

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092169.D
 Acq On : 4 Aug 2016 6:13
 Operator : UM/SJ
 Sample : H4221-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-43-8.7-15.0

Quant Time: Aug 04 07:20:08 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

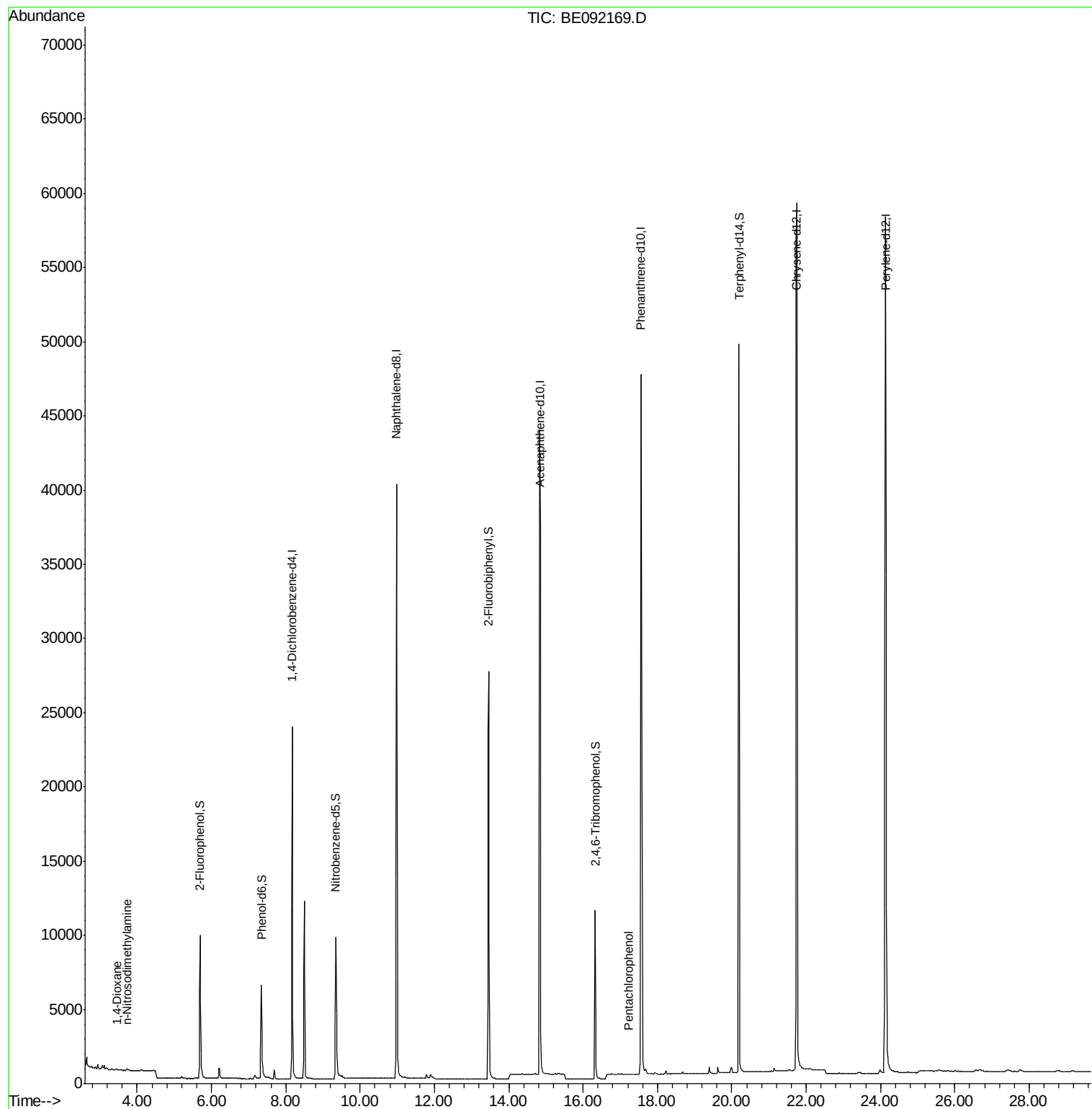
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12544	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	60095	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	34597	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	76736	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	89701	5.00	ng	0.00
28) Perylene-d12	24.14	264	89202	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	8623	2.68	ng	0.00
5) Phenol-d6	7.35	99	8733	2.03	ng	0.00
7) Nitrobenzene-d5	9.34	82	11357	2.40	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7934	7.06	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30345	2.77	ng	0.00
24) Terphenyl-d14	20.19	244	59012	4.58	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	66	0.04	ng	# 1
3) n-Nitrosodimethylamine	3.73	42	36	0.11	ng	# 1
18) Pentachlorophenol	17.24	266	7	0.20	ng	# 76
19) Phenanthrene	17.60	178	301	Below Cal		# 71
30) Benzo(k)fluoranthene	23.46	252	52	Below Cal		# 1

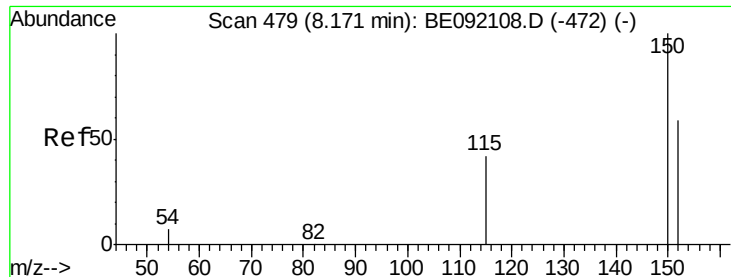
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092169.D

Acq: 4 Aug 2016 6:13

Instrument :

BNA_E

ClientSampleId :

