

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092202.D
 Acq On : 5 Aug 2016 3:54
 Operator : UM/SJ
 Sample : H4287-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-58-9.6-19.0

Quant Time: Aug 05 06:03:33 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	11163	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	51001	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	27905	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	64519	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	78899	5.00	ng	0.00
28) Perylene-d12	24.14	264	78744	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	15027	5.24	ng	0.00
5) Phenol-d6	7.34	99	13806	3.61	ng	-0.01
7) Nitrobenzene-d5	9.34	82	13628	3.39	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7468	8.24	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	31725	3.59	ng	0.00
24) Terphenyl-d14	20.19	244	45964	4.06	ng	-0.02

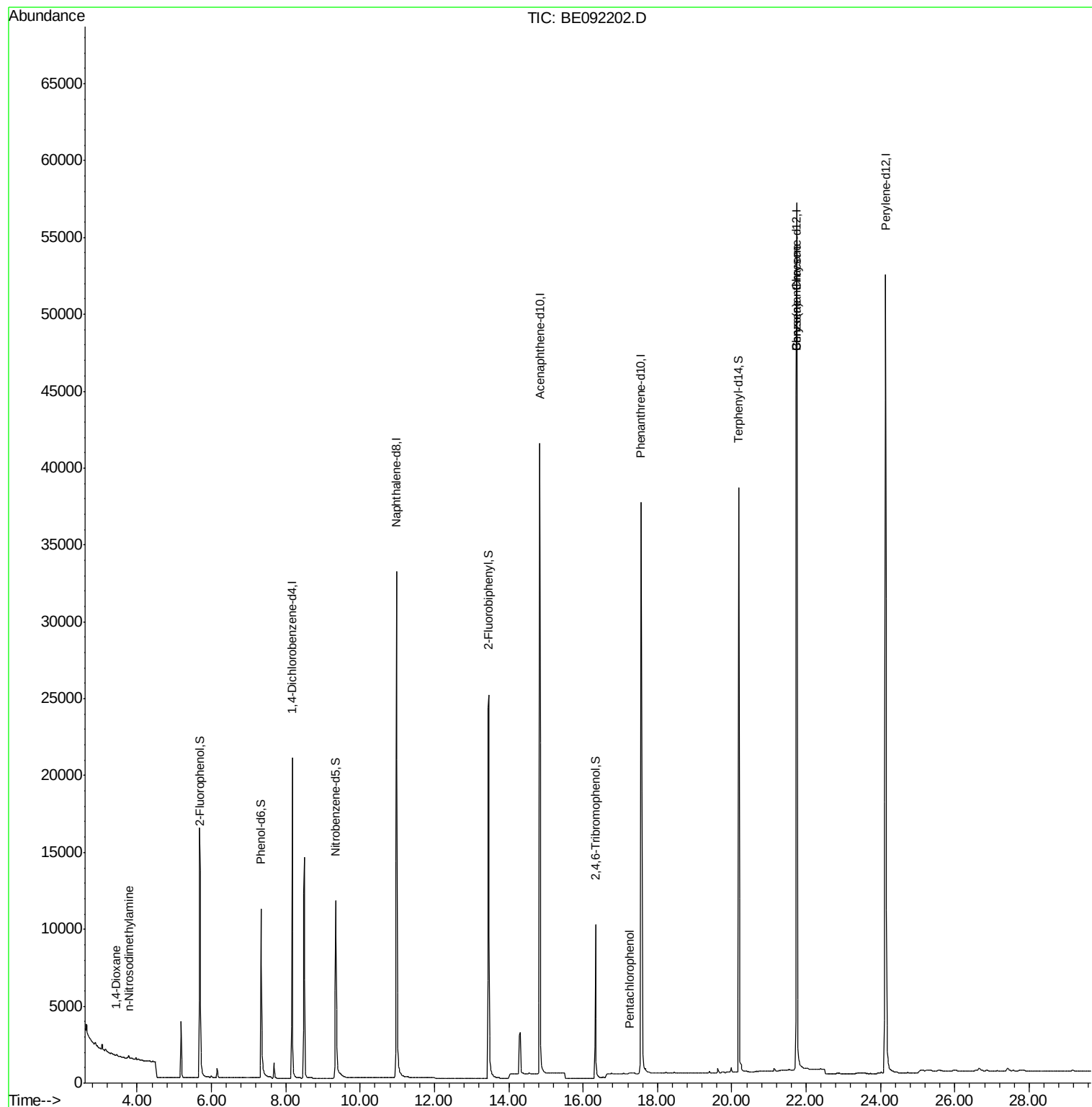
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	43	0.03	ng	# 6
3) n-Nitrosodimethylamine	3.77	42	37	0.11	ng	# 8
8) Naphthalene	11.03	128	69	Below Cal		# 1
18) Pentachlorophenol	17.26	266	30	0.22	ng	# 80
19) Phenanthrene	17.60	178	169	Below Cal		# 77
25) Benzo(a)anthracene	21.73	228	1884	0.02	ng	# 75
26) Chrysene	21.73	228	1937	0.02	ng	# 77
30) Benzo(k)fluoranthene	23.46	252	77	Below Cal		# 1

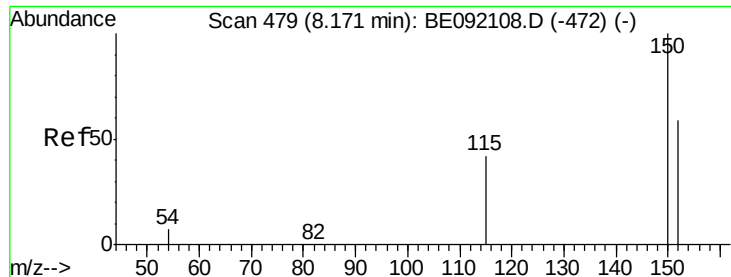
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092202.D

Acq: 5 Aug 2016 3:54

Instrument :

BNA_E

ClientSampleId :

