

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089431.D
 Acq On : 30 Jul 2016 2:11
 Operator : UM/SJ
 Sample : H4221-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-45-7.8-13.0

Quant Time: Jul 30 03:08:31 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

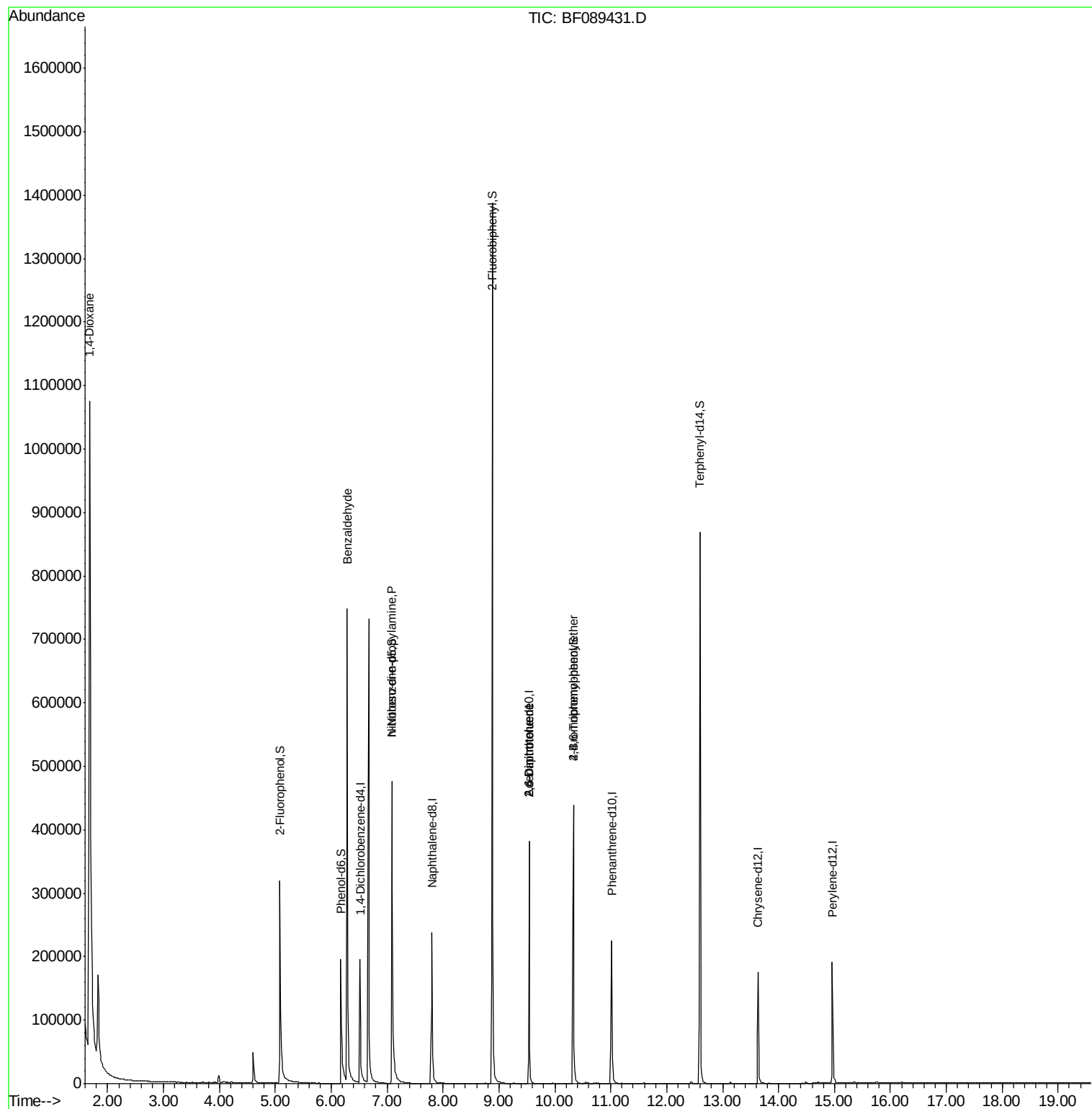
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	42645	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	165641	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	75615	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	107347	20.00	ng	0.00
75) Chrysene-d12	13.63	240	82700	20.00	ng	0.00
86) Perylene-d12	14.96	264	92443	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	141683	53.05	ng	0.00
7) Phenol-d6	6.17	99	129461	36.68	ng	-0.01
23) Nitrobenzene-d5	7.08	82	263380	93.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	62642	100.03	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	449443	87.23	ng	0.00
78) Terphenyl-d14	12.59	244	275951	78.10	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.68	88	58100	48.79	ng	# 26
9) Benzaldehyde	6.28	77	6307	3.66	ng	# 87
19) n-Nitroso-di-n-propylamine	7.08	70	33502	15.74	ng	# 83
50) 2,6-Dinitrotoluene	9.54	165	9050	7.65	ng	# 24
56) 2,4-Dinitrotoluene	9.54	165	9050	5.81	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	4613	4.50	ng	# 1

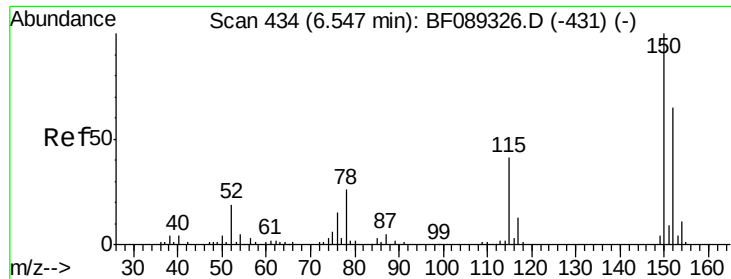
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089431.D

Acq: 30 Jul 2016 2:11

Instrument :

BNA_F

ClientSampleId :