GW-43-8.7-15.0

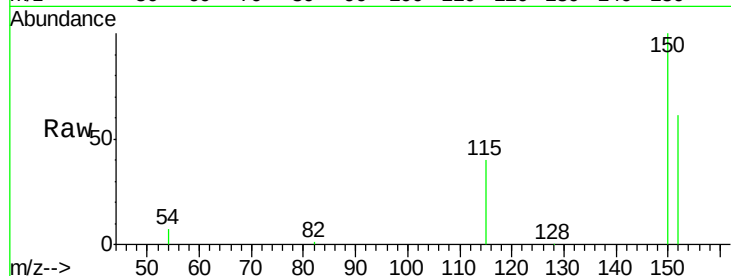
Tgt Ion:152 Resp: 12544

Ion Ratio Lower Upper

152 100

150 164.6 106.0 159.0#

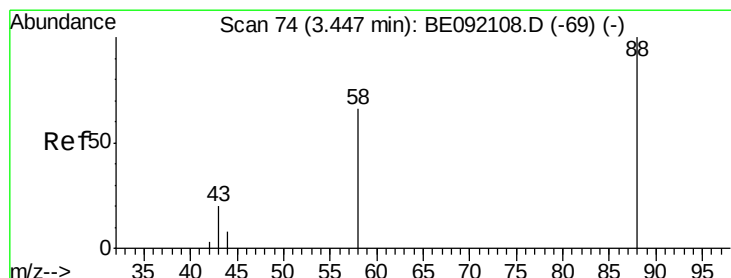
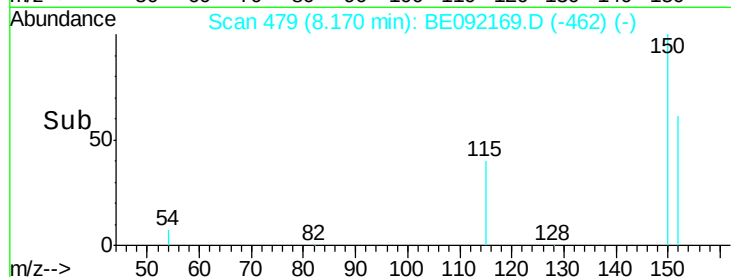
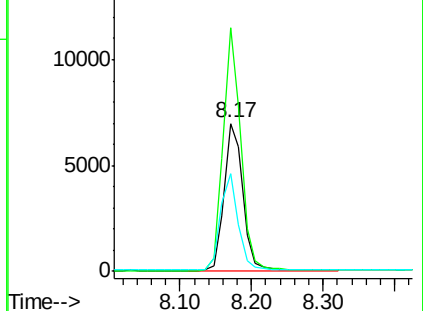
115 66.4 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

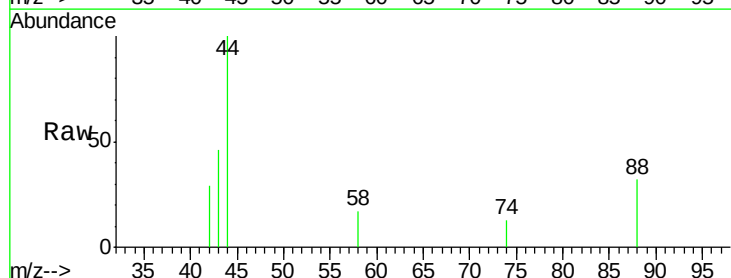
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

58 34.8 62.1 93.1#

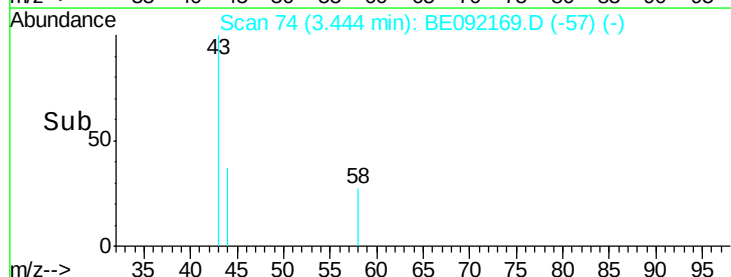
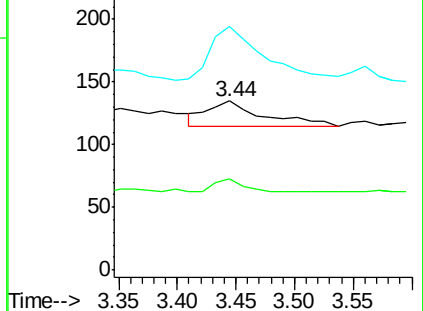
43 218.2 27.2 40.8#

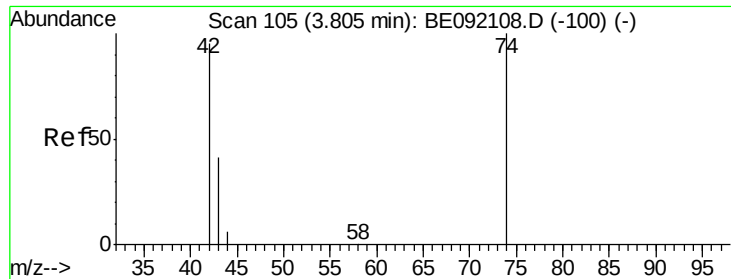


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.11 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.07 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

Instrument :

BNA_E

ClientSampleId :

