

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092019.D
 Acq On : 22 Jul 2016 23:21
 Operator : UM/SJ
 Sample : H4120-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-07-6.0-15.0

Quant Time: Jul 23 01:33:51 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	25943	5.00	ng	0.00
8) Naphthalene-d8	11.00	136	130363	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	84705	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	192247	5.00	ng	0.00
31) Chrysene-d12	21.76	240	248249	5.00	ng	0.00
40) Perylene-d12	24.16	264	185483	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	13741	2.73	ng	0.00
5) Phenol-d6	7.35	99	13005	1.55	ng	-0.02
9) Nitrobenzene-d5	9.37	82	25807	3.29	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	16517	5.67	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	72909	3.27	ng	-0.01
34) Terphenyl-d14	20.20	244	125215	5.02	ng	-0.02

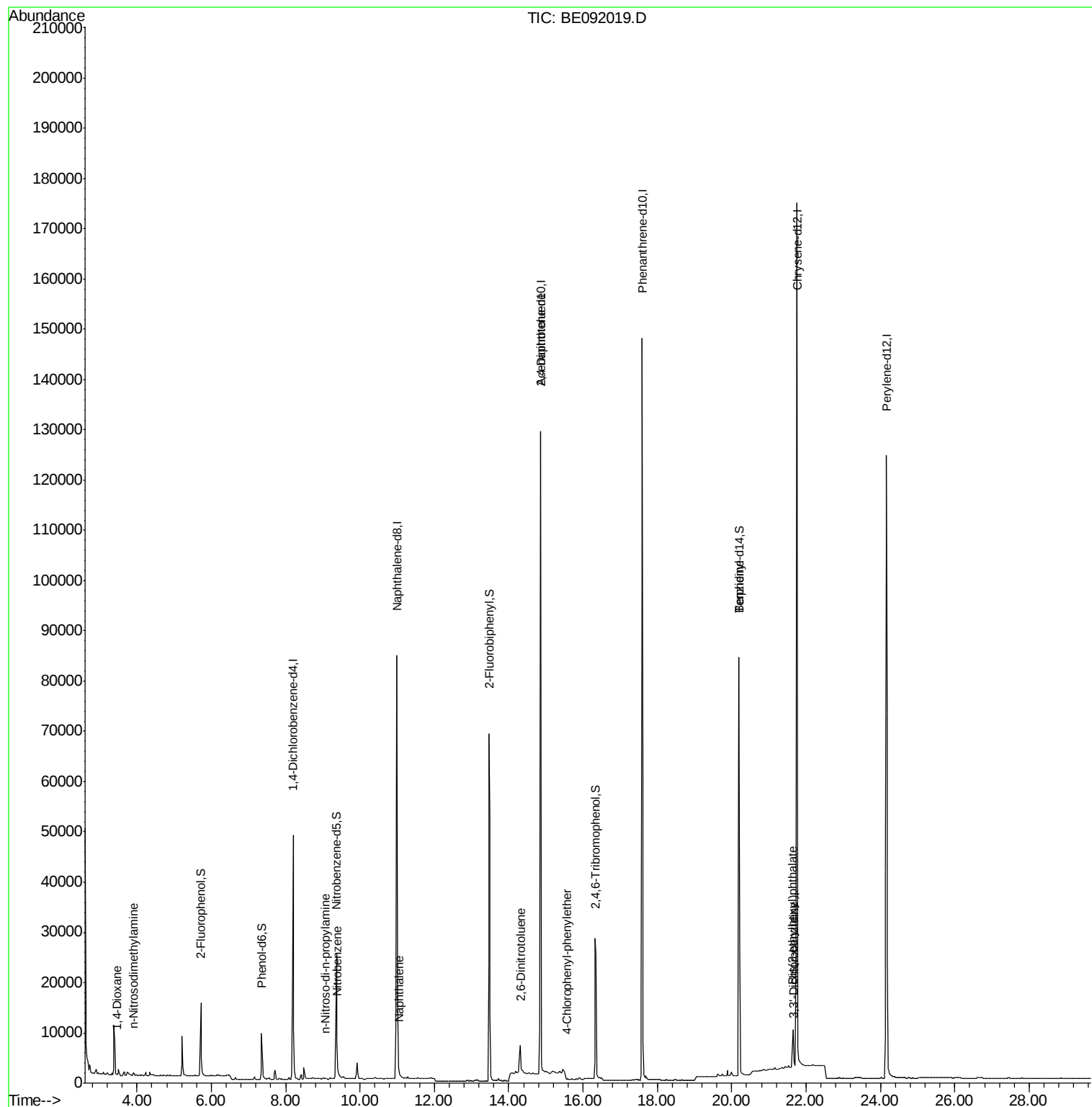
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	104	0.03	ng	# 19
3) n-Nitrosodimethylamine	3.90	42	176	0.12	ng	# 1
7) n-Nitroso-di-n-propylamine	9.08	70	370	0.06	ng	# 59
10) Nitrobenzene	9.38	77	453	0.17	ng	# 1
12) Naphthalene	11.05	128	1648	0.06	ng	# 71
19) 2,6-Dinitrotoluene	14.31	165	5293	0.38	ng	# 38
21) 2,4-Dinitrotoluene	14.86	165	49410	2.23	ng	# 1
23) 4-Chlorophenyl-phenylether	15.57	204	567	0.04	ng	# 1
32) Benzidine	20.20	184	2358	0.37	ng	# 67
36) 3,3'-Dichlorobenzidine	21.67	252	112	0.03	ng	# 78
38) Bis(2-ethylhexyl)phthalate	21.64	149	13842	0.35	ng	# 100

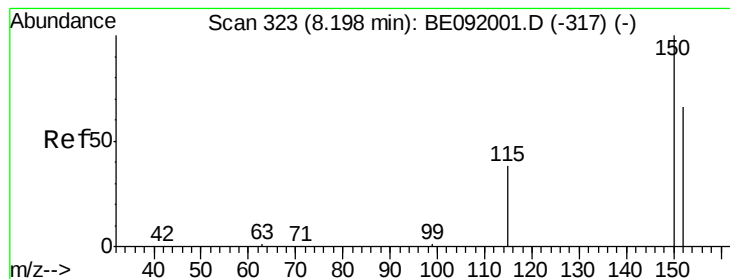
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092019.D
Acq On : 22 Jul 2016 23:21
Operator : UM/SJ
Sample : H4120-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-07-6.0-15.0

Quant Time: Jul 23 01:33:51 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

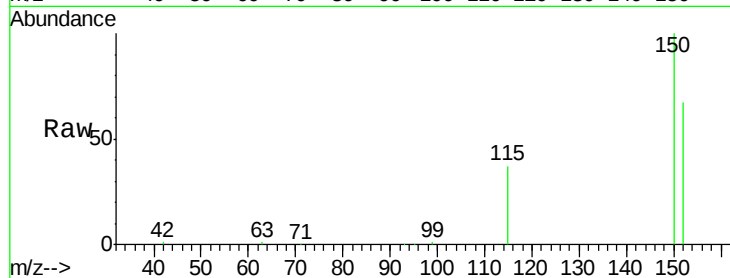
Tgt Ion:152 Resp: 25943

Ion Ratio Lower Upper

152 100

150 149.3 123.9 185.9

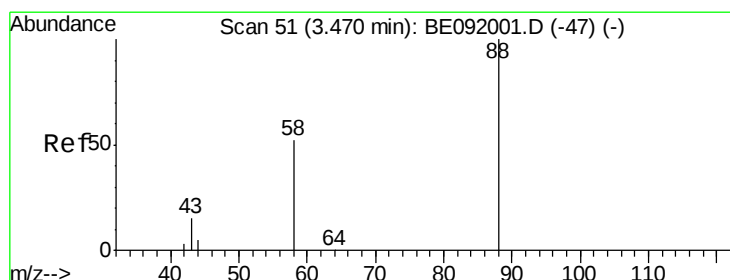
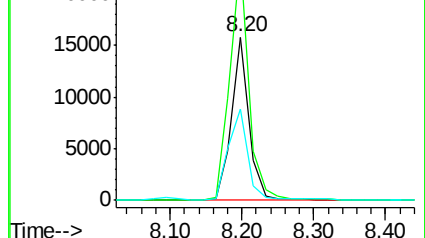
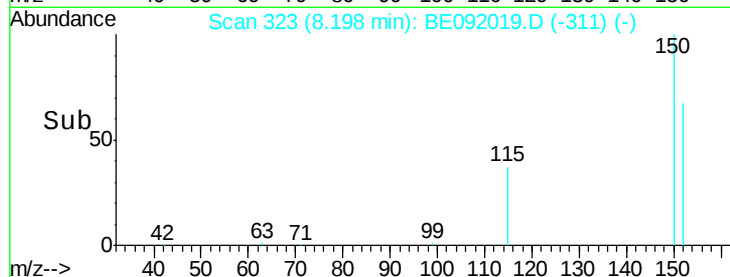
115 55.7 48.3 72.5



