

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080216\
 Data File : BE092136.D
 Acq On : 3 Aug 2016 6:51
 Operator : UM/SJ
 Sample : H4205-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-40-5.0-15.0

Quant Time: Aug 03 07:52:26 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	11122	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	49161	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26121	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	54375	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	65663	5.00	ng	0.00
28) Perylene-d12	24.14	264	70585	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	29087	10.18	ng	0.00
5) Phenol-d6	7.34	99	25661	6.74	ng	-0.01
7) Nitrobenzene-d5	9.34	82	31993	8.25	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	16481	19.43	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	67235	8.12	ng	0.00
24) Terphenyl-d14	20.19	244	86548	9.18	ng	-0.02

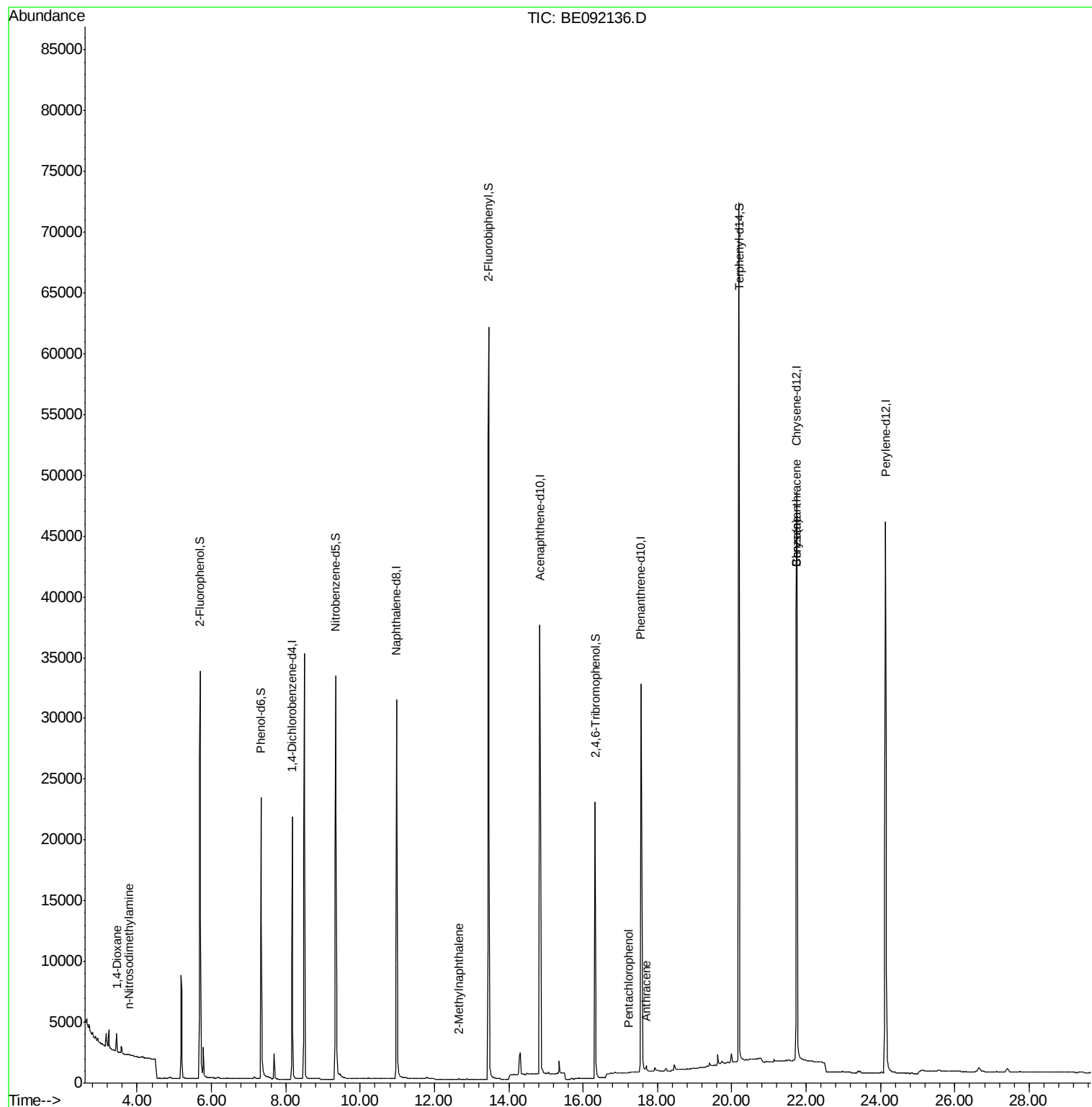
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	1023	0.68	ng	# 71
3) n-Nitrosodimethylamine	3.77	42	51	0.11	ng	# 6
9) 2-Methylnaphthalene	12.65	142	78	0.02	ng	# 55
18) Pentachlorophenol	17.24	266	18	0.21	ng	# 77
19) Phenanthrene	17.60	178	441	Below Cal		# 63
20) Anthracene	17.70	178	717	0.05	ng	96
25) Benzo(a)anthracene	21.73	228	2339	0.03	ng	# 41
26) Chrysene	21.73	228	2310	0.03	ng	# 44
30) Benzo(k)fluoranthene	23.45	252	198	Below Cal		# 1

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

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QLast Update : Tue Aug 02 16:59:37 2016
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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: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

