

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092193.D
 Acq On : 4 Aug 2016 21:47
 Operator : UM/SJ
 Sample : H4269-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-52-11.1-15.0

Quant Time: Aug 05 03:15:02 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

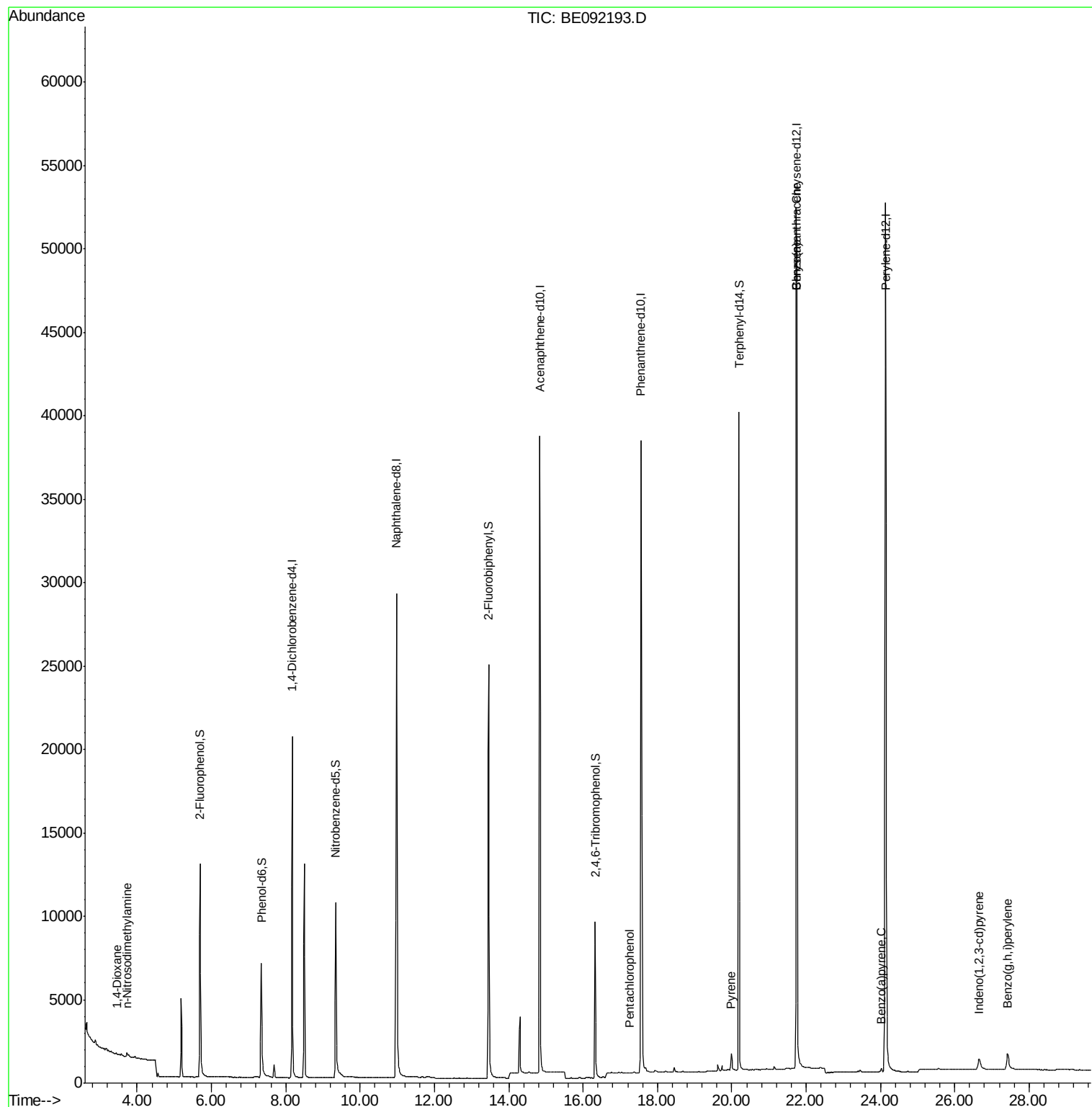
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10631	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	47900	5.00	ng	-0.02
10) Acenaphthene-d10	14.83	164	26276	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	62412	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	79325	5.00	ng	0.00
28) Perylene-d12	24.14	264	78653	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11366	4.16	ng	0.00
5) Phenol-d6	7.35	99	9443	2.60	ng	0.00
7) Nitrobenzene-d5	9.34	82	12417	3.29	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6814	7.99	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	28055	3.37	ng	0.00
24) Terphenyl-d14	20.19	244	46922	4.12	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.45	88	39	0.03	ng	# 39
3) n-Nitrosodimethylamine	3.72	42	121	0.15	ng	# 1
8) Naphthalene	11.03	128	59	Below Cal		# 1
18) Pentachlorophenol	17.26	266	7	0.20	ng	# 77
19) Phenanthrene	17.61	178	283	Below Cal		# 72
23) Pyrene	19.99	202	1662	0.02	ng	# 79
25) Benzo(a)anthracene	21.73	228	1974	0.02	ng	# 74
26) Chrysene	21.73	228	1978	0.02	ng	# 76
27) Indeno(1,2,3-cd)pyrene	26.65	276	2018	0.02	ng	# 97
30) Benzo(k)fluoranthene	23.46	252	218	Below Cal		# 1
31) Benzo(a)pyrene	24.02	252	425	0.02	ng	# 4
33) Benzo(g,h,i)perylene	27.42	276	3026	0.04	ng	# 63

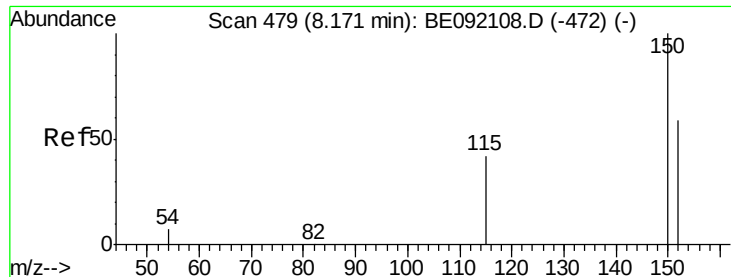
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

Instrument :

BNA_E

ClientSampleId :

GW-52-11.1-15.0

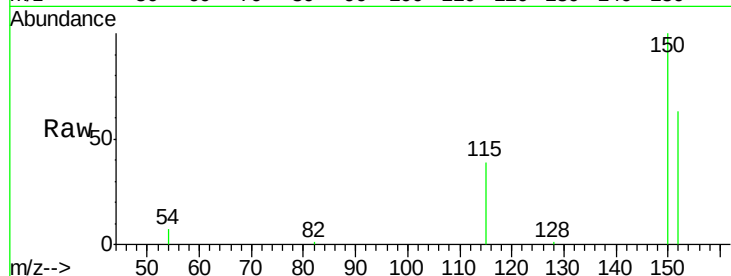
Tgt Ion:152 Resp: 10631

Ion Ratio Lower Upper

152 100

150 159.7 106.0 159.0#

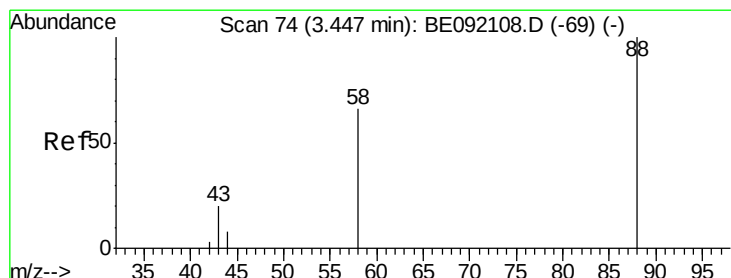
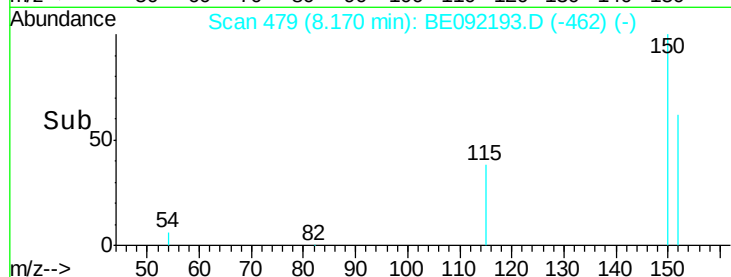
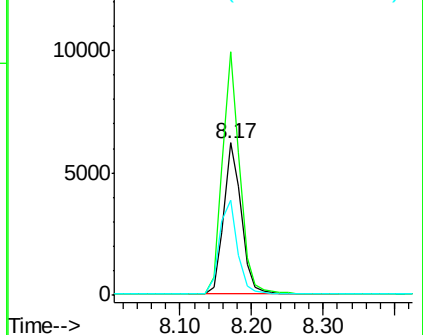
115 62.0 36.9 55.3#



