

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089433.D
 Acq On : 30 Jul 2016 3:11
 Operator : UM/SJ
 Sample : H4221-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-48-7.7-15.0

Quant Time: Jul 30 04:47:54 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

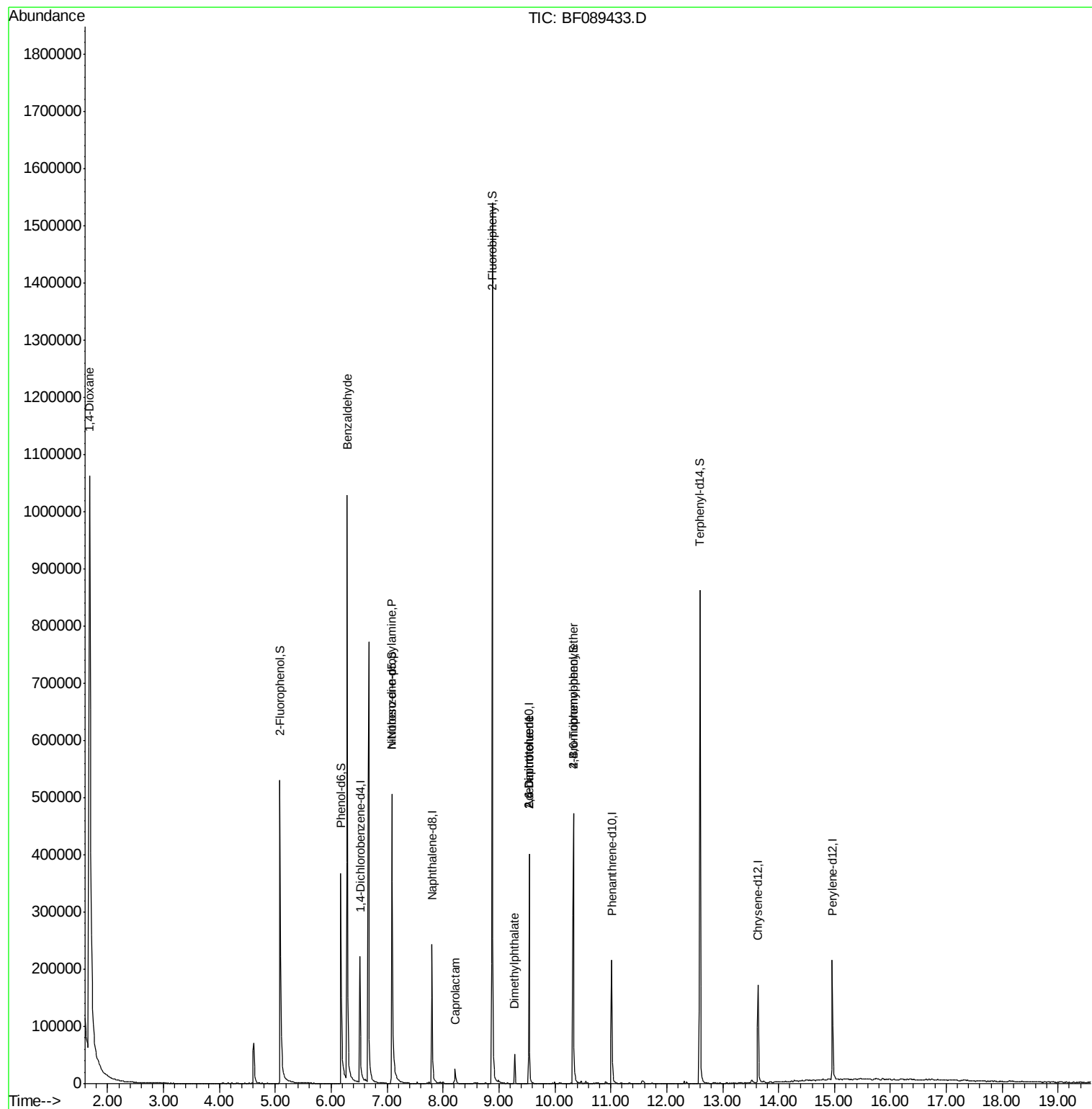
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	45844	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	175212	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	78324	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	108394	20.00	ng	0.00
75) Chrysene-d12	13.63	240	82201	20.00	ng	0.00
86) Perylene-d12	14.96	264	93593	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	211040	73.50	ng	0.00
7) Phenol-d6	6.17	99	198769	52.39	ng	-0.01
23) Nitrobenzene-d5	7.08	82	281479	94.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	67853	104.60	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	491148	92.03	ng	0.00
78) Terphenyl-d14	12.59	244	271080	77.18	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	72071	56.89	ng	# 26
9) Benzaldehyde	6.28	77	8090	4.37	ng	# 79
19) n-Nitroso-di-n-propylamine	7.08	70	36660	16.02	ng	# 82
35) Caprolactam	8.22	113	3954	5.97	ng	88
49) Dimethylphthalate	9.28	163	23229	3.90	ng	97
50) 2,6-Dinitrotoluene	9.54	165	9452	7.72	ng	# 24
56) 2,4-Dinitrotoluene	9.54	165	9452	5.86	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	4979	4.81	ng	# 1

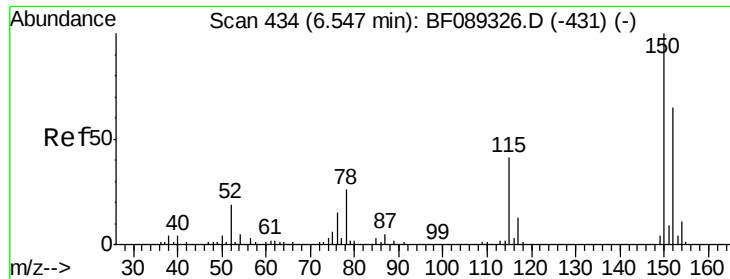
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089433.D
Acq On : 30 Jul 2016 3:11
Operator : UM/SJ
Sample : H4221-18
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-48-7.7-15.0

Quant Time: Jul 30 04:47:54 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

