

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092207.D
 Acq On : 5 Aug 2016 7:02
 Operator : UM/SJ
 Sample : H4288-20
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-63-7.5-15.0

Quant Time: Aug 05 07:44:25 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

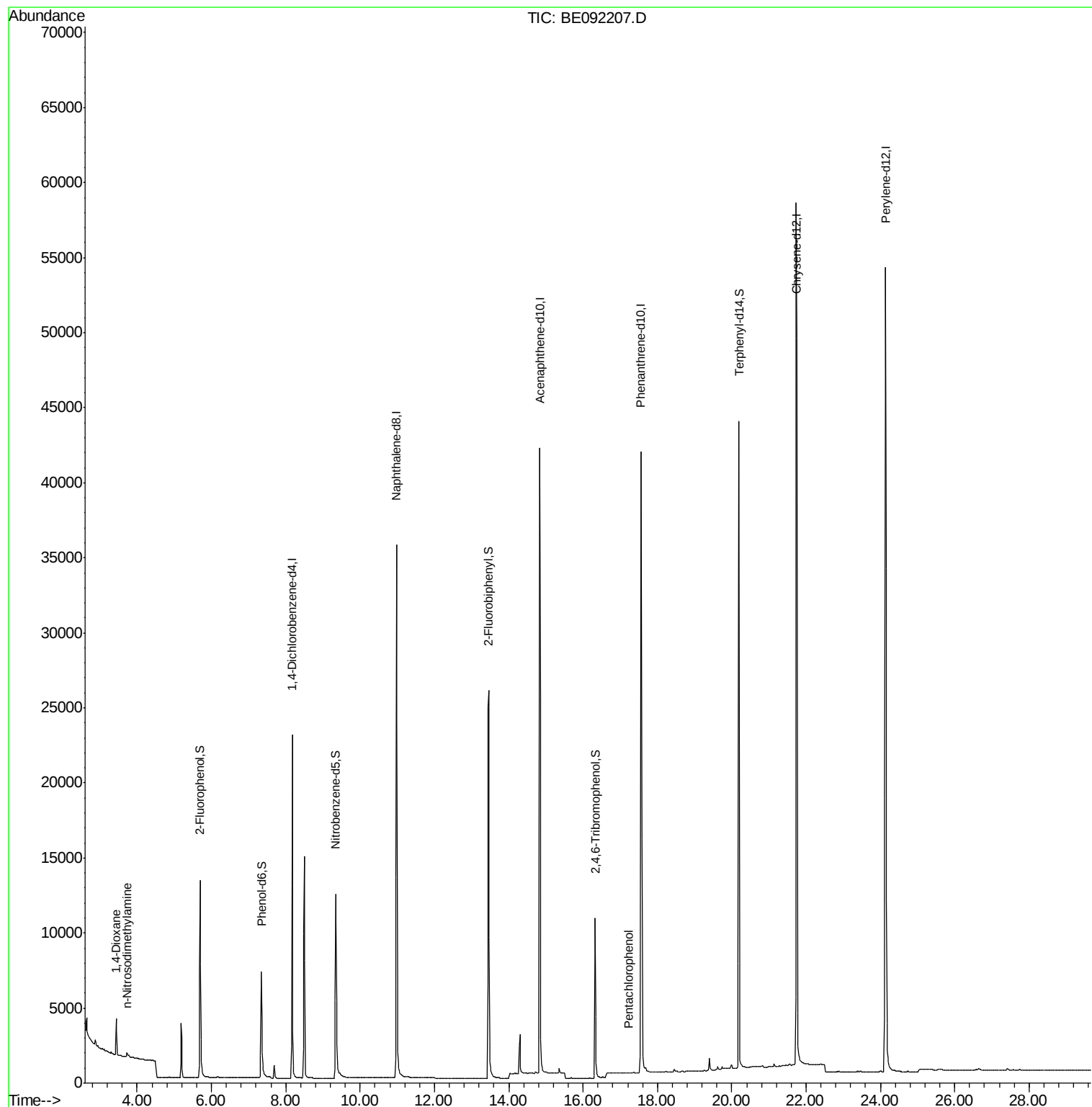
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11751	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	53880	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29575	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	66602	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	83375	5.00	ng	0.00
28) Perylene-d12	24.14	264	82032	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11620	3.85	ng	0.00
5) Phenol-d6	7.35	99	9552	2.38	ng	0.00
7) Nitrobenzene-d5	9.34	82	14318	3.37	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7619	7.93	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32141	3.43	ng	0.00
24) Terphenyl-d14	20.19	244	48660	4.06	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.43	88	1490	0.93	ng	# 84
3) n-Nitrosodimethylamine	3.72	42	105	0.14	ng	# 1
8) Naphthalene	11.03	128	91	Below Cal		# 1
18) Pentachlorophenol	17.24	266	12	0.20	ng	# 77
19) Phenanthrene	17.60	178	196	Below Cal		# 74
30) Benzo(k)fluoranthene	23.46	252	49	Below Cal		# 1

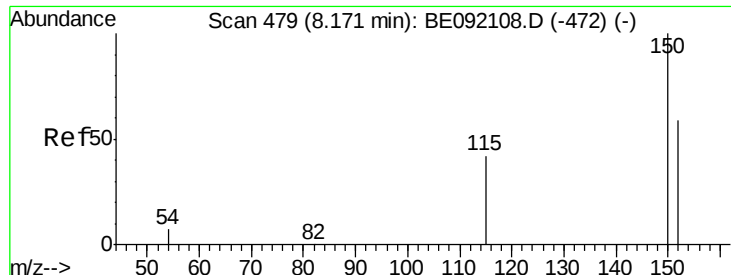
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

