

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070716\
 Data File : BE091987.D
 Acq On : 7 Jul 2016 19:02
 Operator : UM/SJ
 Sample : H3697-04
 Misc : 4X internal std added
 ALS Vial : 5 Sample Multiplier: 4

Instrument :
 BNA_E
 ClientSampleId :
 EB-GW-02

Quant Time: Jul 08 01:06:51 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

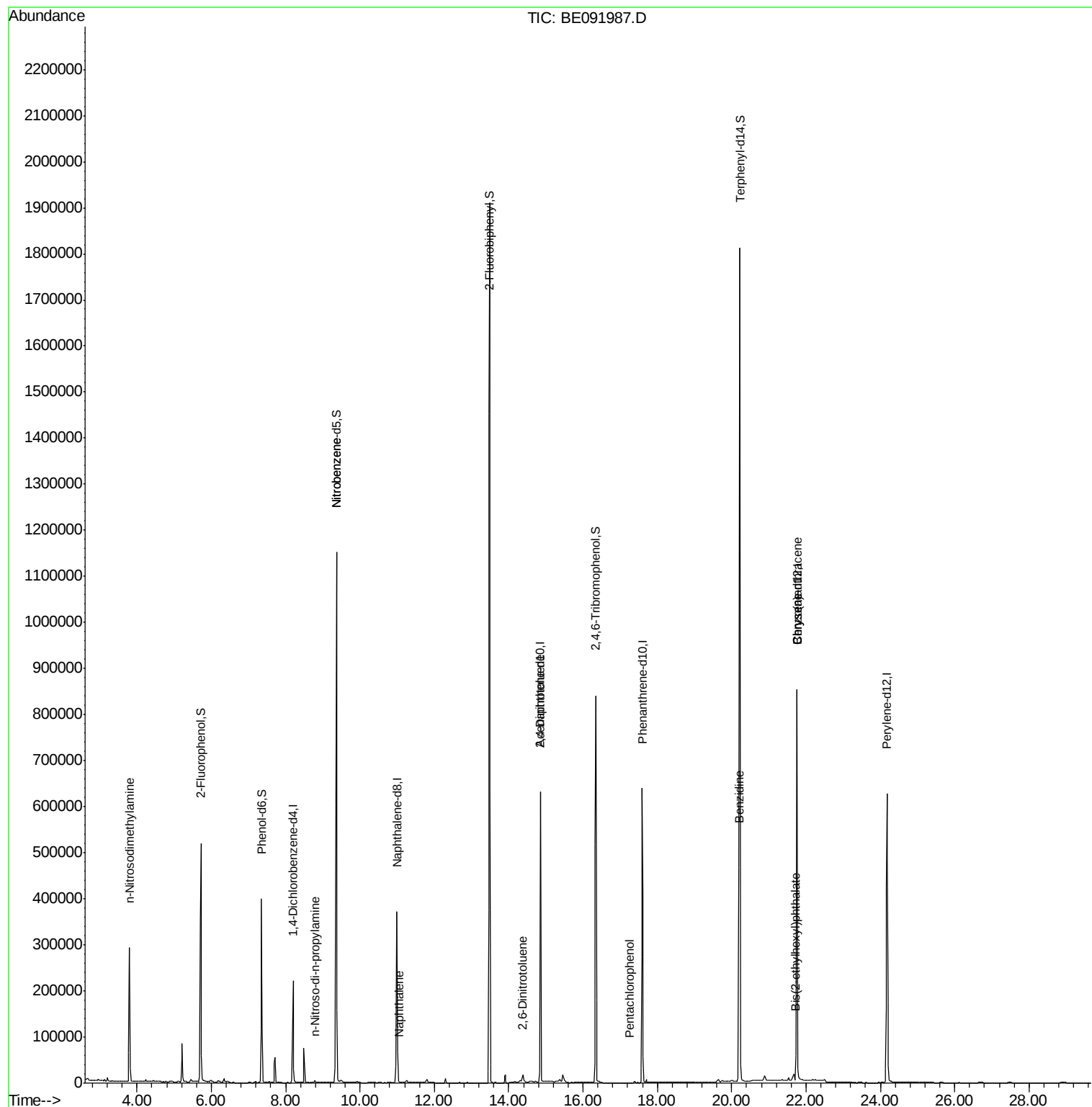
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	117517	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	557221	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	400254	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	803865	5.00	ng	0.00
31) Chrysene-d12	21.76	240	1087948	5.00	ng	0.00
40) Perylene-d12	24.18	264	930490	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	468301	66.63	ng	0.00
5) Phenol-d6	7.35	99	416381	42.64	ng	-0.02
9) Nitrobenzene-d5	9.37	82	1022477	107.76	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	432110	118.98	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	1924292	78.83	ng	0.00
34) Terphenyl-d14	20.22	244	2469326	76.97	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.80	42	20165	1.01	ng	# 1
7) n-Nitroso-di-n-propylamine	8.79	70	4952	0.15	ng	# 15
10) Nitrobenzene	9.37	77	3454	0.08	ng	# 47
12) Naphthalene	11.04	128	2657	0.02	ng	# 92
19) 2,6-Dinitrotoluene	14.38	165	9339	0.21	ng	# 1
21) 2,4-Dinitrotoluene	14.86	165	212537	1.79	ng	# 1
27) Pentachlorophenol	17.25	266	388	0.15	ng	94
32) Benzidine	20.20	184	42056	0.69	ng	97
35) Benzo(a)anthracene	21.76	228	6102	0.03	ng	# 72
36) 3,3'-Dichlorobenzidine	21.67	252	74	Below Cal		# 70
37) Chrysene	21.76	228	6133	0.02	ng	# 63
38) Bis(2-ethylhexyl)phthalate	21.73	149	112689	0.53	ng	# 100

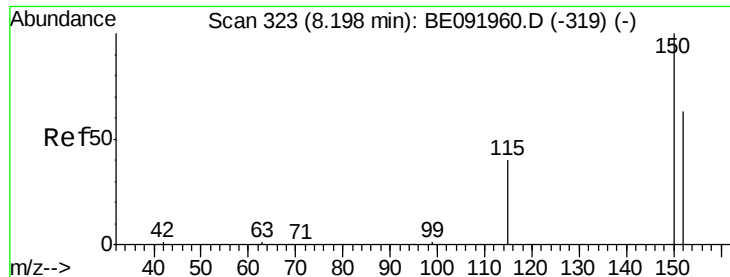
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

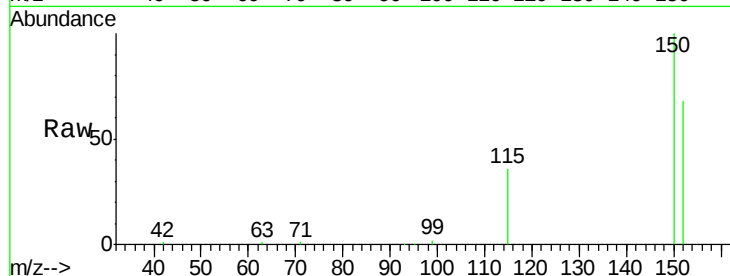
Tgt Ion:152 Resp: 117517

Ion Ratio Lower Upper

152 100

150 146.3 123.9 185.9

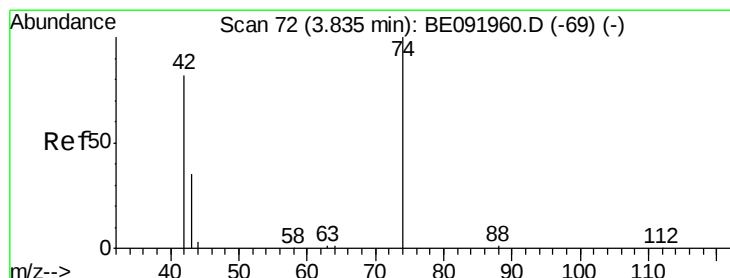
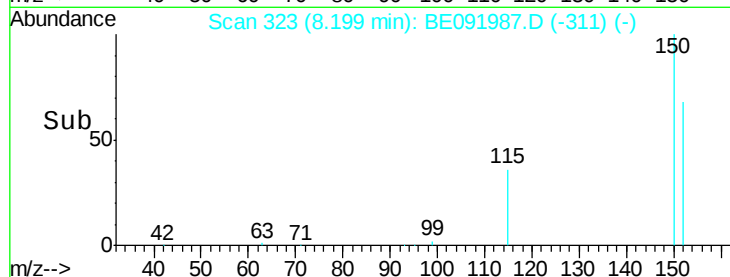
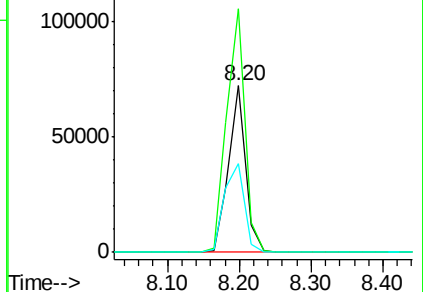
115 53.3 48.3 72.5



