

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089430.D
 Acq On : 30 Jul 2016 1:41
 Operator : UM/SJ
 Sample : H4221-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0

Quant Time: Jul 30 02:26:51 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

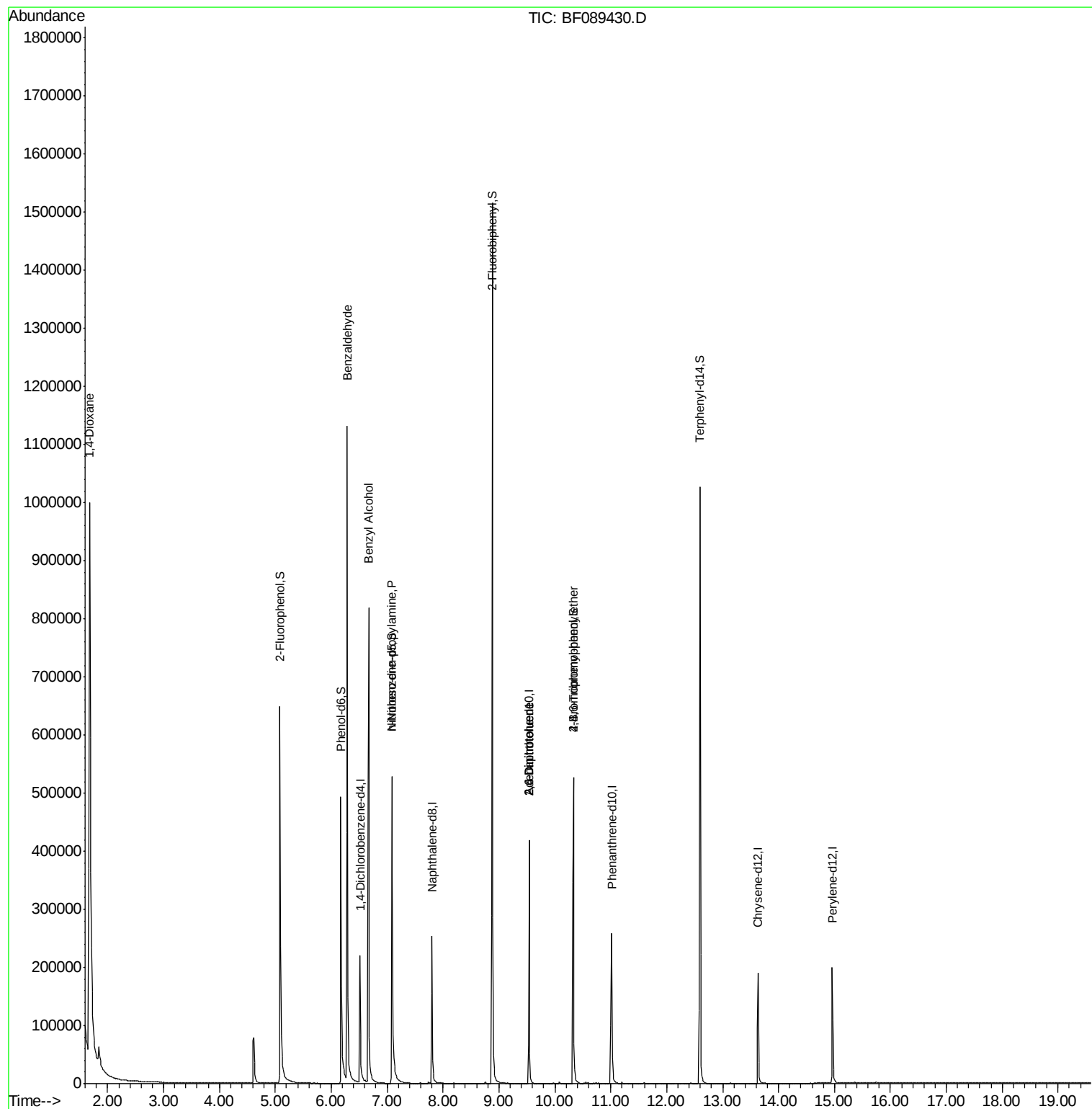
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	46562	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	179876	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	84391	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	129451	20.00	ng	0.00
75) Chrysene-d12	13.63	240	90505	20.00	ng	0.00
86) Perylene-d12	14.96	264	94075	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	243589	83.53	ng	0.00
7) Phenol-d6	6.17	99	244577	63.46	ng	-0.01
23) Nitrobenzene-d5	7.08	82	290792	95.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	77999	111.60	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	516951	89.90	ng	0.00
78) Terphenyl-d14	12.59	244	324381	83.88	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	63016	48.44	ng	# 26
9) Benzaldehyde	6.28	77	8707	4.63	ng	# 79
15) Benzyl Alcohol	6.67	79	4898	2.05	ng	# 43
19) n-Nitroso-di-n-propylamine	7.08	70	36862	15.86	ng	# 82
50) 2,6-Dinitrotoluene	9.54	165	10003	7.58	ng	# 24
56) 2,4-Dinitrotoluene	9.54	165	10003	5.76	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	5710	4.62	ng	# 1

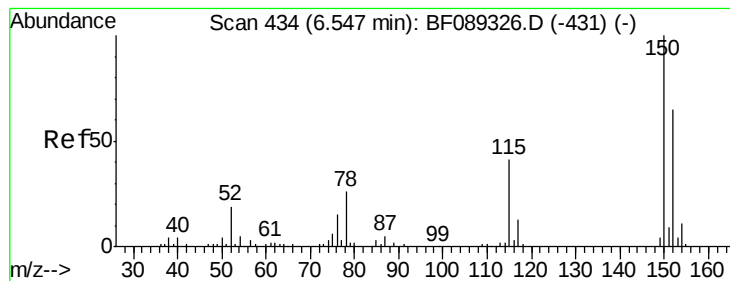
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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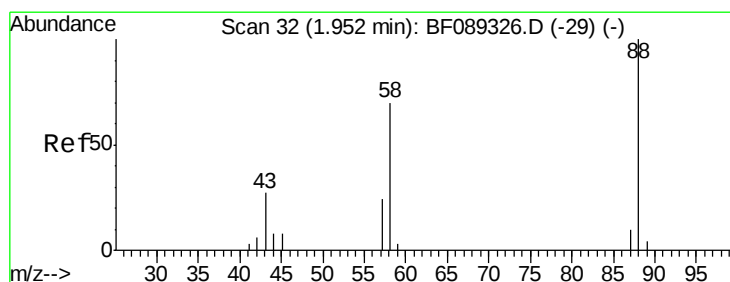
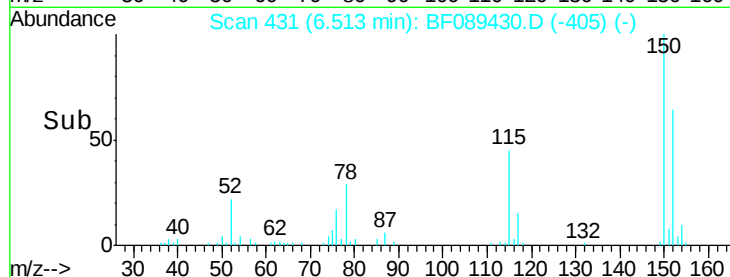
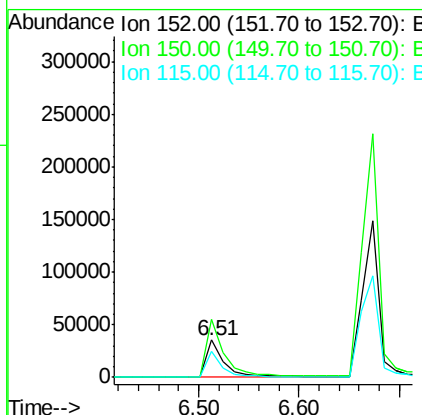
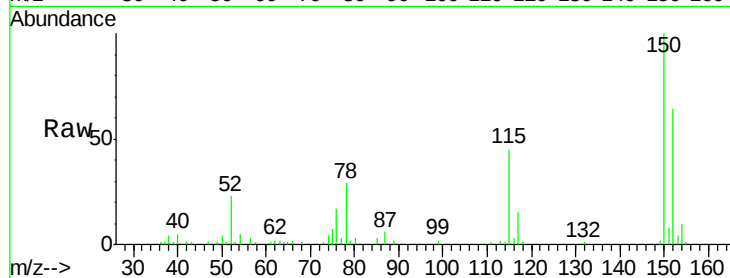