GW-45-7.8-13.0

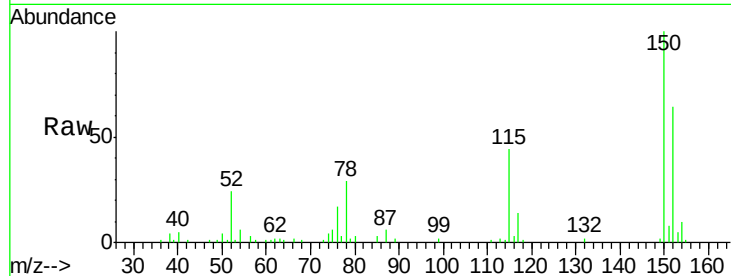
Tgt Ion:152 Resp: 42645

Ion Ratio Lower Upper

152 100

150 157.5 129.5 194.3

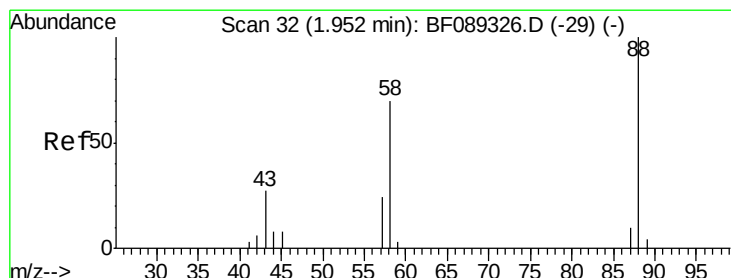
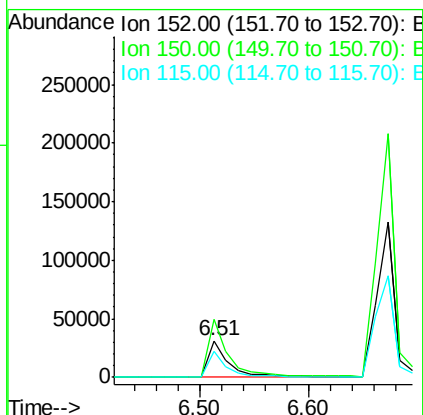
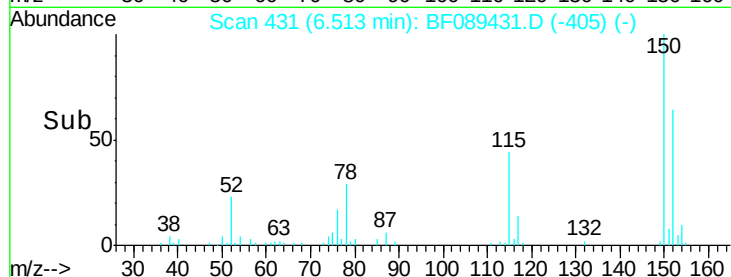
115 69.4 51.4 77.2



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: 48.79 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.24 min

Lab File: BF089431.D

Acq: 30 Jul 2016 2:11

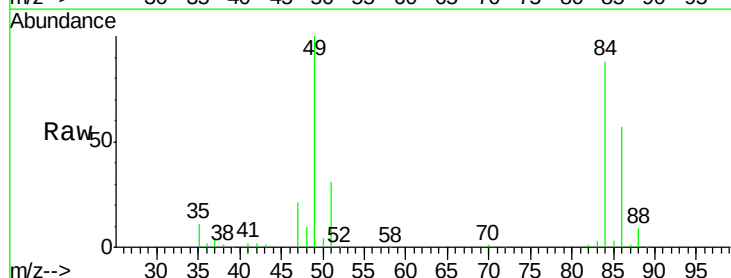
Tgt Ion: 88 Resp: 58100

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

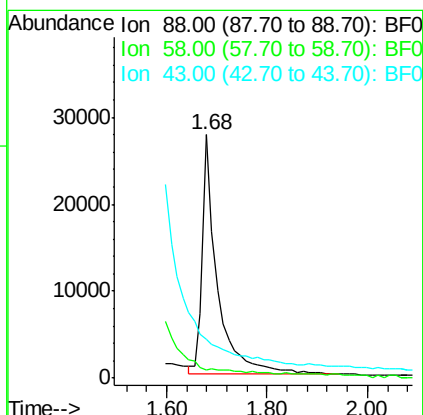
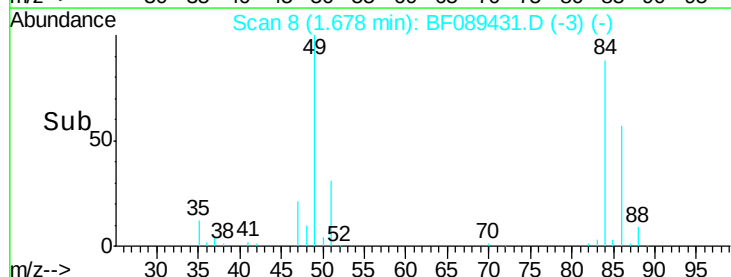
43 0.0 20.6 31.0#

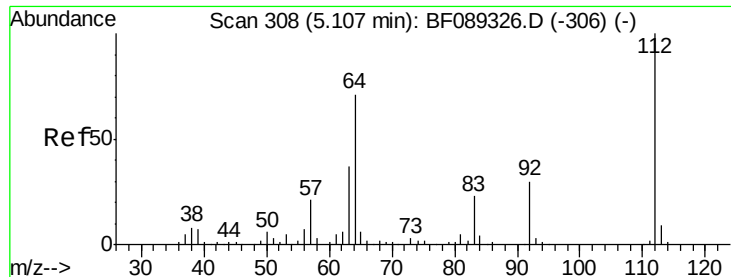


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

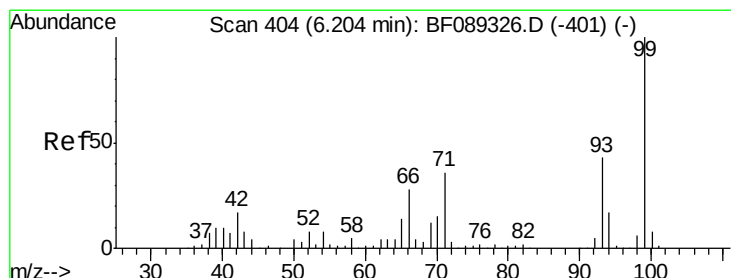
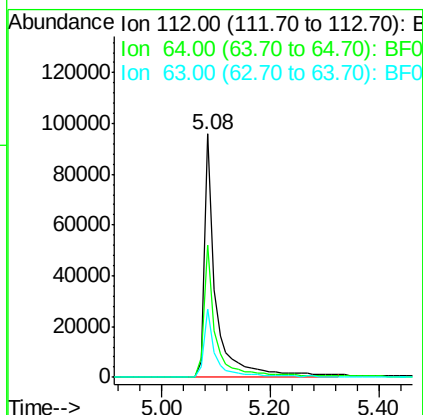
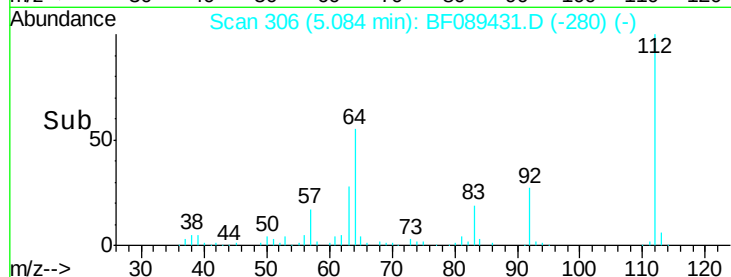
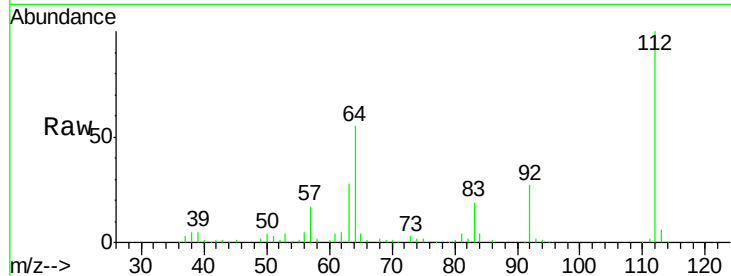