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: 1.01 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.04 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

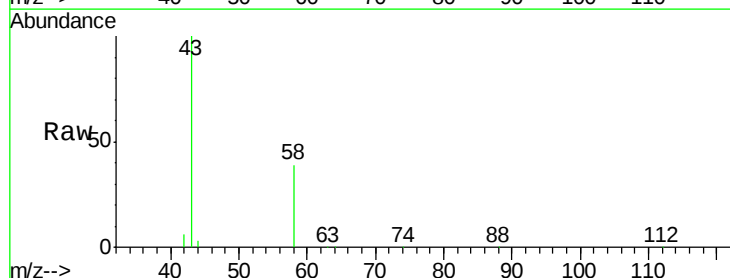
Tgt Ion: 42 Resp: 20165

Ion Ratio Lower Upper

42 100

74 0.3 93.4 140.0#

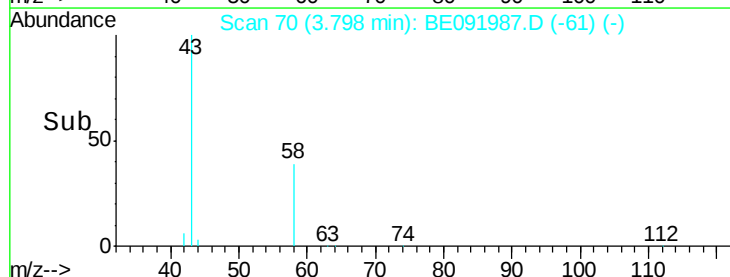
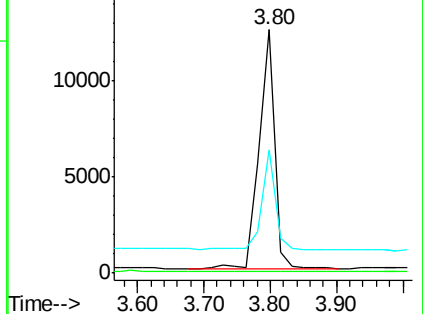
44 37.7 5.0 7.6#

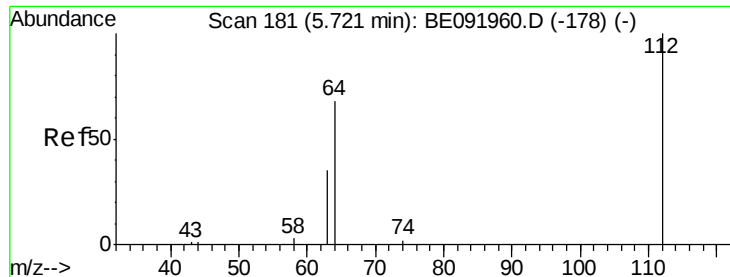


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 66.63 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

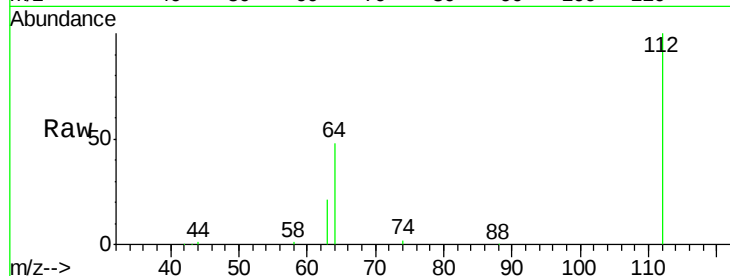
Tgt Ion: 112 Resp: 468301

Ion Ratio Lower Upper

112 100

64 67.6 53.7 80.5

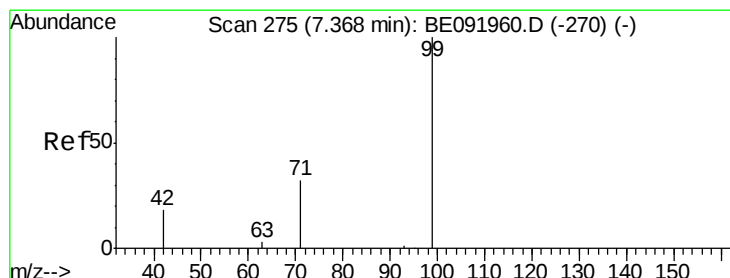
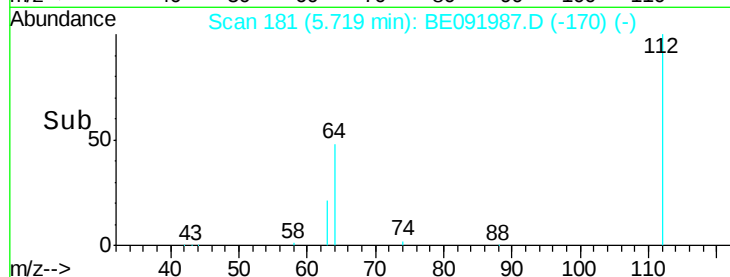
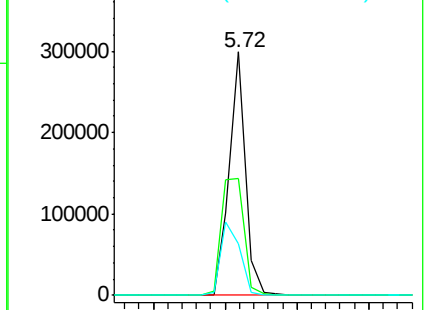
63 36.3 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE091960.D (-178) (-)

Ion 64.00 (63.70 to 64.70): BE091960.D (-178) (-)

Ion 63.00 (62.70 to 63.70): BE091960.D (-178) (-)



#5

Phenol-d6

Concen: 42.64 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

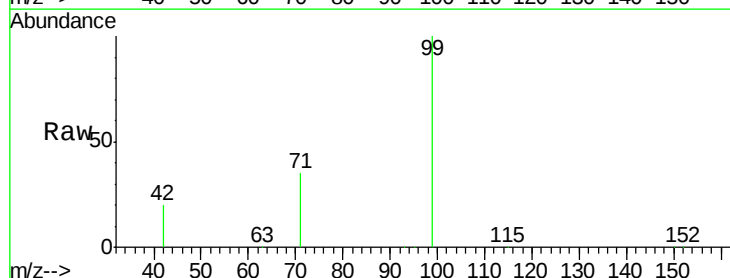
Tgt Ion: 99 Resp: 416381

Ion Ratio Lower Upper

99 100

42 24.5 19.6 29.4

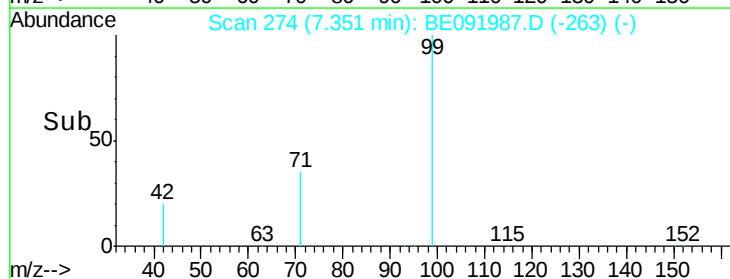
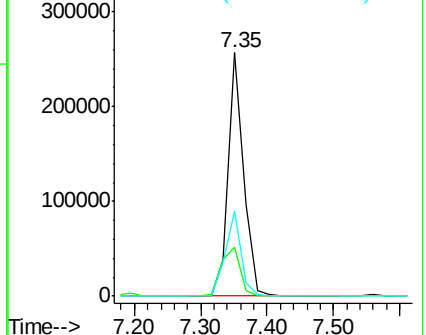
71 36.0 28.1 42.1

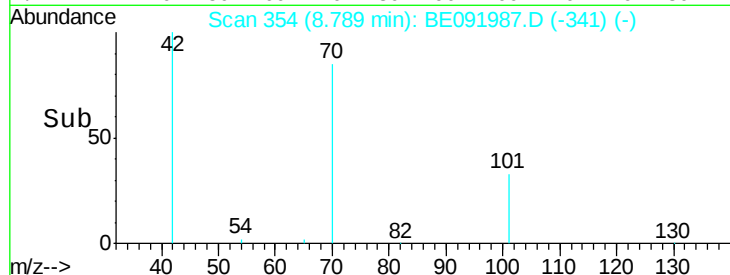
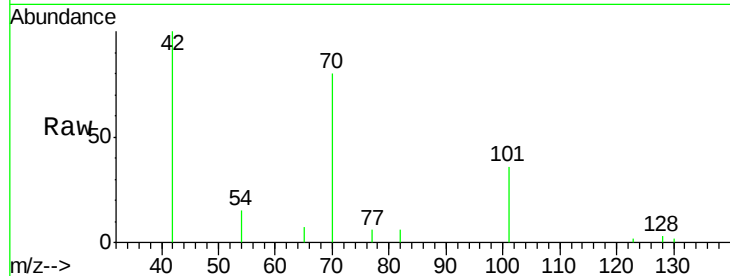
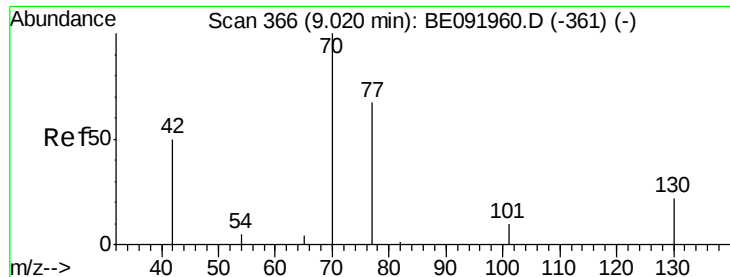