GW-58-9.6-19.0

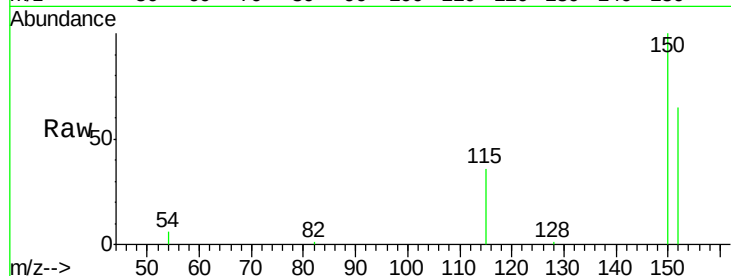
Tgt Ion:152 Resp: 11163

Ion Ratio Lower Upper

152 100

150 153.3 106.0 159.0

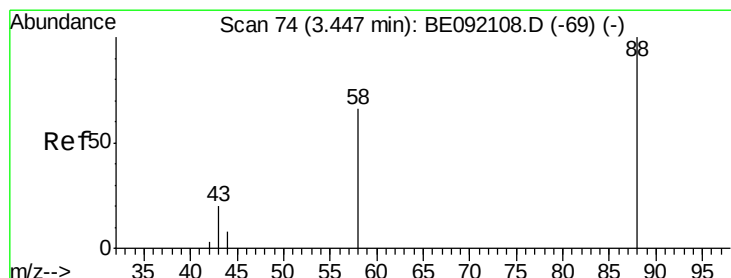
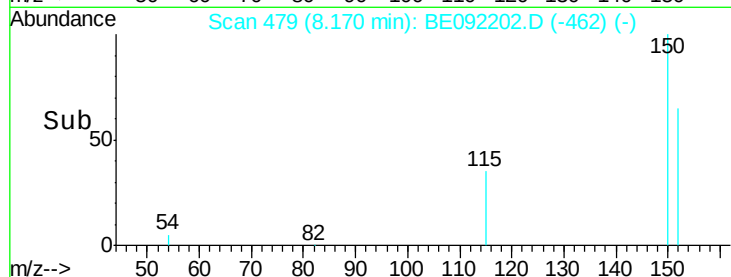
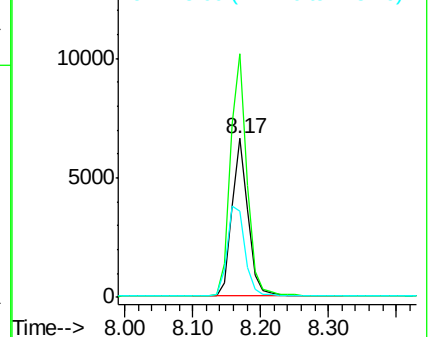
115 54.5 36.9 55.3



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: 0.03 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092202.D

Acq: 5 Aug 2016 3:54

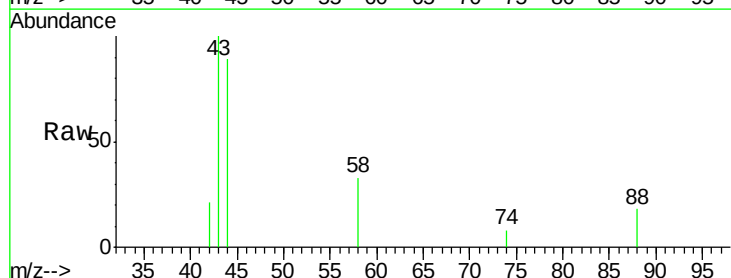
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

58 172.1 62.1 93.1#

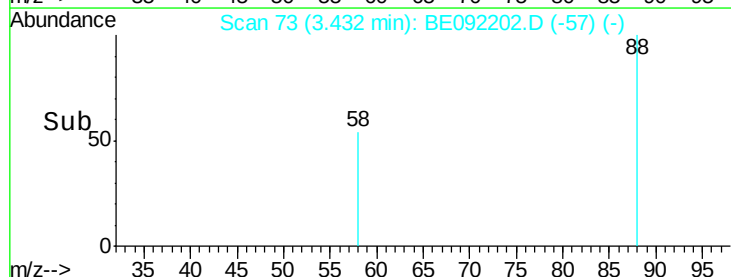
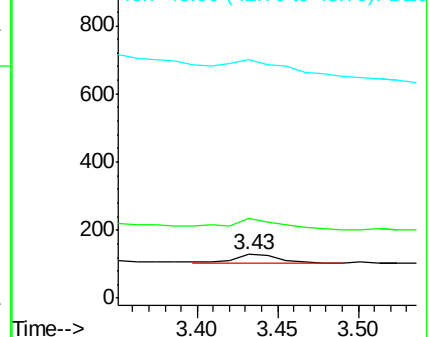
43 0.0 27.2 40.8#

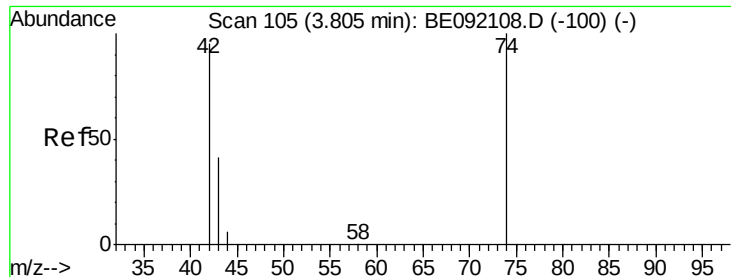


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092202.D

Acq: 5 Aug 2016 3:54

Instrument :

BNA_E

ClientSampleId :

GW-58-9.6-19.0

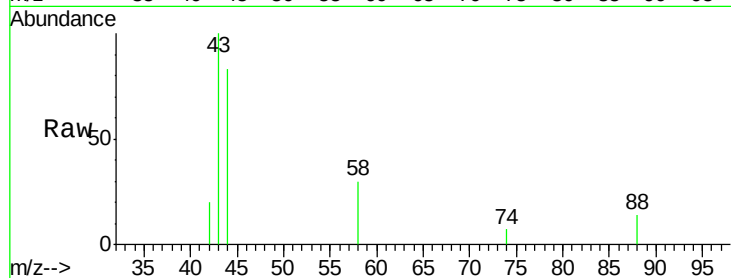
Tgt Ion: 42 Resp: 37

Ion Ratio Lower Upper

42 100

74 2.7 82.8 124.2#

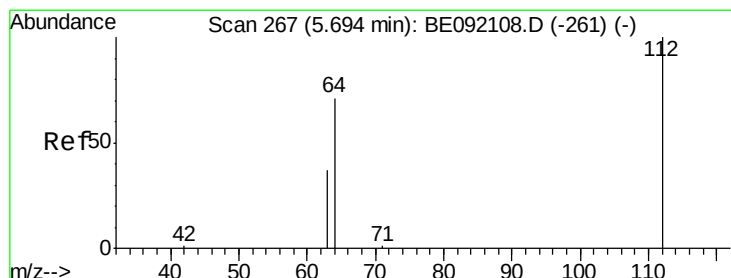
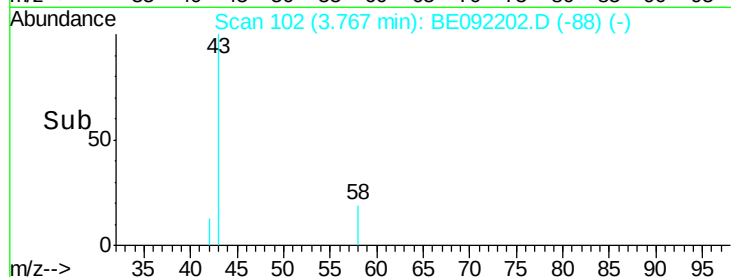
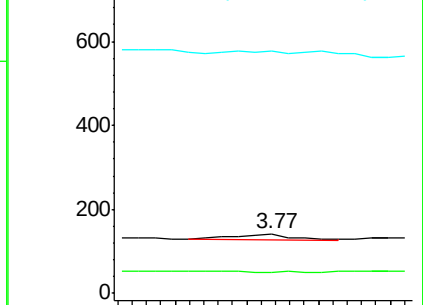
44 0.0 9.0 13.4#