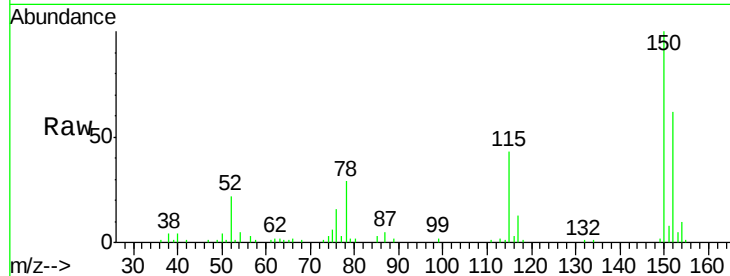




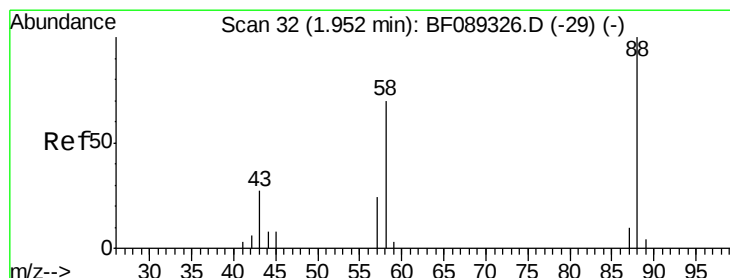
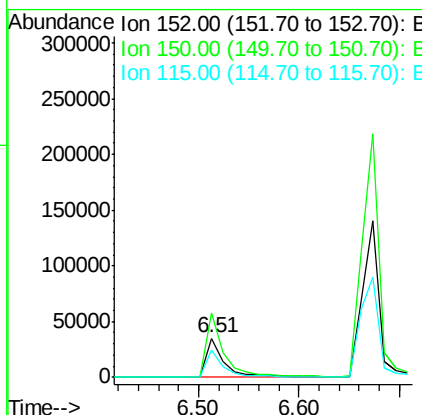
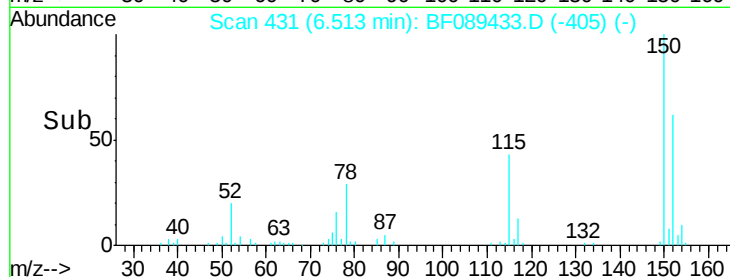
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.51 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Instrument :
 BNA_F
 ClientSampleId :
 GW-48-7.7-15.0

Tgt Ion:152 Resp: 45844
 Ion Ratio Lower Upper
 152 100
 150 162.4 129.5 194.3
 115 69.4 51.4 77.2

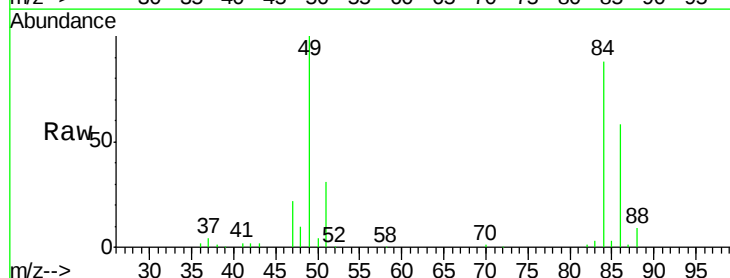


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

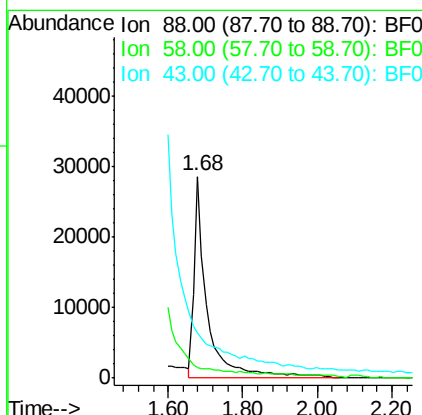
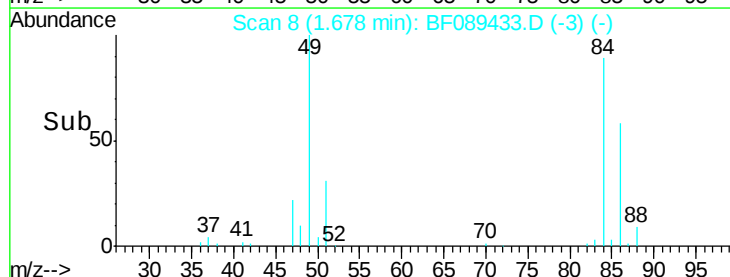


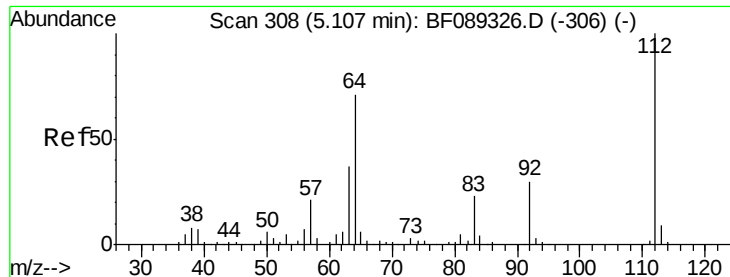
#2
 1,4-Dioxane
 Concen: 56.89 ng
 RT: 1.68 min Scan# 8
 Delta R.T. -0.24 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Tgt Ion: 88 Resp: 72071
 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: 73.50 ng

RT: 5.08 min Scan# 306

Delta R.T. 0.00 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

Instrument :

BNA_F

ClientSampleId :

GW-48-7.7-15.0

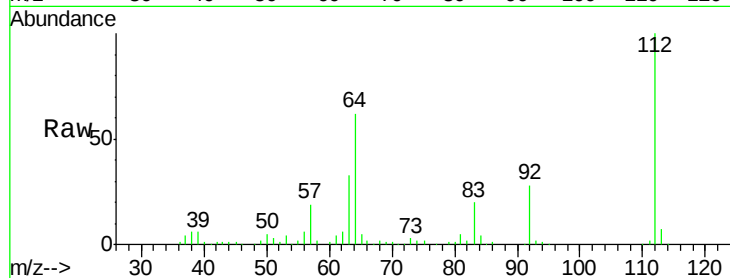
Tgt Ion: 112 Resp: 211040

Ion Ratio Lower Upper

112 100

64 61.8 55.0 82.6

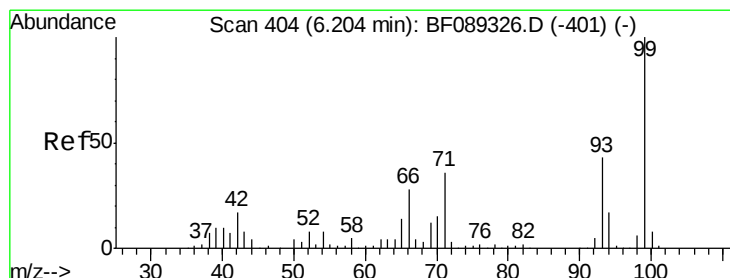
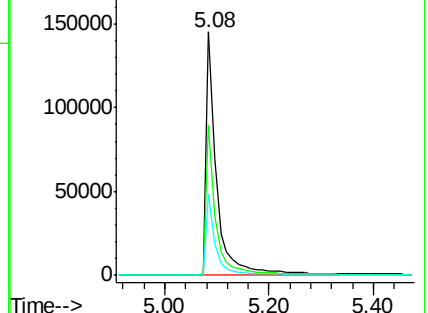
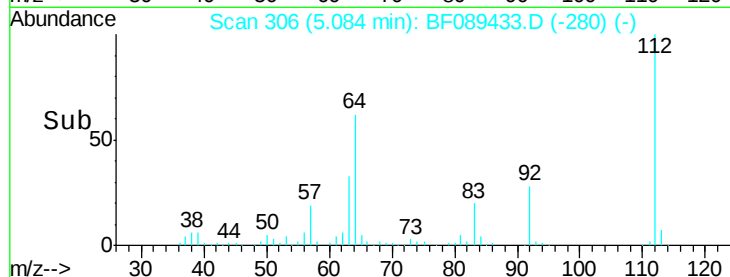
63 33.2 29.4 44.2



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: 52.39 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

