

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089432.D
 Acq On : 30 Jul 2016 2:41
 Operator : UM/SJ
 Sample : H4221-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-46-10.0-15.0

Quant Time: Jul 30 03:08:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 30 01:00:15 2016
 Response via : Initial Calibration

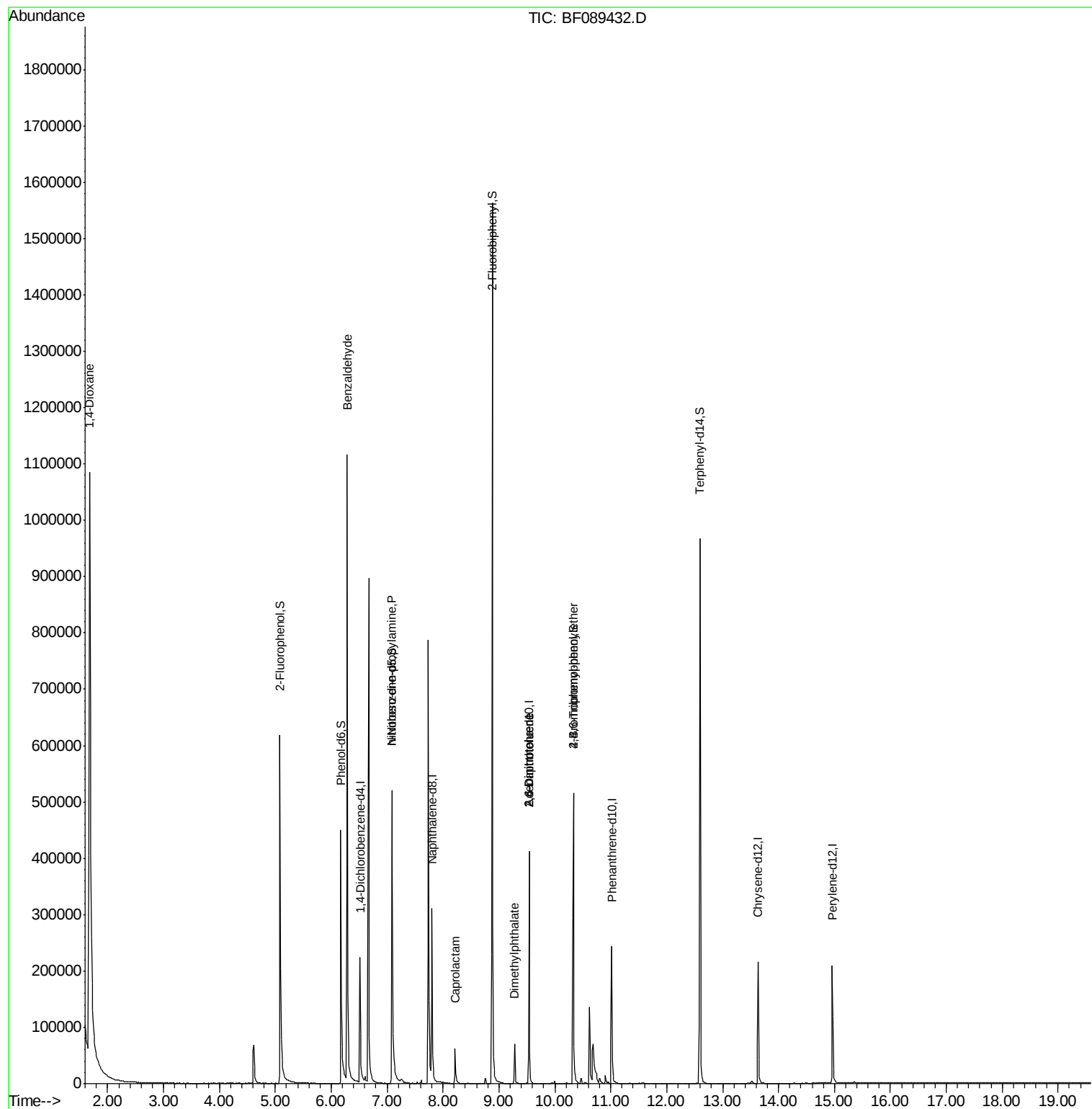
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	46815	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	180366	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	80906	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	115875	20.00	ng	0.00
75) Chrysene-d12	13.63	240	92631	20.00	ng	0.00
86) Perylene-d12	14.96	264	100122	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	227345	77.54	ng	0.00
7) Phenol-d6	6.17	99	220413	56.89	ng	-0.01
23) Nitrobenzene-d5	7.08	82	297246	97.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	74324	110.92	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	505714	91.73	ng	0.00
78) Terphenyl-d14	12.59	244	305563	77.20	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	70011	53.93	ng	# 26
9) Benzaldehyde	6.28	77	8143	4.30	ng	83
19) n-Nitroso-di-n-propylamine	7.08	70	38596	16.52	ng	# 83
35) Caprolactam	8.22	113	8372	12.29	ng	92
49) Dimethylphthalate	9.28	163	30476	4.95	ng	99
50) 2,6-Dinitrotoluene	9.54	165	10217	8.08	ng	# 24
56) 2,4-Dinitrotoluene	9.54	165	10217	6.13	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	5114	4.62	ng	# 1

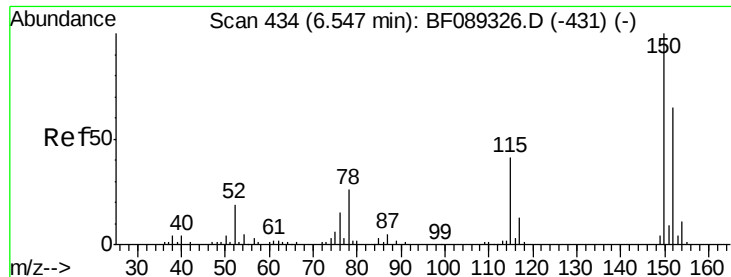
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA_F

ClientSampleId :

