

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092021.D
 Acq On : 23 Jul 2016 00:38
 Operator : UM/SJ
 Sample : H4120-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-09-6.0-15.0

Quant Time: Jul 23 01:34:16 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	25037	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	127294	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	78974	5.00	ng	0.00
24) Phenanthrene-d10	17.60	188	198445	5.00	ng	0.00
31) Chrysene-d12	21.76	240	246148	5.00	ng	0.00
40) Perylene-d12	24.16	264	199365	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	28442	5.86	ng	0.00
5) Phenol-d6	7.35	99	27572	3.27	ng	-0.02
9) Nitrobenzene-d5	9.36	82	42418	5.54	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	27920	10.14	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	105696	5.09	ng	-0.01
34) Terphenyl-d14	20.20	244	180005	7.28	ng	-0.02

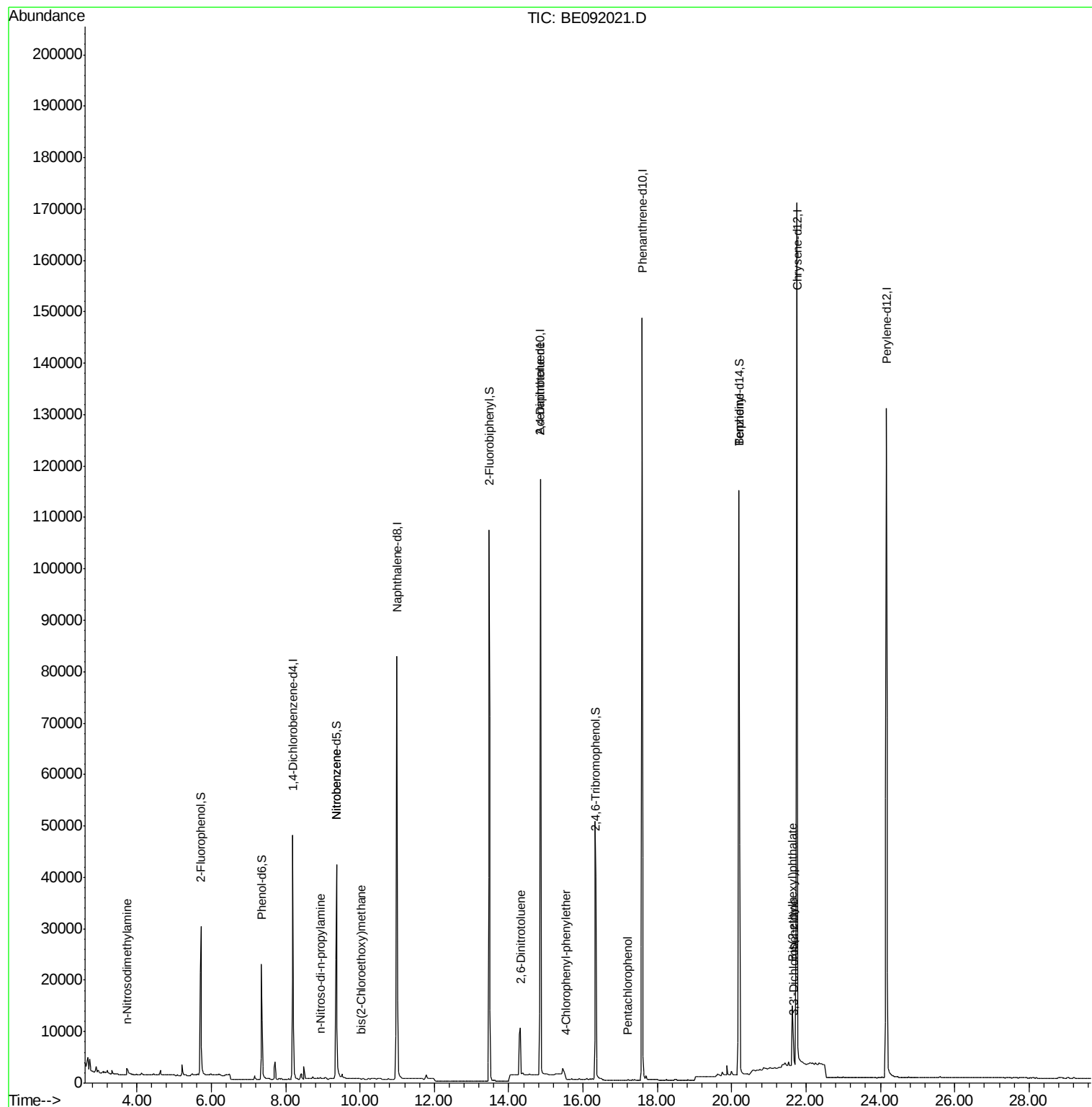
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.73	42	609	0.21	ng	# 1
7) n-Nitroso-di-n-propylamine	8.94	70	309	0.05	ng	# 61
10) Nitrobenzene	9.36	77	180	0.14	ng	# 38
11) bis(2-Chloroethoxy)methane	10.05	93	431	0.04	ng	# 5
19) 2,6-Dinitrotoluene	14.32	165	12737	0.71	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	45655	2.21	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	500	0.04	ng	# 1
27) Pentachlorophenol	17.21	266	106	0.25	ng	# 53
32) Benzidine	20.20	184	3562	0.47	ng	# 80
36) 3,3'-Dichlorobenzidine	21.67	252	38	0.02	ng	# 79
38) Bis(2-ethylhexyl)phthalate	21.64	149	20904	0.50	ng	# 100

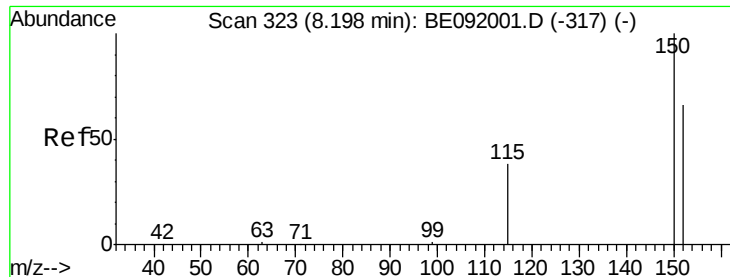
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

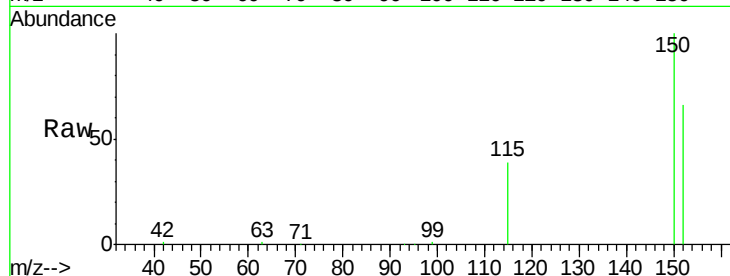
Tgt Ion:152 Resp: 25037

Ion Ratio Lower Upper

152 100

150 151.5 123.9 185.9

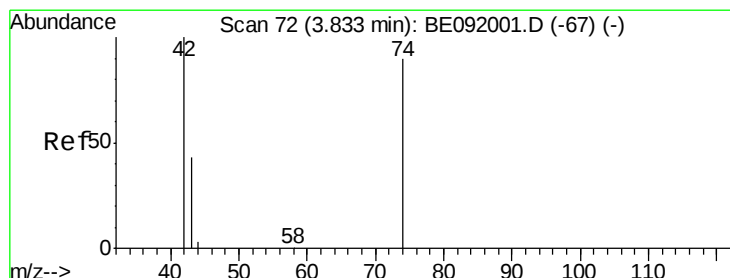
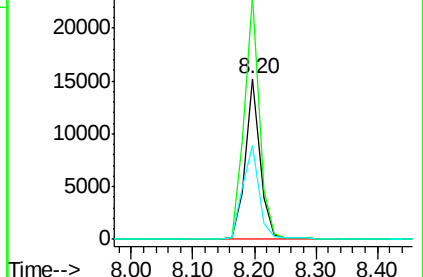
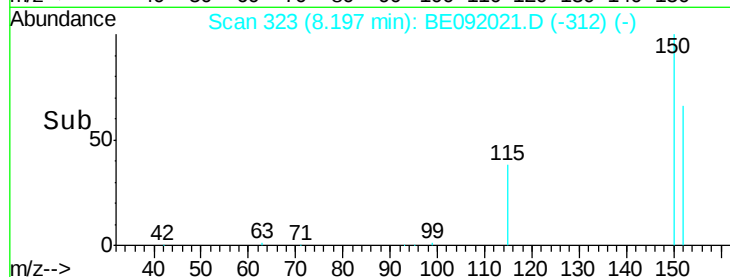
115 58.5 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.21 ng