Abundance Ion 99.00 (98.70 to 99.70): BE091960.D (-270) (-)

Ion 42.00 (41.70 to 42.70): BE091960.D (-270) (-)

Ion 71.00 (70.70 to 71.70): BE091960.D (-270) (-)





#7

n-Nitroso-di-n-propylamine

Concen: 0.15 ng

RT: 8.79 min Scan# 354

Delta R.T. -0.23 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

Tgt Ion: 70 Resp: 4952

Ion Ratio Lower Upper

70 100

42 143.2 58.4 87.6#

101 43.6 6.4 9.6#

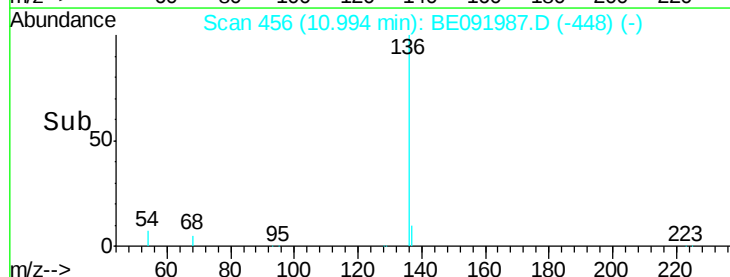
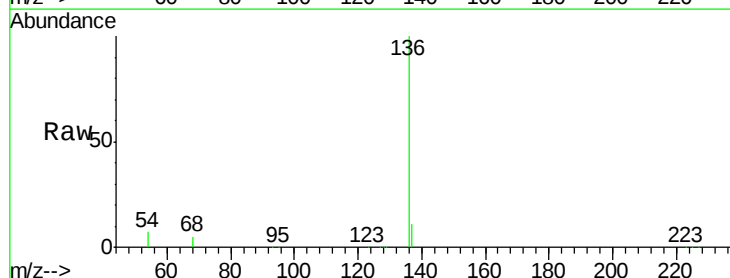
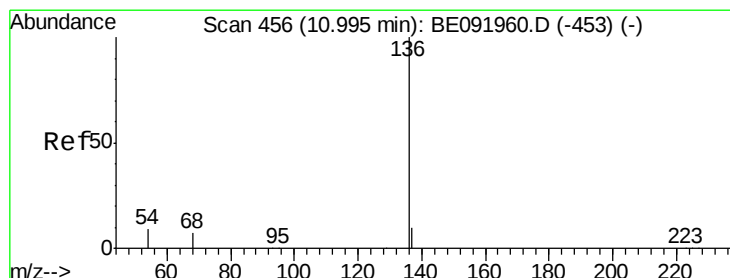
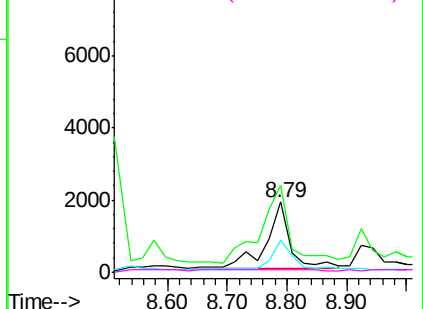
130 0.0 0.0 0.0

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



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Tgt Ion: 136 Resp: 557221

Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 7.0 8.2 12.4#

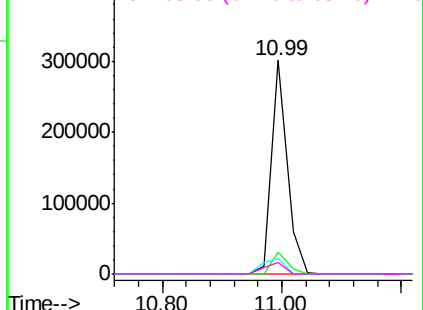
68 5.4 5.9 8.9#

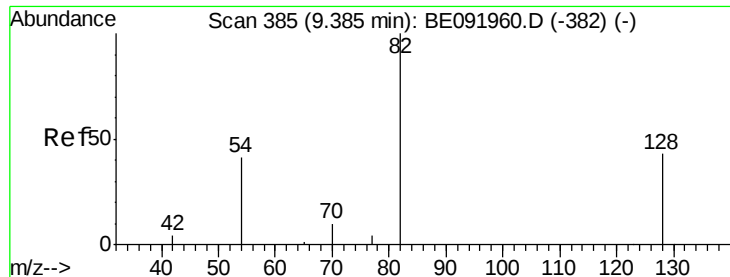
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 107.76 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

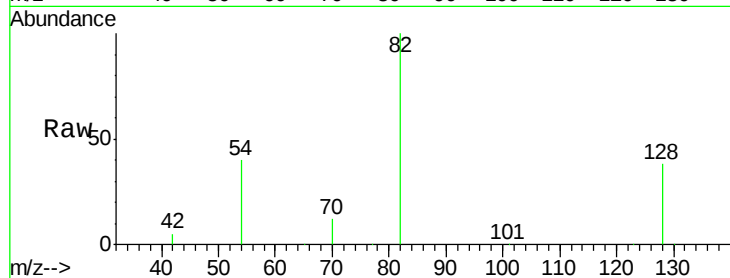
Tgt Ion: 82 Resp: 1022477

Ion Ratio Lower Upper

82 100

128 37.6 39.5 59.3#

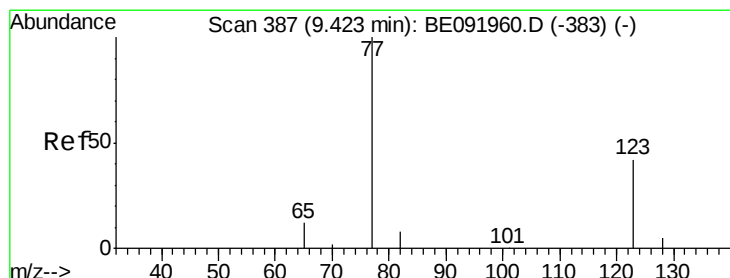
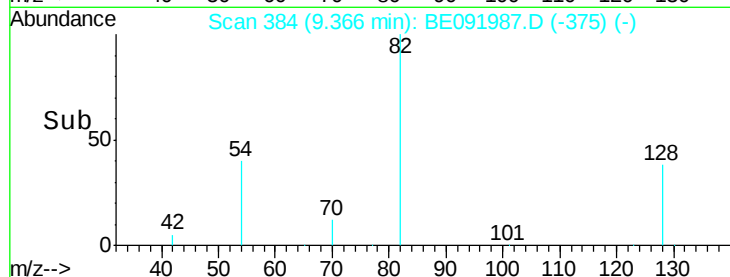
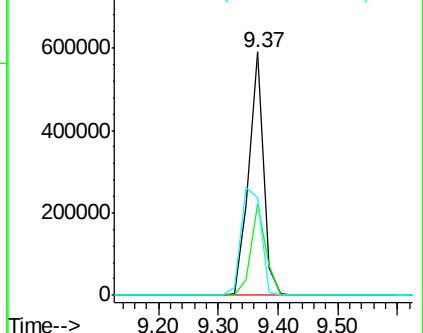
54 39.9 30.3 45.5



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: 0.08 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.06 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

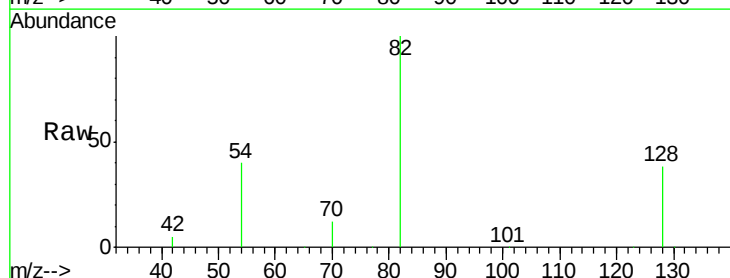
Tgt Ion: 77 Resp: 3454

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

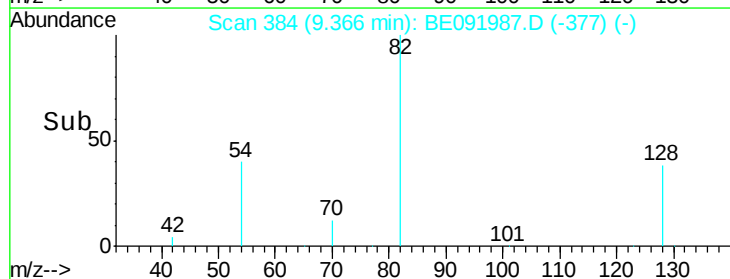
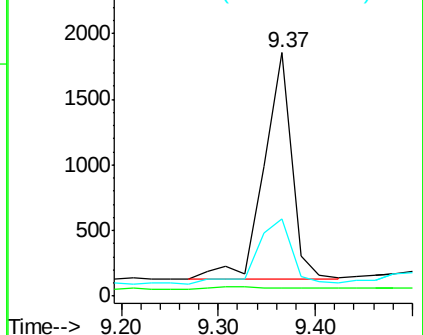
65 35.4 11.1 16.7#

