

Data Path : Z:\HPCHEM1\BNA_E\Data\BE080316\
 Data File : BE092172.D
 Acq On : 4 Aug 2016 8:07
 Operator : UM/SJ
 Sample : H4221-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-46-10.0-15.0

Quant Time: Aug 04 13:58:54 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	11683	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	57187	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	32793	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	74560	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	89198	5.00	ng	0.00
28) Perylene-d12	24.14	264	84030	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	6045	2.01	ng	0.00
5) Phenol-d6	7.35	99	6696	1.68	ng	0.00
7) Nitrobenzene-d5	9.34	82	8821	1.95	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	6807	6.39	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	26073	2.51	ng	0.00
24) Terphenyl-d14	20.19	244	52641	4.11	ng	-0.02

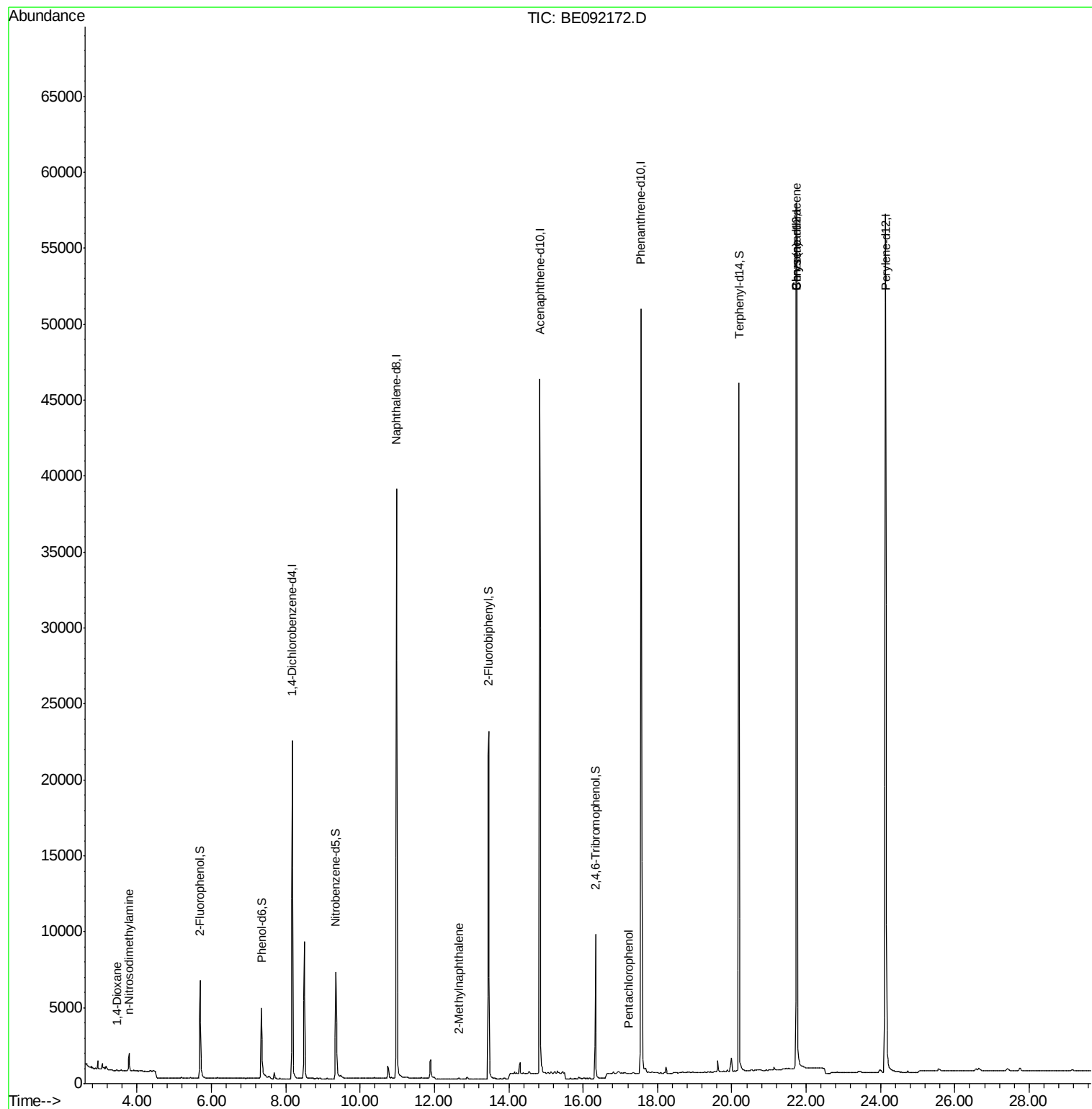
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	45	0.03	ng	# 27
3) n-Nitrosodimethylamine	3.77	42	114	0.14	ng	# 1
8) Naphthalene	11.03	128	77	Below Cal		# 1
9) 2-Methylnaphthalene	12.65	142	75	0.02	ng	# 60
18) Pentachlorophenol	17.24	266	6	0.20	ng	# 78
19) Phenanthrene	17.61	178	524	Below Cal		# 68
25) Benzo(a)anthracene	21.73	228	2298	0.02	ng	# 69
26) Chrysene	21.73	228	2298	0.02	ng	# 71
30) Benzo(k)fluoranthene	23.41	252	242	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: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

