

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092126.D
 Acq On : 3 Aug 2016 00:32
 Operator : UM/SJ
 Sample : H4152-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-17-6.5-15.0

Quant Time: Aug 03 03:55:11 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

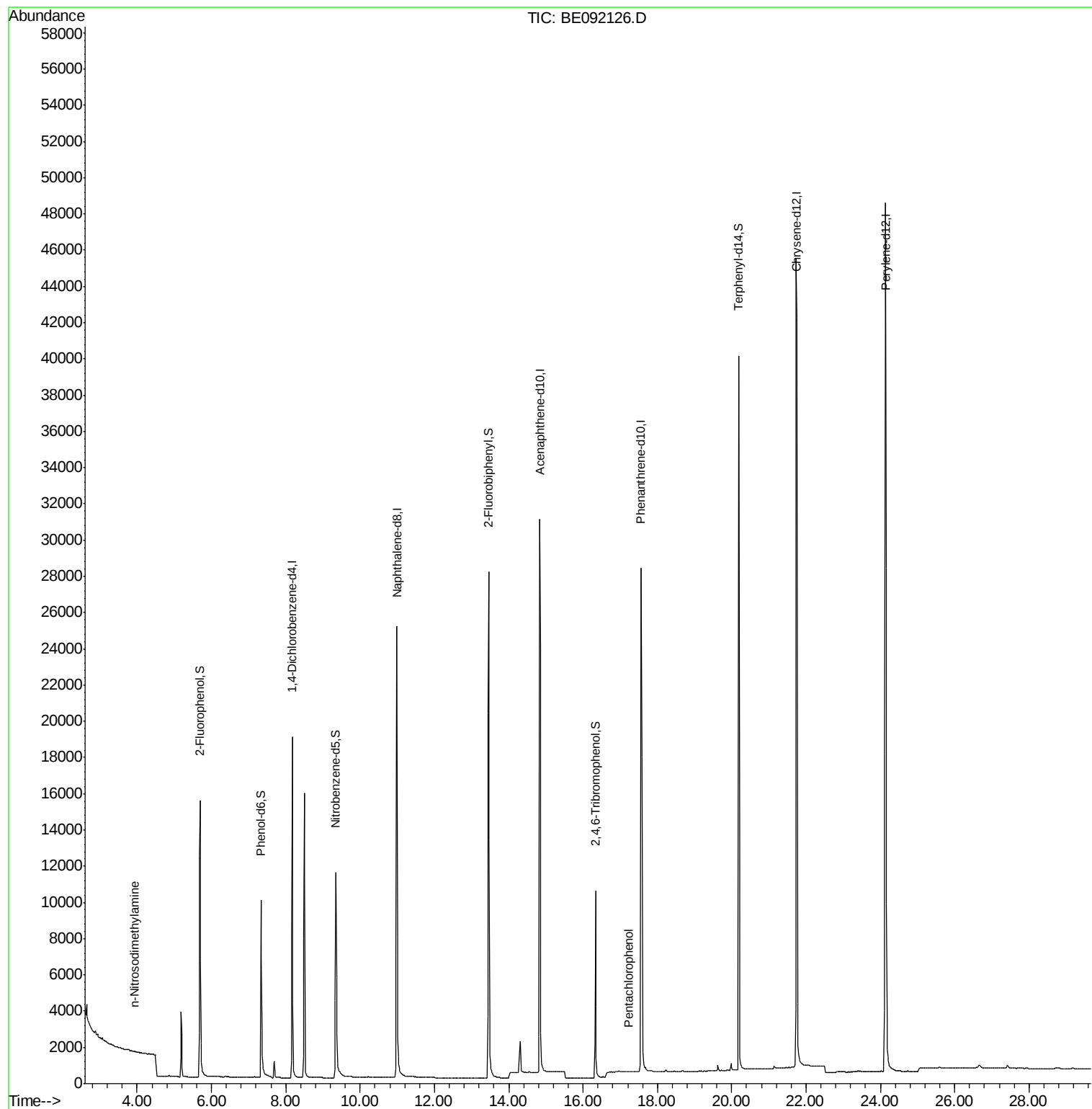
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10123	5.00	ng	0.00
6) Naphthalene-d8	10.99	136	44088	5.00	ng	0.00
10) Acenaphthene-d10	14.83	164	23746	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	51990	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	68488	5.00	ng	0.00
28) Perylene-d12	24.14	264	73007	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	13886	5.34	ng	0.00
5) Phenol-d6	7.34	99	11915	3.44	ng	-0.01
7) Nitrobenzene-d5	9.34	82	14015	4.03	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7471	9.69	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	31633	4.20	ng	0.00
24) Terphenyl-d14	20.19	244	48302	4.91	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.92	42	2	0.09	ng	# 1
8) Naphthalene	11.03	128	62	Below Cal		# 1
18) Pentachlorophenol	17.24	266	30	0.22	ng	# 83
19) Phenanthrene	17.60	178	229	Below Cal		# 80
30) Benzo(k)fluoranthene	23.46	252	87	Below Cal		# 1

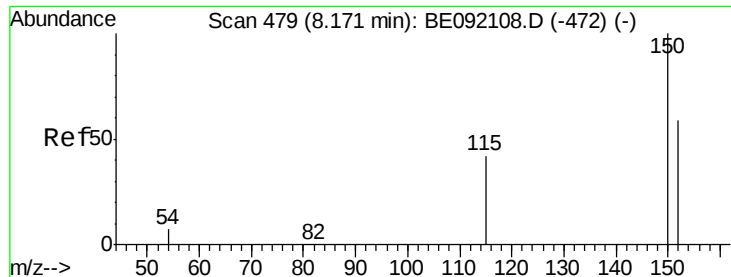
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