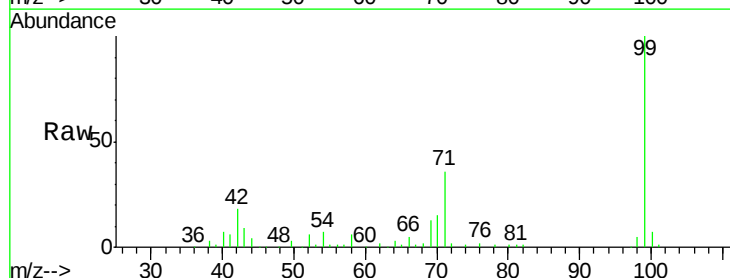
Tgt Ion: 99 Resp: 198769

Ion Ratio Lower Upper

99 100

42 17.9 13.6 20.4

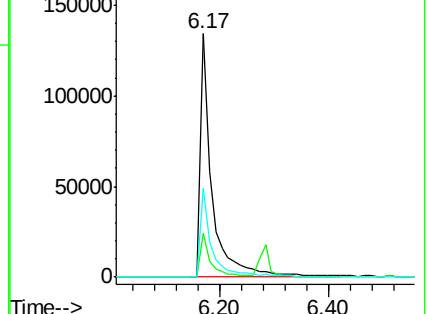
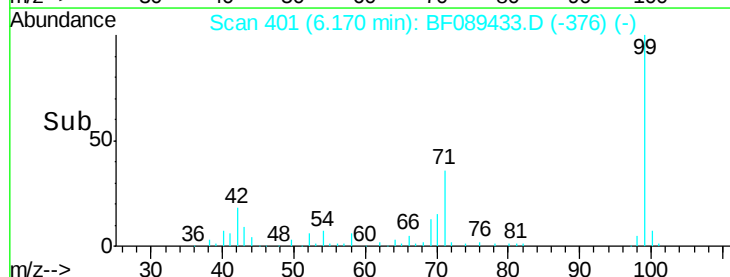
71 36.4 29.4 44.2

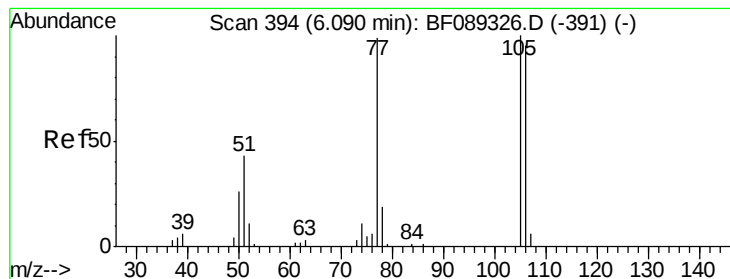


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.37 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.23 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

Instrument :

BNA_F

ClientSampleId :

GW-48-7.7-15.0

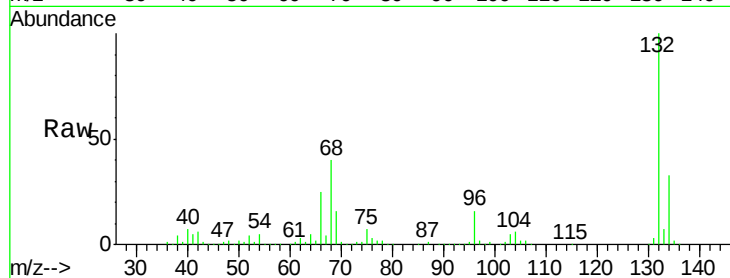
Tgt Ion: 77 Resp: 8090

Ion Ratio Lower Upper

77 100

105 80.2 82.9 122.9#

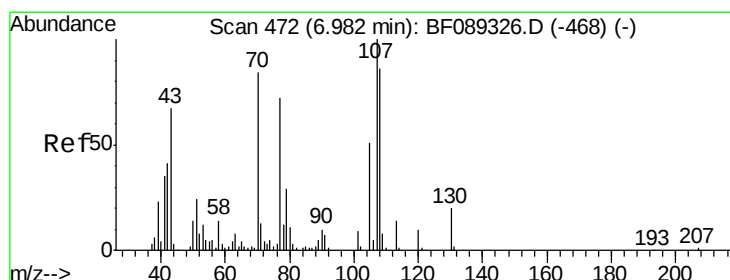
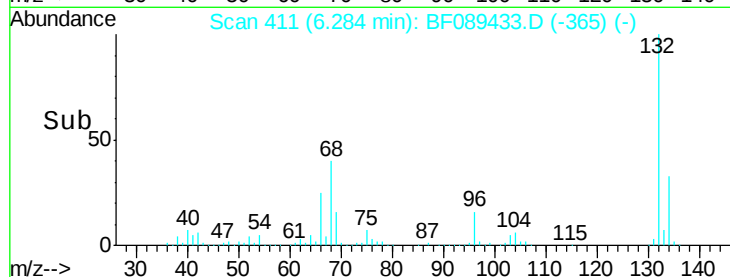
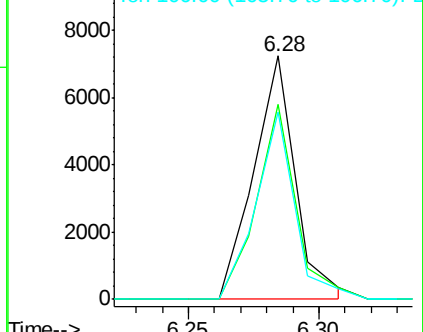
106 76.9 75.9 115.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.02 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

Tgt Ion: 70 Resp: 36660

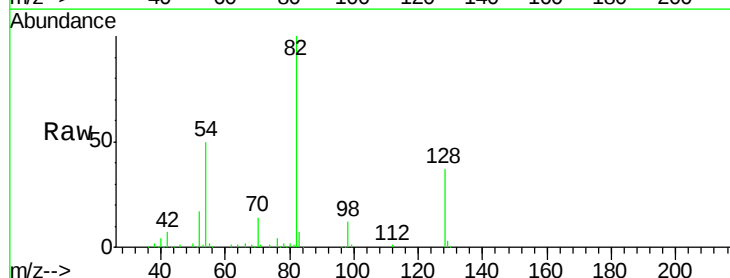
Ion Ratio Lower Upper

70 100

42 46.7 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#

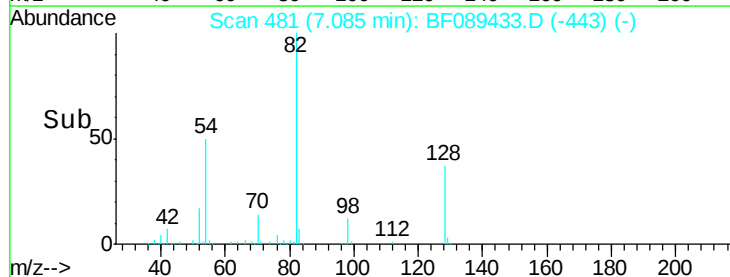
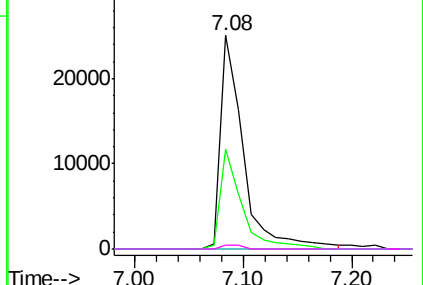


