

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092020.D
 Acq On : 22 Jul 2016 00:00
 Operator : UM/SJ
 Sample : H4120-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-08-6.0-15.0

Quant Time: Jul 23 01:34:03 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	27094	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	121909	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	72116	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	167384	5.00	ng	0.00
31) Chrysene-d12	21.76	240	211132	5.00	ng	0.00
40) Perylene-d12	24.16	264	193384	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	13978	2.66	ng	0.00
5) Phenol-d6	7.35	99	13114	1.50	ng	-0.02
9) Nitrobenzene-d5	9.37	82	31662	4.32	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	5563	2.36	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	74244	3.92	ng	-0.01
34) Terphenyl-d14	20.20	244	120731	5.69	ng	-0.02

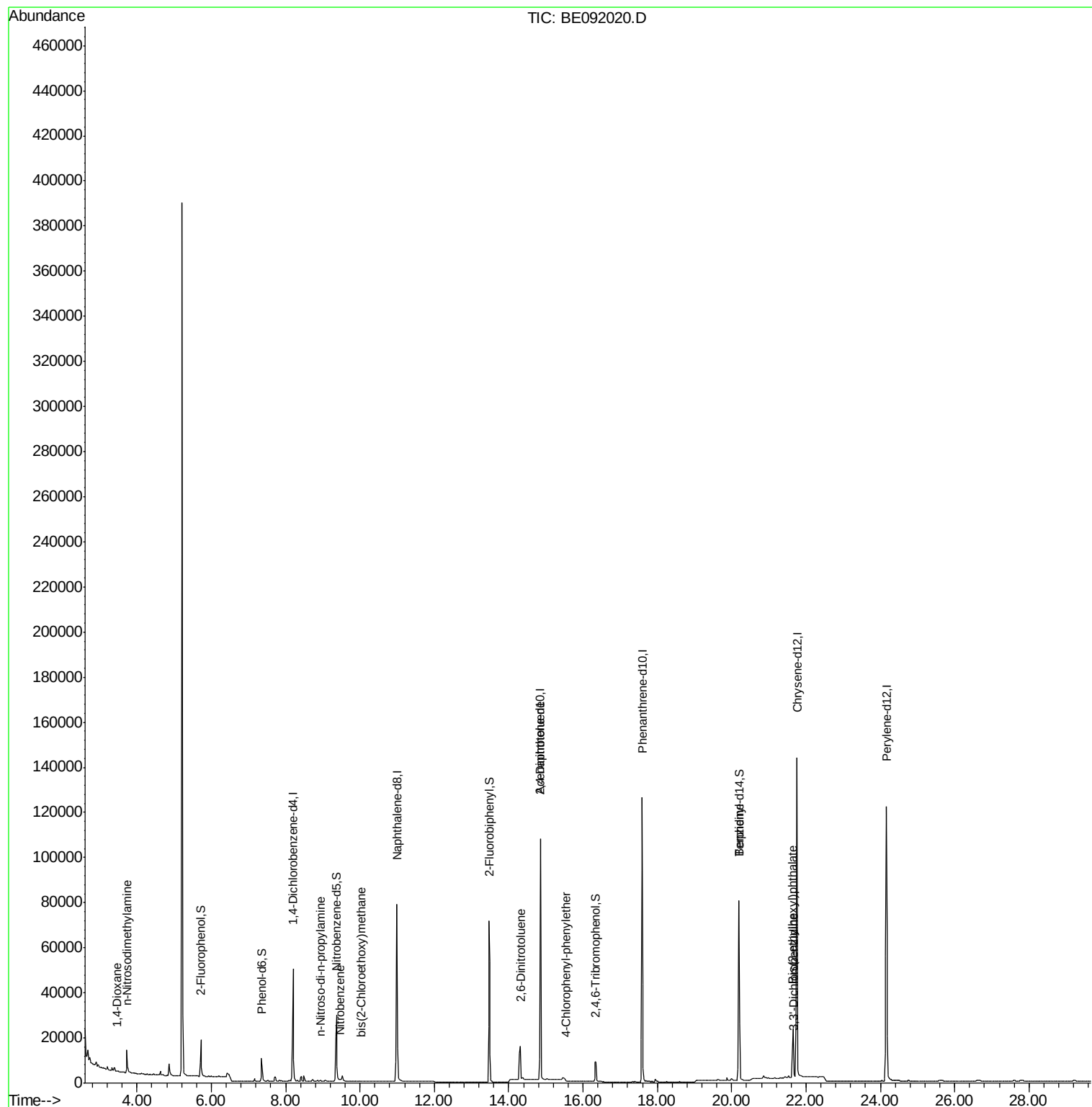
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	106	0.03	ng	# 19
3) n-Nitrosodimethylamine	3.73	42	2377	0.55	ng	# 1
7) n-Nitroso-di-n-propylamine	8.94	70	384	0.06	ng	# 65
10) Nitrobenzene	9.46	77	15	0.13	ng	# 66
11) bis(2-Chloroethoxy)methane	10.05	93	543	0.06	ng	# 17
19) 2,6-Dinitrotoluene	14.31	165	17051	0.96	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	41744	2.22	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	506	0.05	ng	# 1
32) Benzidine	20.20	184	2259	0.40	ng	# 71
36) 3,3'-Dichlorobenzidine	21.67	252	52	0.03	ng	# 79
38) Bis(2-ethylhexyl)phthalate	21.64	149	37461	0.97	ng	# 100

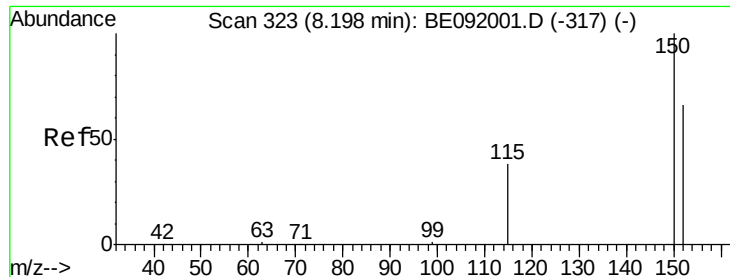
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

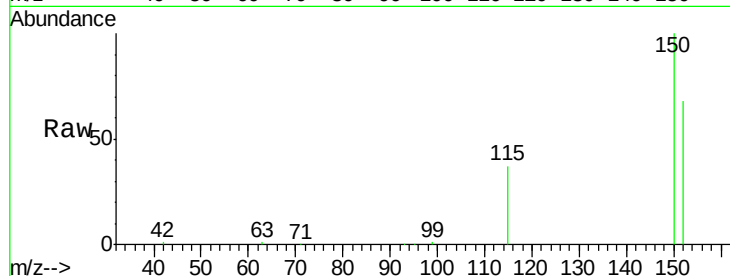
Tgt Ion:152 Resp: 27094

Ion Ratio Lower Upper

152 100

150 148.0 123.9 185.9

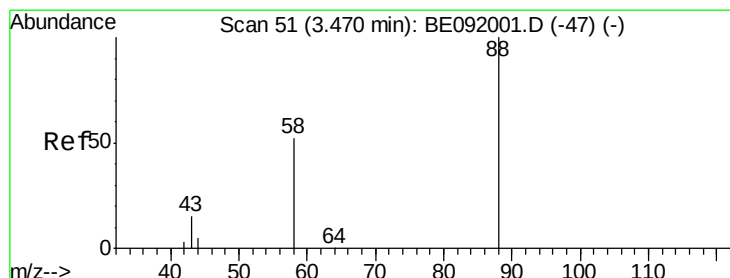
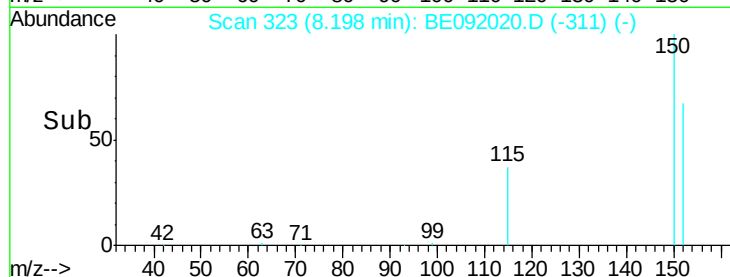
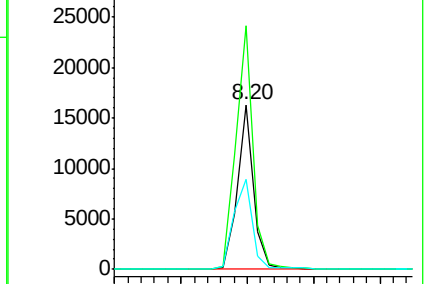
115 54.9 48.3 72.5