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: 3.45 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

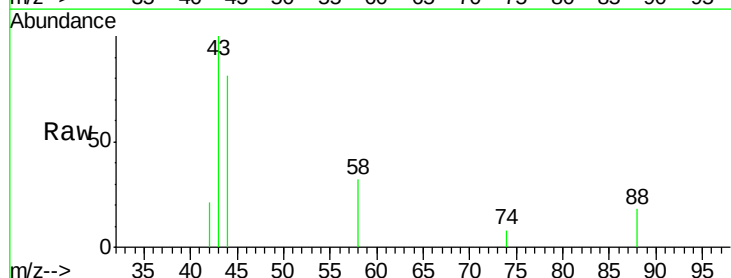
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

58 130.8 62.1 93.1#

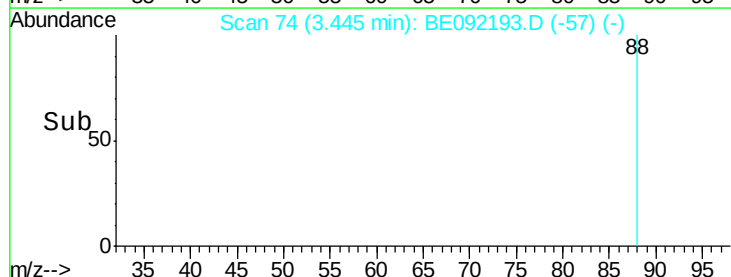
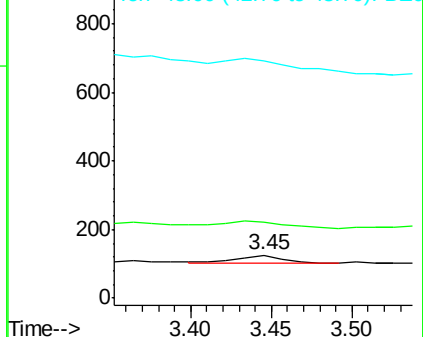
43 0.0 27.2 40.8#

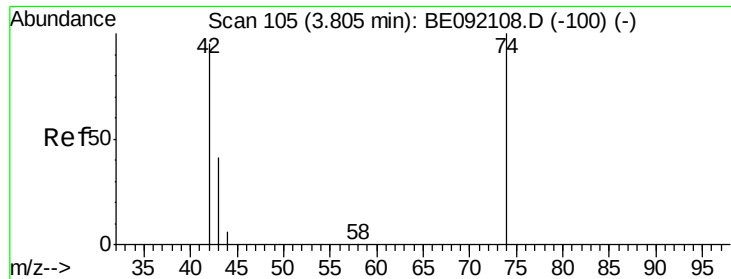


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.15 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

Instrument :

BNA_E

ClientSampleId :

GW-52-11.1-15.0

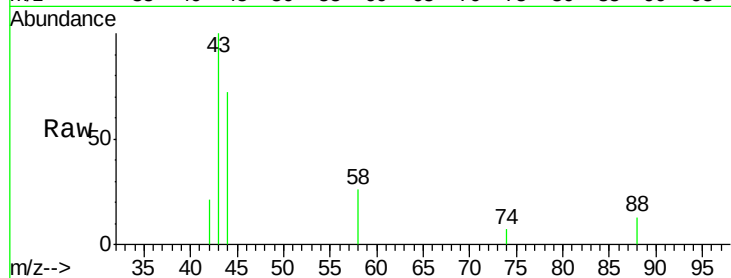
Tgt Ion: 42 Resp: 121

Ion Ratio Lower Upper

42 100

74 7.4 82.8 124.2#

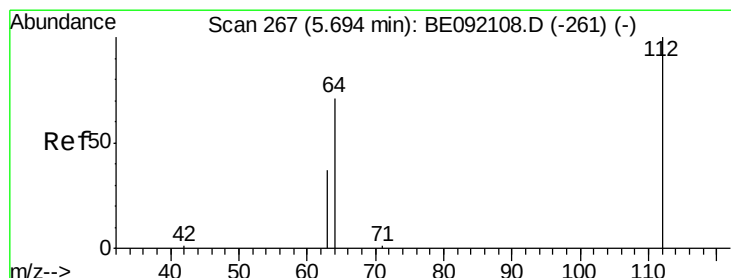
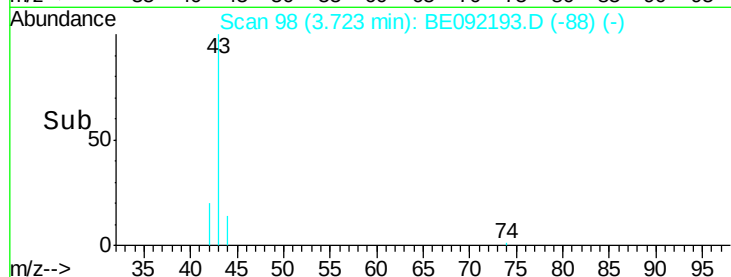
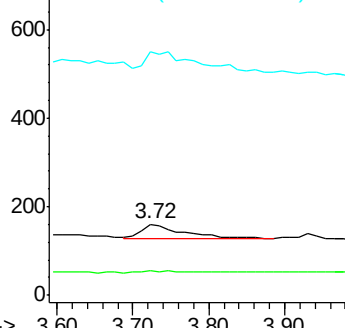
44 214.0 9.0 13.4#



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: 4.16 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

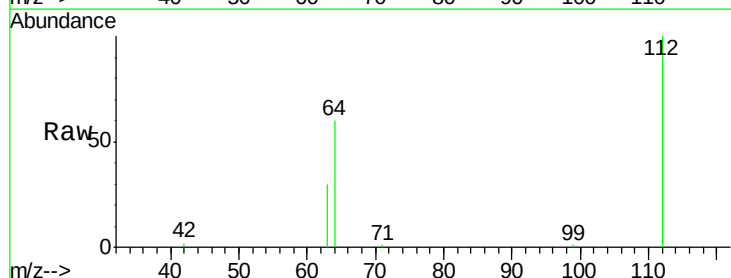
Tgt Ion: 112 Resp: 11366

Ion Ratio Lower Upper

112 100

64 66.9 55.9 83.9

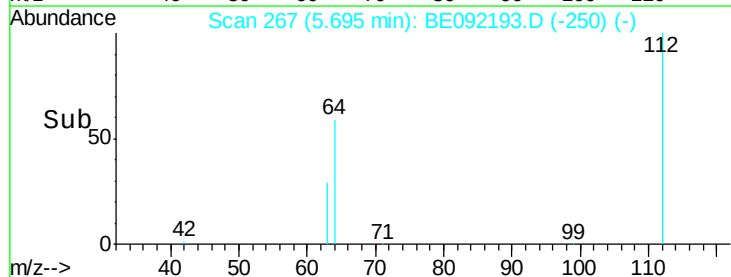
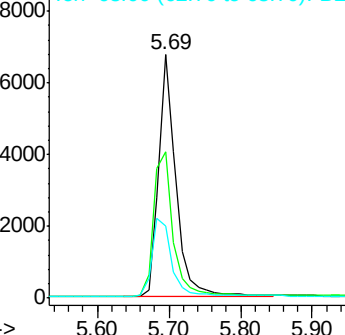
63 36.5 31.1 46.7

