

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092012.D
 Acq On : 22 Jul 2016 18:49
 Operator : UM/SJ
 Sample : H4120-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-03-6.0-14.0

Quant Time: Jul 23 01:31:49 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	22832	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	109814	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	75160	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	166640	5.00	ng	0.00
31) Chrysene-d12	21.76	240	247799	5.00	ng	0.00
40) Perylene-d12	24.16	264	183043	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	13526	3.06	ng	0.00
5) Phenol-d6	7.35	99	11913	1.61	ng	-0.02
9) Nitrobenzene-d5	9.37	82	23067	3.49	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	13474	5.23	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	67427	3.41	ng	0.00
34) Terphenyl-d14	20.20	244	133731	5.37	ng	-0.02

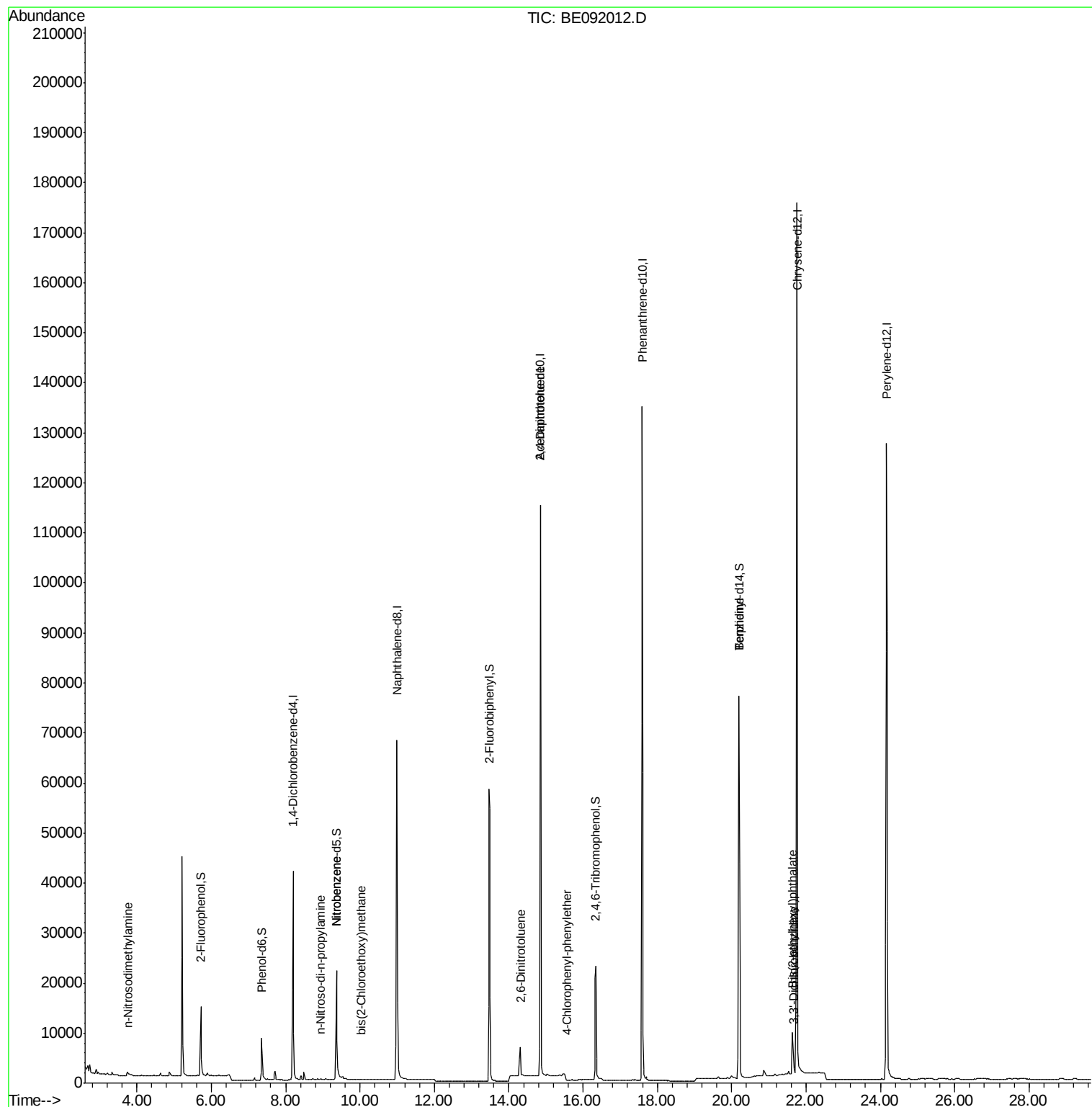
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.75	42	440	0.19	ng	# 1
7) n-Nitroso-di-n-propylamine	8.94	70	178	0.03	ng	# 66
10) Nitrobenzene	9.37	77	116	0.14	ng	# 1
11) bis(2-Chloroethoxy)methane	10.05	93	862	0.10	ng	# 24
19) 2,6-Dinitrotoluene	14.31	165	4611	0.38	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	41392	2.15	ng	# 1
23) 4-Chlorophenyl-phenylether	15.57	204	533	0.05	ng	# 1
32) Benzidine	20.20	184	2920	0.42	ng	# 80
36) 3,3'-Dichlorobenzidine	21.67	252	34	0.02	ng	# 80
38) Bis(2-ethylhexyl)phthalate	21.64	149	15423	0.39	ng	# 100

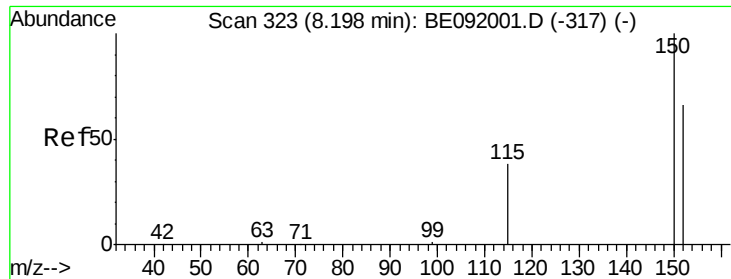
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Instrument :

BNA_E

ClientSampleId :

GW-03-6.0-14.0

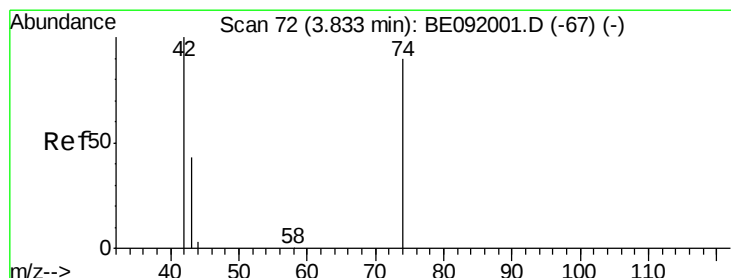
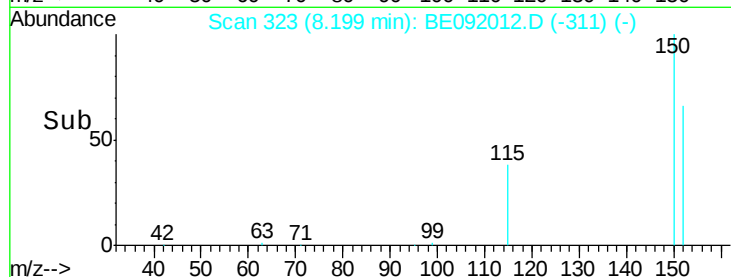
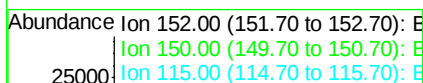
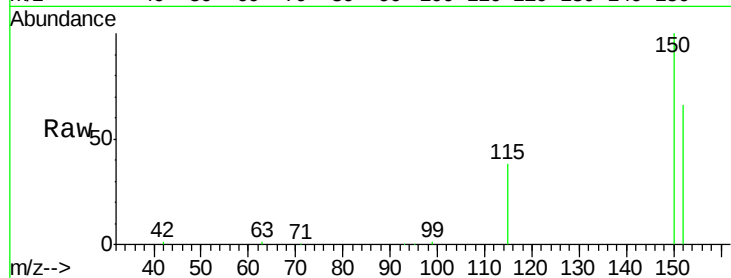
Tgt Ion:152 Resp: 22832