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: 0.03 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

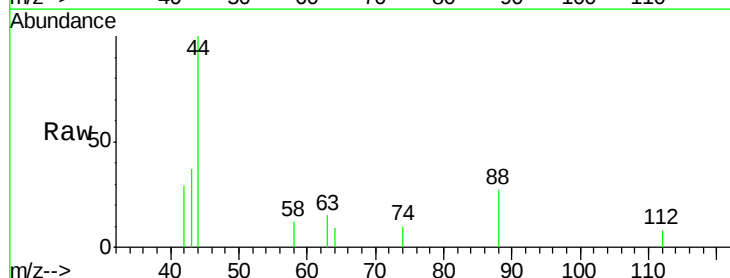
Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

58 0.0 63.0 94.4#

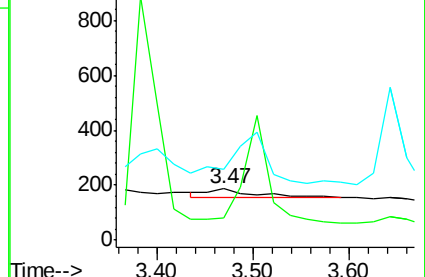
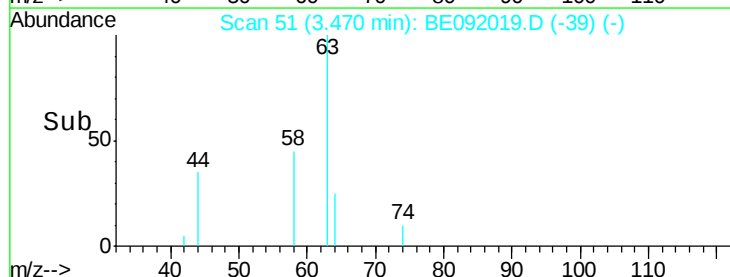
43 0.0 29.1 43.7#

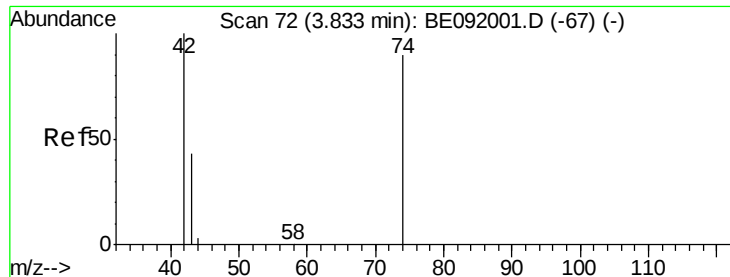


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.90 min Scan# 76

Delta R.T. 0.07 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

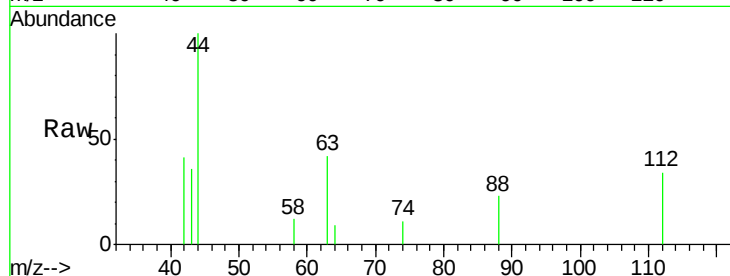
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

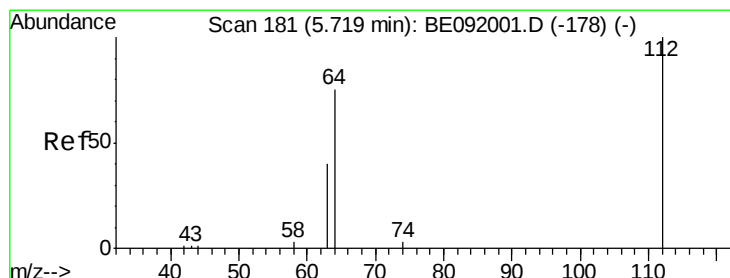
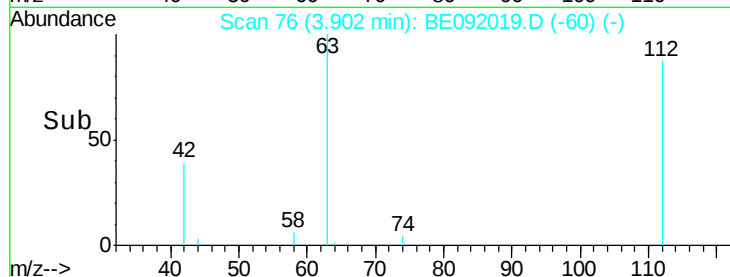
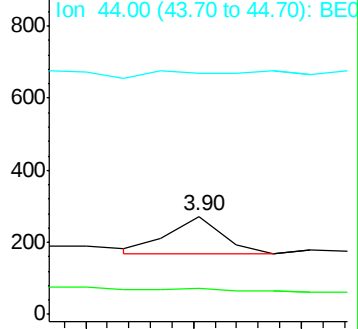
44 26.1 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.73 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

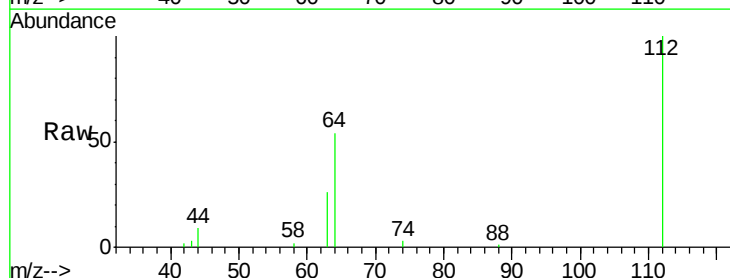
Tgt Ion: 112 Resp: 13741

Ion Ratio Lower Upper

112 100

64 67.5 53.7 80.5

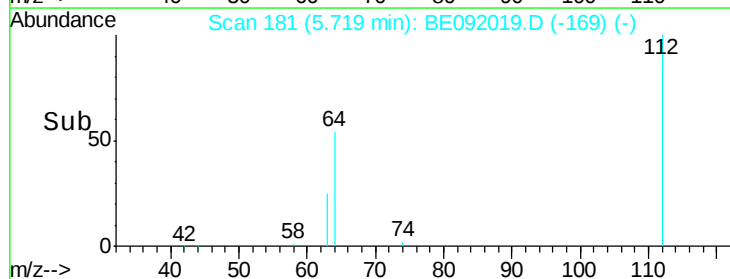
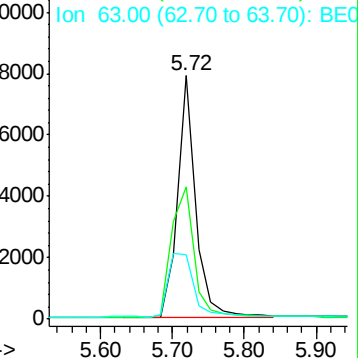
63 37.1 29.5 44.3

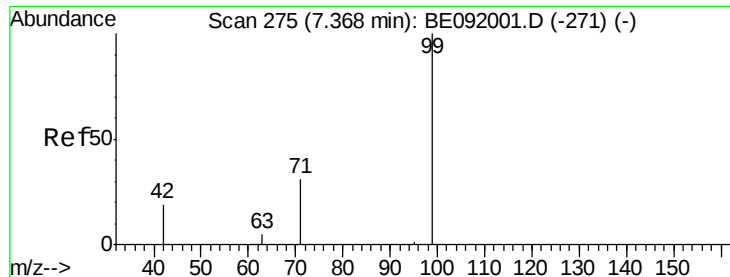


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.55 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