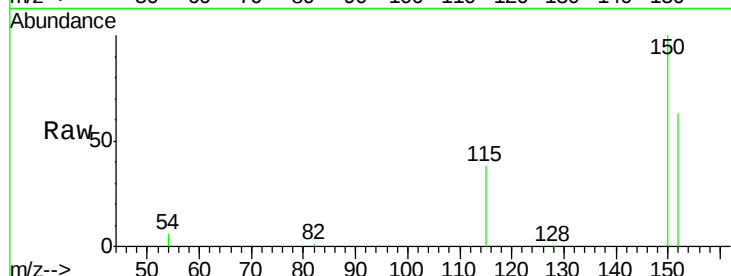
Tgt Ion:152 Resp: 11751

Ion Ratio Lower Upper

152 100

150 159.2 106.0 159.0#

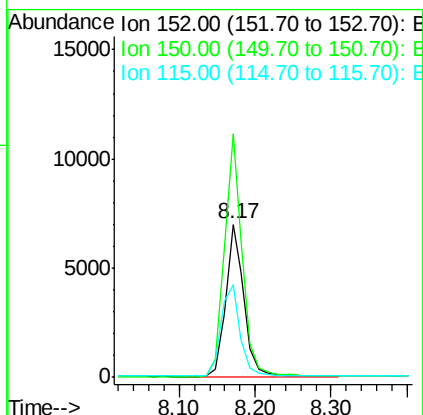
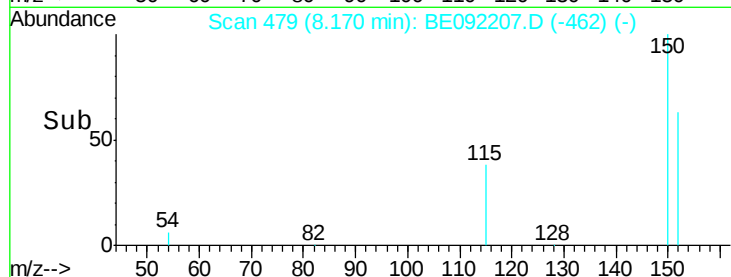
115 60.5 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 0.93 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

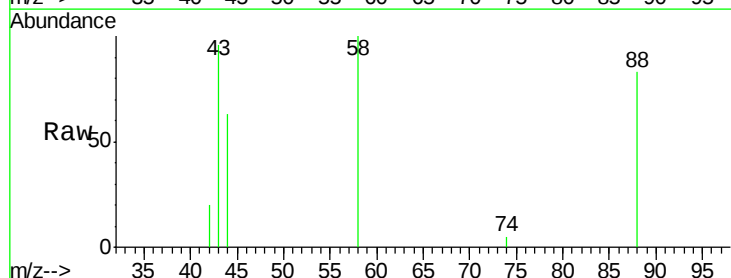
Tgt Ion: 88 Resp: 1490

Ion Ratio Lower Upper

88 100

58 85.8 62.1 93.1

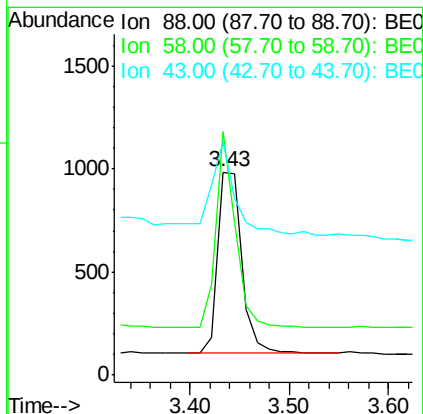
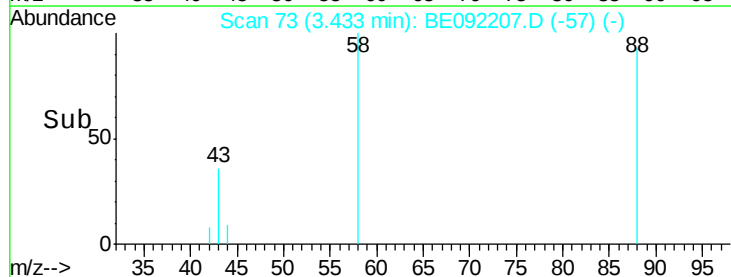
43 51.3 27.2 40.8#