#5
 2-Fluorophenol
 Concen: 53.05 ng
 RT: 5.08 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: BF089431.D
 Acq: 30 Jul 2016 2:11

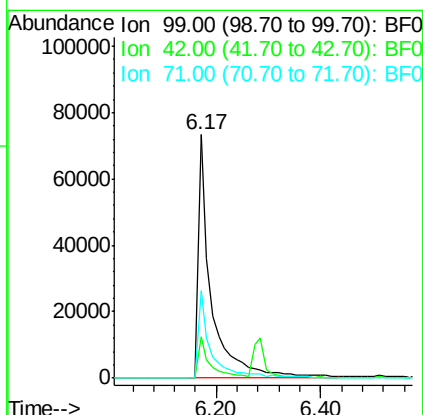
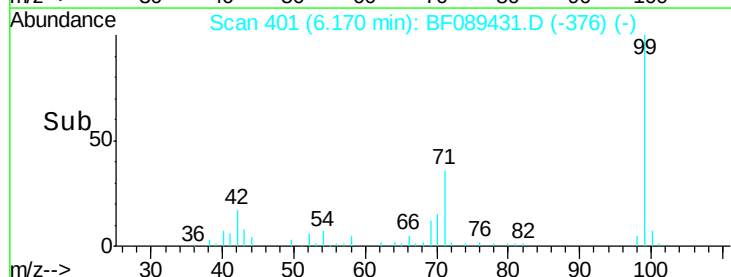
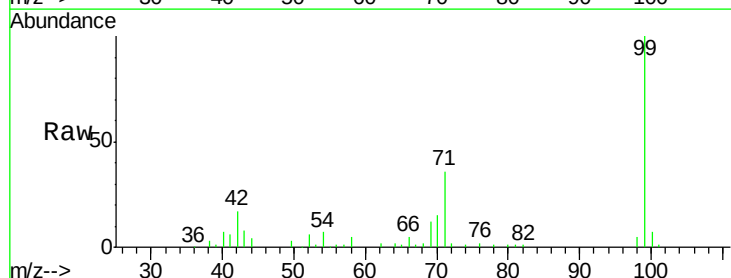
Instrument :
 BNA_F
 ClientSampleId :
 GW-45-7.8-13.0

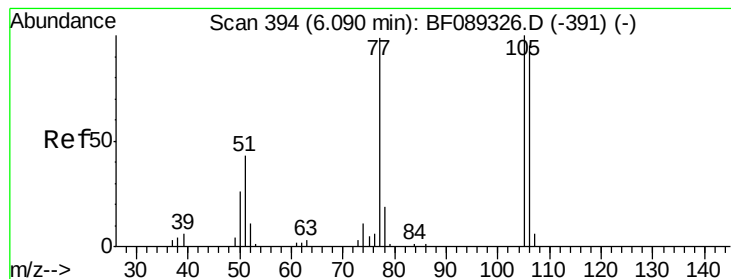
Tgt Ion: 112 Resp: 141683
 Ion Ratio Lower Upper
 112 100
 64 54.6 55.0 82.6#
 63 28.0 29.4 44.2#



#7
 Phenol-d6
 Concen: 36.68 ng
 RT: 6.17 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BF089431.D
 Acq: 30 Jul 2016 2:11

Tgt Ion: 99 Resp: 129461
 Ion Ratio Lower Upper
 99 100
 42 17.1 13.6 20.4
 71 36.0 29.4 44.2





#9

Benzaldehyde

Concen: 3.66 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.23 min

Lab File: BF089431.D

Acq: 30 Jul 2016 2:11

Instrument :

BNA_F

ClientSampleId :

GW-45-7.8-13.0

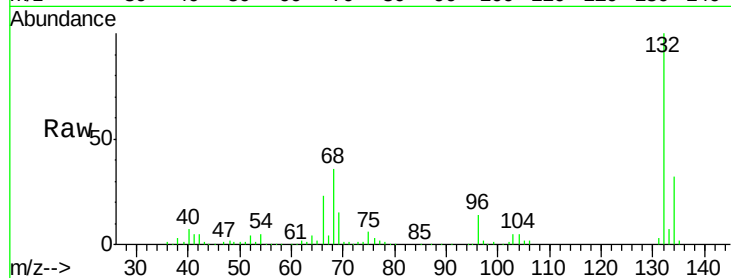
Tgt Ion: 77 Resp: 6307

Ion Ratio Lower Upper

77 100

105 88.6 82.9 122.9

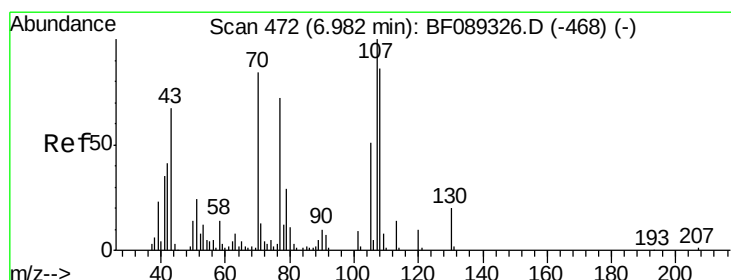
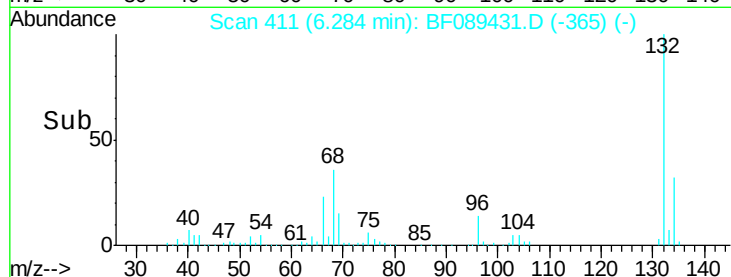
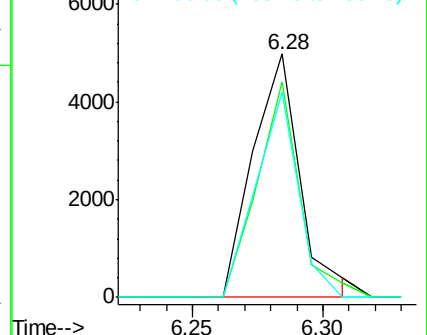
106 84.5 75.9 115.9