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.51 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: BF089430.D
 Acq: 30 Jul 2016 1:41

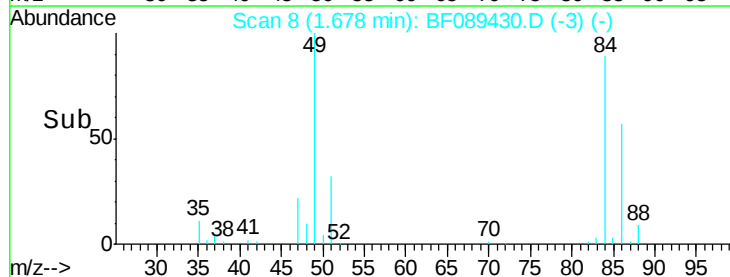
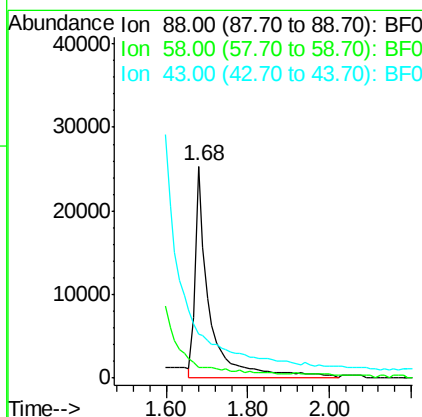
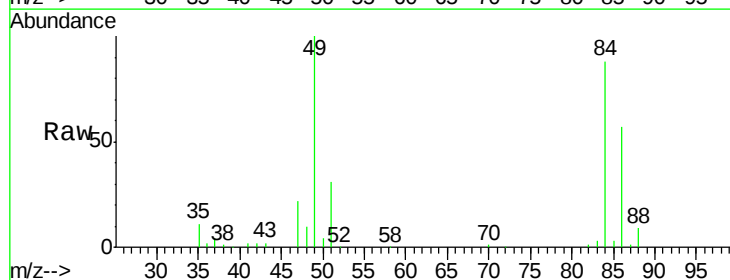
Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0

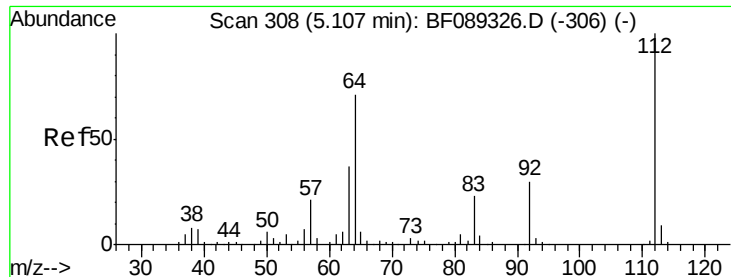
Tgt Ion: 152 Resp: 46562
 Ion Ratio Lower Upper
 152 100
 150 155.4 129.5 194.3
 115 69.5 51.4 77.2



#2
 1,4-Dioxane
 Concen: 48.44 ng
 RT: 1.68 min Scan# 8
 Delta R.T. -0.24 min
 Lab File: BF089430.D
 Acq: 30 Jul 2016 1:41

Tgt Ion: 88 Resp: 63016
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 83.53 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.00 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0

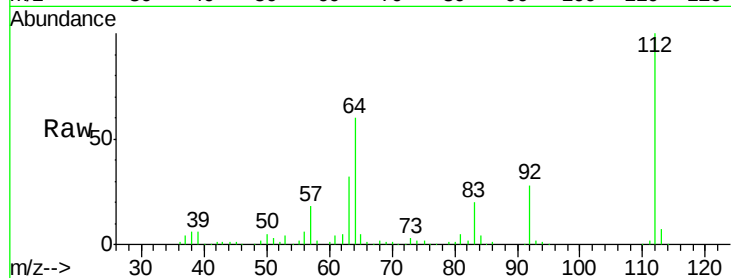
Tgt Ion: 112 Resp: 243589

Ion Ratio Lower Upper

112 100

64 60.2 55.0 82.6

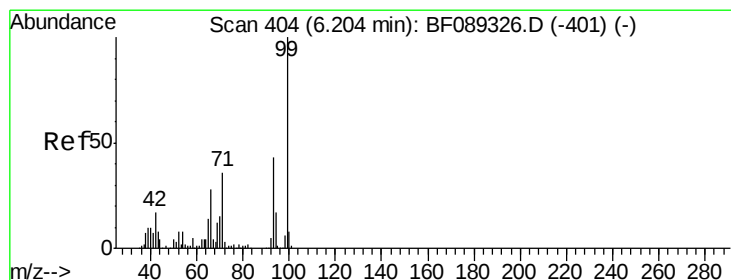
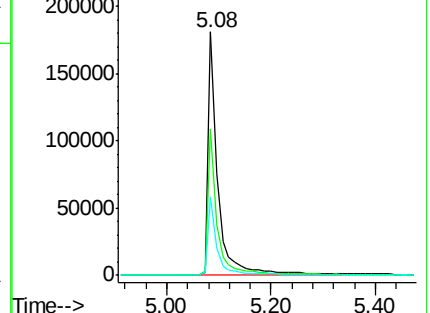
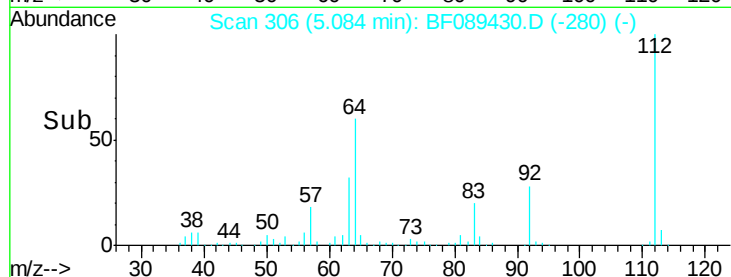
63 32.1 29.4 44.2