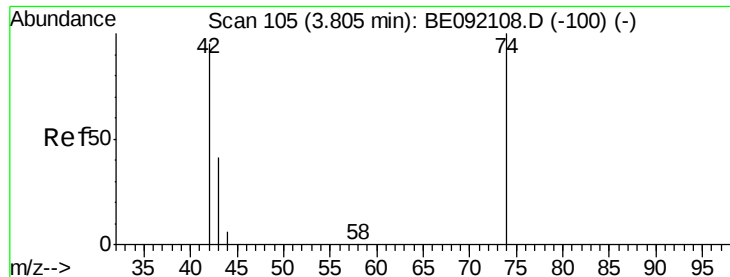


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

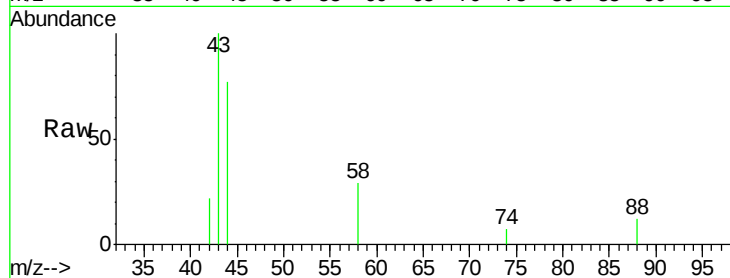
Tgt Ion: 42 Resp: 105

Ion Ratio Lower Upper

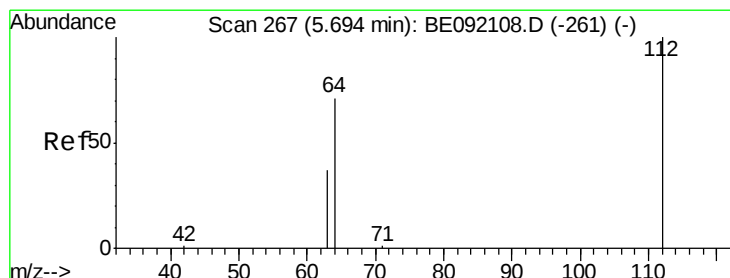
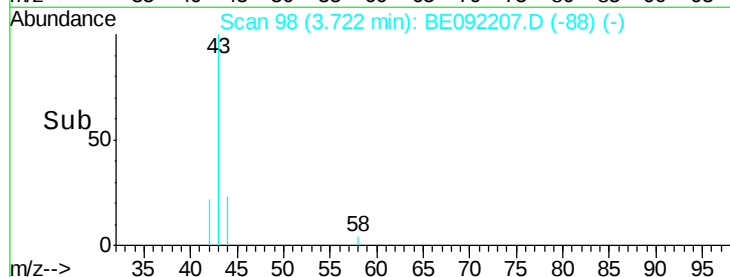
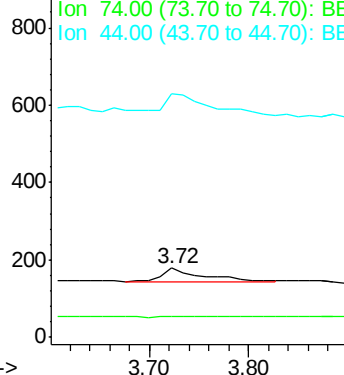
42 100

74 9.5 82.8 124.2#

44 200.0 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: 3.85 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

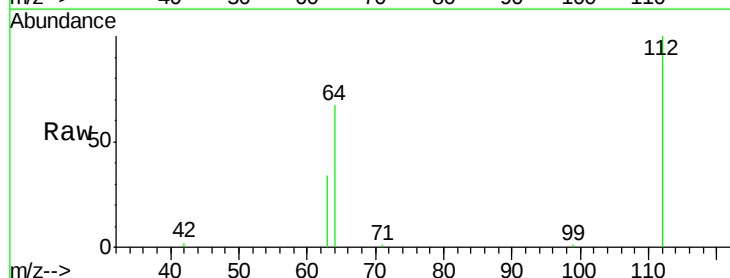
Tgt Ion: 112 Resp: 11620

Ion Ratio Lower Upper

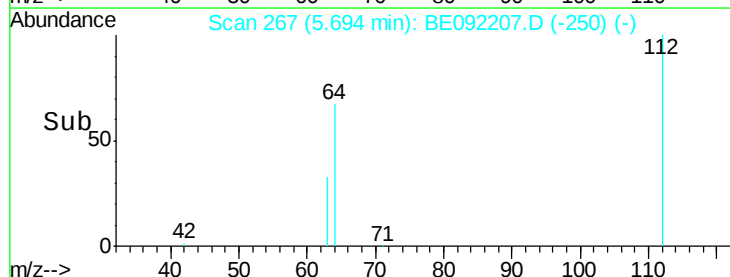
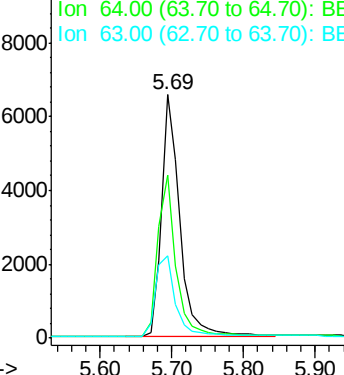
112 100

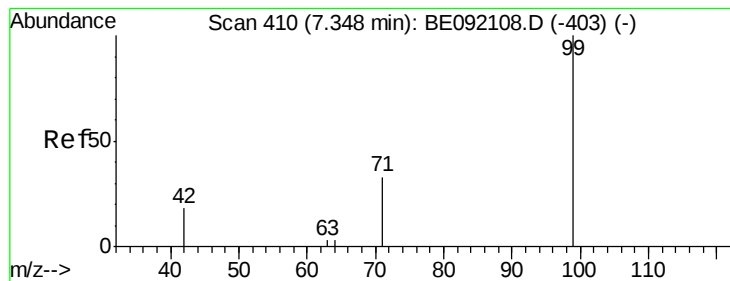
64 66.9 55.9 83.9

63 36.4 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: 2.38 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