Ion Ratio Lower Upper

152 100

150 151.3 123.9 185.9

115 57.5 48.3 72.5



#3

n-Nitrosodimethylamine

Concen: 0.19 ng

RT: 3.75 min Scan# 67

Delta R.T. -0.09 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

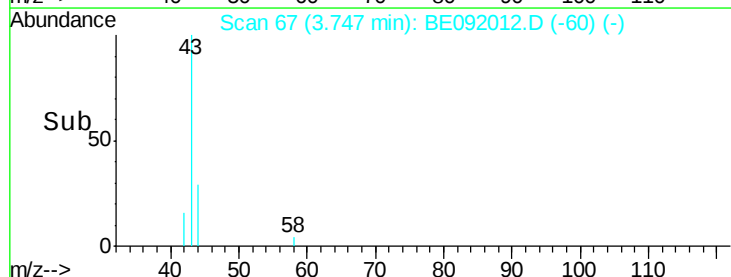
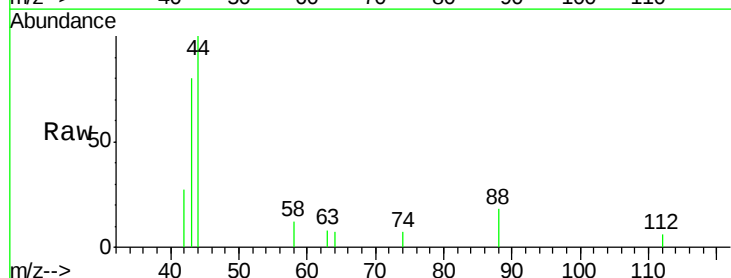
Tgt Ion: 42 Resp: 440

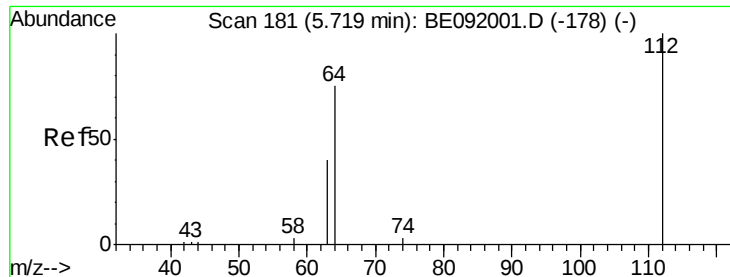
Ion Ratio Lower Upper

42 100

74 1.6 93.4 140.0#

44 103.2 5.0 7.6#





#4

2-Fluorophenol

Concen: 3.06 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Instrument :

BNA_E

ClientSampleId :

GW-03-6.0-14.0

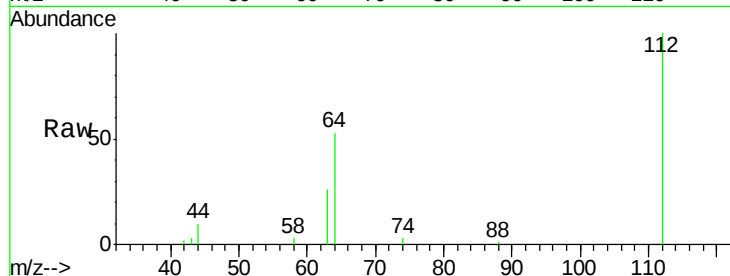
Tgt Ion: 112 Resp: 13526

Ion Ratio Lower Upper

112 100

64 66.7 53.7 80.5

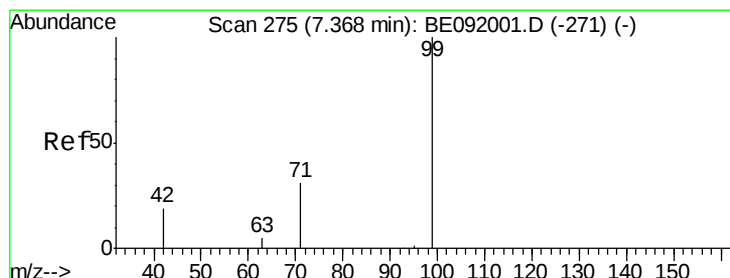
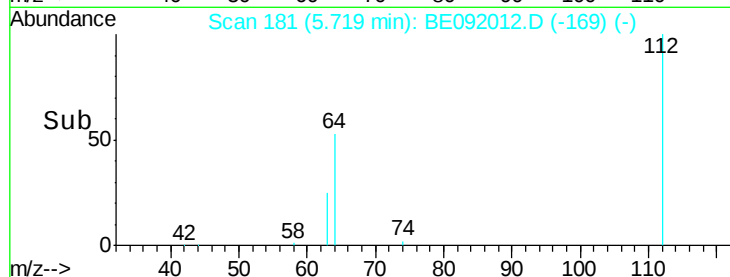
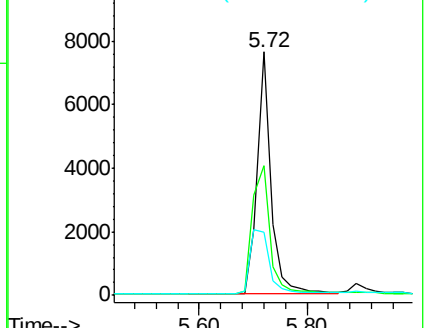
63 36.3 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.61 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

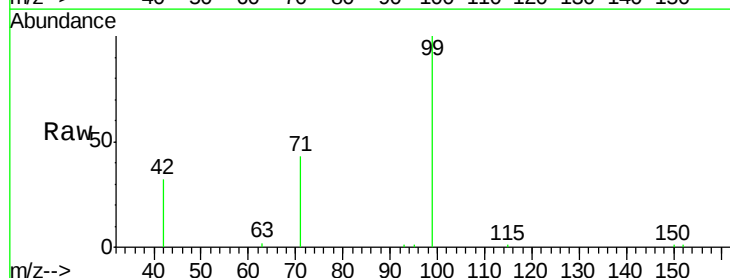
Tgt Ion: 99 Resp: 11913

Ion Ratio Lower Upper

99 100

42 25.7 19.6 29.4

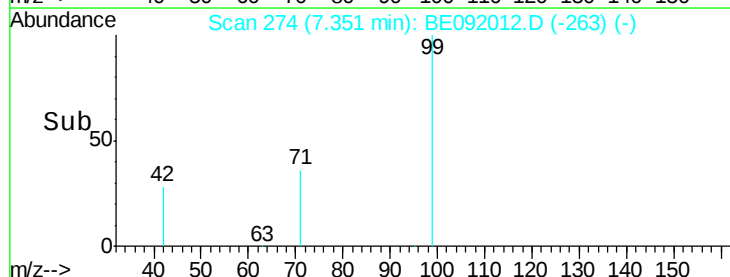
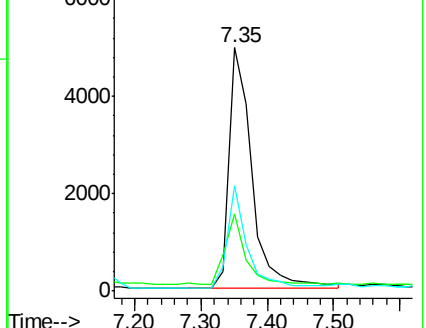
71 37.1 28.1 42.1