GW-43-8.7-15.0

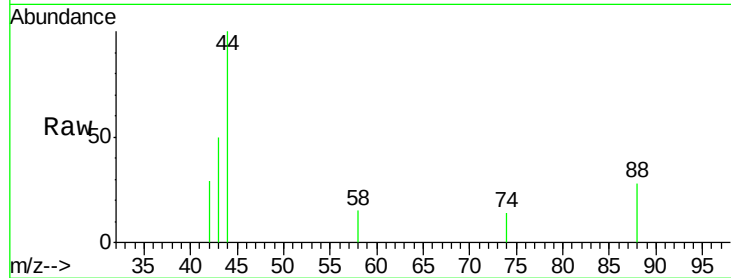
Tgt Ion: 42 Resp: 36

Ion Ratio Lower Upper

42 100

74 22.2 82.8 124.2#

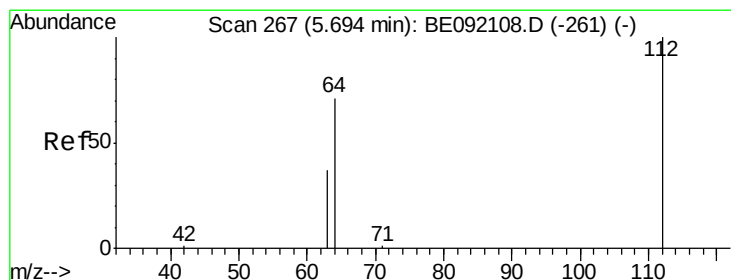
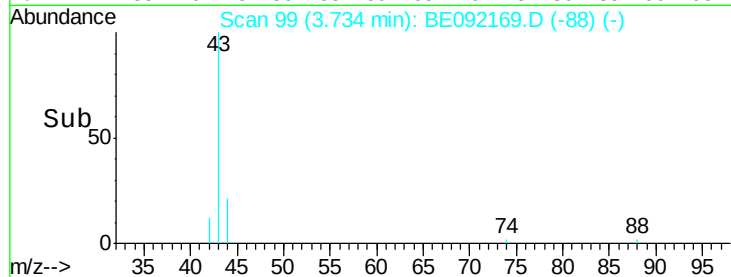
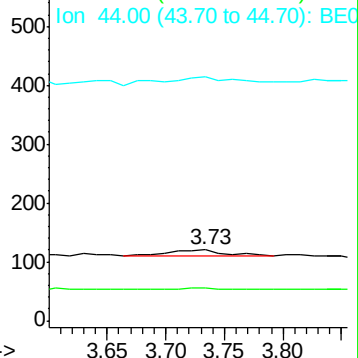
44 122.2 9.0 13.4#



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: 2.68 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

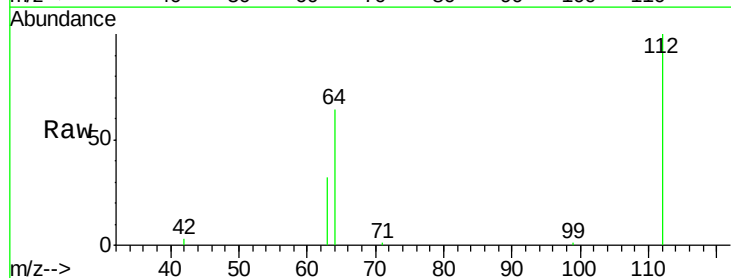
Tgt Ion: 112 Resp: 8623

Ion Ratio Lower Upper

112 100

64 67.2 55.9 83.9

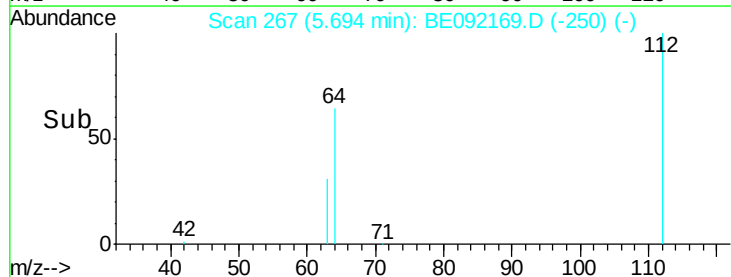
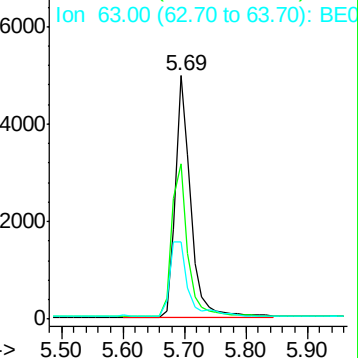
63 37.9 31.1 46.7

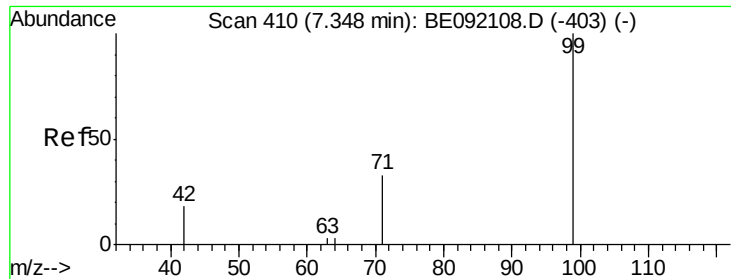


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.03 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

Instrument :

BNA_E

ClientSampleId :