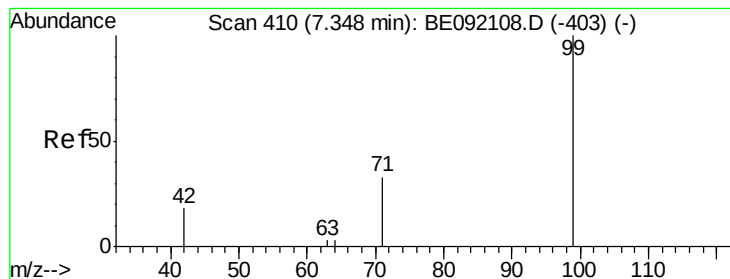


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.60 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

Instrument :

BNA_E

ClientSampleId :

GW-52-11.1-15.0

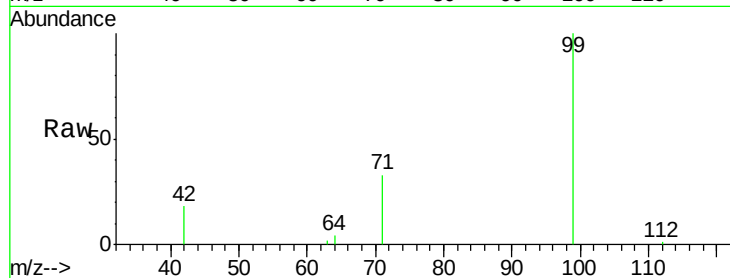
Tgt Ion: 99 Resp: 9443

Ion Ratio Lower Upper

99 100

42 25.3 22.4 33.6

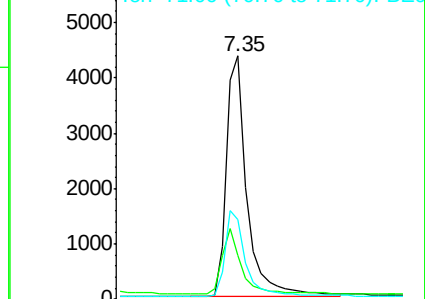
71 35.5 28.9 43.3



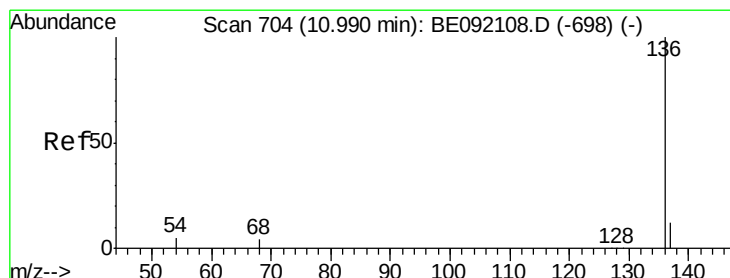
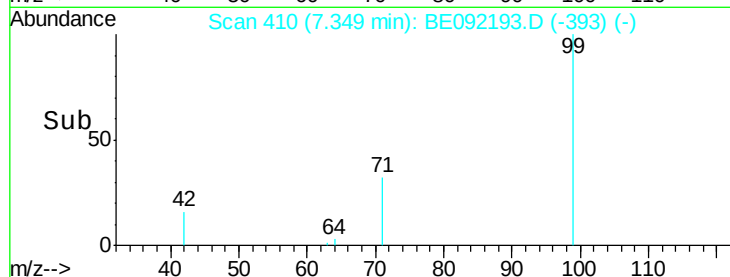
Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)



Time-->



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.02 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

Tgt Ion: 136 Resp: 47900

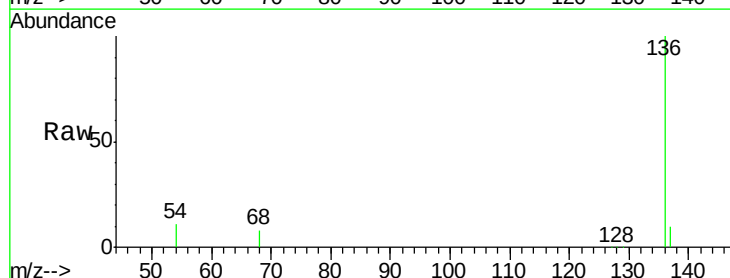
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 11.1 2.7 4.1#

68 7.6 2.2 3.4#

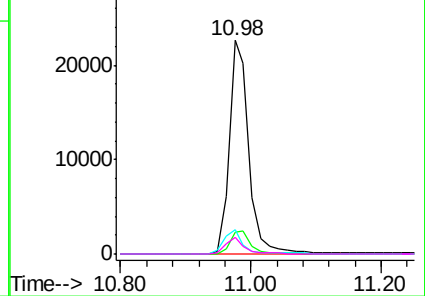


Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

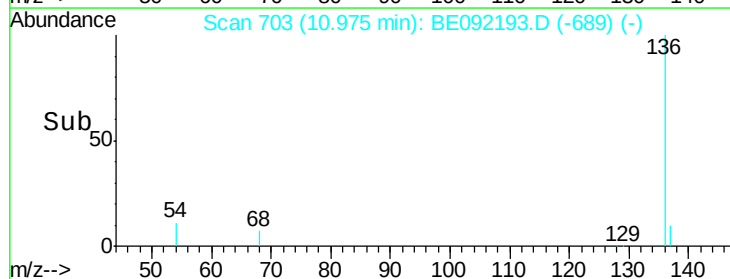
Ion 137.00 (136.70 to 137.70): BE092108.D (-698) (-)

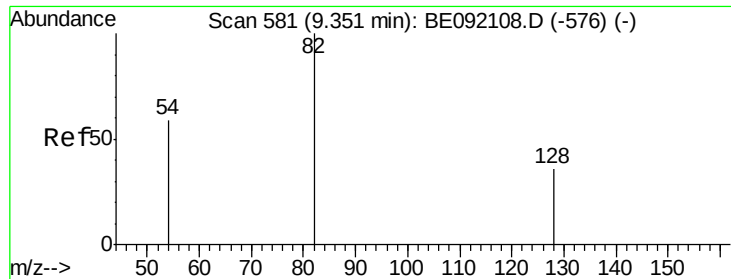
Ion 54.00 (53.70 to 54.70): BE092108.D (-698) (-)

Ion 68.00 (67.70 to 68.70): BE092108.D (-698) (-)



Time-->





#7

Nitrobenzene-d5

Concen: 3.29 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

Instrument :

BNA_E

ClientSampleId :

GW-52-11.1-15.0

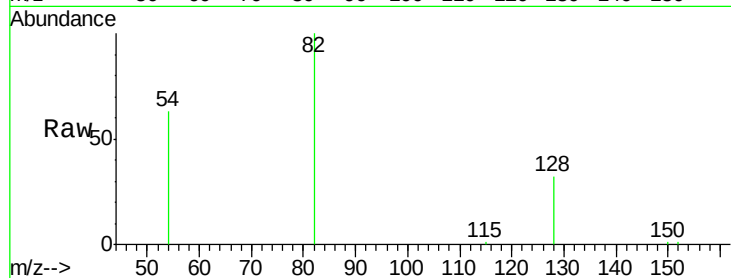
Tgt Ion: 82 Resp: 12417

Ion Ratio Lower Upper

82 100

128 32.1 33.0 49.4#

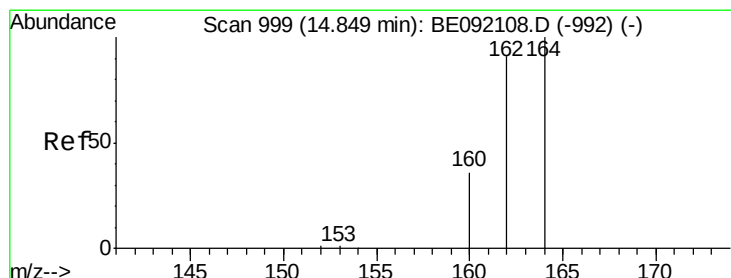
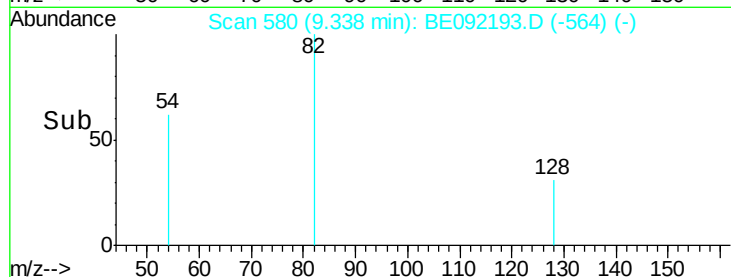
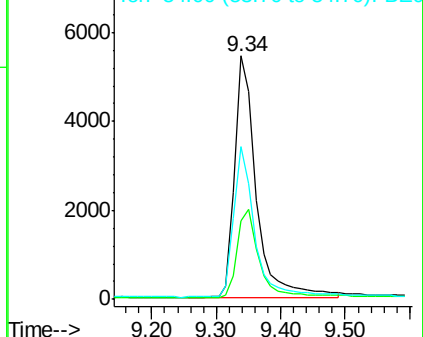
54 62.6 42.6 63.8