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: 5.24 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092202.D

Acq: 5 Aug 2016 3:54

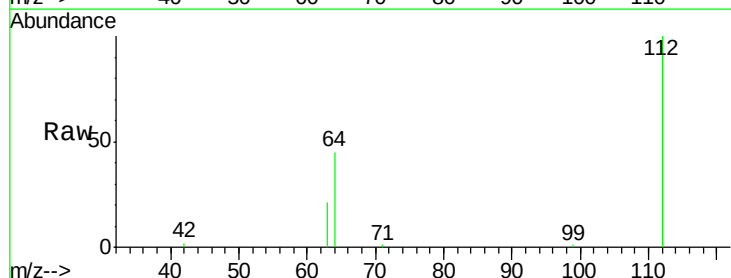
Tgt Ion: 112 Resp: 15027

Ion Ratio Lower Upper

112 100

64 67.0 55.9 83.9

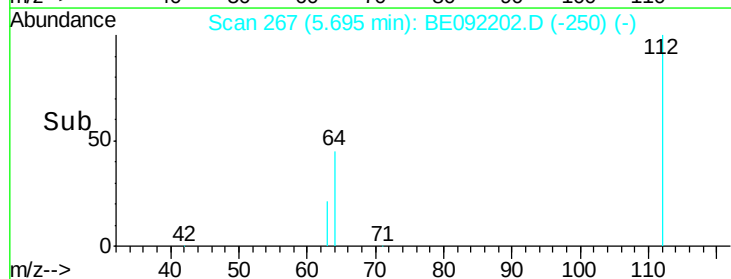
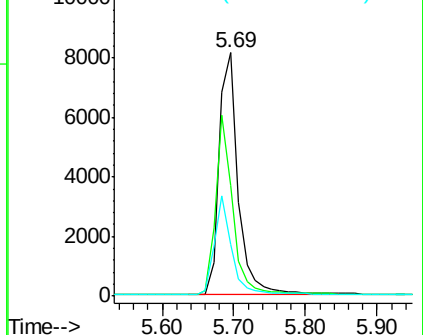
63 36.6 31.1 46.7

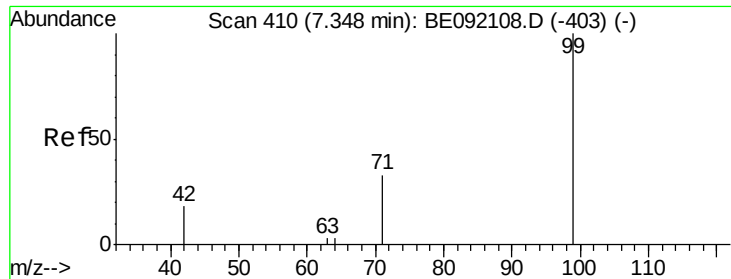


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 3.61 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092202.D

Acq: 5 Aug 2016 3:54

Instrument :

BNA_E

ClientSampleId :

GW-58-9.6-19.0

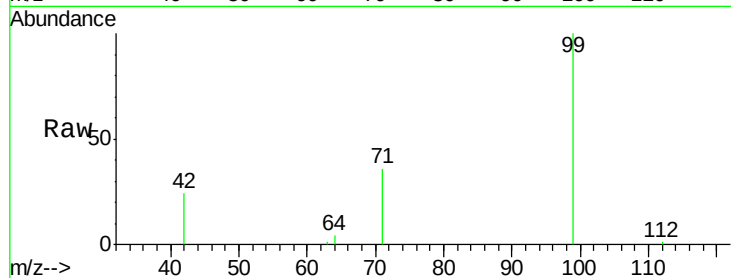
Tgt Ion: 99 Resp: 13806

Ion Ratio Lower Upper

99 100

42 25.0 22.4 33.6

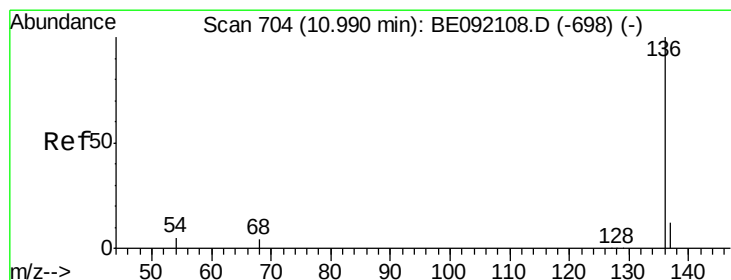
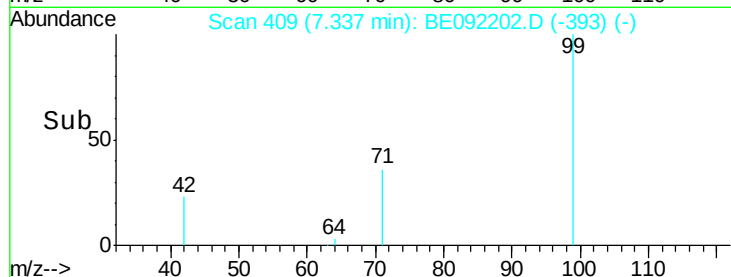
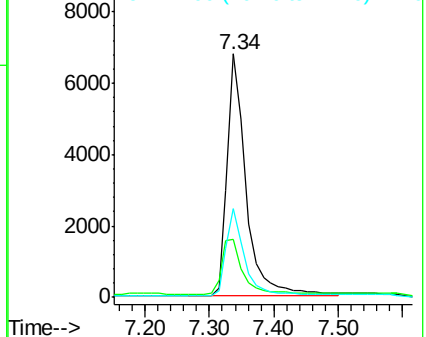
71 35.3 28.9 43.3



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: BE092202.D

Acq: 5 Aug 2016 3:54

Tgt Ion: 136 Resp: 51001

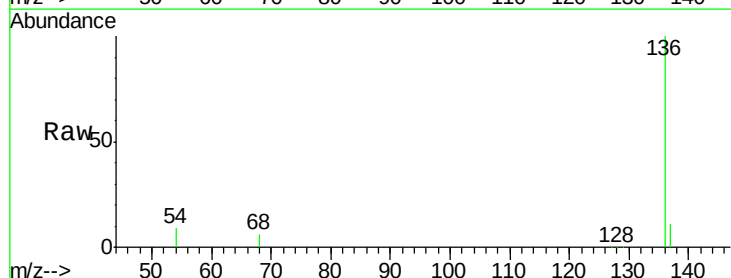
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.8 2.7 4.1#