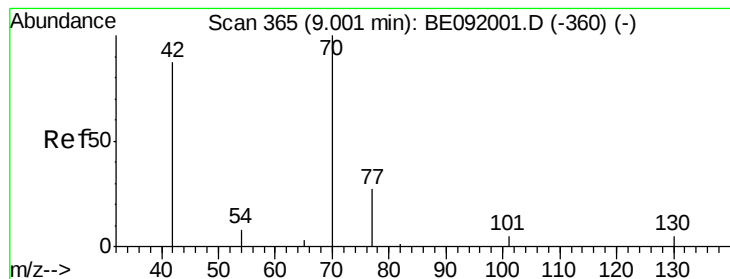


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.03 ng

RT: 8.94 min Scan# 362

Delta R.T. -0.06 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Instrument :

BNA_E

ClientSampleId :

GW-03-6.0-14.0

Tgt Ion: 70 Resp: 178

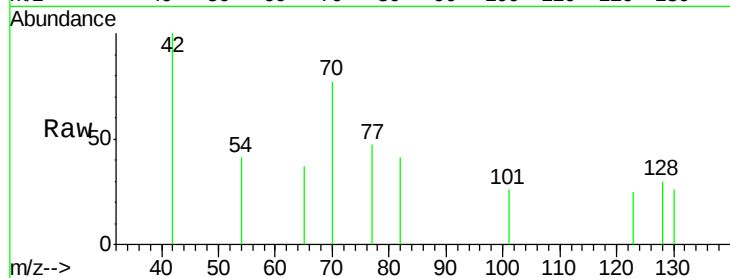
Ion Ratio Lower Upper

70 100

42 102.8 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0



Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->

8.85 8.90 8.95 9.00 9.05

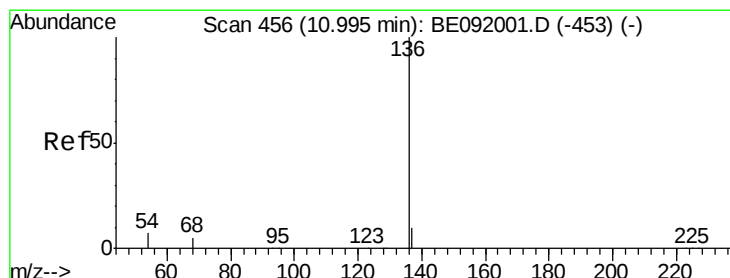
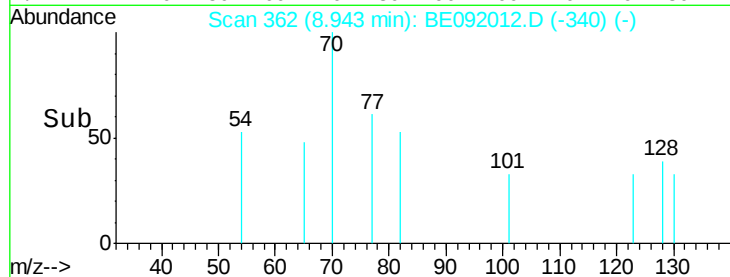
8.94

150

100

50

0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Tgt Ion: 136 Resp: 109814

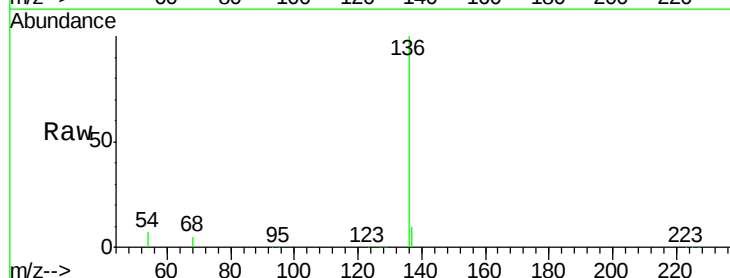
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 6.7 8.2 12.4#

68 5.1 5.9 8.9#



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): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->

10.80 10.90 11.00 11.10

10.99

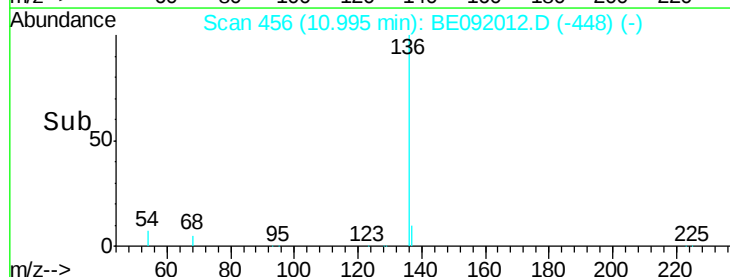
80000

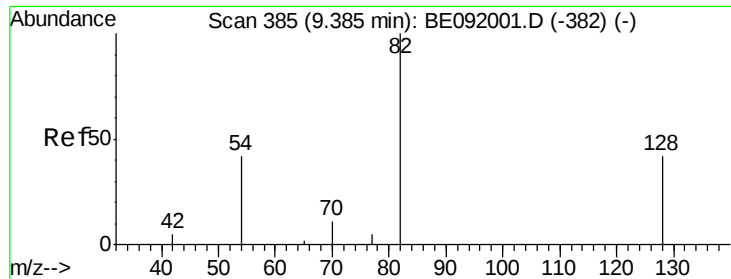
60000

40000

20000

0





#9

Nitrobenzene-d5

Concen: 3.49 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Instrument :

BNA_E

ClientSampleId :

GW-03-6.0-14.0

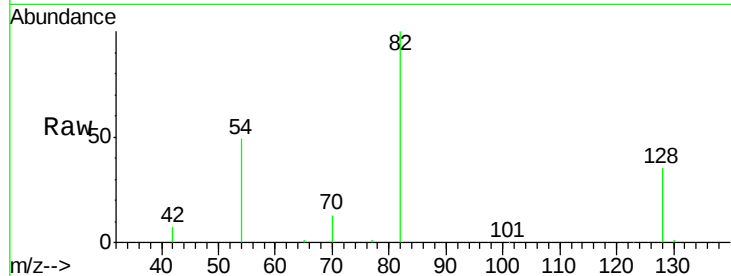
Tgt Ion: 82 Resp: 23067

Ion Ratio Lower Upper

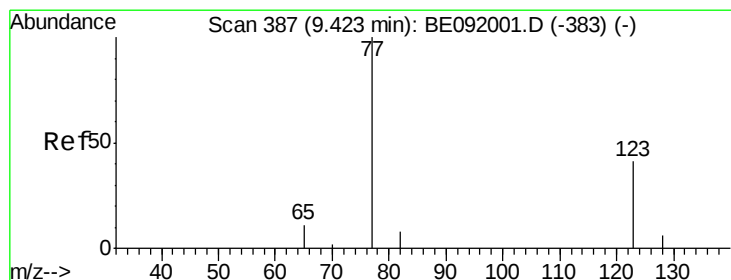
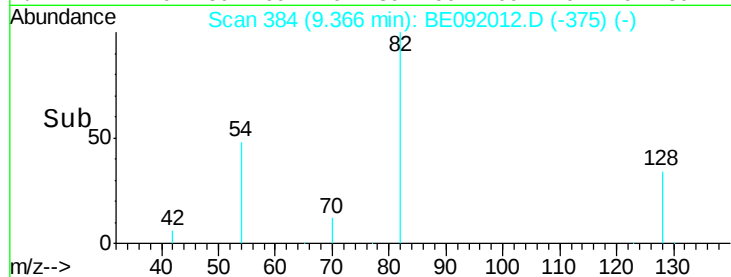
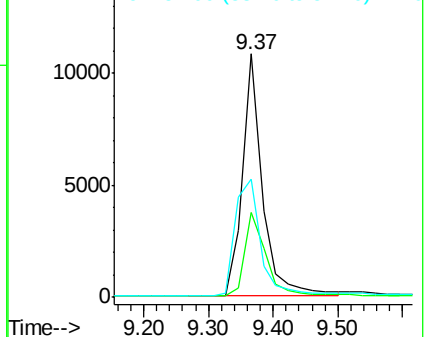
82 100

128 34.6 39.5 59.3#

54 48.8 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.14 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.06 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