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: BE092193.D

Acq: 4 Aug 2016 21:47

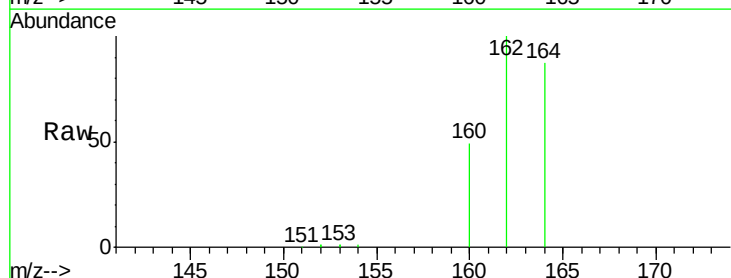
Tgt Ion: 164 Resp: 26276

Ion Ratio Lower Upper

164 100

162 114.5 69.5 104.3#

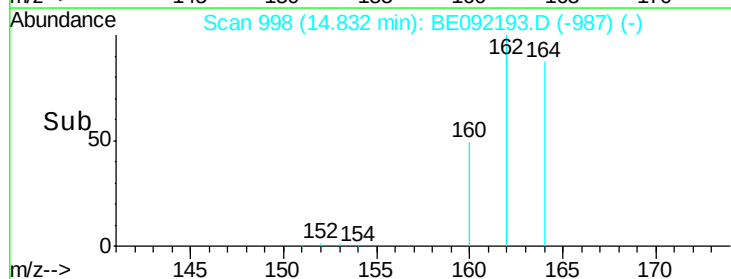
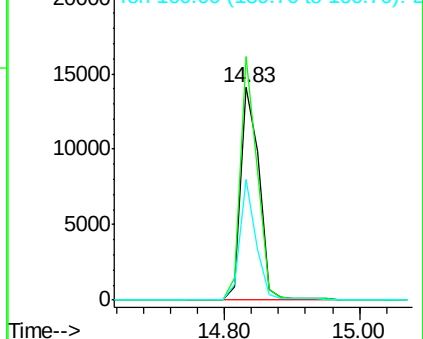
160 56.6 27.6 41.4#

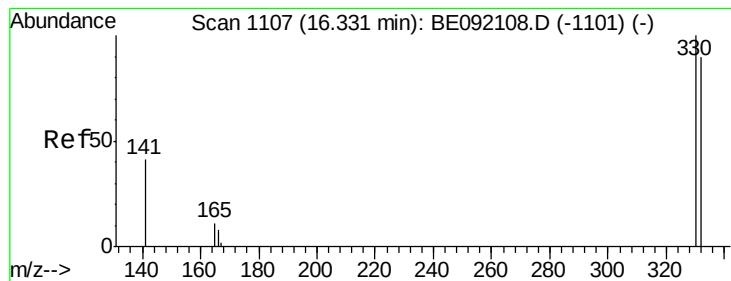


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

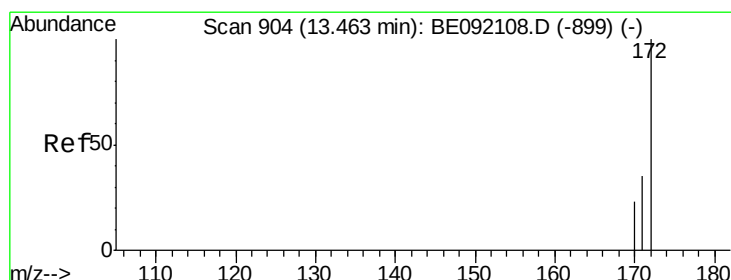
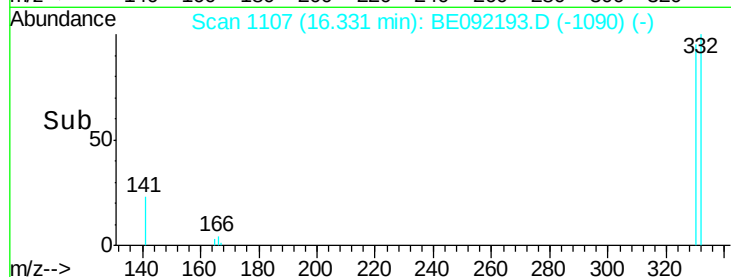
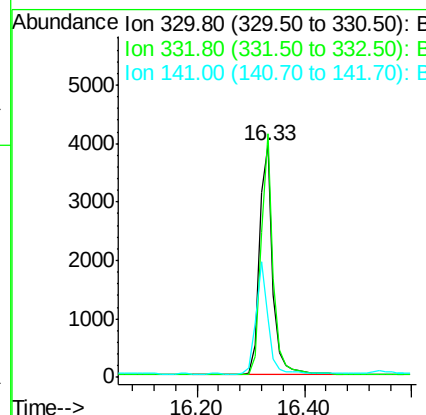
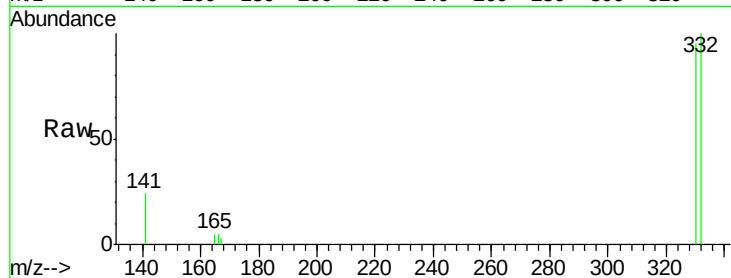




#11
 2,4,6-Tribromophenol
 Concen: 7.99 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092193.D
 Acq: 4 Aug 2016 21:47

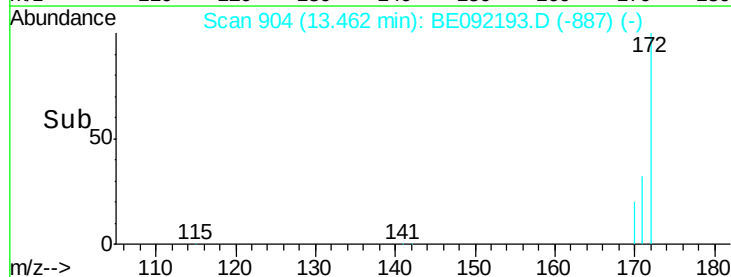
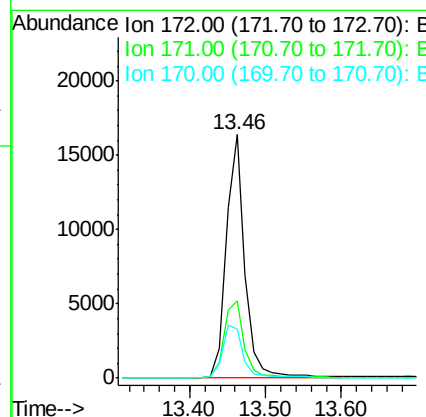
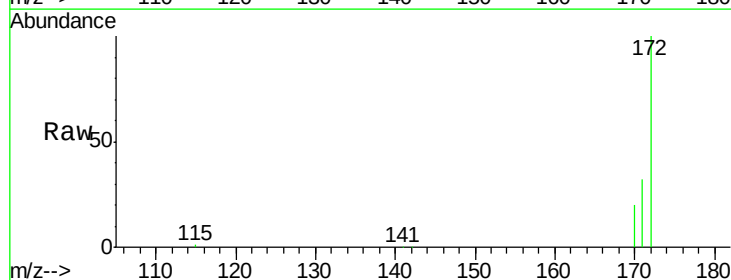
Instrument :
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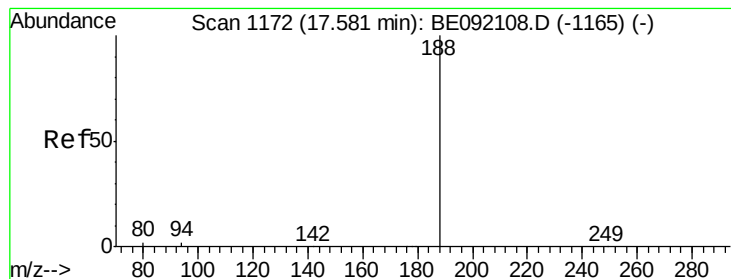
Tgt Ion: 330 Resp: 6814
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.2 111.4
 141 44.6 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.37 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092193.D
 Acq: 4 Aug 2016 21:47