GW-46-10.0-15.0

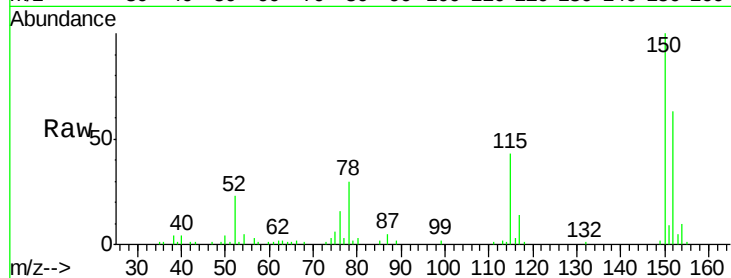
Tgt Ion:152 Resp: 46815

Ion Ratio Lower Upper

152 100

150 159.8 129.5 194.3

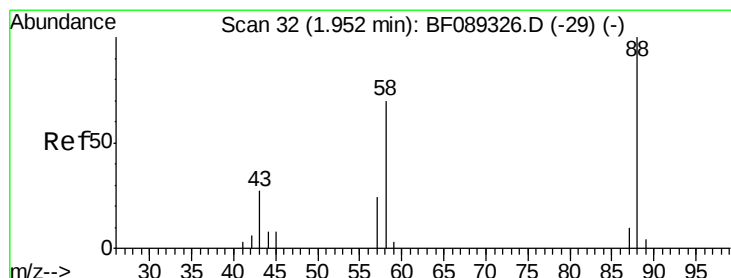
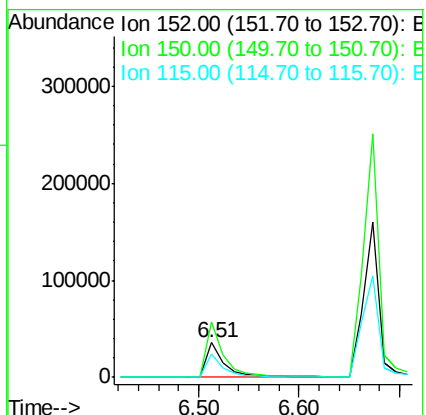
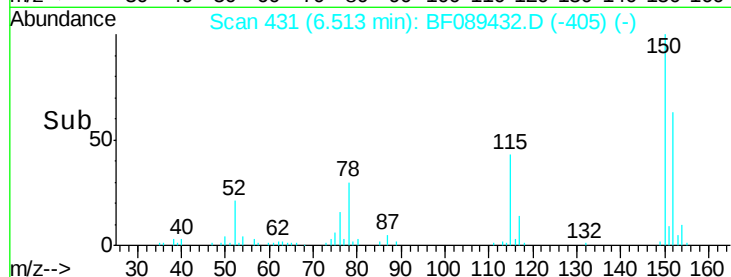
115 69.0 51.4 77.2



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



#2

1,4-Dioxane

Concen: 53.93 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.24 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

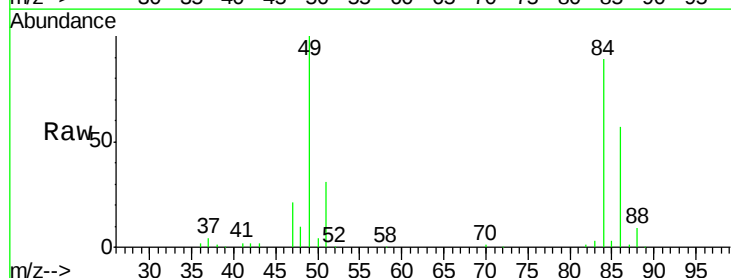
Tgt Ion: 88 Resp: 70011

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

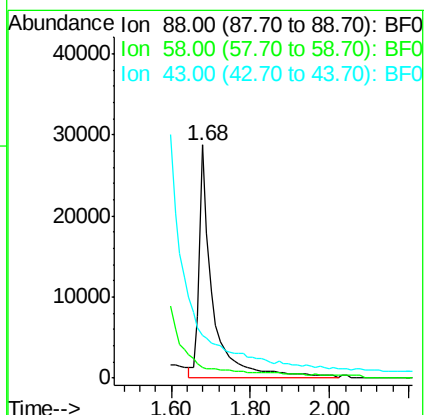
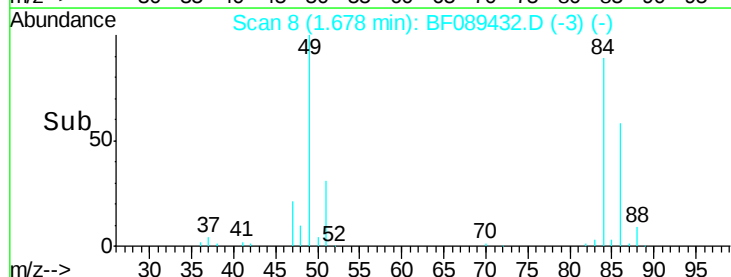
43 0.0 20.6 31.0#

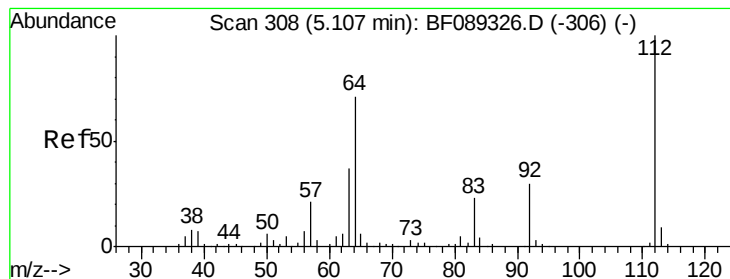


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 77.54 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA_F

ClientSampleId :

GW-46-10.0-15.0

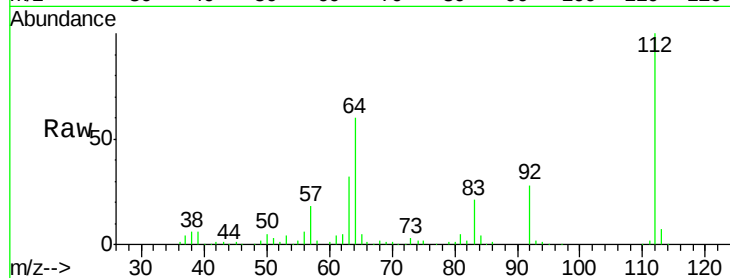
Tgt Ion: 112 Resp: 227345

Ion Ratio Lower Upper

112 100

64 60.2 55.0 82.6

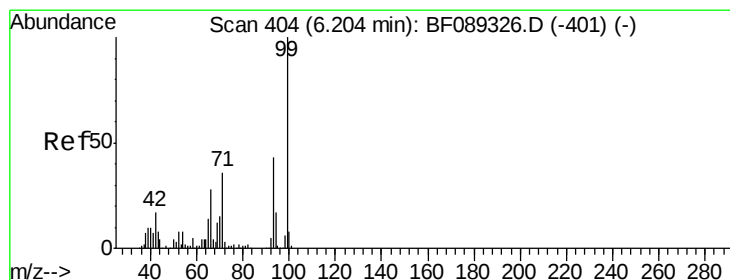
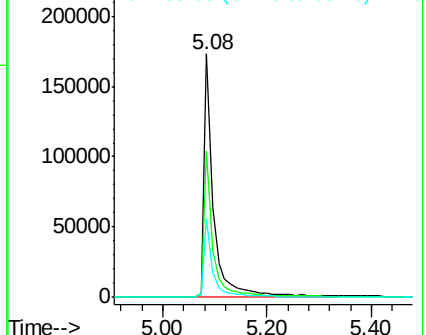
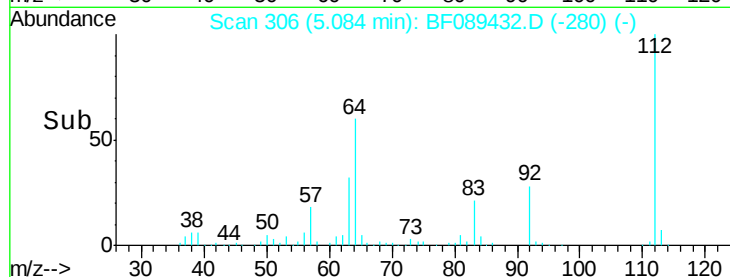
63 32.0 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 56.89 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