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: 3.45 min Scan# 50

Delta R.T. -0.02 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

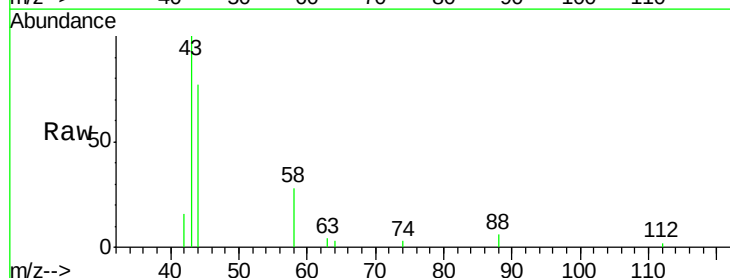
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

58 0.0 63.0 94.4#

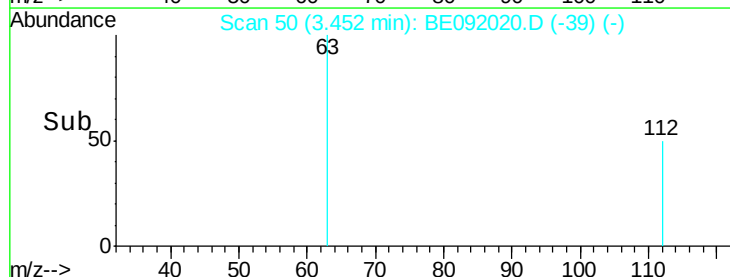
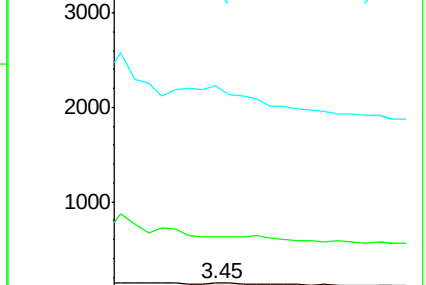
43 0.0 29.1 43.7#

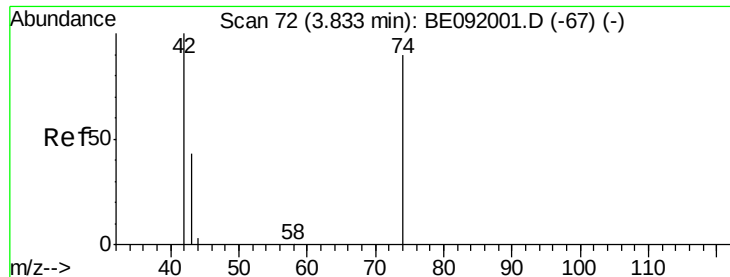


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.55 ng

RT: 3.73 min Scan# 66

Delta R.T. -0.10 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

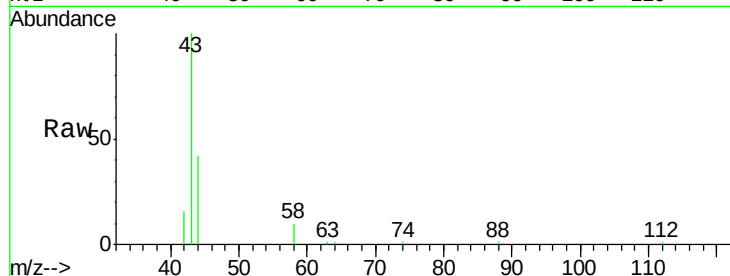
Tgt Ion: 42 Resp: 2377

Ion Ratio Lower Upper

42 100

74 1.0 93.4 140.0#

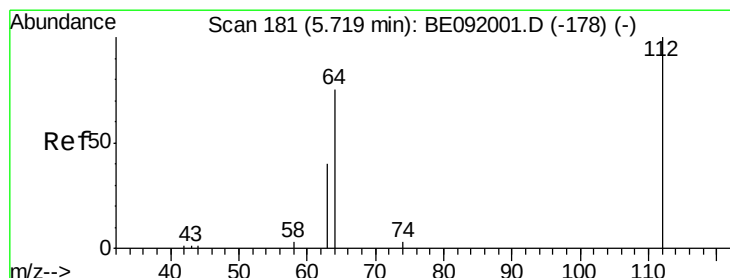
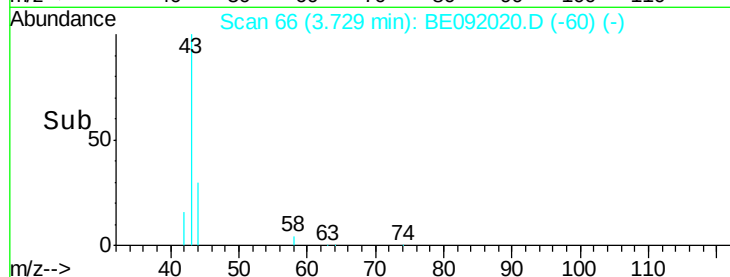
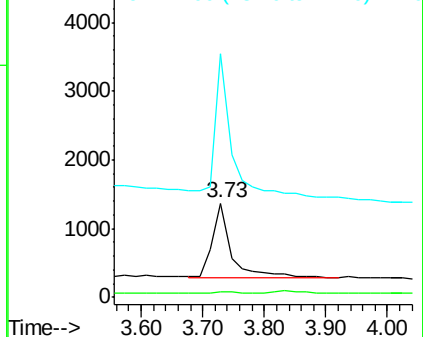
44 178.9 5.0 7.6#



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: 2.66 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

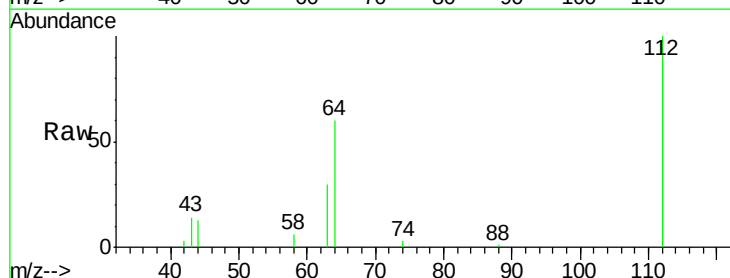
Tgt Ion: 112 Resp: 13978

Ion Ratio Lower Upper

112 100

64 67.0 53.7 80.5

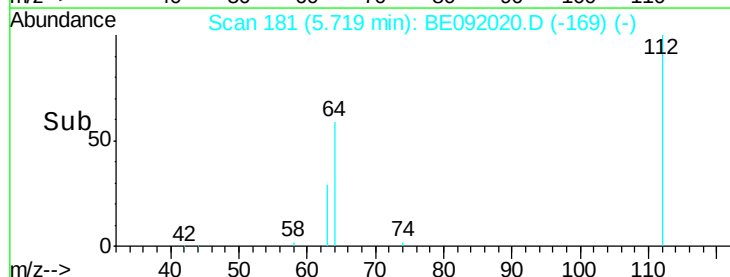
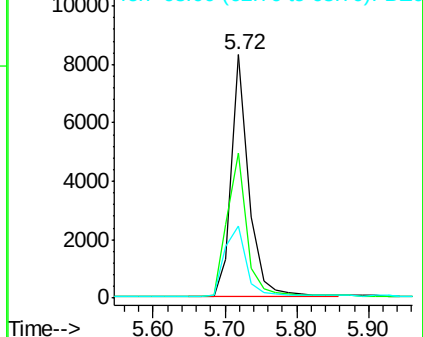
63 36.6 29.5 44.3

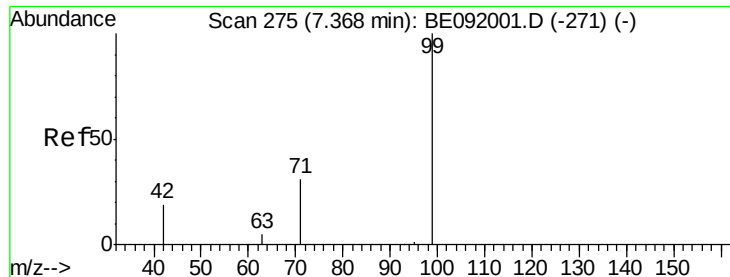


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.50 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