Tgt Ion: 172 Resp: 28055
 Ion Ratio Lower Upper
 172 100
 171 31.9 30.3 45.5
 170 19.9 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: BE092193.D

Acq: 4 Aug 2016 21:47

Instrument :

BNA_E

ClientSampleId :

GW-52-11.1-15.0

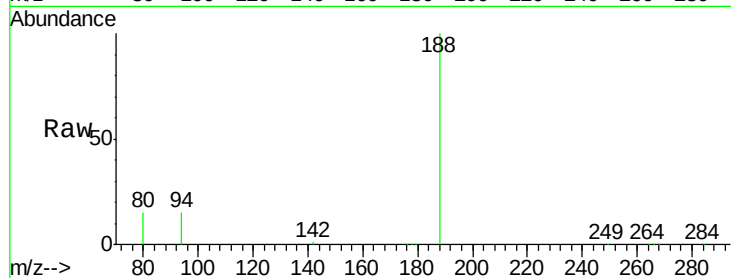
Tgt Ion:188 Resp: 62412

Ion Ratio Lower Upper

188 100

94 14.8 3.9 5.9#

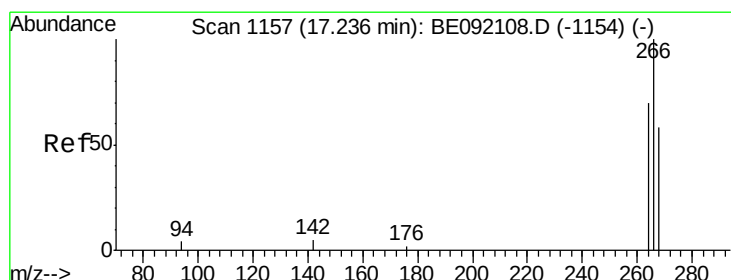
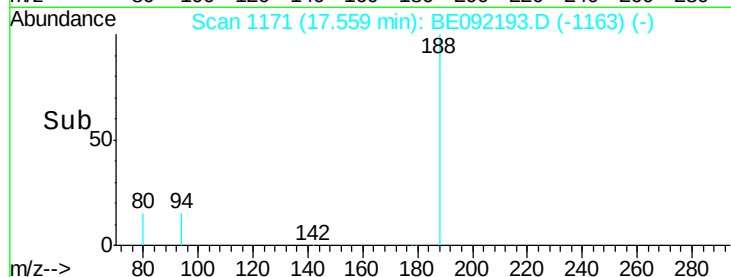
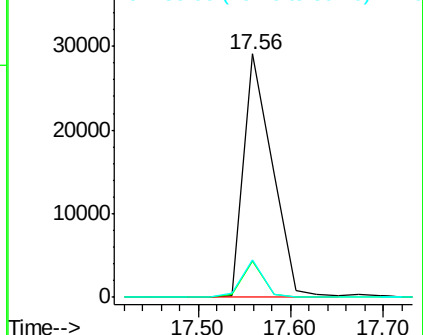
80 15.4 3.4 5.0#



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: 17.26 min Scan# 1158

Delta R.T. 0.02 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

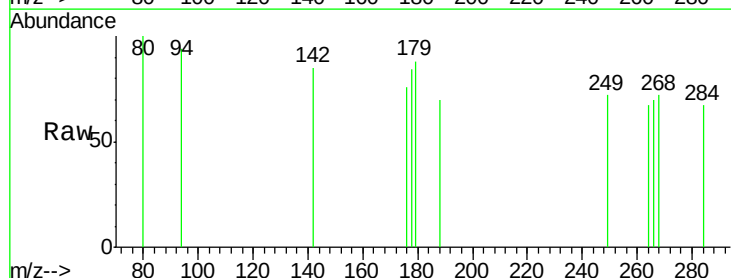
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

268 102.1 62.7 94.1#

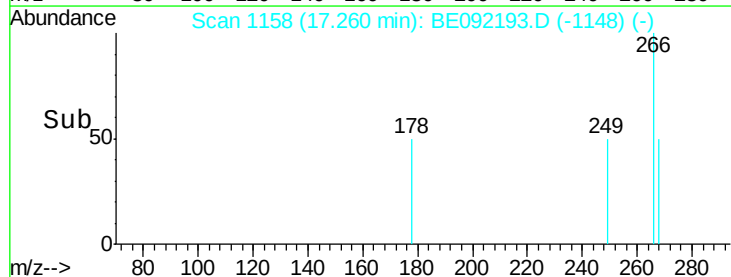
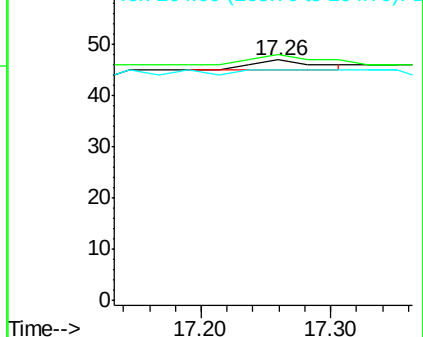
264 95.7 63.5 95.3#

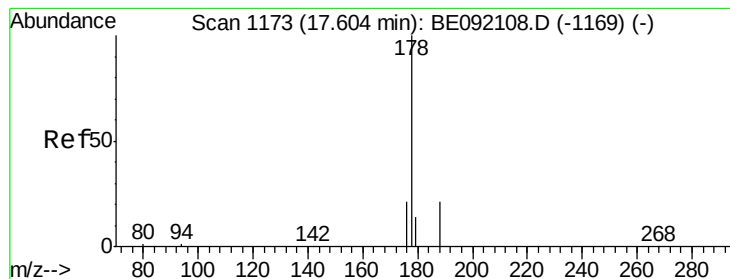


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Phenanthrene

Concen: Below Cal

RT: 17.61 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092193.D

Acq: 4 Aug 2016 21:47

Instrument :

BNA_E

ClientSampleId :

