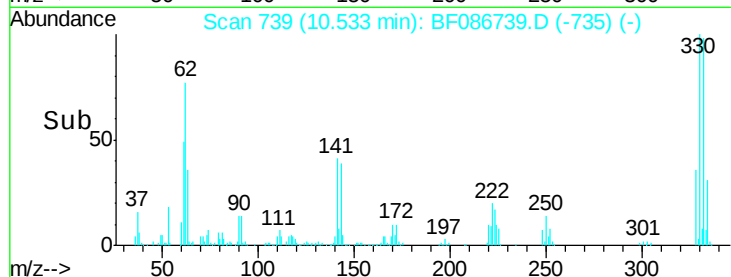
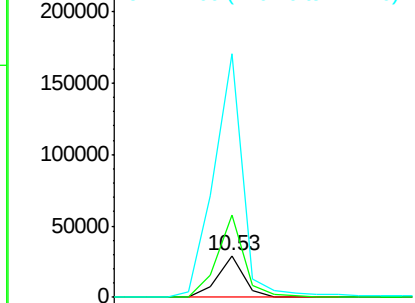
#66
4-Bromophenyl-phenylether
Concen: 4.97 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.25 min
Lab File: BF086739.D
Acq: 6 May 2016 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 29100
Ion Ratio Lower Upper
248 100
250 195.9 78.6 117.8#
141 583.4 76.0 114.0#

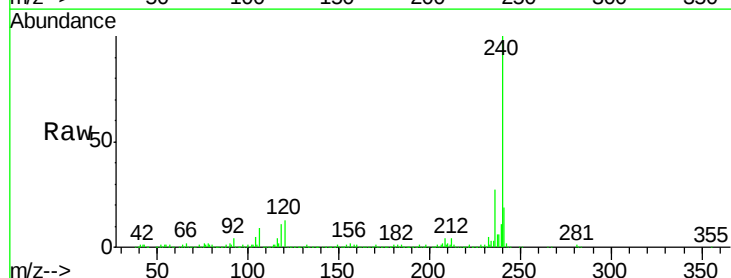


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

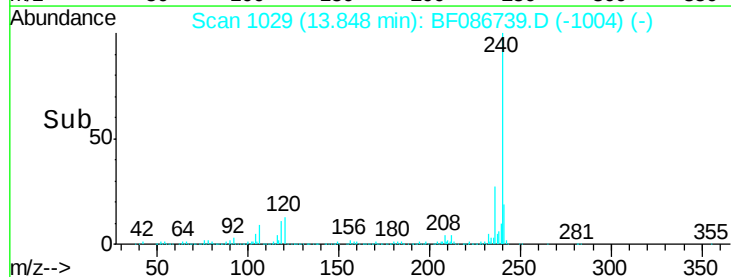
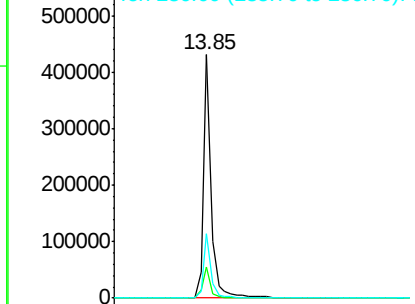


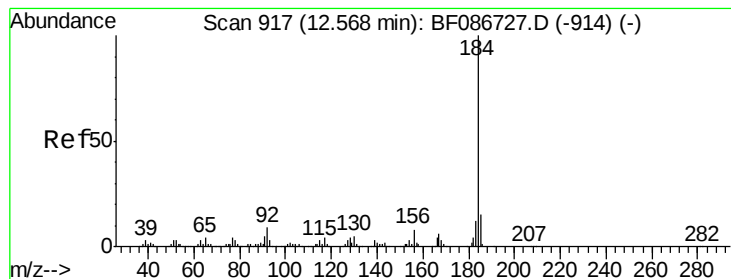
#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086739.D
Acq: 6 May 2016 22:28

Tgt Ion:240 Resp: 448146
Ion Ratio Lower Upper
240 100
120 12.9 11.2 16.8
236 26.6 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





#76

Benzidine

Concen: 7.16 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

Instrument :

BNA_F

ClientSampleId :