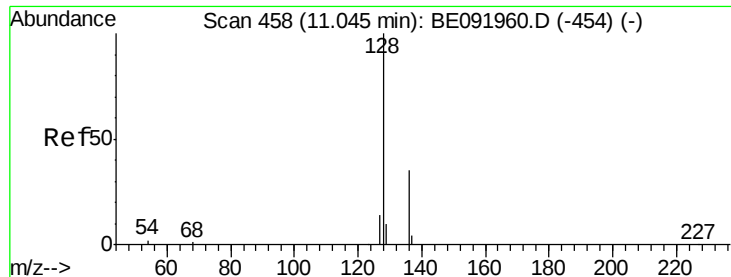


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

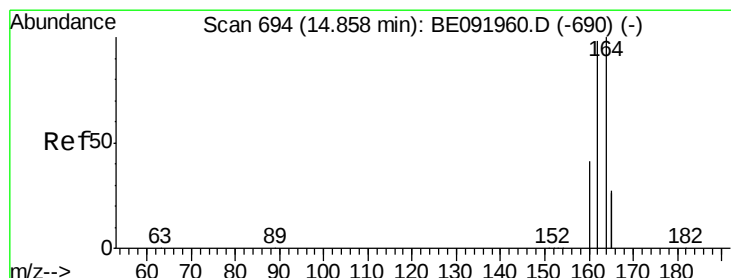
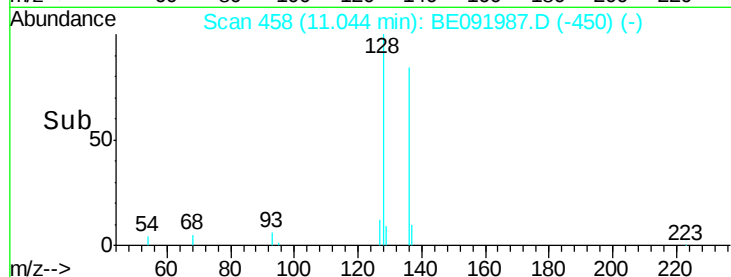
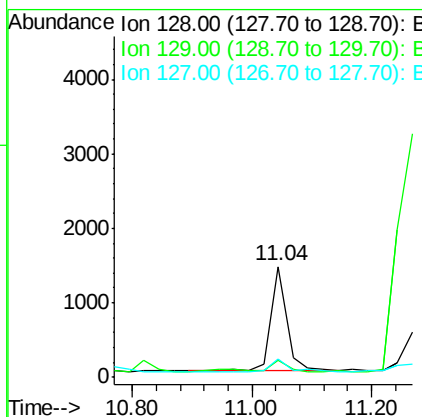
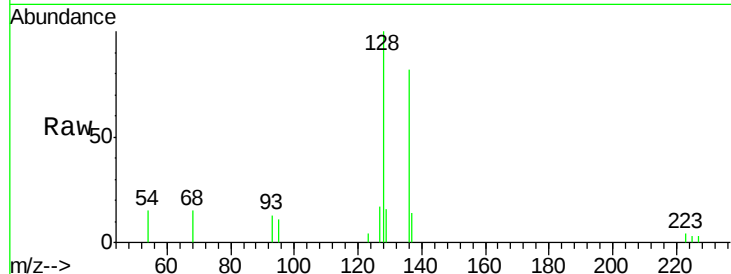




#12
Naphthalene
Concen: 0.02 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091987.D
Acq: 7 Jul 2016 19:02

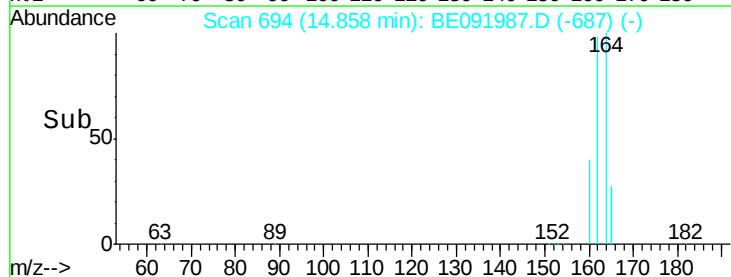
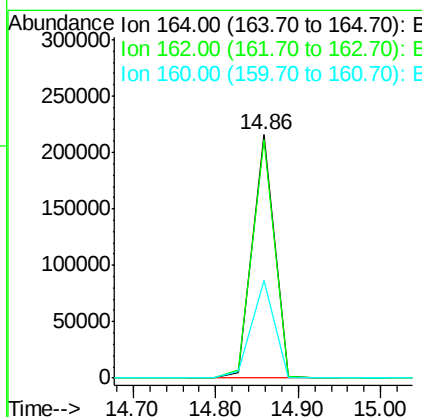
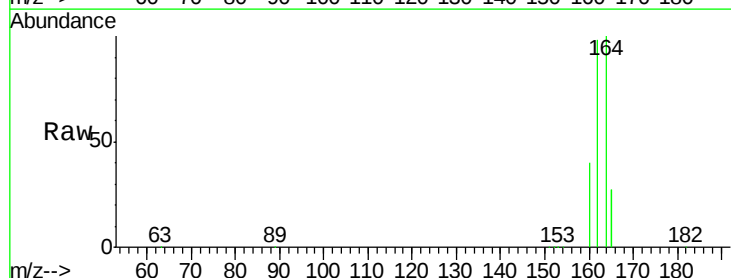
Instrument :
BNA_E
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EB-GW-02

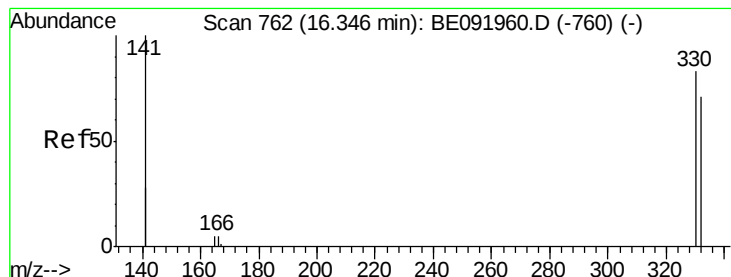
Tgt Ion:128 Resp: 2657
Ion Ratio Lower Upper
128 100
129 15.6 10.4 15.6#
127 16.7 10.2 15.2#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091987.D
Acq: 7 Jul 2016 19:02

Tgt Ion:164 Resp: 400254
Ion Ratio Lower Upper
164 100
162 97.8 71.8 107.8
160 40.0 28.0 42.0





#16

2,4,6-Tribromophenol

Concen: 118.98 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

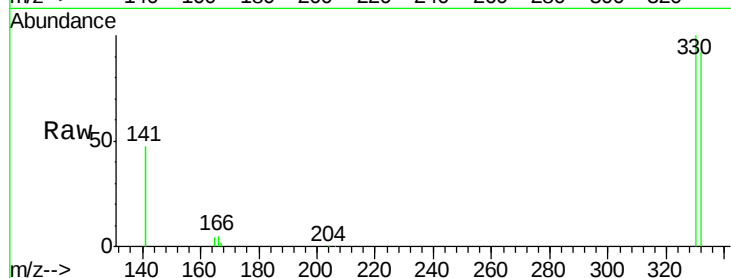
Tgt Ion:330 Resp: 432110

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

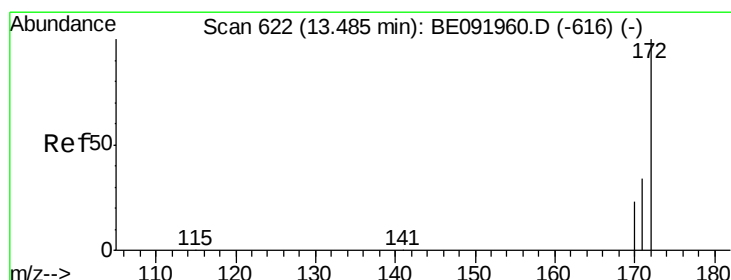
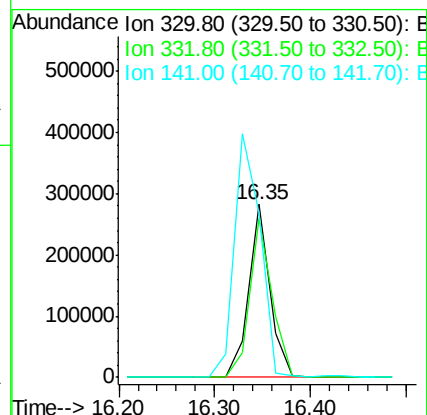
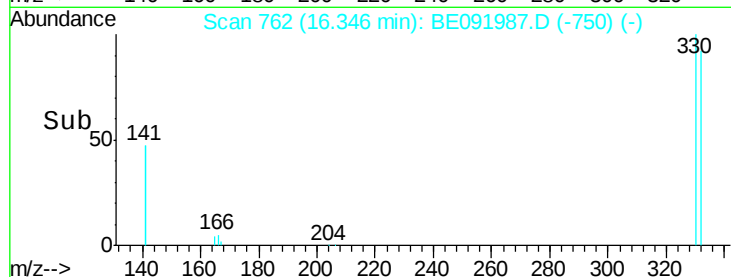
141 170.9 138.4 207.6