GW-52-11.1-15.0

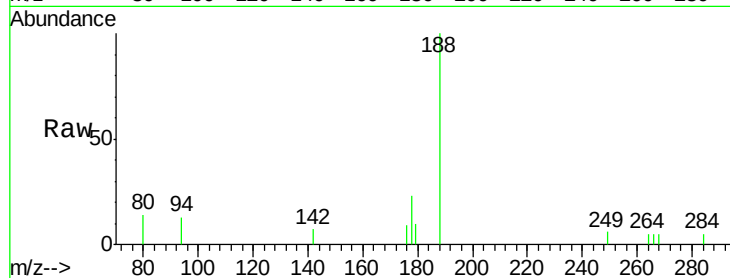
Tgt Ion:178 Resp: 283

Ion Ratio Lower Upper

178 100

176 16.6 15.4 23.0

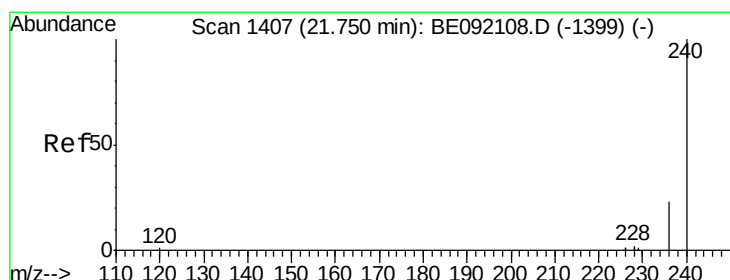
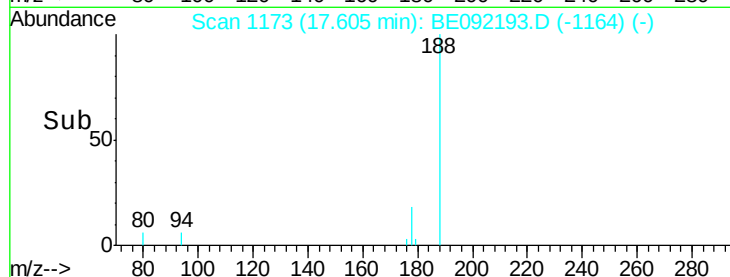
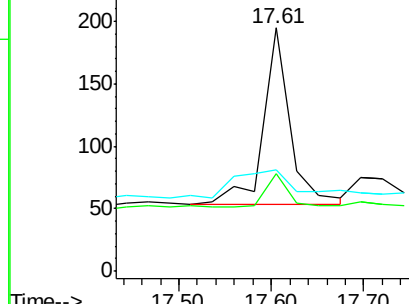
179 39.2 12.7 19.1#



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: BE092193.D

Acq: 4 Aug 2016 21:47

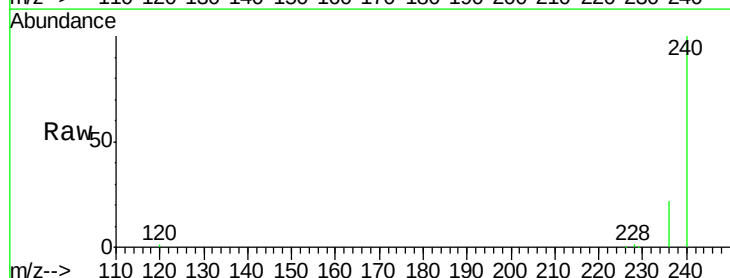
Tgt Ion:240 Resp: 79325

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

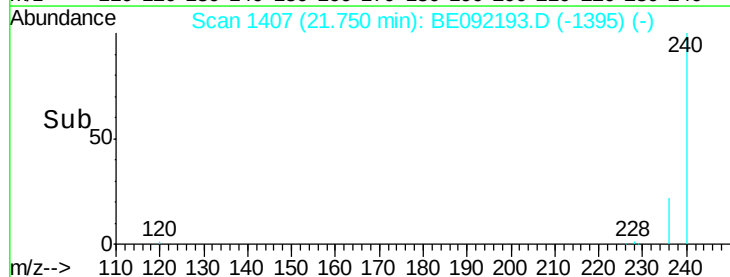
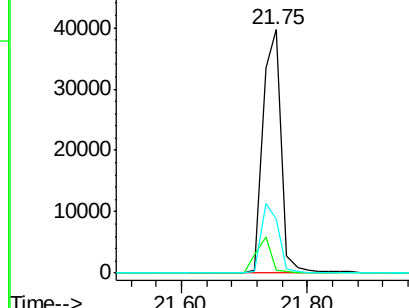
236 22.3 18.2 27.4

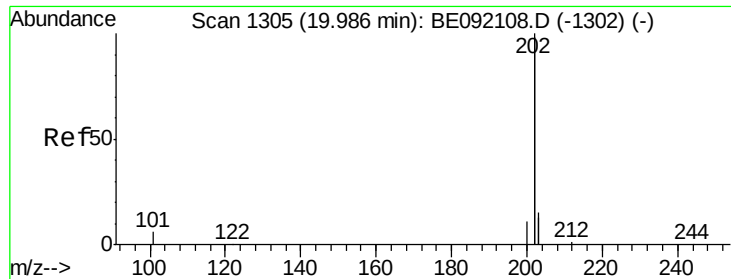


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

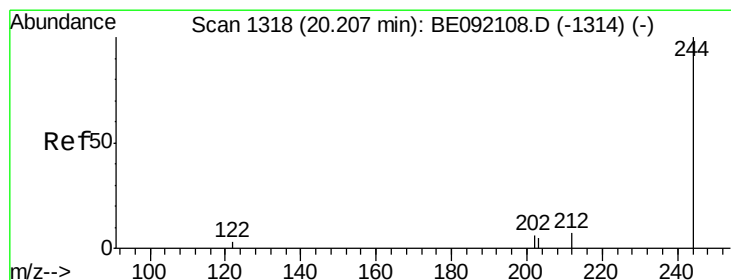
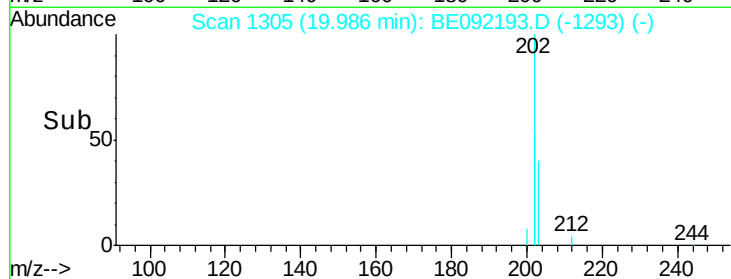
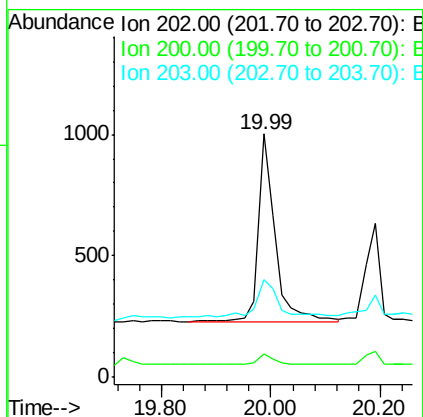
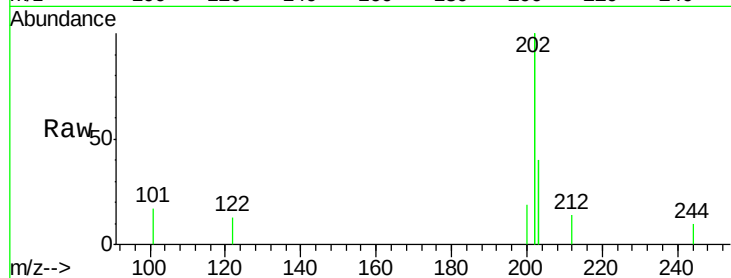




#23
 Pyrene
 Concen: 0.02 ng
 RT: 19.99 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BE092193.D
 Acq: 4 Aug 2016 21:47

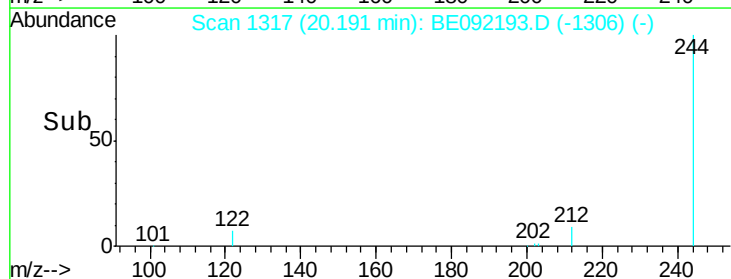
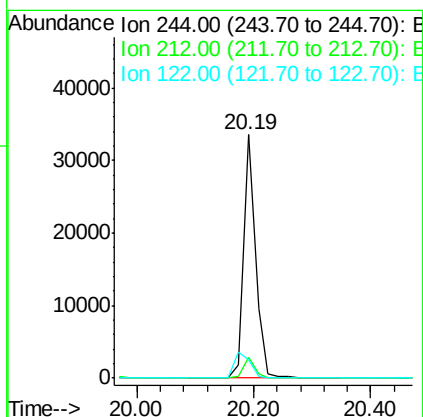
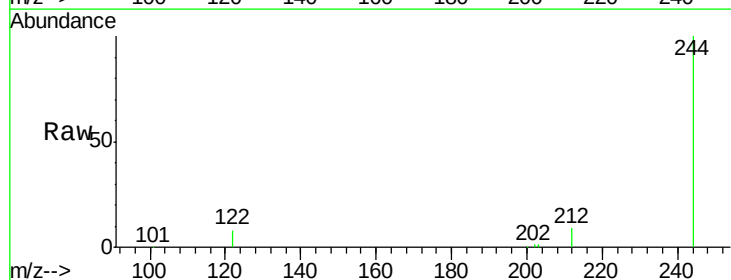
Instrument :
 BNA_E
 ClientSampleId :
 GW-52-11.1-15.0