RT: 3.73 min Scan# 66

Delta R.T. -0.10 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

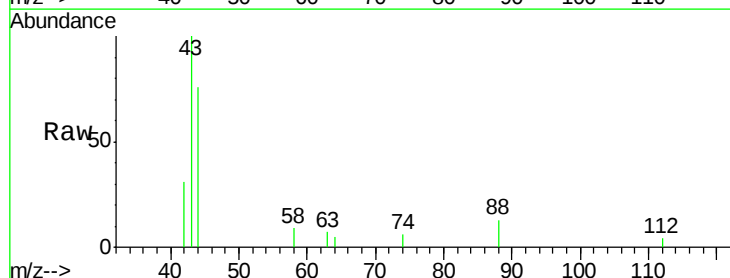
Tgt Ion: 42 Resp: 609

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

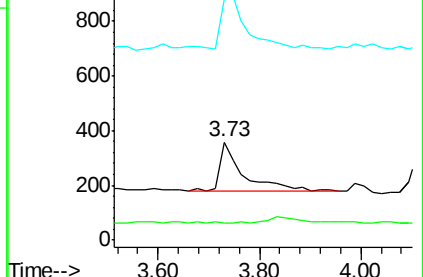
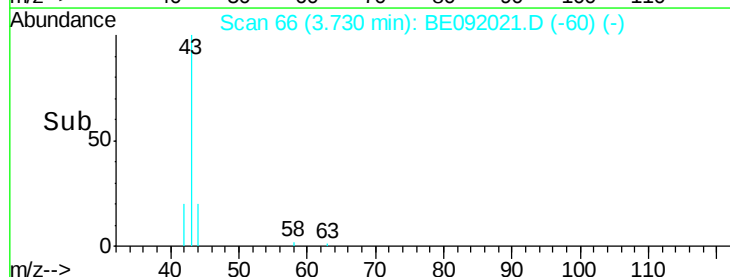
44 109.4 5.0 7.6#

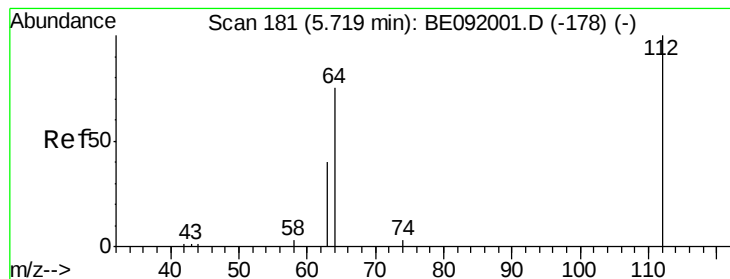


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.86 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

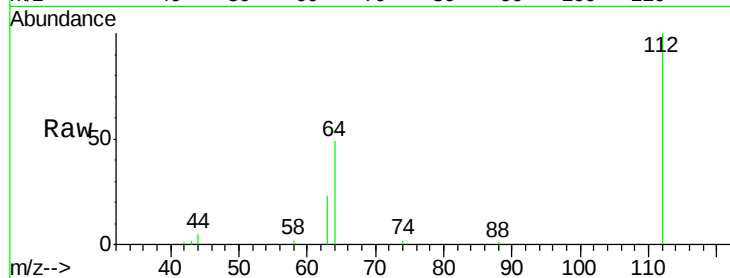
Tgt Ion: 112 Resp: 28442

Ion Ratio Lower Upper

112 100

64 67.4 53.7 80.5

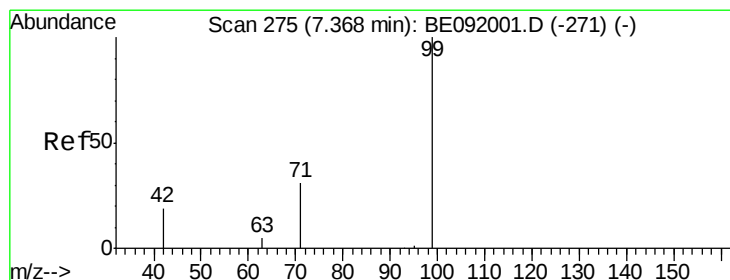
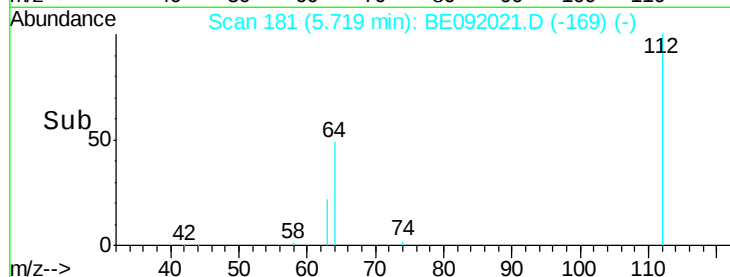
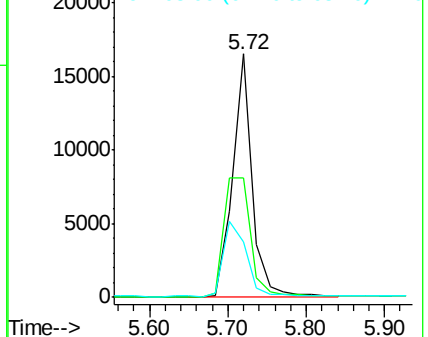
63 36.5 29.5 44.3



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: 3.27 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

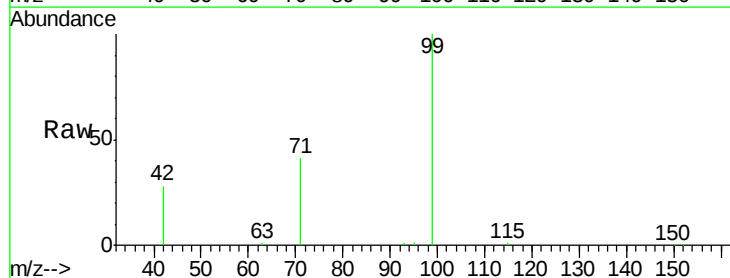
Tgt Ion: 99 Resp: 27572

Ion Ratio Lower Upper

99 100

42 25.0 19.6 29.4

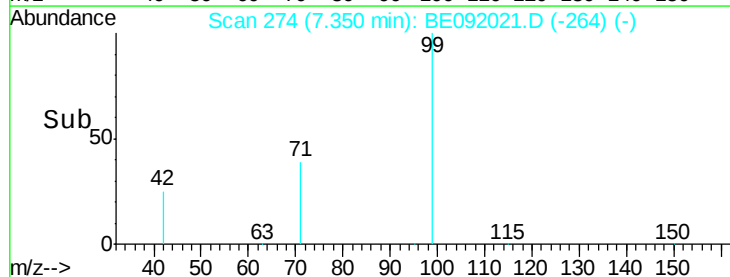
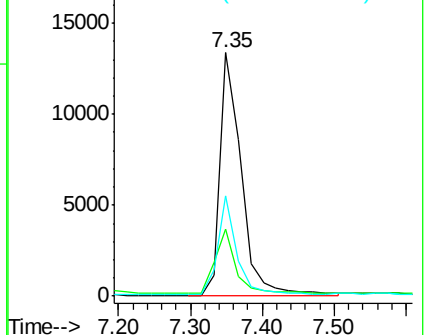
71 36.9 28.1 42.1

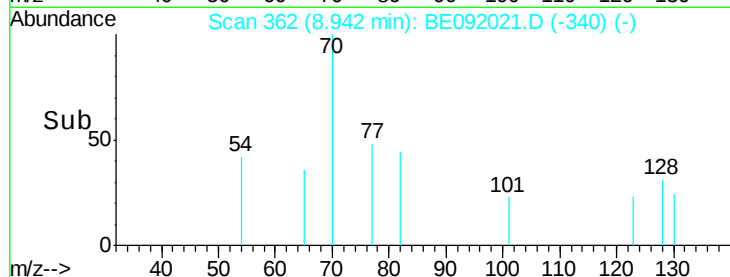
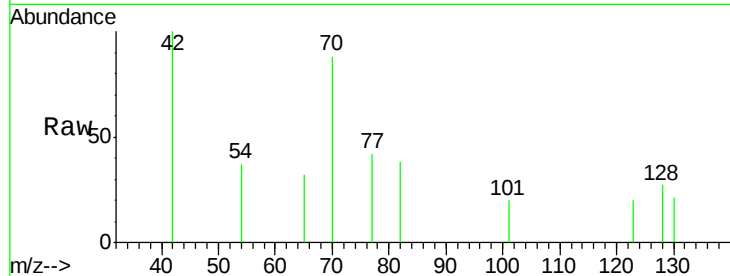
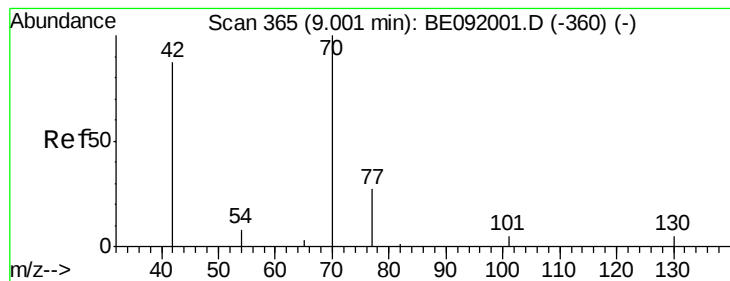