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: 15.74 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.14 min

Lab File: BF089431.D

Acq: 30 Jul 2016 2:11

Tgt Ion: 70 Resp: 33502

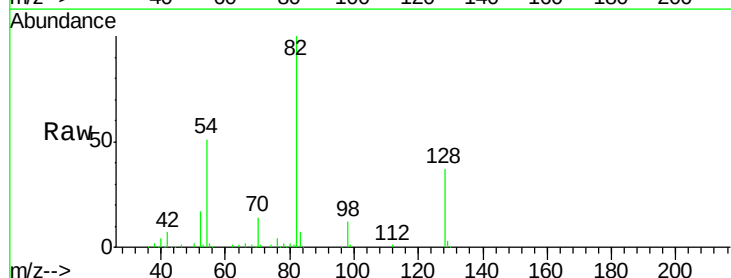
Ion Ratio Lower Upper

70 100

42 49.6 38.6 57.8

101 0.0 8.3 12.5#

130 2.1 19.0 28.4#

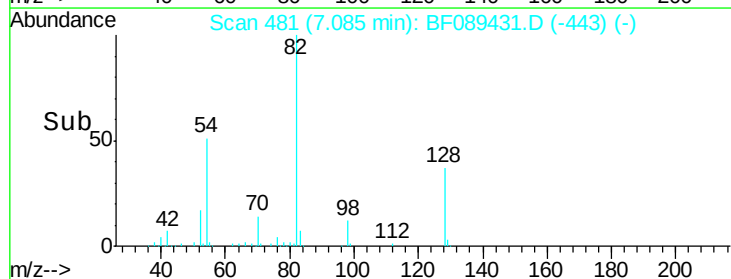
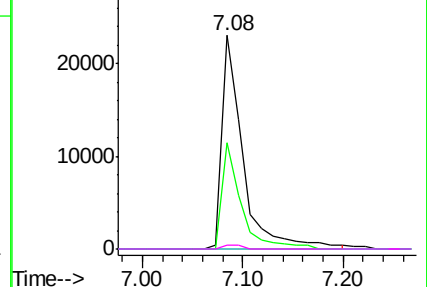


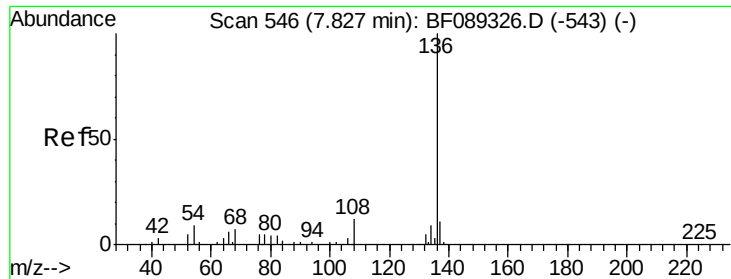
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

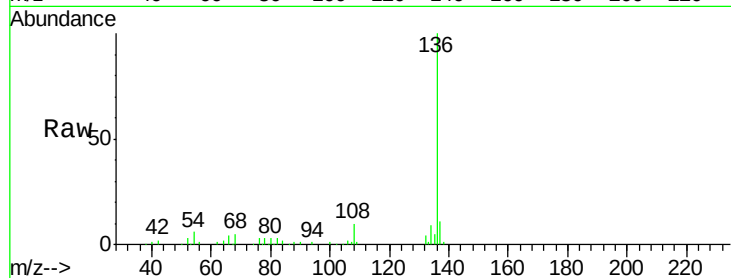




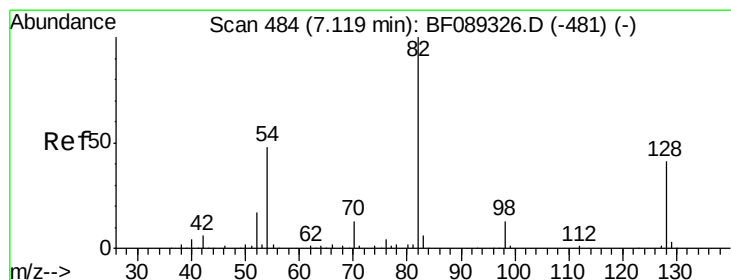
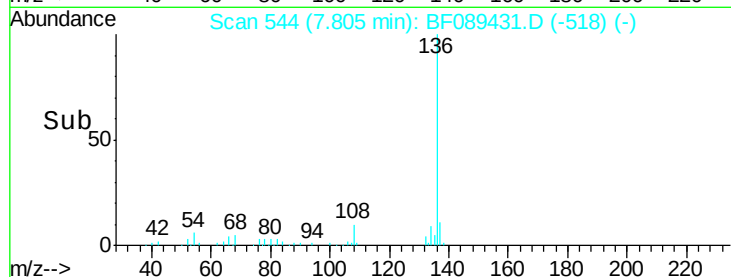
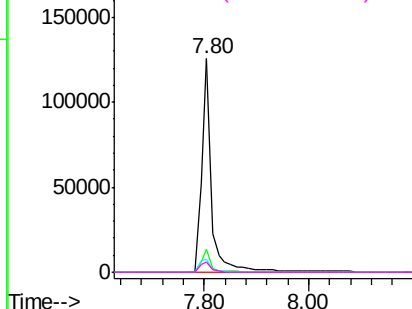
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:	136	Resp:	165641
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	5.8	7.0	10.4#
68	4.9	4.9	7.3#

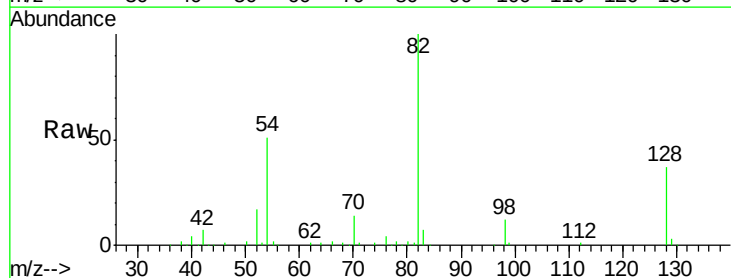


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

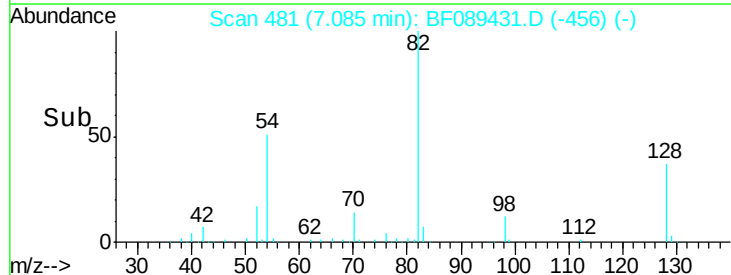
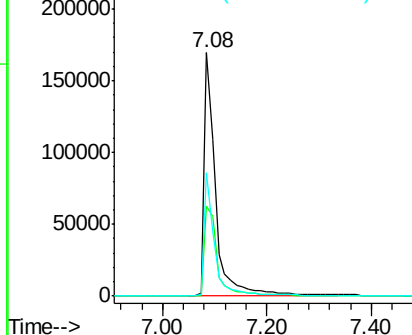