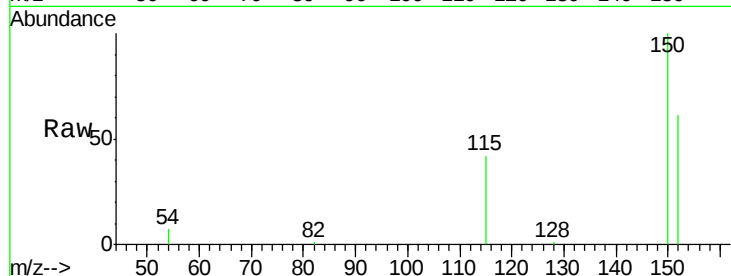
Tgt Ion:152 Resp: 11122

Ion Ratio Lower Upper

152 100

150 165.1 106.0 159.0#

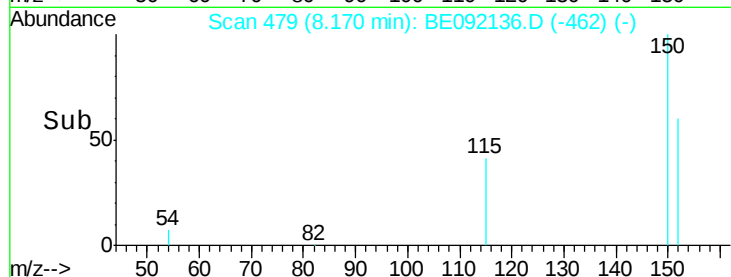
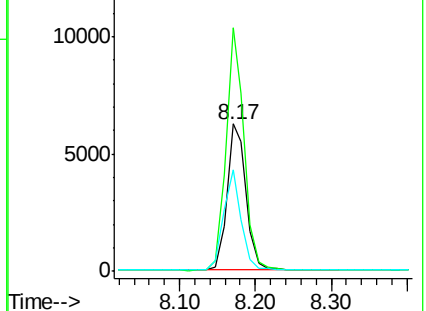
115 69.1 36.9 55.3#



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: 0.68 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

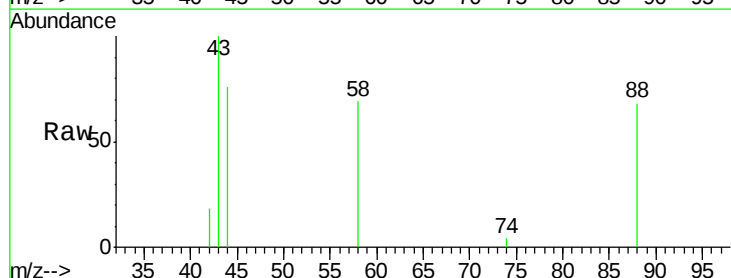
Tgt Ion: 88 Resp: 1023

Ion Ratio Lower Upper

88 100

58 89.1 62.1 93.1

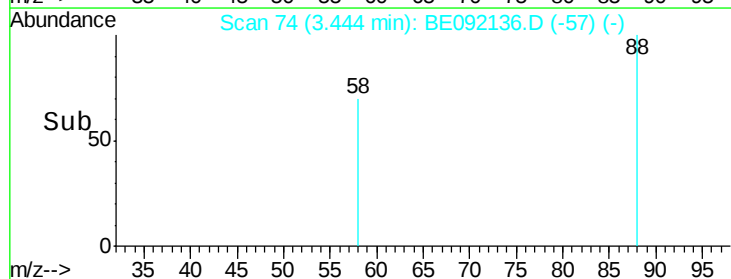
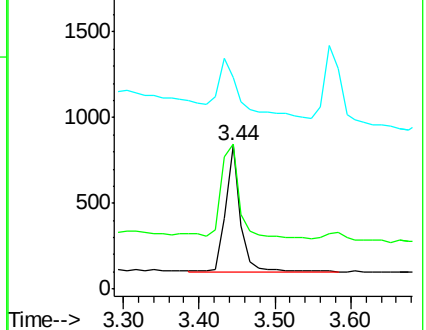
43 71.2 27.2 40.8#