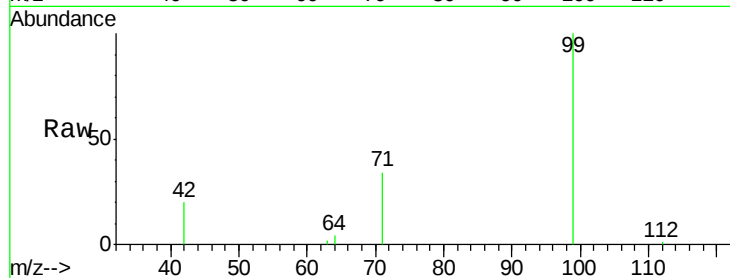
Tgt Ion: 99 Resp: 9552

Ion Ratio Lower Upper

99 100

42 24.8 22.4 33.6

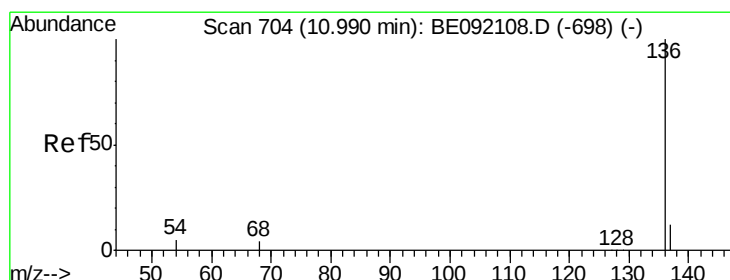
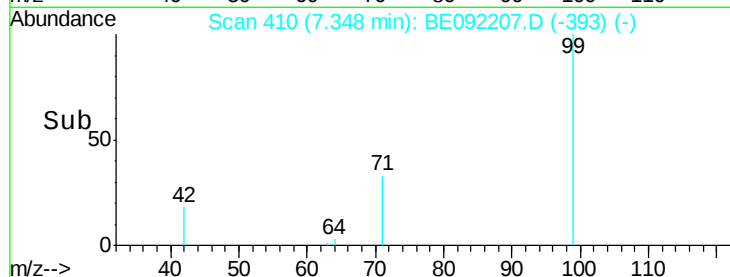
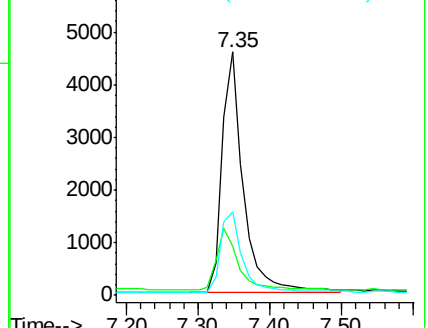
71 35.5 28.9 43.3



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: BE092207.D

Acq: 5 Aug 2016 7:02

Tgt Ion: 136 Resp: 53880

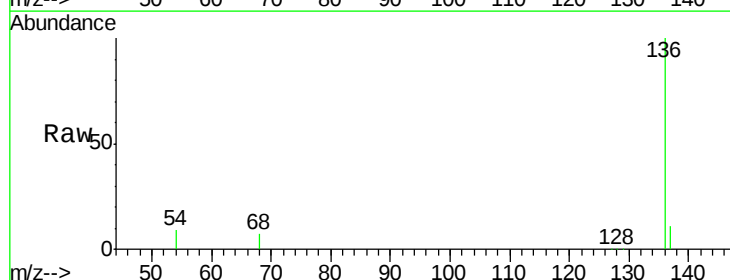
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 9.3 2.7 4.1#

68 6.6 2.2 3.4#

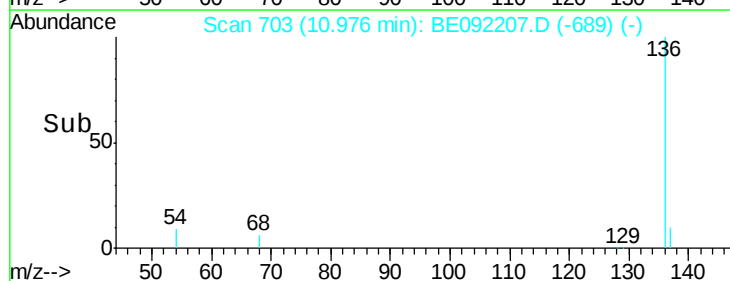
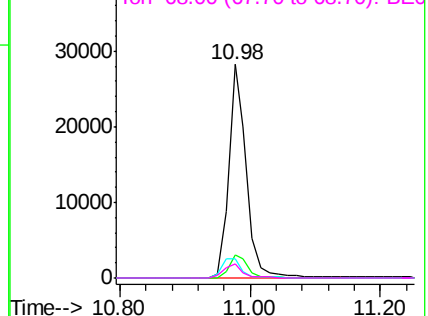


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.37 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

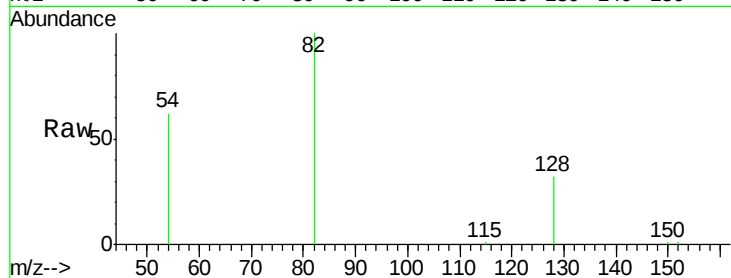
Tgt Ion: 82 Resp: 14318

Ion Ratio Lower Upper

82 100

128 32.0 33.0 49.4#

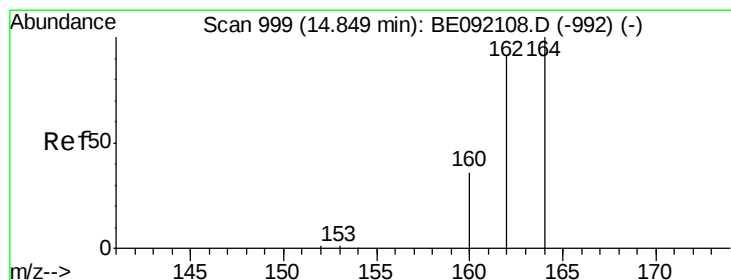
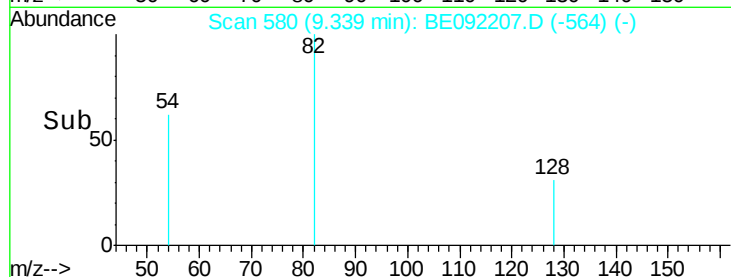
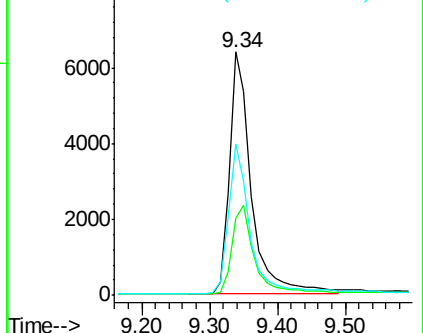
54 62.3 42.6 63.8