68 6.3 2.2 3.4#

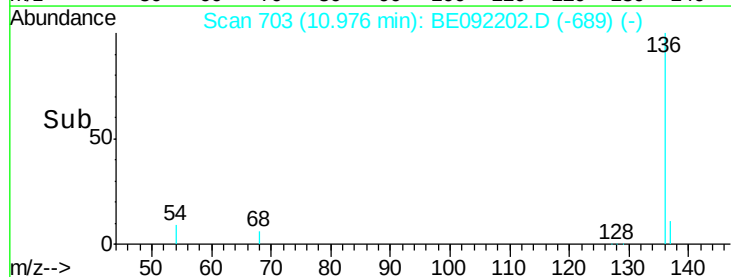
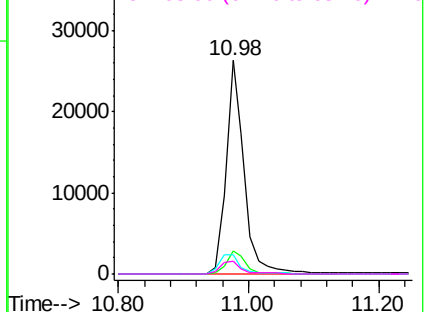


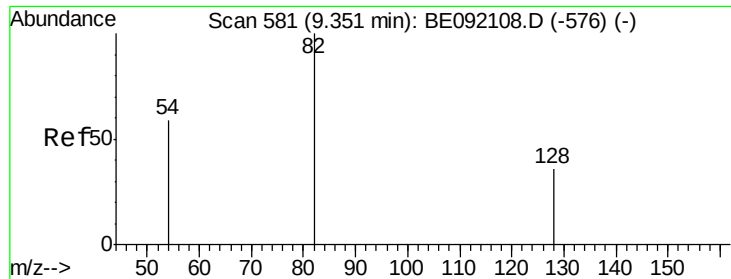
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.39 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092202.D

Acq: 5 Aug 2016 3:54

Instrument :

BNA_E

ClientSampleId :

GW-58-9.6-19.0

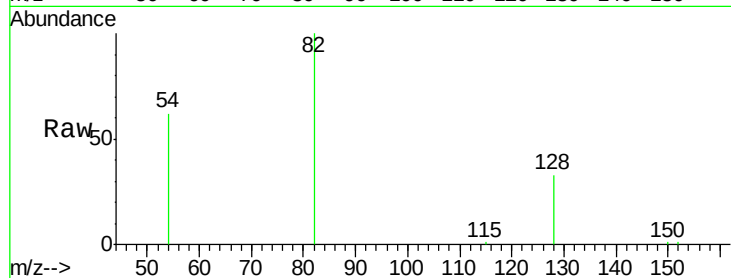
Tgt Ion: 82 Resp: 13628

Ion Ratio Lower Upper

82 100

128 33.4 33.0 49.4

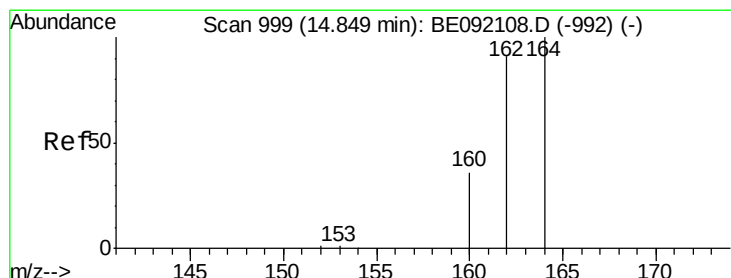
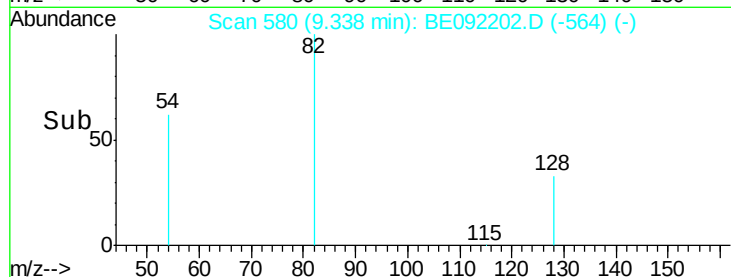
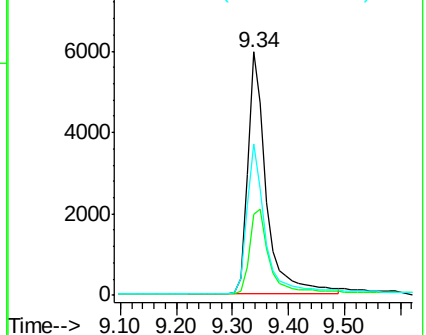
54 62.1 42.6 63.8



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: BE092202.D

Acq: 5 Aug 2016 3:54

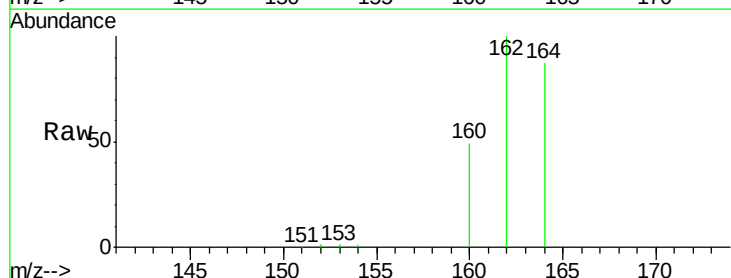
Tgt Ion: 164 Resp: 27905

Ion Ratio Lower Upper

164 100

162 114.4 69.5 104.3#

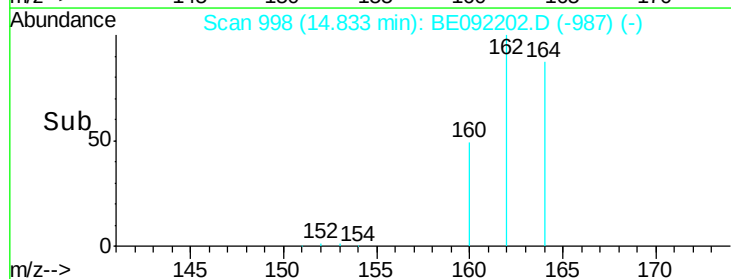
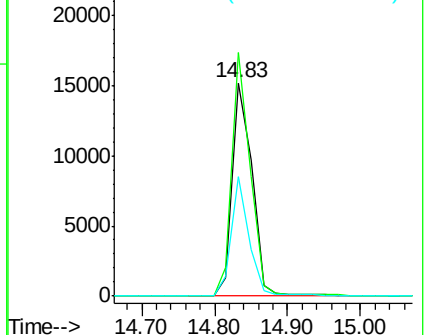
160 56.1 27.6 41.4#