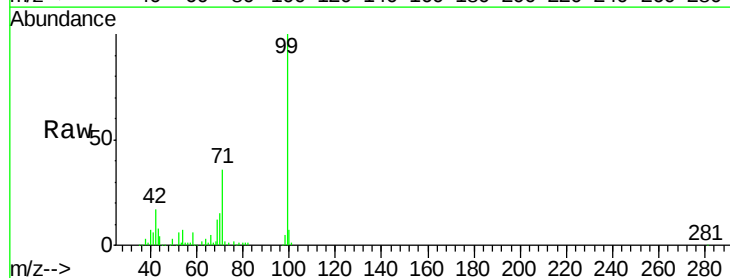
Tgt Ion: 99 Resp: 220413

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

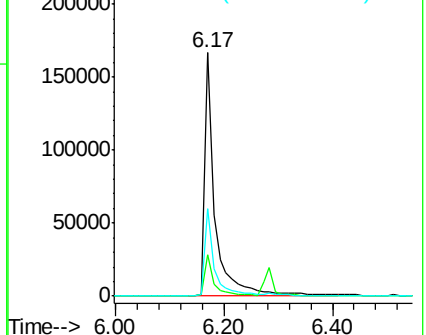
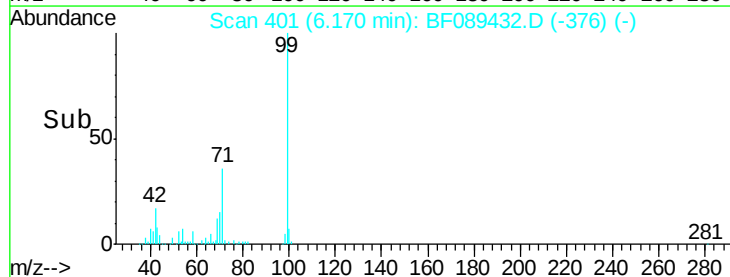
71 36.0 29.4 44.2

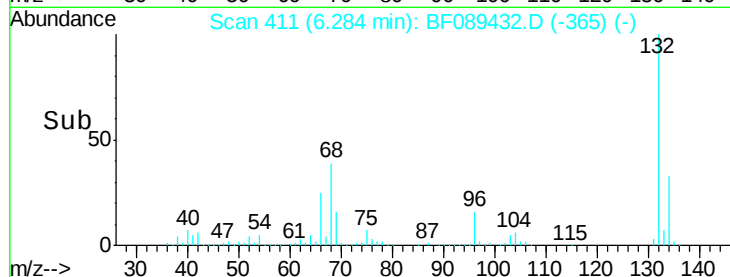
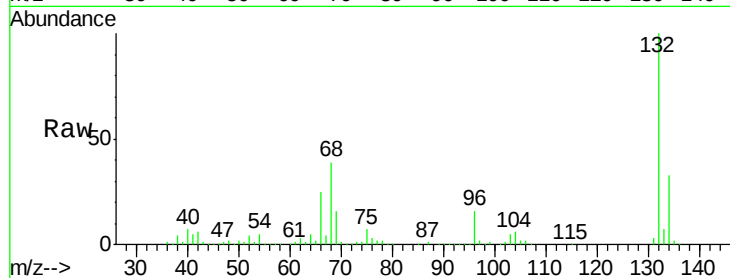
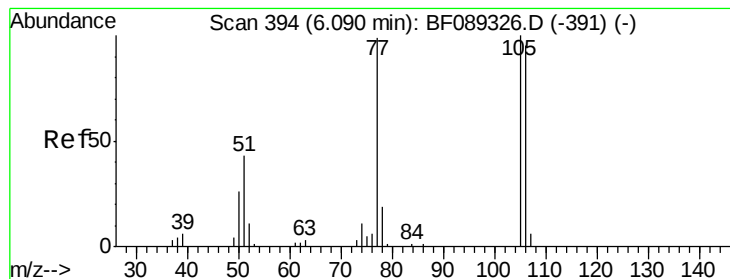


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.30 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.23 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA_F

ClientSampleId :

GW-46-10.0-15.0

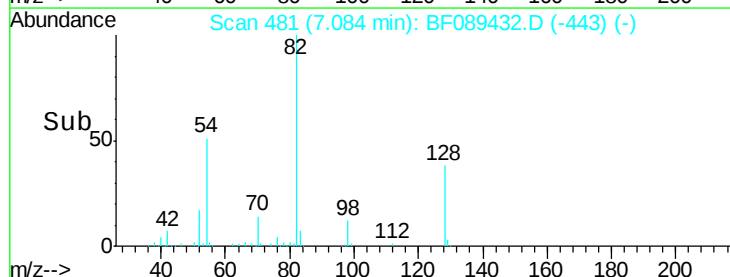
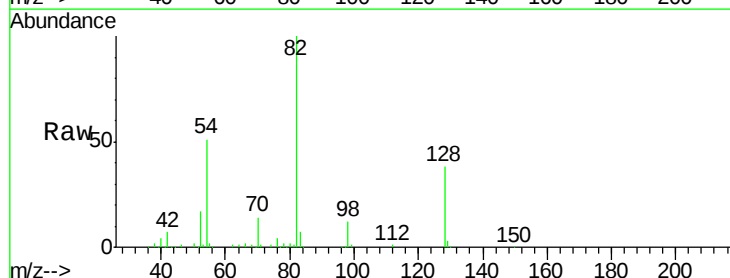
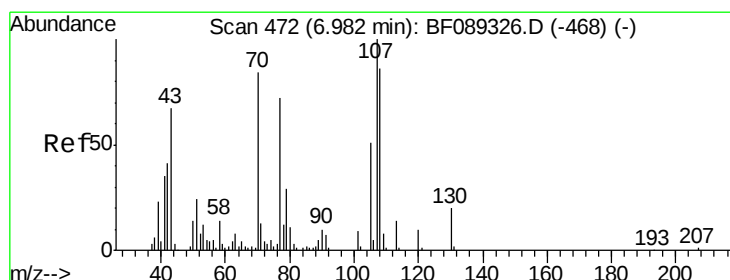
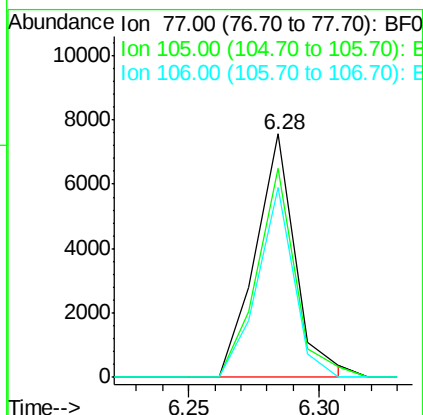
Tgt Ion: 77 Resp: 8143

Ion Ratio Lower Upper

77 100

105 86.1 82.9 122.9

106 78.0 75.9 115.9



#19

n-Nitroso-di-n-propylamine

Concen: 16.52 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Tgt Ion: 70 Resp: 38596