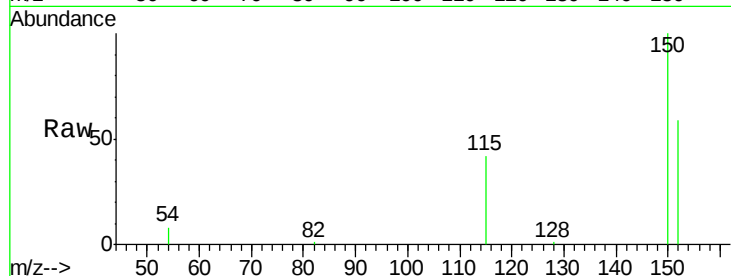
Tgt Ion:152 Resp: 10123

Ion Ratio Lower Upper

152 100

150 169.0 106.0 159.0#

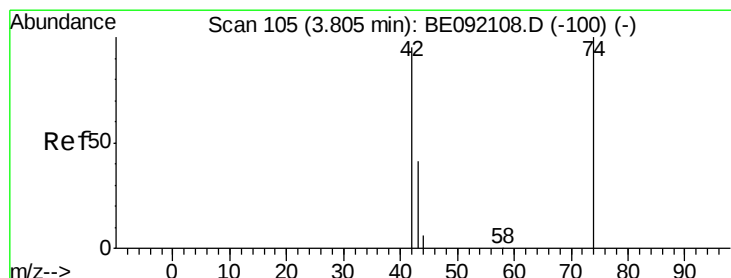
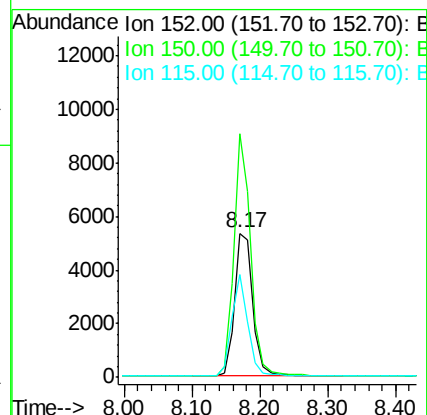
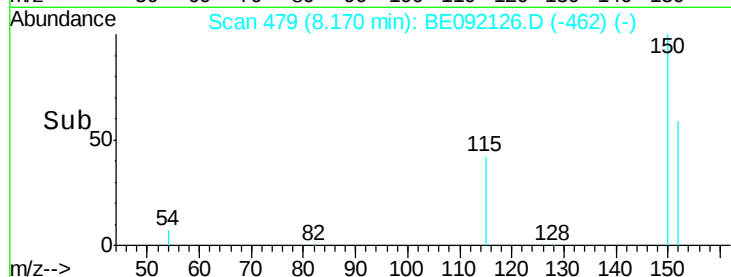
115 71.5 36.9 55.3#



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: 0.09 ng

RT: 3.92 min Scan# 115

Delta R.T. 0.11 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

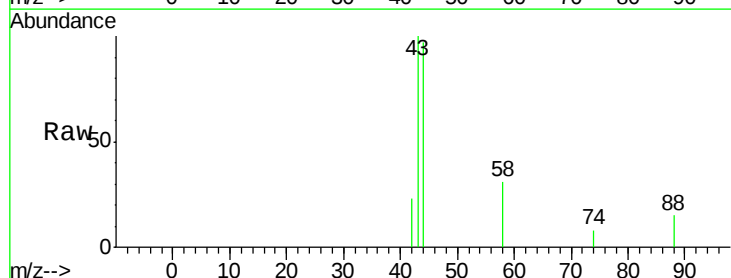
Tgt Ion: 42 Resp: 2

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

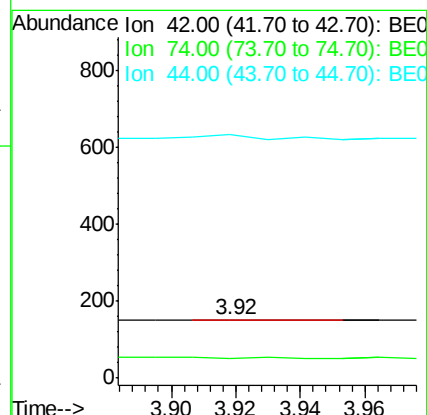
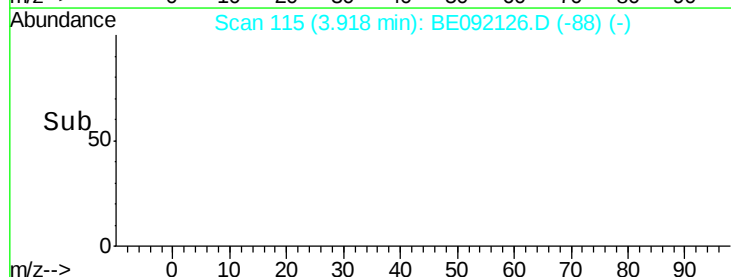
44 1100.0 9.0 13.4#

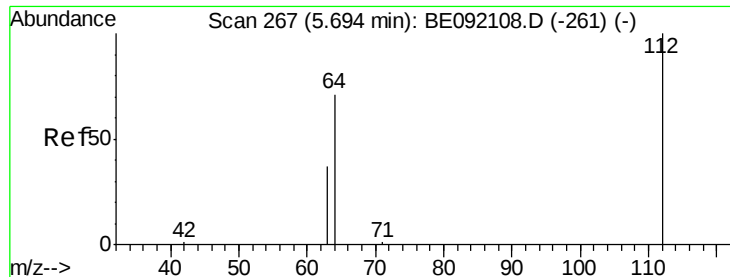


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.34 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