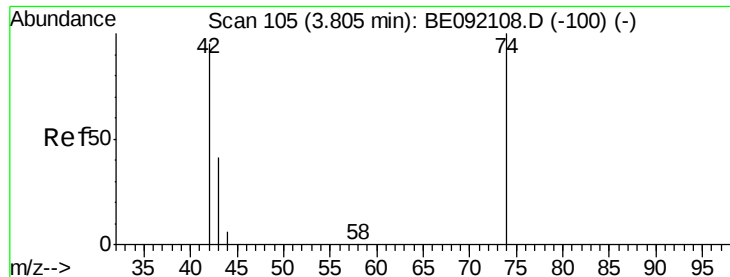


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

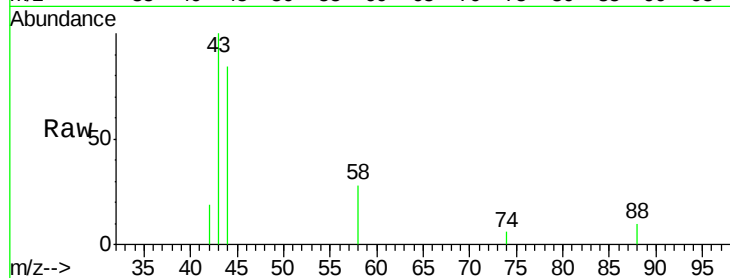
Tgt Ion: 42 Resp: 51

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

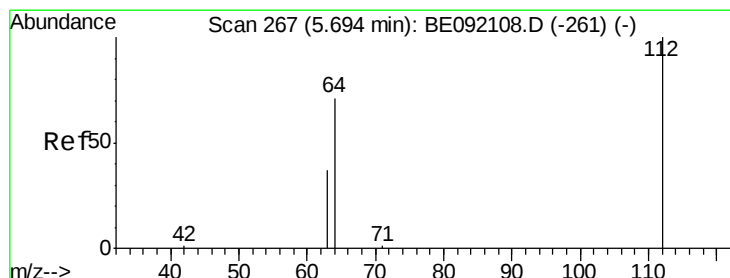
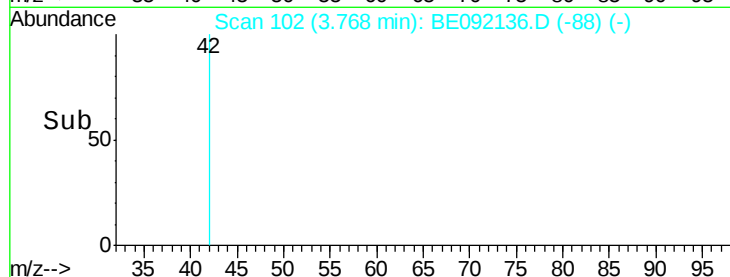
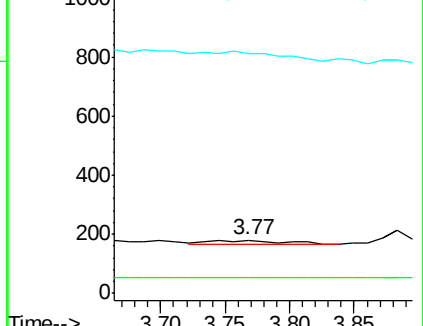
44 0.0 9.0 13.4#



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: 10.18 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

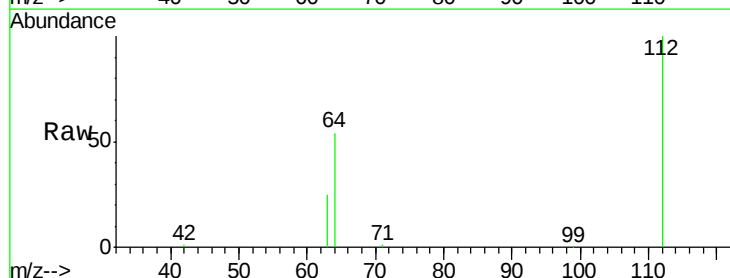
Tgt Ion: 112 Resp: 29087

Ion Ratio Lower Upper

112 100

64 66.8 55.9 83.9

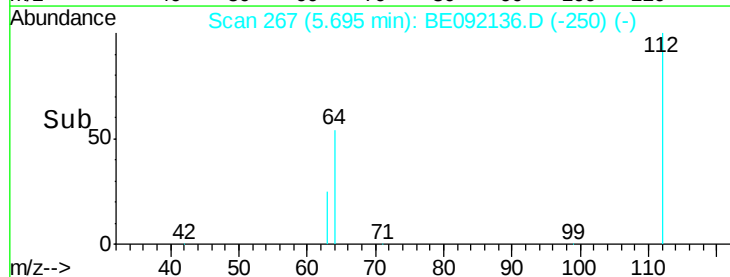
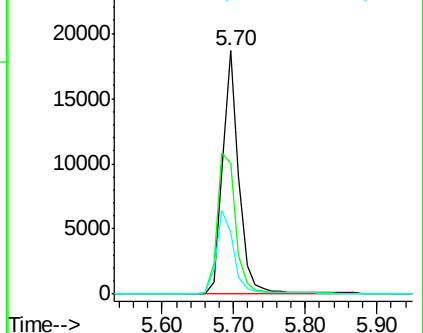
63 36.2 31.1 46.7



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: 6.74 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

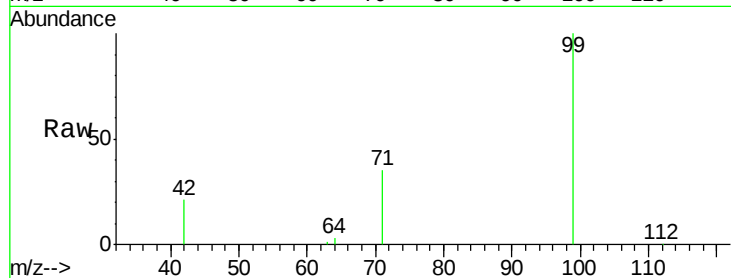
Tgt Ion: 99 Resp: 25661

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

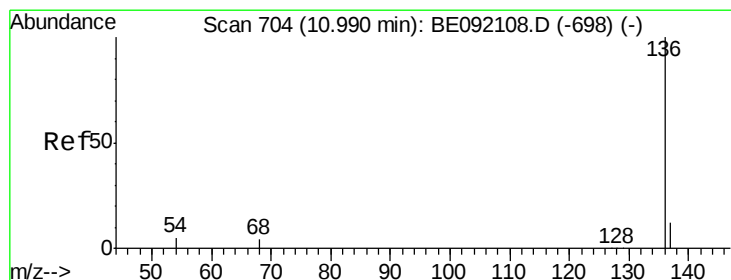
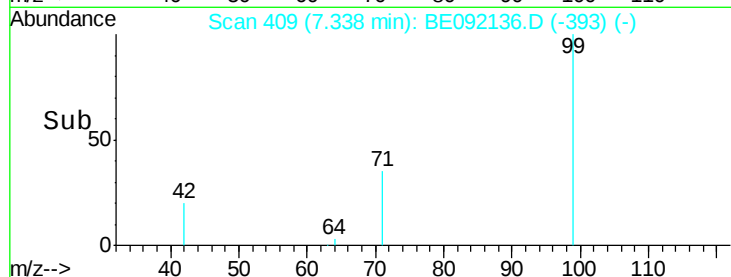
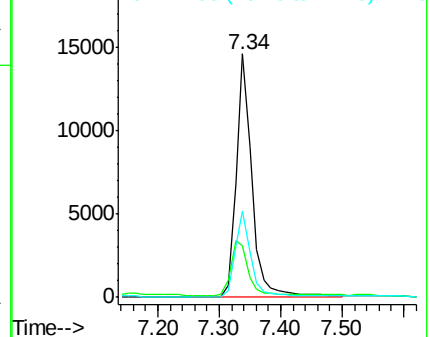
71 35.2 28.9 43.3