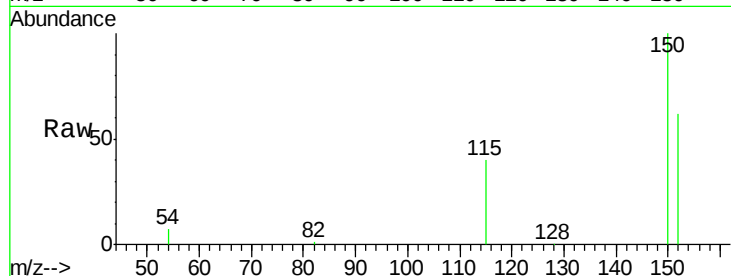
Tgt Ion:152 Resp: 11683

Ion Ratio Lower Upper

152 100

150 162.4 106.0 159.0#

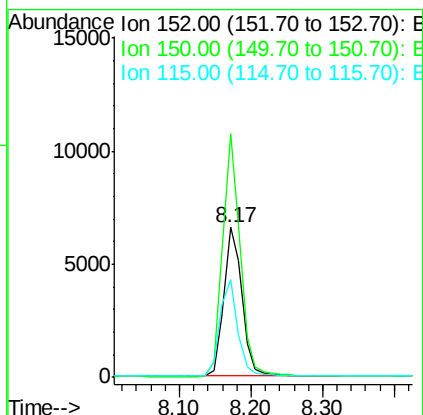
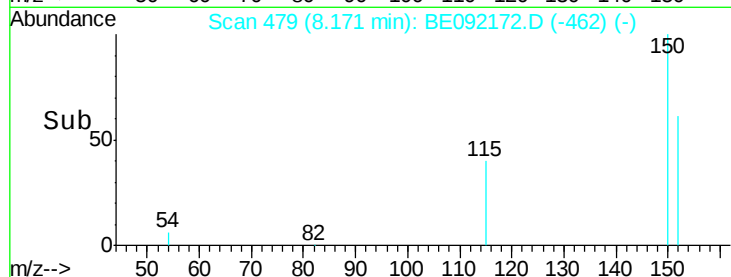
115 65.1 36.9 55.3#



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: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

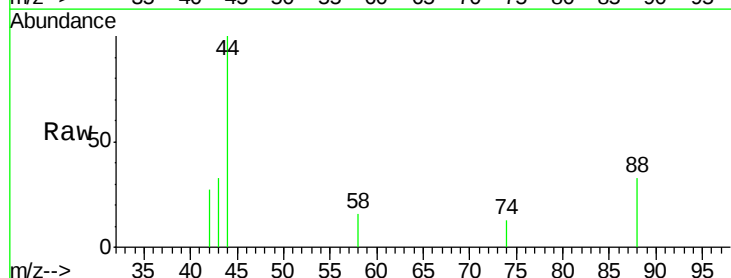
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

58 108.9 62.1 93.1#

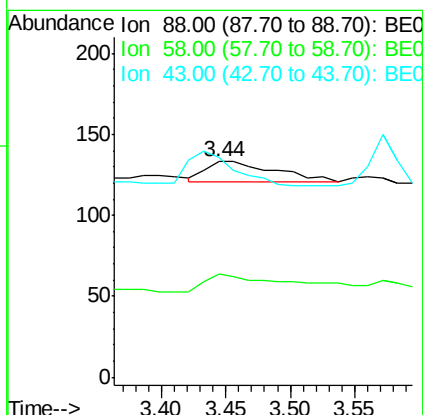
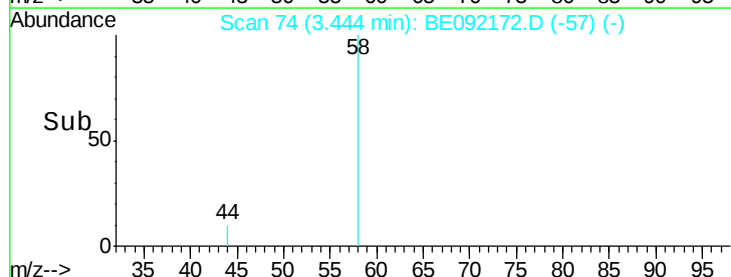
43 124.4 27.2 40.8#

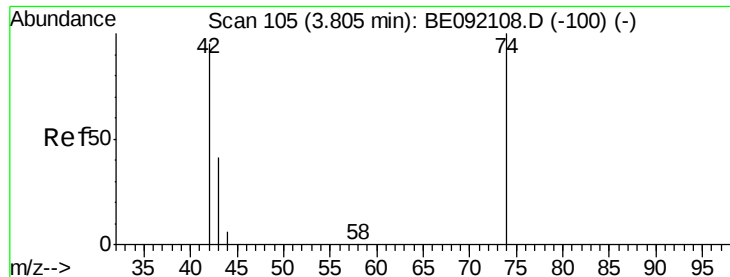


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

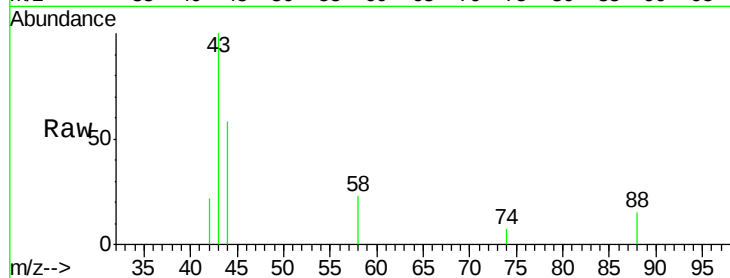
Tgt Ion: 42 Resp: 114

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

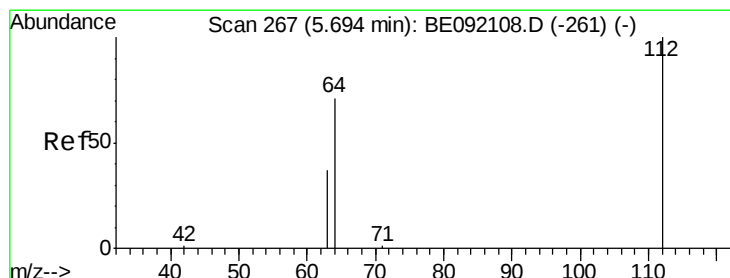
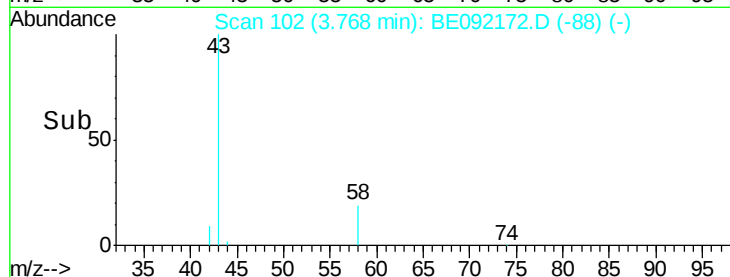
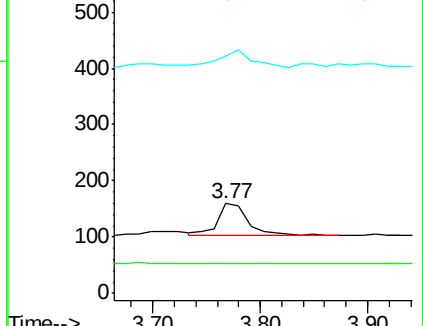
44 62.3 9.0 13.4#