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.05 ng

RT: 8.94 min Scan# 362

Delta R.T. -0.06 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

Tgt Ion: 70 Resp: 309

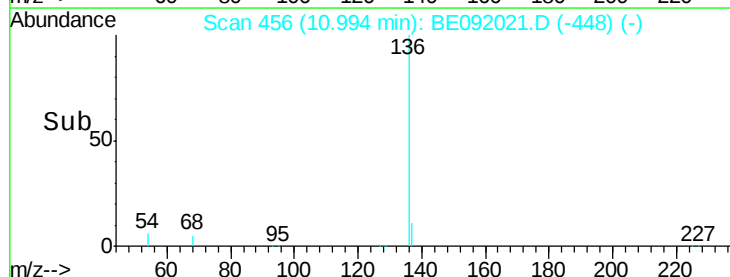
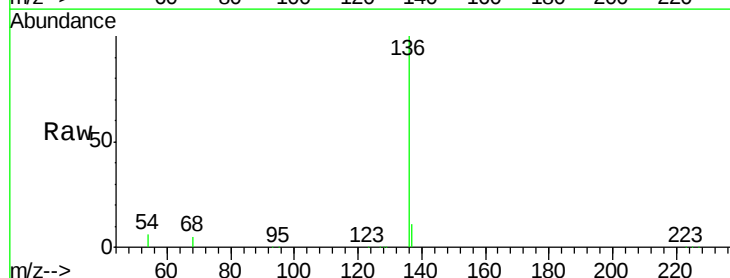
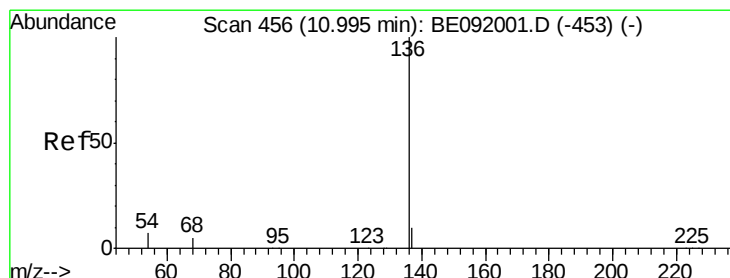
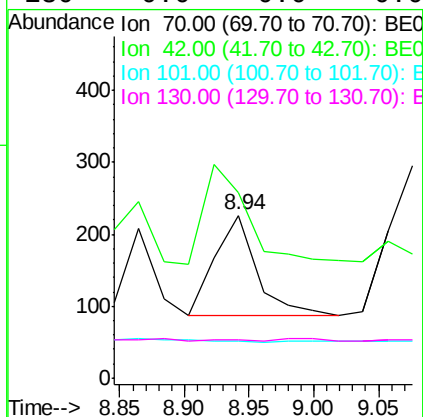
Ion Ratio Lower Upper

70 100

42 107.1 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Tgt Ion: 136 Resp: 127294

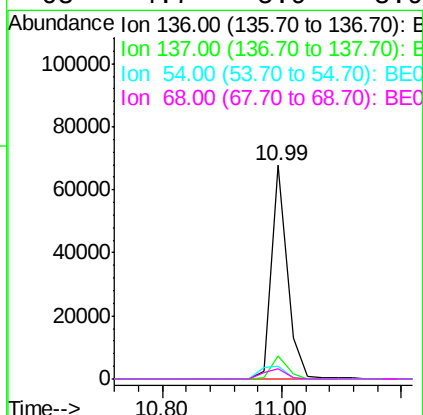
Ion Ratio Lower Upper

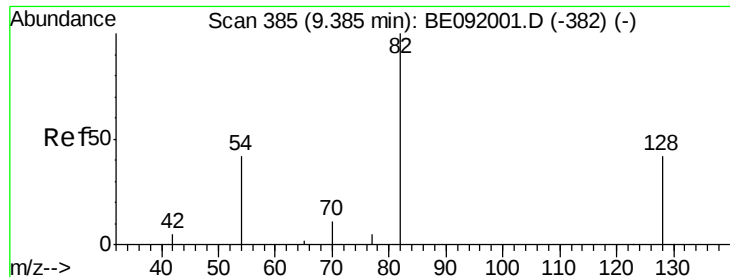
136 100

137 10.7 8.3 12.5

54 6.3 8.2 12.4#

68 4.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 5.54 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

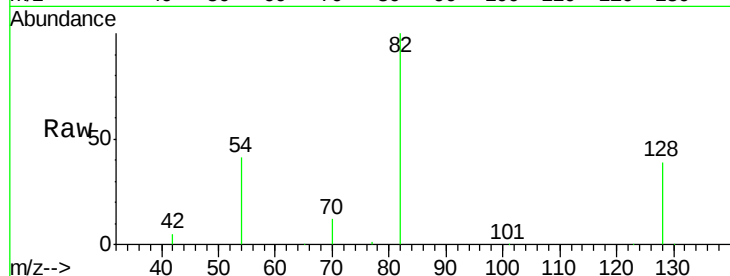
Tgt Ion: 82 Resp: 42418

Ion Ratio Lower Upper

82 100

128 38.9 39.5 59.3#

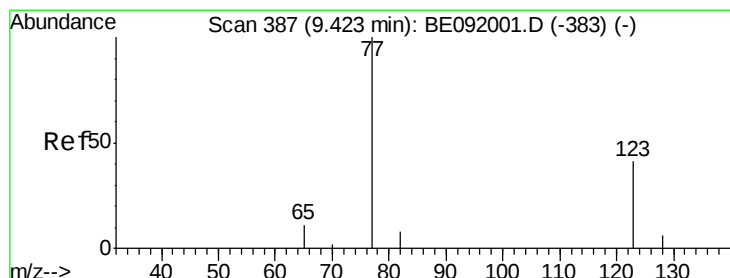
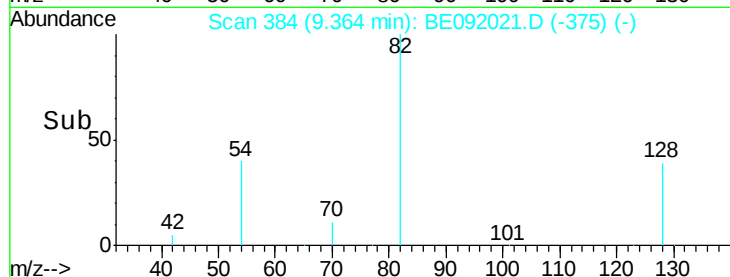
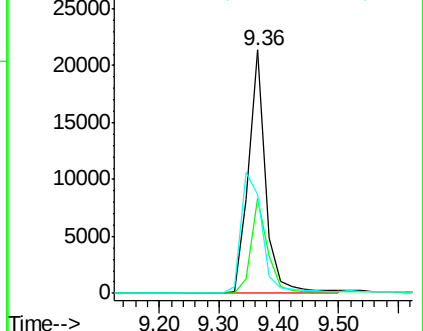
54 40.6 30.3 45.5