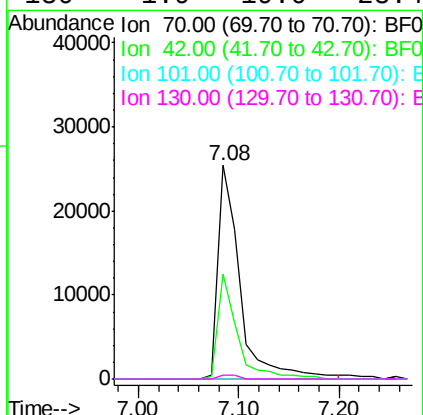
Ion Ratio Lower Upper

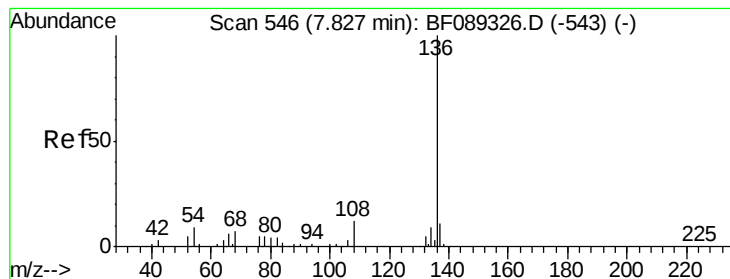
70 100

42 49.2 38.6 57.8

101 0.0 8.3 12.5#

130 1.9 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA_F

ClientSampleId :

GW-46-10.0-15.0

Tgt Ion: 136 Resp: 180366

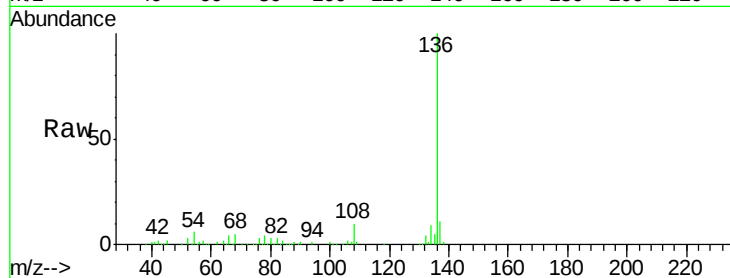
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.5 7.0 10.4#

68 4.7 4.9 7.3#

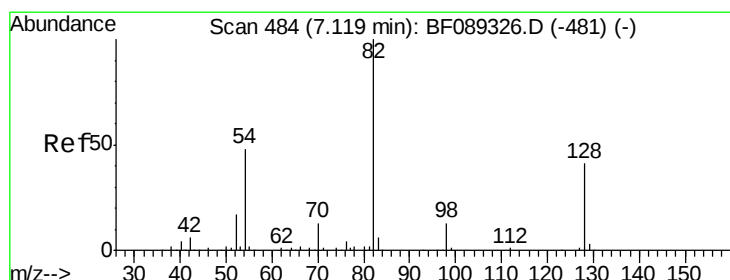
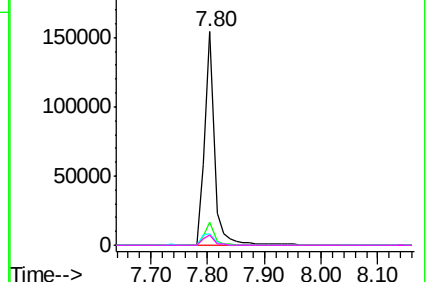
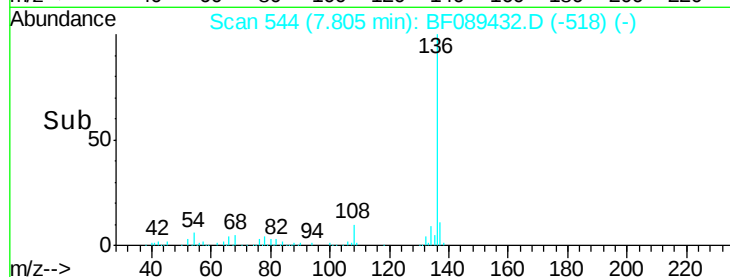


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.28 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

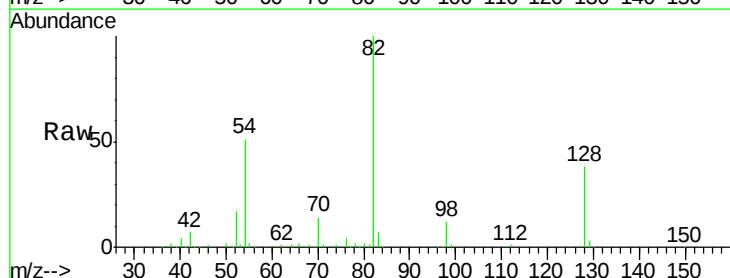
Tgt Ion: 82 Resp: 297246

Ion Ratio Lower Upper

82 100

128 37.5 32.5 48.7

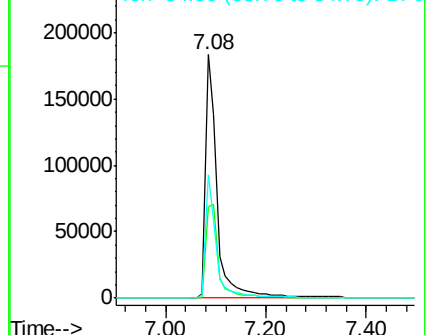
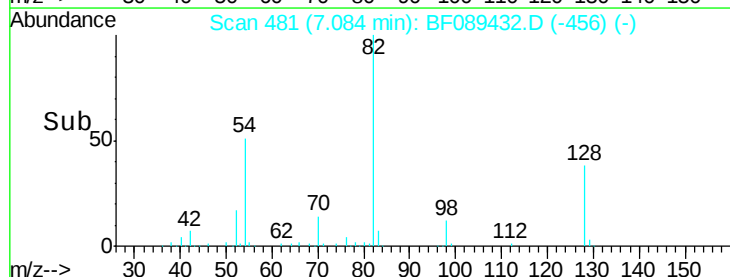
54 50.7 38.8 58.2