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

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

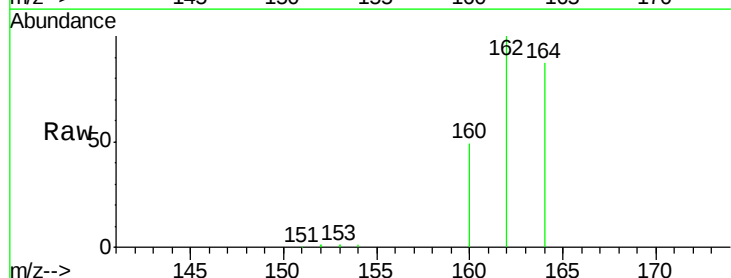
Tgt Ion: 164 Resp: 29575

Ion Ratio Lower Upper

164 100

162 115.5 69.5 104.3#

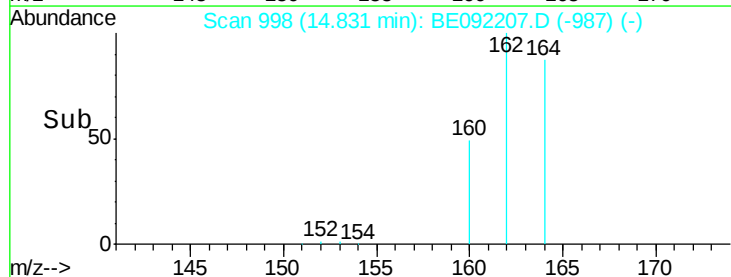
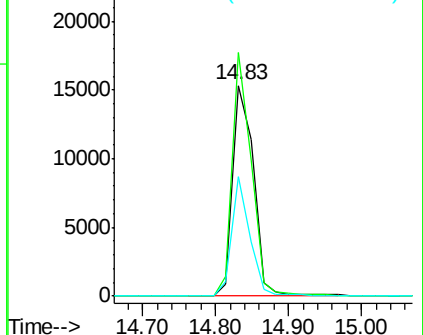
160 56.5 27.6 41.4#

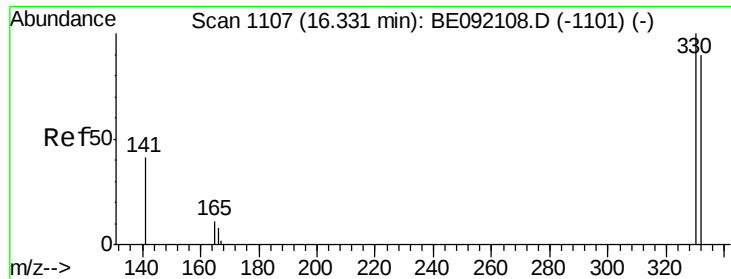


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

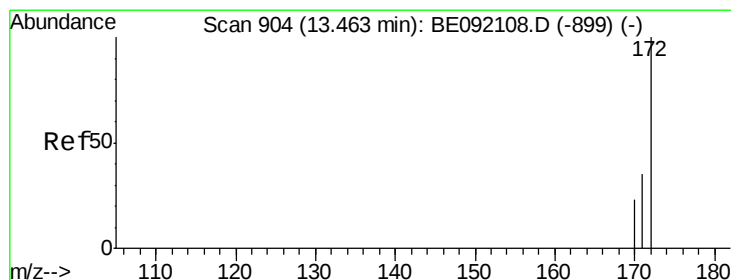
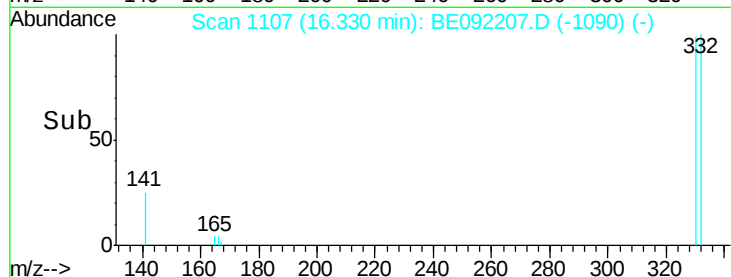
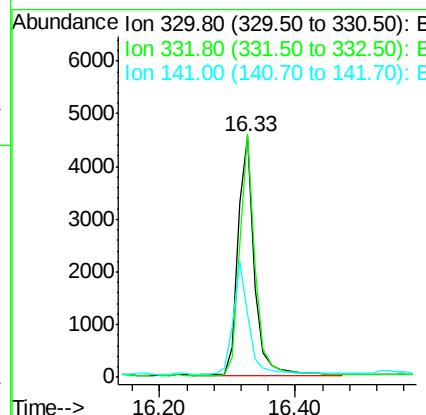
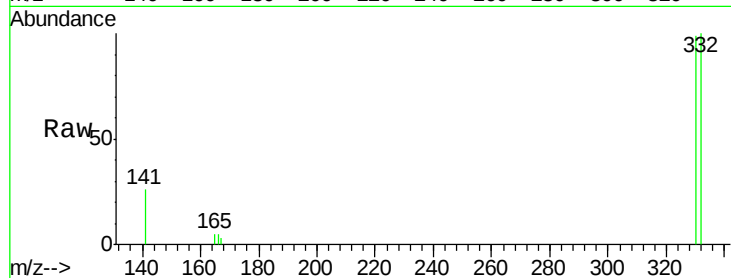




#11
 2,4,6-Tribromophenol
 Concen: 7.93 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092207.D
 Acq: 5 Aug 2016 7:02