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: 9.36 min Scan# 384

Delta R.T. -0.06 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

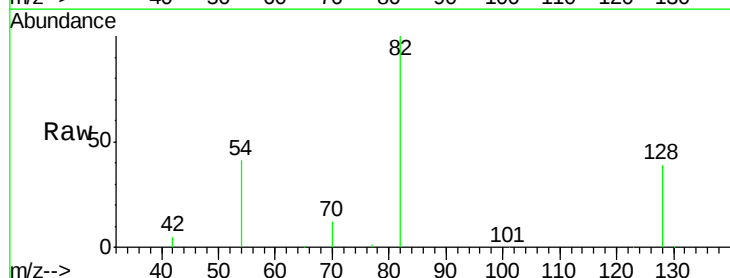
Tgt Ion: 77 Resp: 180

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

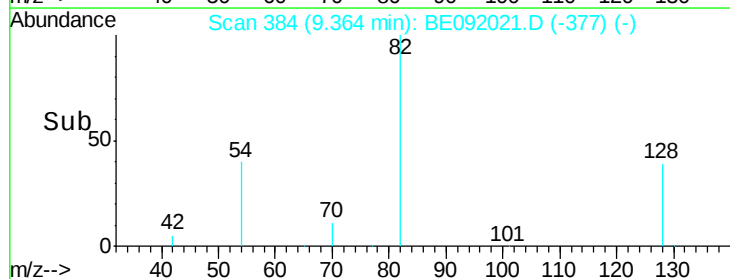
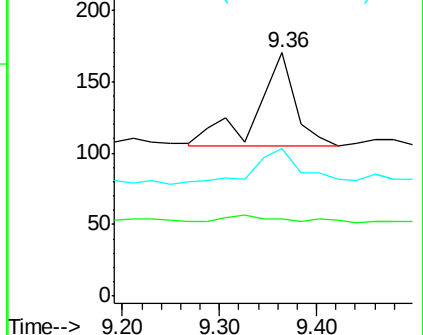
65 38.9 11.1 16.7#

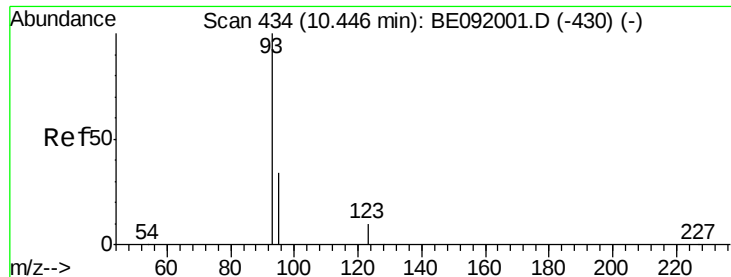


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

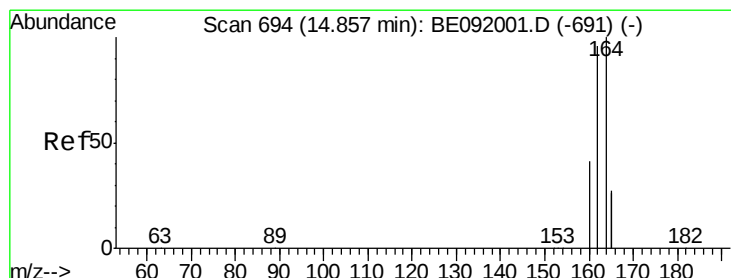
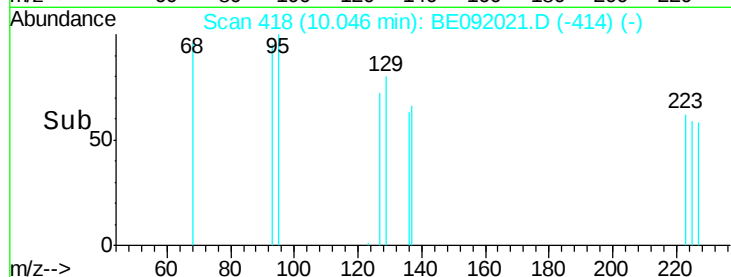
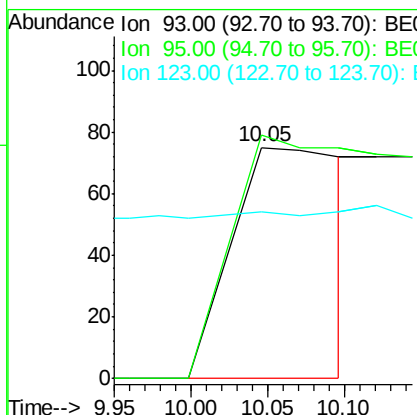
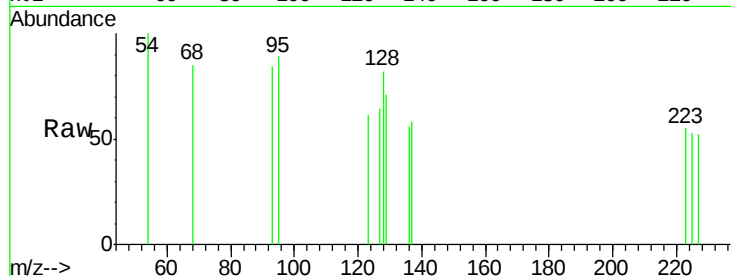




#11
bis(2-Chloroethoxy)methane
Concen: 0.04 ng
RT: 10.05 min Scan# 418
Delta R.T. -0.40 min
Lab File: BE092021.D
Acq: 23 Jul 2016 00:38

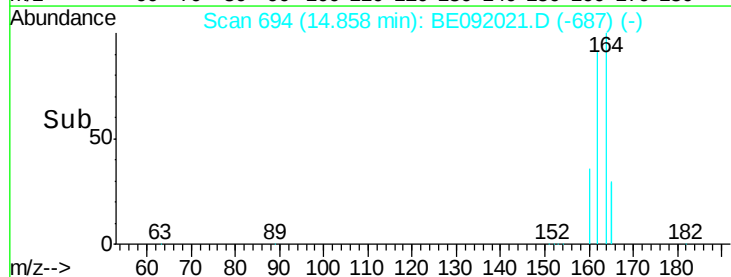
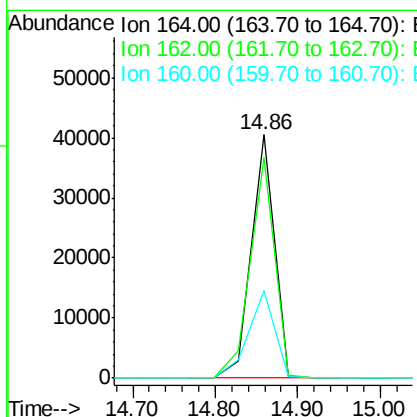
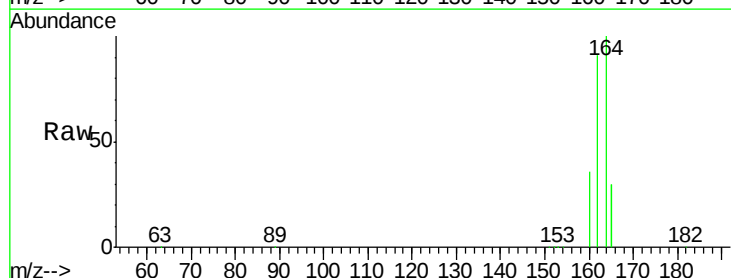
Instrument :
BNA_E
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GW-09-6.0-15.0

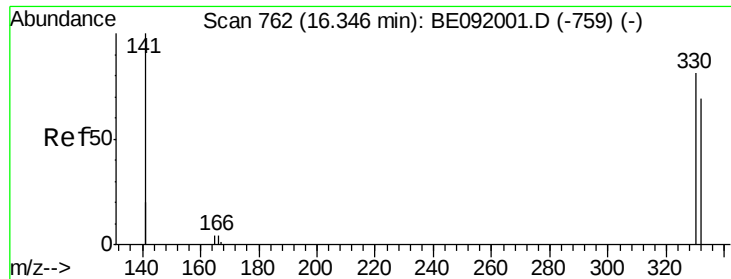
Tgt Ion: 93 Resp: 431
Ion Ratio Lower Upper
93 100
95 128.5 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092021.D
Acq: 23 Jul 2016 00:38

Tgt Ion: 164 Resp: 78974
Ion Ratio Lower Upper
164 100
162 90.5 71.8 107.8
160 35.7 28.0 42.0