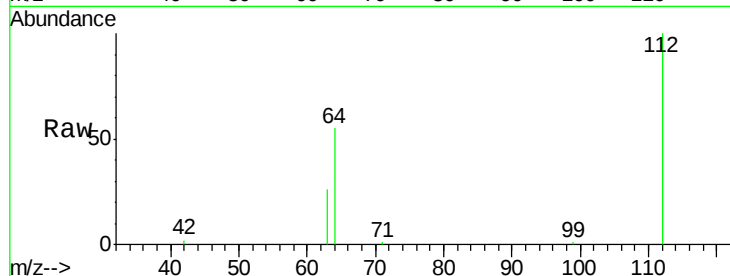
Tgt Ion: 112 Resp: 13886

Ion Ratio Lower Upper

112 100

64 66.5 55.9 83.9

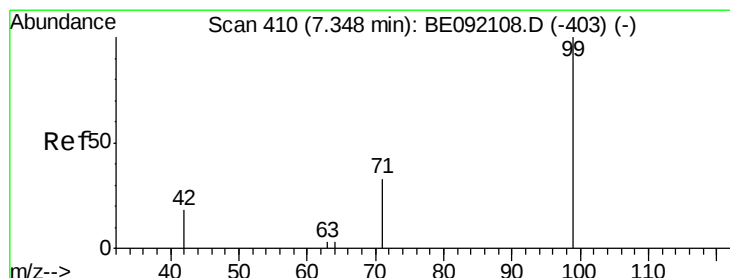
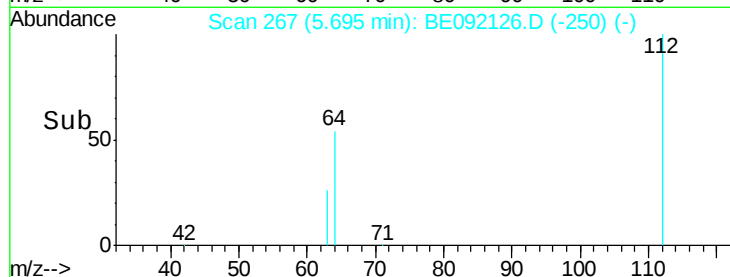
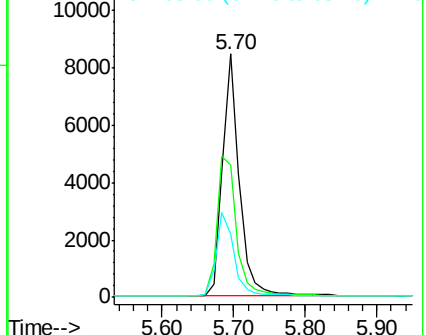
63 36.1 31.1 46.7



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: 3.44 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

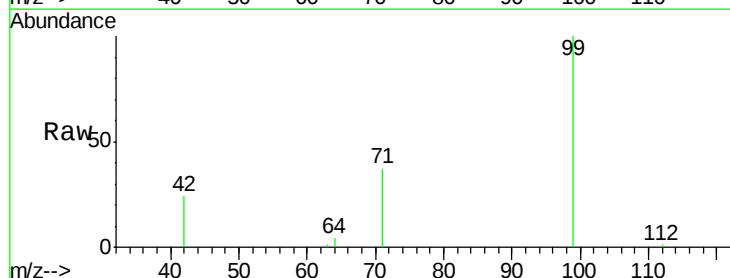
Tgt Ion: 99 Resp: 11915

Ion Ratio Lower Upper

99 100

42 24.7 22.4 33.6

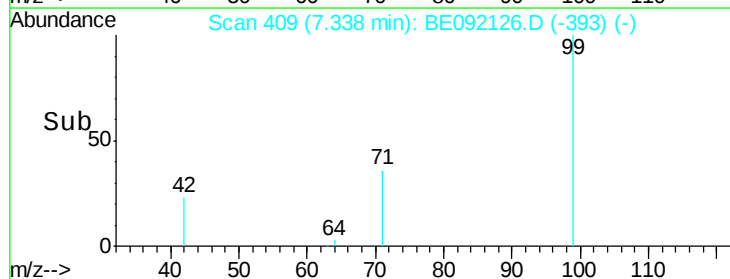
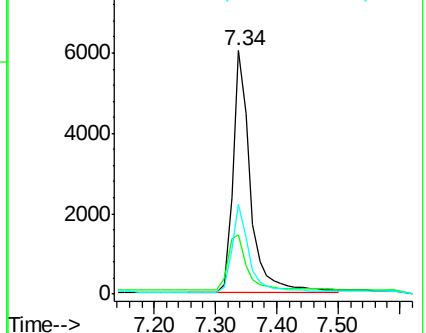
71 35.1 28.9 43.3

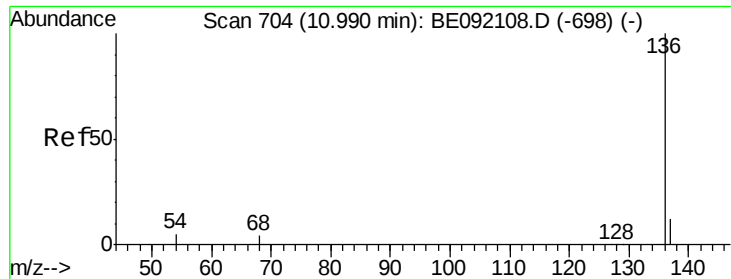


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 704

Delta R.T. -0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

Tgt Ion:136 Resp: 44088

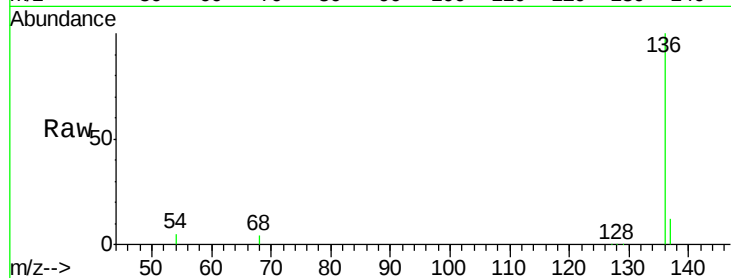
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 5.3 2.7 4.1#