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: 2.01 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

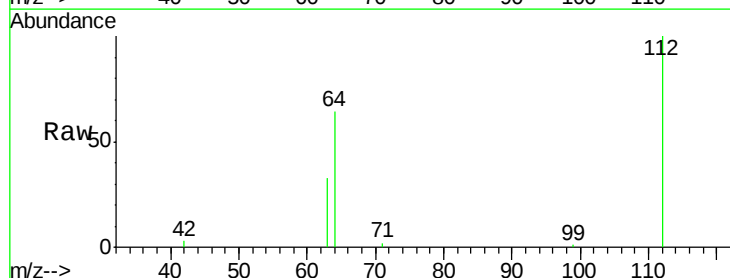
Tgt Ion: 112 Resp: 6045

Ion Ratio Lower Upper

112 100

64 66.8 55.9 83.9

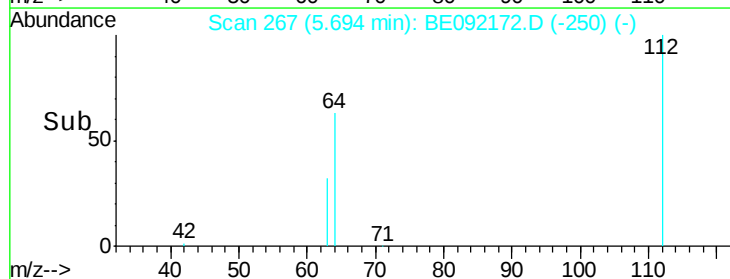
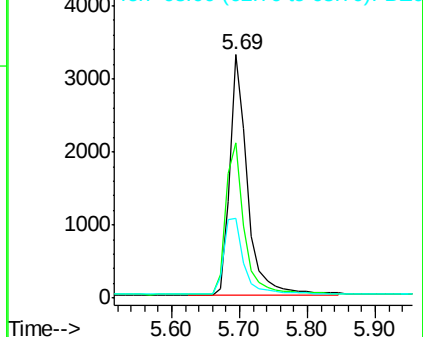
63 36.4 31.1 46.7



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: 1.68 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

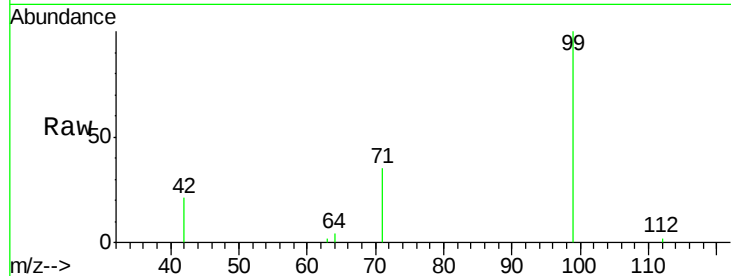
Tgt Ion: 99 Resp: 6696

Ion Ratio Lower Upper

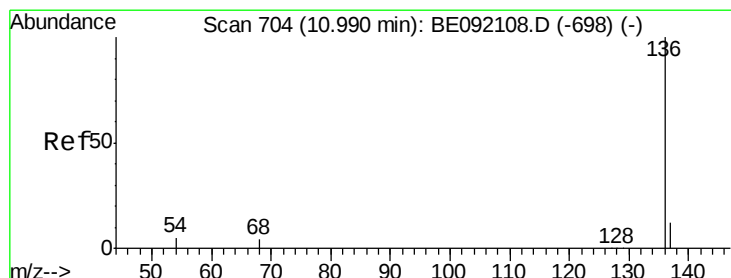
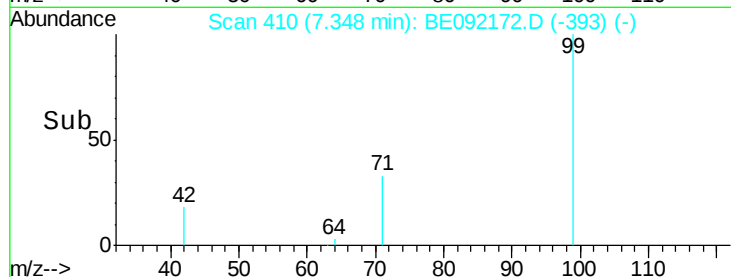
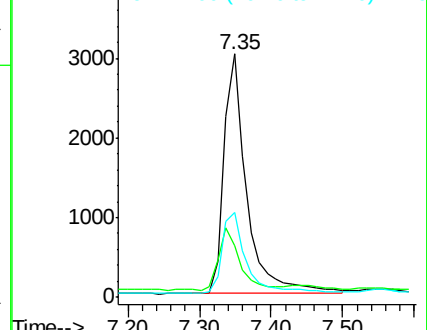
99 100

42 23.5 22.4 33.6

71 36.3 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: BE092172.D

Acq: 4 Aug 2016 8:07

Tgt Ion: 136 Resp: 57187

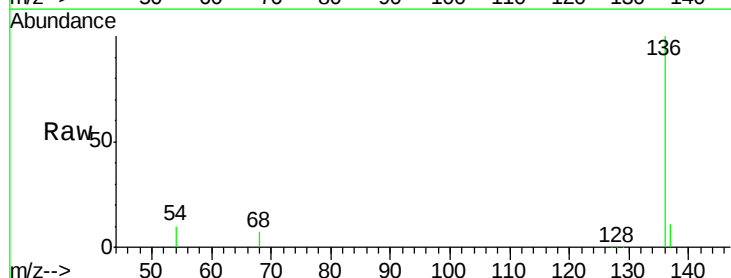
Ion Ratio Lower Upper

136 100

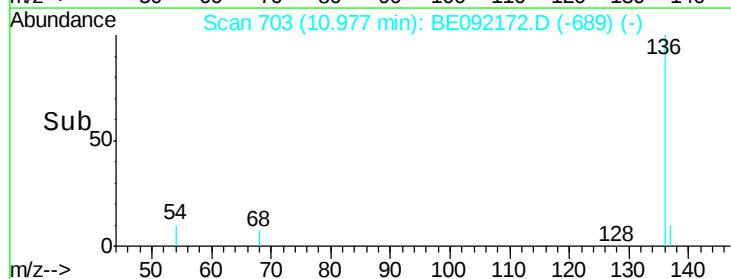
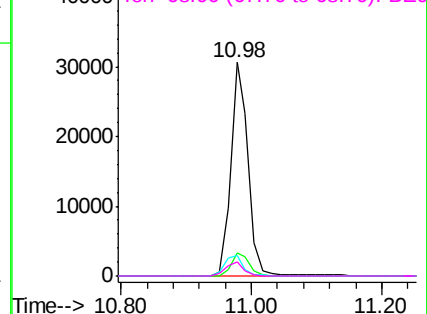
137 10.6 9.1 13.7