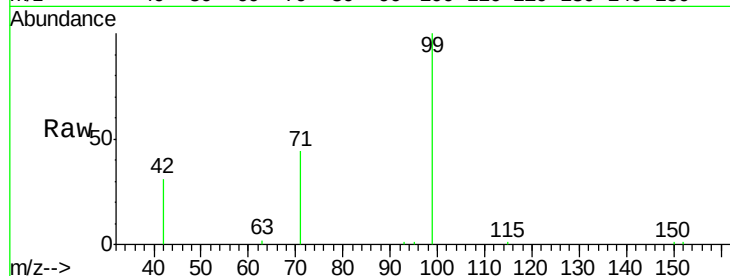
Tgt Ion: 99 Resp: 13114

Ion Ratio Lower Upper

99 100

42 25.5 19.6 29.4

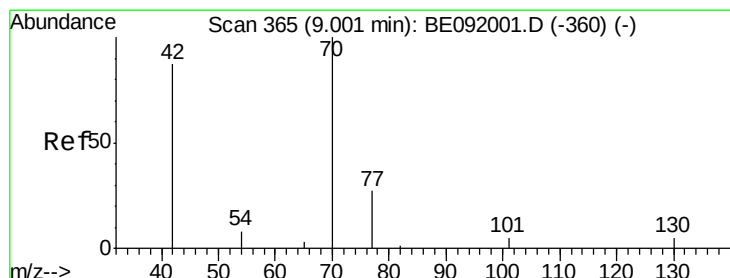
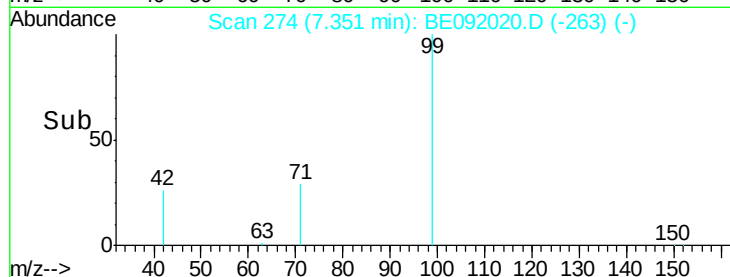
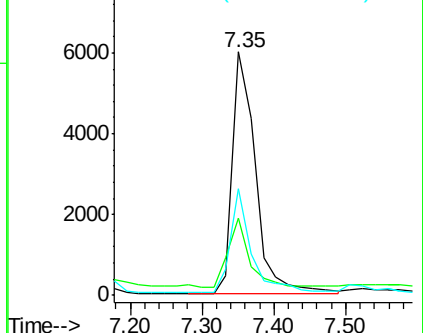
71 40.0 28.1 42.1



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: 8.94 min Scan# 362

Delta R.T. -0.06 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Tgt Ion: 70 Resp: 384

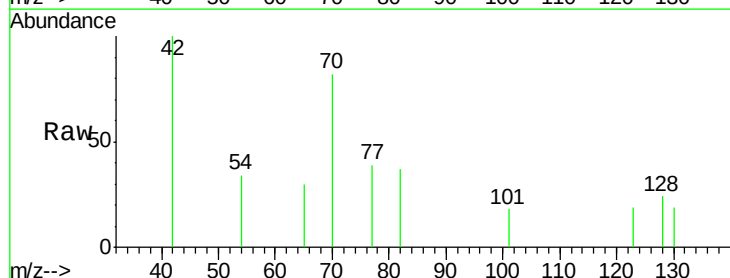
Ion Ratio Lower Upper

70 100

42 103.6 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

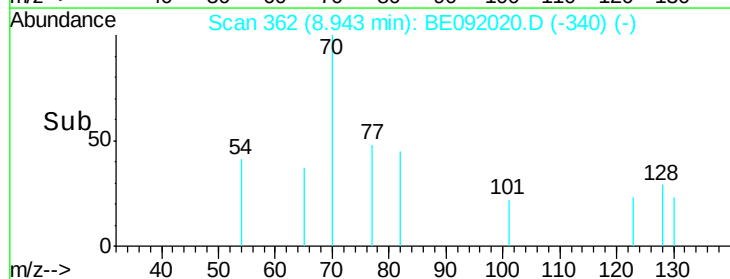
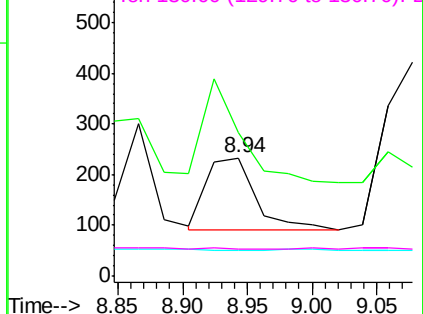


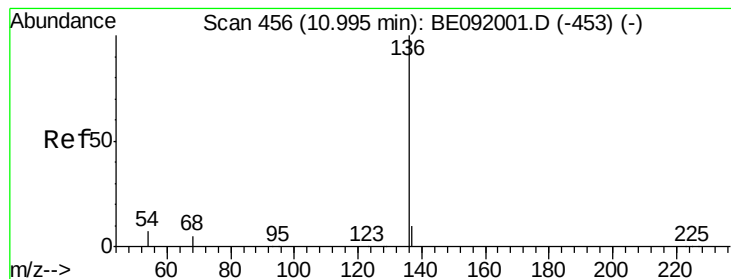
Abundance Ion 70.00 (69.70 to 70.70): BE0

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: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

Tgt Ion: 136 Resp: 121909

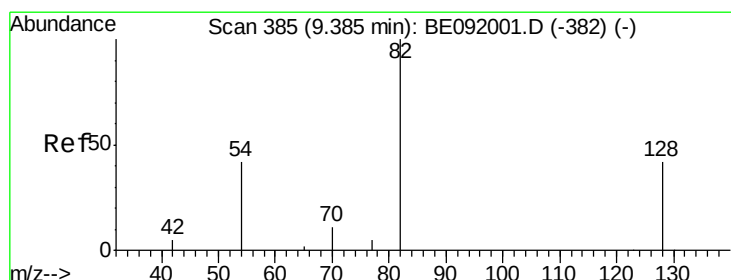
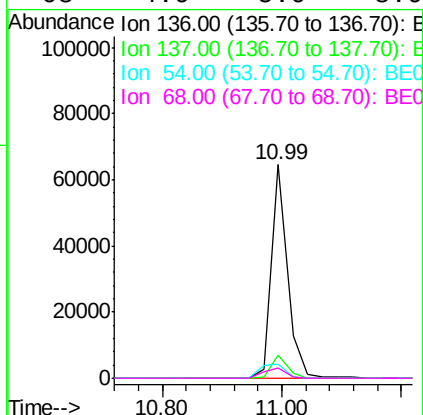
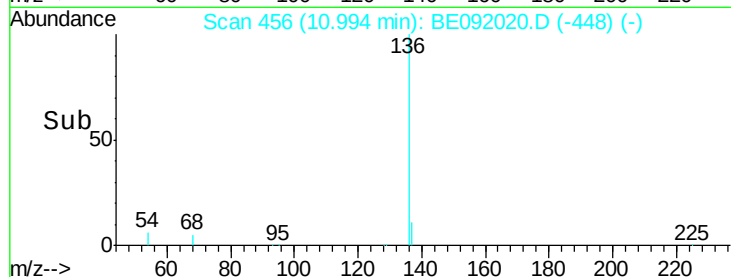
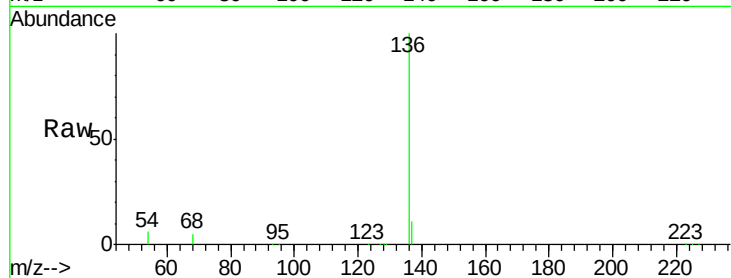
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 6.4 8.2 12.4#