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: BE092136.D

Acq: 3 Aug 2016 6:51

Tgt Ion: 136 Resp: 49161

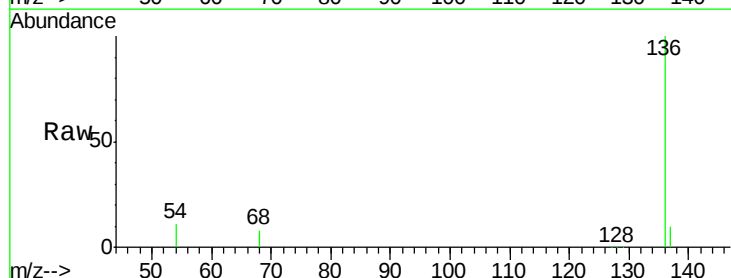
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 10.8 2.7 4.1#

68 7.6 2.2 3.4#

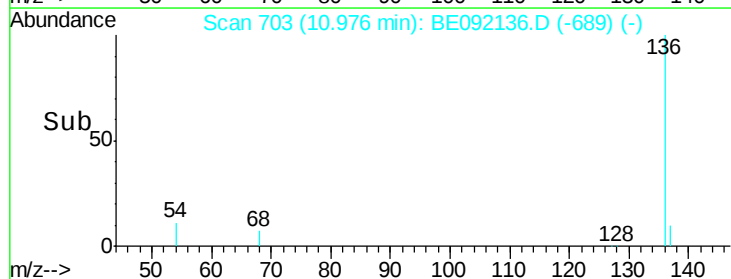
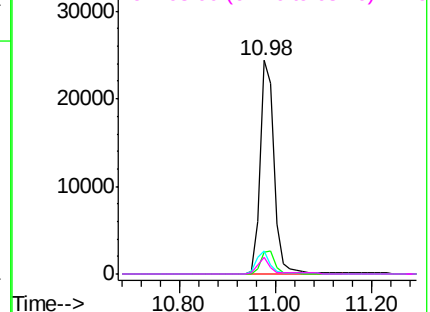


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.25 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

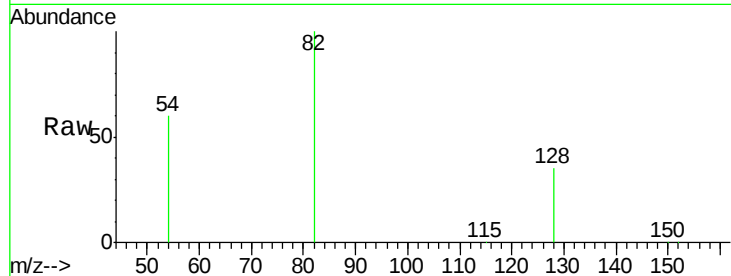
Tgt Ion: 82 Resp: 31993

Ion Ratio Lower Upper

82 100

128 35.1 33.0 49.4

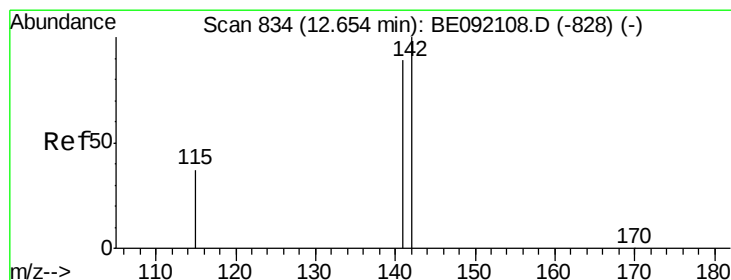
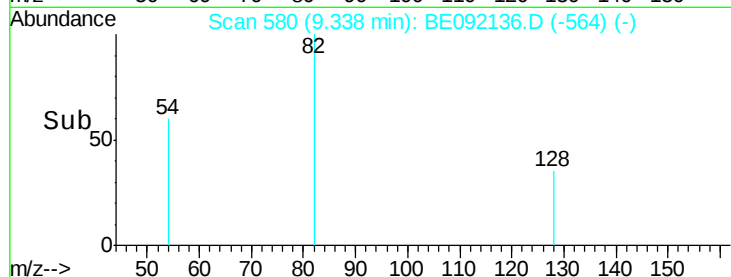
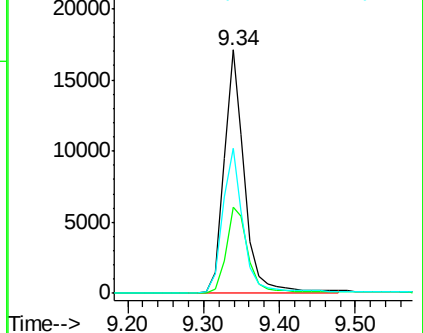
54 59.7 42.6 63.8



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) (-)



#9

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

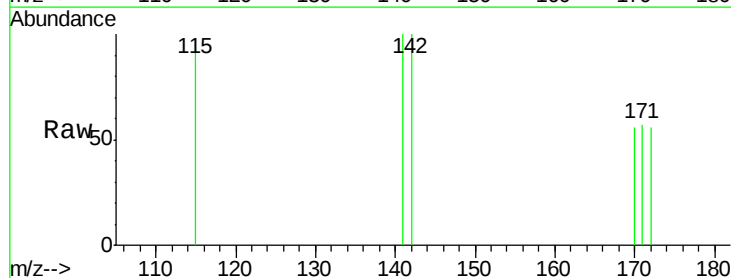
Tgt Ion: 142 Resp: 78

Ion Ratio Lower Upper

142 100

141 100.0 65.1 97.7#

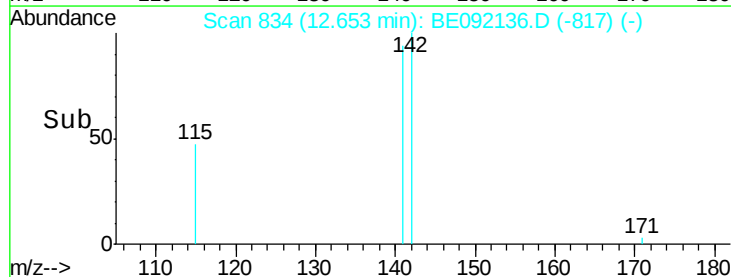
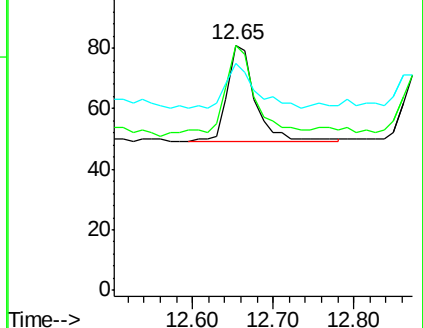
115 92.6 27.0 40.4#