54 9.8 2.7 4.1#

68 6.9 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: 1.95 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

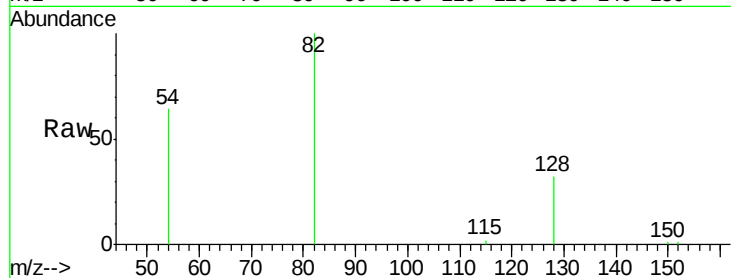
Tgt Ion: 82 Resp: 8821

Ion Ratio Lower Upper

82 100

128 31.5 33.0 49.4#

54 64.1 42.6 63.8#

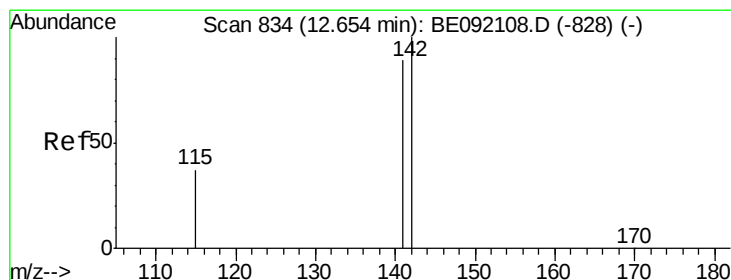
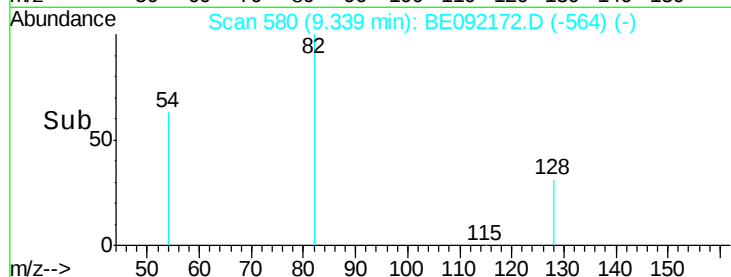


Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-576) (-)

Time-->



#9

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

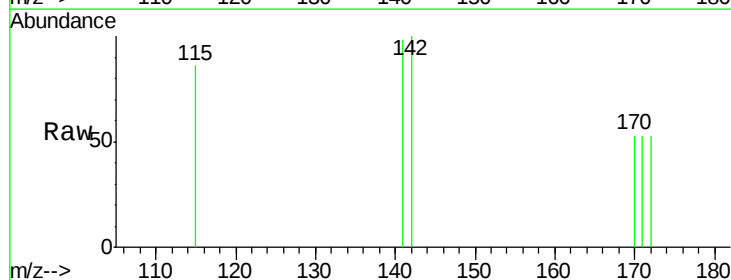
Tgt Ion: 142 Resp: 75

Ion Ratio Lower Upper

142 100

141 97.6 65.1 97.7

115 85.9 27.0 40.4#

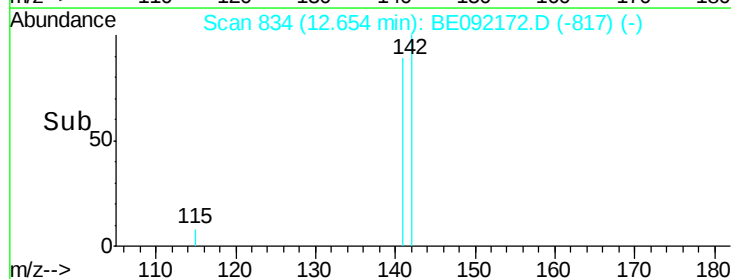


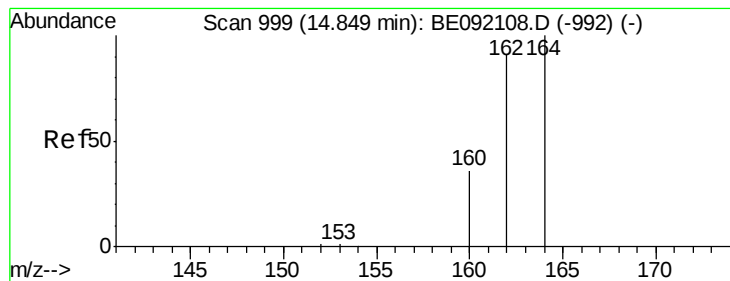
Abundance Ion 142.00 (141.70 to 142.70): BE092108.D (-828) (-)

Ion 141.00 (140.70 to 141.70): BE092108.D (-828) (-)

Ion 115.00 (114.70 to 115.70): BE092108.D (-828) (-)