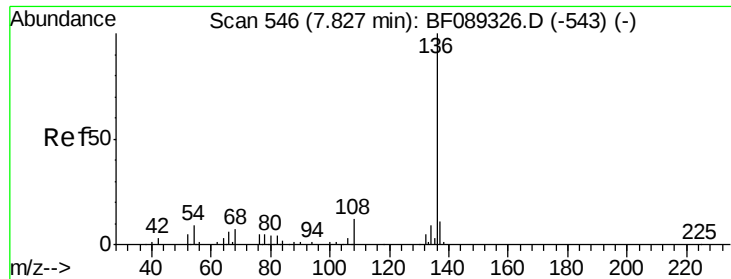
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

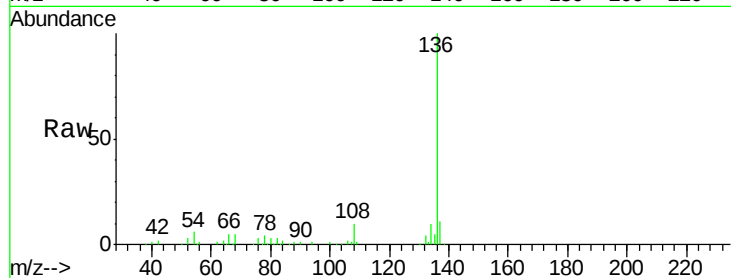




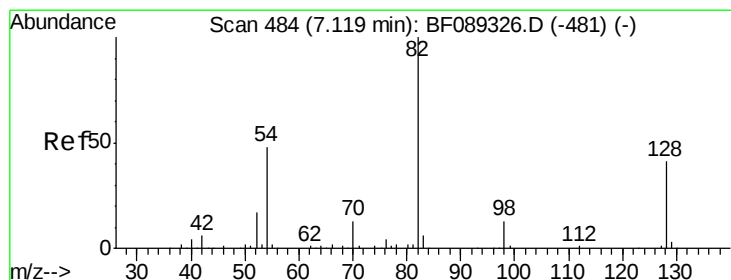
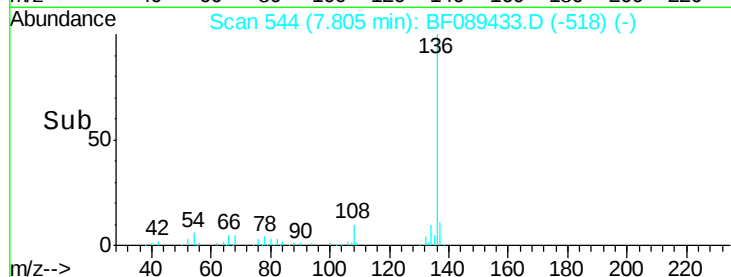
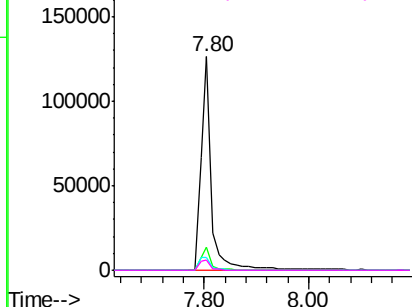
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. 0.00 min
Lab File: BF089433.D
Acq: 30 Jul 2016 3:11

Instrument :
BNA_F
ClientSampleId :
GW-48-7.7-15.0

Tgt Ion:	136	Resp:	175212
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	5.7	7.0	10.4#
68	4.7	4.9	7.3#

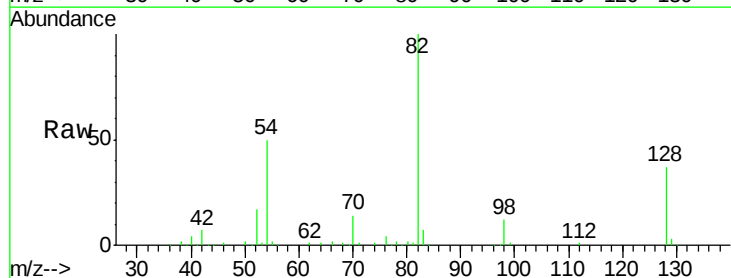


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

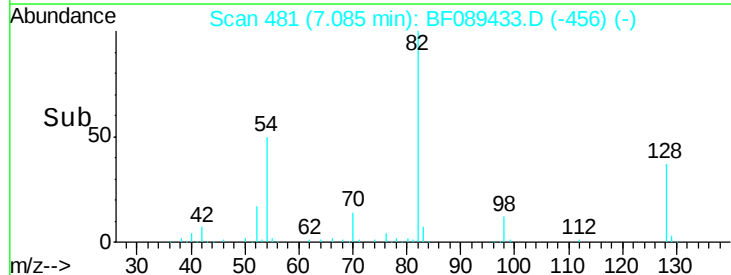
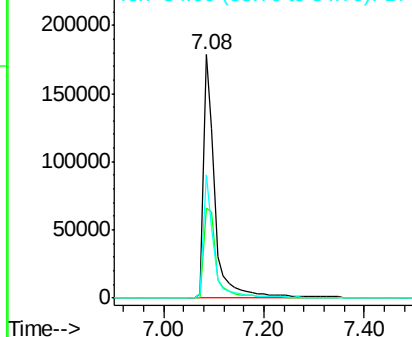


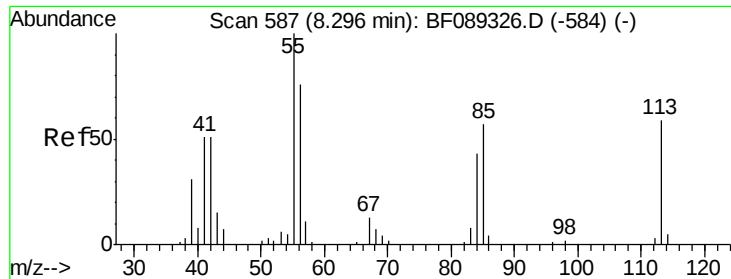
#23
Nitrobenzene-d5
Concen: 94.83 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089433.D
Acq: 30 Jul 2016 3:11

Tgt Ion:	82	Resp:	281479
Ion	Ratio	Lower	Upper
82	100		
128	36.9	32.5	48.7
54	50.4	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