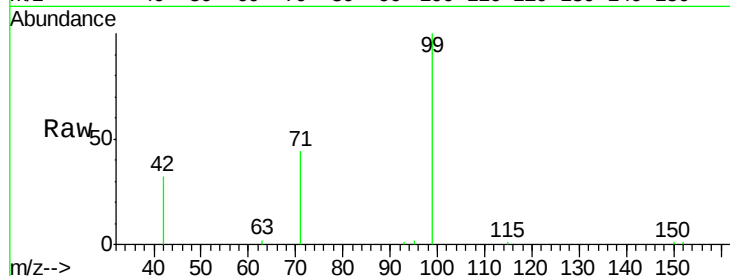
Tgt Ion: 99 Resp: 13005

Ion Ratio Lower Upper

99 100

42 25.3 19.6 29.4

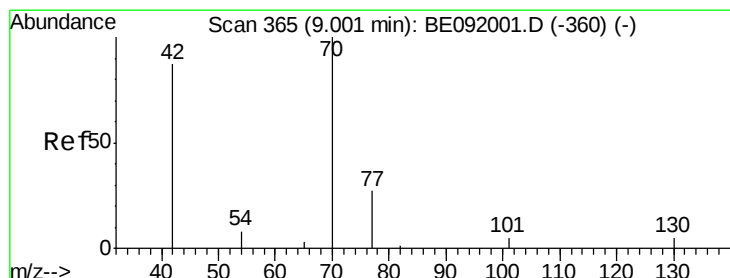
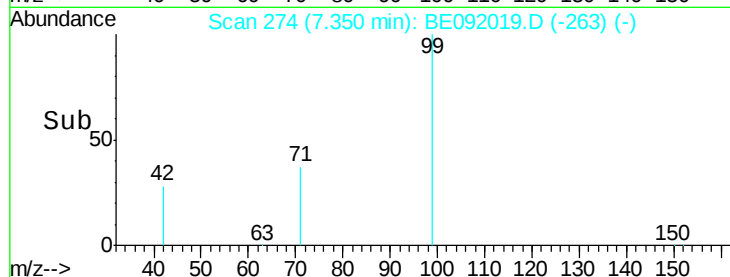
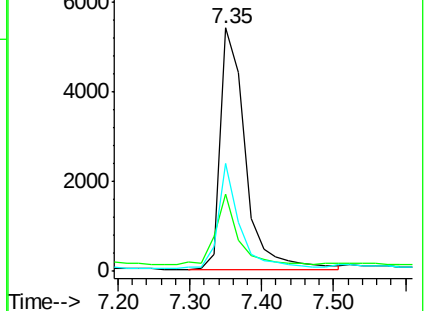
71 38.2 28.1 42.1



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: 0.06 ng

RT: 9.08 min Scan# 369

Delta R.T. 0.08 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Tgt Ion: 70 Resp: 370

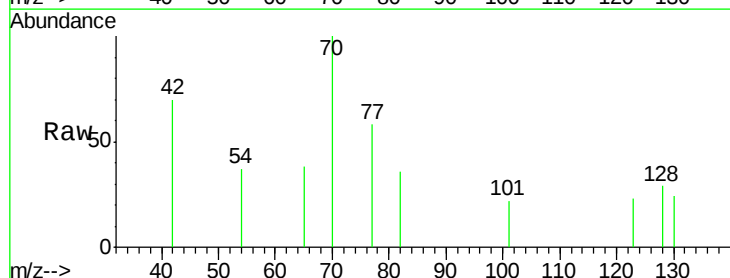
Ion Ratio Lower Upper

70 100

42 36.5 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

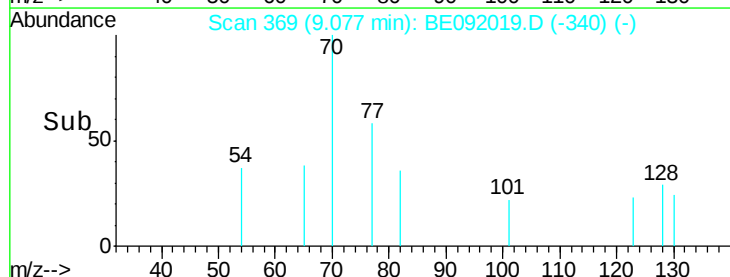
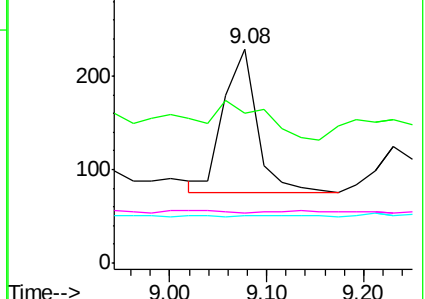


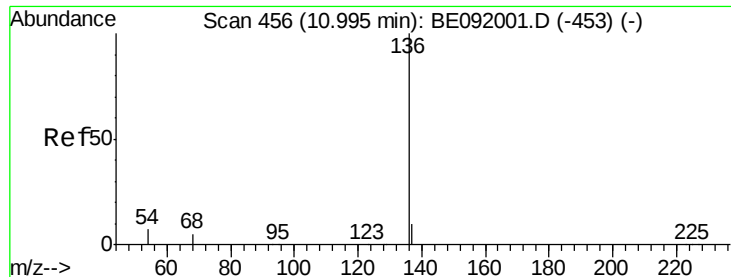
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.00 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

Tgt Ion: 136 Resp: 130363

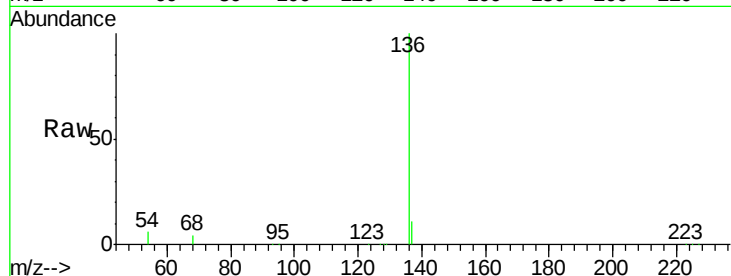
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 5.7 8.2 12.4#

68 4.4 5.9 8.9#

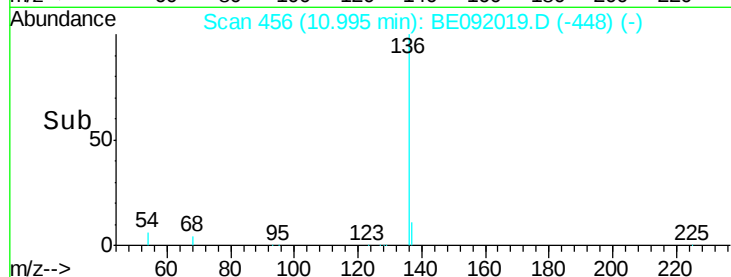


Abundance Ion 136.00 (135.70 to 136.70): E

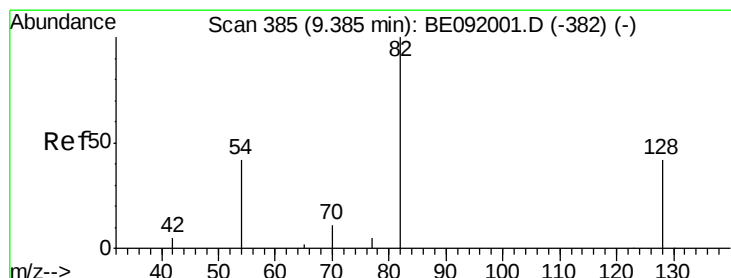
Ion 137.00 (136.70 to 137.70): E

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



#9

Nitrobenzene-d5

Concen: 3.29 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

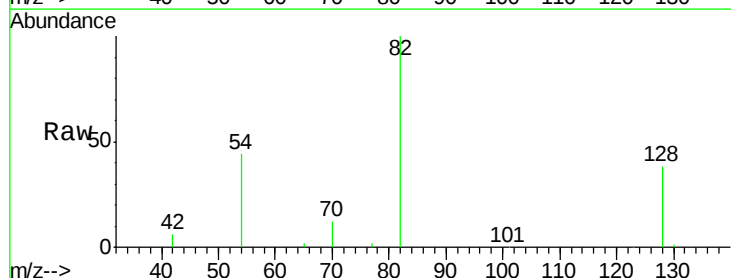
Tgt Ion: 82 Resp: 25807

Ion Ratio Lower Upper

82 100

128 38.0 39.5 59.3#

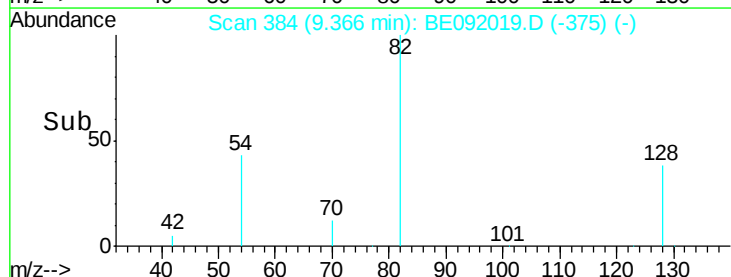
54 43.8 30.3 45.5



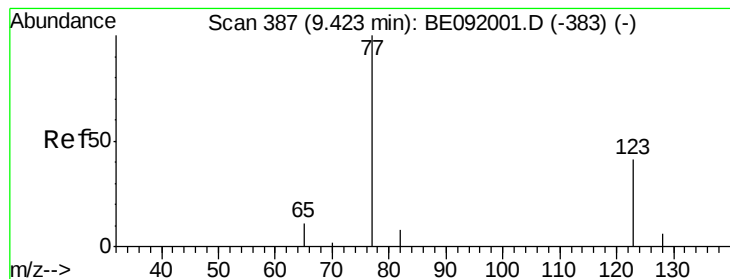
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 9.20 9.40