Time-->





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

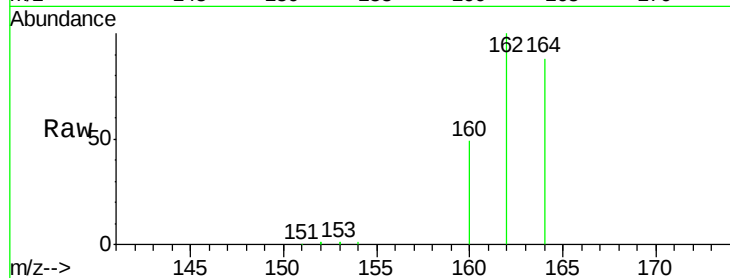
Tgt Ion:164 Resp: 32793

Ion Ratio Lower Upper

164 100

162 113.7 69.5 104.3#

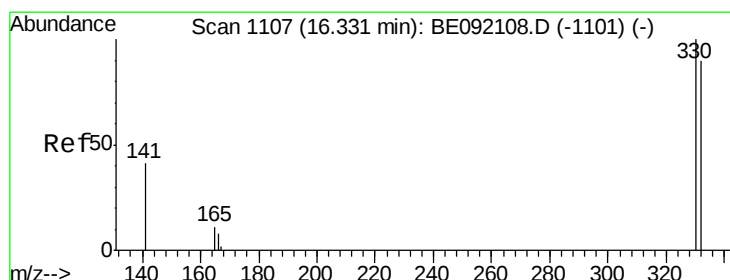
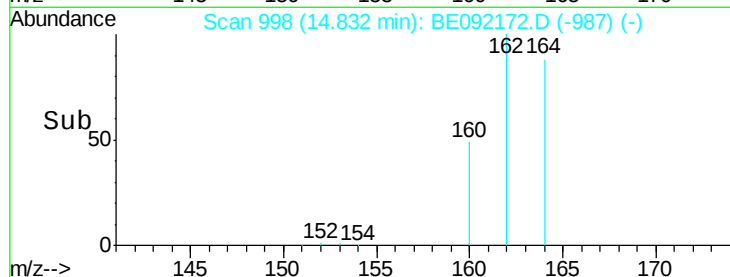
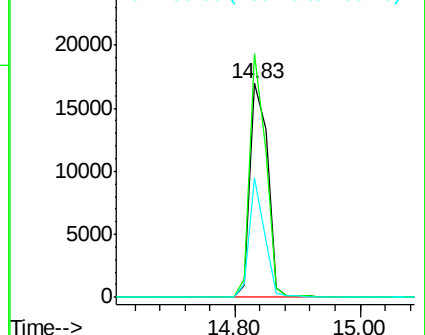
160 55.5 27.6 41.4#



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: 6.39 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

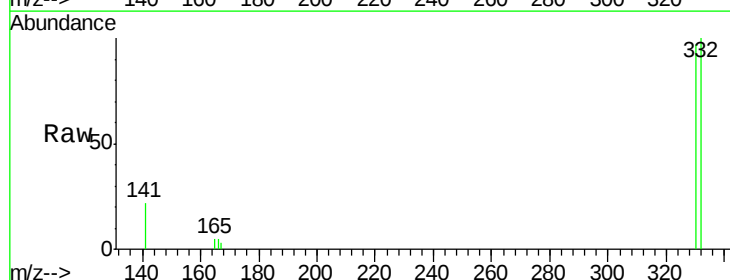
Tgt Ion:330 Resp: 6807

Ion Ratio Lower Upper

330 100

332 96.8 74.2 111.4

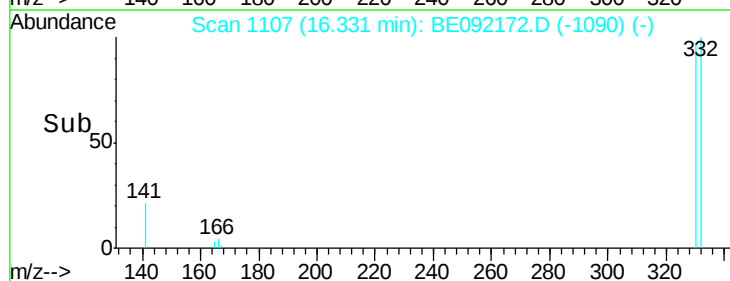
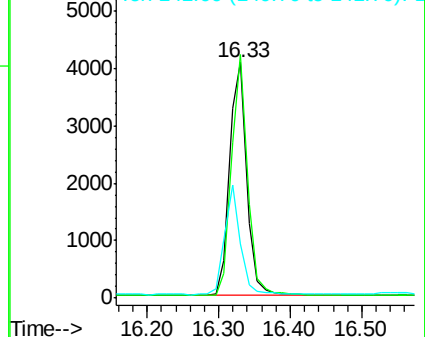
141 43.4 139.8 209.8#

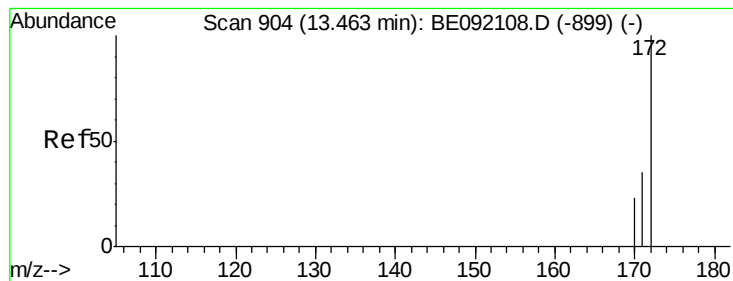


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 2.51 ng

RT: 13.46 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

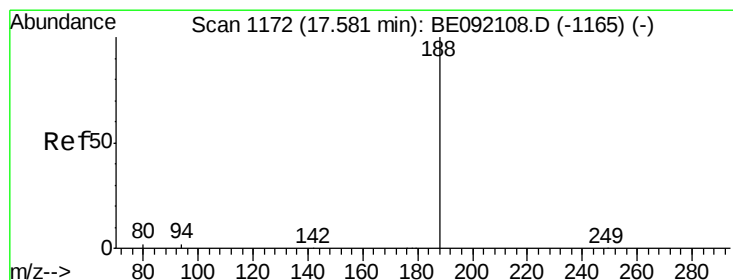
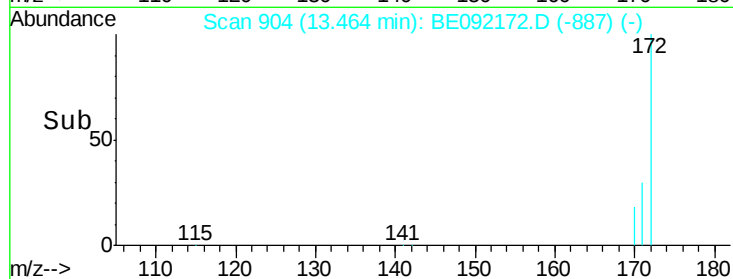
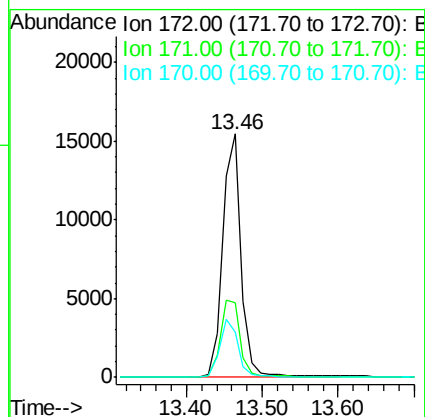
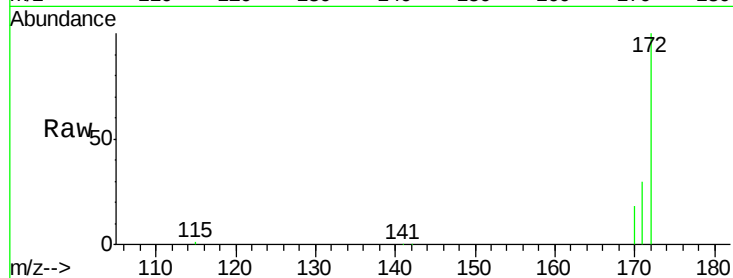
Tgt Ion:172 Resp: 26073