68 4.2 2.2 3.4#

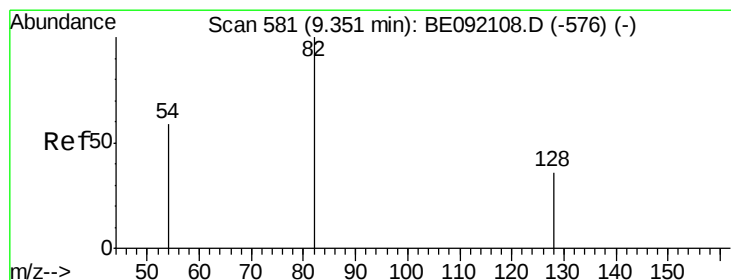
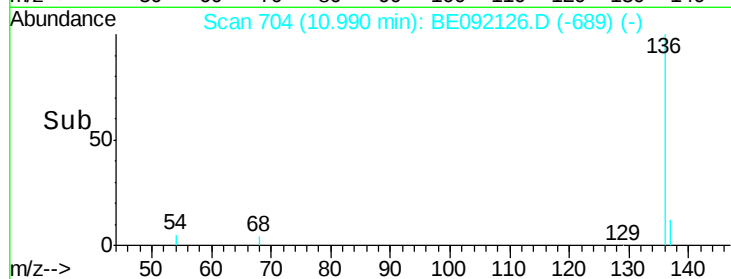
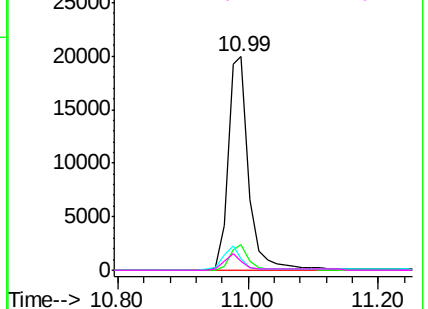


Abundance Ion 136.00 (135.70 to 136.70): E

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



#7

Nitrobenzene-d5

Concen: 4.03 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

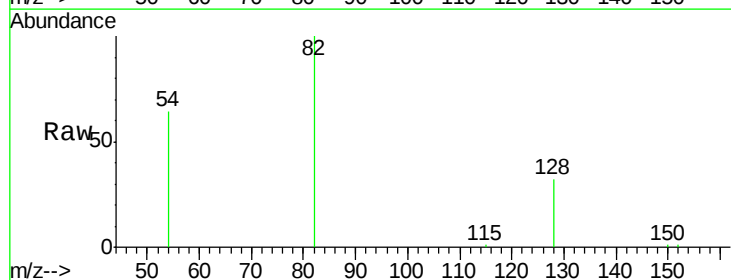
Tgt Ion: 82 Resp: 14015

Ion Ratio Lower Upper

82 100

128 31.8 33.0 49.4#

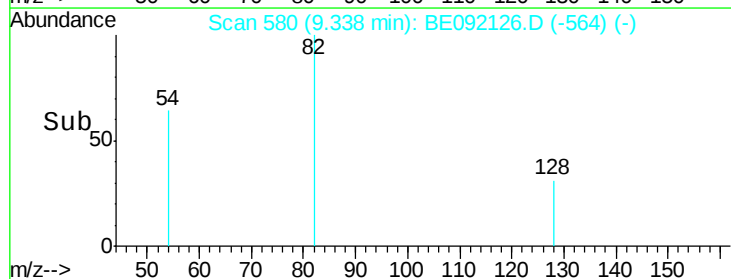
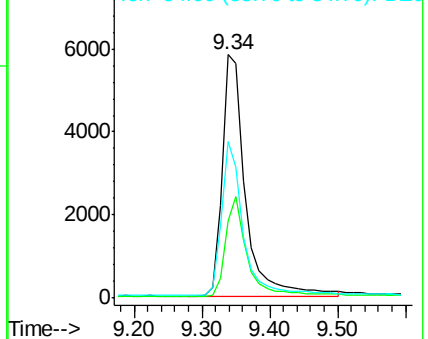
54 64.2 42.6 63.8#