GW-43-8.7-15.0

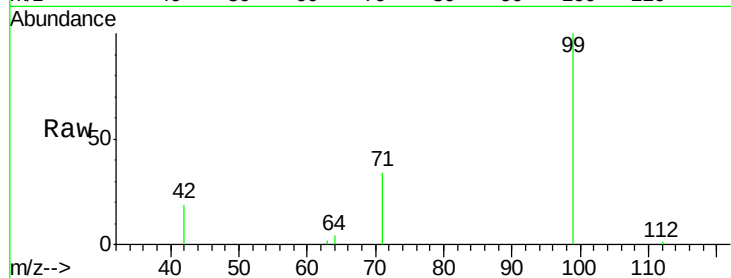
Tgt Ion: 99 Resp: 8733

Ion Ratio Lower Upper

99 100

42 23.9 22.4 33.6

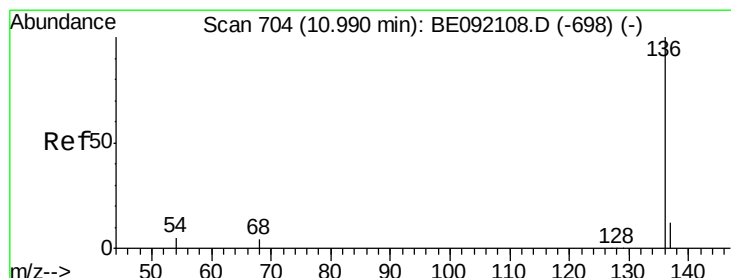
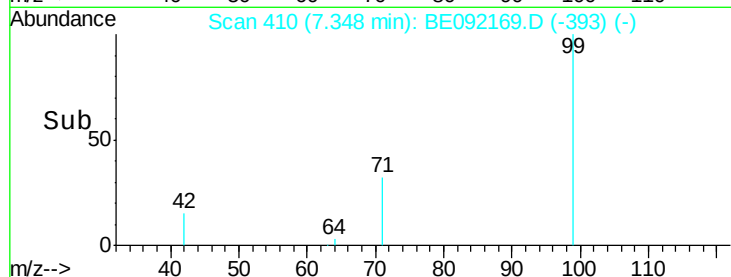
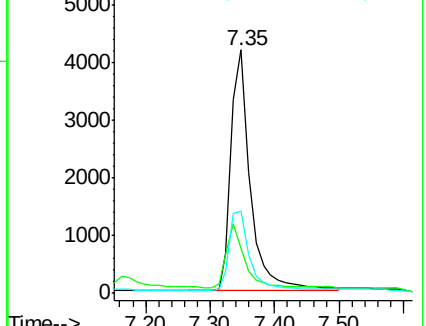
71 35.4 28.9 43.3



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: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

Tgt Ion: 136 Resp: 60095

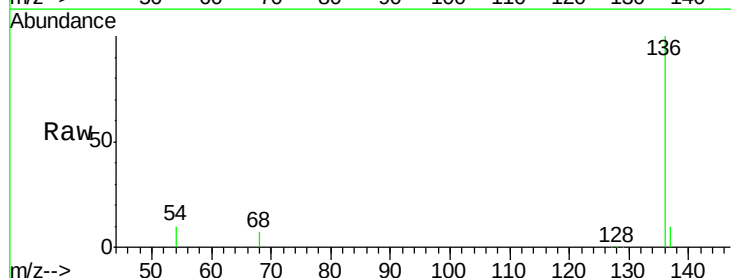
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 10.2 2.7 4.1#

68 7.2 2.2 3.4#

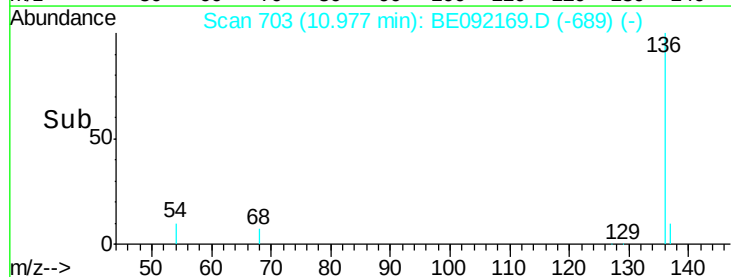
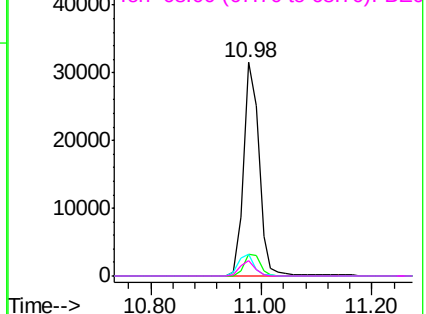


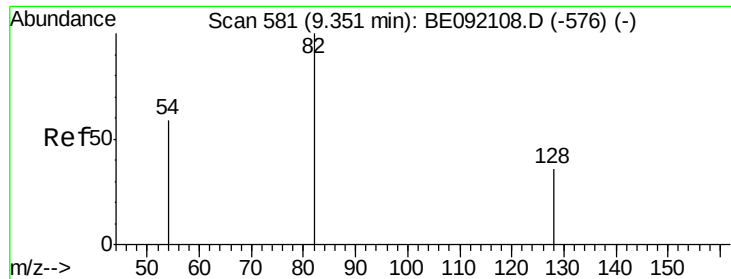
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.40 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

Instrument :

BNA_E

ClientSampleId :

GW-43-8.7-15.0

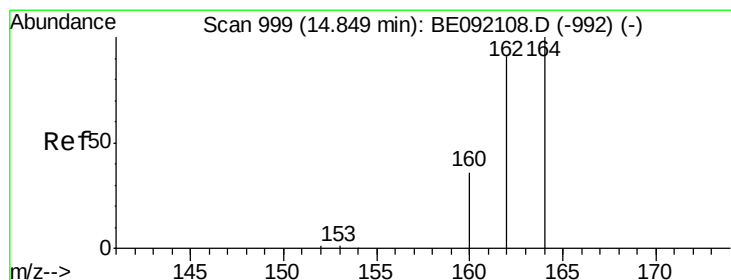
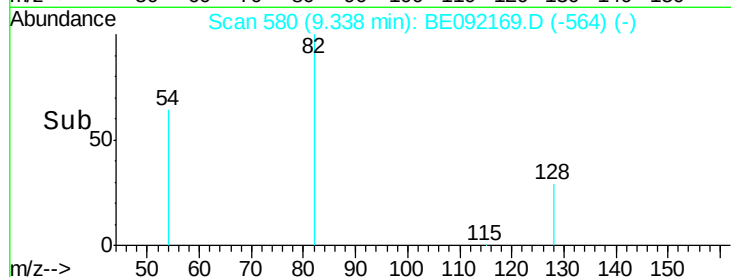
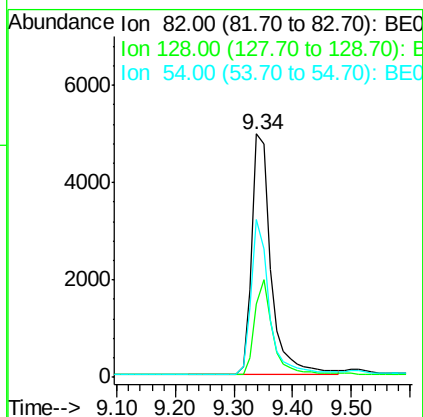
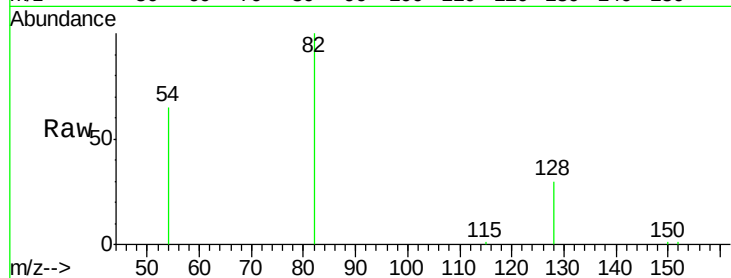
Tgt Ion: 82 Resp: 11357