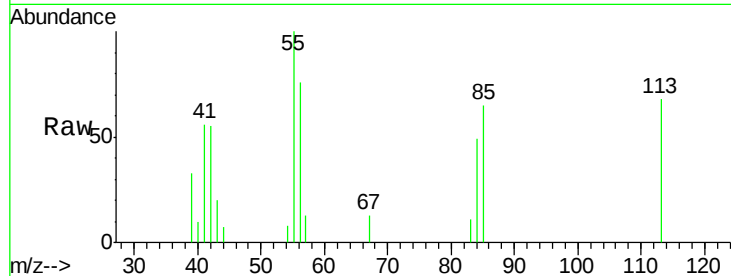




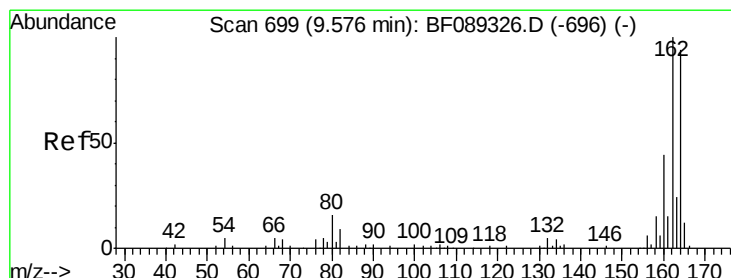
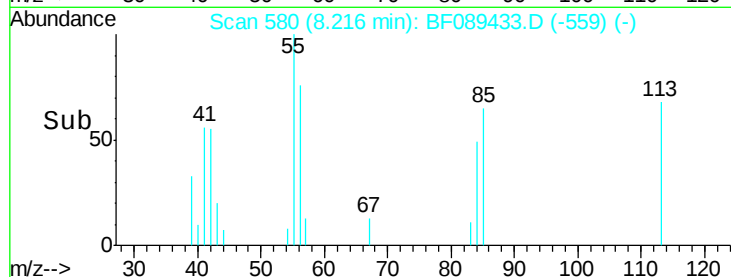
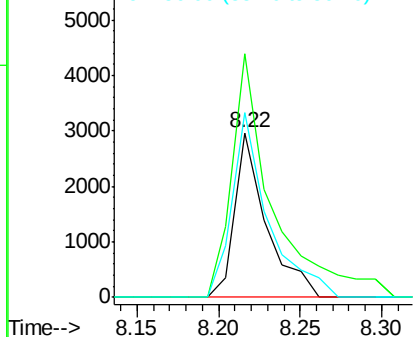
#35
 Caprolactam
 Concen: 5.97 ng
 RT: 8.22 min Scan# 580
 Delta R.T. -0.06 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Instrument :
 BNA_F
 ClientSampleId :
 GW-48-7.7-15.0

Tgt Ion:113 Resp: 3954
 Ion Ratio Lower Upper
 113 100
 55 147.8 142.3 182.3
 56 111.8 105.8 145.8

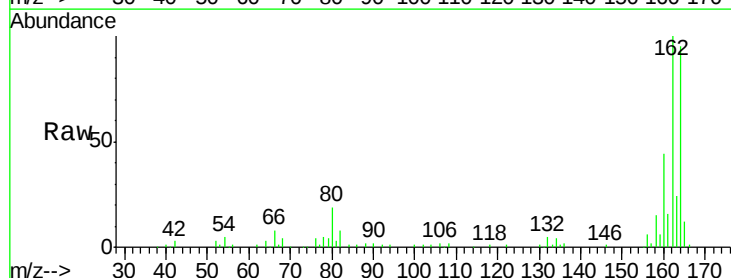


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

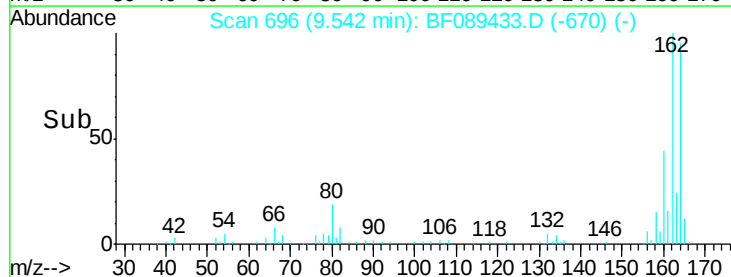
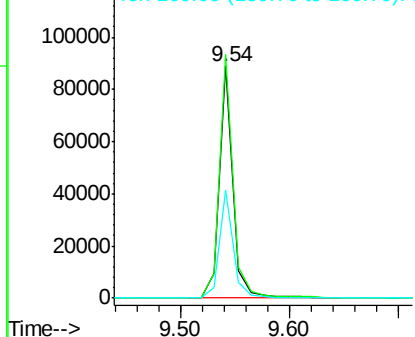


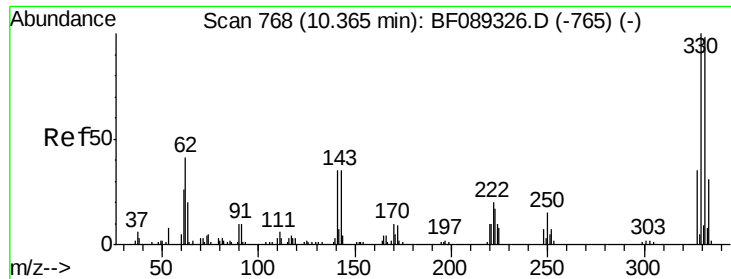
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Tgt Ion:164 Resp: 78324
 Ion Ratio Lower Upper
 164 100
 162 104.9 83.7 125.5
 160 46.3 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

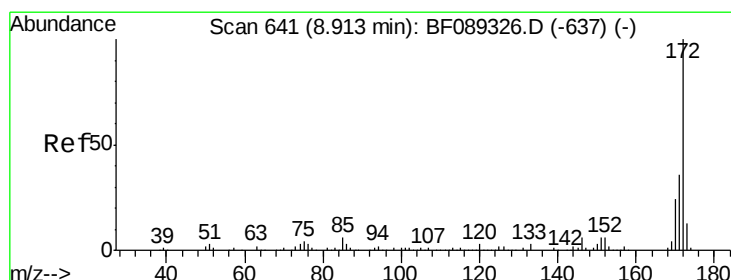
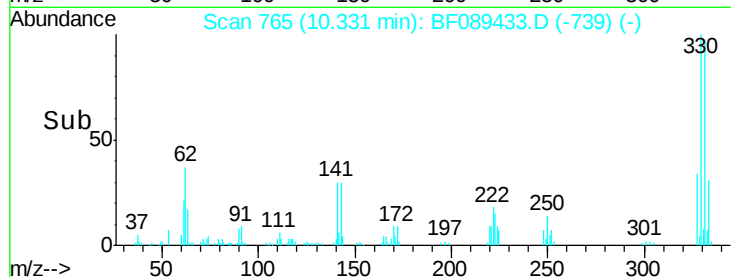
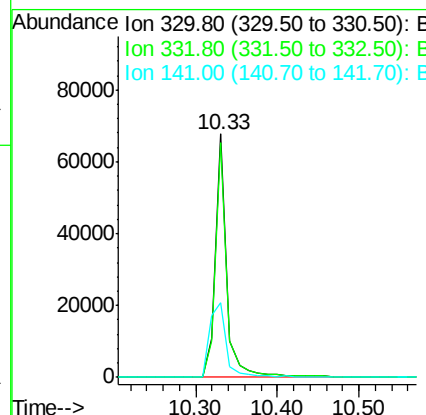
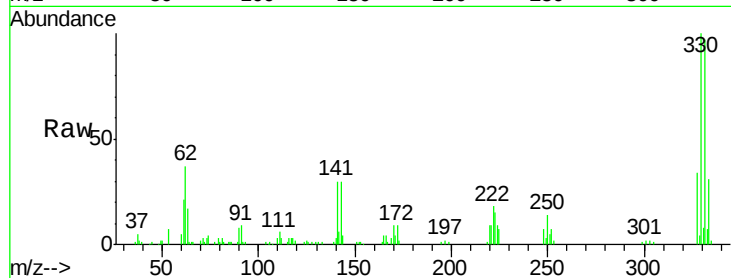




#41
 2,4,6-Tribromophenol
 Concen: 104.60 ng
 RT: 10.33 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