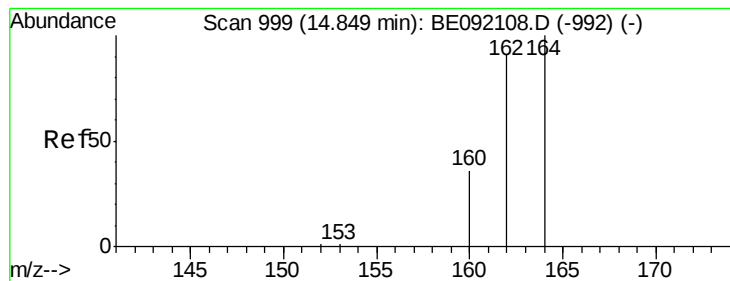


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

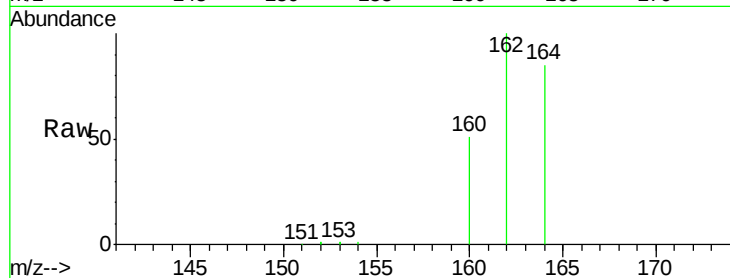
Tgt Ion:164 Resp: 23746

Ion Ratio Lower Upper

164 100

162 117.3 69.5 104.3#

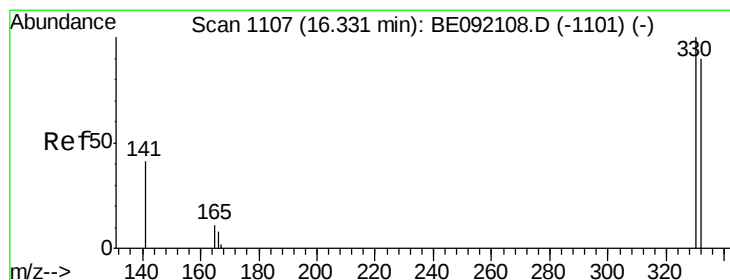
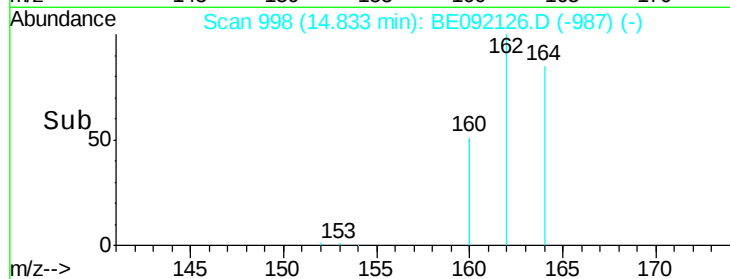
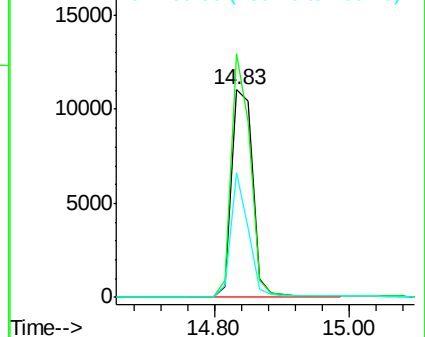
160 59.8 27.6 41.4#



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



#11

2,4,6-Tribromophenol

Concen: 9.69 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

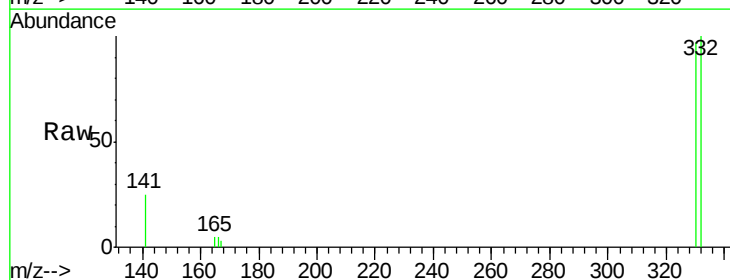
Tgt Ion:330 Resp: 7471

Ion Ratio Lower Upper

330 100

332 97.1 74.2 111.4

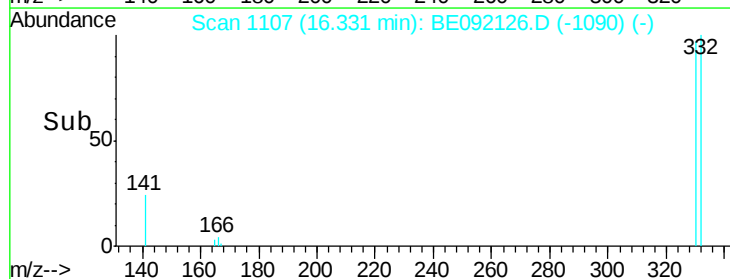
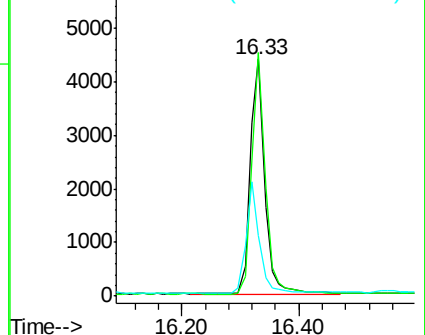
141 44.2 139.8 209.8#

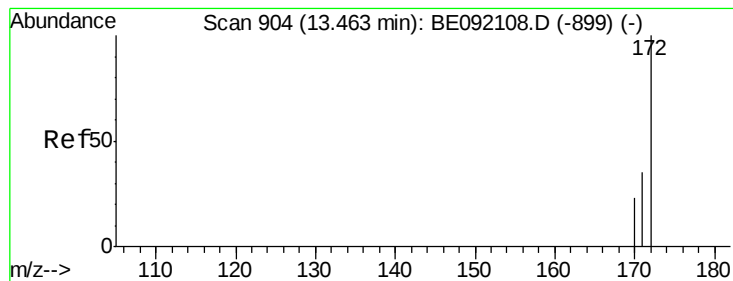


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 4.20 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