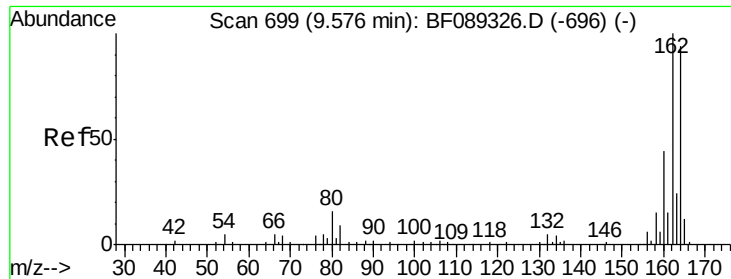
#23
Nitrobenzene-d5
Concen: 93.85 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion:	82	Resp:	263380
Ion	Ratio	Lower	Upper
82	100		
128	37.0	32.5	48.7
54	50.8	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

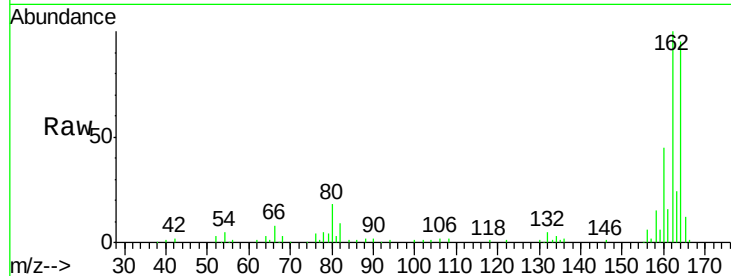




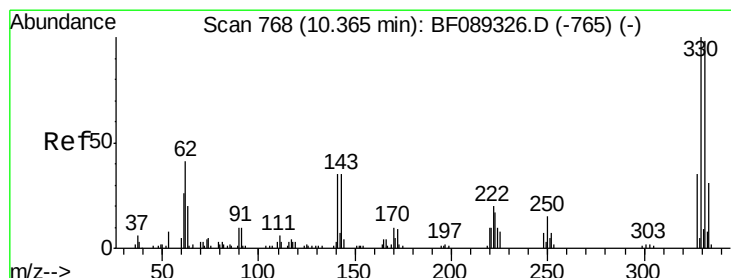
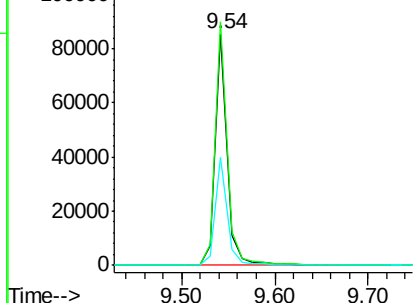
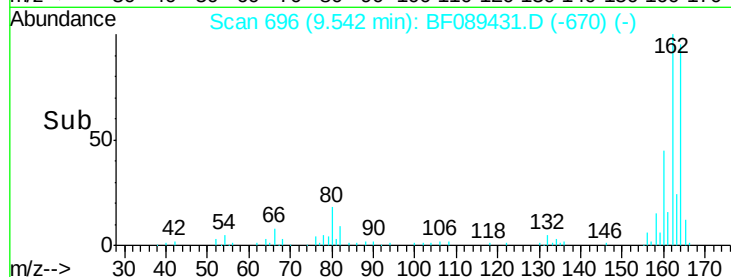
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: BF089431.D
 Acq: 30 Jul 2016 2:11

Instrument :
 BNA_F
 ClientSampleId :
 GW-45-7.8-13.0

Tgt Ion:164 Resp: 75615
 Ion Ratio Lower Upper
 164 100
 162 105.3 83.7 125.5
 160 46.9 37.8 56.6

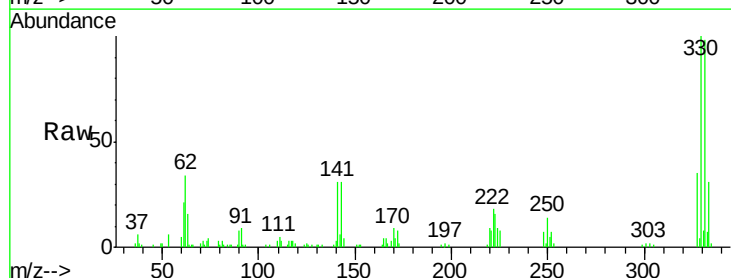


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

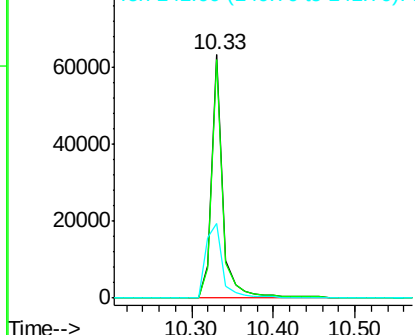
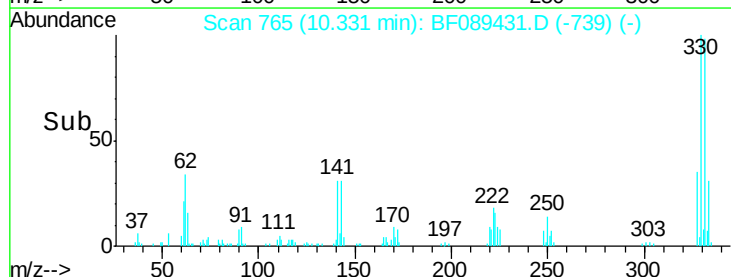


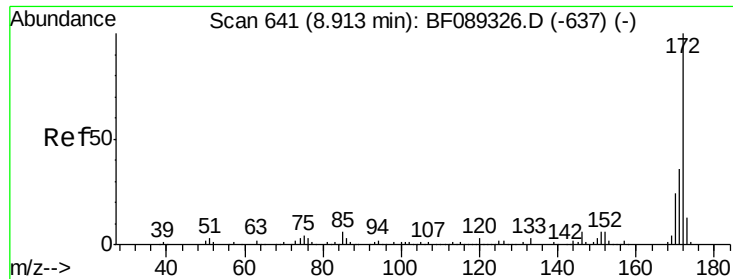
#41
 2,4,6-Tribromophenol
 Concen: 100.03 ng
 RT: 10.33 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF089431.D
 Acq: 30 Jul 2016 2:11

Tgt Ion:330 Resp: 62642
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.8 115.2
 141 45.7 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