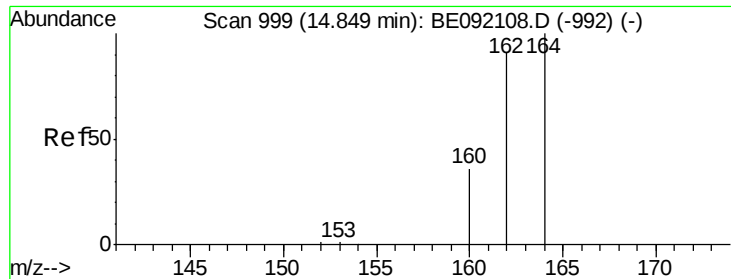


Abundance Ion 142.00 (141.70 to 142.70): BE092108.D (-828) (-)

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

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





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

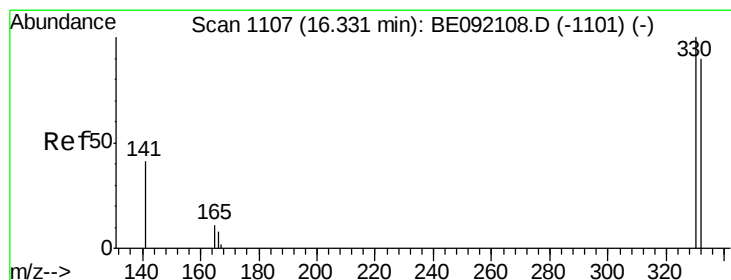
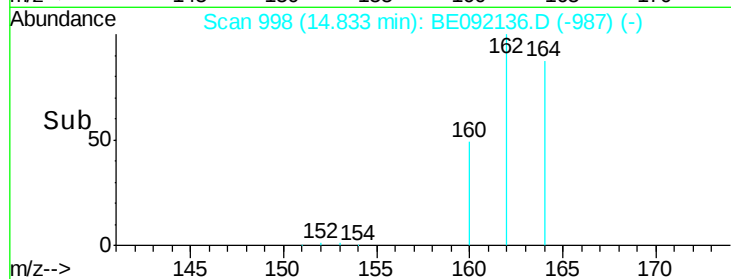
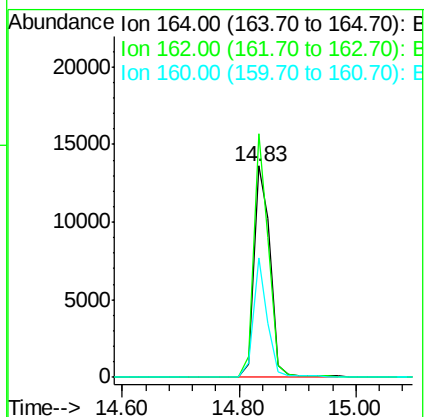
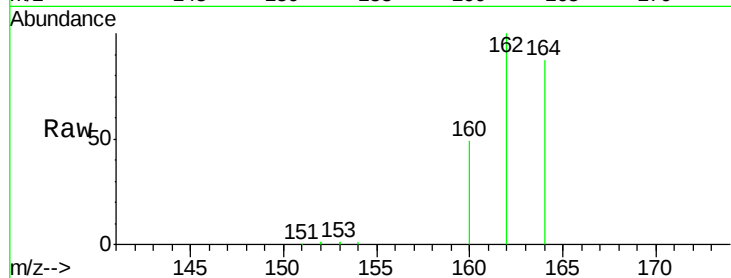
Tgt Ion:164 Resp: 26121

Ion Ratio Lower Upper

164 100

162 115.2 69.5 104.3#

160 56.8 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 19.43 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

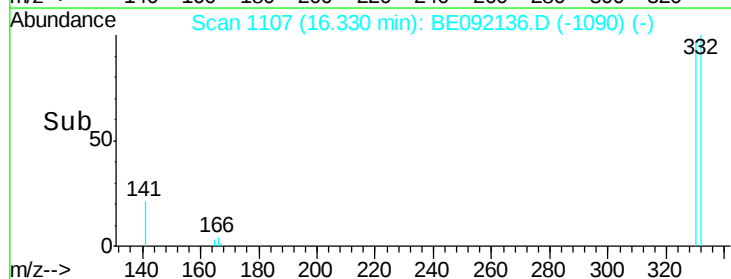
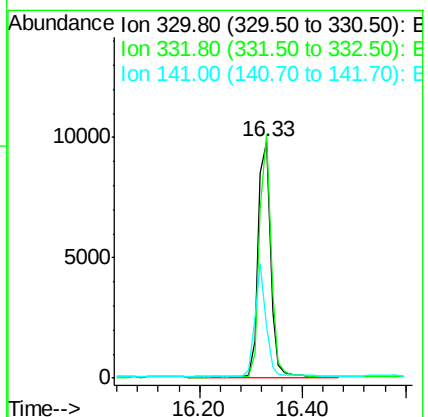
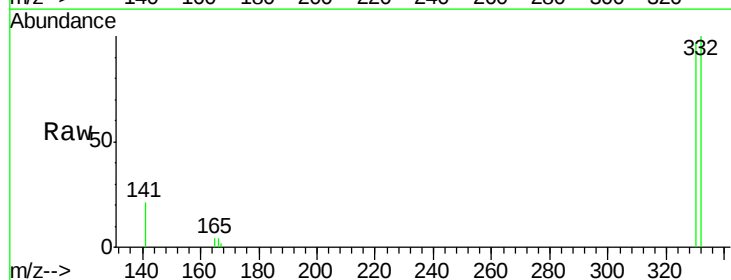
Tgt Ion:330 Resp: 16481