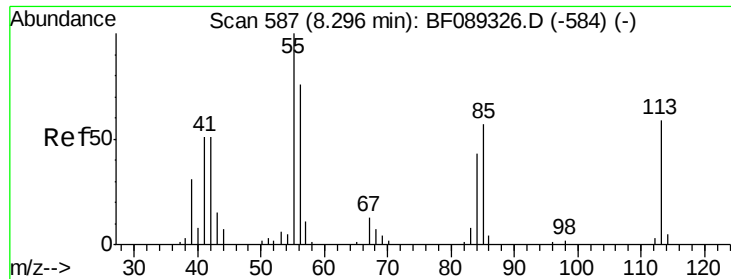


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

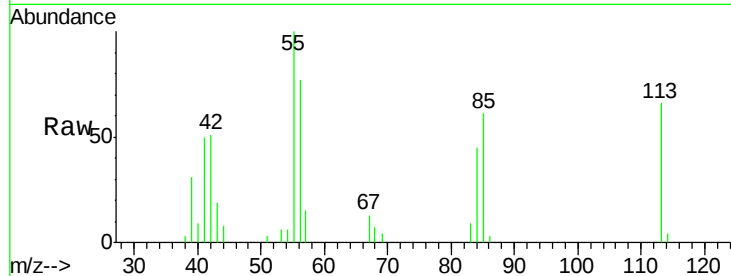




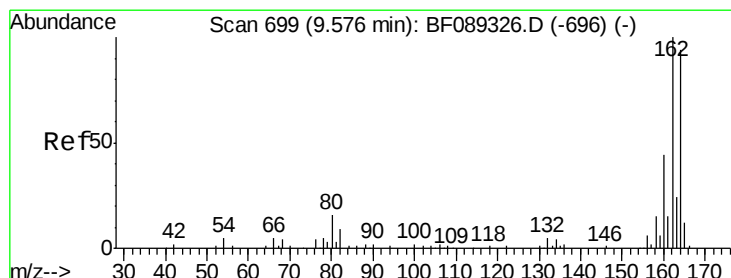
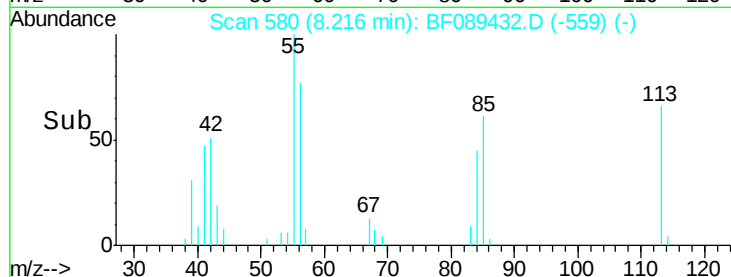
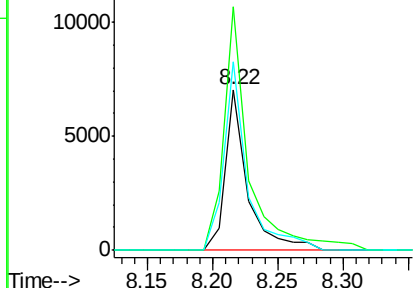
#35
 Caprolactam
 Concen: 12.29 ng
 RT: 8.22 min Scan# 580
 Delta R.T. -0.06 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-46-10.0-15.0

Tgt Ion:113 Resp: 8372
 Ion Ratio Lower Upper
 113 100
 55 151.4 142.3 182.3
 56 117.1 105.8 145.8

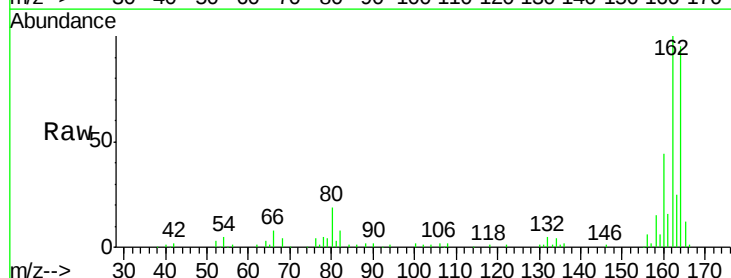


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

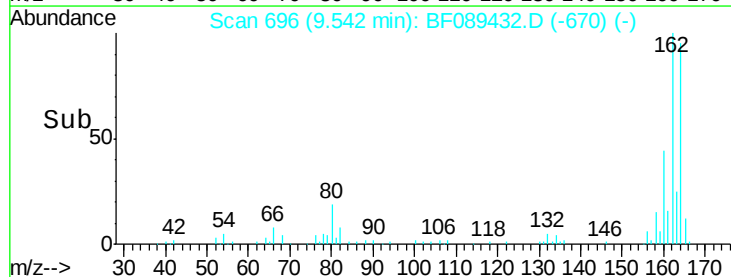
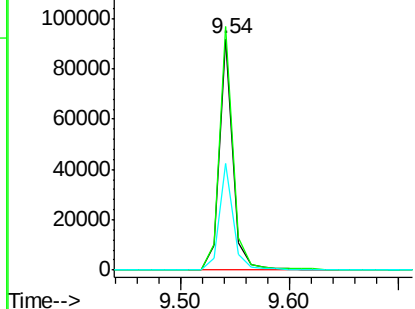


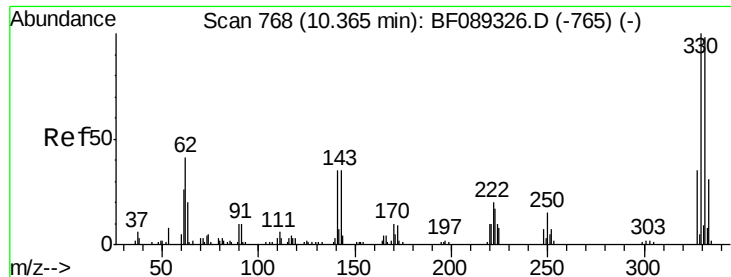
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Tgt Ion:164 Resp: 80906
 Ion Ratio Lower Upper
 164 100
 162 105.2 83.7 125.5
 160 46.2 37.8 56.6



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

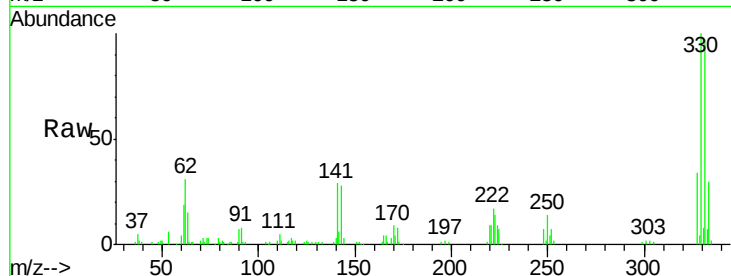




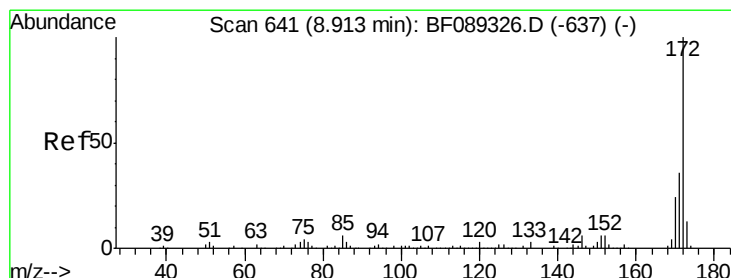
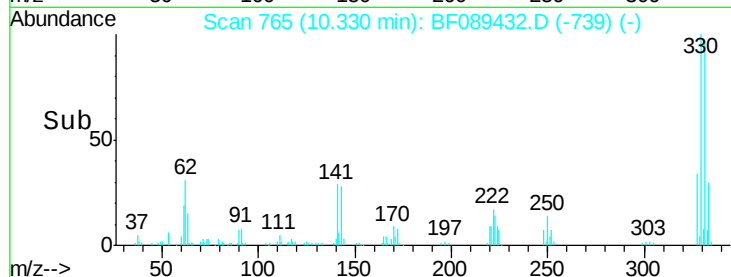
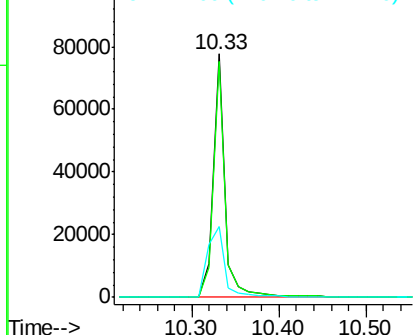
#41
 2,4,6-Tribromophenol
 Concen: 110.92 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-46-10.0-15.0

Tgt Ion:330 Resp: 74324
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.8 115.2
 141 42.9 37.3 55.9