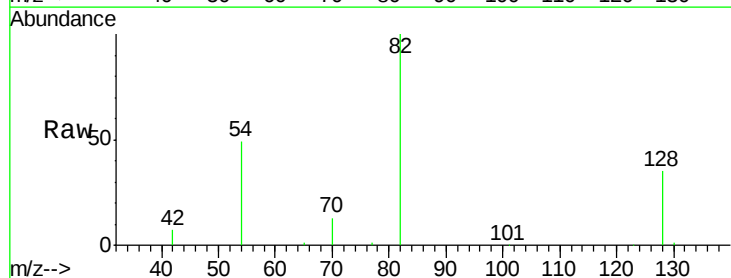
Tgt Ion: 77 Resp: 116

Ion Ratio Lower Upper

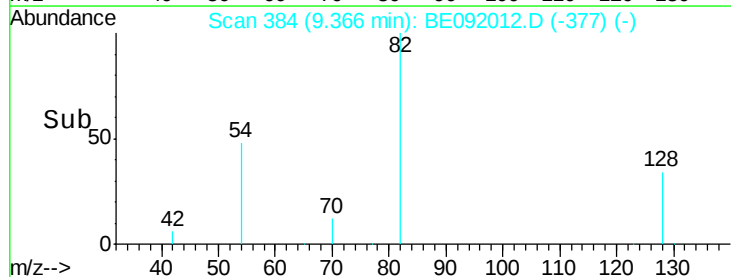
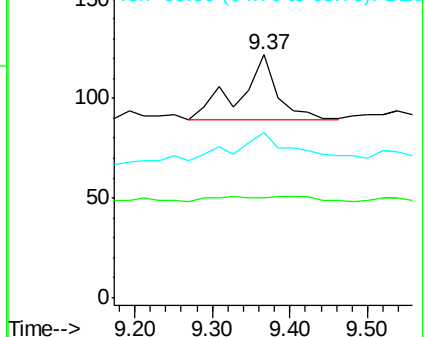
77 100

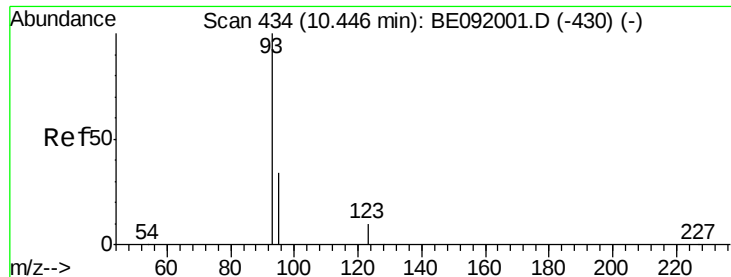
123 11.2 0.0 0.0#

65 60.3 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0

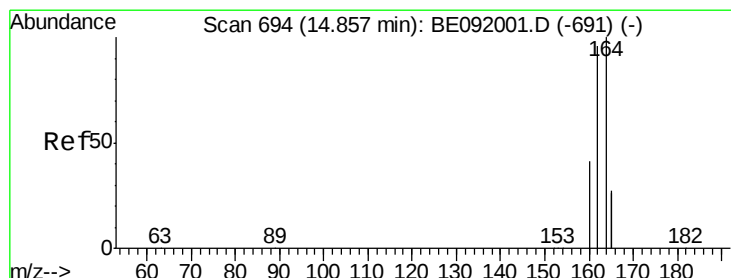
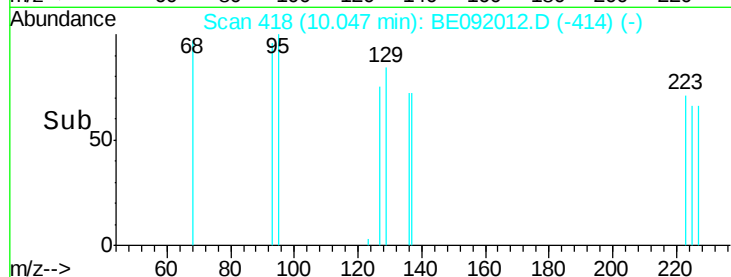
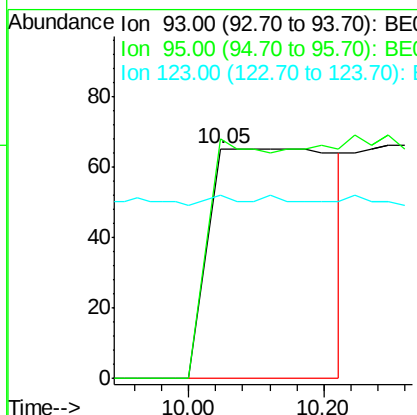
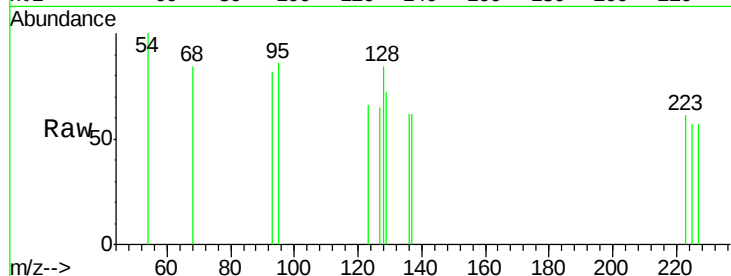




#11
bis(2-Chloroethoxy)methane
Concen: 0.10 ng
RT: 10.05 min Scan# 418
Delta R.T. -0.40 min
Lab File: BE092012.D
Acq: 22 Jul 2016 18:49

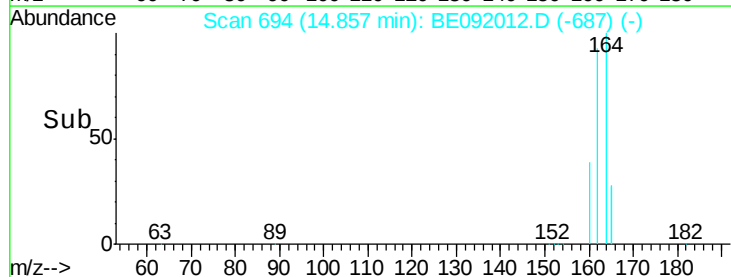
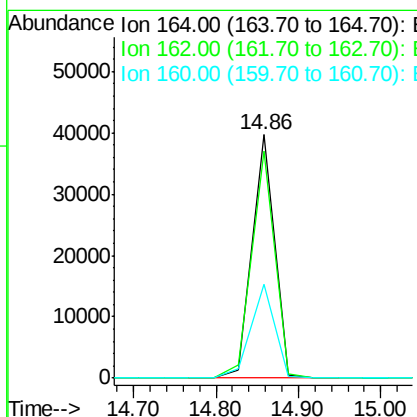
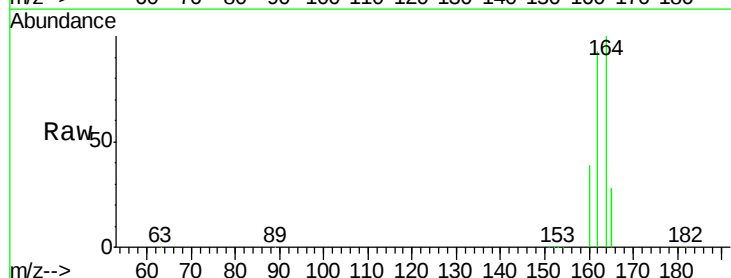
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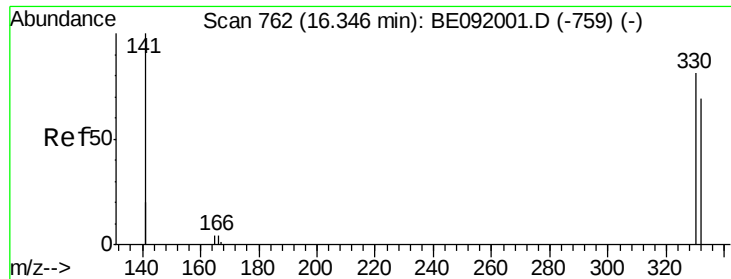
Tgt Ion: 93 Resp: 862
Ion Ratio Lower Upper
93 100
95 55.7 57.6 86.4#
123 1.2 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092012.D
Acq: 22 Jul 2016 18:49