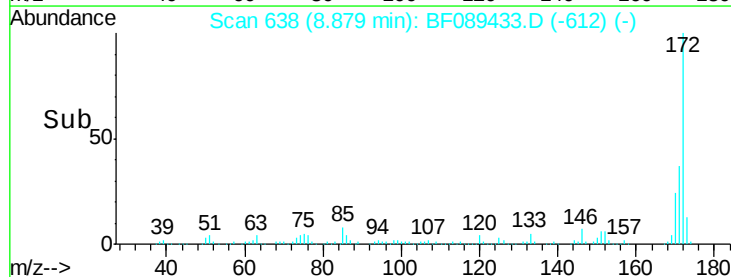
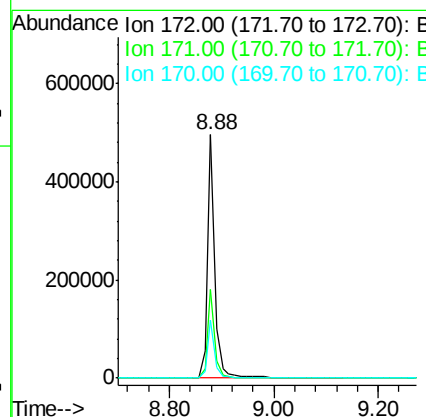
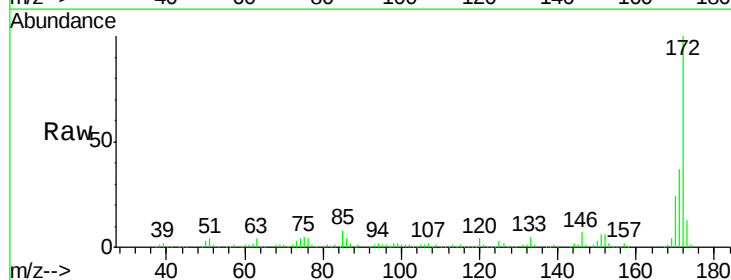
Instrument :
 BNA_F
 ClientSampleId :
 GW-48-7.7-15.0

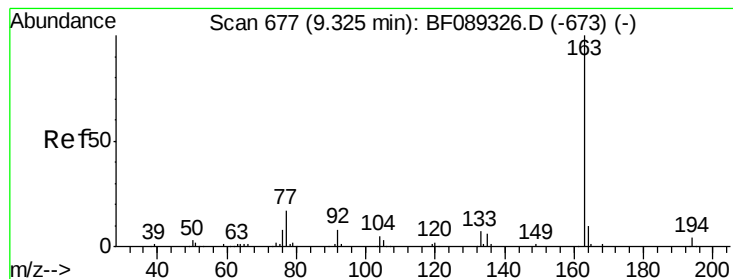
Tgt Ion:330 Resp: 67853
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.8 115.2
 141 44.7 37.3 55.9



#44
 2-Fluorobiphenyl
 Concen: 92.03 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Tgt Ion:172 Resp: 491148
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.2 43.8
 170 23.7 19.2 28.8





#49

Dimethylphthalate

Concen: 3.90 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

Instrument :

BNA_F

ClientSampleId :

GW-48-7.7-15.0

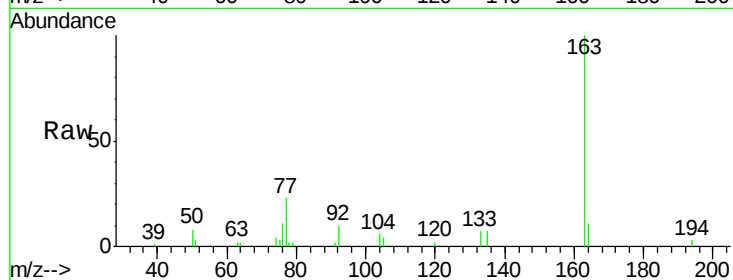
Tgt Ion:163 Resp: 23229

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

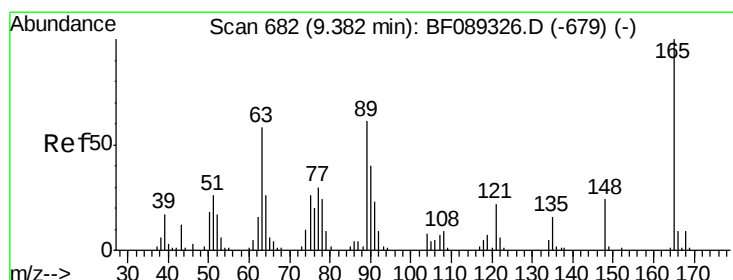
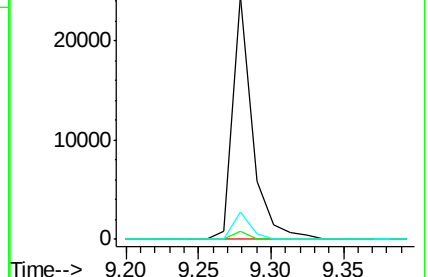
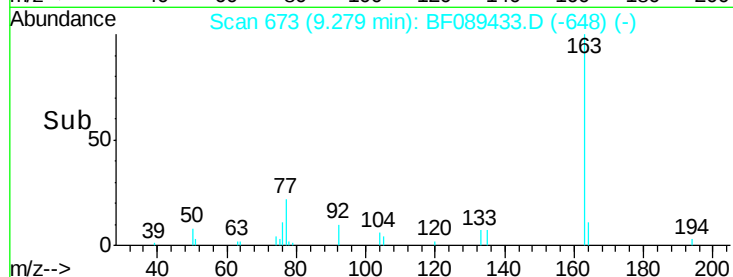
164 11.2 7.8 11.8



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: 7.72 ng

RT: 9.54 min Scan# 696

Delta R.T. 0.18 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

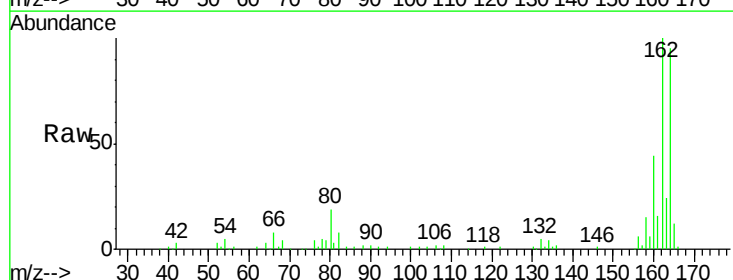
Tgt Ion:165 Resp: 9452

Ion Ratio Lower Upper

165 100

63 0.0 43.5 65.3#

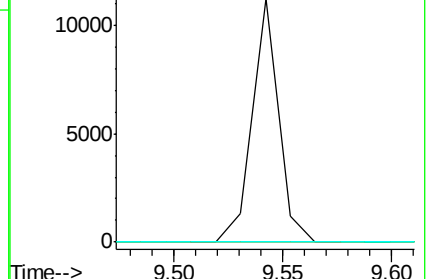
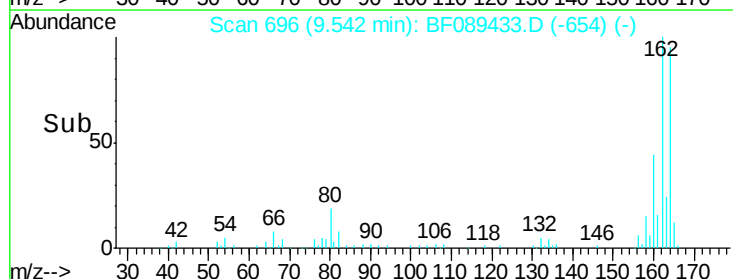
89 0.0 45.0 67.4#