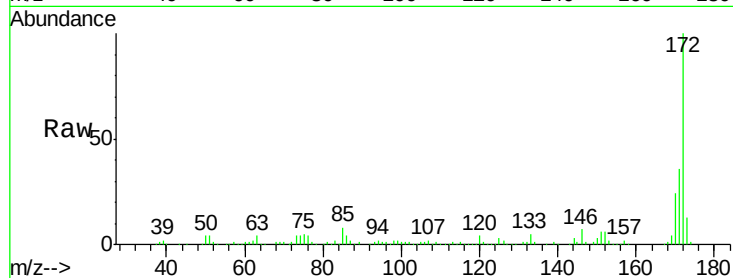




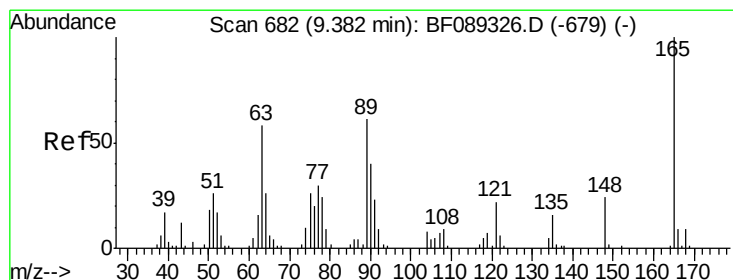
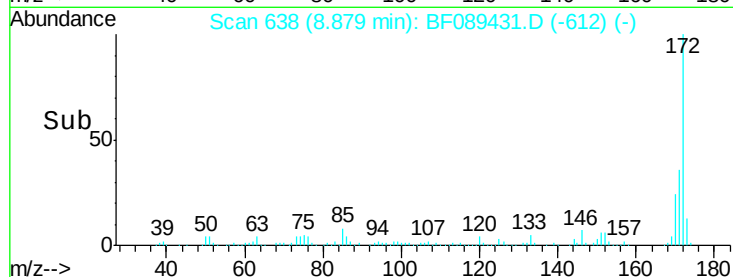
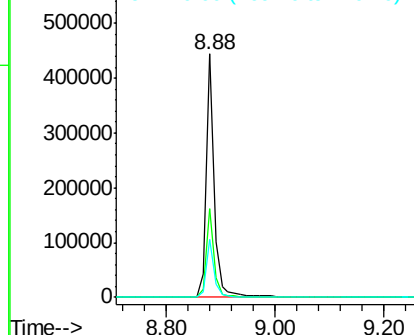
#44
 2-Fluorobiphenyl
 Concen: 87.23 ng
 RT: 8.88 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF089431.D
 Acq: 30 Jul 2016 2:11

Instrument :
 BNA_F
 ClientSampleId :
 GW-45-7.8-13.0

Tgt Ion:172 Resp: 449443
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 24.0 19.2 28.8

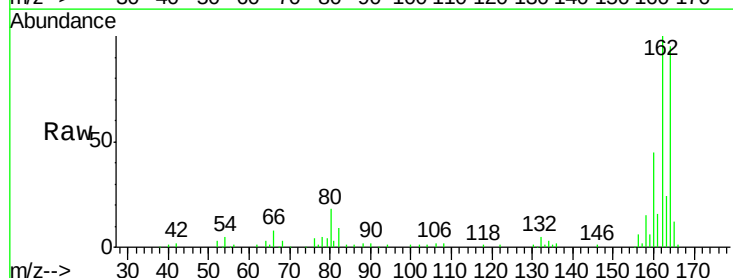


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

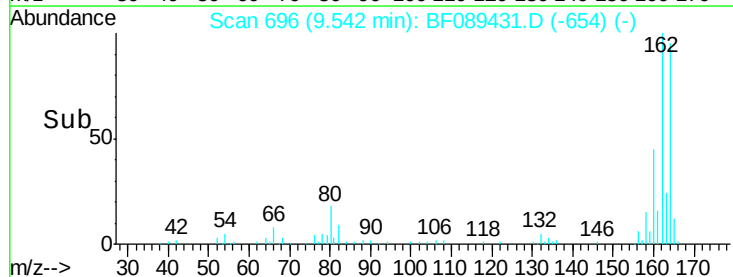
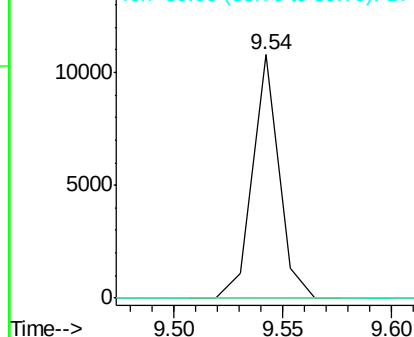


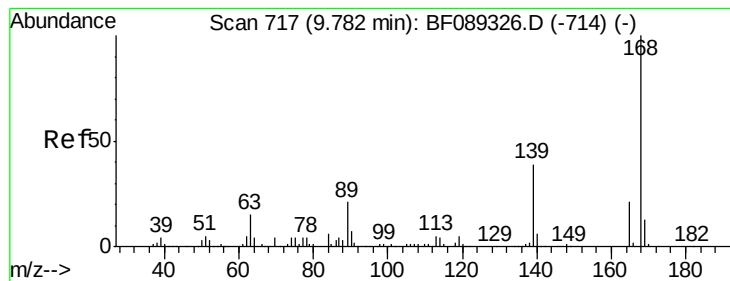
#50
 2,6-Dinitrotoluene
 Concen: 7.65 ng
 RT: 9.54 min Scan# 696
 Delta R.T. 0.18 min
 Lab File: BF089431.D
 Acq: 30 Jul 2016 2:11

Tgt Ion:165 Resp: 9050
 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: 5.81 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.22 min

Lab File: BF089431.D

Acq: 30 Jul 2016 2:11

Instrument :

BNA_F

ClientSampleId :