Ion Ratio Lower Upper

172 100

171 30.4 30.3 45.5

170 18.4 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: BE092172.D

Acq: 4 Aug 2016 8:07

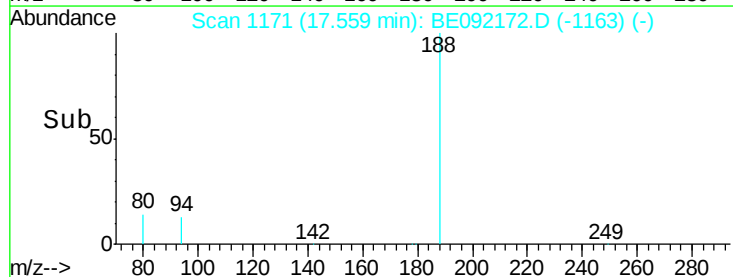
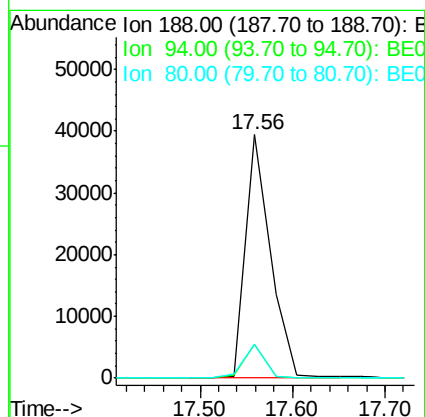
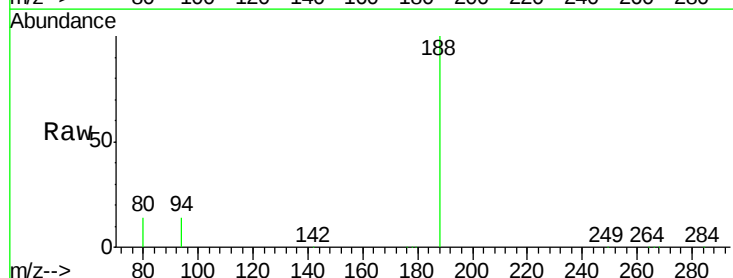
Tgt Ion:188 Resp: 74560

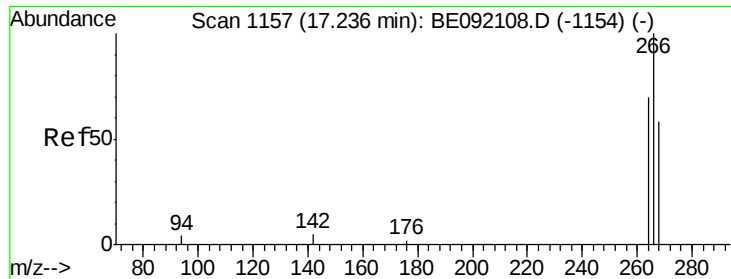
Ion Ratio Lower Upper

188 100

94 13.7 3.9 5.9#

80 14.0 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092172.D

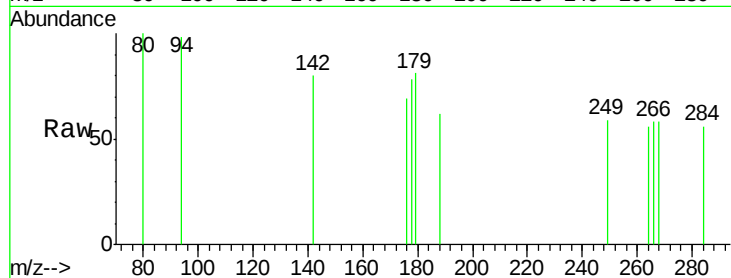
Acq: 4 Aug 2016 8:07

Instrument :

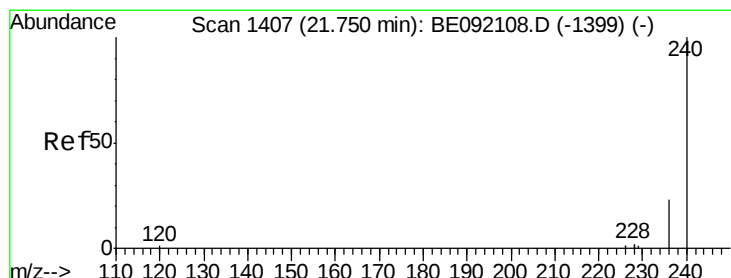
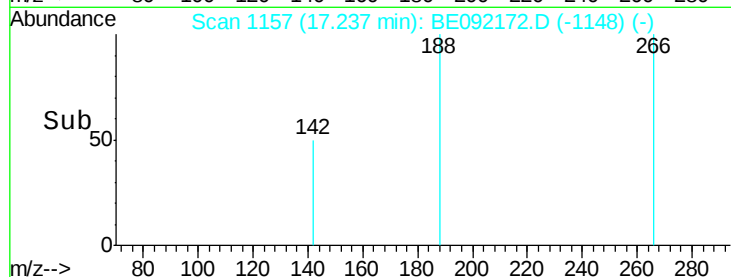
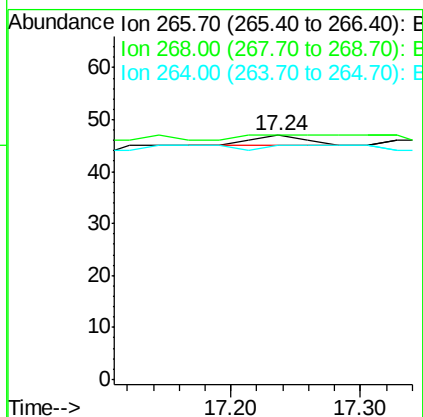
BNA_E