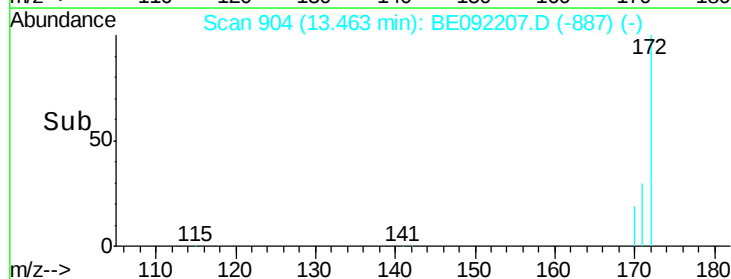
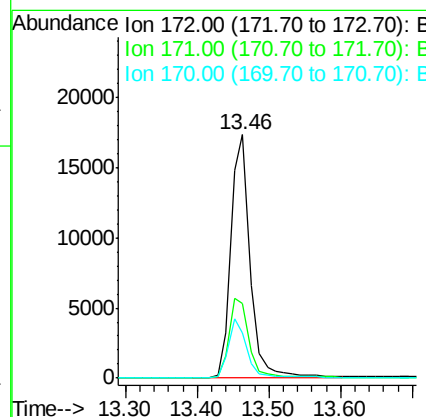
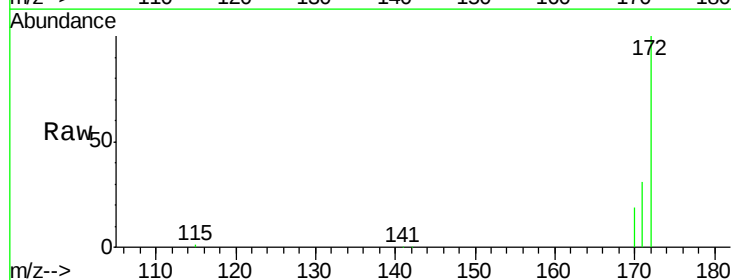
Instrument :
 BNA_E
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 GW-63-7.5-15.0

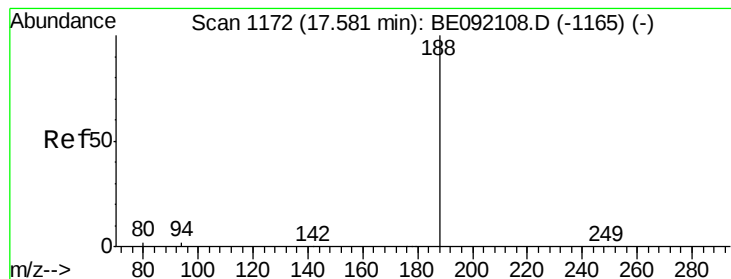
Tgt Ion: 330 Resp: 7619
 Ion Ratio Lower Upper
 330 100
 332 96.0 74.2 111.4
 141 44.5 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.43 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092207.D
 Acq: 5 Aug 2016 7:02

Tgt Ion: 172 Resp: 32141
 Ion Ratio Lower Upper
 172 100
 171 30.5 30.3 45.5
 170 18.8 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: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

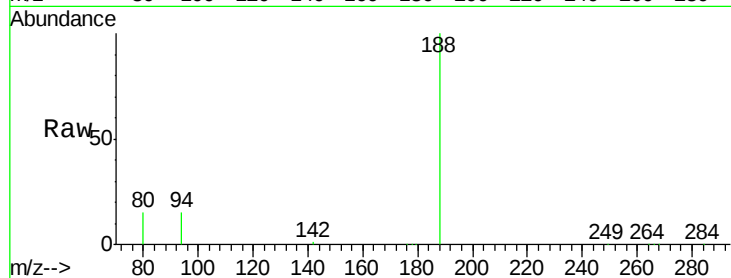
Tgt Ion:188 Resp: 66602

Ion Ratio Lower Upper

188 100

94 15.1 3.9 5.9#

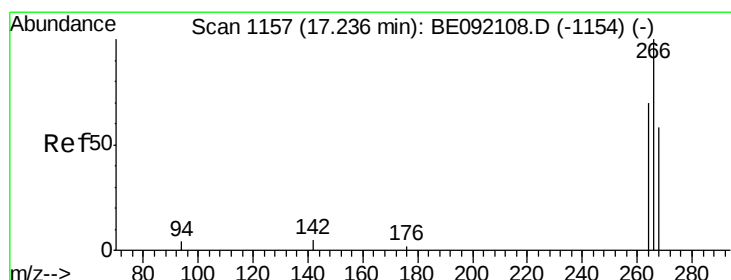
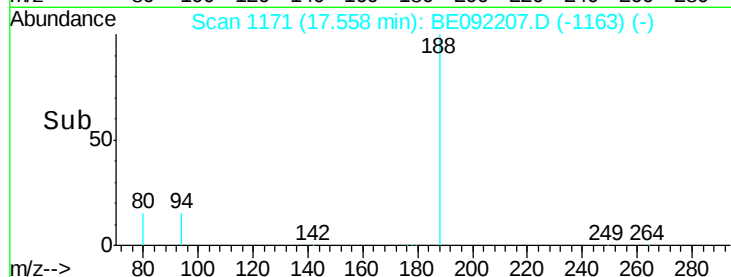
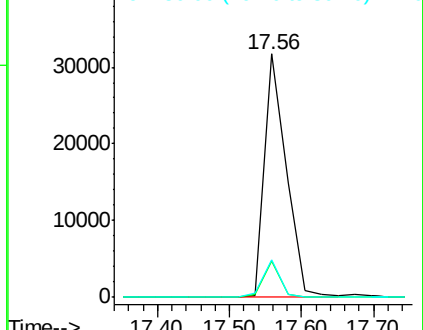
80 15.5 3.4 5.0#