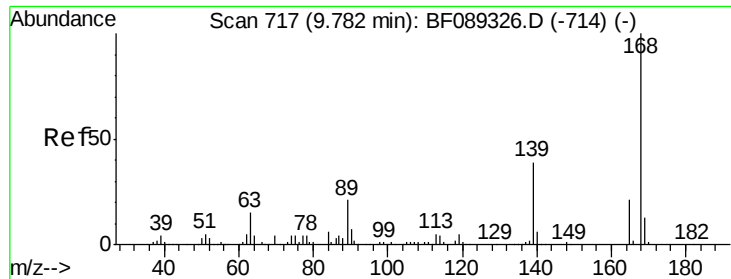


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

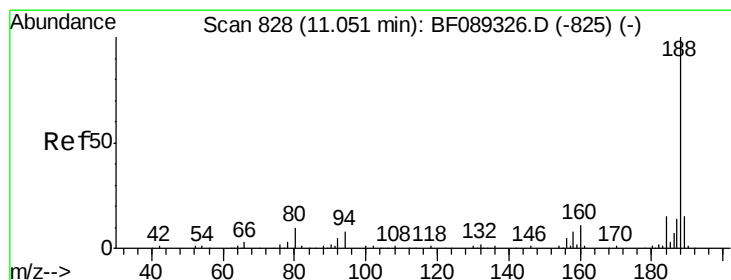
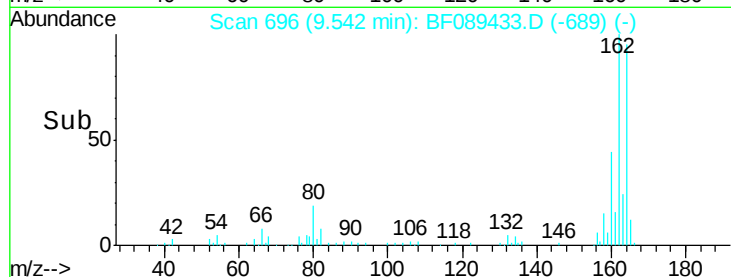
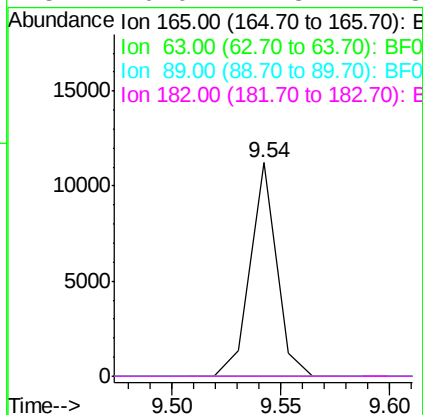
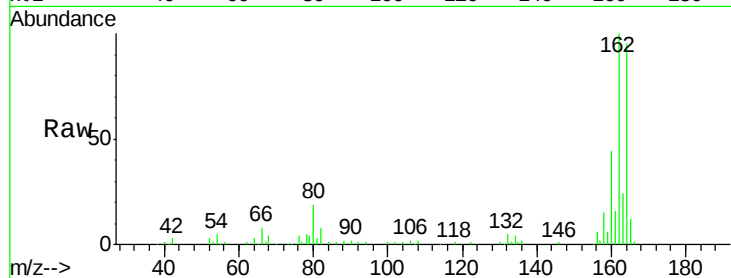




#56
 2,4-Dinitrotoluene
 Concen: 5.86 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.22 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

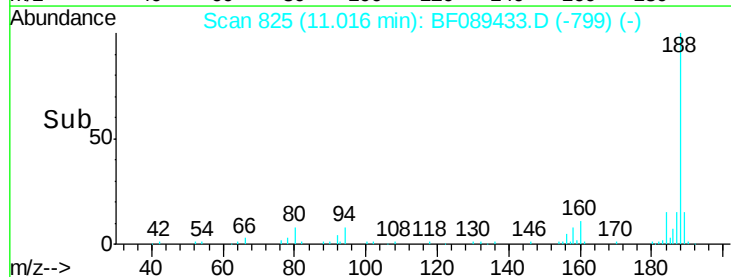
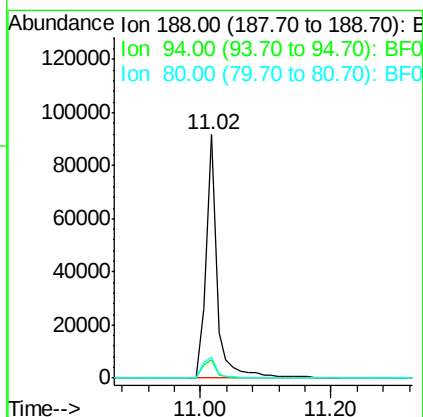
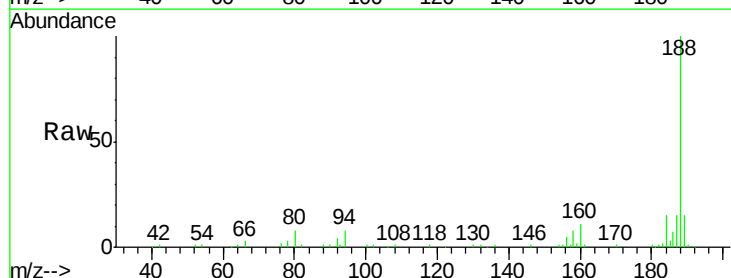
Instrument :
 BNA_F
 ClientSampleId :
 GW-48-7.7-15.0

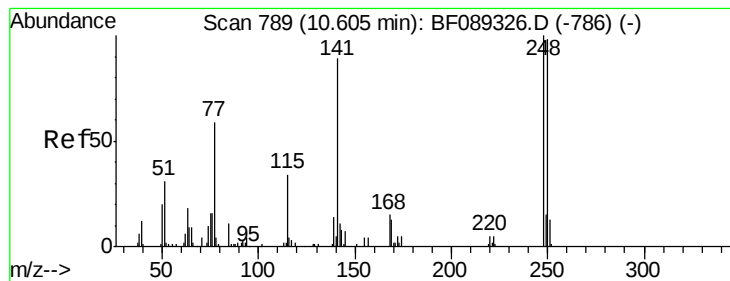
Tgt Ion:165 Resp: 9452
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.2 87.2#
 89 0.0 79.1 118.7#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Tgt Ion:188 Resp: 108394
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.5 9.7
 80 8.4 7.2 10.8





#66

4-Bromophenyl-phenylether

Concen: 4.81 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.24 min

Lab File: BF089433.D

Acq: 30 Jul 2016 3:11

Instrument :

BNA_F

ClientSampleId :