Tgt Ion: 164 Resp: 75160
Ion Ratio Lower Upper
164 100
162 93.2 71.8 107.8
160 38.6 28.0 42.0

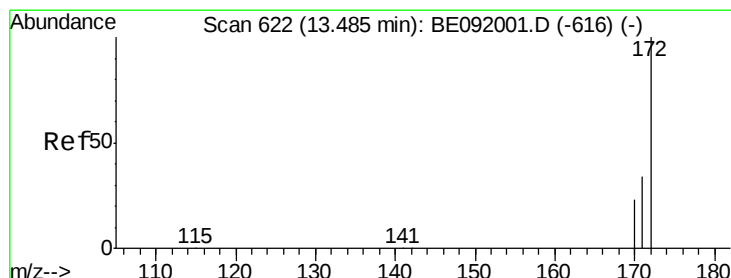
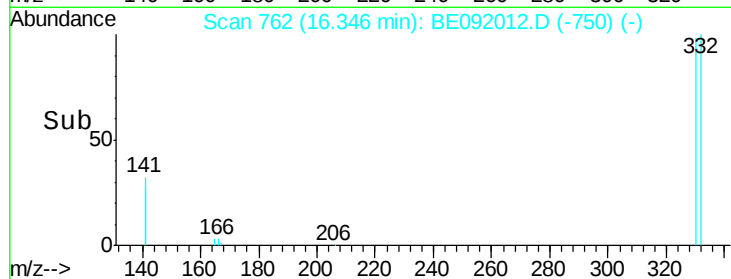
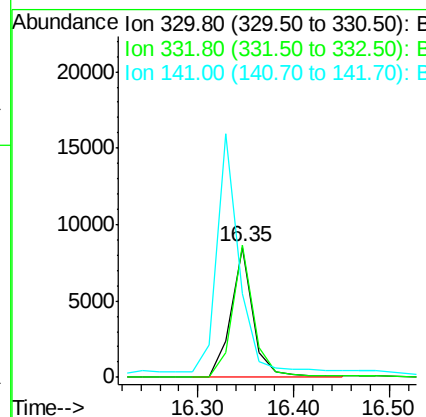
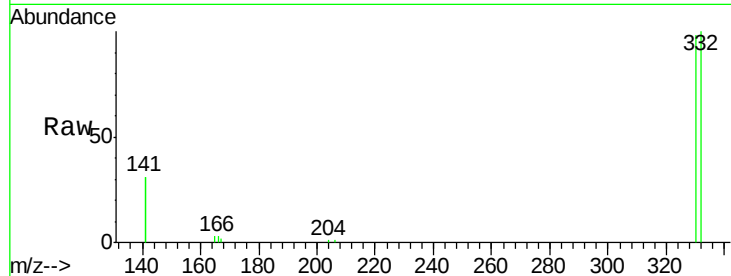




#16
 2,4,6-Tribromophenol
 Concen: 5.23 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092012.D
 Acq: 22 Jul 2016 18:49

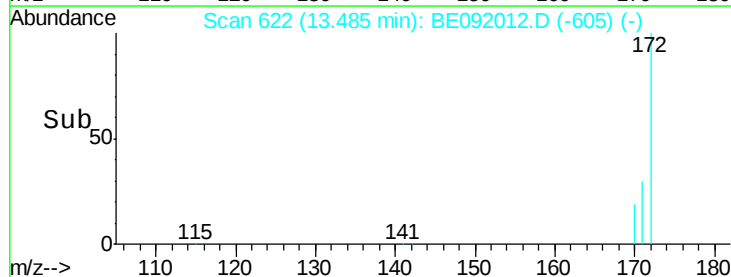
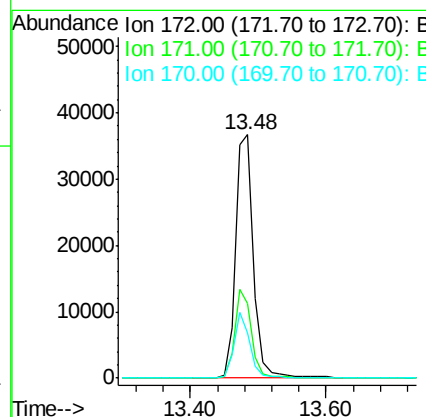
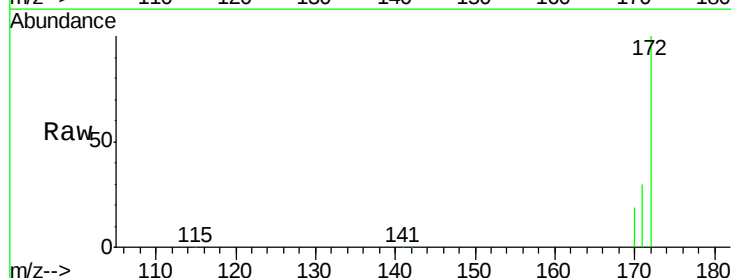
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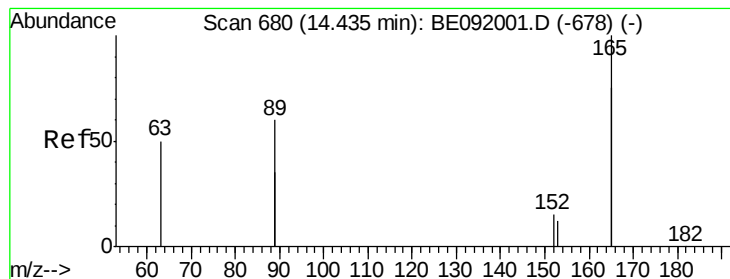
Tgt Ion:330 Resp: 13474
 Ion Ratio Lower Upper
 330 100
 332 98.8 77.0 115.6
 141 187.1 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 3.41 ng
 RT: 13.48 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE092012.D
 Acq: 22 Jul 2016 18:49

Tgt Ion:172 Resp: 67427
 Ion Ratio Lower Upper
 172 100
 171 30.4 24.3 36.5
 170 18.7 14.9 22.3





#19

2,6-Dinitrotoluene

Concen: 0.38 ng

RT: 14.31 min Scan# 676

Delta R.T. -0.12 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Instrument :

BNA_E

ClientSampleId :

GW-03-6.0-14.0

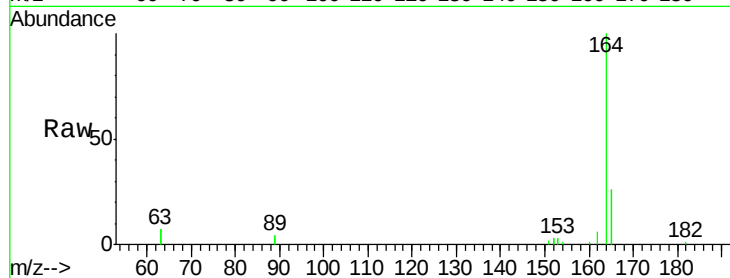
Tgt Ion:165 Resp: 4611

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

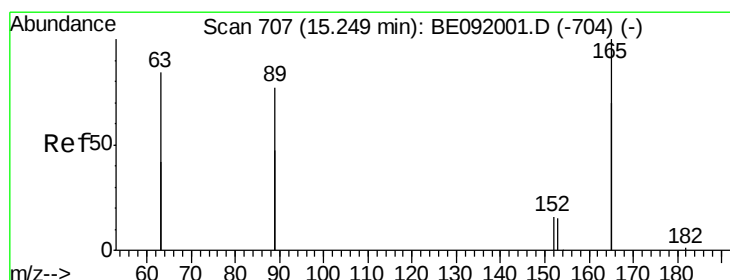
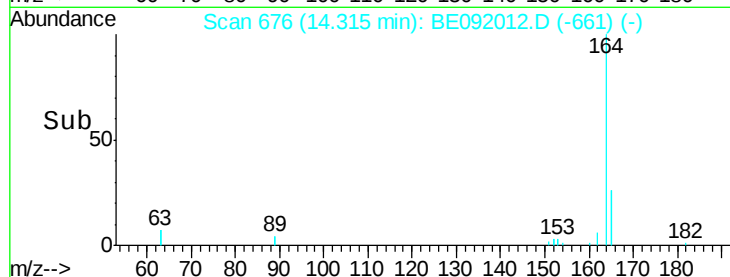
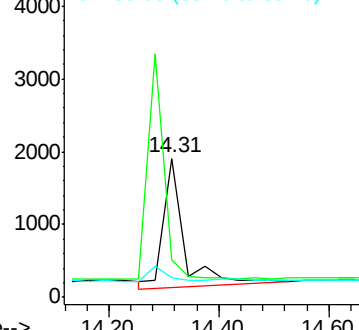
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#21