GW-45-7.8-13.0

Tgt Ion:165 Resp: 9050

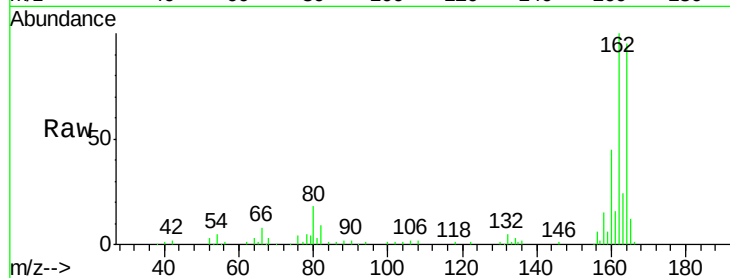
Ion Ratio Lower Upper

165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#

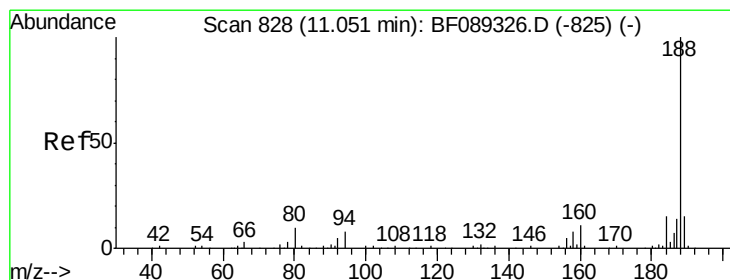
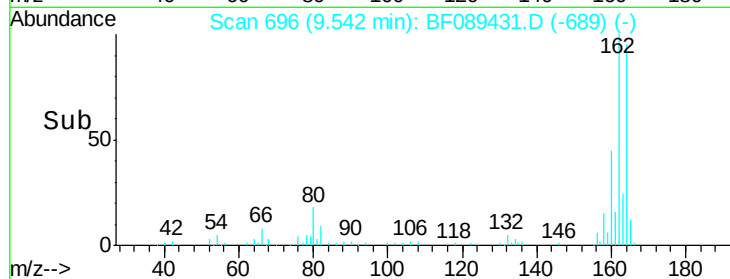
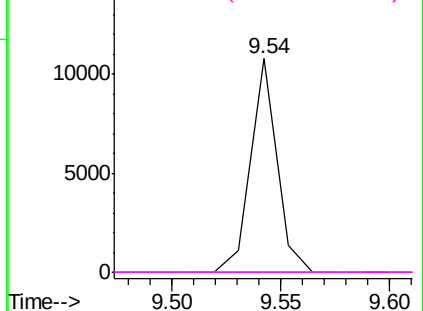


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF089431.D

Acq: 30 Jul 2016 2:11

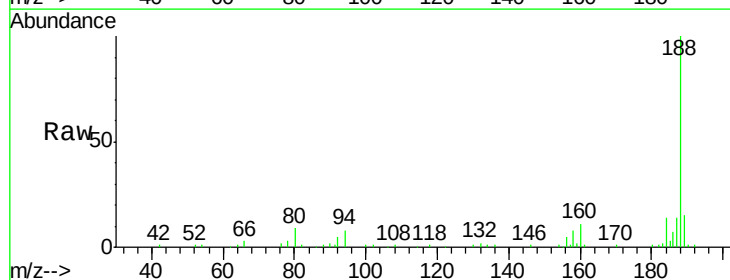
Tgt Ion:188 Resp: 107347

Ion Ratio Lower Upper

188 100

94 7.9 6.5 9.7

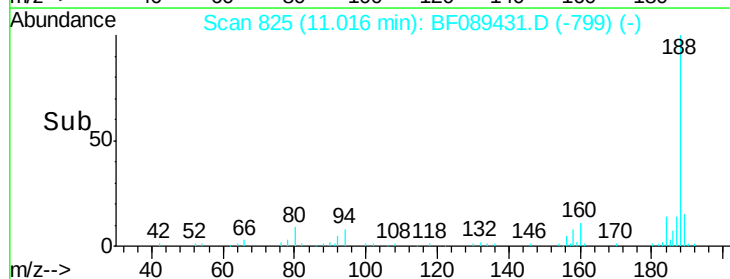
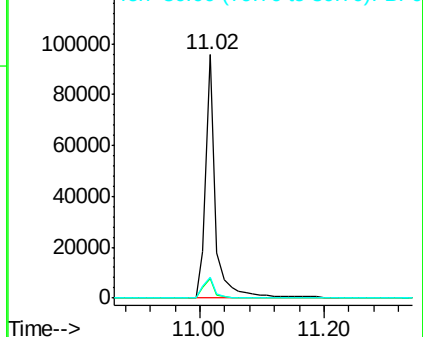
80 8.8 7.2 10.8

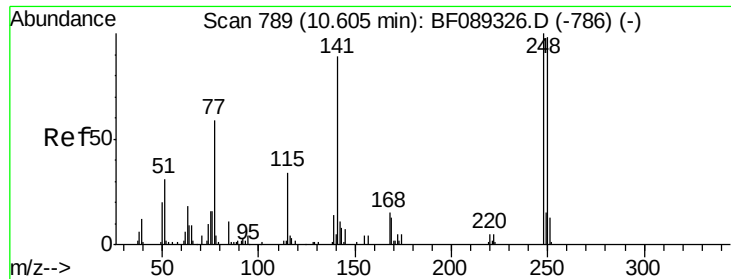


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.50 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.24 min

Lab File: BF089431.D

Acq: 30 Jul 2016 2:11

Instrument :

BNA_F

ClientSampleId :

GW-45-7.8-13.0

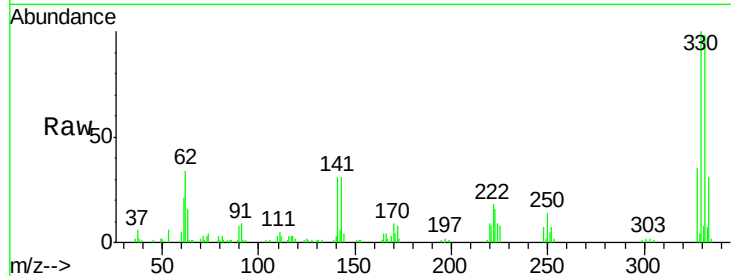
Tgt Ion:248 Resp: 4613

Ion Ratio Lower Upper

248 100

250 196.5 78.2 117.2#

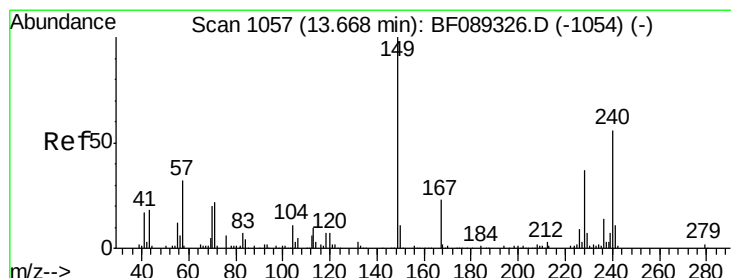
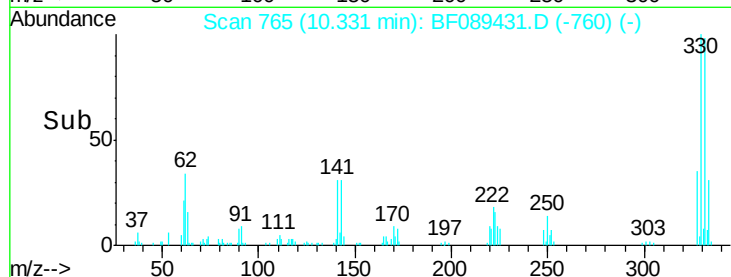
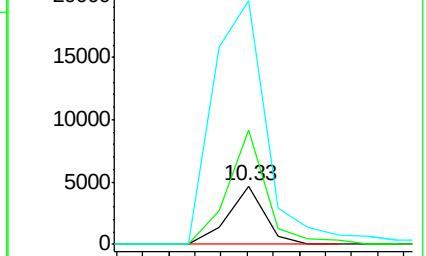
141 419.5 62.0 93.0#