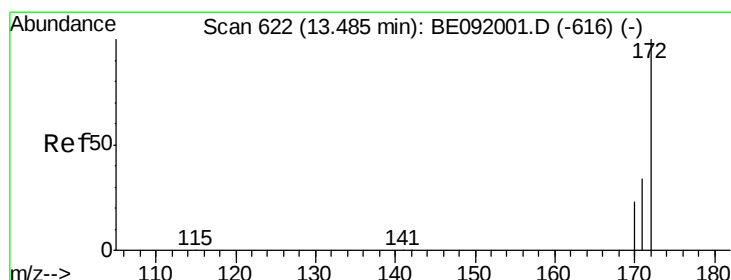
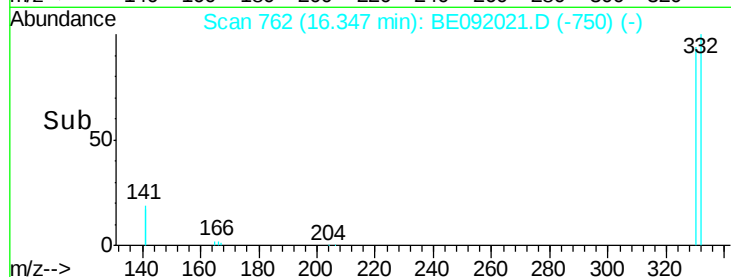
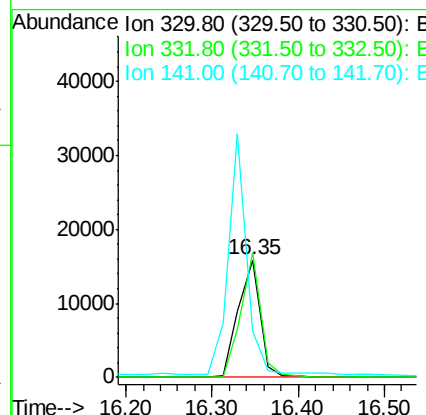
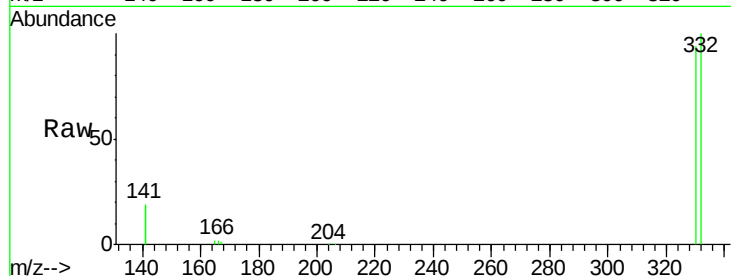




#16
 2,4,6-Tribromophenol
 Concen: 10.14 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092021.D
 Acq: 23 Jul 2016 00:38

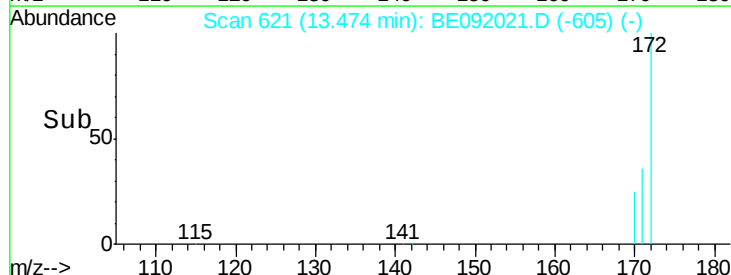
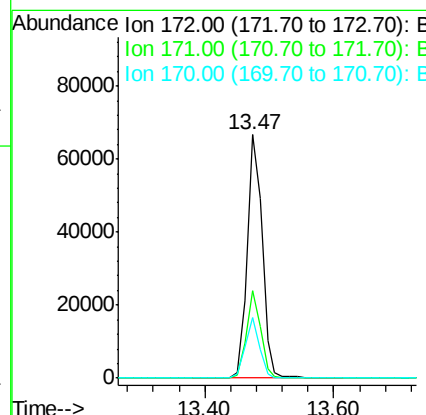
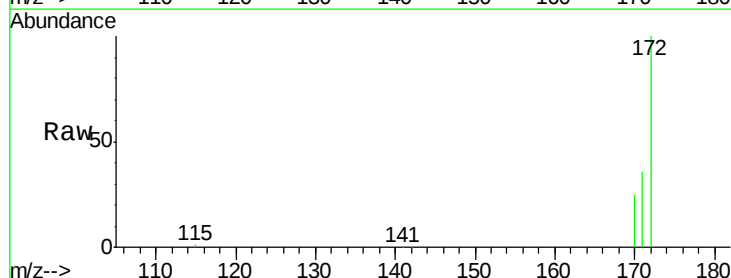
Instrument :
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 GW-09-6.0-15.0

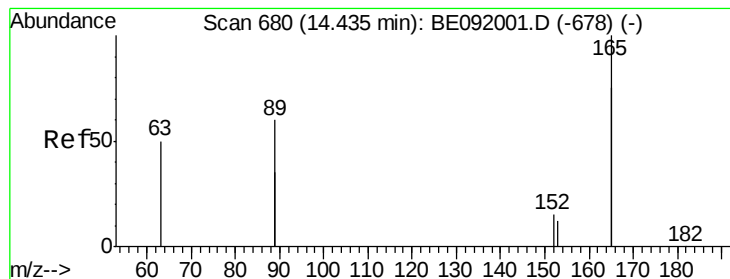
Tgt Ion:330 Resp: 27920
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 174.7 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 5.09 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092021.D
 Acq: 23 Jul 2016 00:38

Tgt Ion:172 Resp: 105696
 Ion Ratio Lower Upper
 172 100
 171 35.7 24.3 36.5
 170 24.7 14.9 22.3#





#19

2,6-Dinitrotoluene

Concen: 0.71 ng

RT: 14.32 min Scan# 676

Delta R.T. -0.12 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

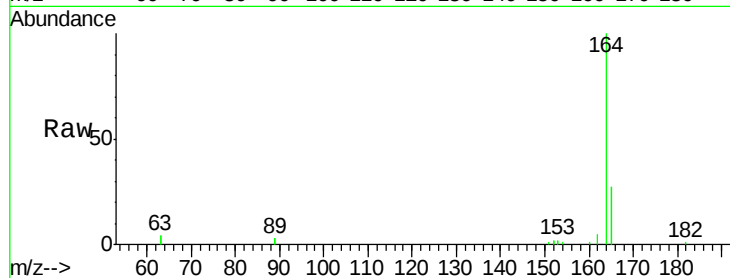
Tgt Ion:165 Resp: 12737

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

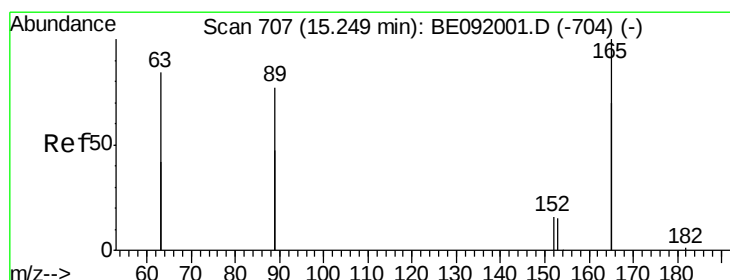
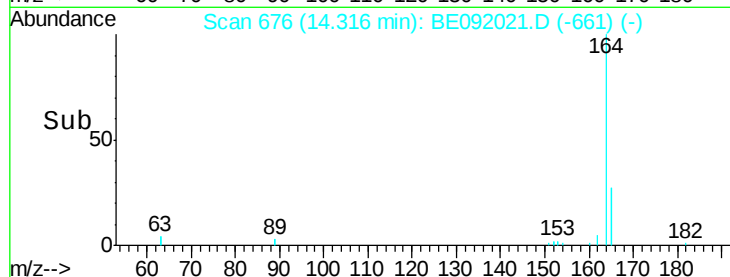
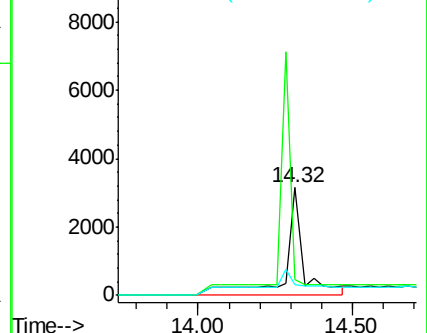
89 0.0 59.1 88.7#



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: 2.21 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Tgt Ion:165 Resp: 45655

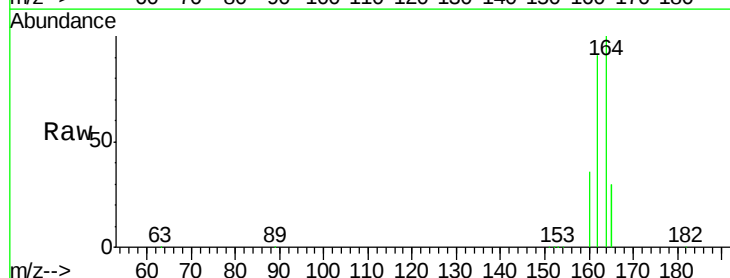
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