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: 63.46 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

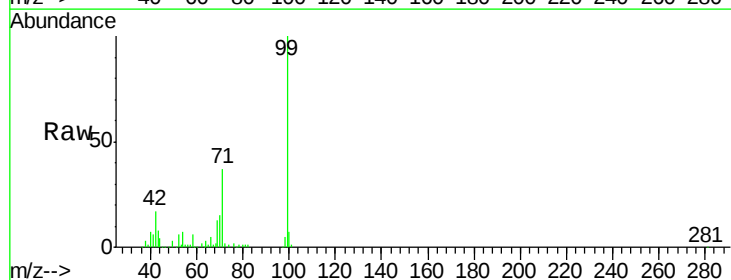
Tgt Ion: 99 Resp: 244577

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

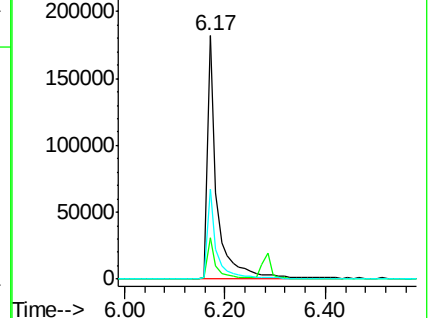
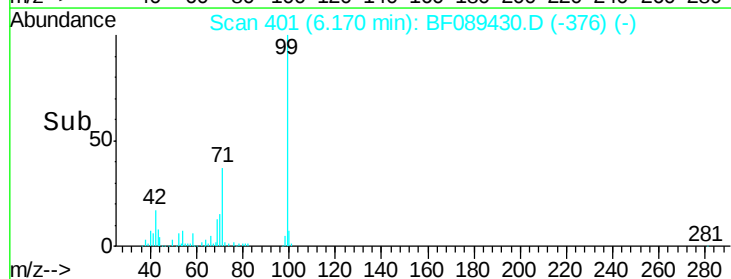
71 37.0 29.4 44.2

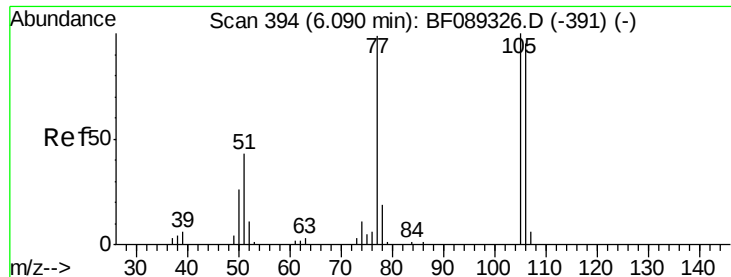


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.63 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.23 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0

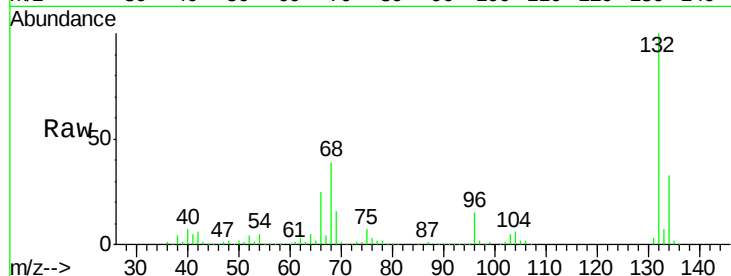
Tgt Ion: 77 Resp: 8707

Ion Ratio Lower Upper

77 100

105 81.3 82.9 122.9#

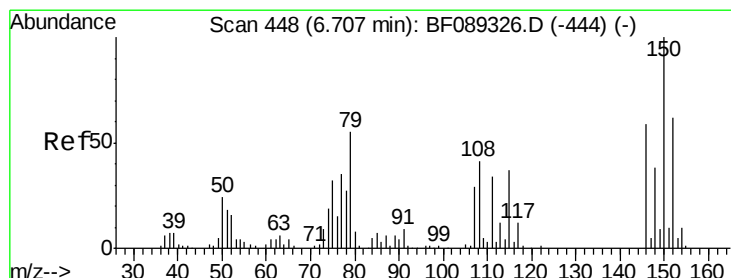
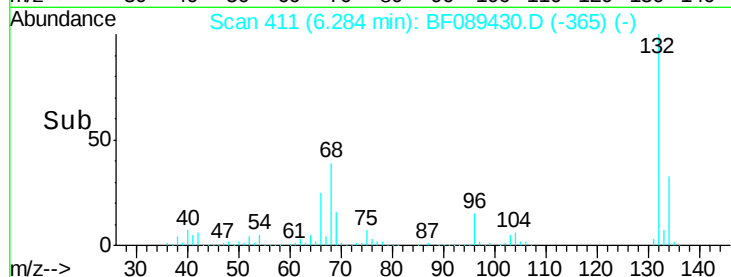
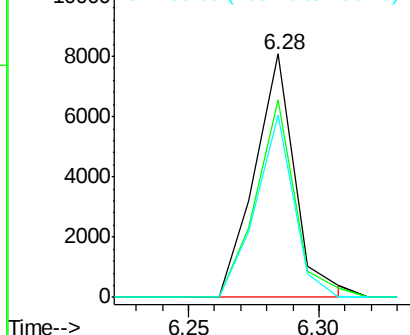
106 74.8 75.9 115.9#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

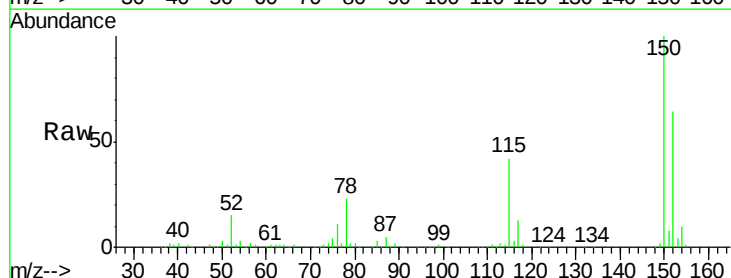
Tgt Ion: 79 Resp: 4898

Ion Ratio Lower Upper

79 100

108 32.5 59.8 89.6#

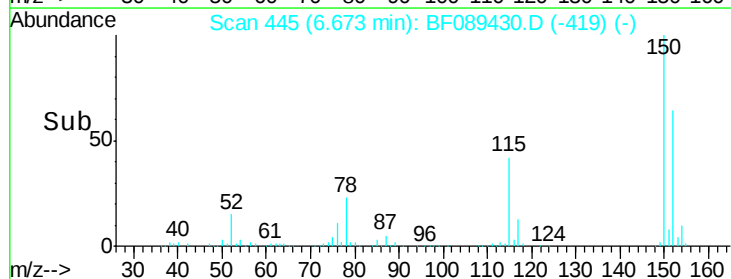
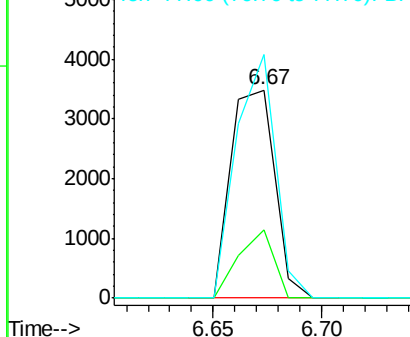
77 116.8 51.7 77.5#