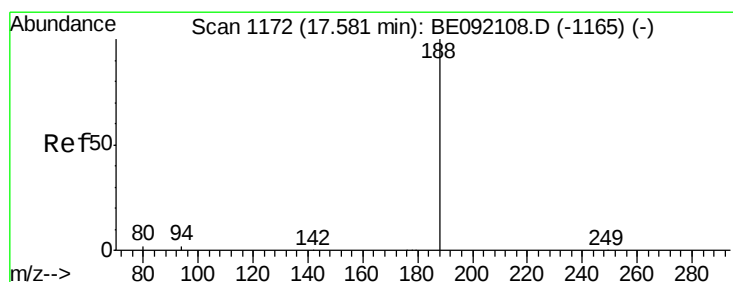
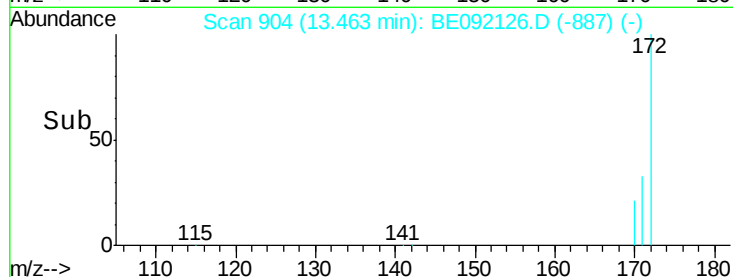
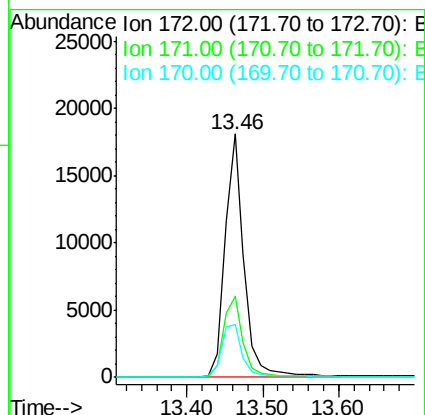
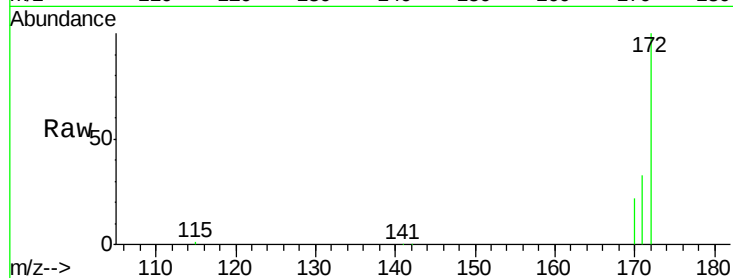
Tgt Ion:172 Resp: 31633

Ion Ratio Lower Upper

172 100

171 33.2 30.3 45.5

170 21.6 21.6 32.4#



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

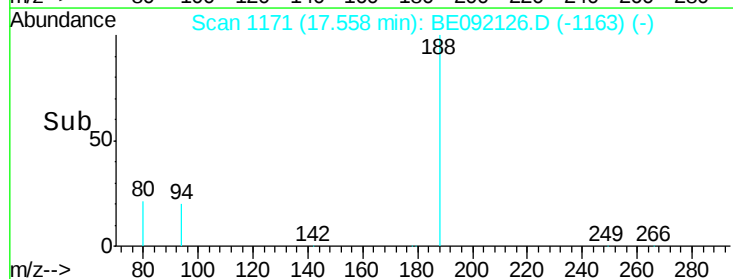
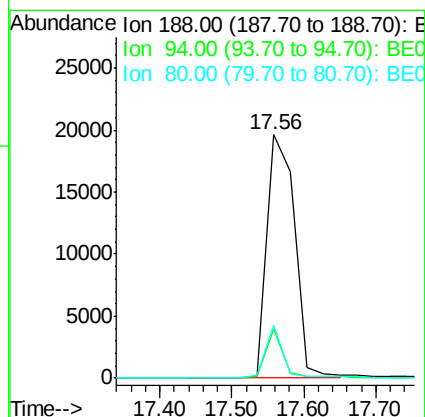
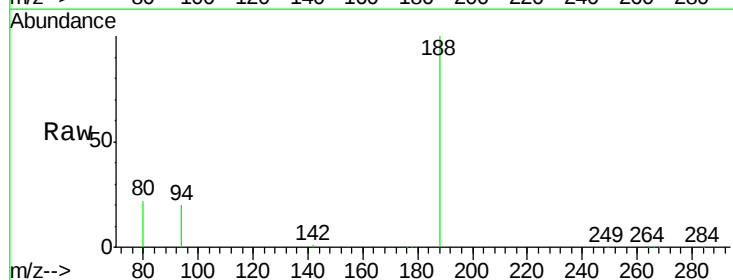
Tgt Ion:188 Resp: 51990

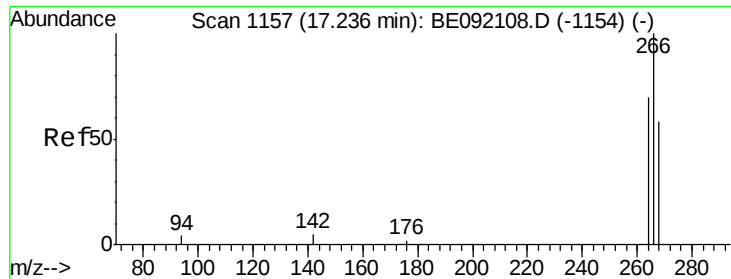
Ion Ratio Lower Upper

188 100

94 20.4 3.9 5.9#

80 21.5 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.22 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

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ClientSampleId :

GW-17-6.5-15.0

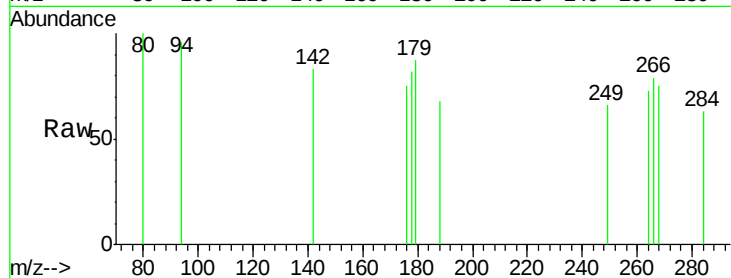
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