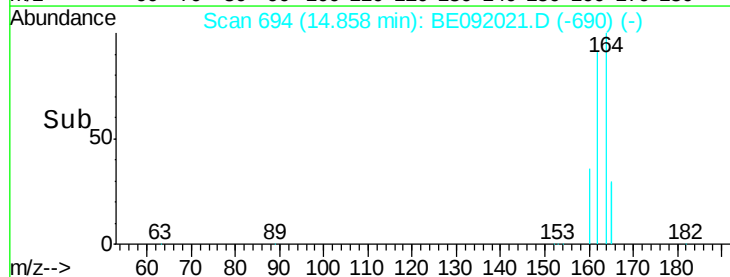
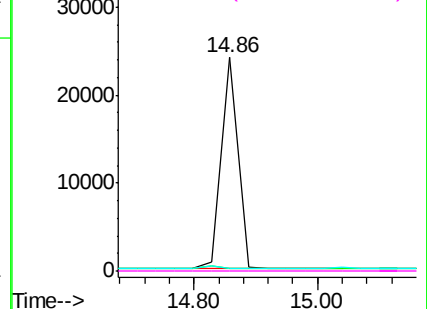


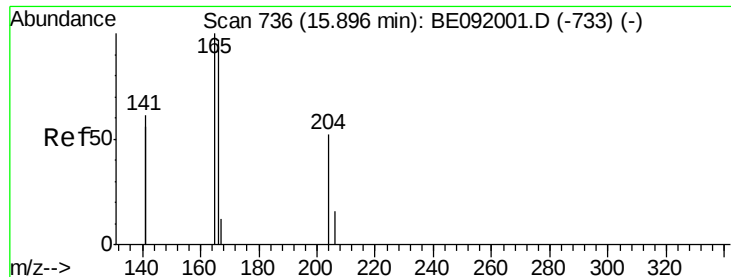
Abundance Ion 165.00 (164.70 to 165.70): E

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

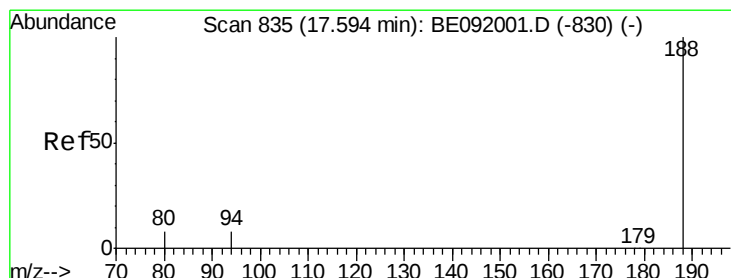
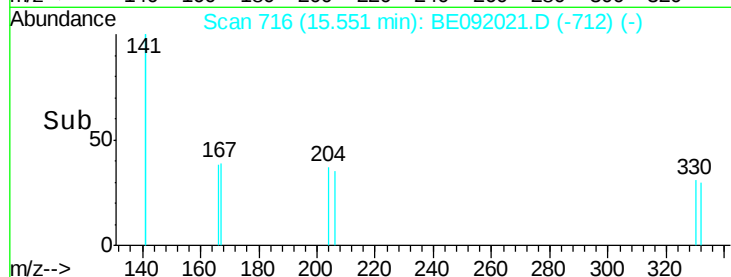
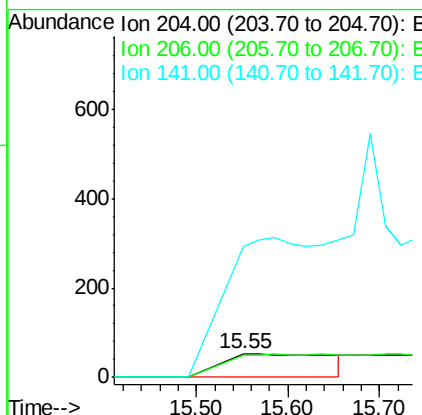
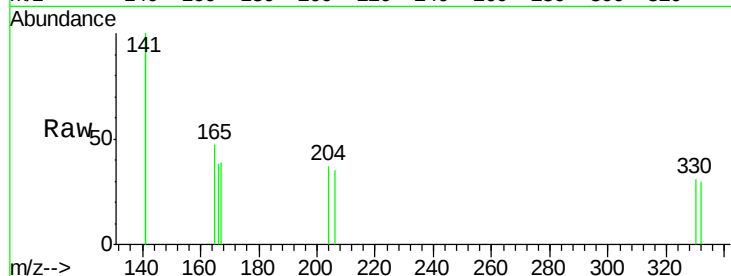




#23
 4-Chlorophenyl-phenylether
 Concen: 0.04 ng
 RT: 15.55 min Scan# 716
 Delta R.T. -0.35 min
 Lab File: BE092021.D
 Acq: 23 Jul 2016 00:38

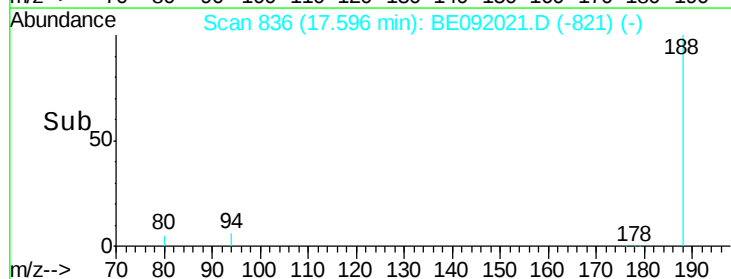
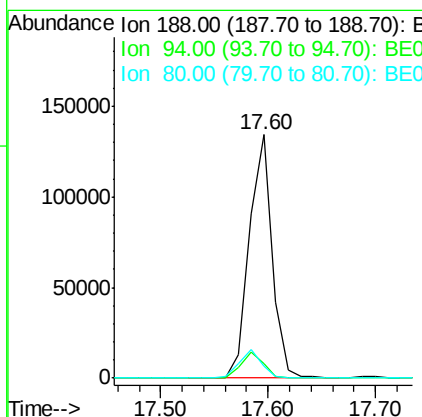
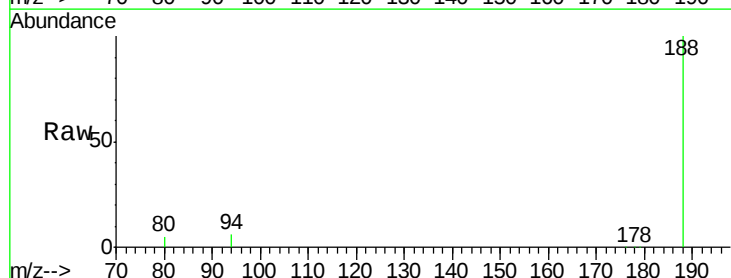
Instrument :
 BNA_E
 ClientSampleId :
 GW-09-6.0-15.0

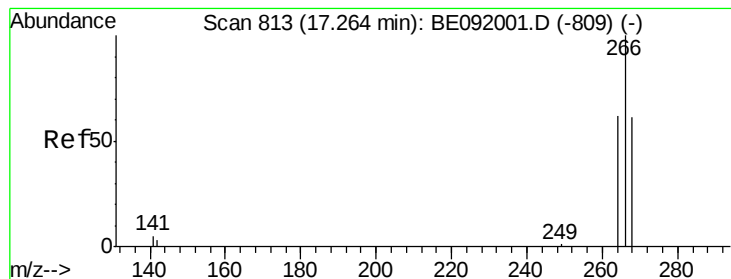
Tgt Ion: 204 Resp: 500
 Ion Ratio Lower Upper
 204 100
 206 0.0 27.8 41.6#
 141 0.0 197.6 296.4#



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.60 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BE092021.D
 Acq: 23 Jul 2016 00:38

Tgt Ion: 188 Resp: 198445
 Ion Ratio Lower Upper
 188 100
 94 5.7 4.1 6.1
 80 4.8 3.4 5.2