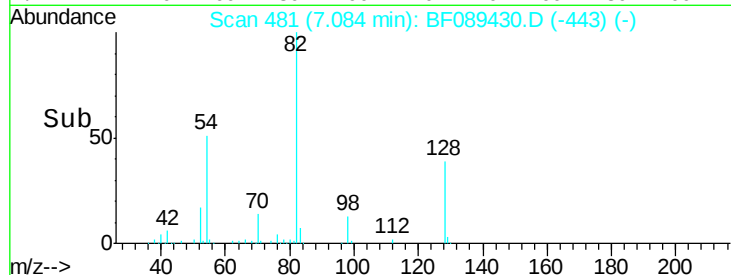
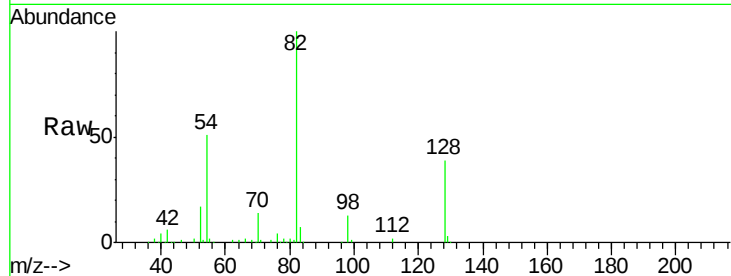
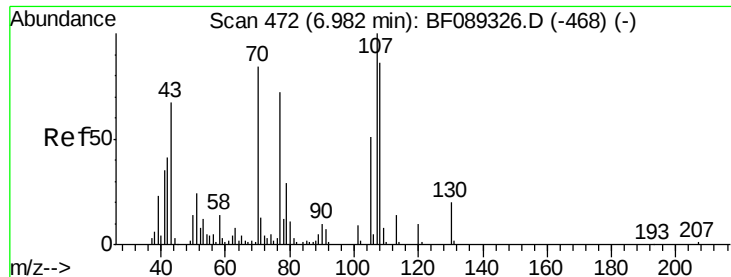


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

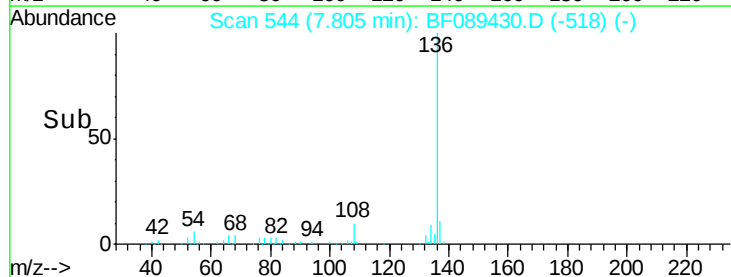
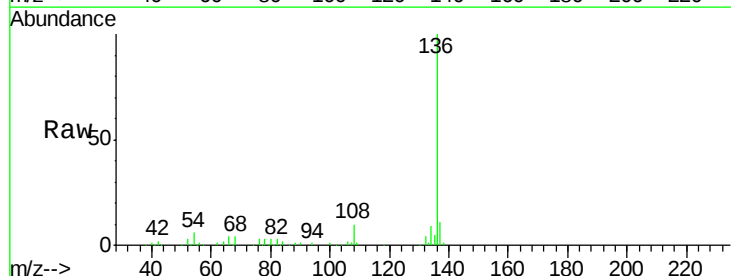
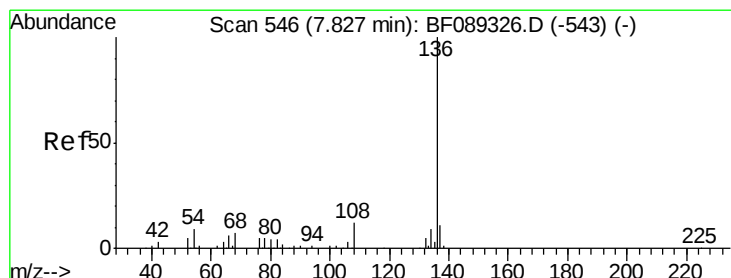
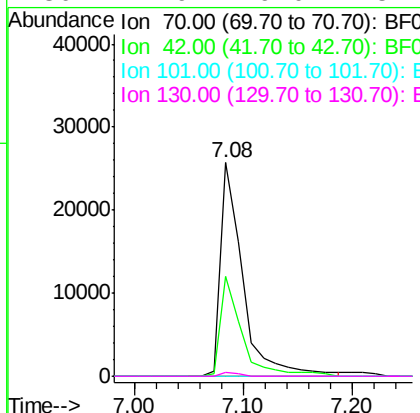




#19
n-Nitroso-di-n-propylamine
Concen: 15.86 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.14 min
Lab File: BF089430.D
Acq: 30 Jul 2016 1:41

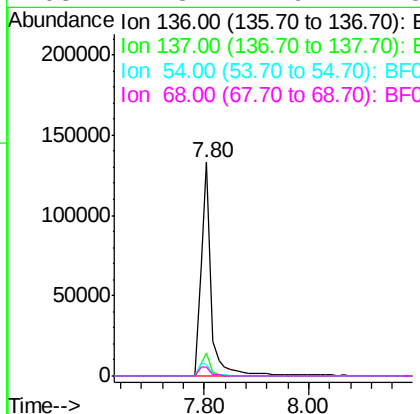
Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0

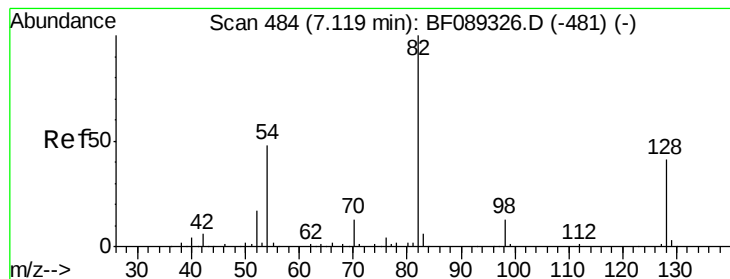
Tgt Ion: 70 Resp: 36862
Ion Ratio Lower Upper
70 100
42 46.7 38.6 57.8
101 0.0 8.3 12.5#
130 1.9 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.00 min
Lab File: BF089430.D
Acq: 30 Jul 2016 1:41

Tgt Ion: 136 Resp: 179876
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 5.6 7.0 10.4#
68 4.3 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 95.42 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0