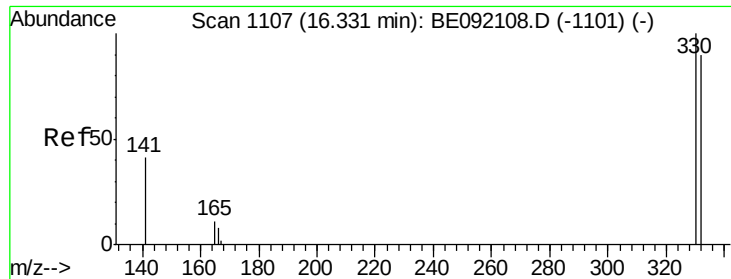


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

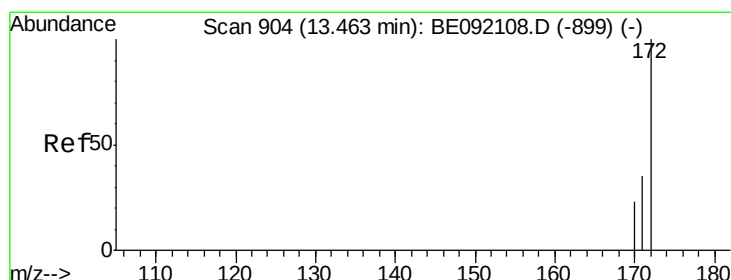
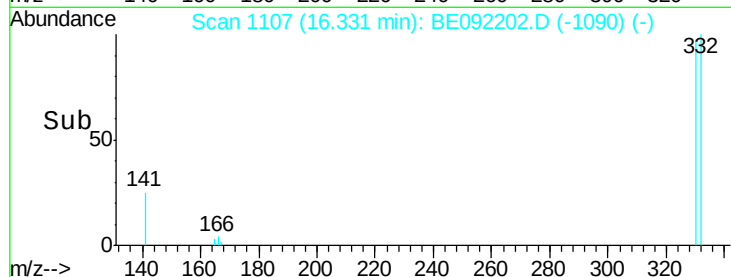
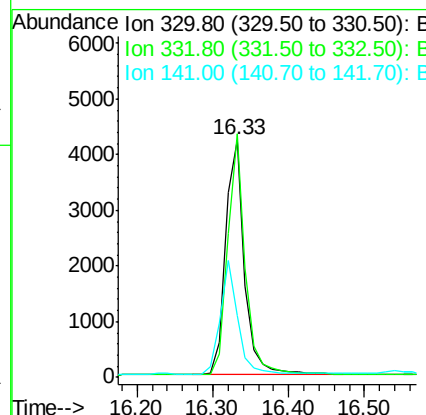
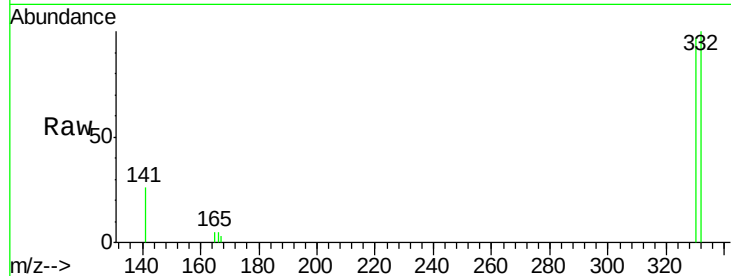




#11
 2,4,6-Tribromophenol
 Concen: 8.24 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092202.D
 Acq: 5 Aug 2016 3:54

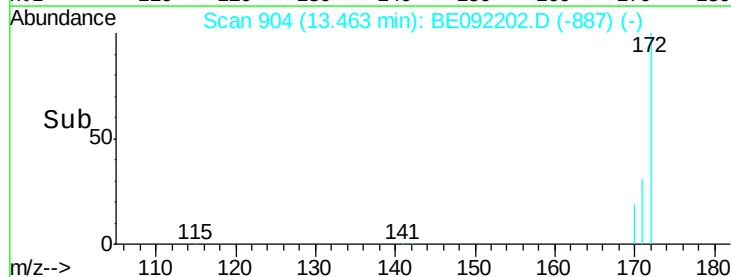
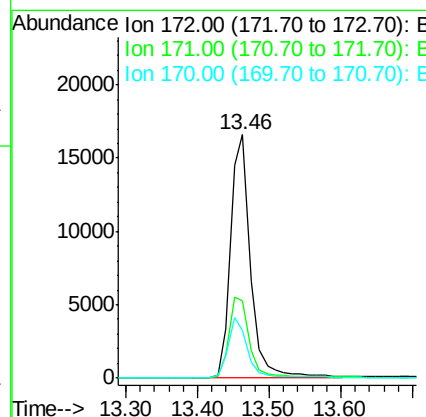
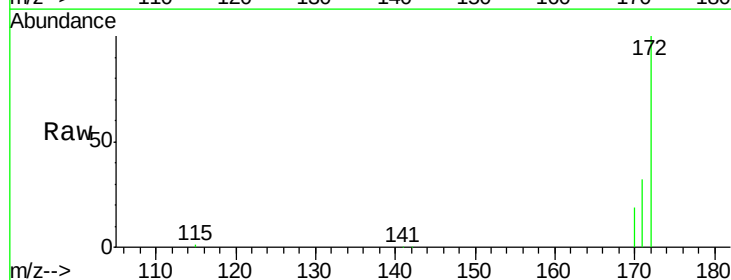
Instrument :
 BNA_E
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 GW-58-9.6-19.0

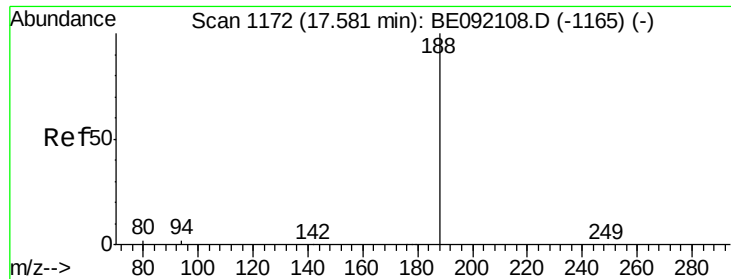
Tgt Ion: 330 Resp: 7468
 Ion Ratio Lower Upper
 330 100
 332 96.1 74.2 111.4
 141 44.6 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.59 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092202.D
 Acq: 5 Aug 2016 3:54