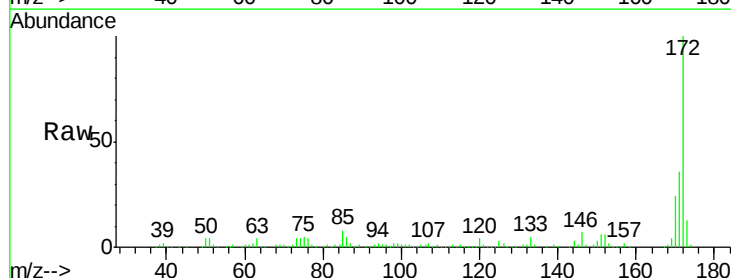


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

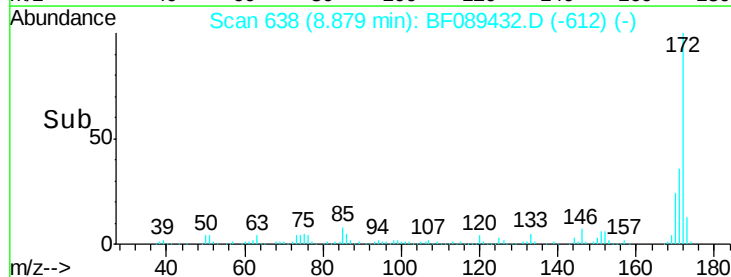
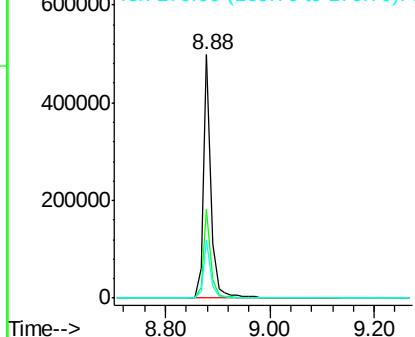


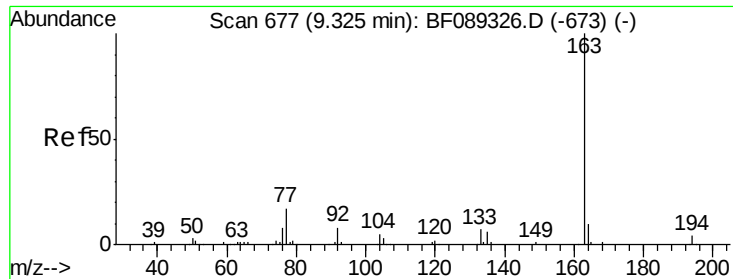
#44
 2-Fluorobiphenyl
 Concen: 91.73 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Tgt Ion:172 Resp: 505714
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 23.8 19.2 28.8



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

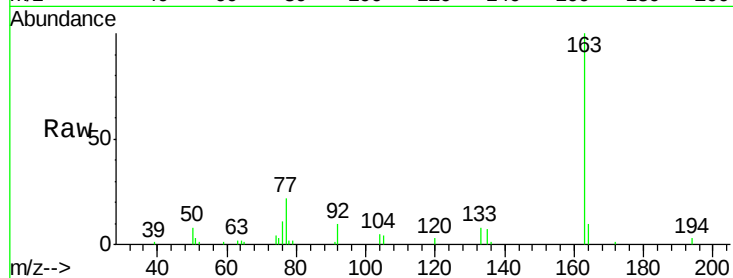




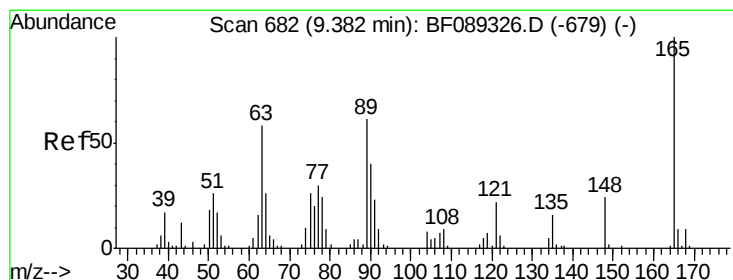
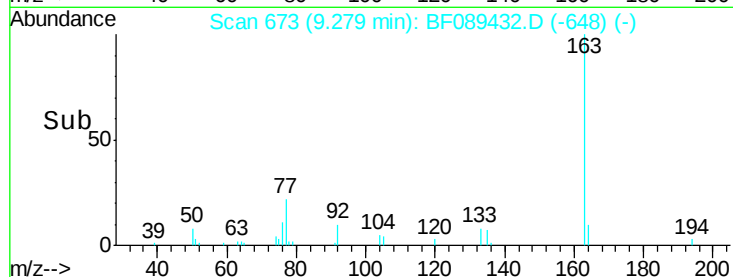
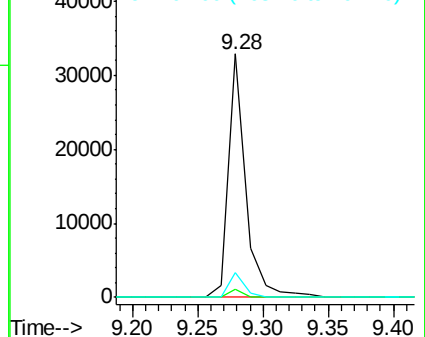
#49
Dimethylphthalate
Concen: 4.95 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF089432.D
Acq: 30 Jul 2016 2:41

Instrument :
BNA_F
ClientSampleId :
GW-46-10.0-15.0

Tgt Ion:163 Resp: 30476
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.3 7.8 11.8

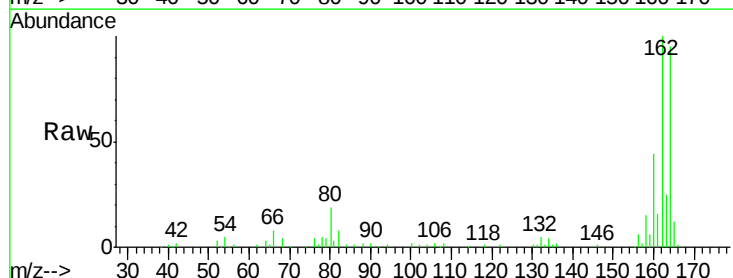


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

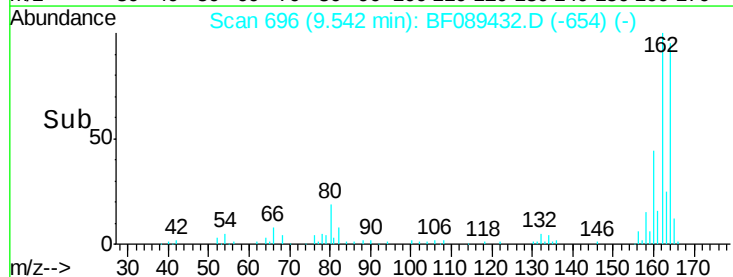
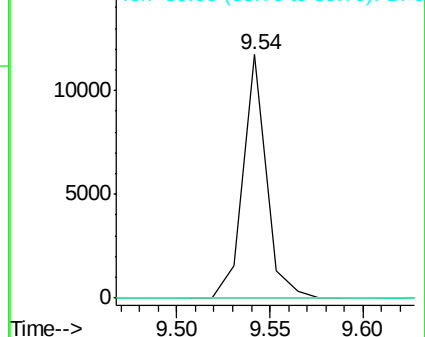