ClientSampleId :

GW-46-10.0-15.0



Tgt Ion:	266	Resp:	6
Ion	Ratio	Lower	Upper
266	100		
268	100.0	62.7	94.1#
264	95.7	63.5	95.3#



#22

Chrysene-d12

Concen: 5.00 ng

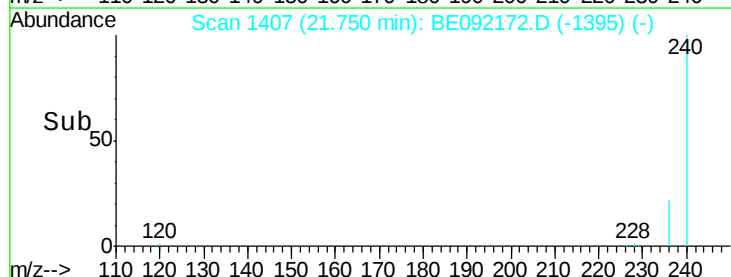
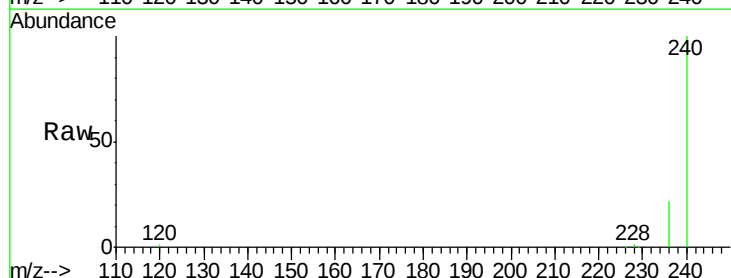
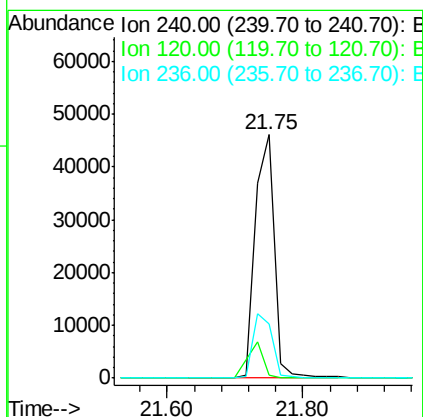
RT: 21.75 min Scan# 1407

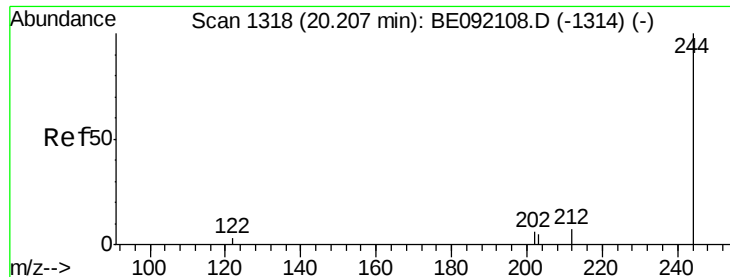
Delta R.T. 0.00 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Tgt Ion:	240	Resp:	89198
Ion	Ratio	Lower	Upper
240	100		
120	1.2	0.6	1.0#
236	22.0	18.2	27.4





#24

Terphenyl-d14

Concen: 4.11 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

Instrument :

BNA_E

ClientSampleId :

GW-46-10.0-15.0

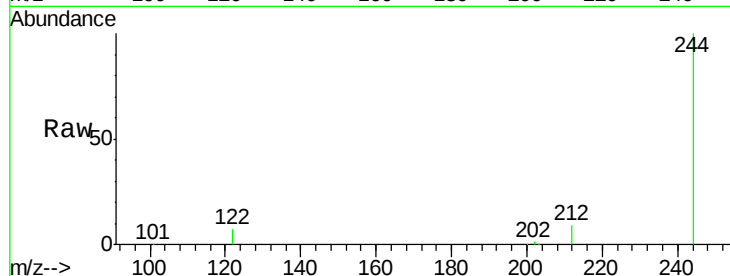
Tgt Ion:244 Resp: 52641

Ion Ratio Lower Upper

244 100

212 8.8 9.1 13.7#

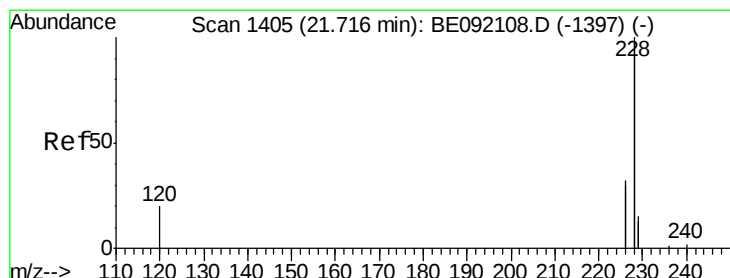
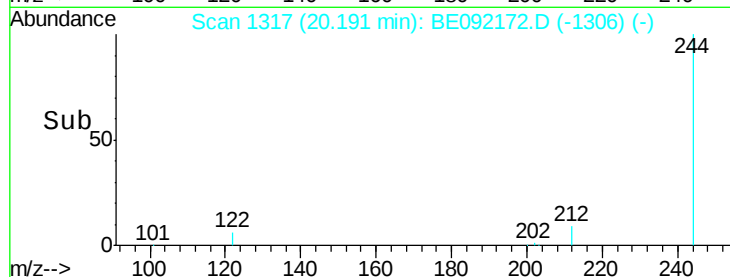
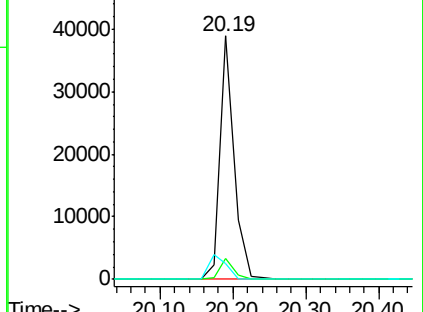
122 6.5 11.0 16.4#