Tgt Ion: 172 Resp: 31725
 Ion Ratio Lower Upper
 172 100
 171 31.6 30.3 45.5
 170 19.4 21.6 32.4#

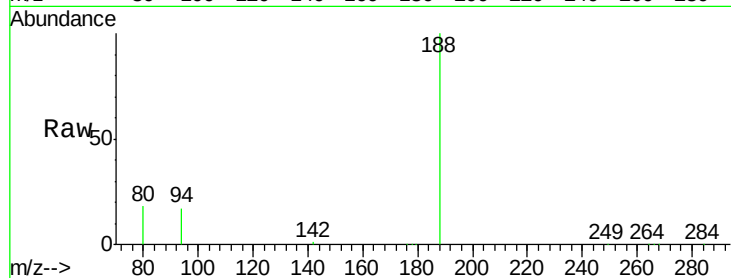




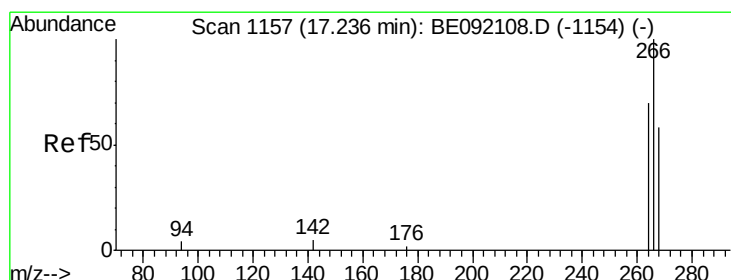
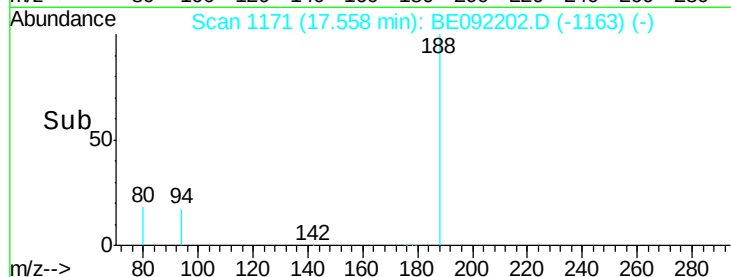
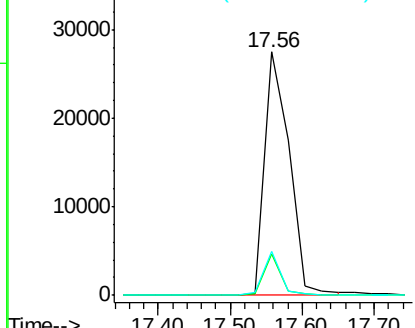
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092202.D
Acq: 5 Aug 2016 3:54

Instrument :
BNA_E
ClientSampleId :
GW-58-9.6-19.0

Tgt Ion:188 Resp: 64519
Ion Ratio Lower Upper
188 100
94 17.2 3.9 5.9#
80 17.9 3.4 5.0#

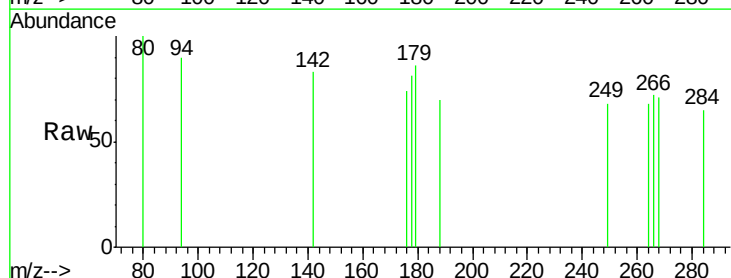


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

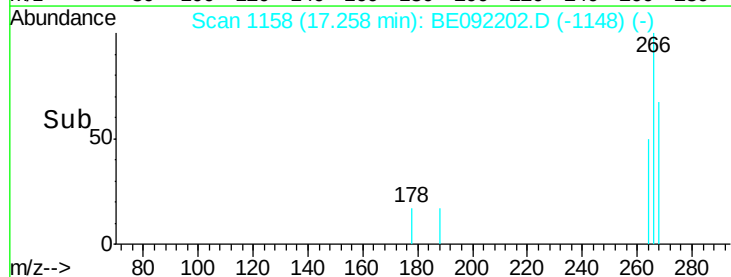
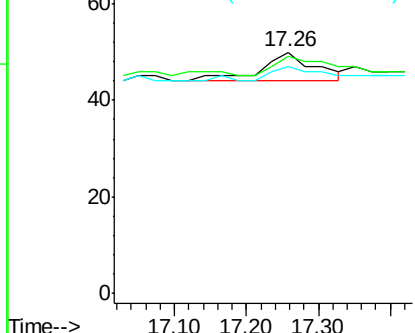


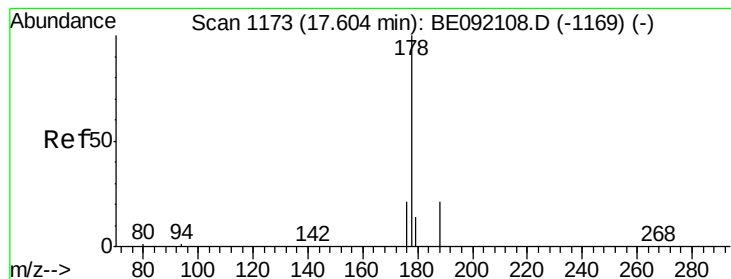
#18
Pentachlorophenol
Concen: 0.22 ng
RT: 17.26 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BE092202.D
Acq: 5 Aug 2016 3:54

Tgt Ion:266 Resp: 30
Ion Ratio Lower Upper
266 100
268 98.0 62.7 94.1#
264 94.0 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: BE092202.D

Acq: 5 Aug 2016 3:54

Instrument :

BNA_E

ClientSampleId :