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: 78.83 ng

RT: 13.49 min Scan# 622

Delta R.T. 0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

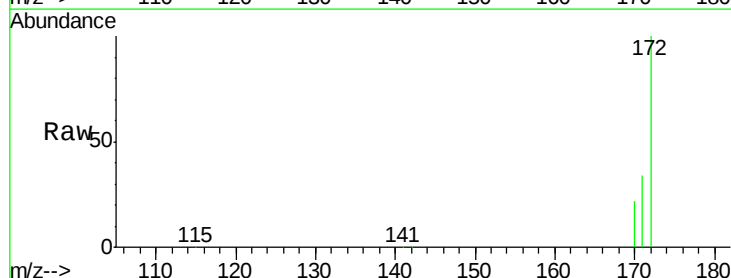
Tgt Ion:172 Resp: 1924292

Ion Ratio Lower Upper

172 100

171 34.1 24.3 36.5

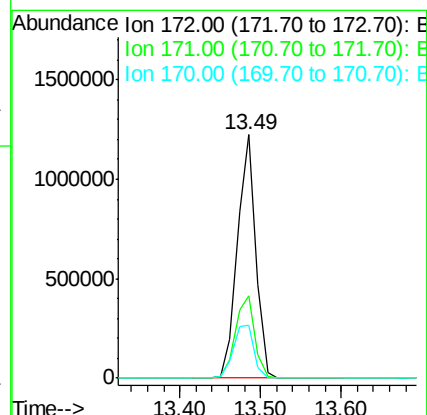
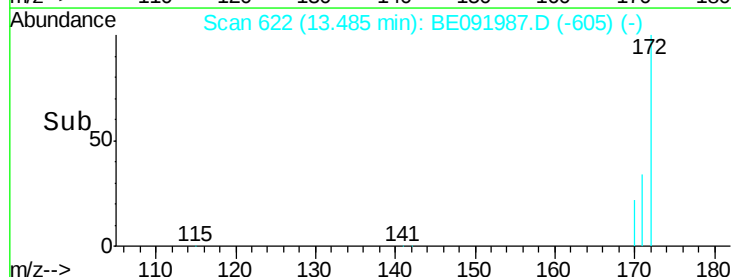
170 21.6 14.9 22.3

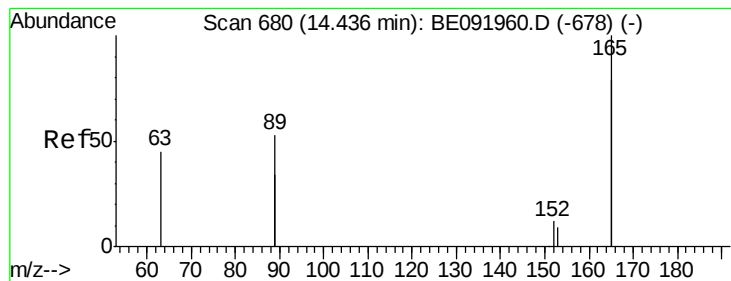


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

2,6-Dinitrotoluene

Concen: 0.21 ng

RT: 14.38 min Scan# 678

Delta R.T. -0.06 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

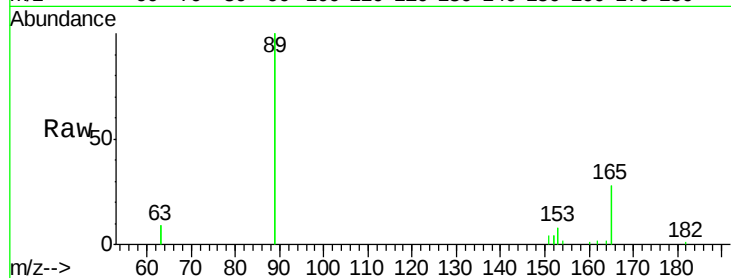
Tgt Ion:165 Resp: 9339

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

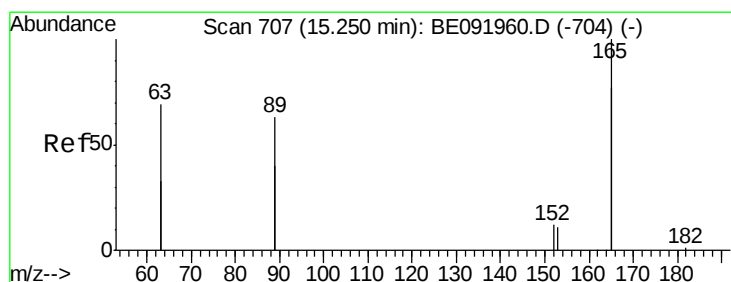
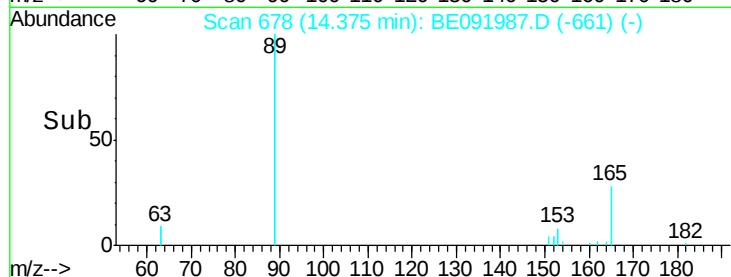
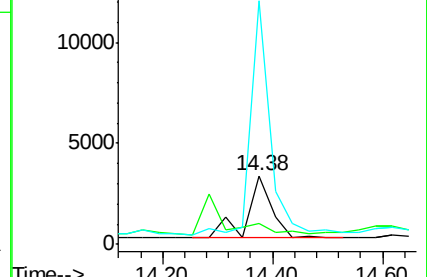
89 322.3 59.1 88.7#



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: 1.79 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Tgt Ion:165 Resp: 212537

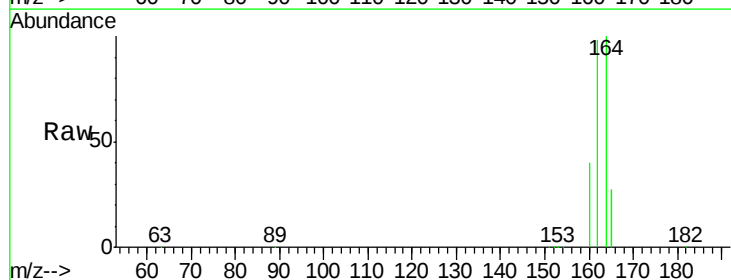
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

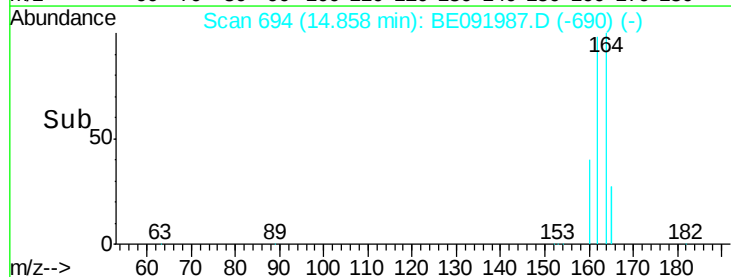
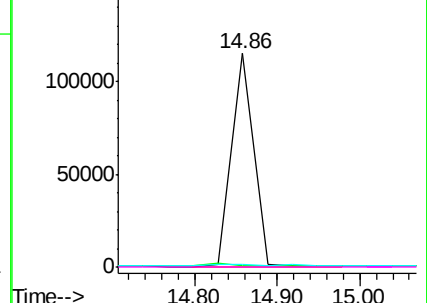