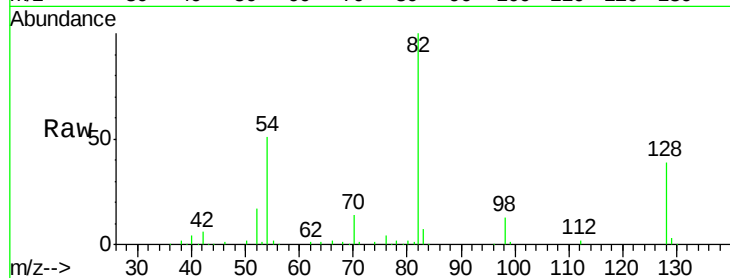
Tgt Ion: 82 Resp: 290792

Ion Ratio Lower Upper

82 100

128 38.5 32.5 48.7

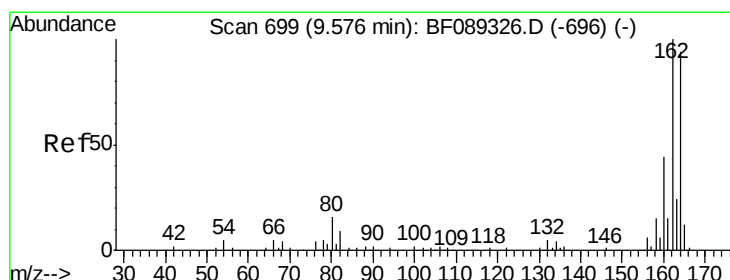
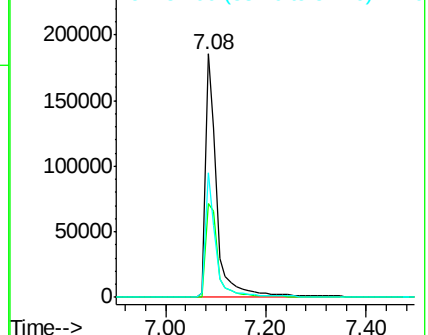
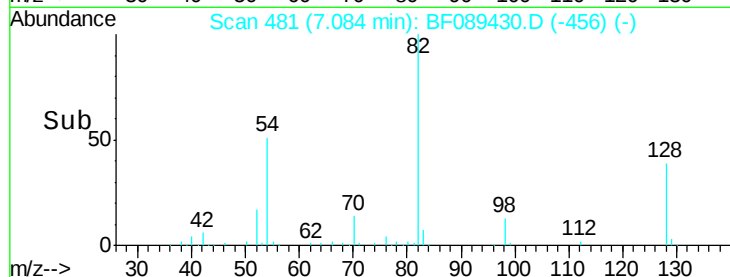
54 51.2 38.8 58.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

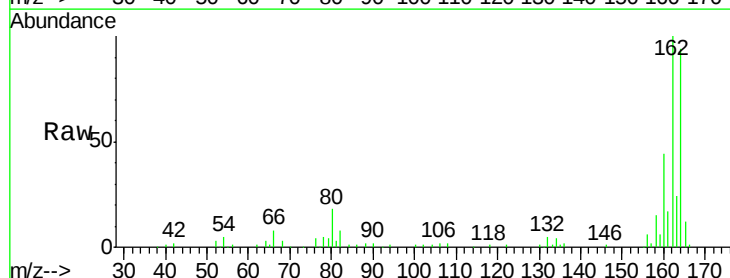
Tgt Ion: 164 Resp: 84391

Ion Ratio Lower Upper

164 100

162 106.7 83.7 125.5

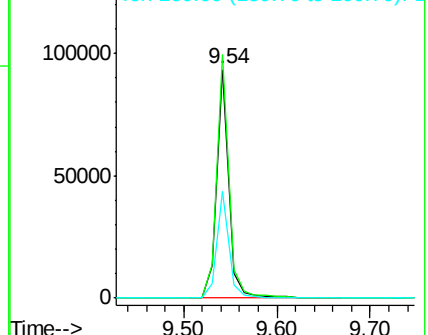
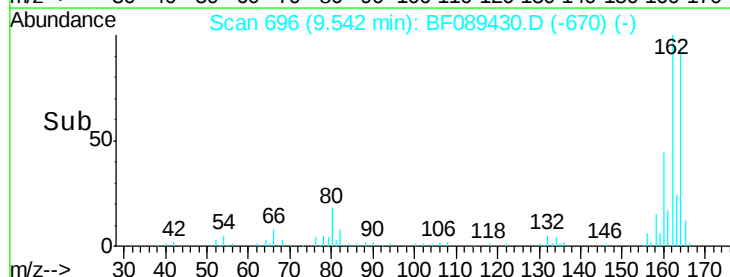
160 46.6 37.8 56.6

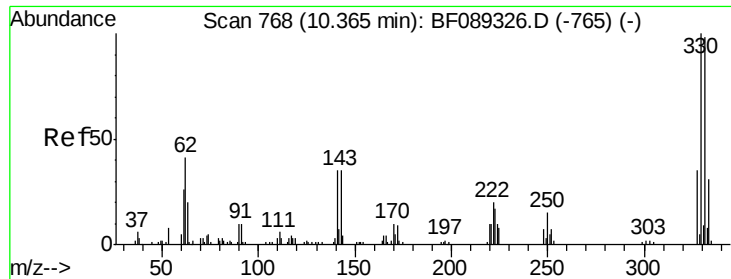


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

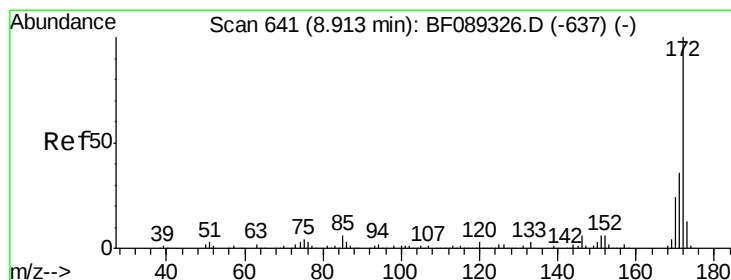
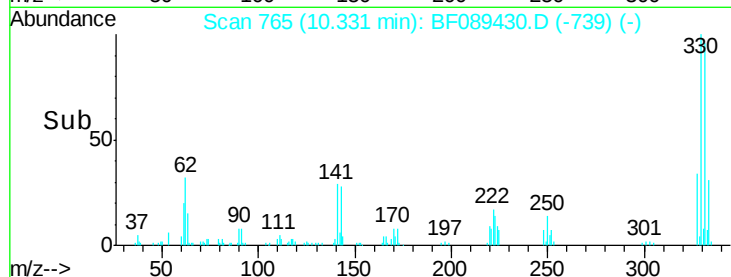
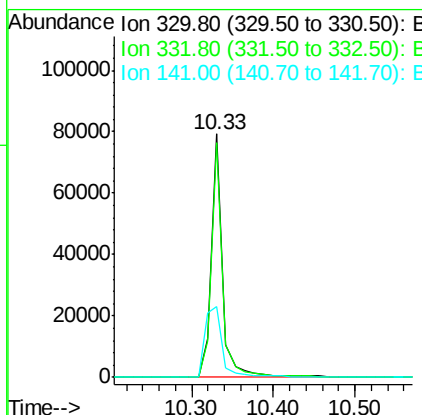
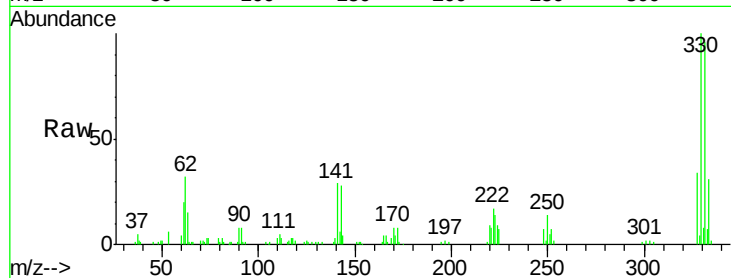