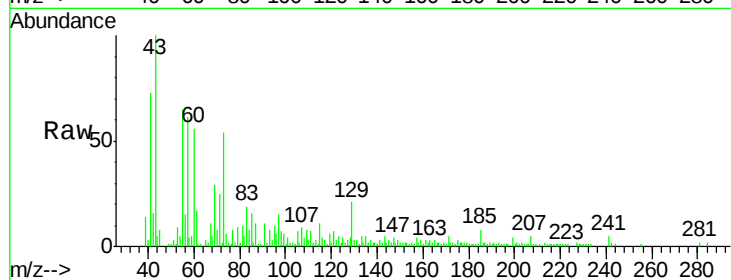
Tot Ion:184 Resp: 953

Ion Ratio Lower Upper

184 100

185 993.0 13.6 20.4#

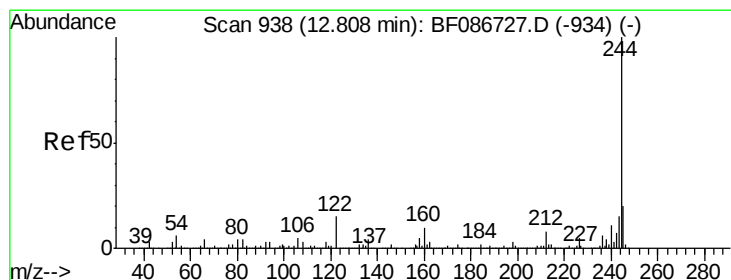
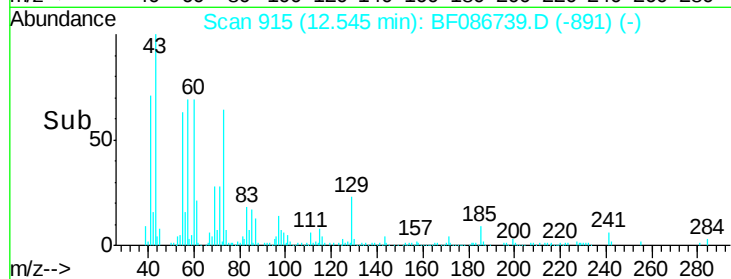
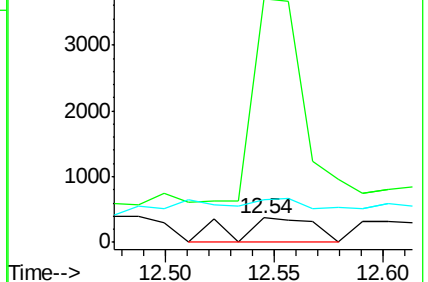
183 174.3 9.8 14.6#



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: 72.40 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF086739.D

Acq: 6 May 2016 22:28

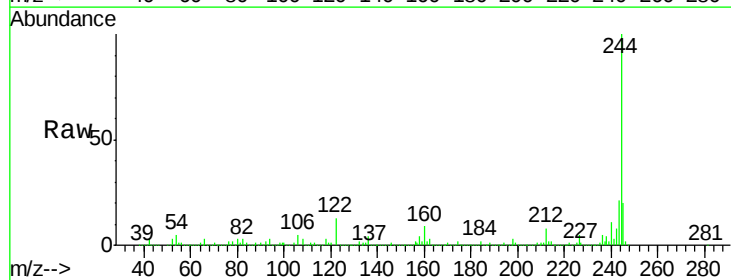
Tgt Ion:244 Resp: 1605475

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

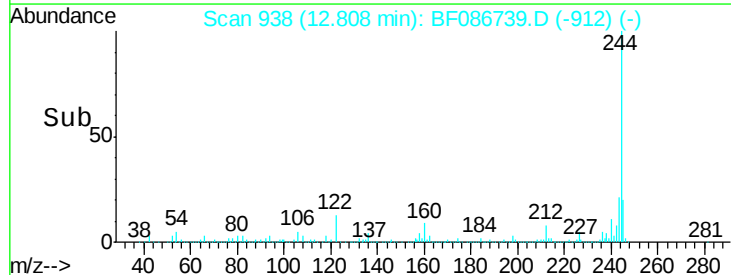
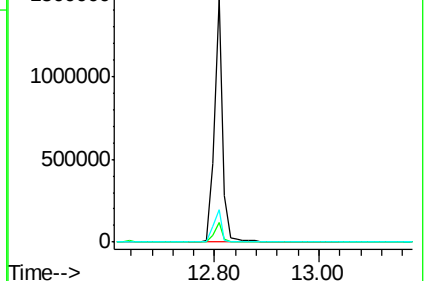
122 13.1 12.0 18.0

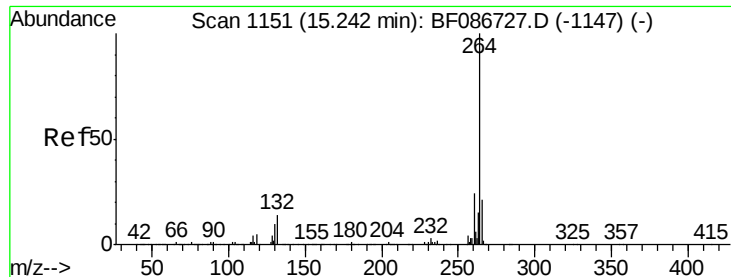


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

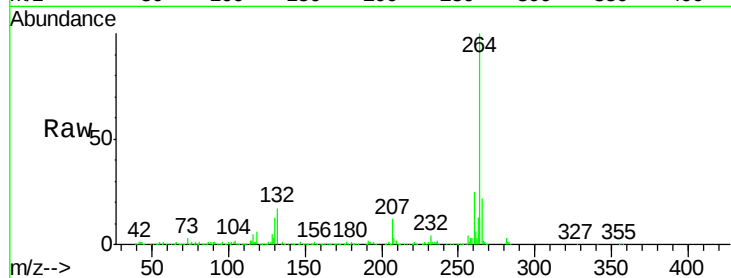




#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF086739.D
Acq: 6 May 2016 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.9	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