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: BE092207.D

Acq: 5 Aug 2016 7:02

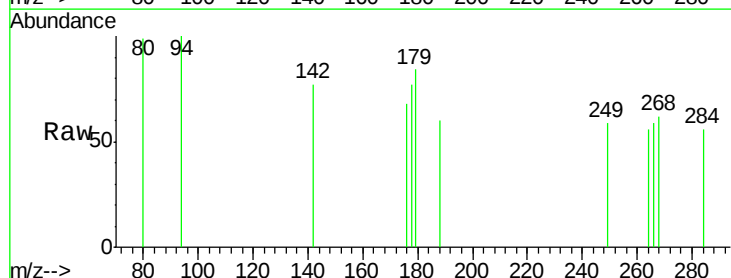
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

268 104.2 62.7 94.1#

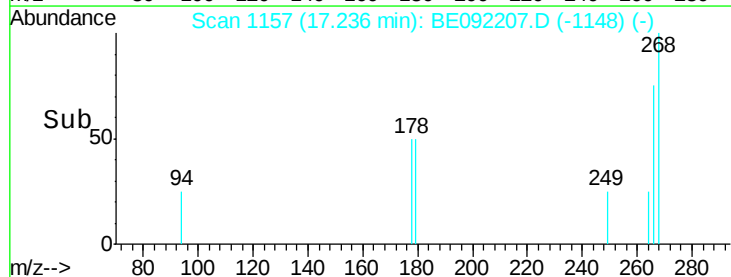
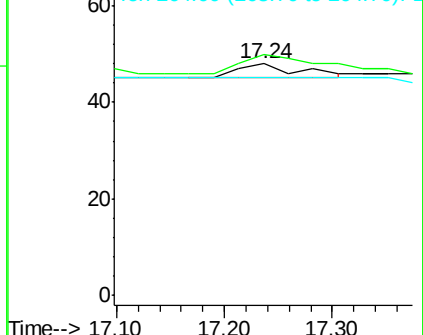
264 93.8 63.5 95.3

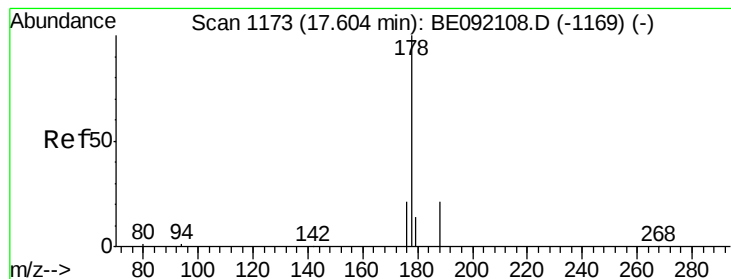


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

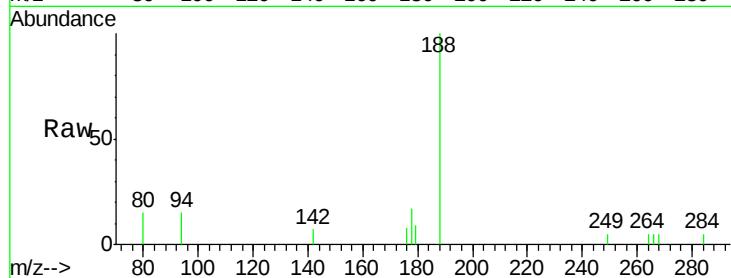
Tgt Ion:178 Resp: 196

Ion Ratio Lower Upper

178 100

176 27.0 15.4 23.0#

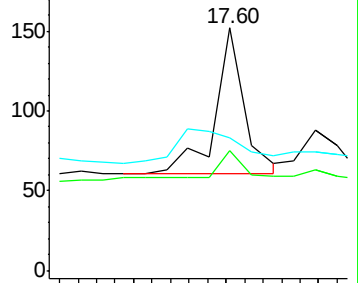
179 0.0 12.7 19.1#



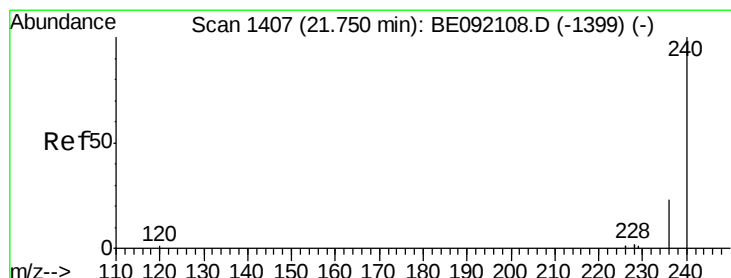
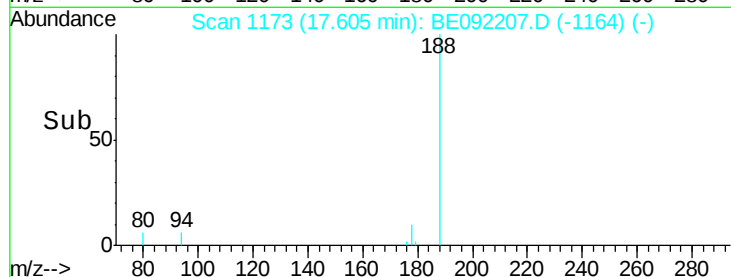
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