#41
 2,4,6-Tribromophenol
 Concen: 111.60 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF089430.D
 Acq: 30 Jul 2016 1:41

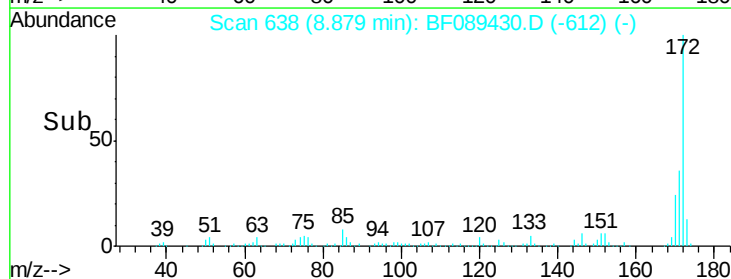
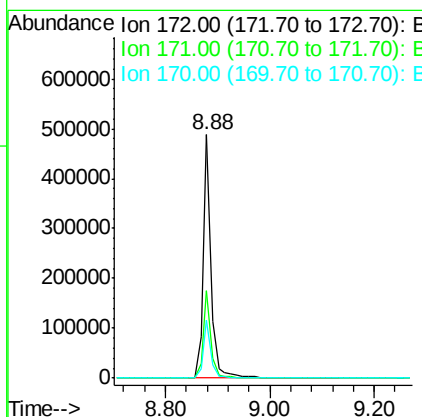
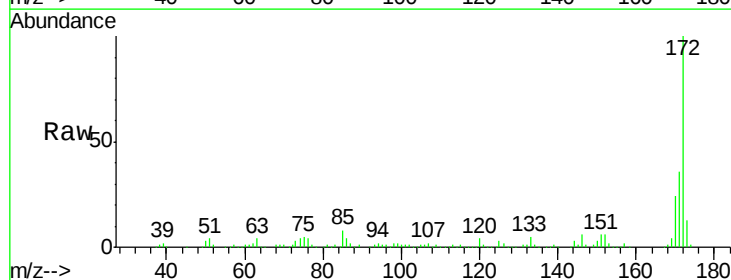
Instrument :
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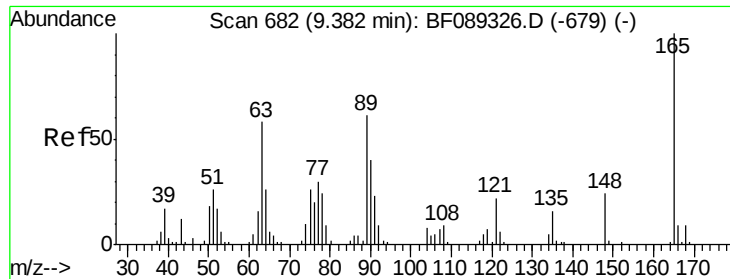
Tgt Ion:330 Resp: 77999
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 45.2 37.3 55.9



#44
 2-Fluorobiphenyl
 Concen: 89.90 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF089430.D
 Acq: 30 Jul 2016 1:41

Tgt Ion:172 Resp: 516951
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.8 19.2 28.8

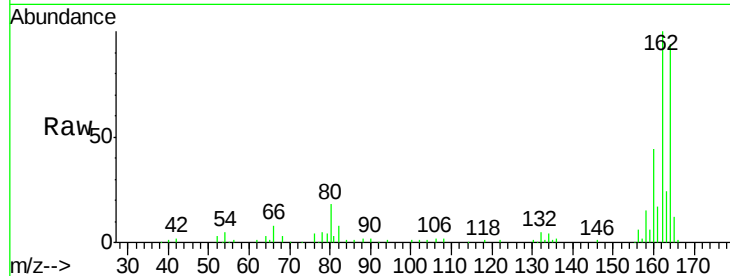




#50
 2,6-Dinitrotoluene
 Concen: 7.58 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.18 min
 Lab File: BF089430.D
 Acq: 30 Jul 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 GW-44-8.6-15.0

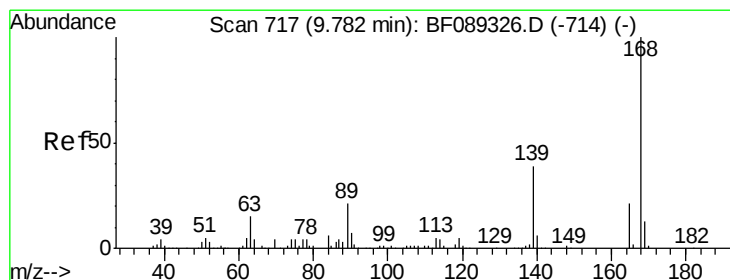
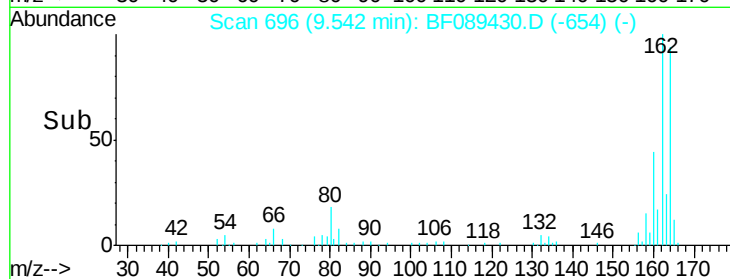
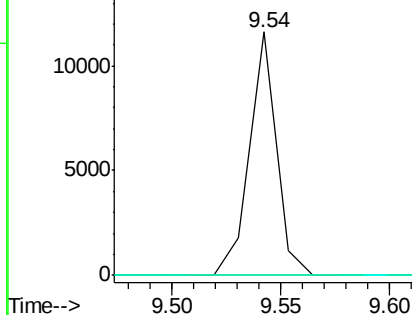
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#



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: 5.76 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.22 min
 Lab File: BF089430.D
 Acq: 30 Jul 2016 1:41