2,4-Dinitrotoluene

Concen: 2.15 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Tgt Ion:165 Resp: 41392

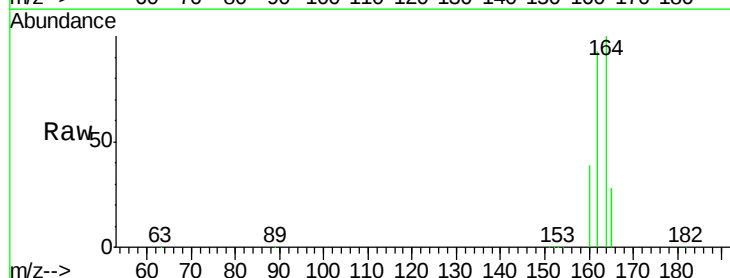
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

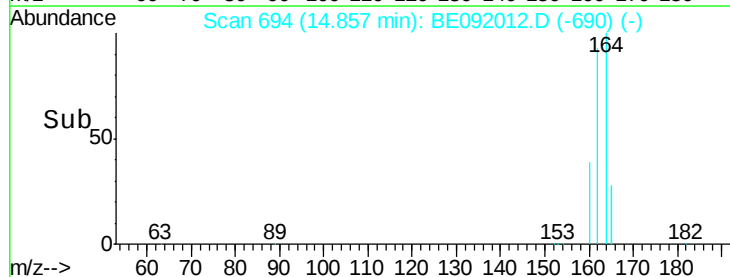
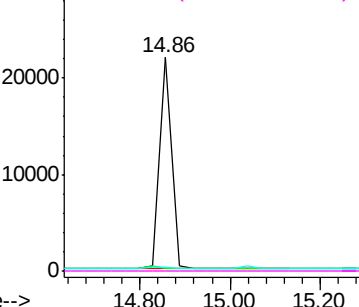


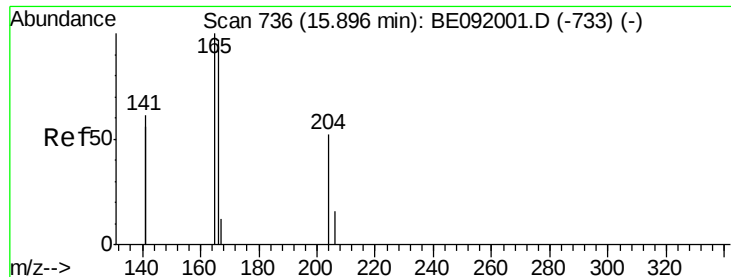
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

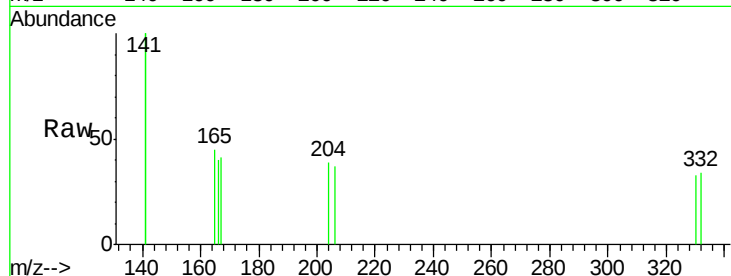




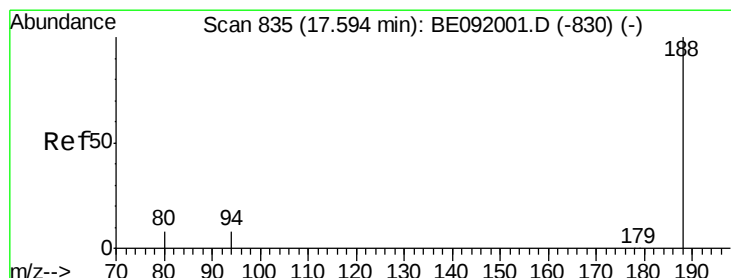
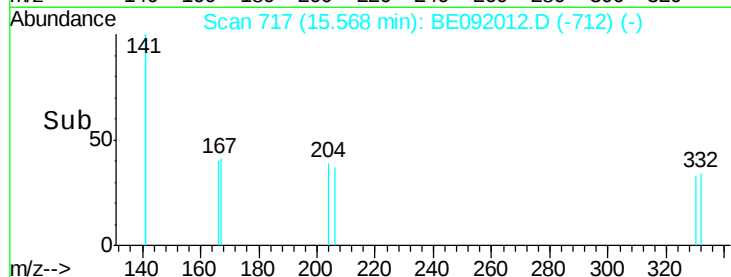
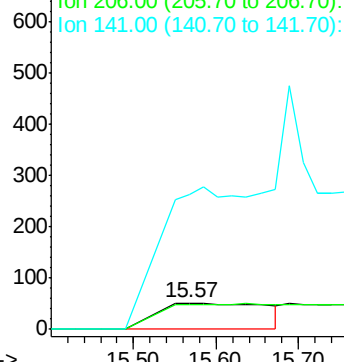
#23
4-Chlorophenyl-phenylether
Concen: 0.05 ng
RT: 15.57 min Scan# 717
Delta R.T. -0.33 min
Lab File: BE092012.D
Acq: 22 Jul 2016 18:49

Instrument :
BNA_E
ClientSampleId :
GW-03-6.0-14.0

Tgt Ion:204 Resp: 533
Ion Ratio Lower Upper
204 100
206 61.0 27.8 41.6#
141 431.0 197.6 296.4#

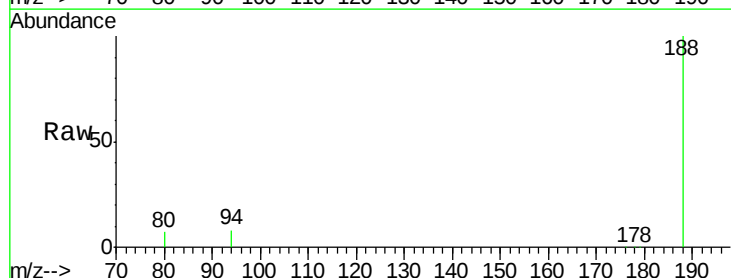


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

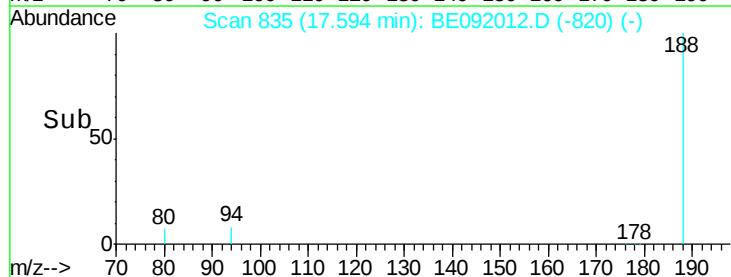
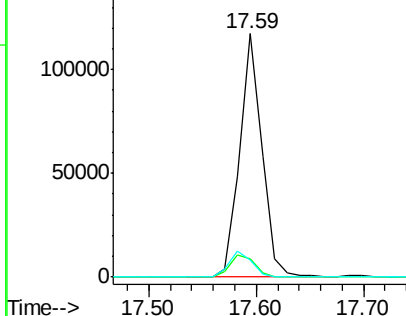