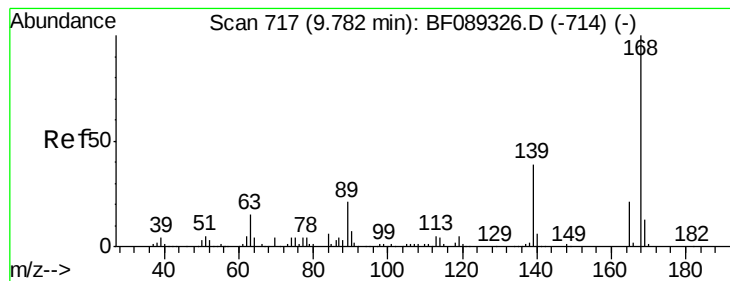
#50
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 9.54 min Scan# 696
Delta R.T. 0.18 min
Lab File: BF089432.D
Acq: 30 Jul 2016 2:41

Tgt Ion:165 Resp: 10217
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 45.0 67.4#



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

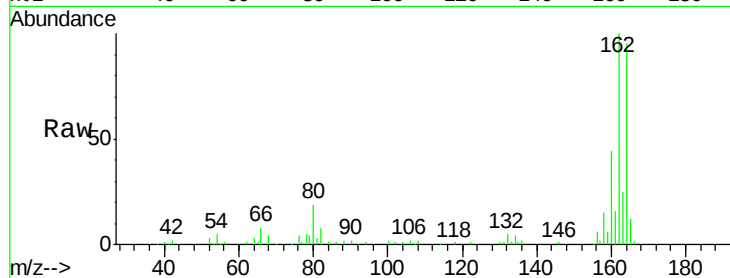




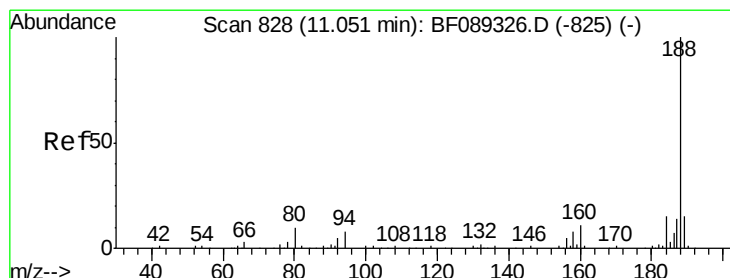
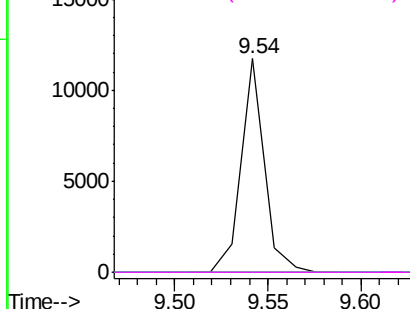
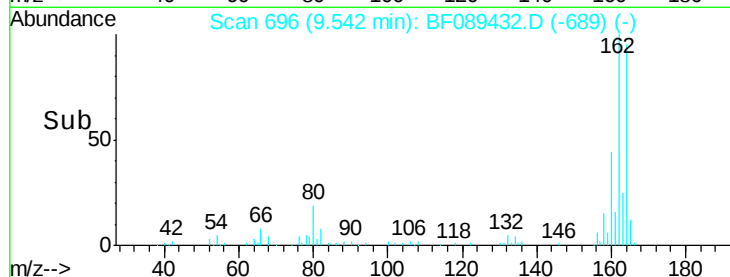
#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.22 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-46-10.0-15.0

Tgt Ion:165 Resp: 10217
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#

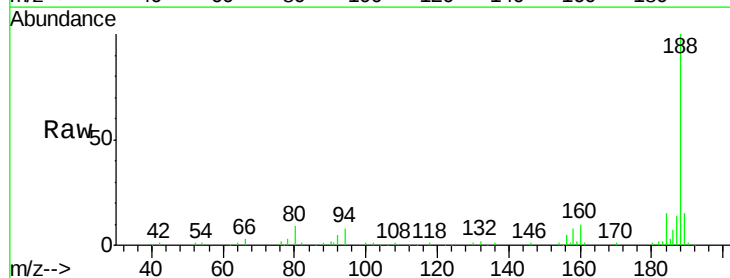


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

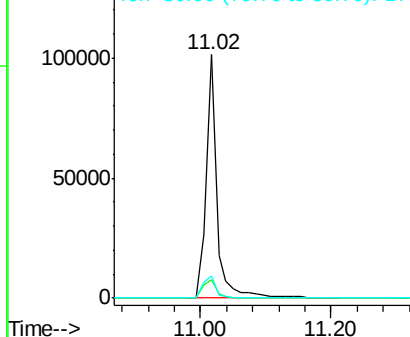
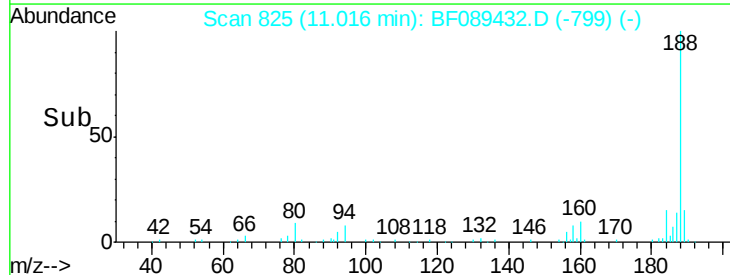


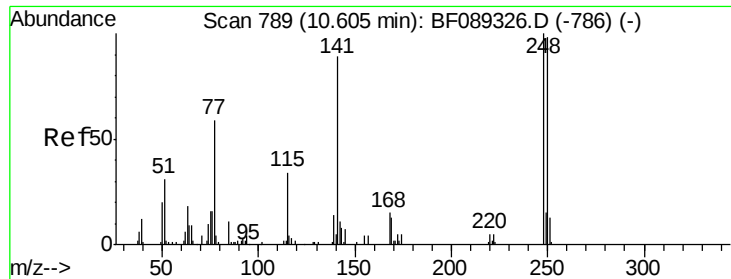
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Tgt Ion:188 Resp: 115875
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.5 9.7
 80 9.0 7.2 10.8



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: 4.62 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.24 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

Instrument :

BNA_F

ClientSampleId :