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: BF089431.D

Acq: 30 Jul 2016 2:11

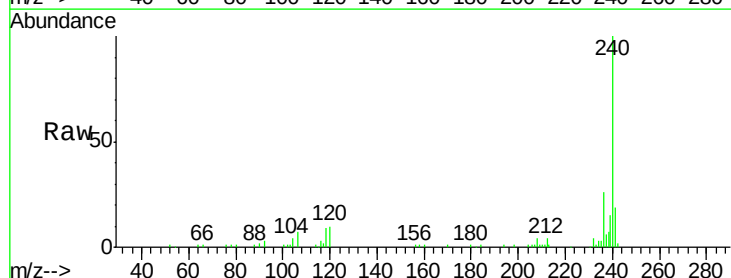
Tgt Ion:240 Resp: 82700

Ion Ratio Lower Upper

240 100

120 10.0 9.1 13.7

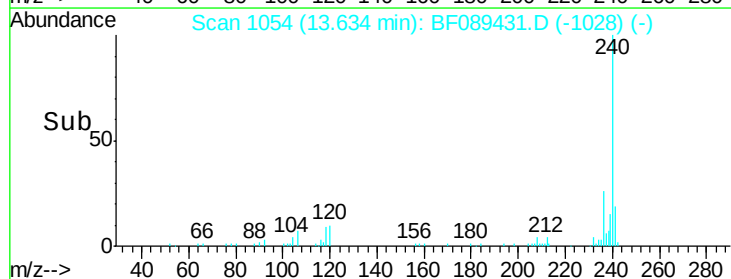
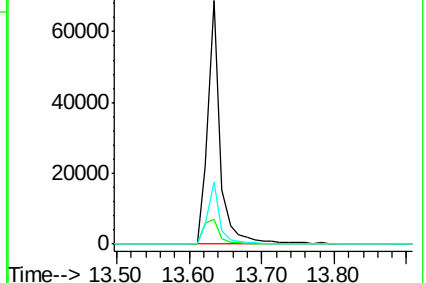
236 25.5 20.6 30.8

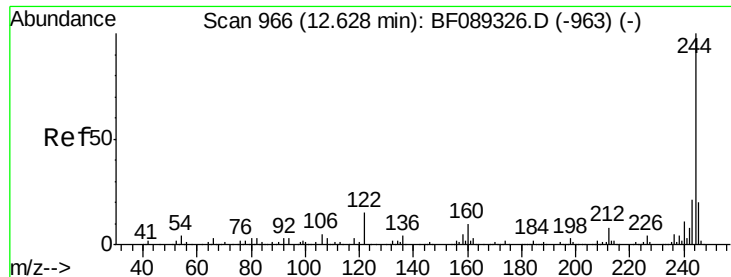


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 78.10 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF089431.D

Acq: 30 Jul 2016 2:11

Instrument :

BNA_F

ClientSampleId :

GW-45-7.8-13.0

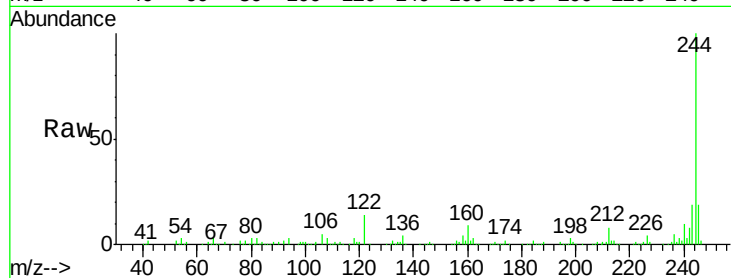
Tgt Ion:244 Resp: 275951

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

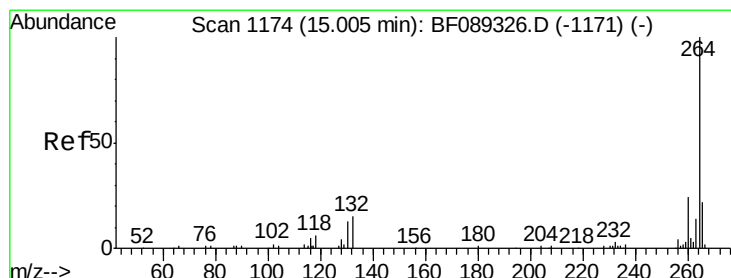
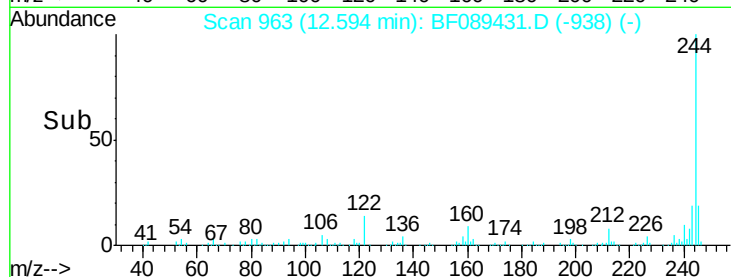
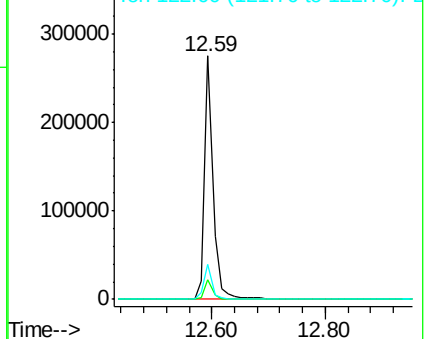
122 14.5 11.4 17.0



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: BF089431.D

Acq: 30 Jul 2016 2:11

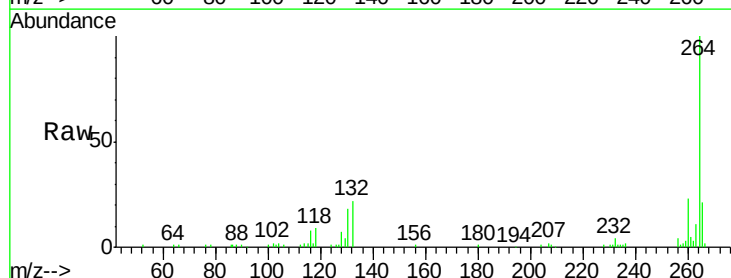
Tgt Ion:264 Resp: 92443

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.1 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