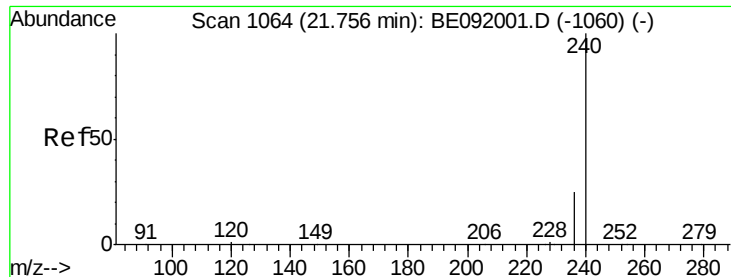
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE092012.D
Acq: 22 Jul 2016 18:49

Tgt Ion:188 Resp: 166640
Ion Ratio Lower Upper
188 100
94 7.8 4.1 6.1#
80 7.2 3.4 5.2#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

Instrument :

BNA_E

ClientSampleId :

GW-03-6.0-14.0

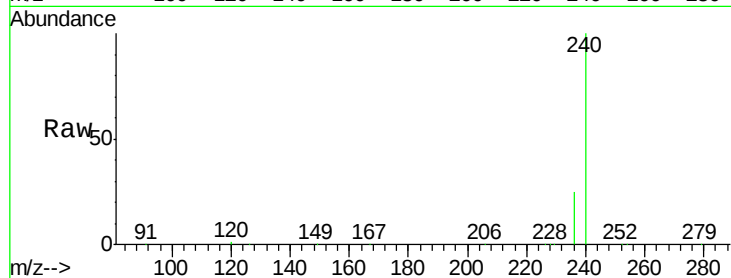
Tgt Ion:240 Resp: 247799

Ion Ratio Lower Upper

240 100

120 0.9 1.2 1.8#

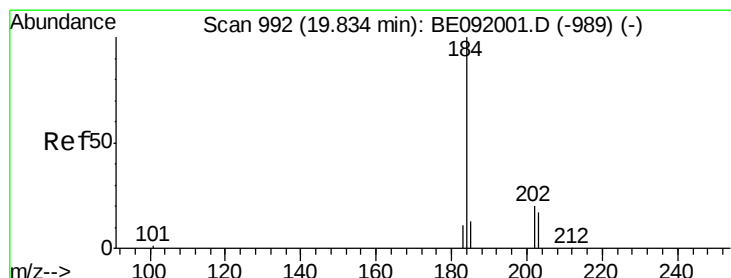
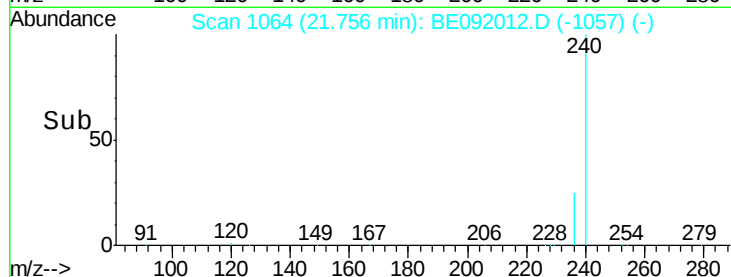
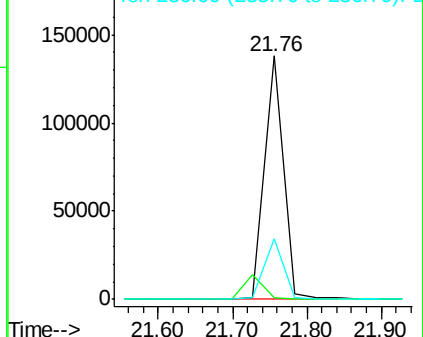
236 24.7 19.8 29.8



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



#32

Benzidine

Concen: 0.42 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.37 min

Lab File: BE092012.D

Acq: 22 Jul 2016 18:49

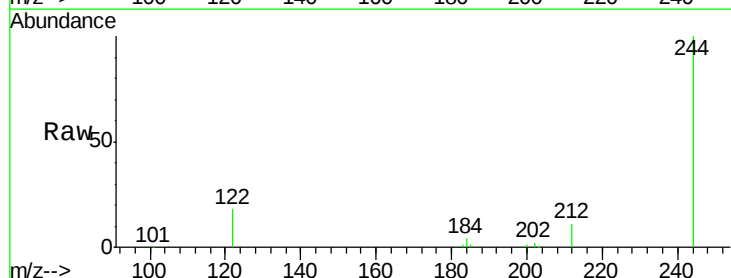
Tgt Ion:184 Resp: 2920

Ion Ratio Lower Upper

184 100

185 28.9 11.4 17.2#

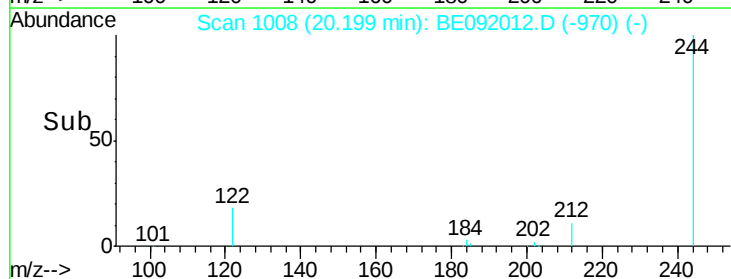
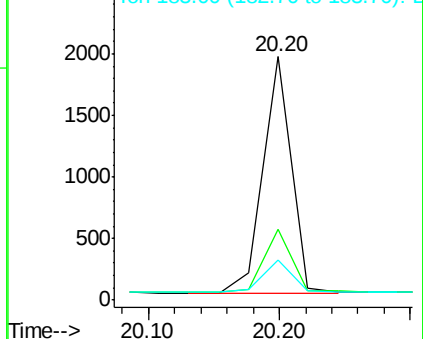
183 16.7 11.8 17.6