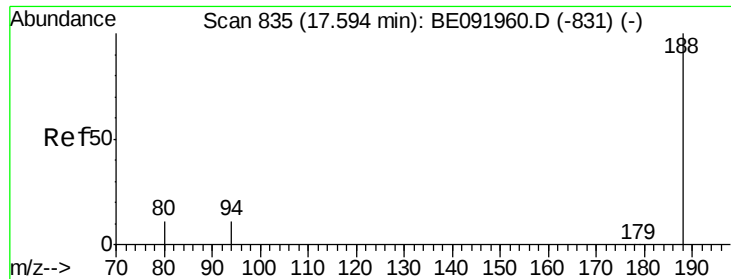
Abundance Ion 165.00 (164.70 to 165.70): E

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





#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. 0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

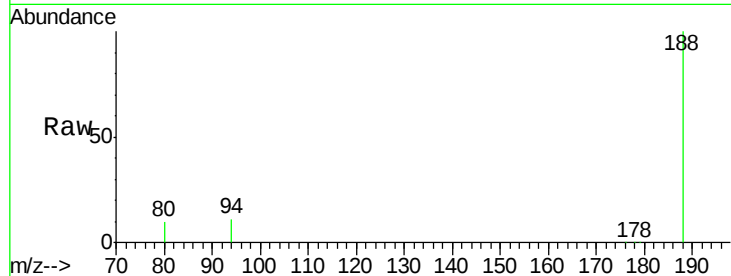
Tgt Ion:188 Resp: 803865

Ion Ratio Lower Upper

188 100

94 10.6 4.1 6.1#

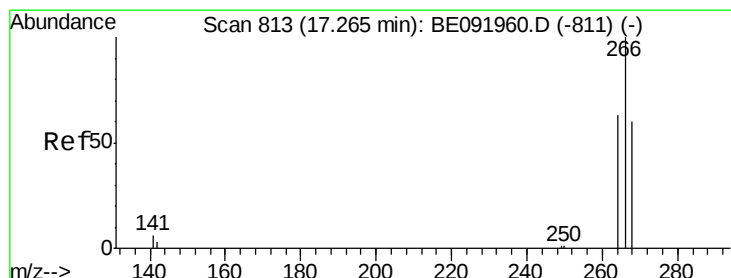
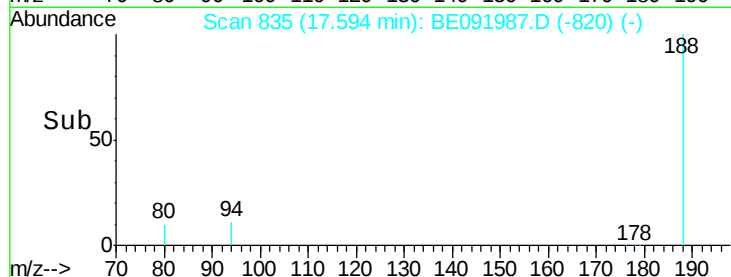
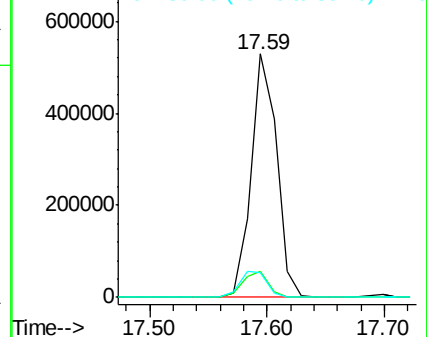
80 10.3 3.4 5.2#



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



#27

Pentachlorophenol

Concen: 0.15 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

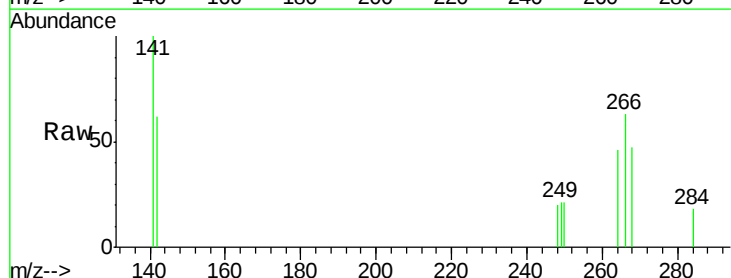
Tgt Ion:266 Resp: 388

Ion Ratio Lower Upper

266 100

268 74.1 60.5 90.7

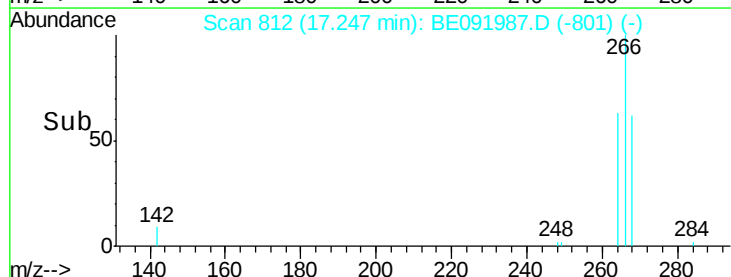
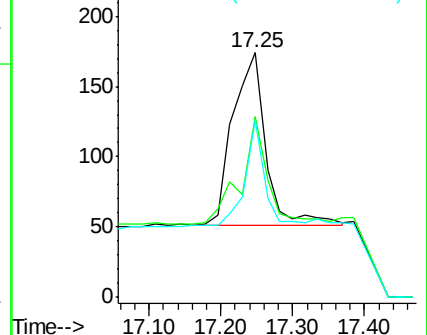
264 72.4 51.0 76.4

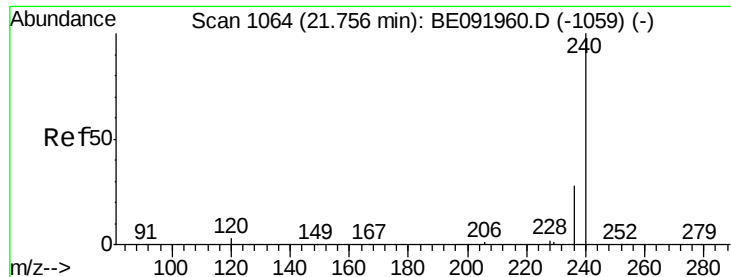


Abundance Ion 265.70 (265.40 to 266.40): E

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# 1064

Delta R.T. 0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

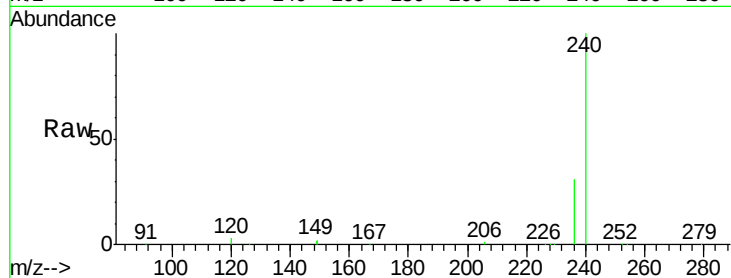
Tgt Ion:240 Resp: 1087948

Ion Ratio Lower Upper

240 100

120 3.1 1.2 1.8#

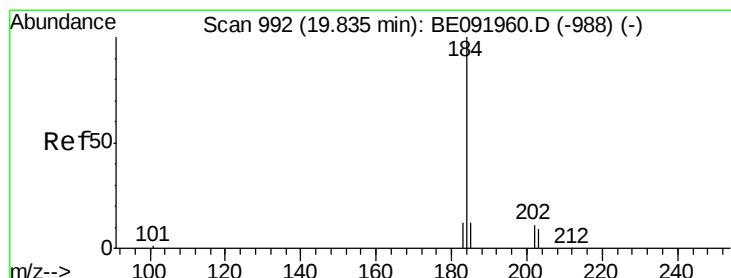
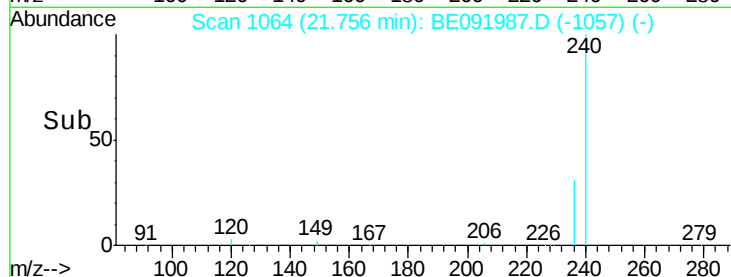
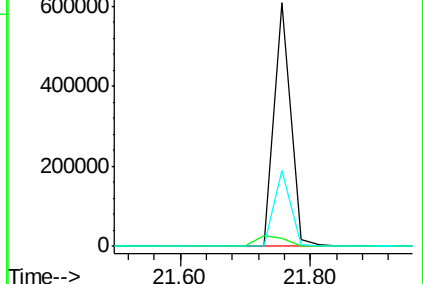
236 31.4 19.8 29.8#



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: 0.69 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