68 4.9 5.9 8.9#



#9

Nitrobenzene-d5

Concen: 4.32 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

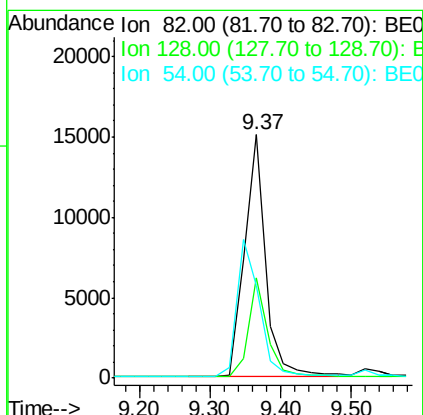
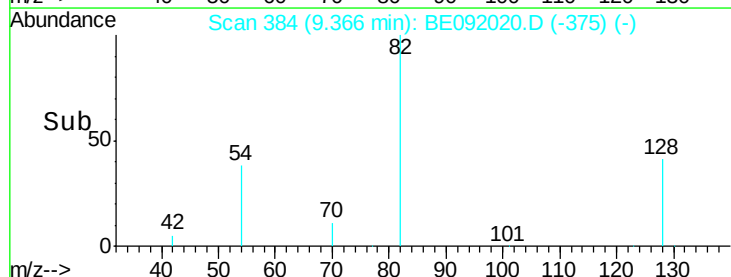
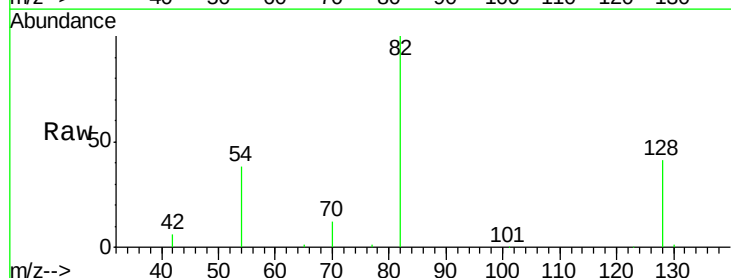
Tgt Ion: 82 Resp: 31662

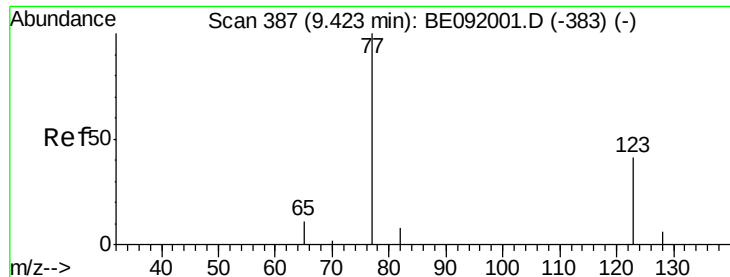
Ion Ratio Lower Upper

82 100

128 41.0 39.5 59.3

54 38.2 30.3 45.5





#10

Nitrobenzene

Concen: 0.13 ng

RT: 9.46 min Scan# 389

Delta R.T. 0.04 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

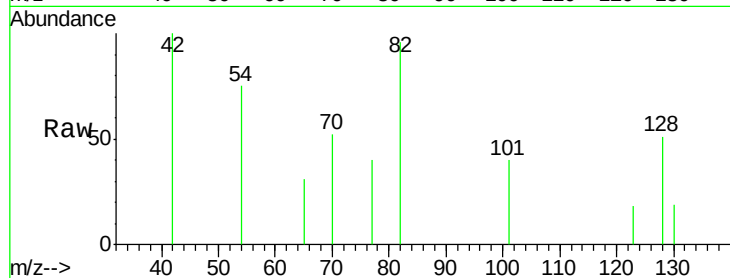
Tgt Ion: 77 Resp: 15

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

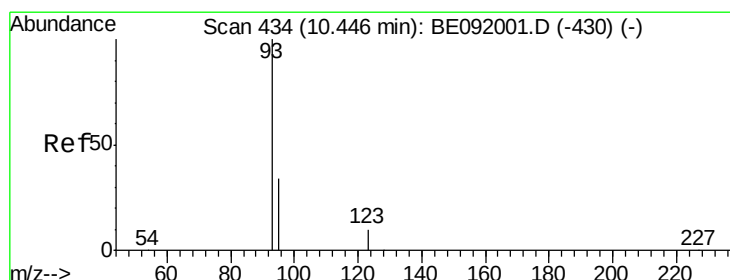
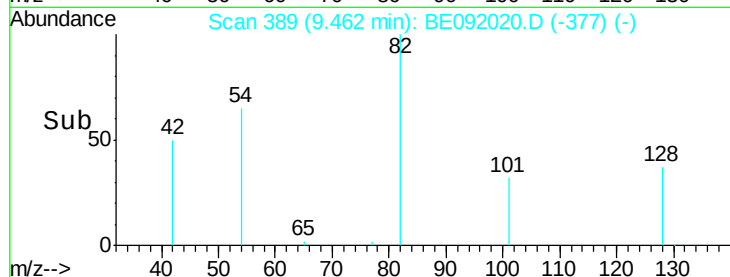
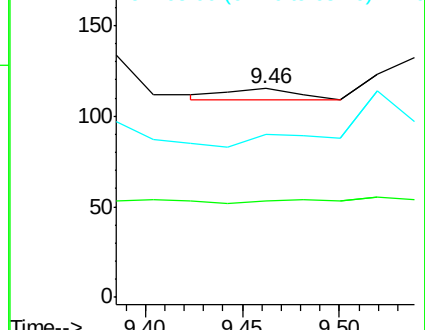
65 0.0 11.1 16.7#



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: 0.06 ng

RT: 10.05 min Scan# 418

Delta R.T. -0.40 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

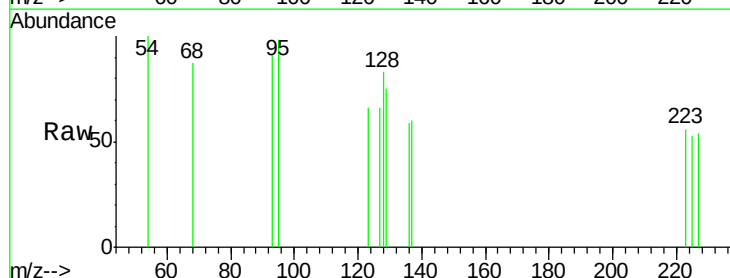
Tgt Ion: 93 Resp: 543

Ion Ratio Lower Upper

93 100

95 106.1 57.6 86.4#

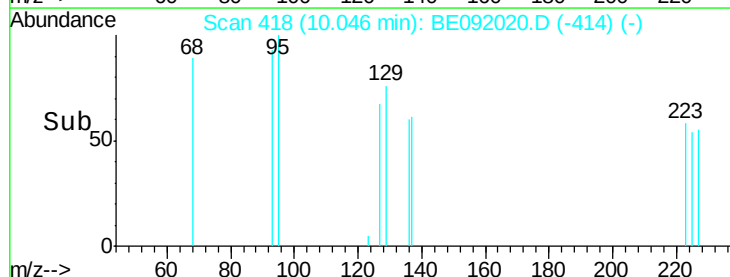
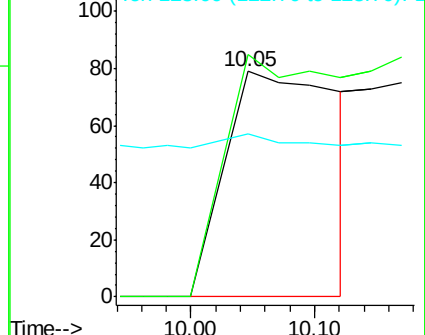
123 3.3 100.2 150.4#