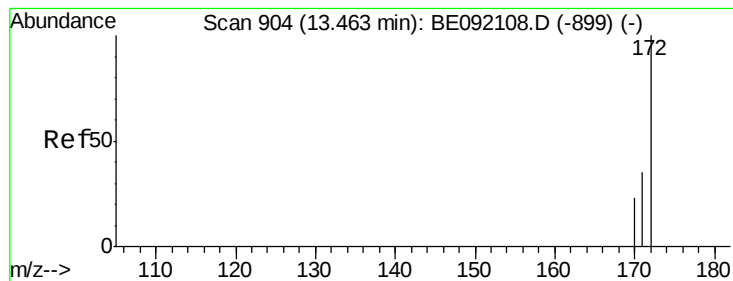
Ion Ratio Lower Upper

330 100

332 96.2 74.2 111.4

141 43.3 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 8.12 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

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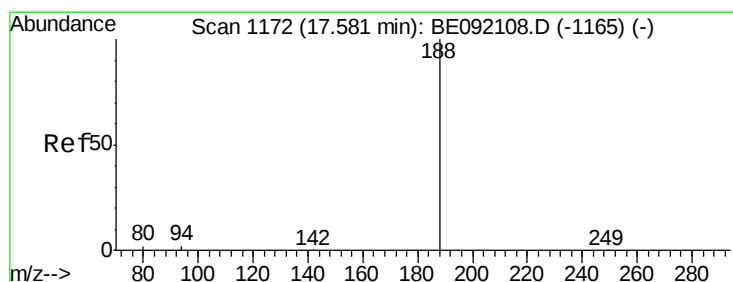
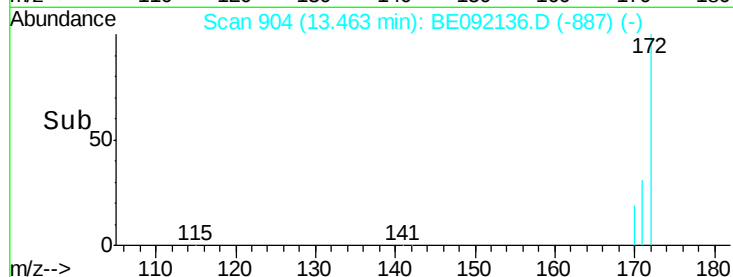
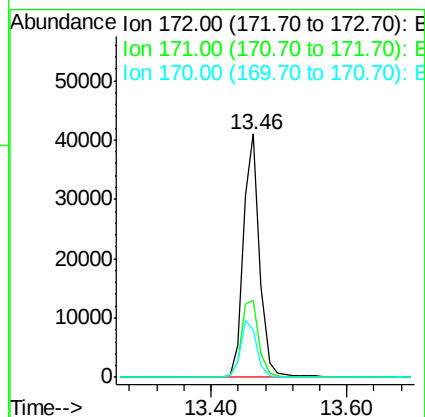
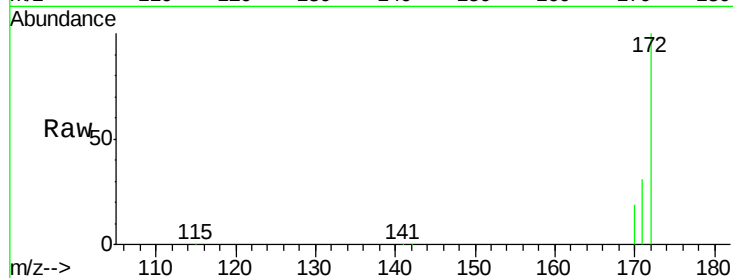
Tgt Ion:172 Resp: 67235

Ion Ratio Lower Upper

172 100

171 31.5 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: BE092136.D

Acq: 3 Aug 2016 6:51

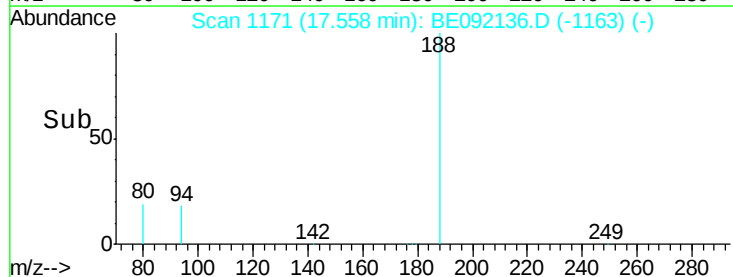
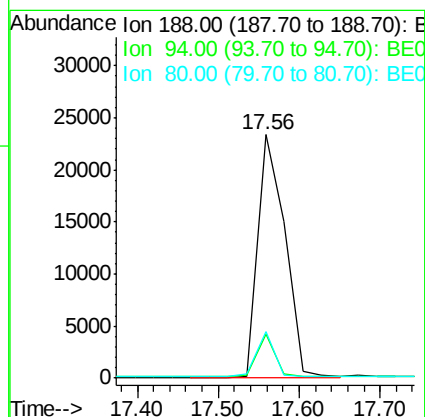
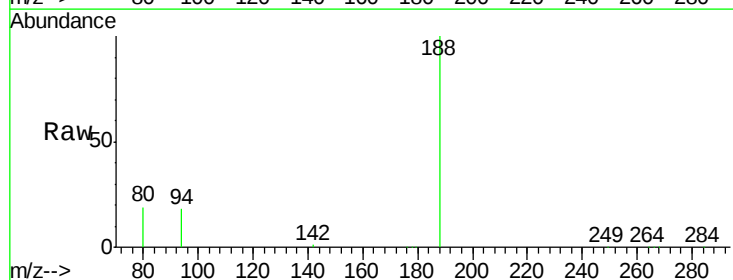
Tgt Ion:188 Resp: 54375