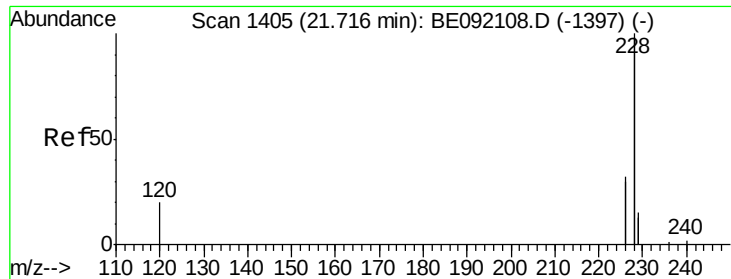
Tgt Ion: 202 Resp: 1662
 Ion Ratio Lower Upper
 202 100
 200 5.6 4.4 6.6
 203 28.4 13.4 20.0#



#24
 Terphenyl-d14
 Concen: 4.12 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092193.D
 Acq: 4 Aug 2016 21:47

Tgt Ion: 244 Resp: 46922
 Ion Ratio Lower Upper
 244 100
 212 8.8 9.1 13.7#
 122 7.5 11.0 16.4#

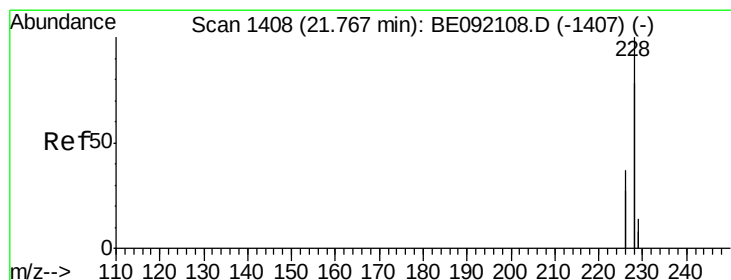
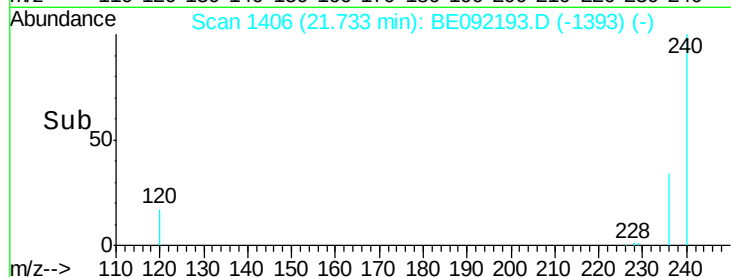
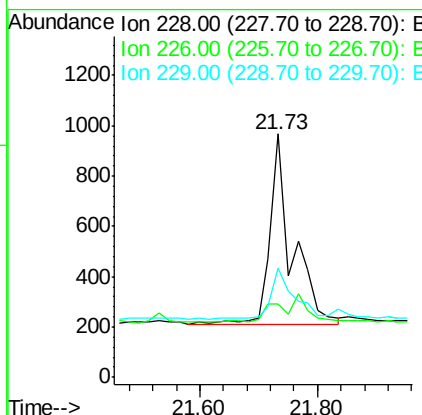
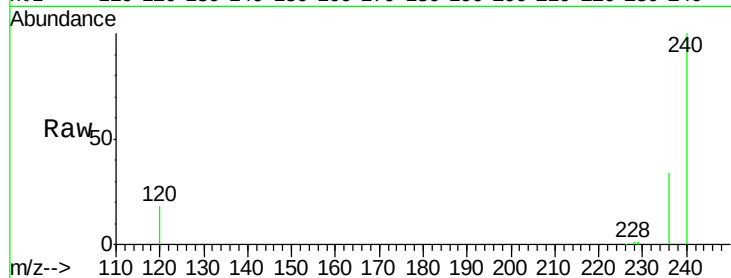




#25
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

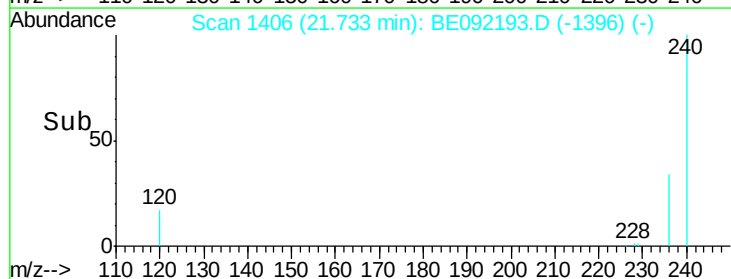
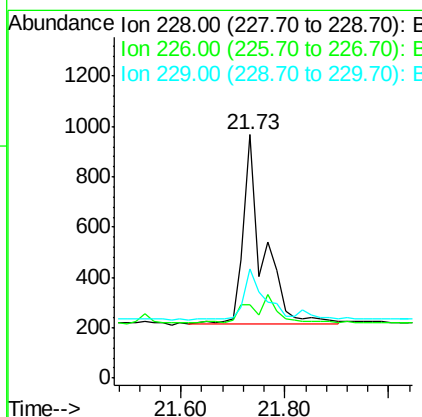
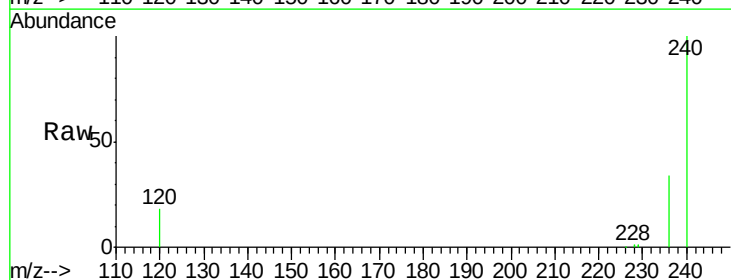
Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

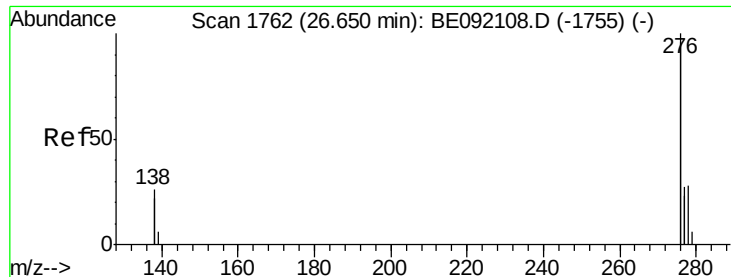
Tgt Ion:228 Resp: 1974
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 44.6 15.1 22.7#



#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion:228 Resp: 1978
Ion Ratio Lower Upper
228 100
226 30.0 22.3 33.5
229 44.6 16.9 25.3#