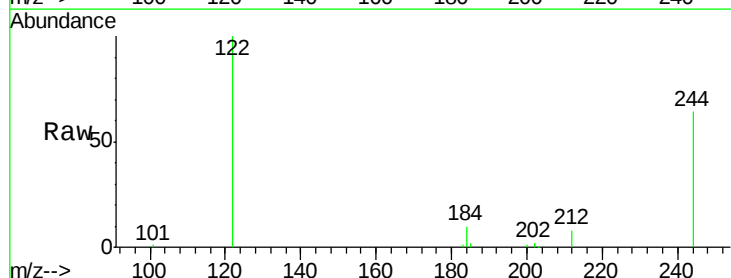
Tgt Ion:184 Resp: 42056

Ion Ratio Lower Upper

184 100

185 16.0 11.4 17.2

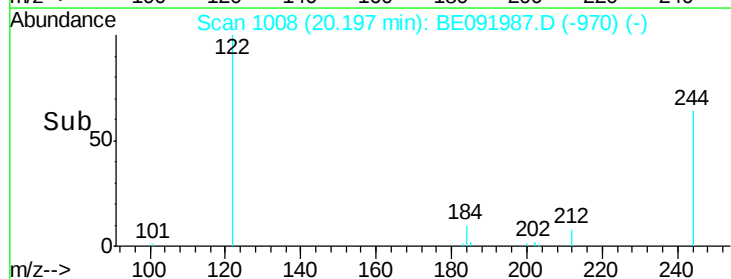
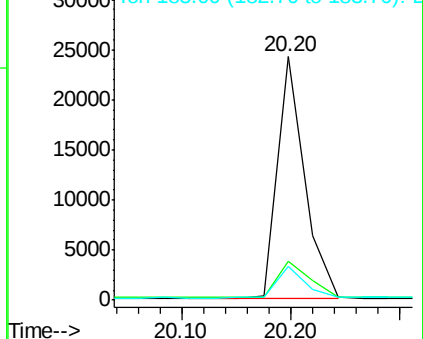
183 13.9 11.8 17.6

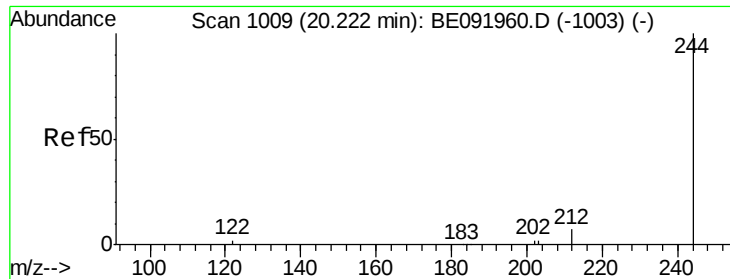


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#34

Terphenyl-d14

Concen: 76.97 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

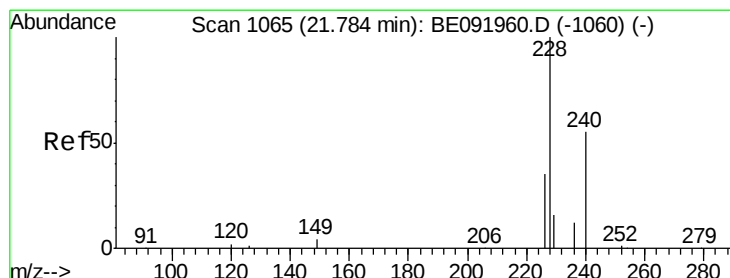
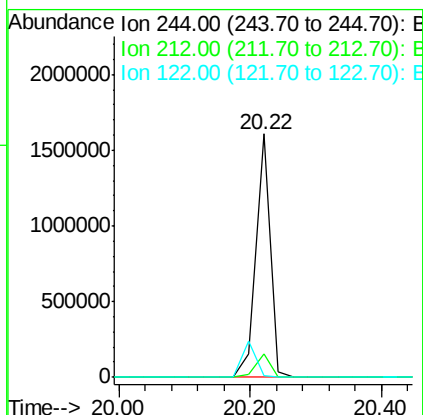
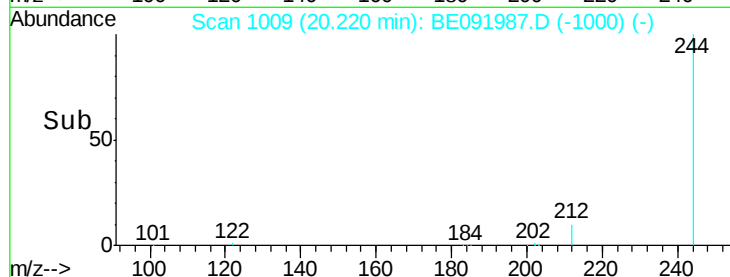
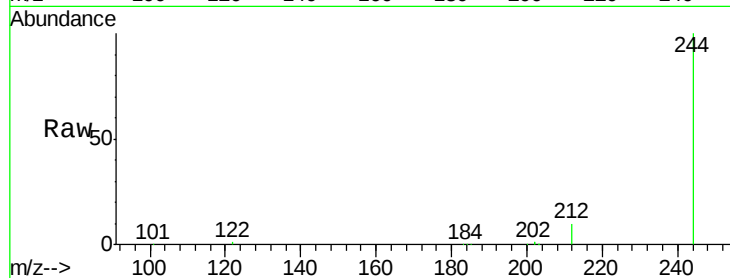
Tgt Ion:244 Resp: 2469326

Ion Ratio Lower Upper

244 100

212 9.6 6.5 9.7

122 0.9 2.9 4.3#



#35

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

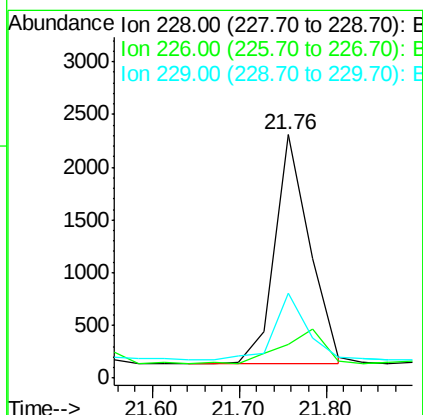
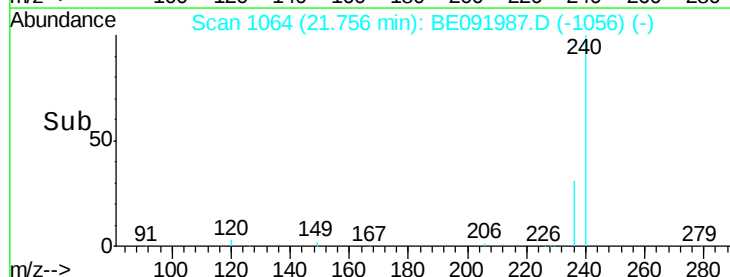
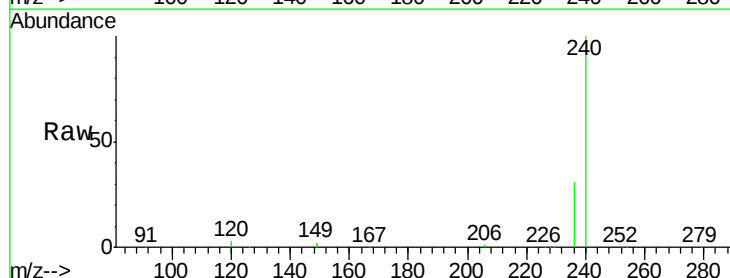
Tgt Ion:228 Resp: 6102