#10

Nitrobenzene

Concen: 0.17 ng

RT: 9.38 min Scan# 385

Delta R.T. -0.04 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

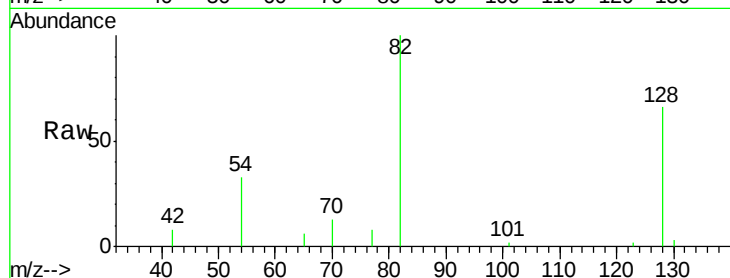
Tgt Ion: 77 Resp: 453

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

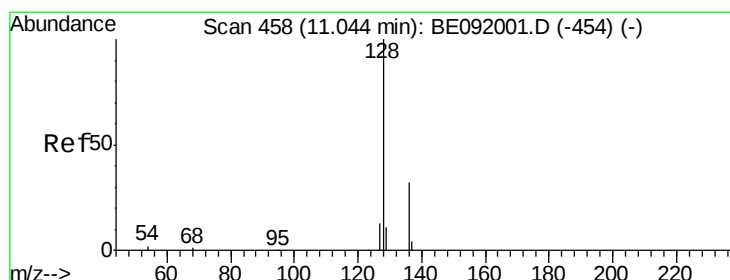
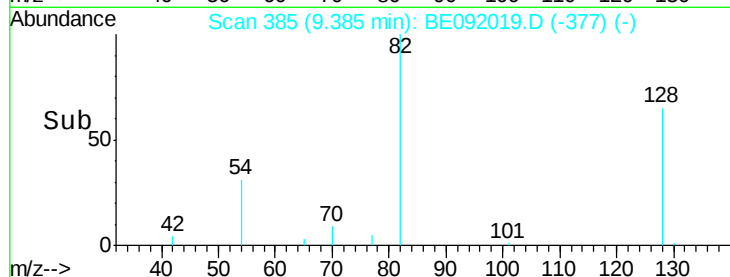
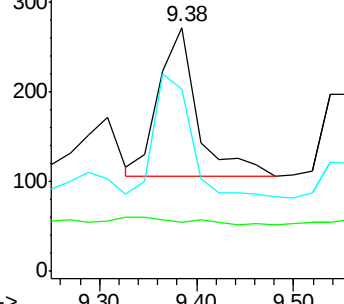
65 79.5 11.1 16.7#



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



#12

Naphthalene

Concen: 0.06 ng

RT: 11.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

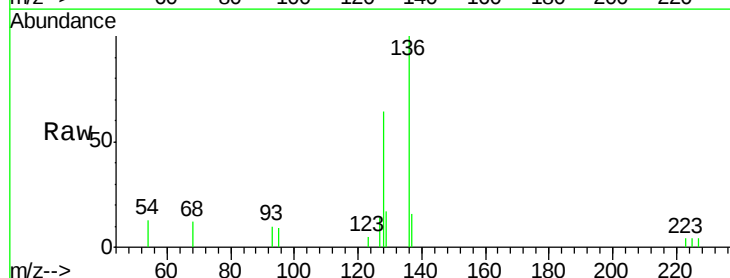
Tgt Ion: 128 Resp: 1648

Ion Ratio Lower Upper

128 100

129 27.0 10.4 15.6#

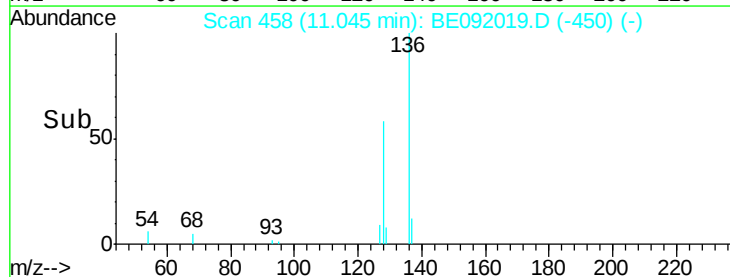
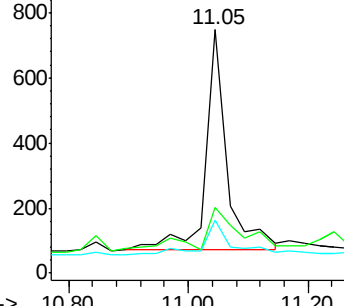
127 21.7 10.2 15.2#

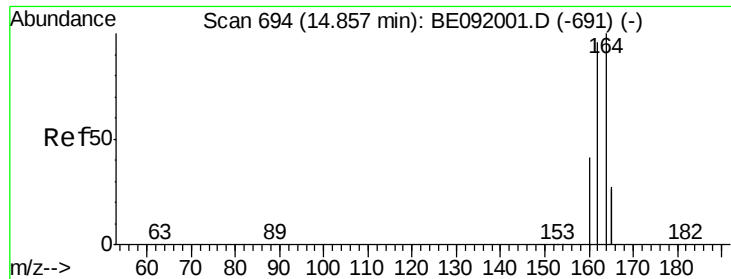


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

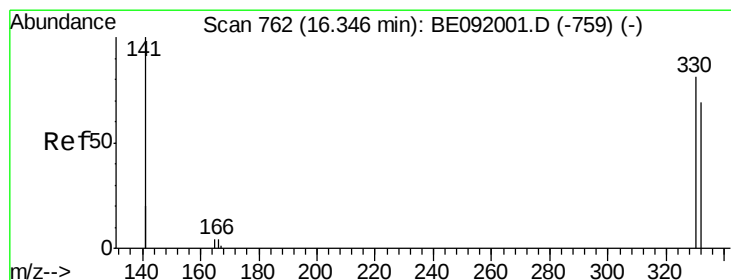
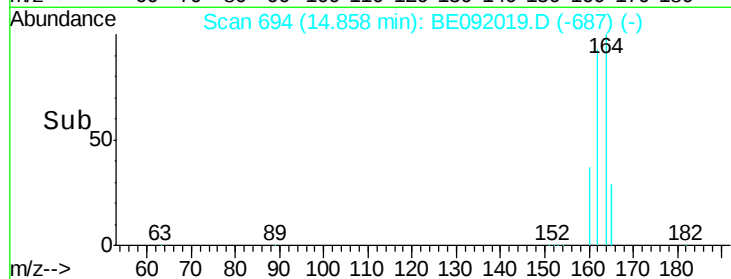
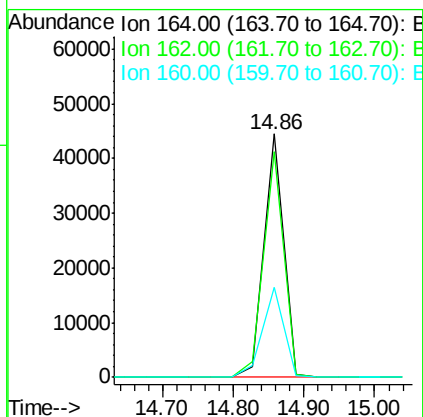
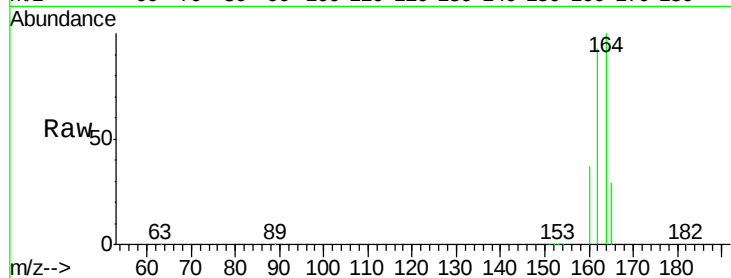