GW-48-7.7-15.0

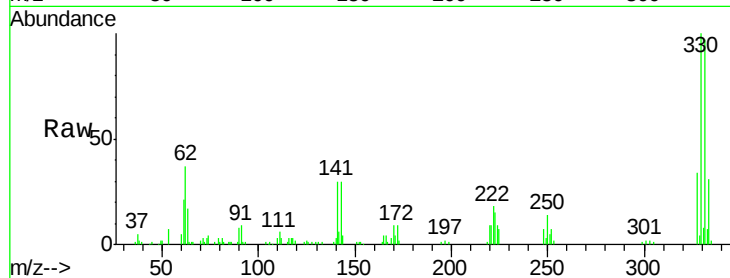
Tgt Ion:248 Resp: 4979

Ion Ratio Lower Upper

248 100

250 195.2 78.2 117.2#

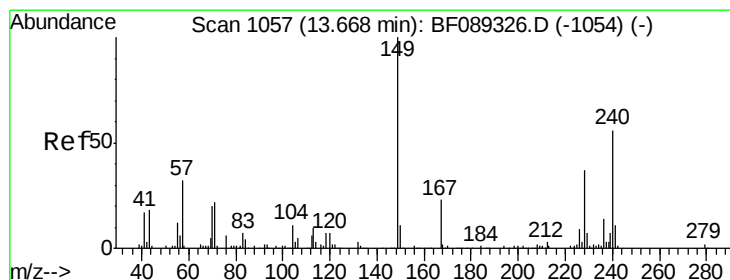
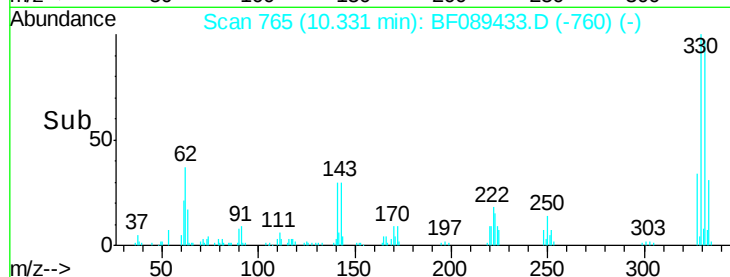
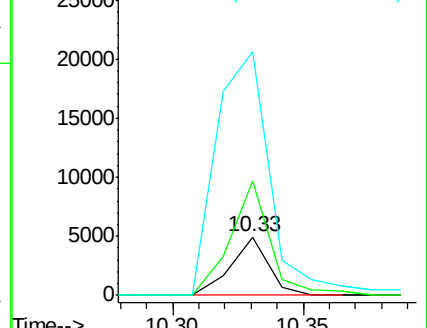
141 417.6 62.0 93.0#



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: BF089433.D

Acq: 30 Jul 2016 3:11

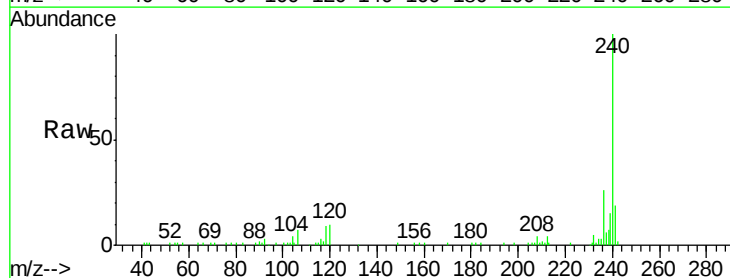
Tgt Ion:240 Resp: 82201

Ion Ratio Lower Upper

240 100

120 10.2 9.1 13.7

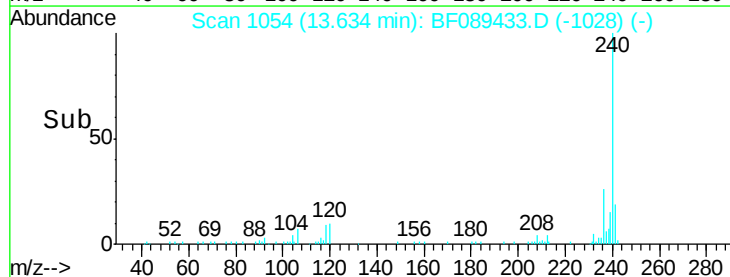
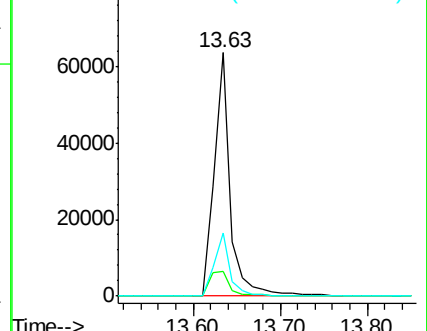
236 25.9 20.6 30.8

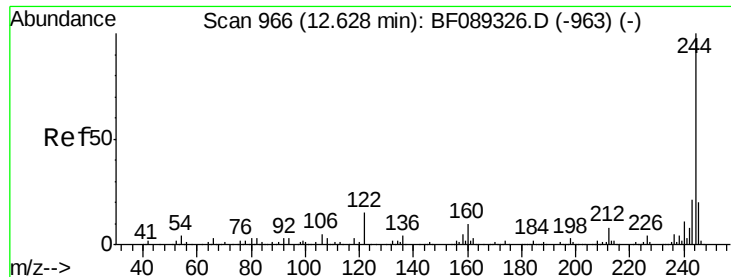


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

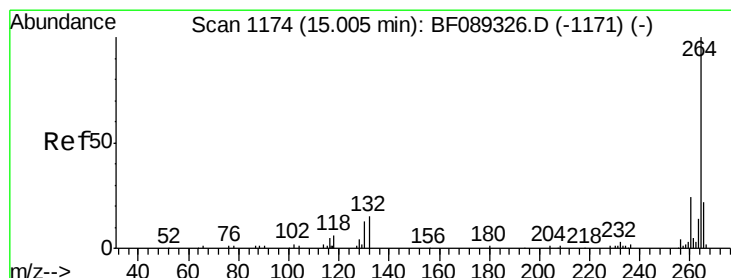
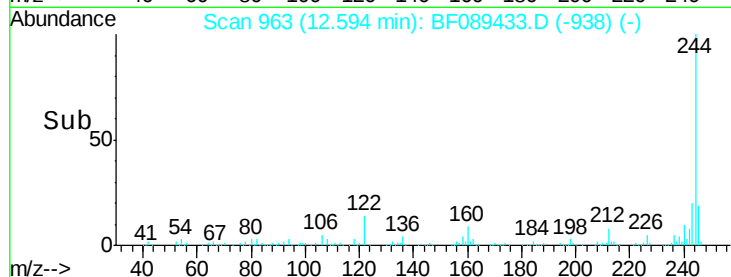
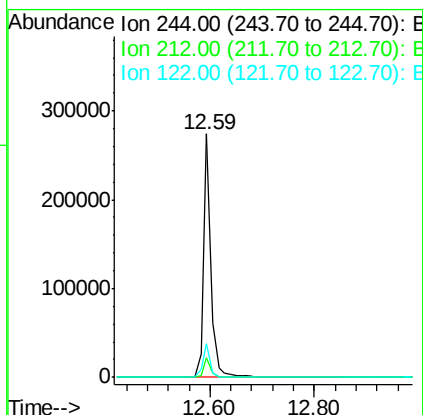
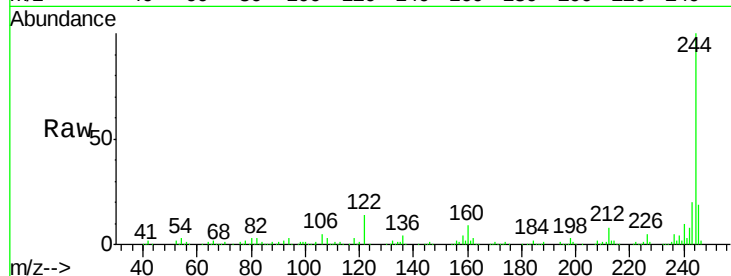




#78
 Terphenyl-d14
 Concen: 77.18 ng
 RT: 12.59 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF089433.D
 Acq: 30 Jul 2016 3:11

Instrument :
 BNA_F
 ClientSampleId :
 GW-48-7.7-15.0

Tgt Ion:244 Resp: 271080
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 13.9 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: BF089433.D
 Acq: 30 Jul 2016 3:11

Tgt Ion:264 Resp: 93593
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.4
 265 21.8 17.5 26.3