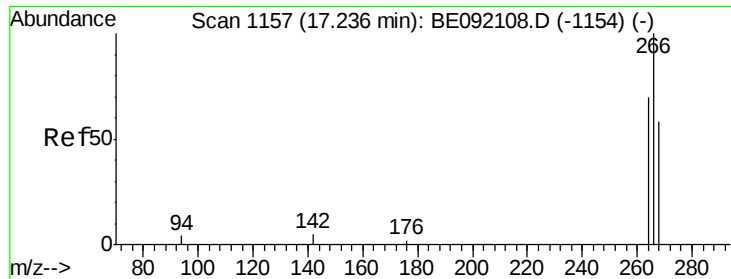
Ion Ratio Lower Upper

188 100

94 18.1 3.9 5.9#

80 19.3 3.4 5.0#

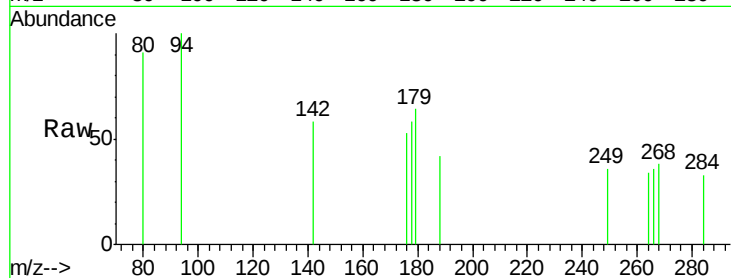




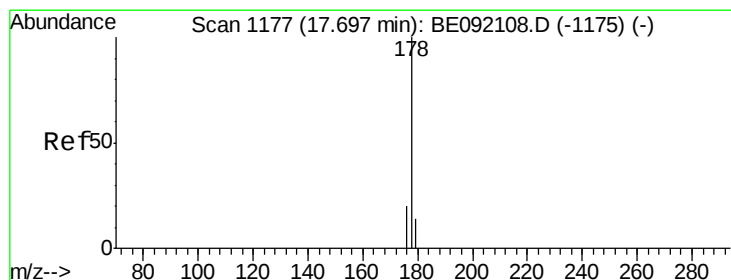
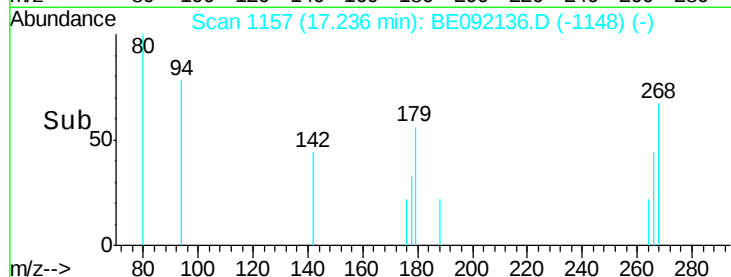
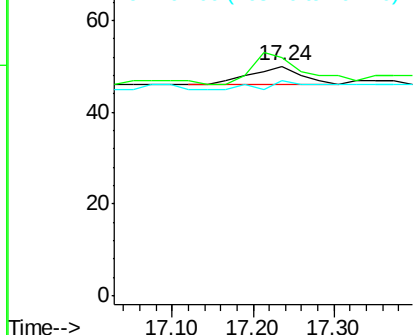
#18
 Pentachlorophenol
 Concen: 0.21 ng
 RT: 17.24 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BE092136.D
 Acq: 3 Aug 2016 6:51

Instrument :
 BNA_E
 ClientSampleId :
 GW-40-5.0-15.0

Tgt Ion: 266 Resp: 18
 Ion Ratio Lower Upper
 266 100
 268 104.0 62.7 94.1#
 264 94.0 63.5 95.3

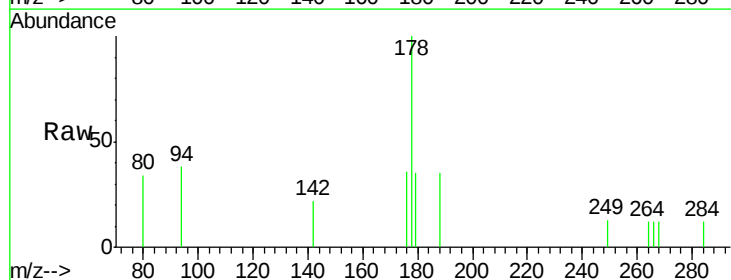


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

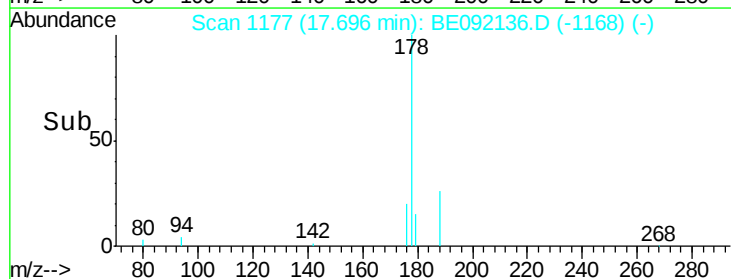
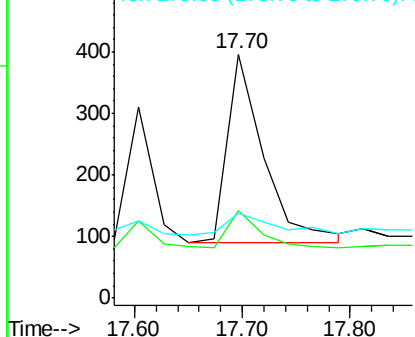