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE092019.D
 Acq: 22 Jul 2016 23:21

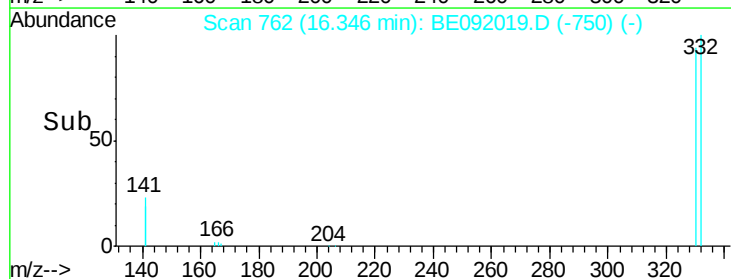
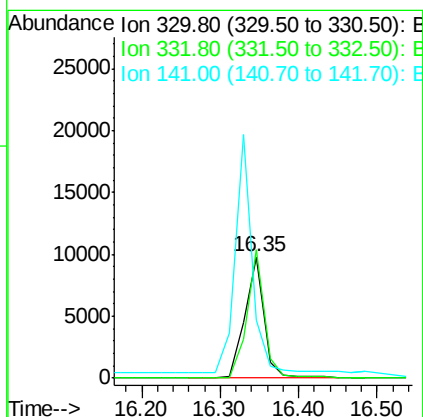
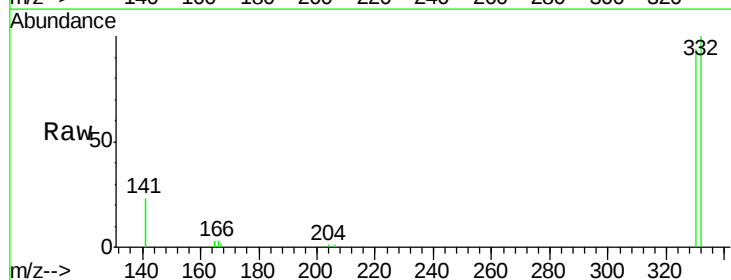
Instrument :
 BNA_E
 ClientSampleId :
 GW-07-6.0-15.0

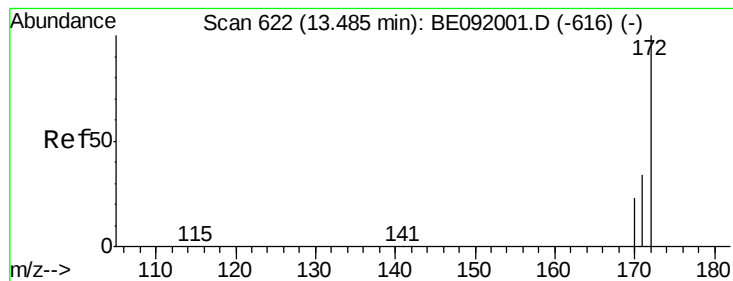
Tgt Ion:164 Resp: 84705
 Ion Ratio Lower Upper
 164 100
 162 92.5 71.8 107.8
 160 37.0 28.0 42.0



#16
 2,4,6-Tribromophenol
 Concen: 5.67 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092019.D
 Acq: 22 Jul 2016 23:21

Tgt Ion:330 Resp: 16517
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 175.1 138.4 207.6

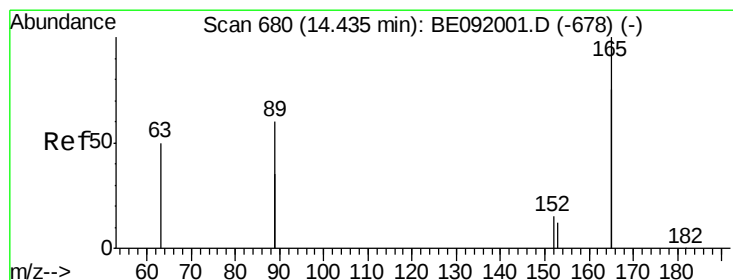
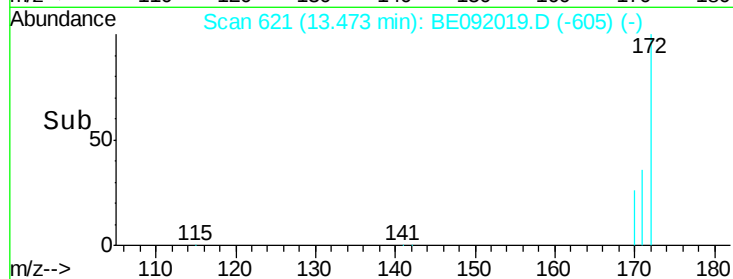
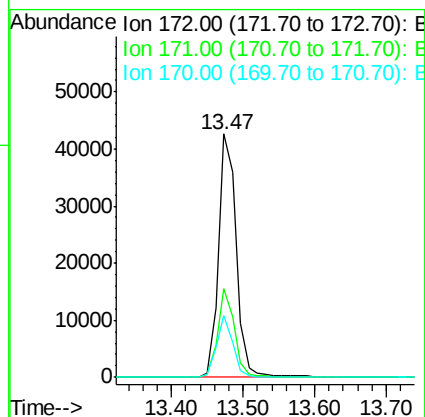
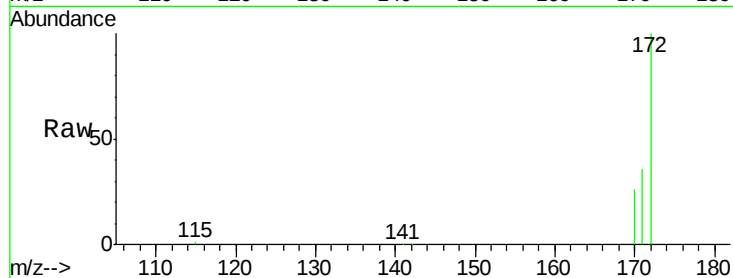




#17
 2-Fluorobiphenyl
 Concen: 3.27 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092019.D
 Acq: 22 Jul 2016 23:21

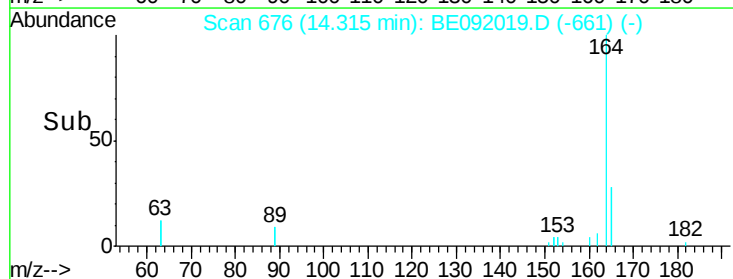
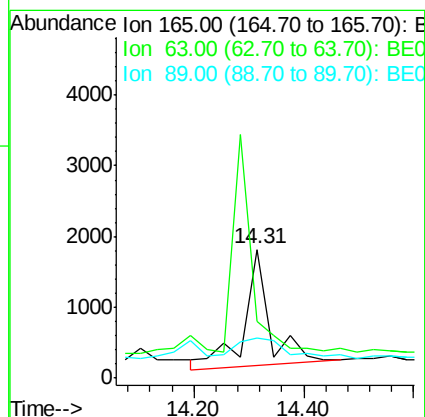
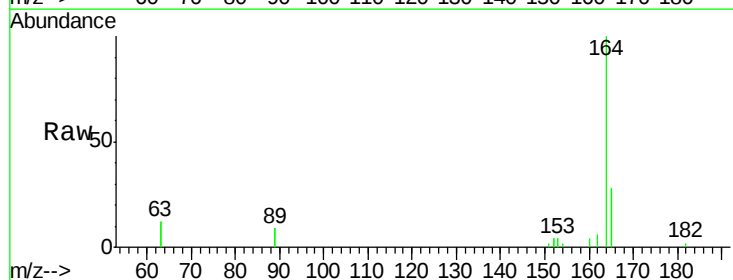
Instrument :
 BNA_E
 ClientSampleId :
 GW-07-6.0-15.0