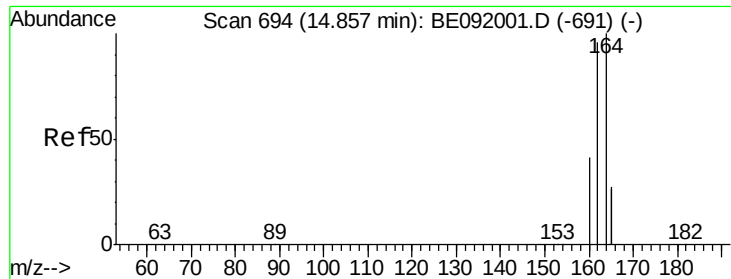


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): BE0





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

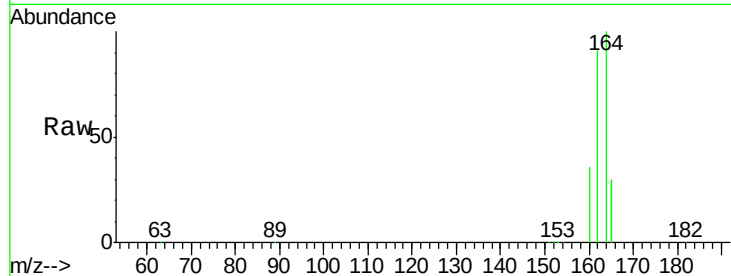
Tgt Ion:164 Resp: 72116

Ion Ratio Lower Upper

164 100

162 90.7 71.8 107.8

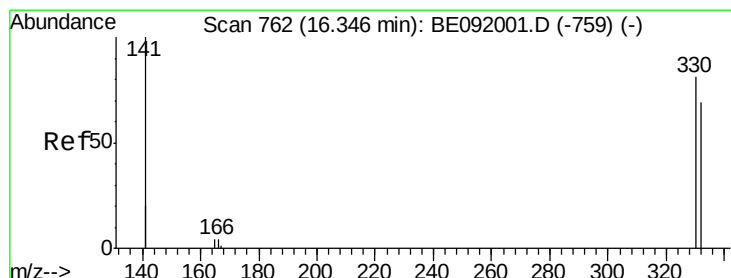
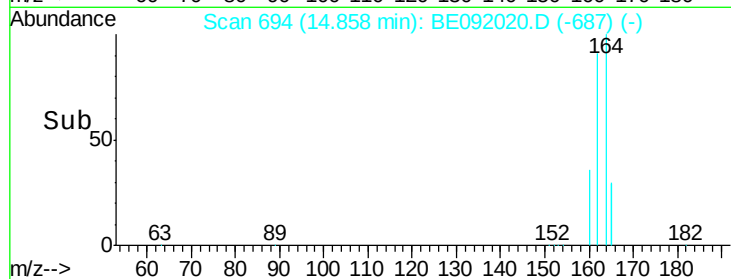
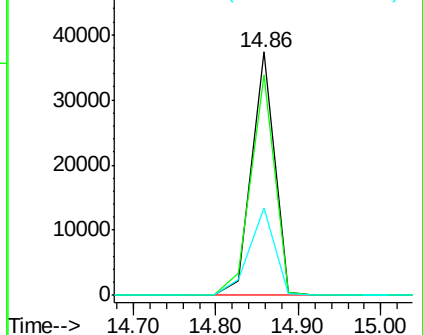
160 35.9 28.0 42.0



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



#16

2,4,6-Tribromophenol

Concen: 2.36 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

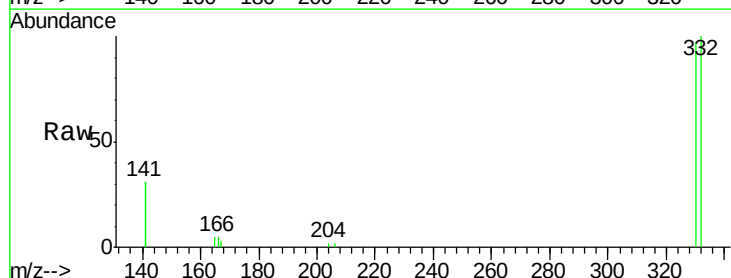
Tgt Ion:330 Resp: 5563

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

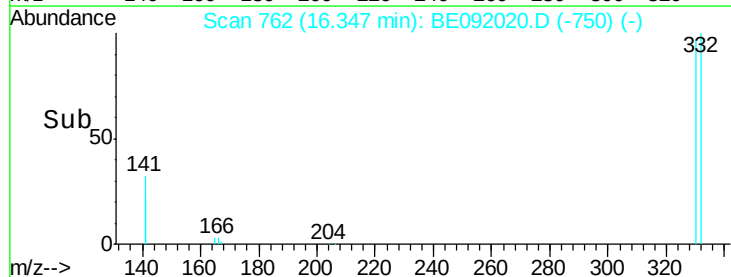
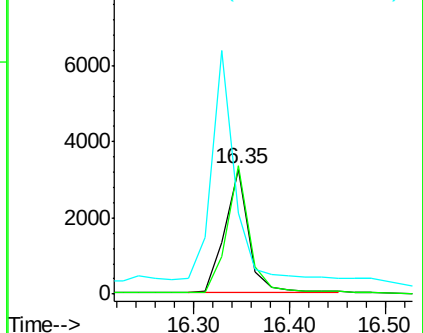
141 178.9 138.4 207.6

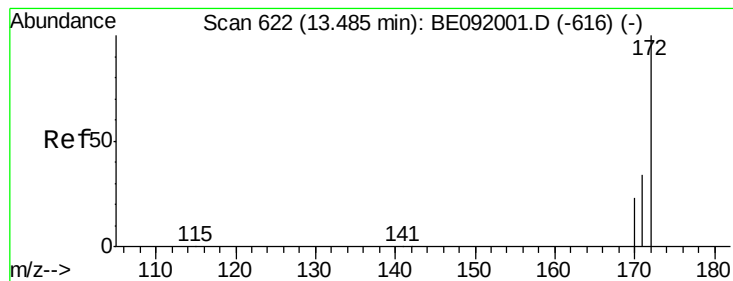


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

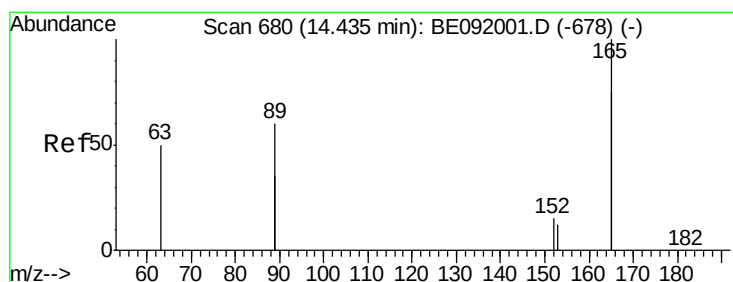
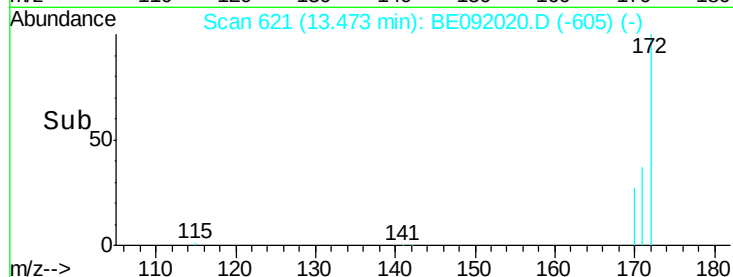
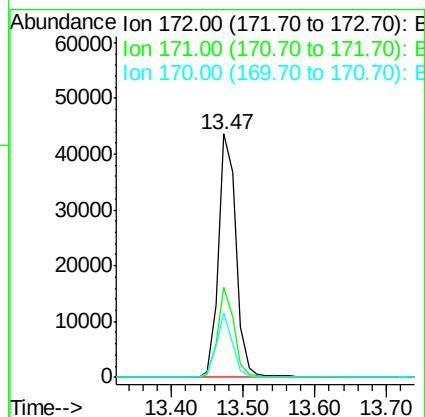
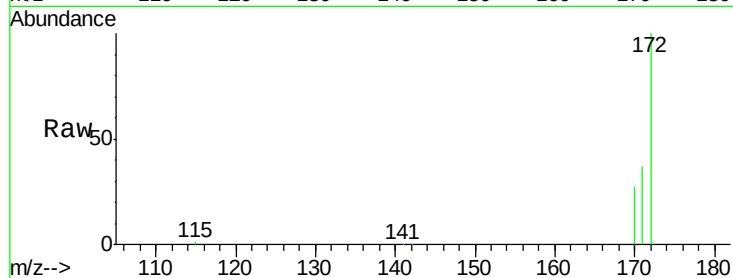




#17
 2-Fluorobiphenyl
 Concen: 3.92 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092020.D
 Acq: 22 Jul 2016 00:00

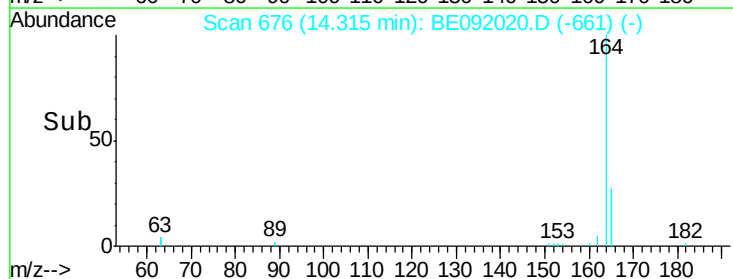
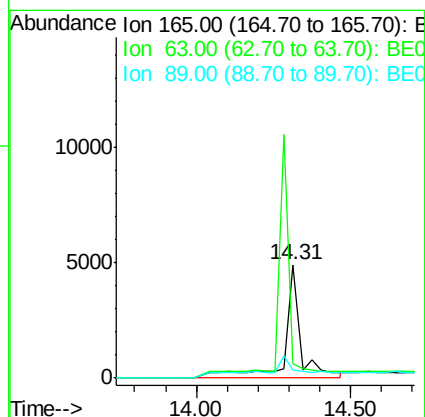
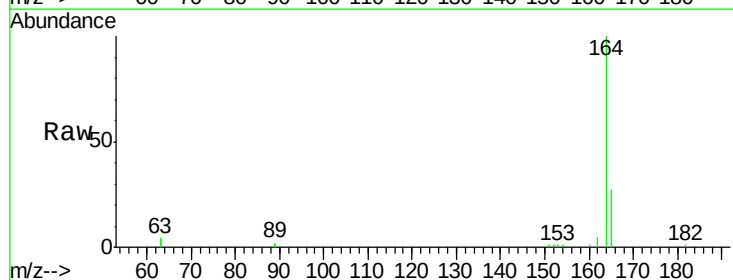
Instrument :
 BNA_E
 ClientSampleId :
 GW-08-6.0-15.0