Ion Ratio Lower Upper

82 100

128 30.2 33.0 49.4#

54 64.9 42.6 63.8#



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.85 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

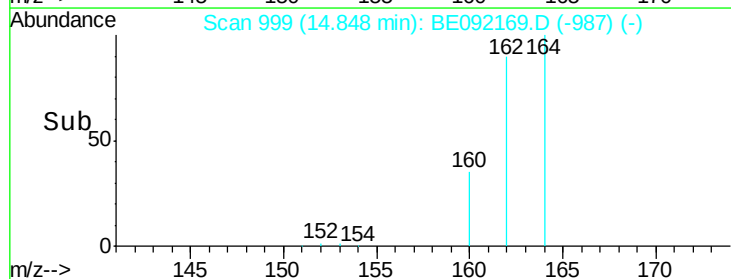
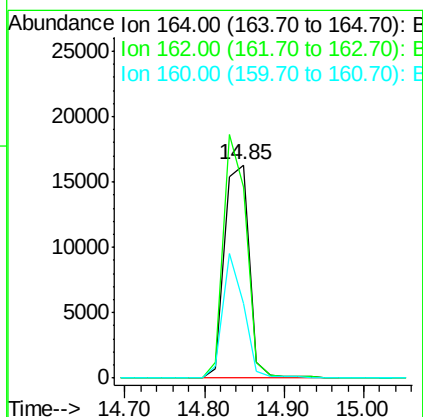
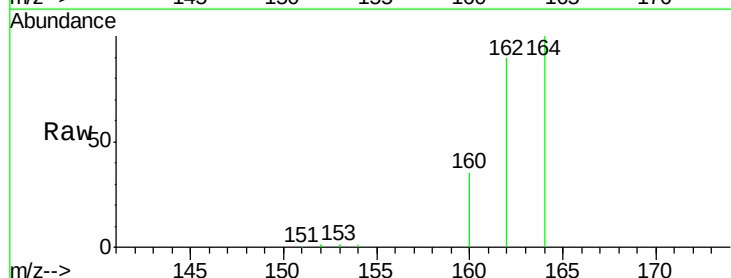
Tgt Ion: 164 Resp: 34597

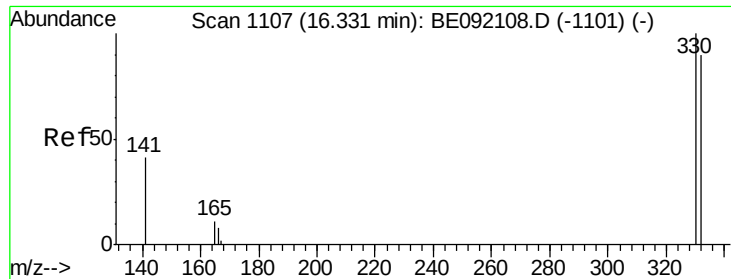
Ion Ratio Lower Upper

164 100

162 89.9 69.5 104.3

160 34.8 27.6 41.4

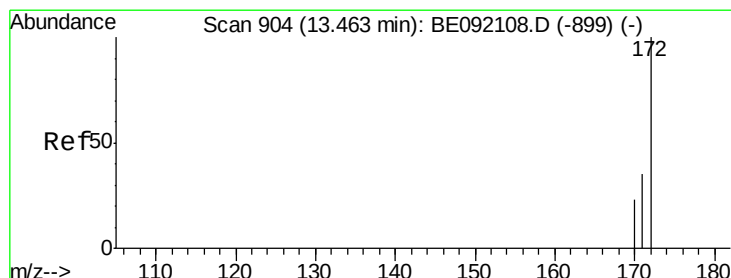
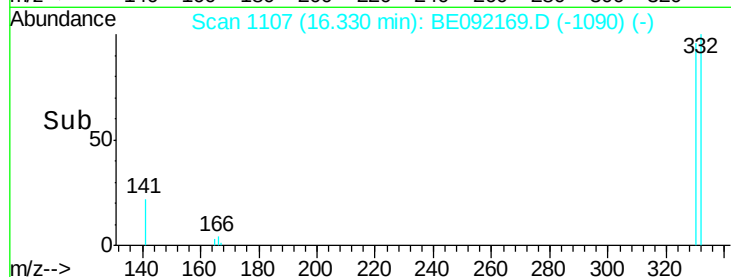
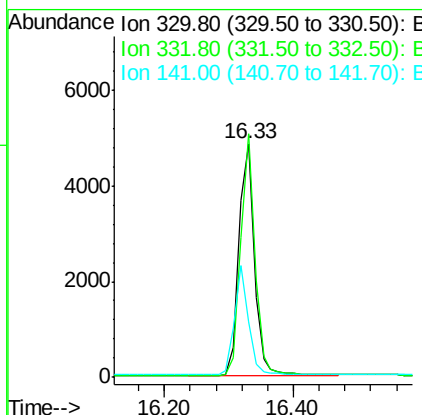
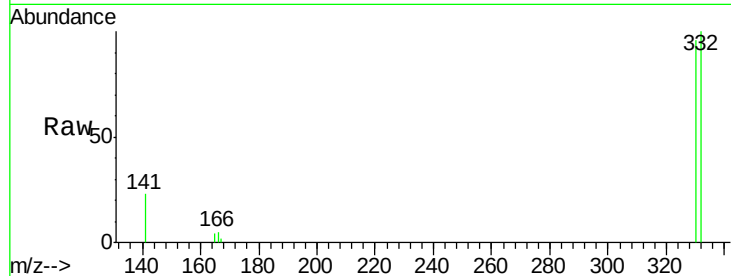