#27

Pentachlorophenol

Concen: 0.25 ng

RT: 17.21 min Scan# 810

Delta R.T. -0.05 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

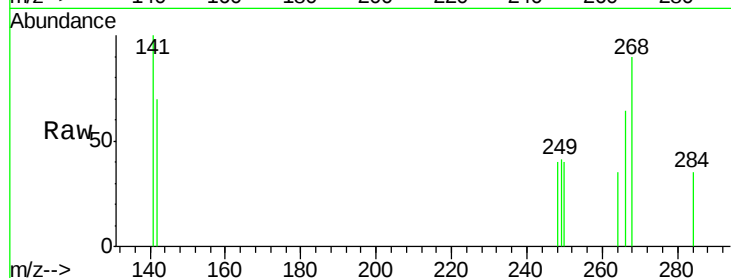
Tgt Ion:266 Resp: 106

Ion Ratio Lower Upper

266 100

268 141.2 60.5 90.7#

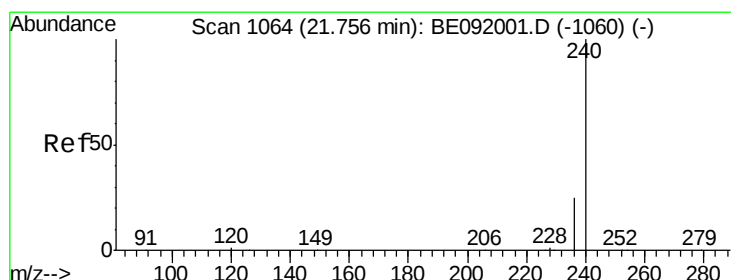
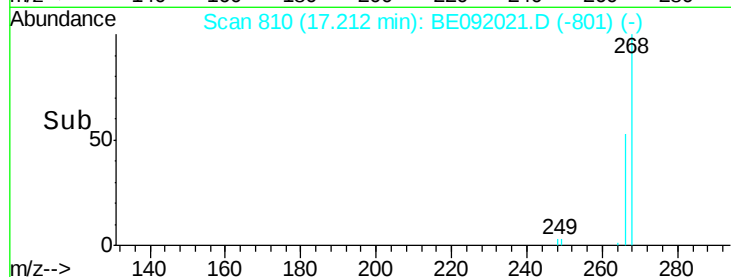
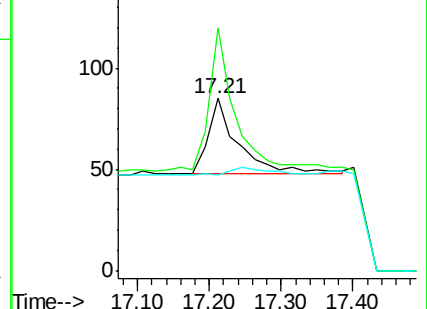
264 55.3 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

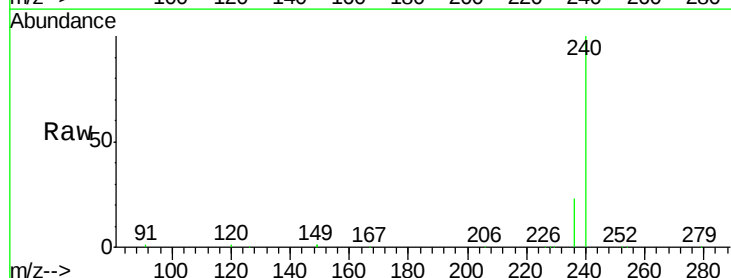
Tgt Ion:240 Resp: 246148

Ion Ratio Lower Upper

240 100

120 0.7 1.2 1.8#

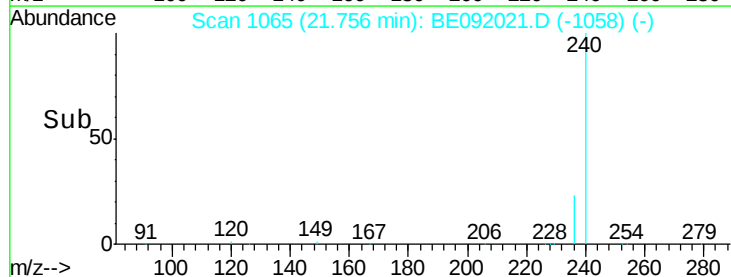
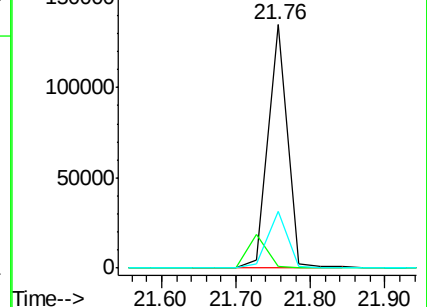
236 23.4 19.8 29.8

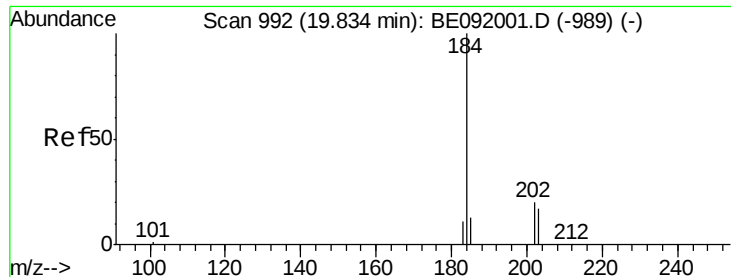


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#32

Benzidine

Concen: 0.47 ng

RT: 20.20 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0

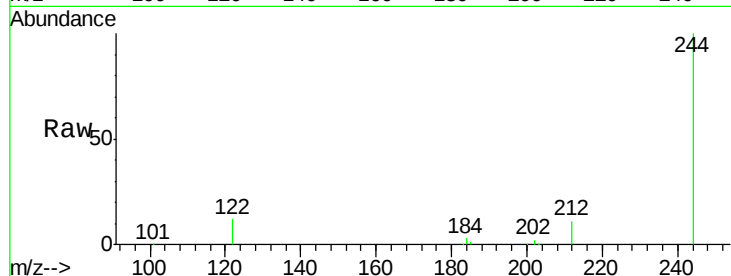
Tgt Ion:184 Resp: 3562

Ion Ratio Lower Upper

184 100

185 27.9 11.4 17.2#

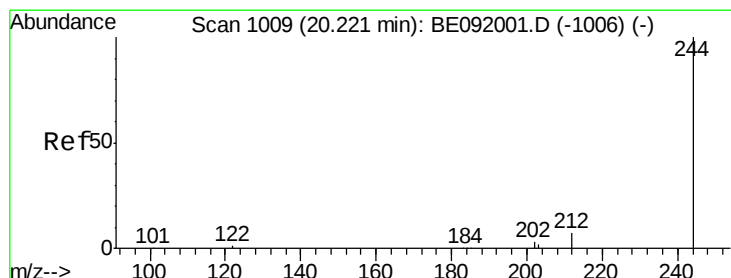
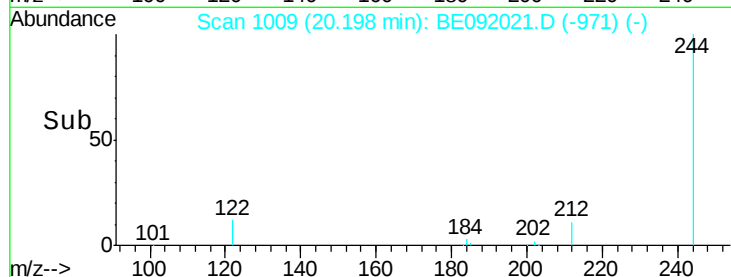
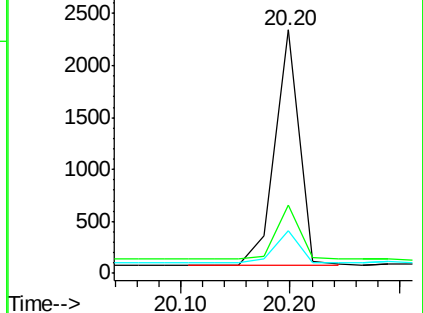
183 17.8 11.8 17.6#



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: 7.28 ng

RT: 20.20 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BE092021.D

Acq: 23 Jul 2016 00:38

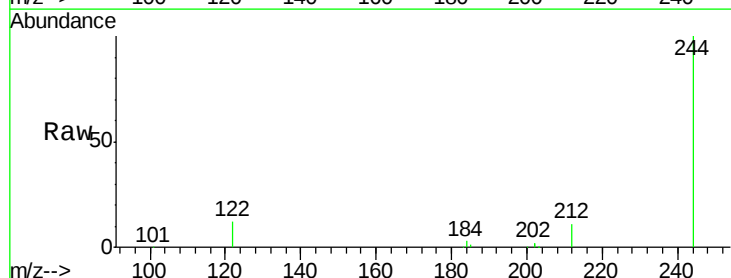
Tgt Ion:244 Resp: 180005

Ion Ratio Lower Upper

244 100

212 10.6 6.5 9.7#

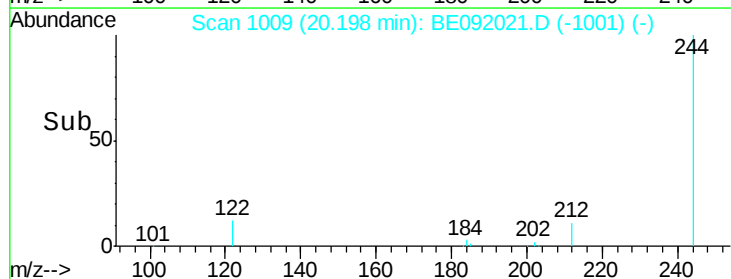
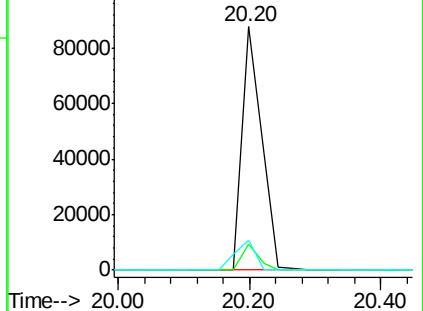
122 12.4 2.9 4.3#