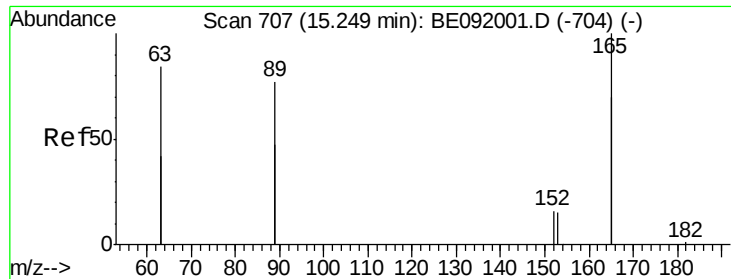
Tgt Ion:172 Resp: 72909
 Ion Ratio Lower Upper
 172 100
 171 36.4 24.3 36.5
 170 25.7 14.9 22.3#



#19
 2,6-Dinitrotoluene
 Concen: 0.38 ng
 RT: 14.31 min Scan# 676
 Delta R.T. -0.12 min
 Lab File: BE092019.D
 Acq: 22 Jul 2016 23:21

Tgt Ion:165 Resp: 5293
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 50.3 59.1 88.7#

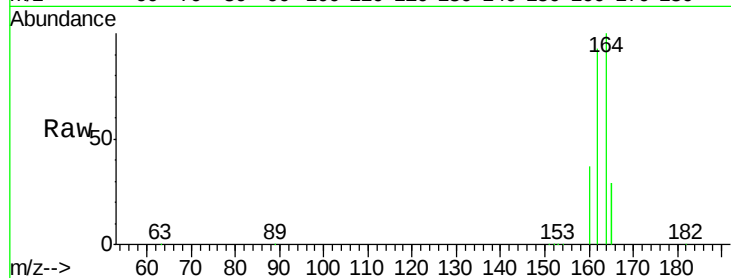




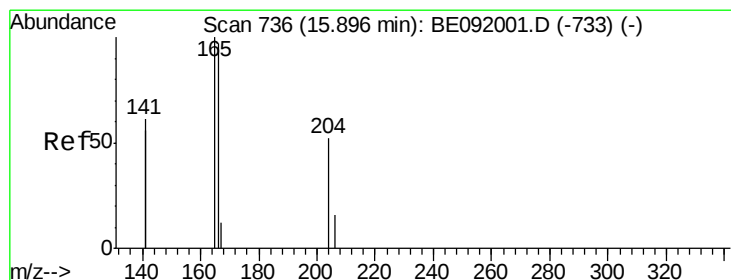
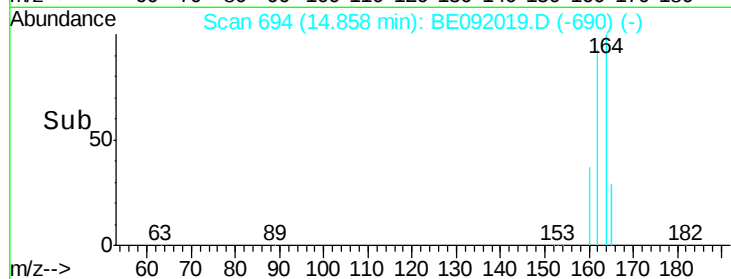
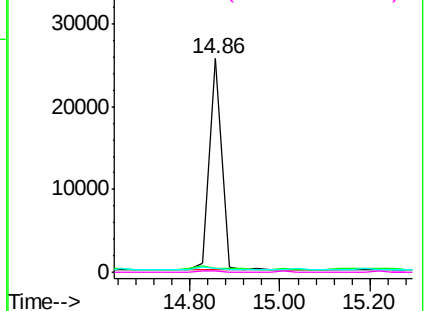
#21
2,4-Dinitrotoluene
Concen: 2.23 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE092019.D
Acq: 22 Jul 2016 23:21

Instrument :
BNA_E
ClientSampleId :
GW-07-6.0-15.0

Tgt Ion:165 Resp: 49410
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.3 0.0 0.0#

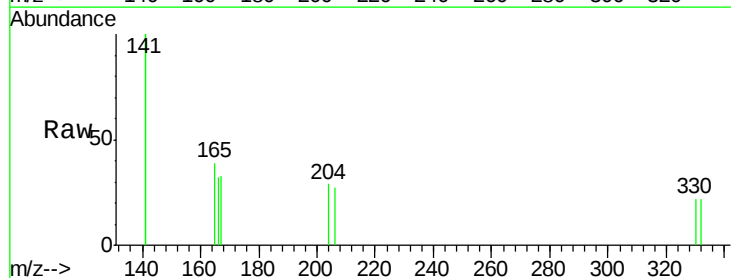


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

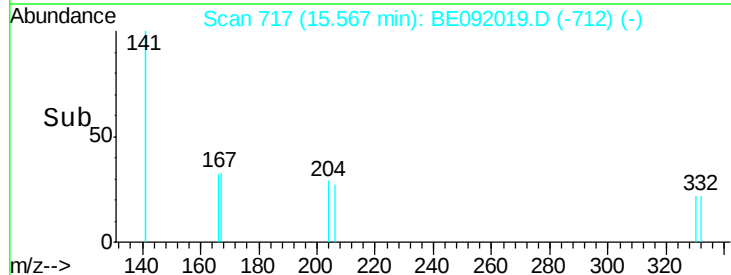
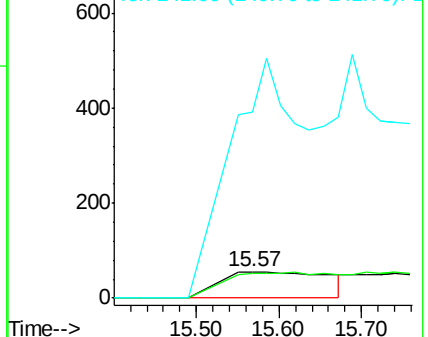


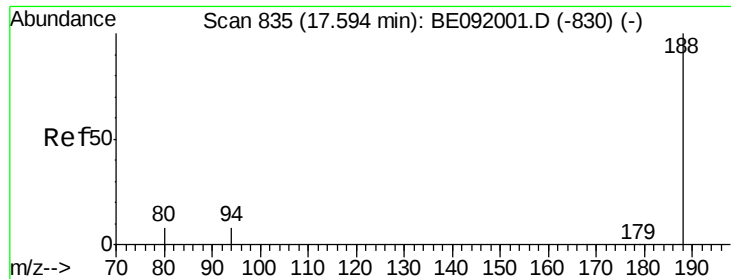
#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.57 min Scan# 717
Delta R.T. -0.33 min
Lab File: BE092019.D
Acq: 22 Jul 2016 23:21

Tgt Ion:204 Resp: 567
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 619.9 197.6 296.4#



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

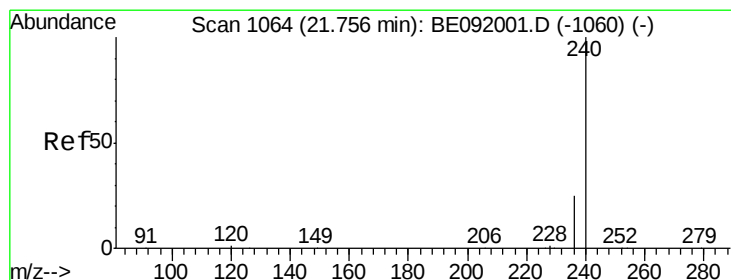
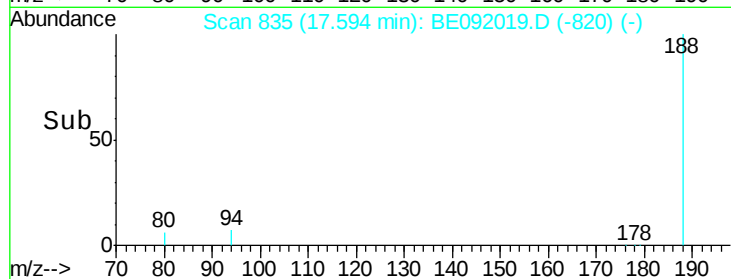
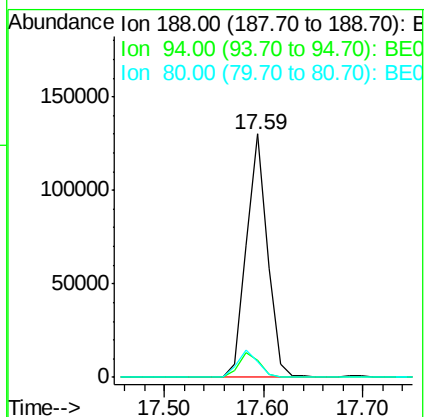
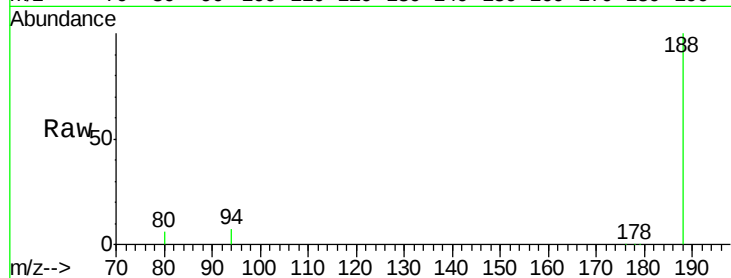