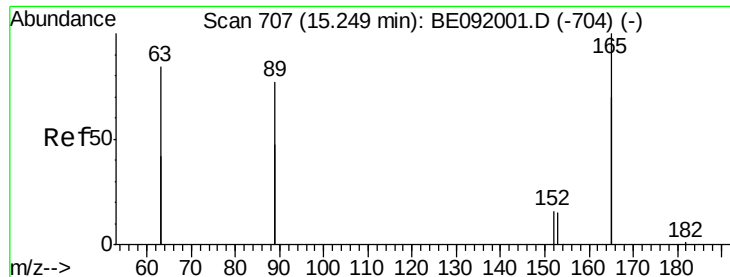
Tgt Ion:172 Resp: 74244
 Ion Ratio Lower Upper
 172 100
 171 37.1 24.3 36.5#
 170 26.7 14.9 22.3#



#19
 2,6-Dinitrotoluene
 Concen: 0.96 ng
 RT: 14.31 min Scan# 676
 Delta R.T. -0.12 min
 Lab File: BE092020.D
 Acq: 22 Jul 2016 00:00

Tgt Ion:165 Resp: 17051
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 0.0 59.1 88.7#

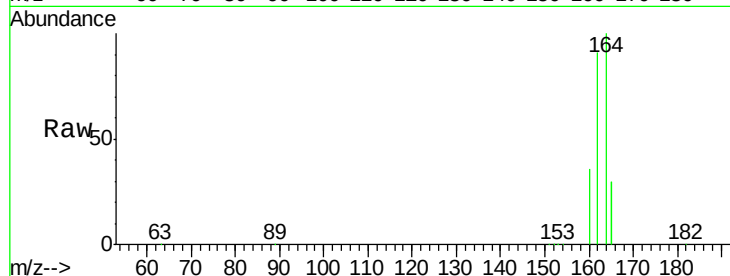




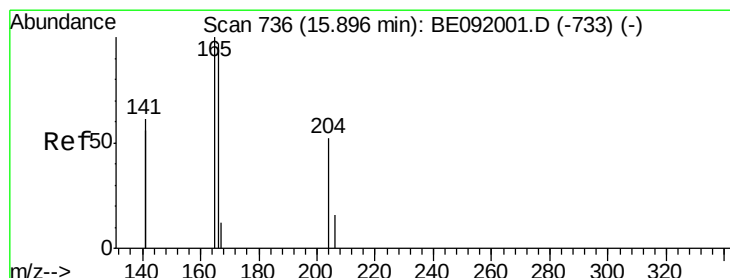
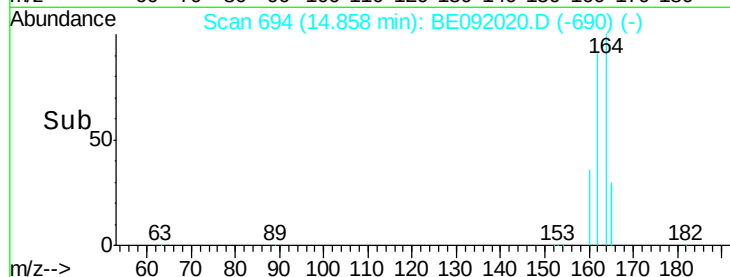
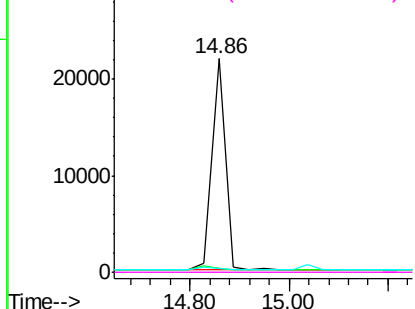
#21
2,4-Dinitrotoluene
Concen: 2.22 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE092020.D
Acq: 22 Jul 2016 00:00

Instrument :
BNA_E
ClientSampleId :
GW-08-6.0-15.0

Tgt Ion:165 Resp: 41744
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

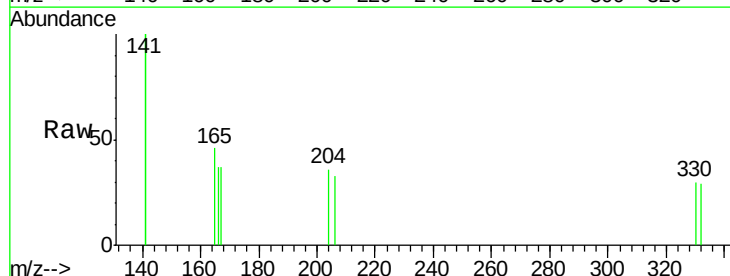


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

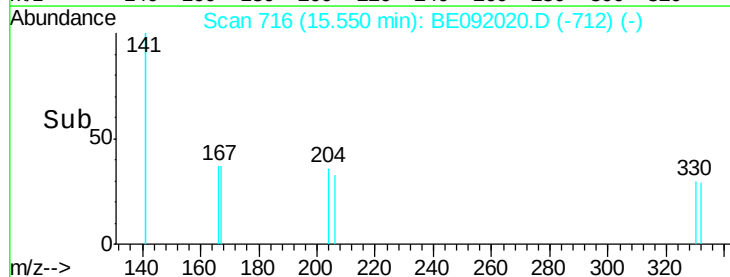
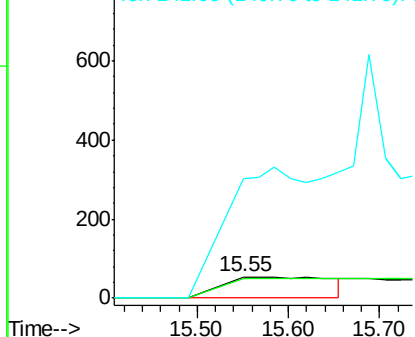


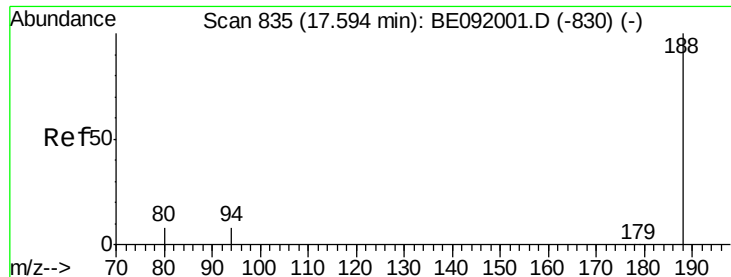
#23
4-Chlorophenyl-phenylether
Concen: 0.05 ng
RT: 15.55 min Scan# 716
Delta R.T. -0.35 min
Lab File: BE092020.D
Acq: 22 Jul 2016 00:00

Tgt Ion:204 Resp: 506
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 0.0 197.6 296.4#