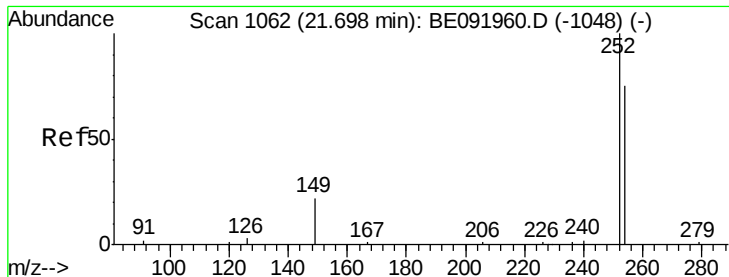
Ion Ratio Lower Upper

228 100

226 13.8 21.0 31.4#

229 35.1 15.8 23.8#

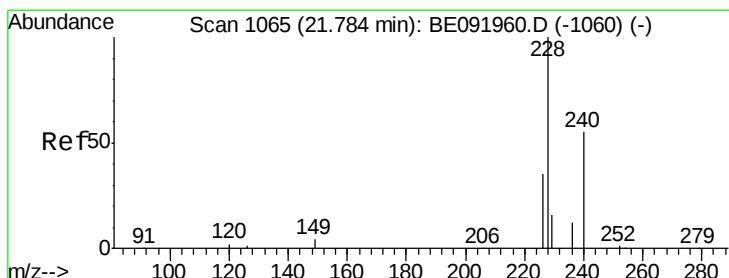
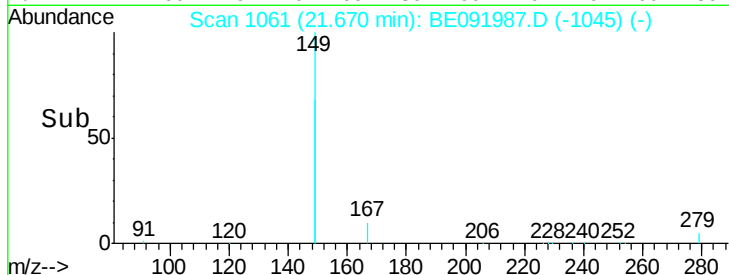
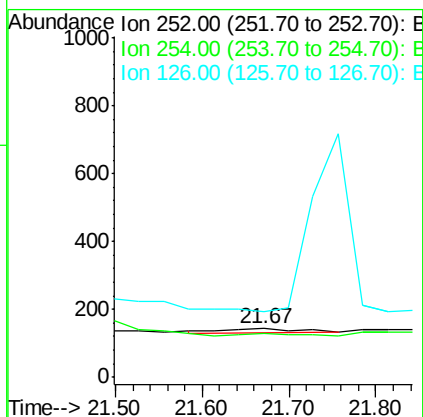
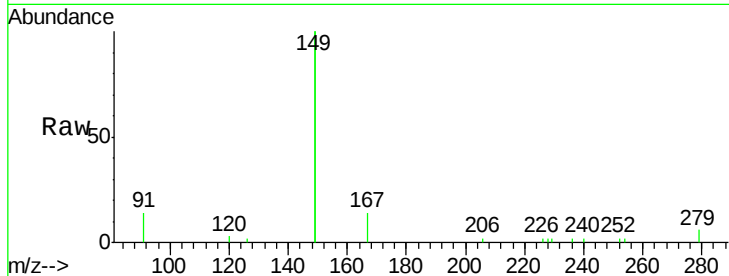




#36
 3,3'-Dichlorobenzidine
 Concen: Below Cal
 RT: 21.67 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BE091987.D
 Acq: 7 Jul 2016 19:02

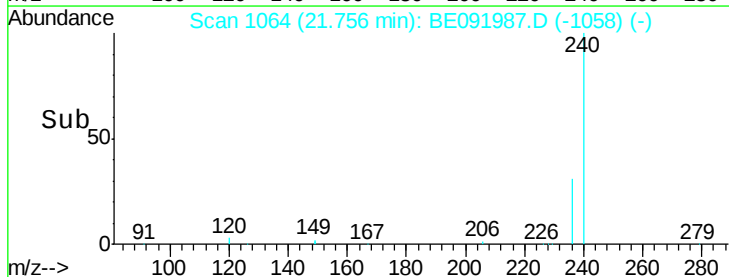
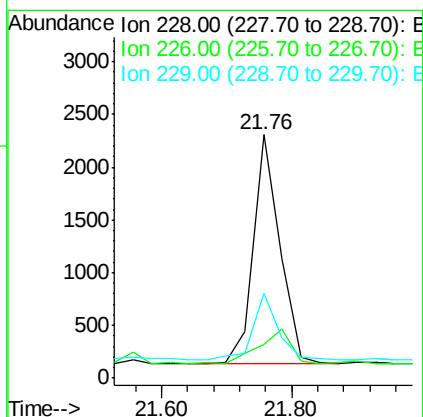
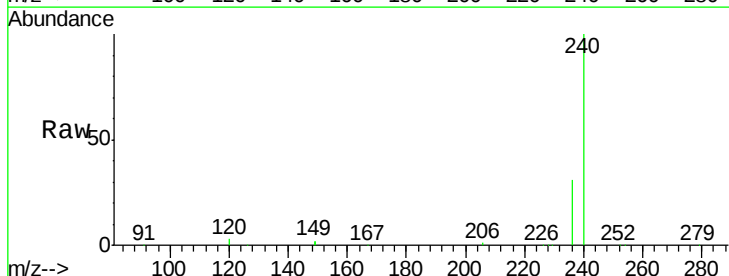
Instrument :
 BNA_E
 ClientSampleId :
 EB-GW-02

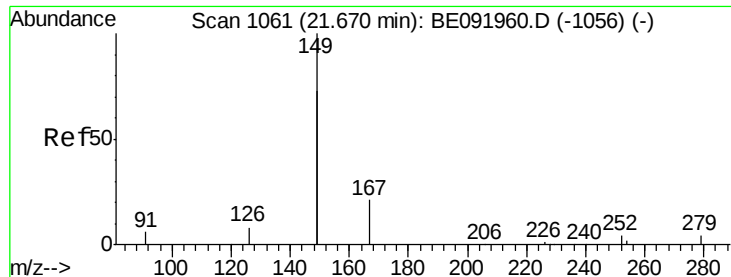
Tgt Ion: 252 Resp: 74
 Ion Ratio Lower Upper
 252 100
 254 89.5 61.5 92.3
 126 135.7 2.5 3.7#



#37
 Chrysene
 Concen: 0.02 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. -0.03 min
 Lab File: BE091987.D
 Acq: 7 Jul 2016 19:02

Tgt Ion: 228 Resp: 6133
 Ion Ratio Lower Upper
 228 100
 226 13.8 27.0 40.6#
 229 35.1 13.8 20.8#





#38

Bis(2-ethylhexyl)phthalate

Concen: 0.53 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.06 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

Instrument :

BNA_E

ClientSampleId :

EB-GW-02

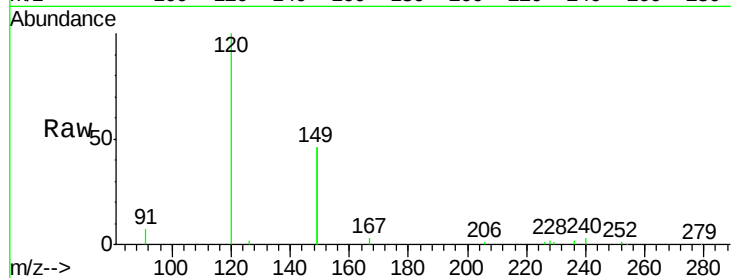
Tgt Ion:149 Resp: 112689

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

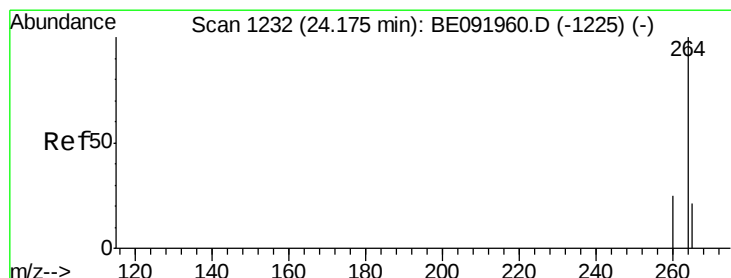
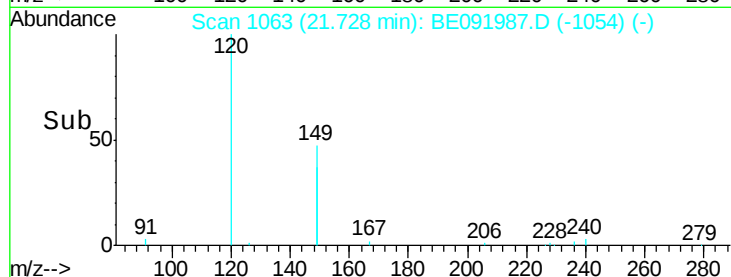
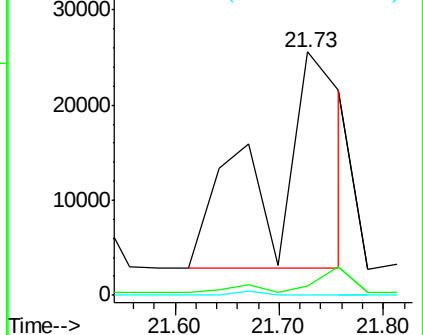
279 0.0 0.0 0.0



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.18 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091987.D

Acq: 7 Jul 2016 19:02

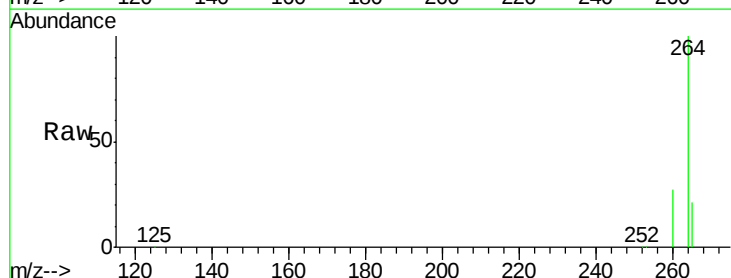
Tgt Ion:264 Resp: 930490

Ion Ratio Lower Upper

264 100

260 26.6 20.3 30.5

265 21.4 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