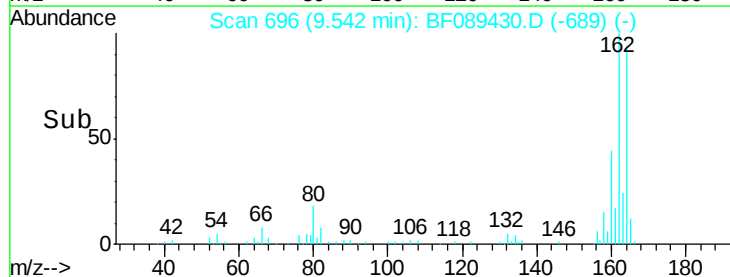
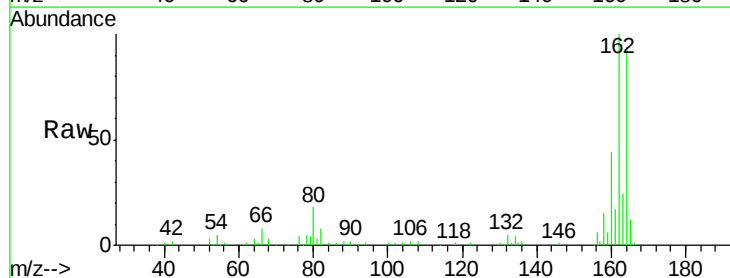
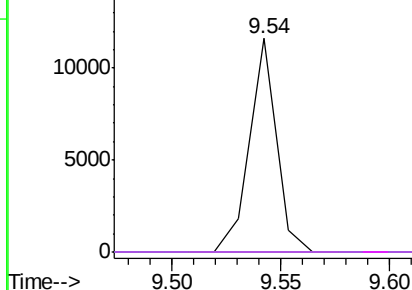
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#

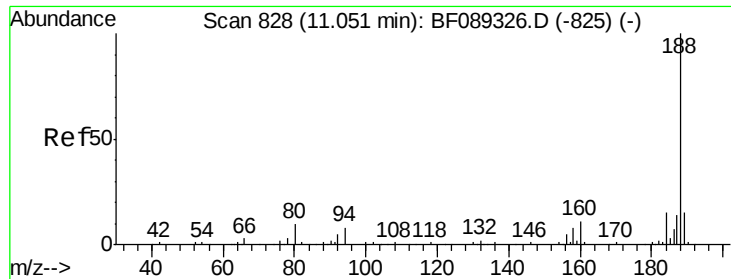
Abundance Ion 165.00 (164.70 to 165.70): E

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

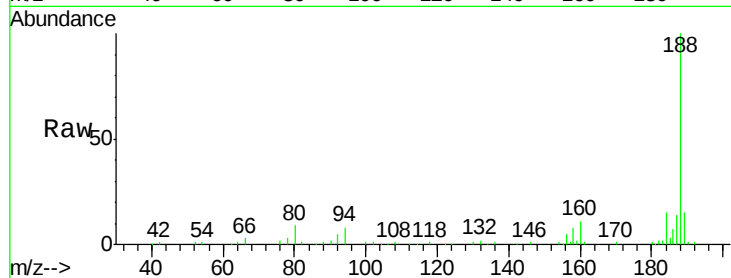




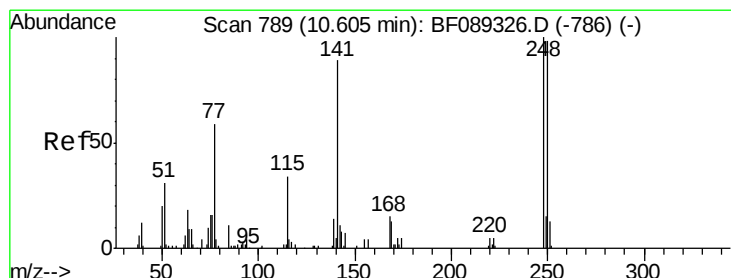
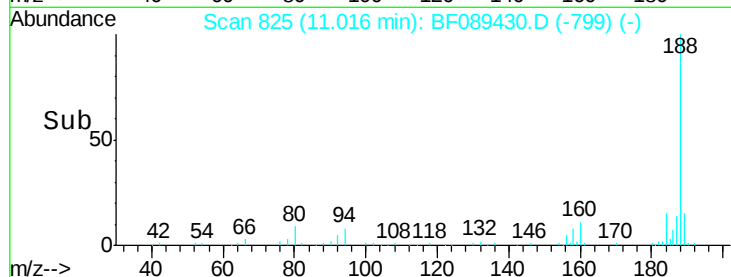
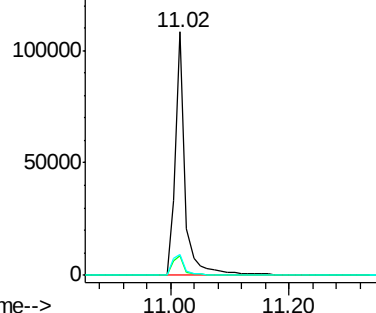
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF089430.D
Acq: 30 Jul 2016 1:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0

Tgt Ion:188 Resp: 129451
Ion Ratio Lower Upper
188 100
94 8.0 6.5 9.7
80 8.8 7.2 10.8

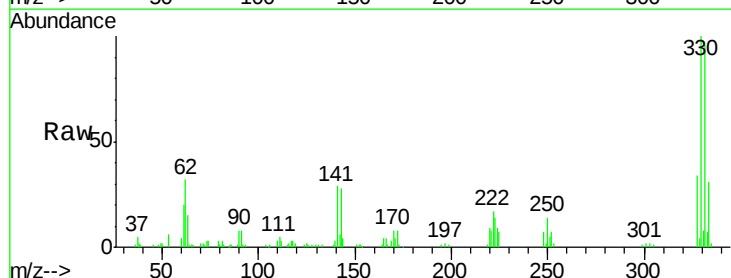


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

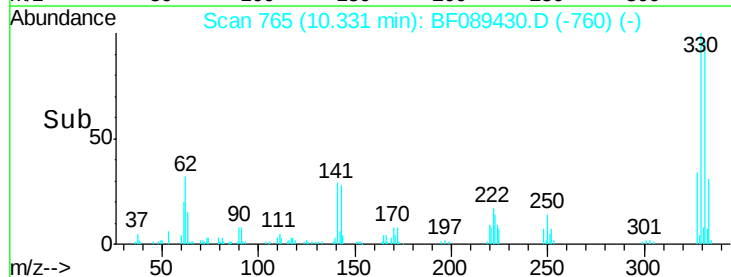
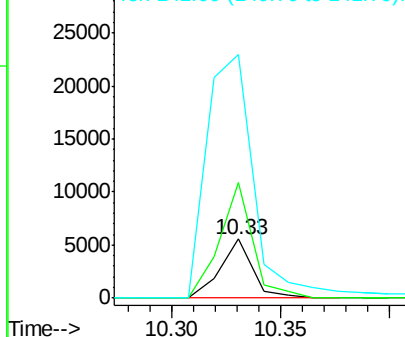