GW-58-9.6-19.0

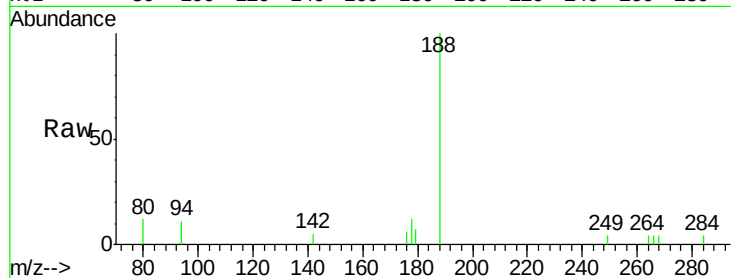
Tgt Ion:178 Resp: 169

Ion Ratio Lower Upper

178 100

176 24.3 15.4 23.0#

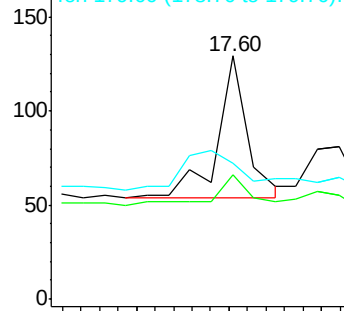
179 0.0 12.7 19.1#



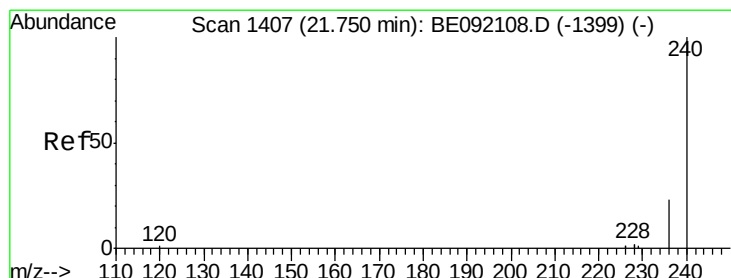
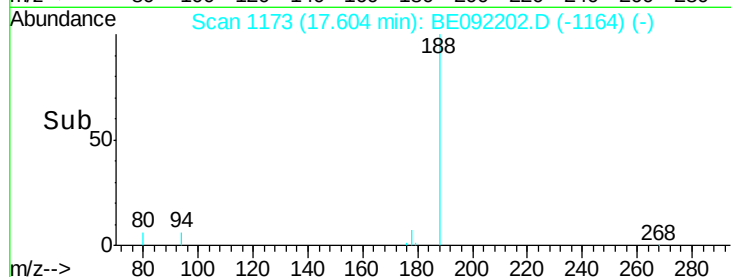
Abundance Ion 178.00 (177.70 to 178.70): E

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: BE092202.D

Acq: 5 Aug 2016 3:54

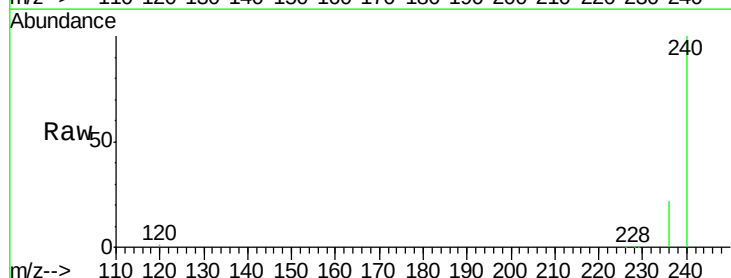
Tgt Ion:240 Resp: 78899

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

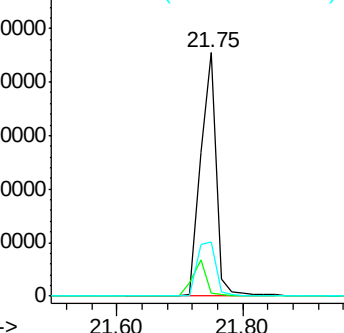
236 22.2 18.2 27.4



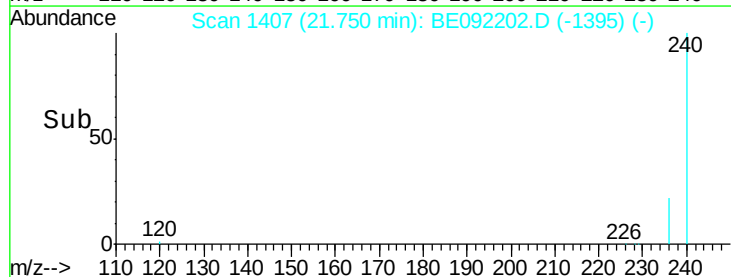
Abundance Ion 240.00 (239.70 to 240.70): E

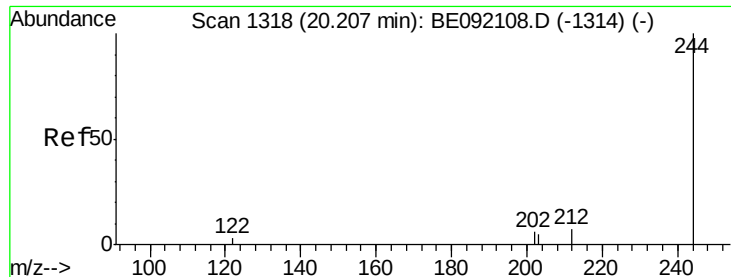
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

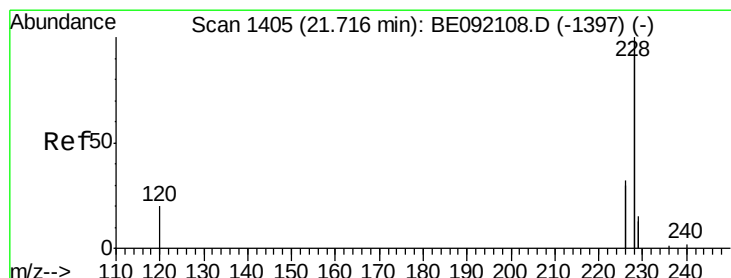
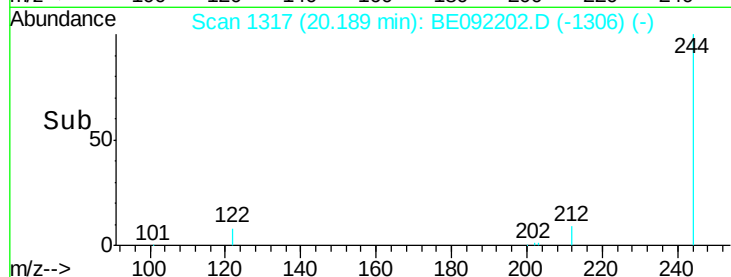
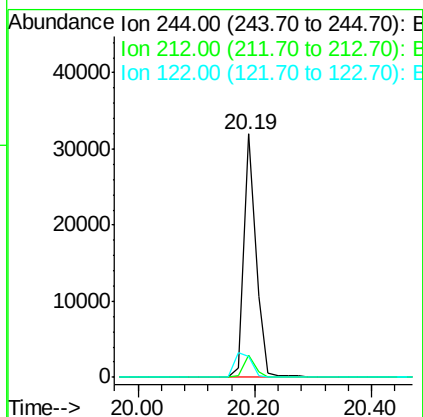
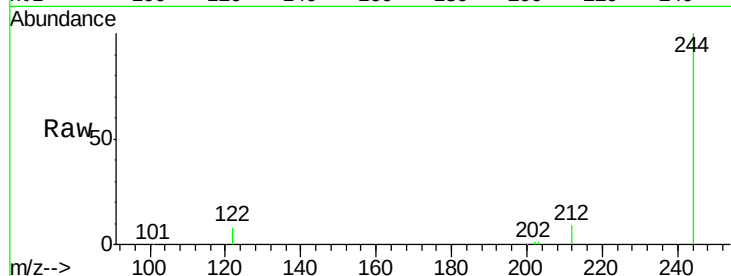