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE092019.D
Acq: 22 Jul 2016 23:21

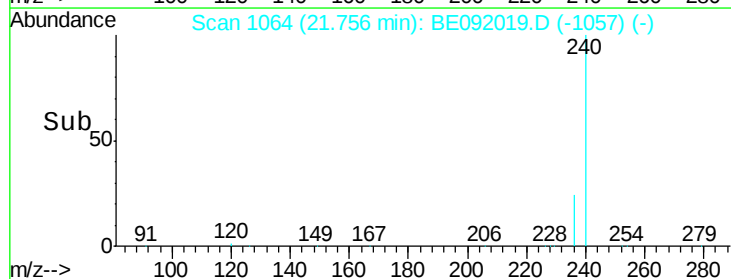
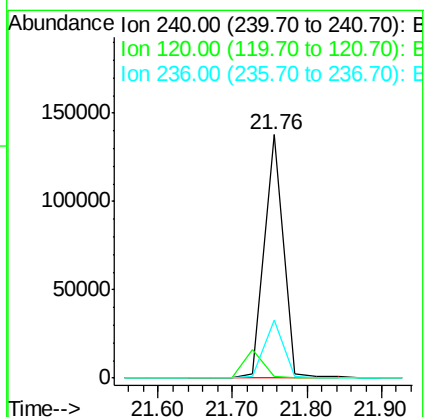
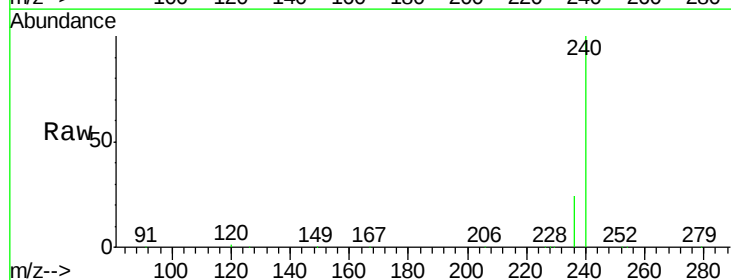
Instrument :
BNA_E
ClientSampleId :
GW-07-6.0-15.0

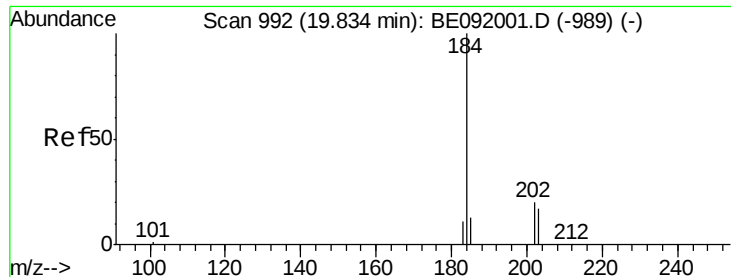
Tgt Ion:188 Resp: 192247
Ion Ratio Lower Upper
188 100
94 7.1 4.1 6.1#
80 6.4 3.4 5.2#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE092019.D
Acq: 22 Jul 2016 23:21

Tgt Ion:240 Resp: 248249
Ion Ratio Lower Upper
240 100
120 0.7 1.2 1.8#
236 23.7 19.8 29.8





#32

Benzidine

Concen: 0.37 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

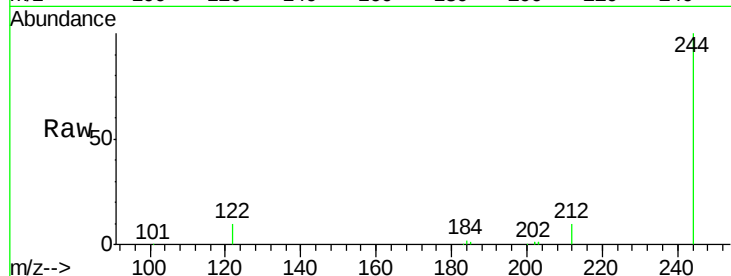
Tgt Ion:184 Resp: 2358

Ion Ratio Lower Upper

184 100

185 37.5 11.4 17.2#

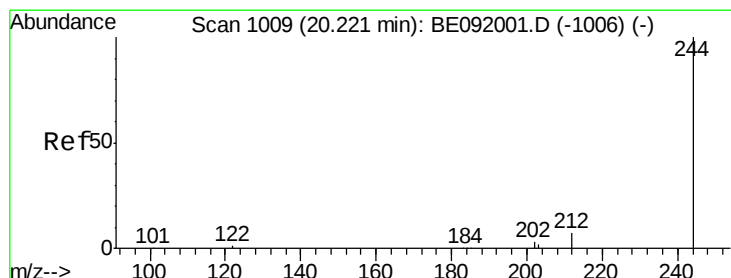
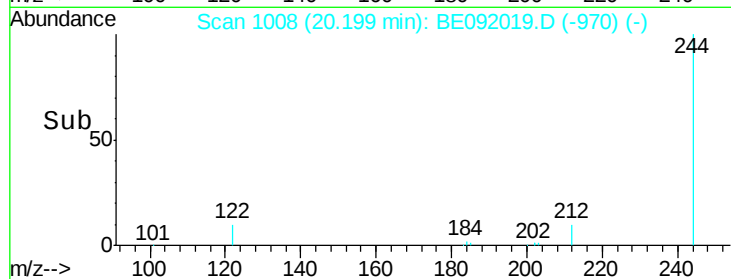
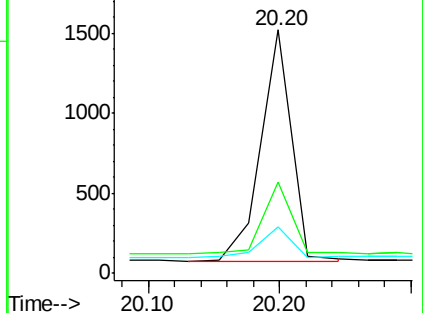
183 18.9 11.8 17.6#



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: 5.02 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092019.D

Acq: 22 Jul 2016 23:21

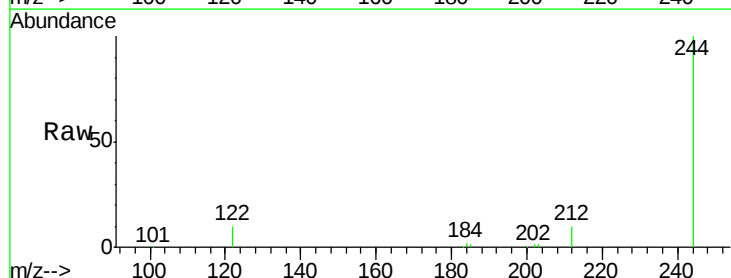
Tgt Ion:244 Resp: 125215

Ion Ratio Lower Upper

244 100

212 10.2 6.5 9.7#

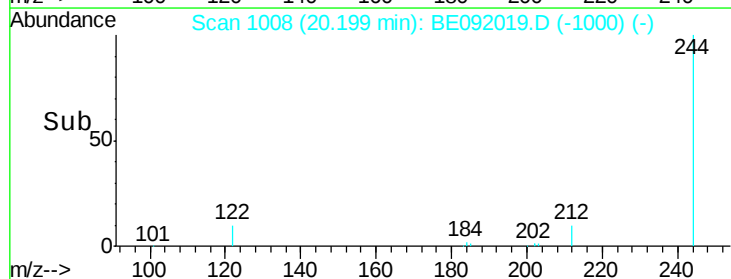
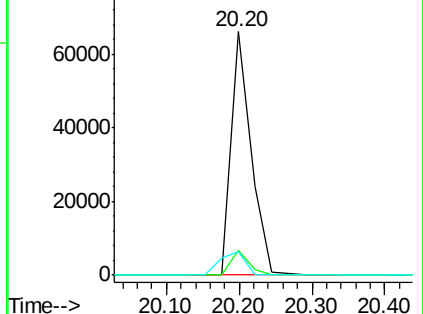
122 9.7 2.9 4.3#