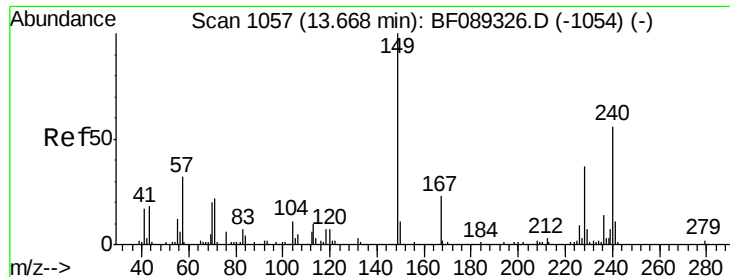
#66
4-Bromophenyl-phenylether
Concen: 4.62 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.24 min
Lab File: BF089430.D
Acq: 30 Jul 2016 1:41

Tgt Ion:248 Resp: 5710
Ion Ratio Lower Upper
248 100
250 196.7 78.2 117.2#
141 414.3 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: BF089430.D

Acq: 30 Jul 2016 1:41

Instrument :

BNA_F

ClientSampleId :

GW-44-8.6-15.0

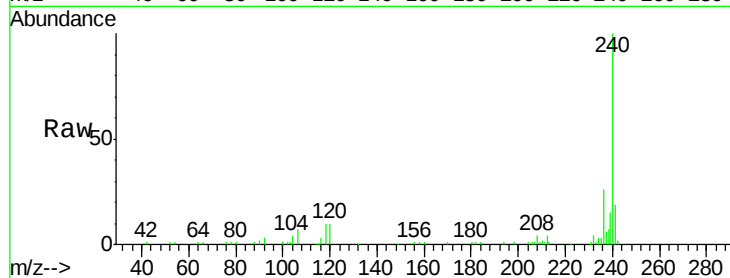
Tgt Ion:240 Resp: 90505

Ion Ratio Lower Upper

240 100

120 10.0 9.1 13.7

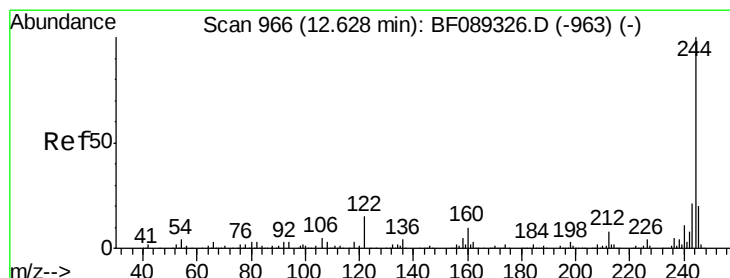
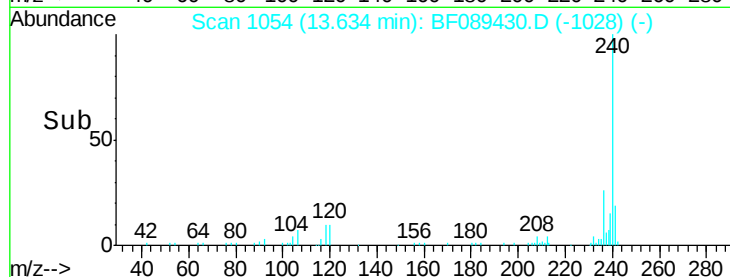
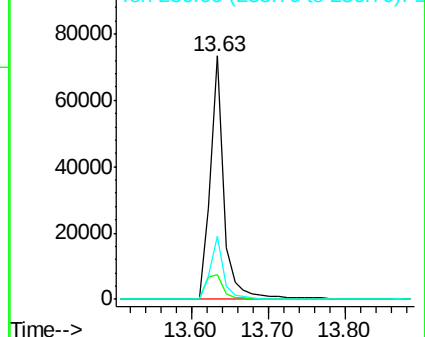
236 25.7 20.6 30.8



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: 83.88 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF089430.D

Acq: 30 Jul 2016 1:41

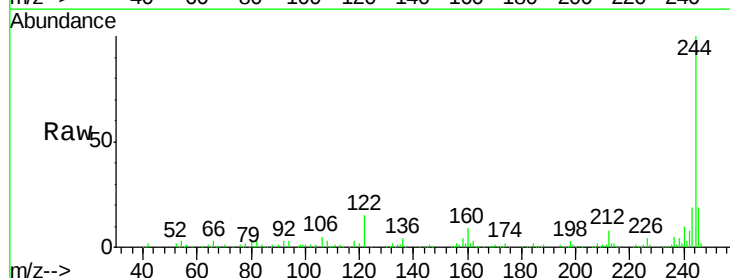
Tgt Ion:244 Resp: 324381

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

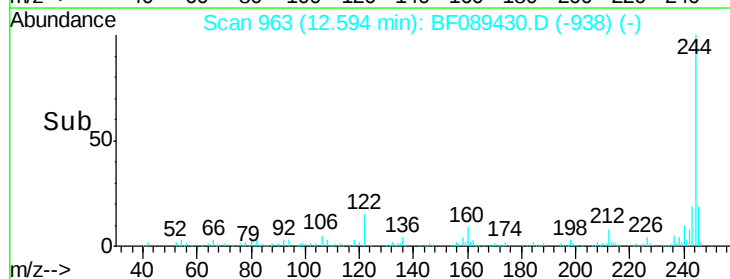
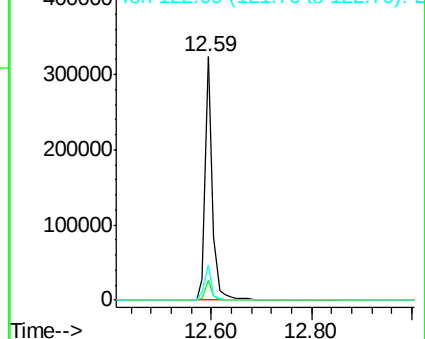
122 14.6 11.4 17.0

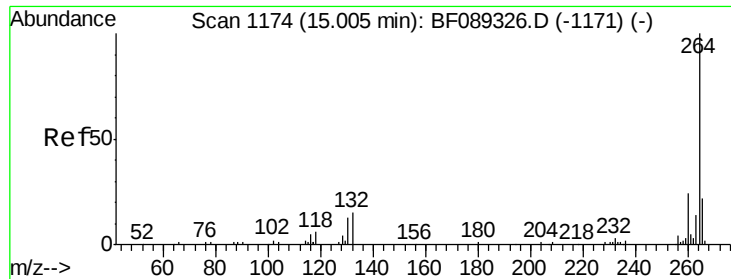


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

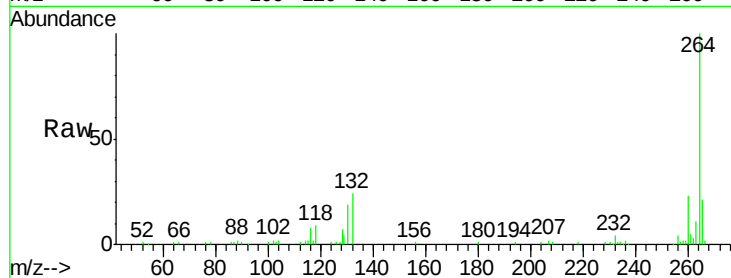




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF089430.D
Acq: 30 Jul 2016 1:41

Instrument :
BNA_F
ClientSampleId :
GW-44-8.6-15.0

Tgt Ion: 264 Resp: 94075
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 21.2 17.5 26.3



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