#11
 2,4,6-Tribromophenol
 Concen: 7.06 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092169.D
 Acq: 4 Aug 2016 6:13

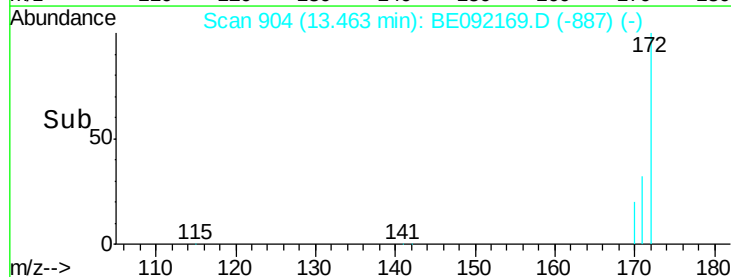
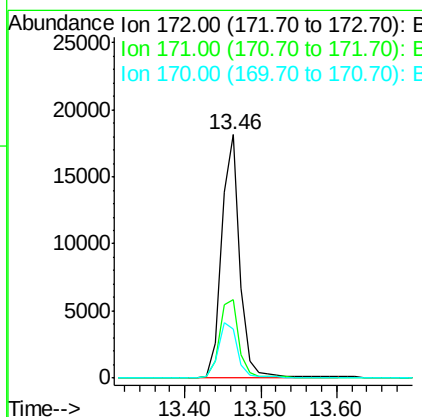
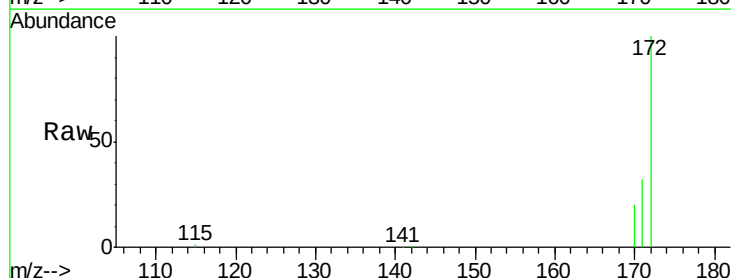
Instrument :
 BNA_E
 ClientSampleId :
 GW-43-8.7-15.0

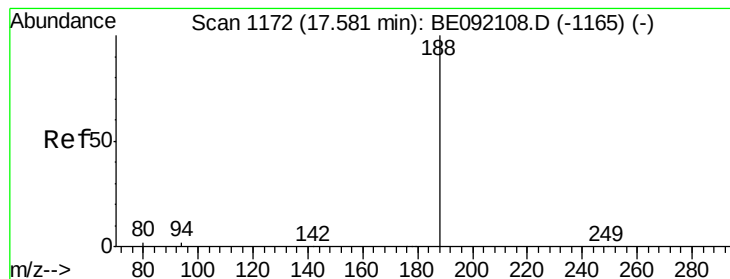
Tgt Ion:330 Resp: 7934
 Ion Ratio Lower Upper
 330 100
 332 97.2 74.2 111.4
 141 42.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 2.77 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092169.D
 Acq: 4 Aug 2016 6:13

Tgt Ion:172 Resp: 30345
 Ion Ratio Lower Upper
 172 100
 171 32.2 30.3 45.5
 170 20.0 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: BE092169.D

Acq: 4 Aug 2016 6:13

Instrument :

BNA_E

ClientSampleId :

GW-43-8.7-15.0

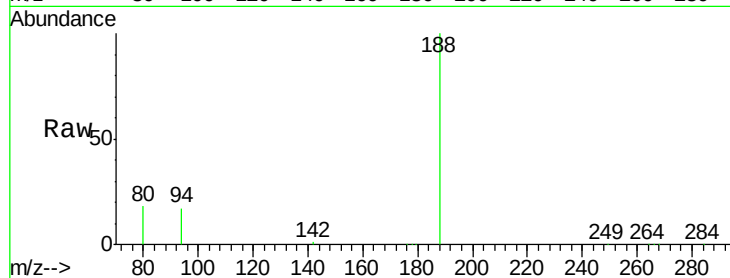
Tgt Ion:188 Resp: 76736

Ion Ratio Lower Upper

188 100

94 17.2 3.9 5.9#

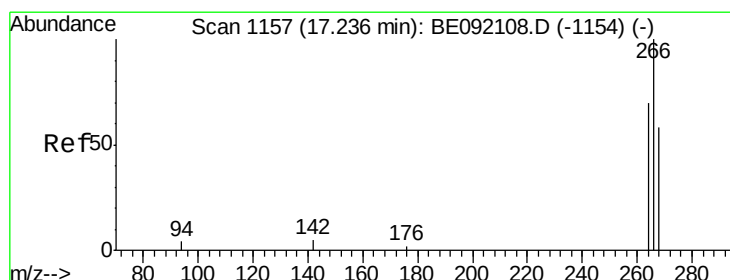
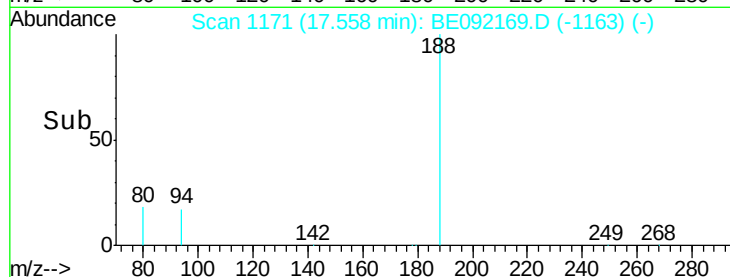
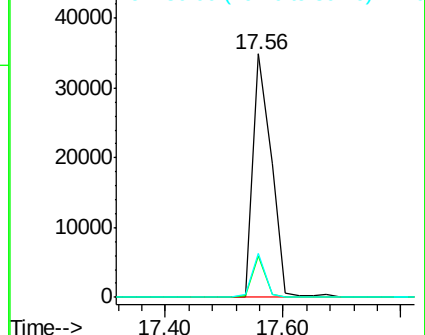
80 18.1 3.4 5.0#