268 94.6 62.7 94.1#

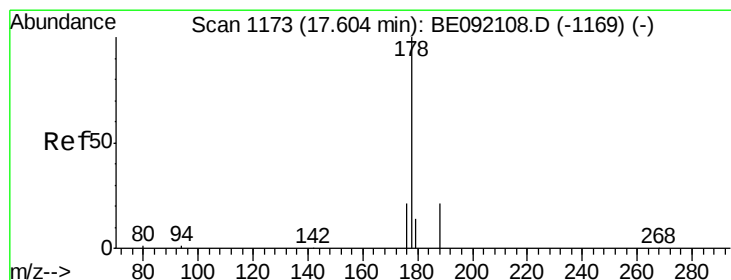
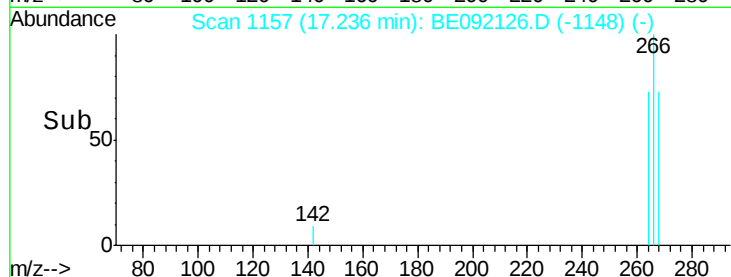
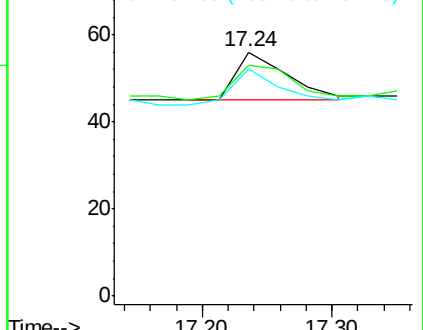
264 92.9 63.5 95.3



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



#19

Phenanthrene

Concen: Below Cal

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

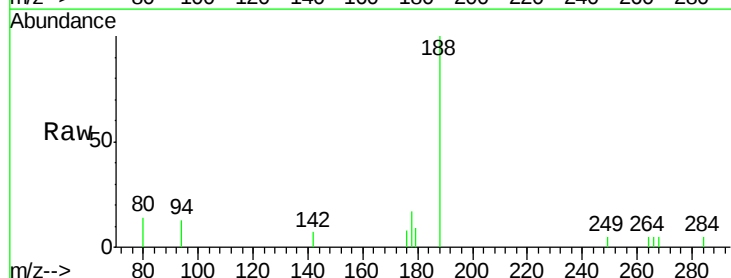
Tgt Ion:178 Resp: 229

Ion Ratio Lower Upper

178 100

176 17.0 15.4 23.0

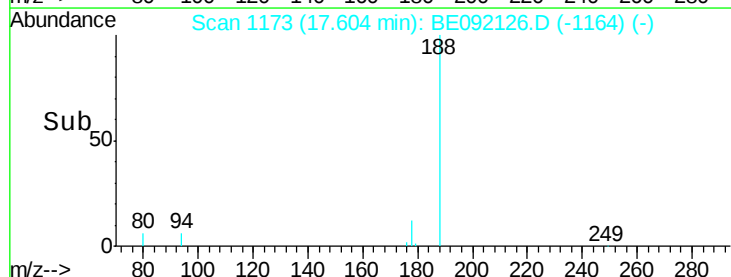
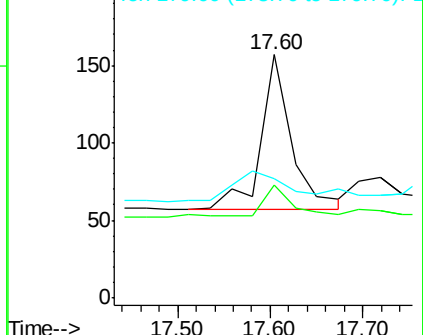
179 0.0 12.7 19.1#