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

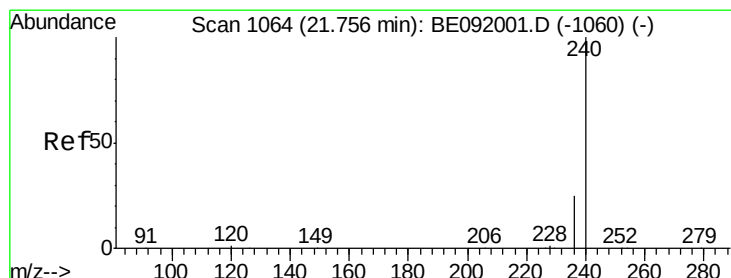
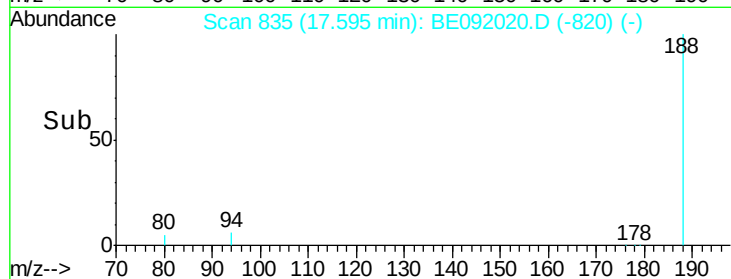
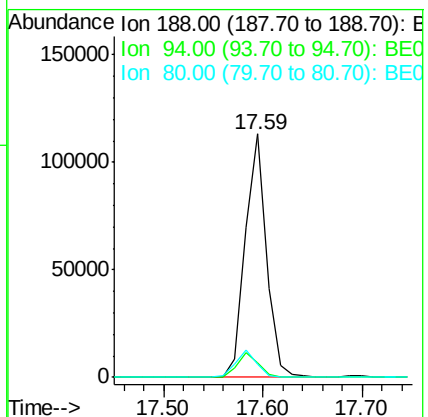
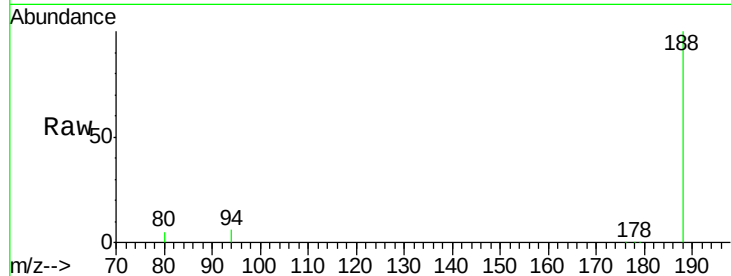




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE092020.D
Acq: 22 Jul 2016 00:00

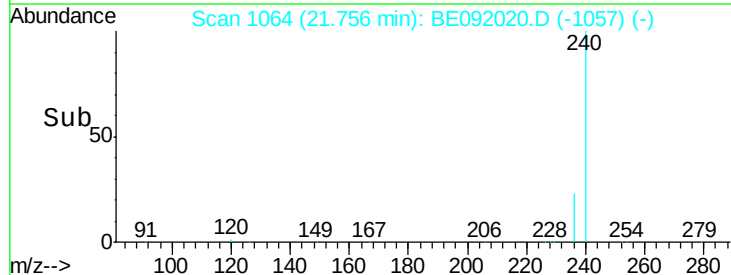
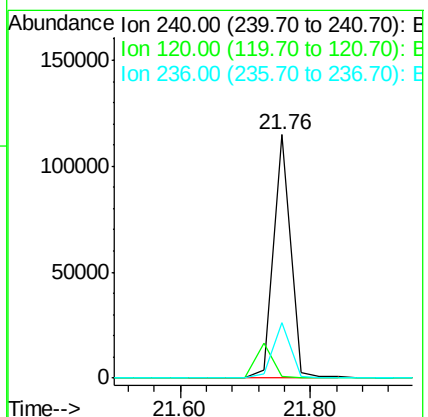
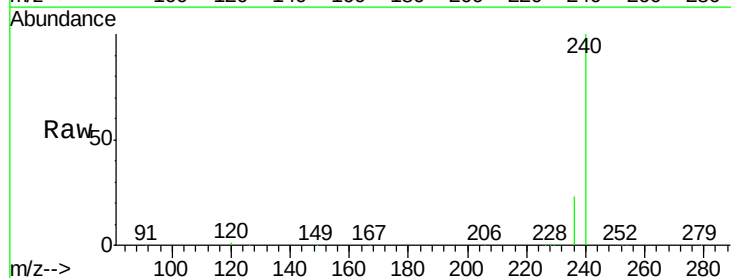
Instrument :
BNA_E
ClientSampleId :
GW-08-6.0-15.0

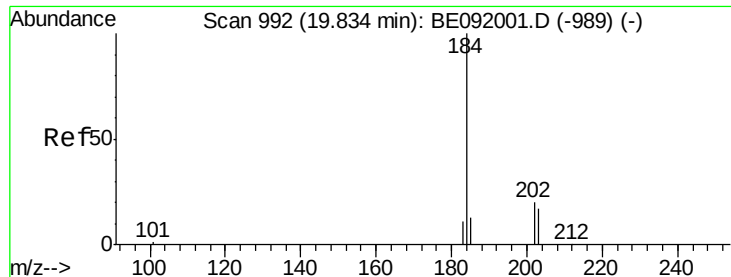
Tgt Ion:188 Resp: 167384
Ion Ratio Lower Upper
188 100
94 6.2 4.1 6.1#
80 5.3 3.4 5.2#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092020.D
Acq: 22 Jul 2016 00:00

Tgt Ion:240 Resp: 211132
Ion Ratio Lower Upper
240 100
120 0.7 1.2 1.8#
236 22.6 19.8 29.8





#32

Benzidine

Concen: 0.40 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

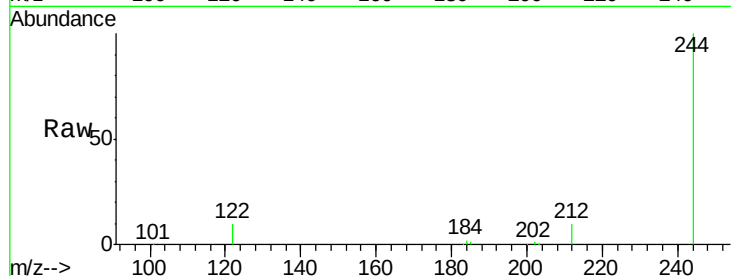
Tgt Ion:184 Resp: 2259

Ion Ratio Lower Upper

184 100

185 32.9 11.4 17.2#

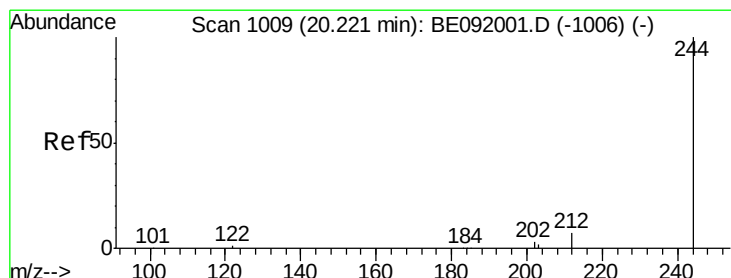
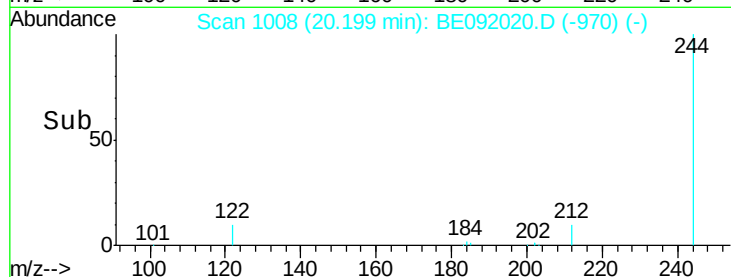
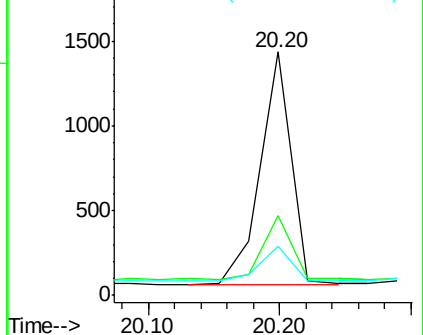
183 20.1 11.8 17.6#



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: 5.69 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

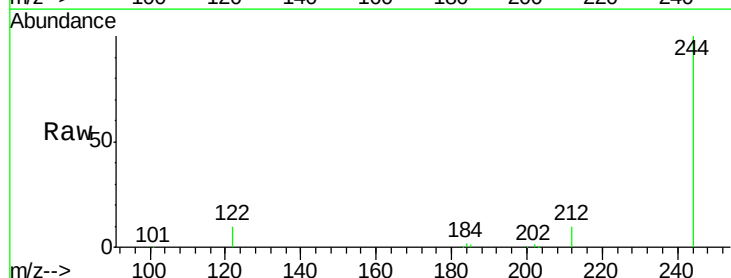
Tgt Ion:244 Resp: 120731

Ion Ratio Lower Upper

244 100

212 9.9 6.5 9.7#

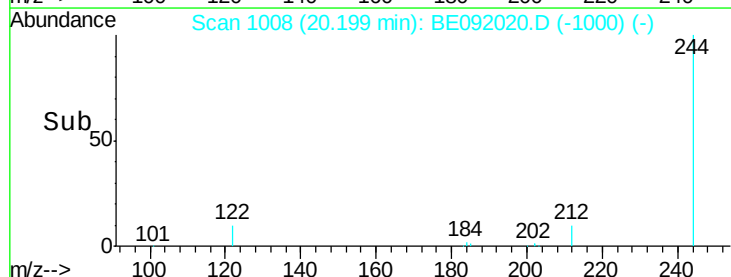
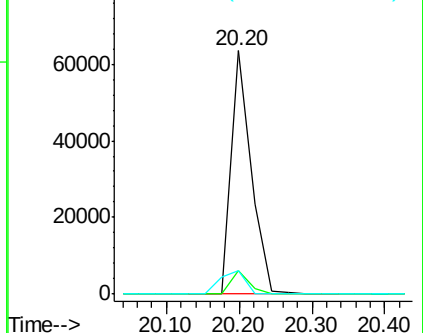
122 9.9 2.9 4.3#