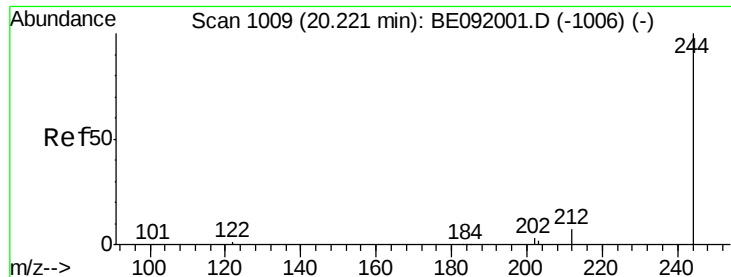


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

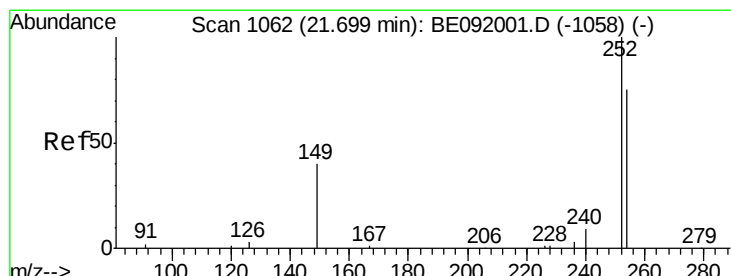
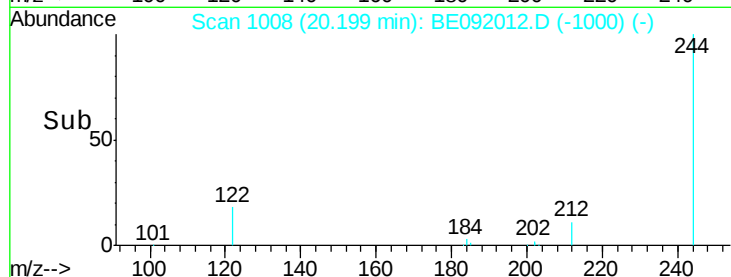
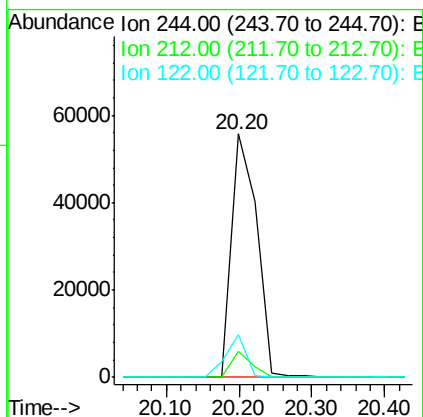
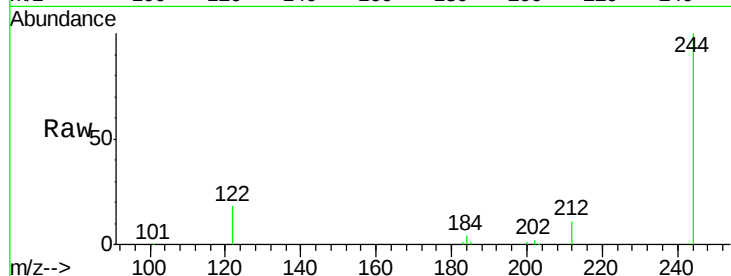




#34
 Terphenyl-d14
 Concen: 5.37 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. -0.02 min
 Lab File: BE092012.D
 Acq: 22 Jul 2016 18:49

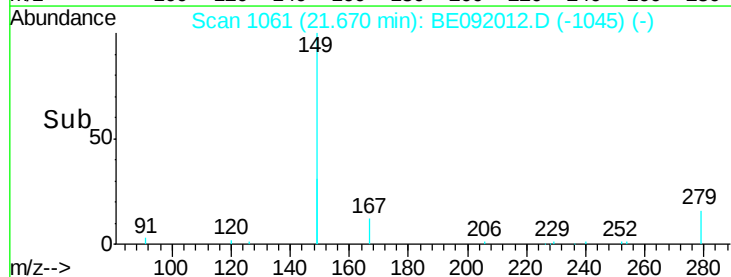
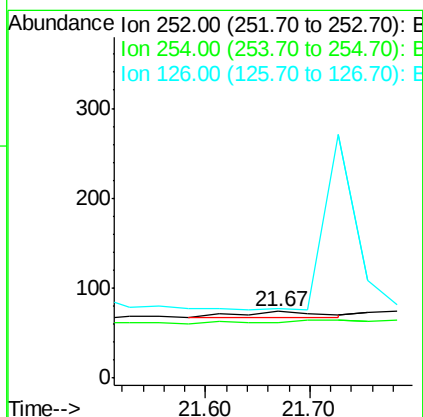
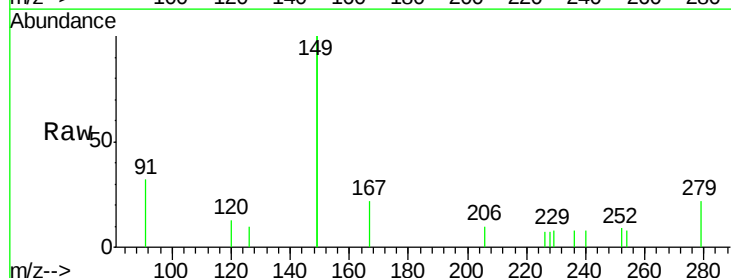
Instrument :
 BNA_E
 ClientSampleId :
 GW-03-6.0-14.0

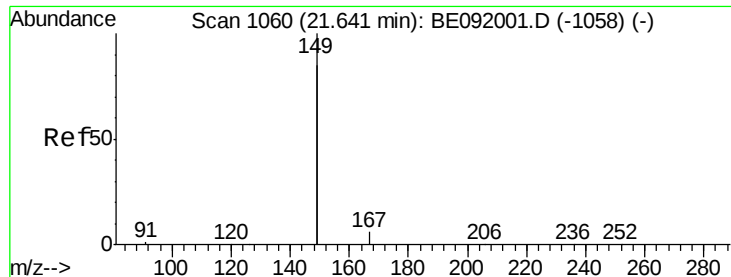
Tgt Ion: 244 Resp: 133731
 Ion Ratio Lower Upper
 244 100
 212 10.8 6.5 9.7#
 122 17.7 2.9 4.3#



#36
 3,3'-Dichlorobenzidine
 Concen: 0.02 ng
 RT: 21.67 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BE092012.D
 Acq: 22 Jul 2016 18:49

Tgt Ion: 252 Resp: 34
 Ion Ratio Lower Upper
 252 100
 254 83.8 61.5 92.3
 126 105.4 2.5 3.7#

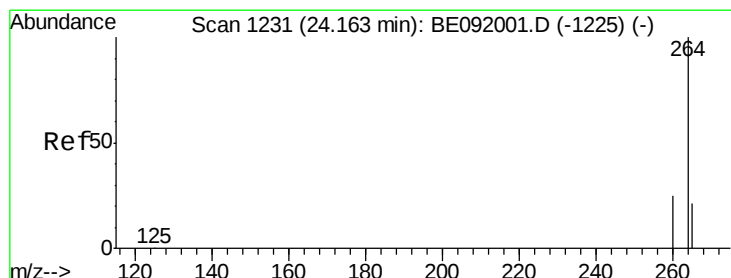
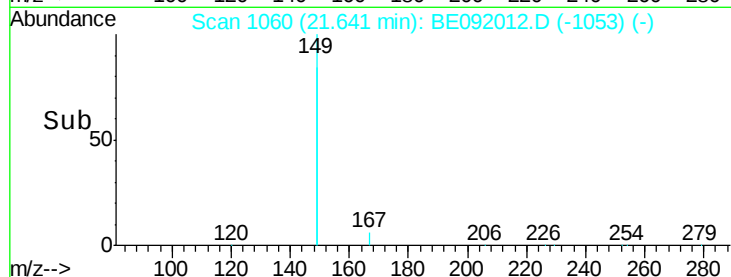
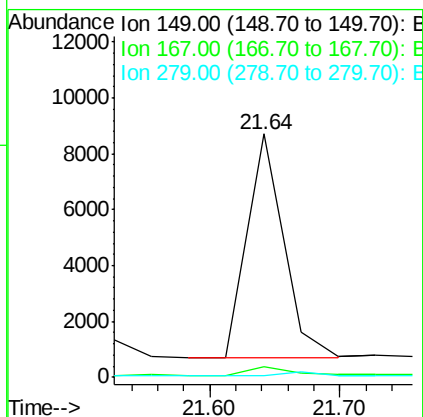
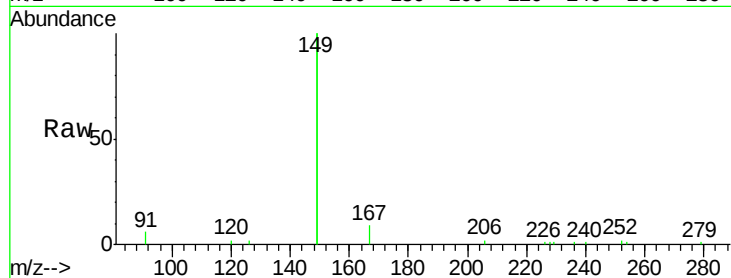




#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.39 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092012.D
 Acq: 22 Jul 2016 18:49

Instrument :
 BNA_E
 ClientSampleId :
 GW-03-6.0-14.0

Tgt Ion:149 Resp: 15423
 Ion Ratio Lower Upper
 149 100
 167 4.3 0.0 0.0#
 279 0.0 0.0 0.0



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE092012.D
 Acq: 22 Jul 2016 18:49

Tgt Ion:264 Resp: 183043
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.3 30.5
 265 21.4 17.6 26.4