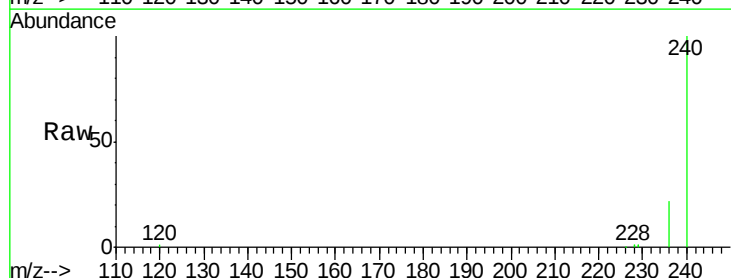
Tgt Ion:240 Resp: 83375

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

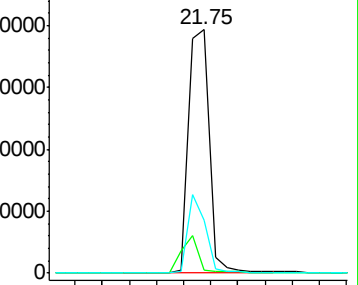
236 21.7 18.2 27.4



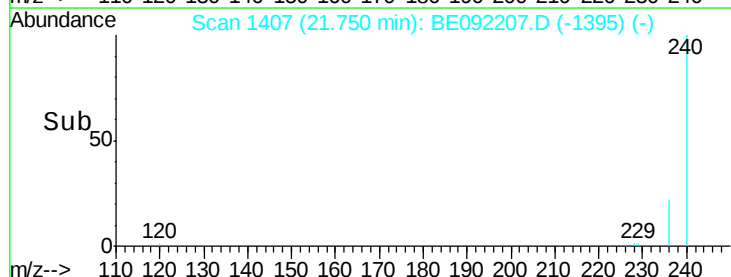
Abundance Ion 240.00 (239.70 to 240.70): E

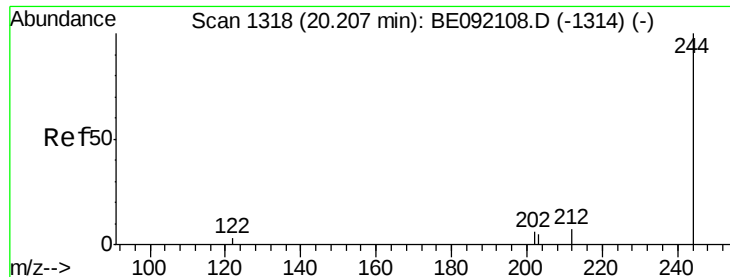
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#24

Terphenyl-d14

Concen: 4.06 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092207.D

Acq: 5 Aug 2016 7:02

Instrument :

BNA_E

ClientSampleId :

GW-63-7.5-15.0

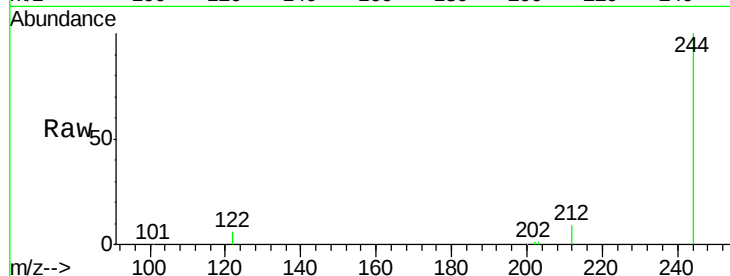
Tgt Ion:244 Resp: 48660

Ion Ratio Lower Upper

244 100

212 8.7 9.1 13.7#

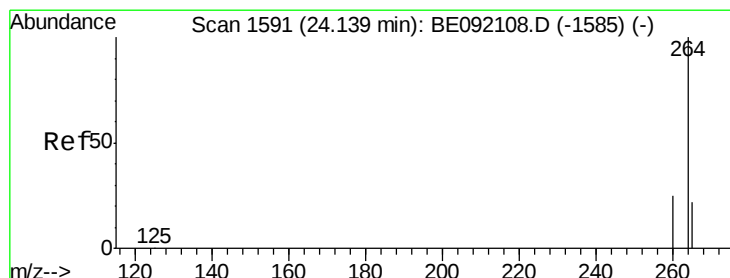
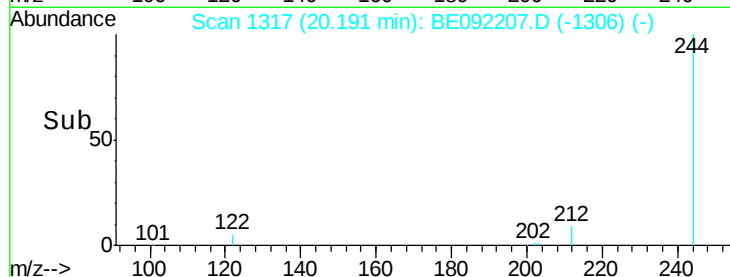
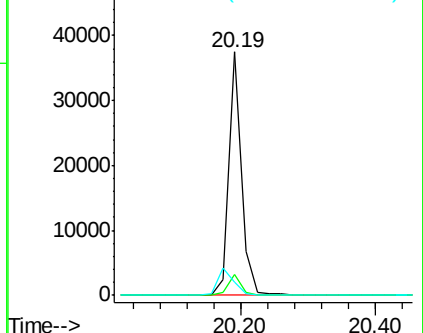
122 5.5 11.0 16.4#



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: BE092207.D

Acq: 5 Aug 2016 7:02

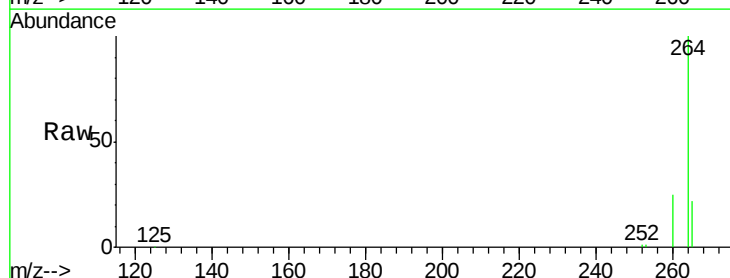
Tgt Ion:264 Resp: 82032

Ion Ratio Lower Upper

264 100

260 24.6 20.8 31.2

265 22.5 16.6 25.0



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