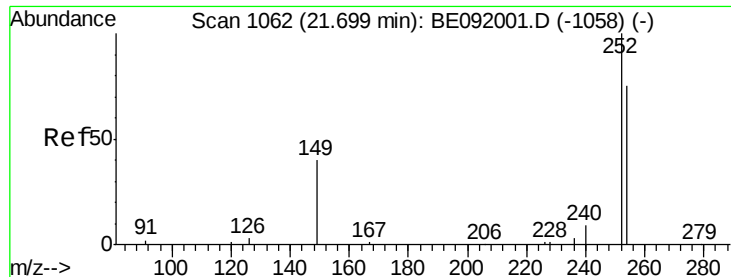


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

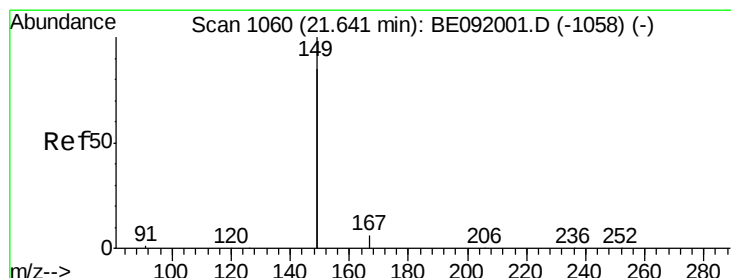
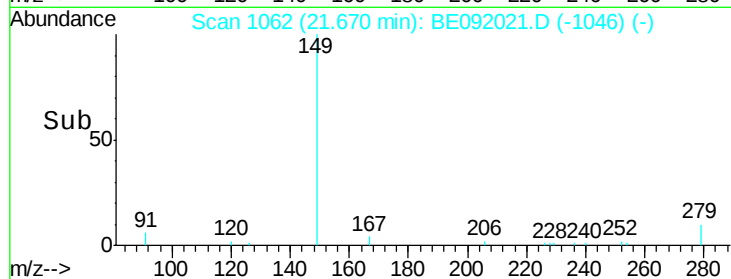
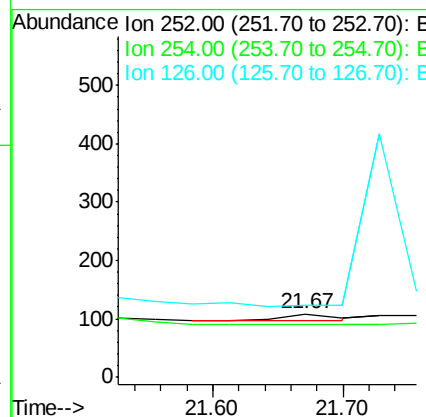
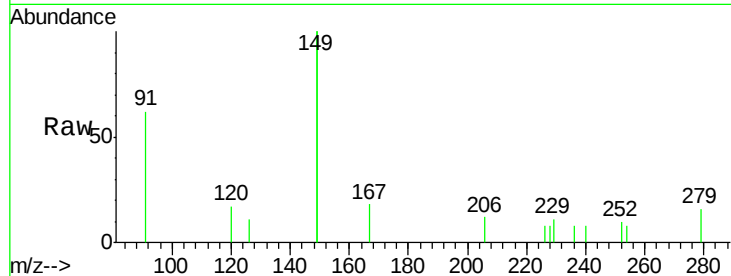




#36
 3,3'-Dichlorobenzidine
 Concen: 0.02 ng
 RT: 21.67 min Scan# 1062
 Delta R.T. -0.03 min
 Lab File: BE092021.D
 Acq: 23 Jul 2016 00:38

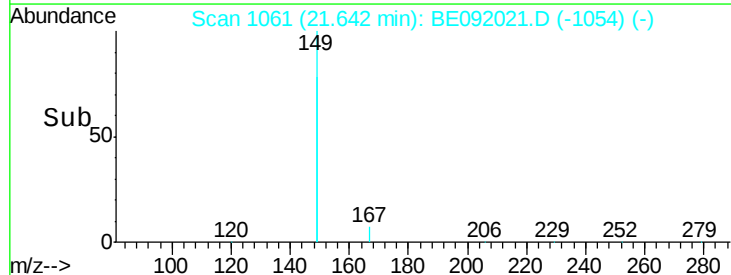
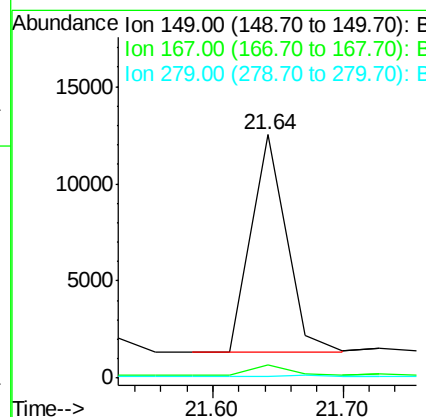
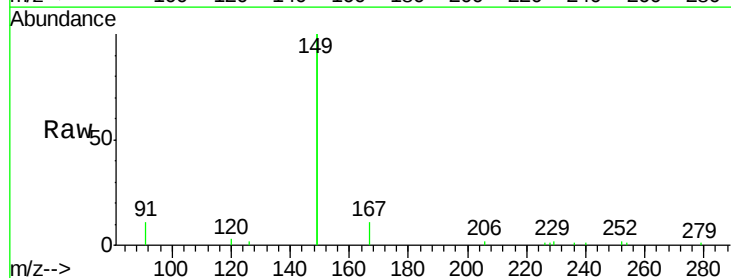
Instrument :
 BNA_E
 ClientSampleId :
 GW-09-6.0-15.0

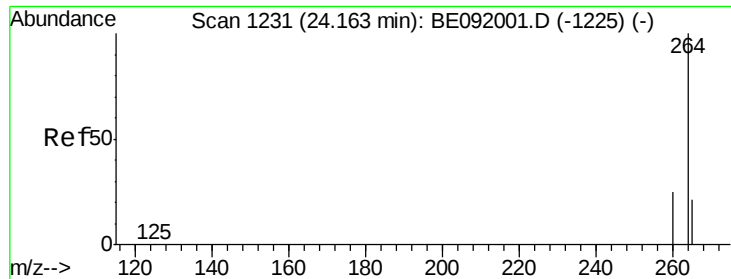
Tgt Ion: 252 Resp: 38
 Ion Ratio Lower Upper
 252 100
 254 84.3 61.5 92.3
 126 114.8 2.5 3.7#



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.50 ng
 RT: 21.64 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BE092021.D
 Acq: 23 Jul 2016 00:38

Tgt Ion: 149 Resp: 20904
 Ion Ratio Lower Upper
 149 100
 167 4.4 0.0 0.0#
 279 0.0 0.0 0.0





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE092021.D

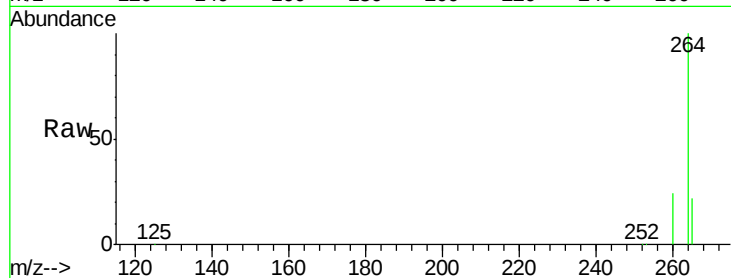
Acq: 23 Jul 2016 00:38

Instrument :

BNA_E

ClientSampleId :

GW-09-6.0-15.0



Tgt Ion: 264 Resp: 199365

Ion Ratio Lower Upper

264 100

260 24.4 20.3 30.5

265 22.3 17.6 26.4