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



#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

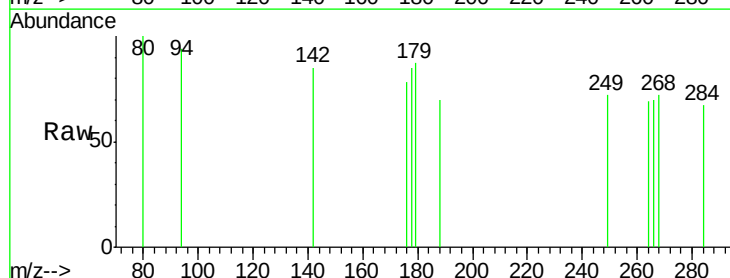
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

268 102.1 62.7 94.1#

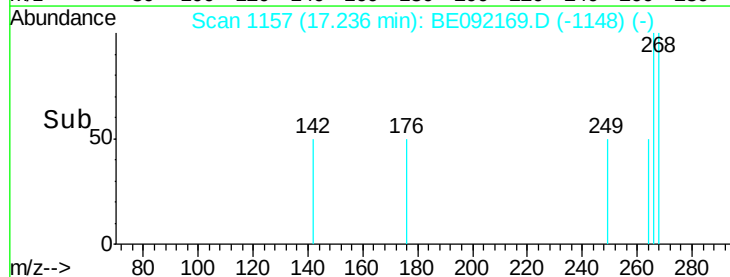
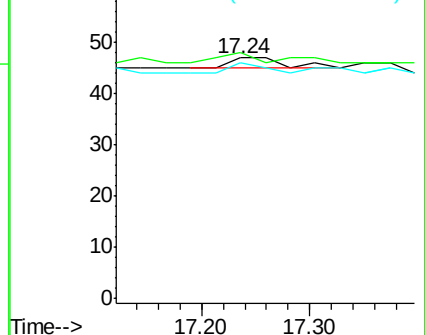
264 97.9 63.5 95.3#

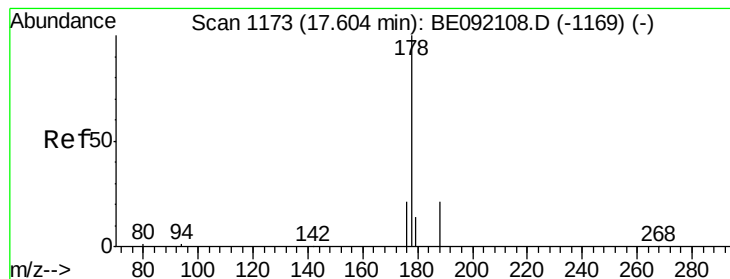


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE092169.D

Acq: 4 Aug 2016 6:13

Instrument :

BNA_E

ClientSampleId :

GW-43-8.7-15.0

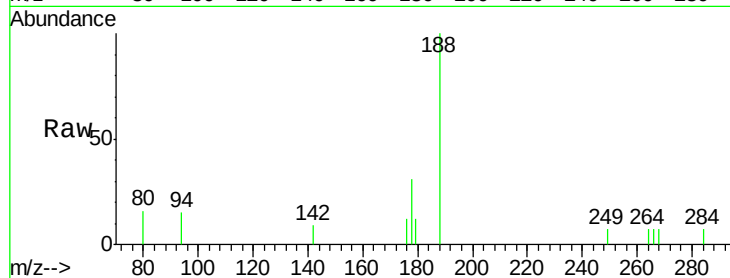
Tgt Ion:178 Resp: 301

Ion Ratio Lower Upper

178 100

176 15.9 15.4 23.0

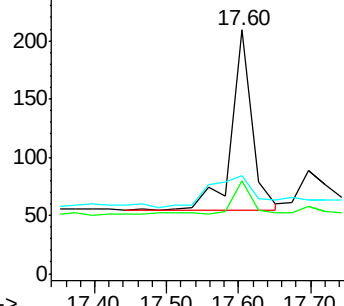
179 39.5 12.7 19.1#



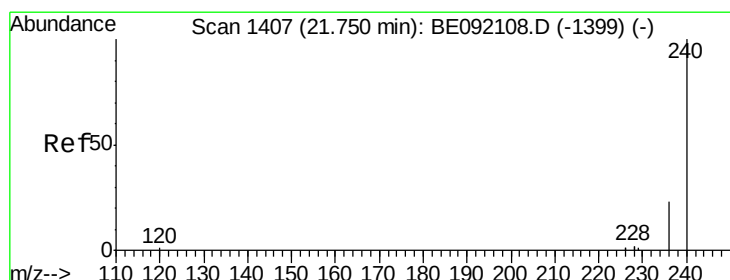
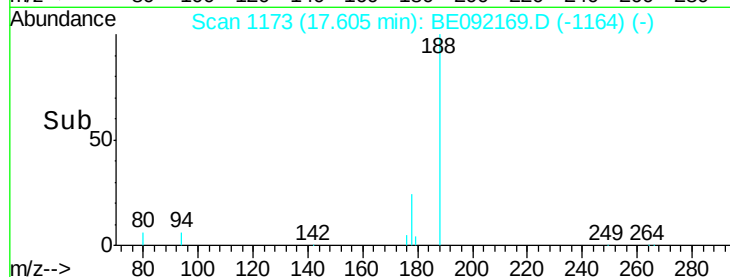
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092169.D