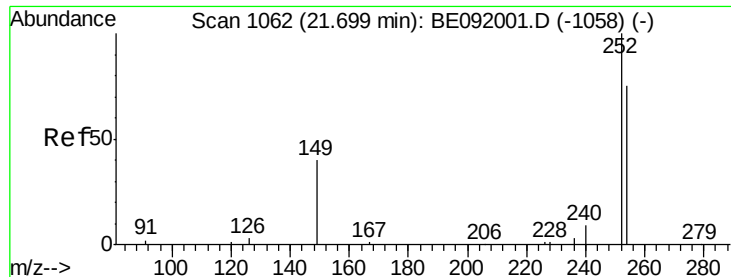


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

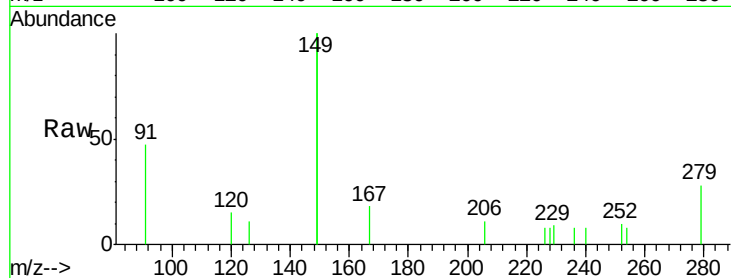




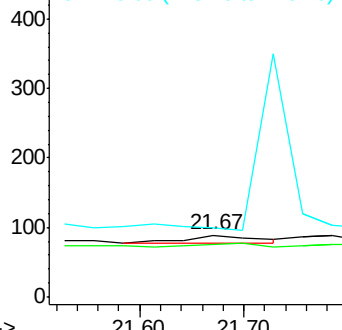
#36
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 21.67 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BE092020.D
 Acq: 22 Jul 2016 00:00

Instrument :
 BNA_E
 ClientSampleId :
 GW-08-6.0-15.0

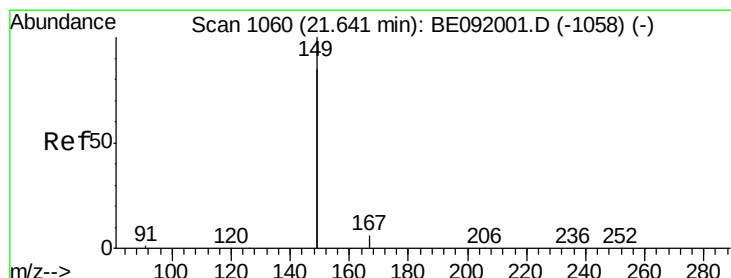
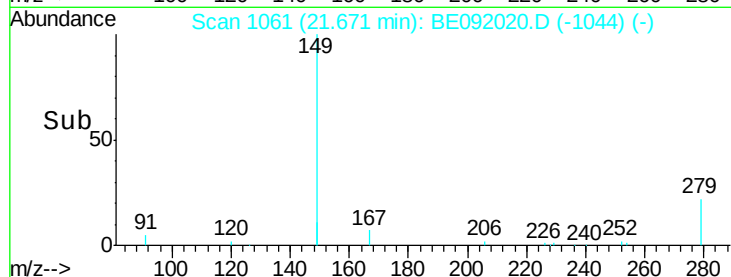
Tgt Ion: 252 Resp: 52
 Ion Ratio Lower Upper
 252 100
 254 84.3 61.5 92.3
 126 111.2 2.5 3.7#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

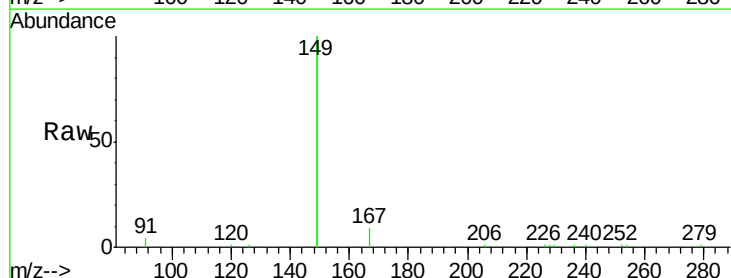


Time-->

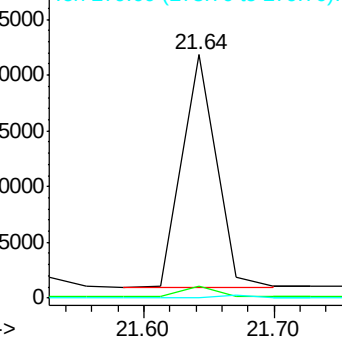


#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.97 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092020.D
 Acq: 22 Jul 2016 00:00

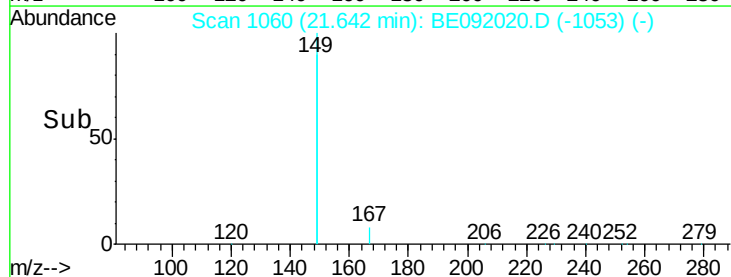
Tgt Ion: 149 Resp: 37461
 Ion Ratio Lower Upper
 149 100
 167 4.5 0.0 0.0#
 279 0.0 0.0 0.0

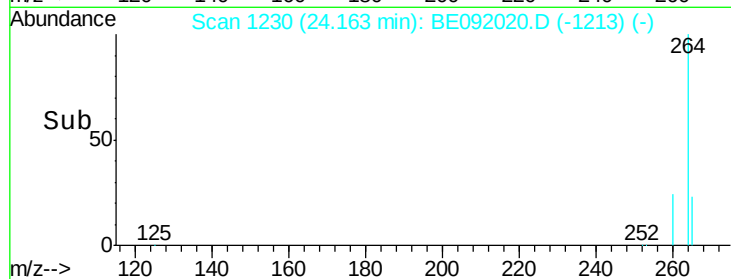
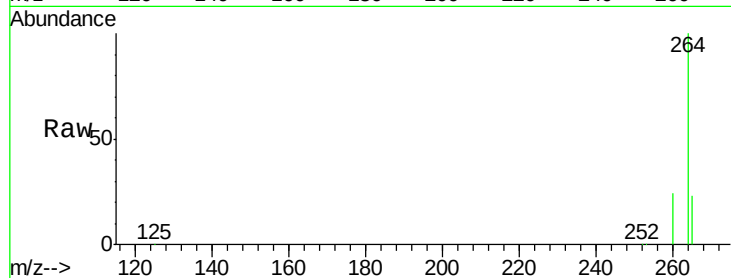
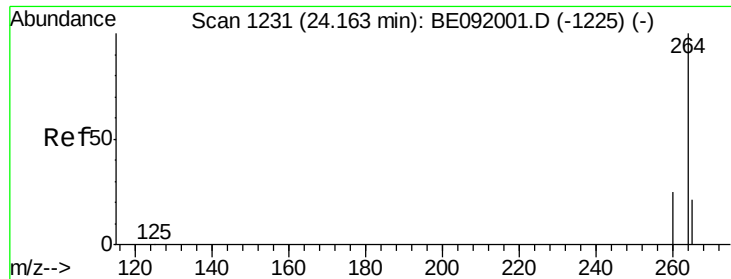


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



Time-->





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE092020.D

Acq: 22 Jul 2016 00:00

Instrument :

BNA_E

ClientSampleId :

GW-08-6.0-15.0

Tgt Ion: 264 Resp: 193384

Ion Ratio Lower Upper

264 100

260 23.9 20.3 30.5

265 22.9 17.6 26.4