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



#25

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.73 min Scan# 1406

Delta R.T. 0.02 min

Lab File: BE092172.D

Acq: 4 Aug 2016 8:07

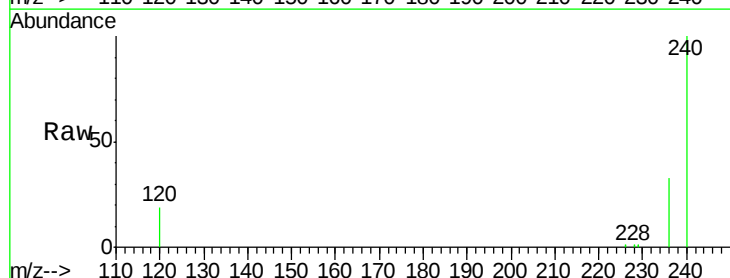
Tgt Ion:228 Resp: 2298

Ion Ratio Lower Upper

228 100

226 34.7 22.1 33.1#

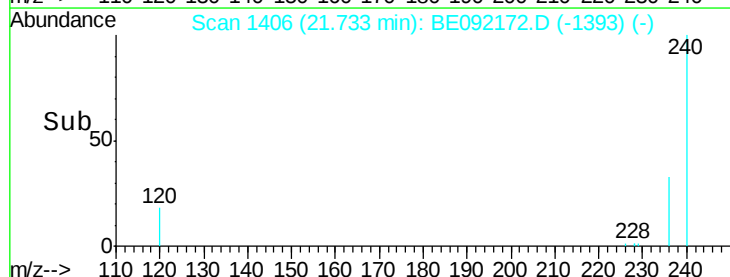
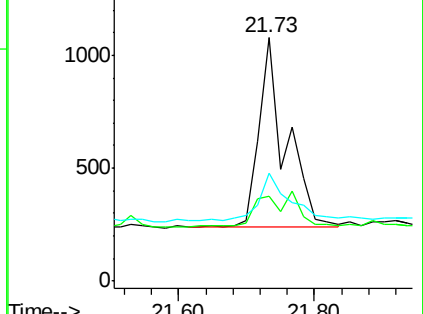
229 44.5 15.1 22.7#

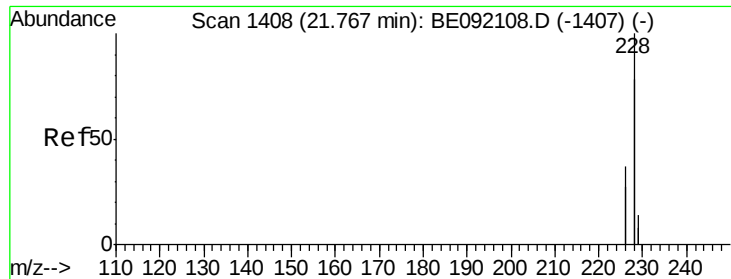


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

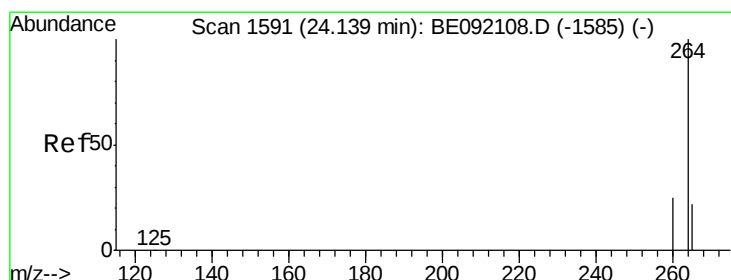
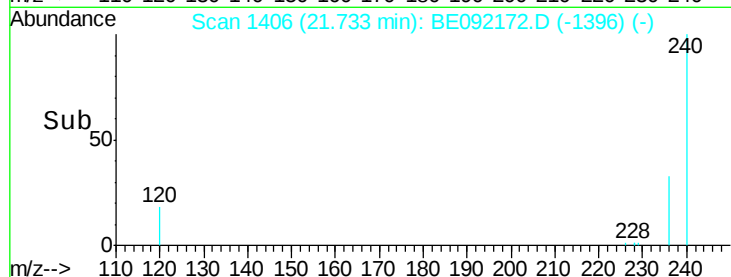
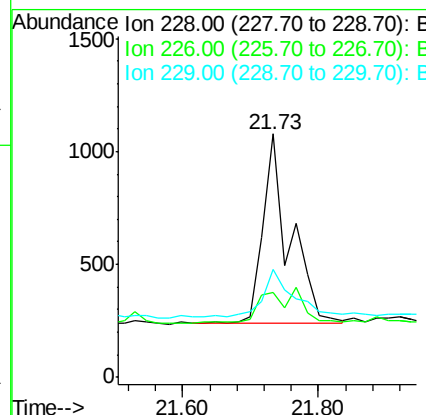
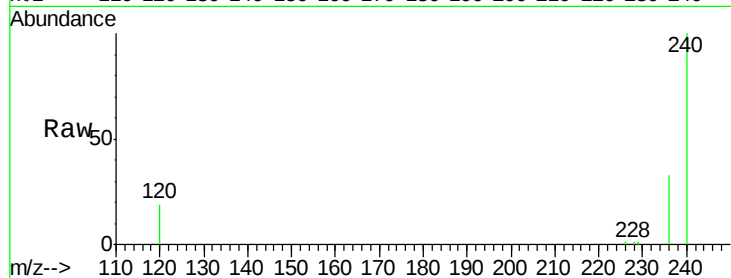




#26
Chrysene
Concen: 0.02 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092172.D
Acq: 4 Aug 2016 8:07

Instrument :
BNA_E
ClientSampleId :
GW-46-10.0-15.0

Tgt Ion: 228 Resp: 2298
Ion Ratio Lower Upper
228 100
226 34.7 22.3 33.5#
229 44.5 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: BE092172.D
Acq: 4 Aug 2016 8:07

Tgt Ion: 264 Resp: 84030
Ion Ratio Lower Upper
264 100
260 24.3 20.8 31.2
265 22.8 16.6 25.0