Acq: 4 Aug 2016 6:13

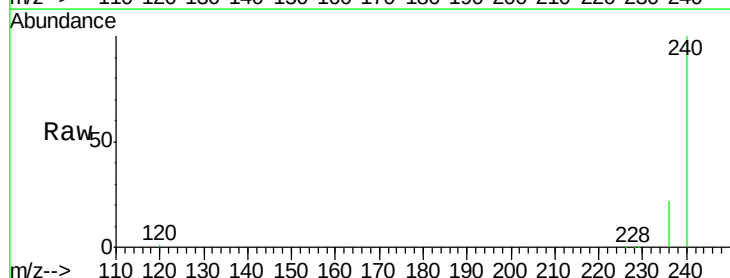
Tgt Ion:240 Resp: 89701

Ion Ratio Lower Upper

240 100

120 1.2 0.6 1.0#

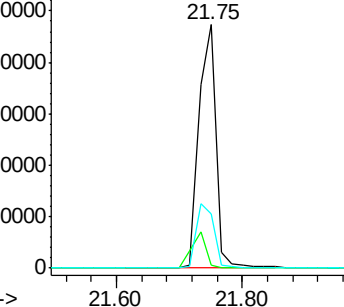
236 22.0 18.2 27.4



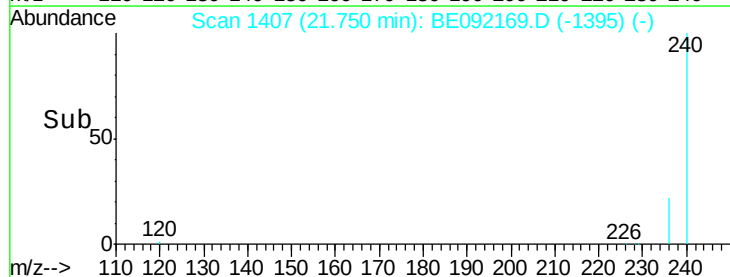
Abundance Ion 240.00 (239.70 to 240.70): E

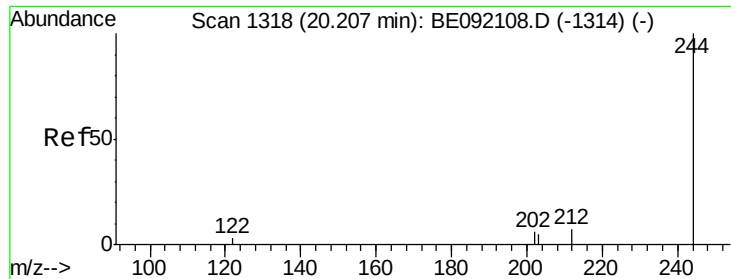
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

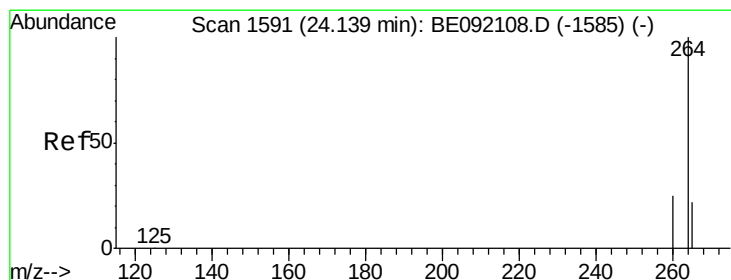
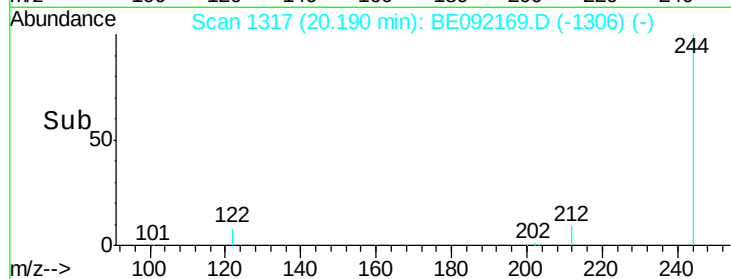
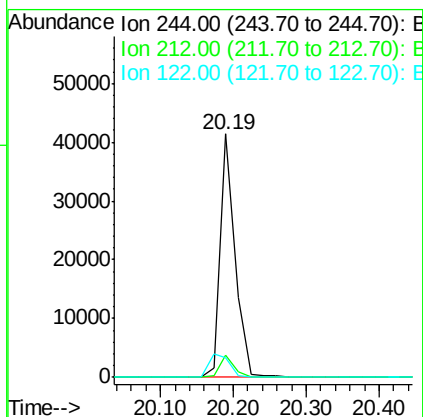
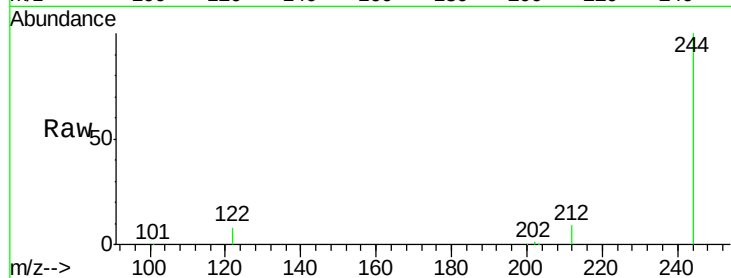




#24
 Terphenyl-d14
 Concen: 4.58 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092169.D
 Acq: 4 Aug 2016 6:13

Instrument :
 BNA_E
 ClientSampleId :
 GW-43-8.7-15.0

Tgt Ion: 244 Resp: 59012
 Ion Ratio Lower Upper
 244 100
 212 9.0 9.1 13.7#
 122 8.2 11.0 16.4#



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.14 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BE092169.D
 Acq: 4 Aug 2016 6:13

Tgt Ion: 264 Resp: 89202
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.8 31.2
 265 22.4 16.6 25.0