#24
 Terphenyl-d14
 Concen: 4.06 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092202.D
 Acq: 5 Aug 2016 3:54

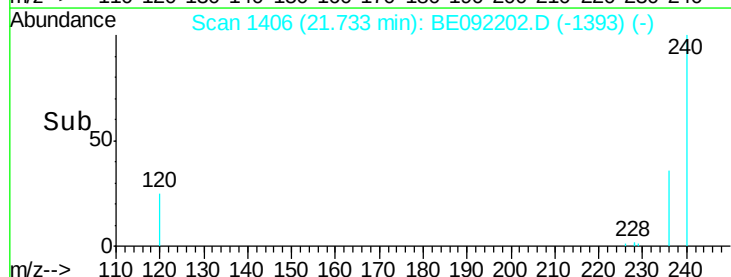
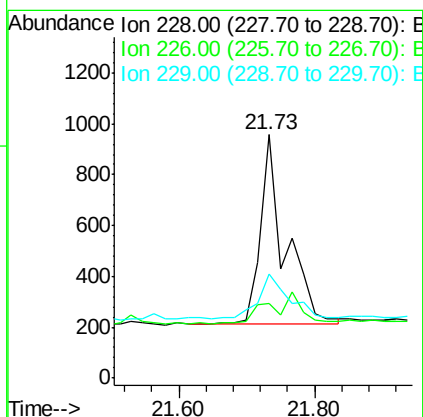
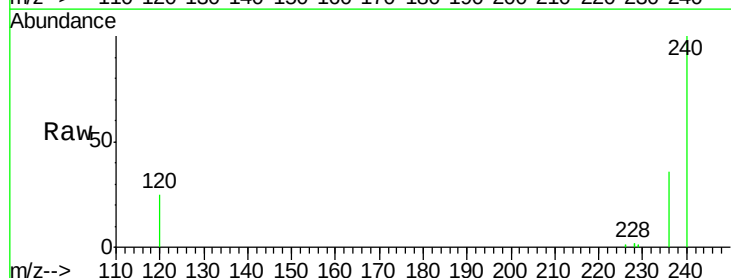
Instrument :
 BNA_E
 ClientSampleId :
 GW-58-9.6-19.0

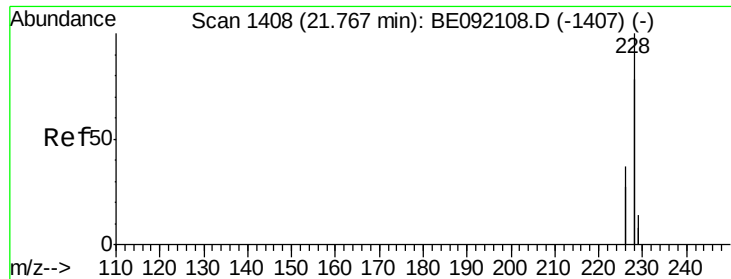
Tgt Ion: 244 Resp: 45964
 Ion Ratio Lower Upper
 244 100
 212 9.0 9.1 13.7#
 122 8.4 11.0 16.4#



#25
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.73 min Scan# 1406
 Delta R.T. 0.02 min
 Lab File: BE092202.D
 Acq: 5 Aug 2016 3:54

Tgt Ion: 228 Resp: 1884
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.1 33.1
 229 42.8 15.1 22.7#

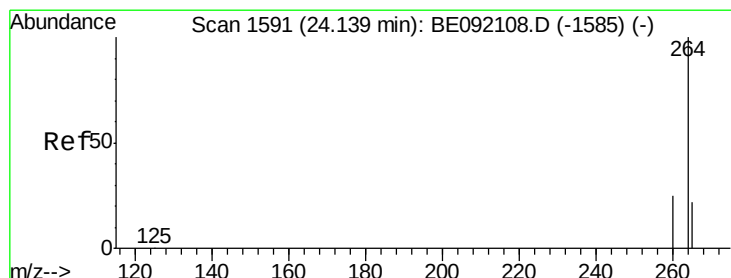
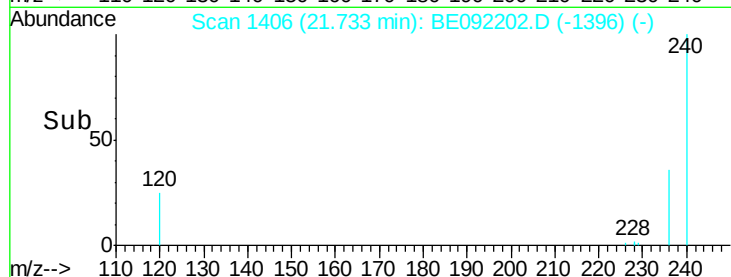
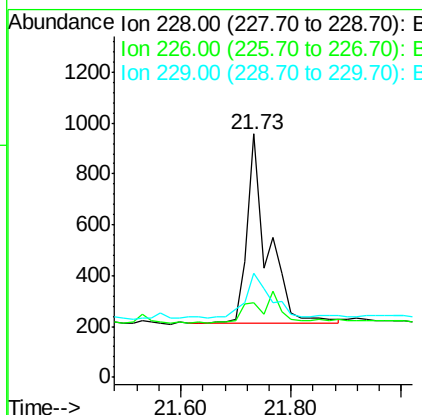
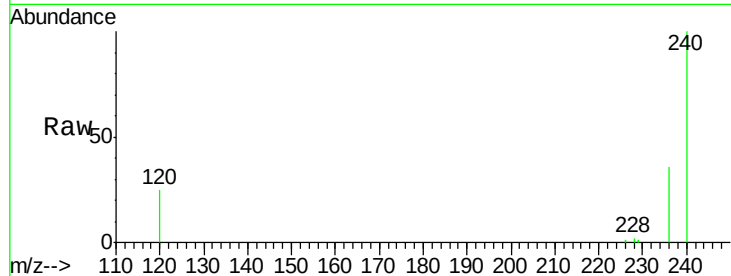




#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092202.D
Acq: 5 Aug 2016 3:54

Instrument :
BNA_E
ClientSampleId :
GW-58-9.6-19.0

Tgt Ion:228 Resp: 1937
Ion Ratio Lower Upper
228 100
226 30.9 22.3 33.5
229 42.8 16.9 25.3#



#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092202.D
Acq: 5 Aug 2016 3:54

Tgt Ion:264 Resp: 78744
Ion Ratio Lower Upper
264 100
260 24.4 20.8 31.2
265 22.7 16.6 25.0