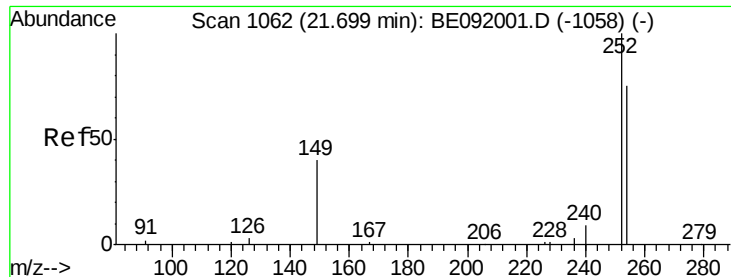


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

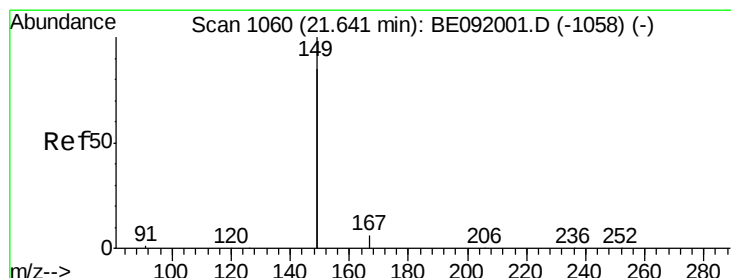
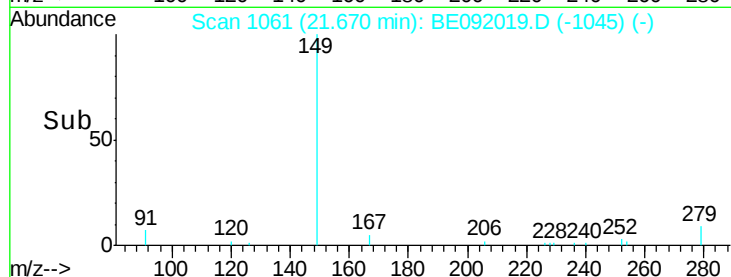
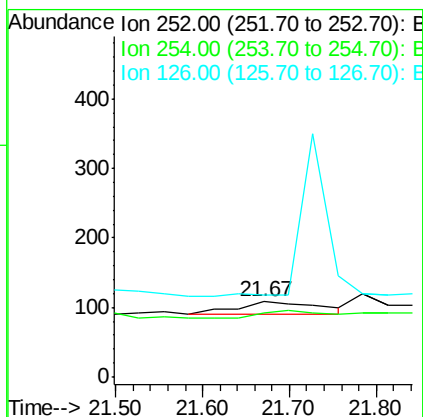
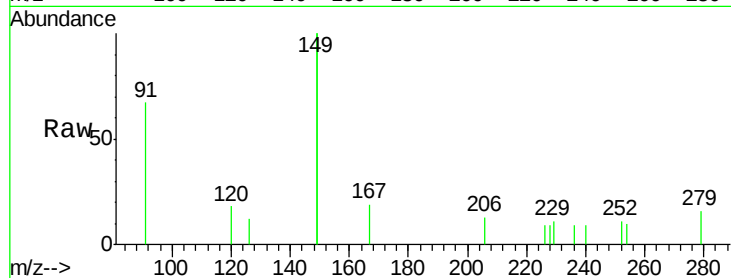




#36
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 21.67 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BE092019.D
 Acq: 22 Jul 2016 23:21

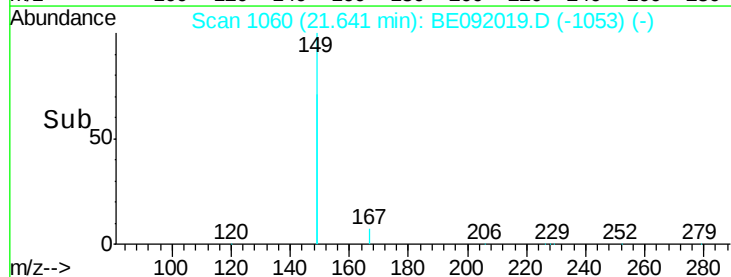
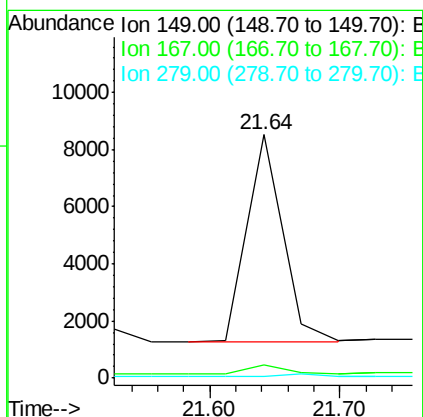
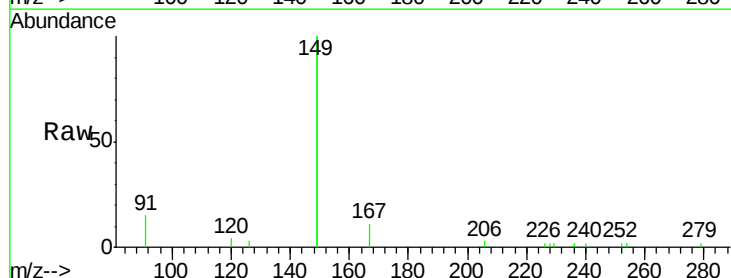
Instrument :
 BNA_E
 ClientSampleId :
 GW-07-6.0-15.0

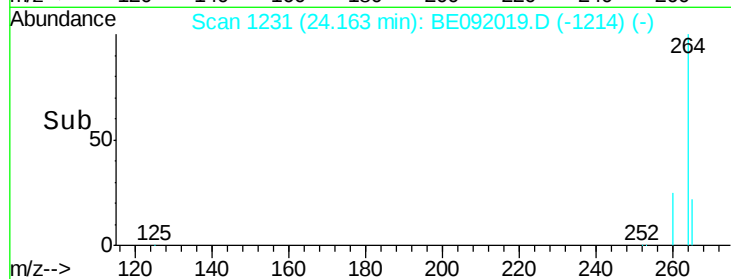
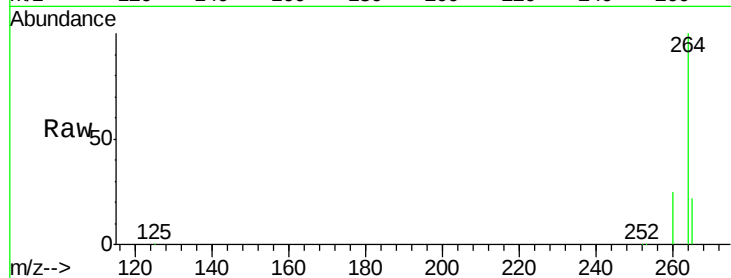
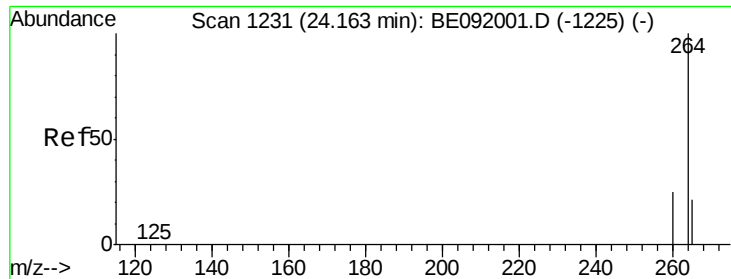
Tgt Ion: 252 Resp: 112
 Ion Ratio Lower Upper
 252 100
 254 85.2 61.5 92.3
 126 109.3 2.5 3.7#



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.35 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092019.D
 Acq: 22 Jul 2016 23:21

Tgt Ion: 149 Resp: 13842
 Ion Ratio Lower Upper
 149 100
 167 4.7 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: BE092019.D

Acq: 22 Jul 2016 23:21

Instrument :

BNA_E

ClientSampleId :

GW-07-6.0-15.0

Tgt Ion: 264 Resp: 185483

Ion Ratio Lower Upper

264 100

260 24.6 20.3 30.5

265 22.1 17.6 26.4