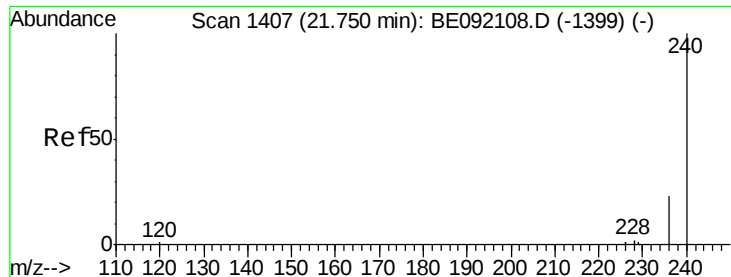


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

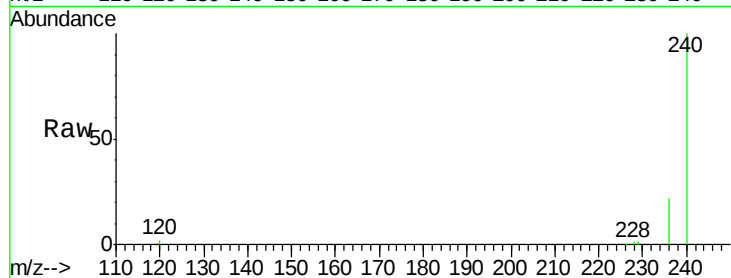
Tgt Ion:240 Resp: 68488

Ion Ratio Lower Upper

240 100

120 1.5 0.6 1.0#

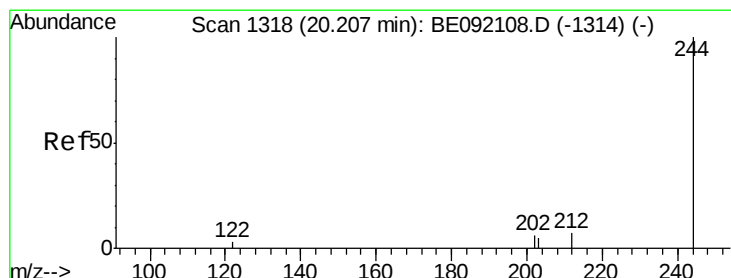
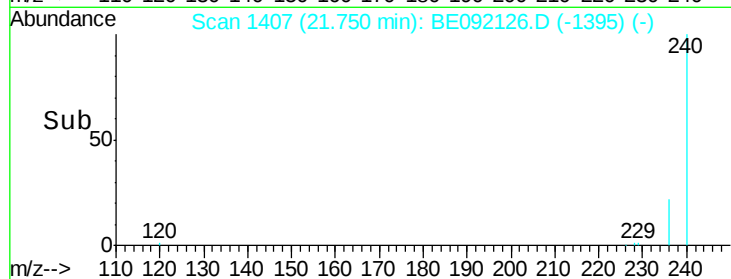
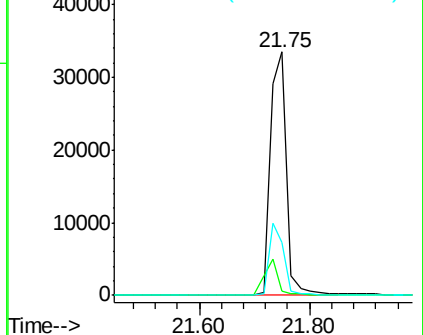
236 22.0 18.2 27.4



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



#24

Terphenyl-d14

Concen: 4.91 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

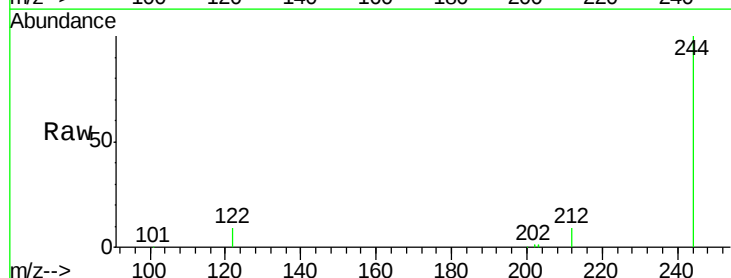
Tgt Ion:244 Resp: 48302

Ion Ratio Lower Upper

244 100

212 9.1 9.1 13.7#

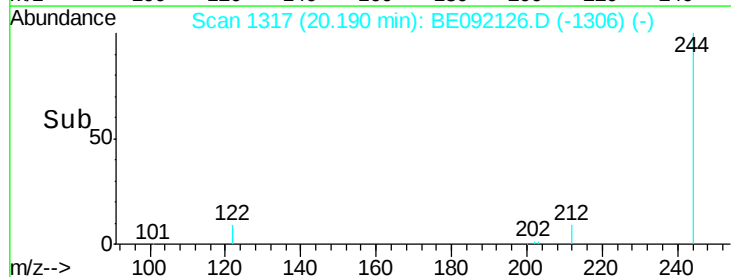
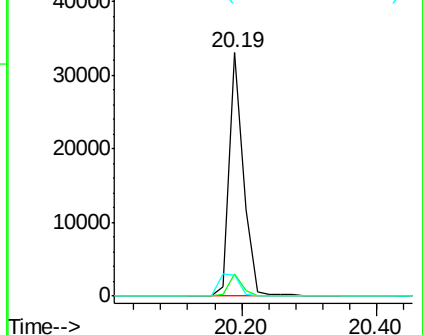
122 8.8 11.0 16.4#

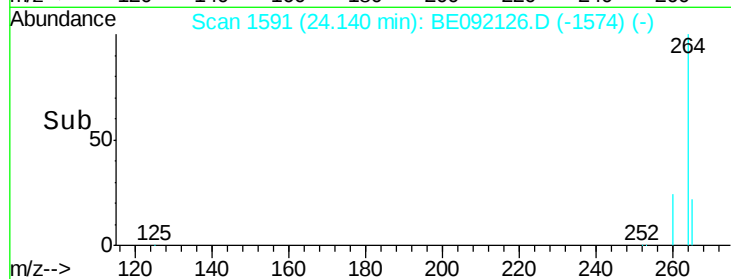
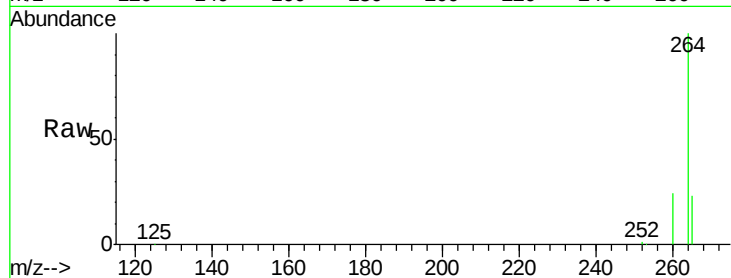
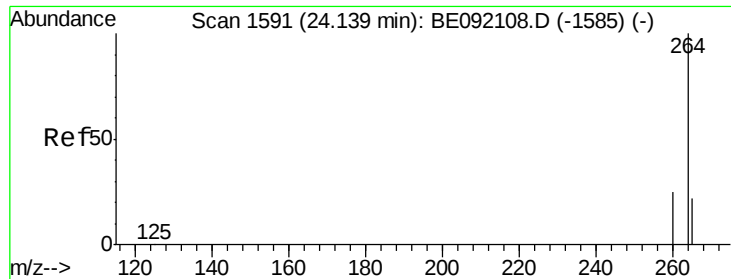


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092126.D

Acq: 3 Aug 2016 00:32

Instrument :

BNA_E

ClientSampleId :

GW-17-6.5-15.0

Tgt Ion: 264 Resp: 73007

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.6 16.6 25.0