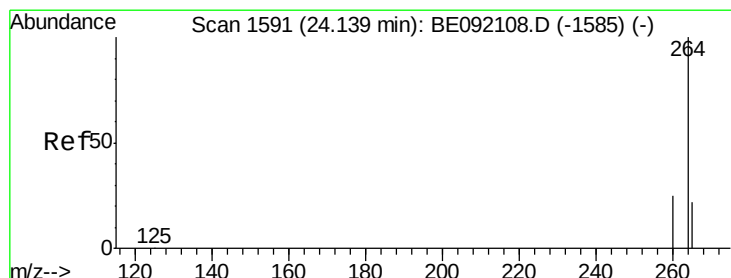
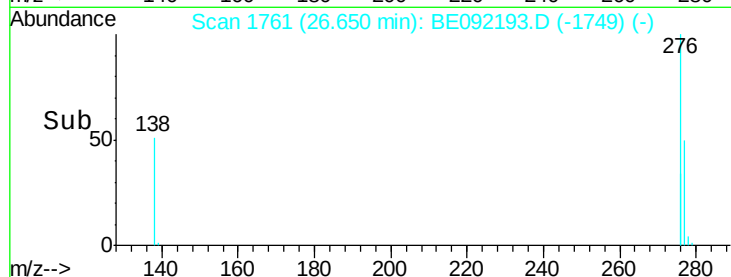
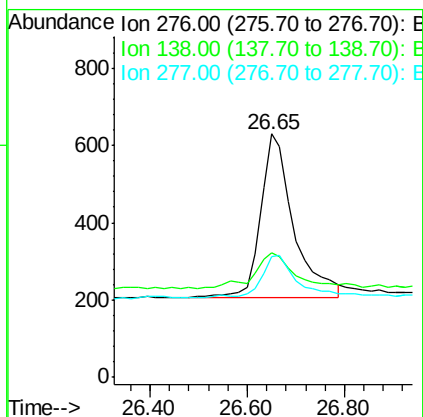
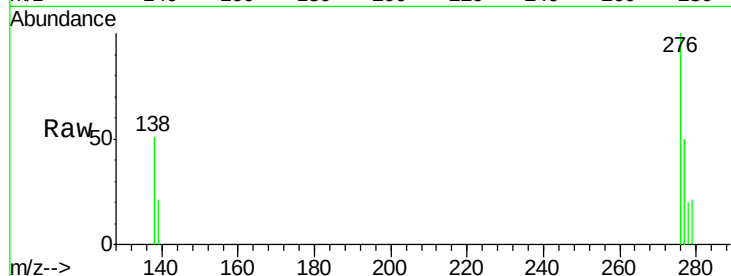




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng
 RT: 26.65 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BE092193.D
 Acq: 4 Aug 2016 21:47

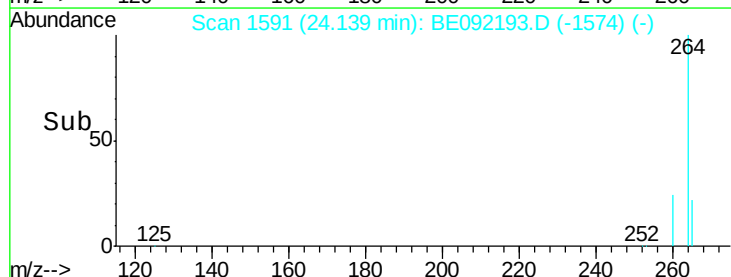
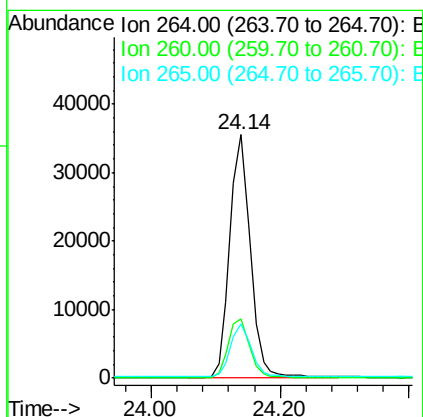
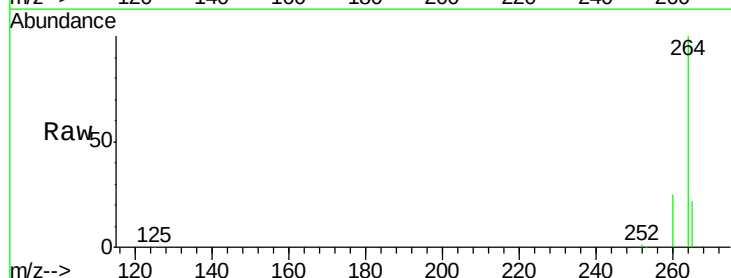
Instrument :
 BNA_E
 ClientSampleId :
 GW-52-11.1-15.0

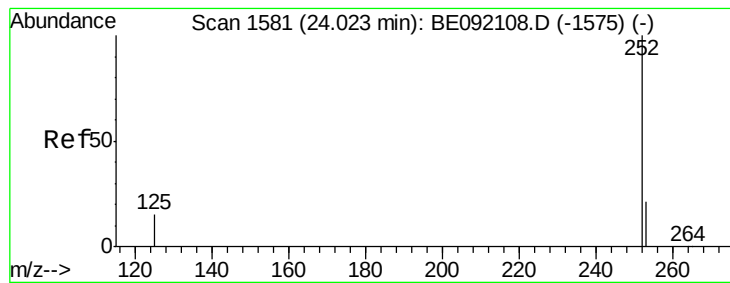
Tgt Ion: 276 Resp: 2018
 Ion Ratio Lower Upper
 276 100
 138 25.8 21.2 31.8
 277 27.6 19.8 29.8



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.14 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BE092193.D
 Acq: 4 Aug 2016 21:47

Tgt Ion: 264 Resp: 78653
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.8 31.2
 265 22.5 16.6 25.0

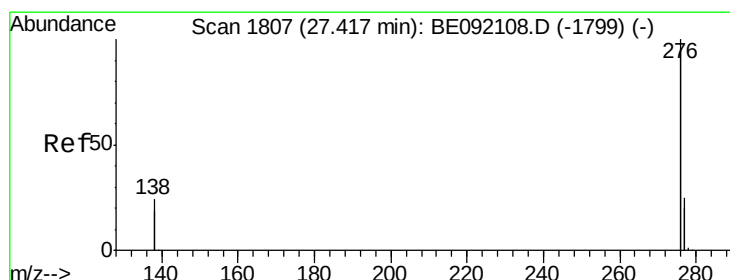
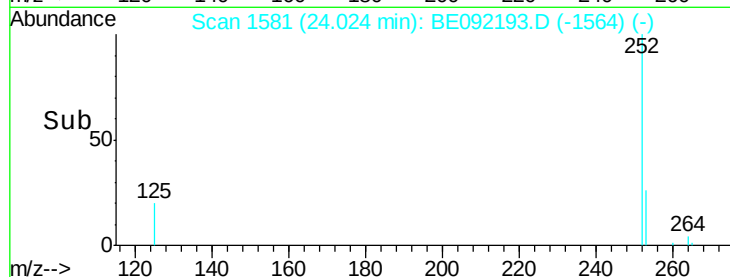
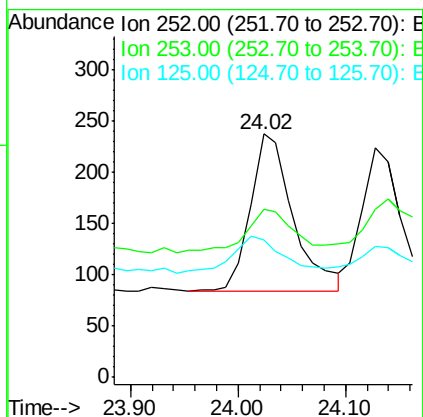
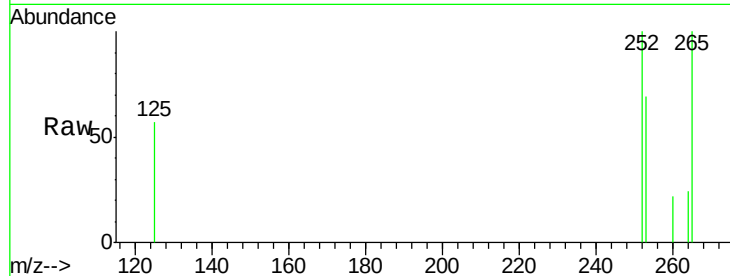




#31
Benzo(a)pyrene
Concen: 0.02 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Instrument :
BNA_E
ClientSampleId :
GW-52-11.1-15.0

Tgt Ion: 252 Resp: 425
Ion Ratio Lower Upper
252 100
253 69.2 19.8 29.8#
125 56.5 10.4 15.6#



#33
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 27.42 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BE092193.D
Acq: 4 Aug 2016 21:47

Tgt Ion: 276 Resp: 3026
Ion Ratio Lower Upper
276 100
277 43.5 19.5 29.3#
138 44.4 20.8 31.2#