GW-46-10.0-15.0

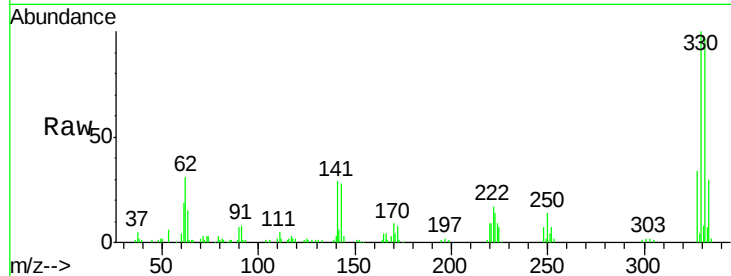
Tgt Ion:248 Resp: 5114

Ion Ratio Lower Upper

248 100

250 205.0 78.2 117.2#

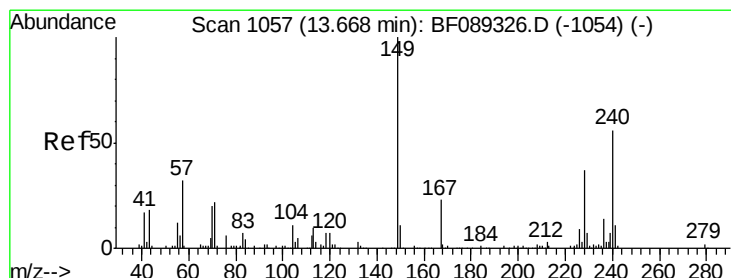
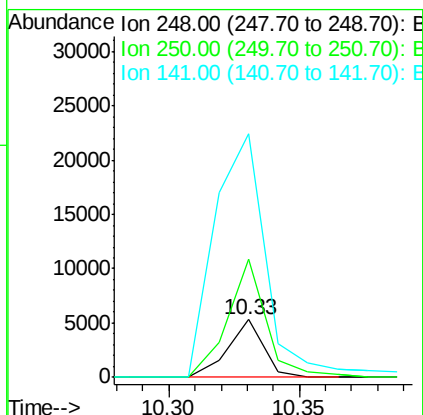
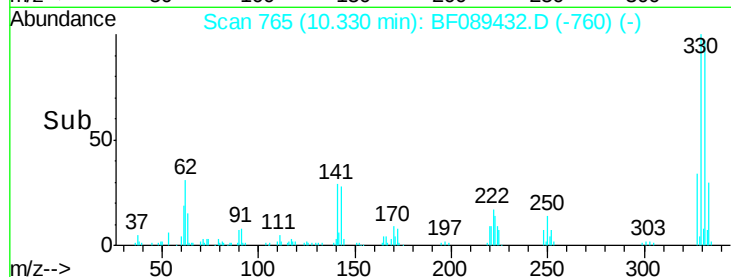
141 420.9 62.0 93.0#



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: 13.63 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF089432.D

Acq: 30 Jul 2016 2:41

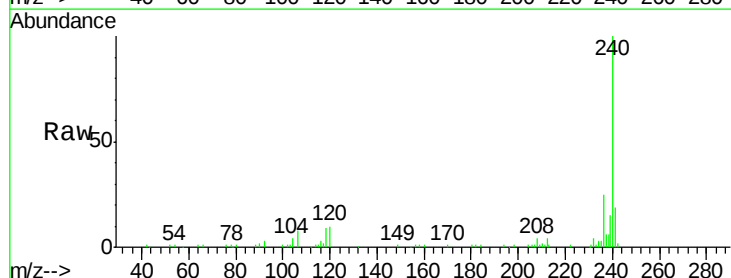
Tgt Ion:240 Resp: 92631

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

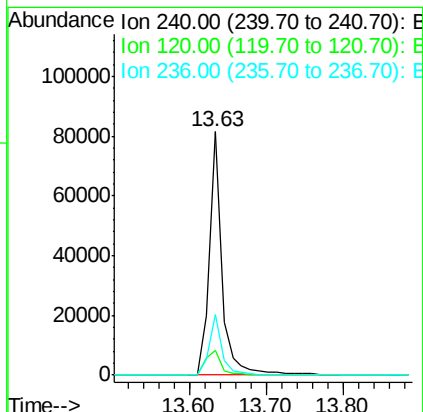
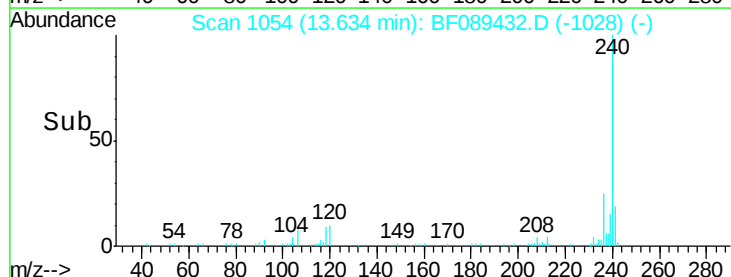
236 24.9 20.6 30.8

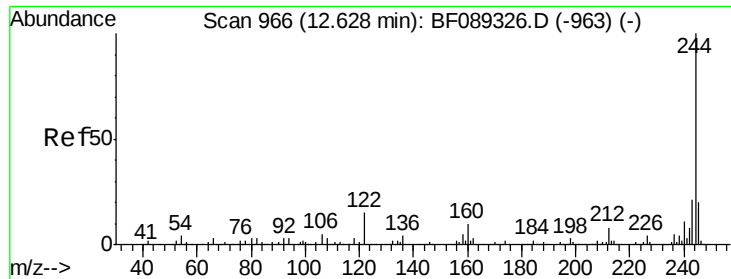


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

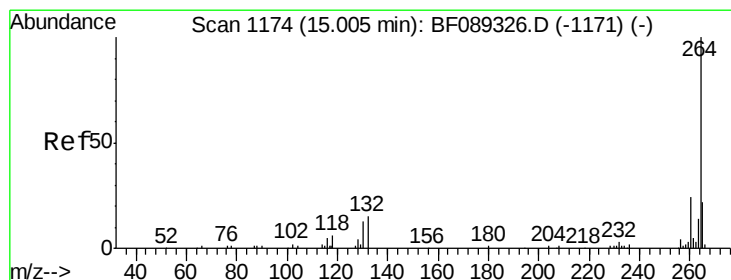
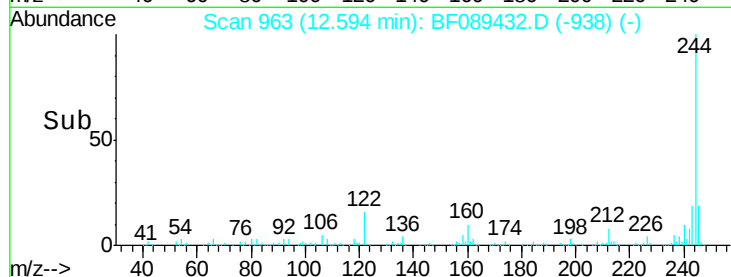
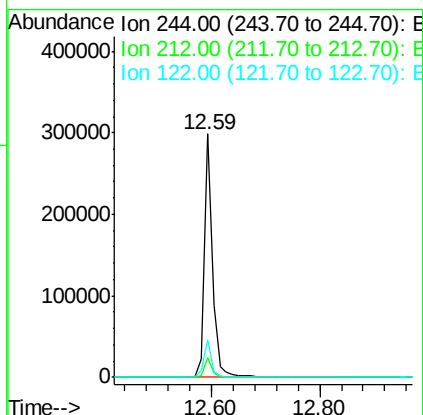
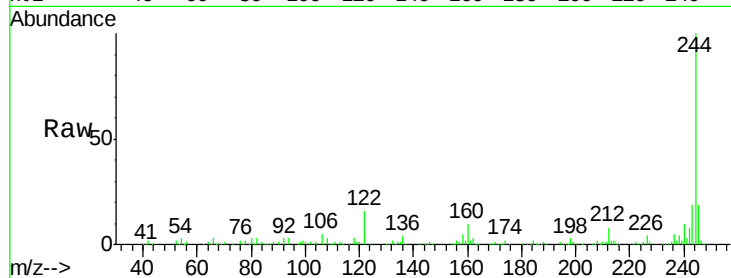




#78
 Terphenyl-d14
 Concen: 77.20 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-46-10.0-15.0

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	15.5	11.4	17.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF089432.D
 Acq: 30 Jul 2016 2:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	21.7	17.5	26.3