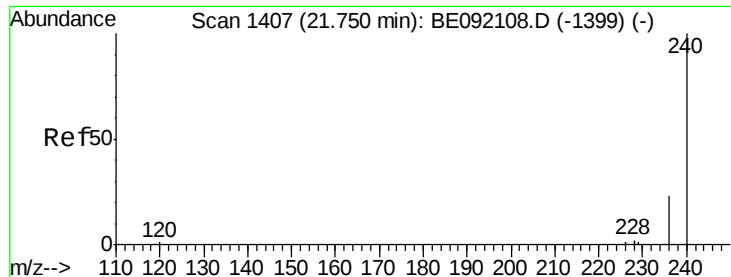
#20
 Anthracene
 Concen: 0.05 ng
 RT: 17.70 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BE092136.D
 Acq: 3 Aug 2016 6:51

Tgt Ion: 178 Resp: 717
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.2 22.8
 179 17.3 12.2 18.4



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

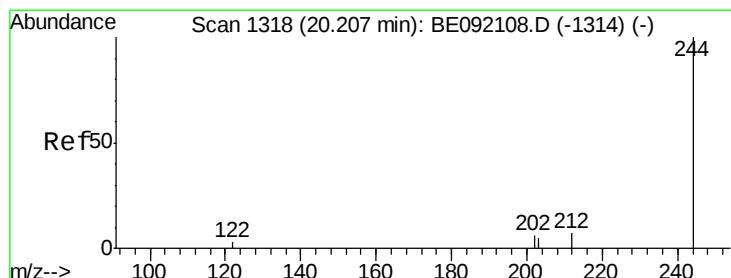
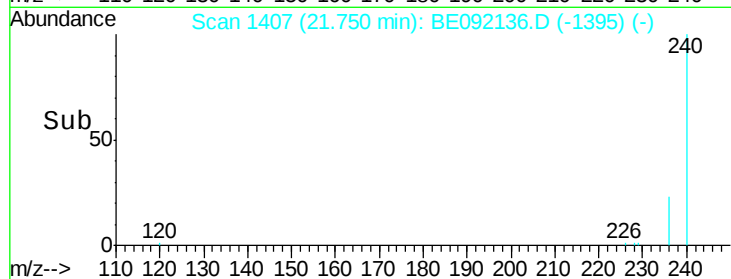
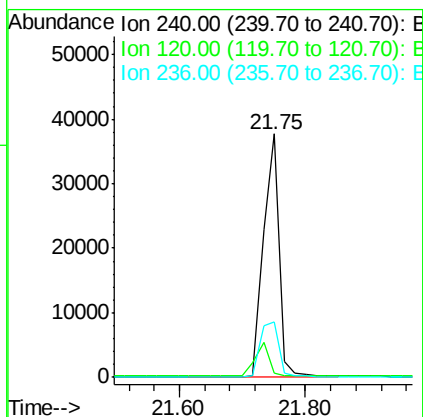
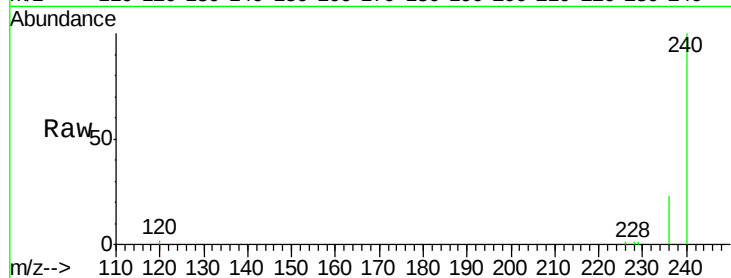




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

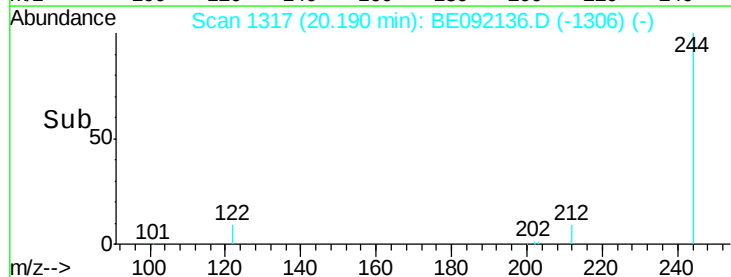
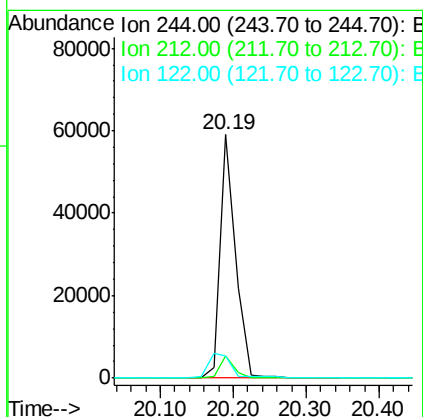
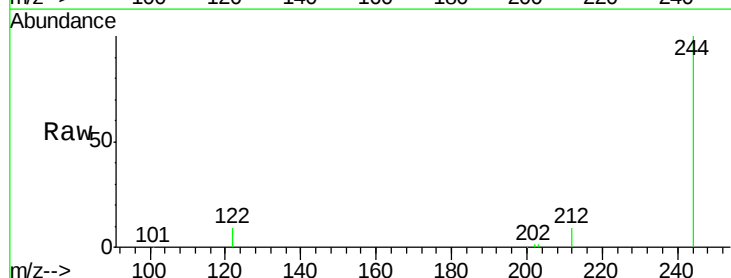
Instrument :
BNA_E
ClientSampleId :
GW-40-5.0-15.0

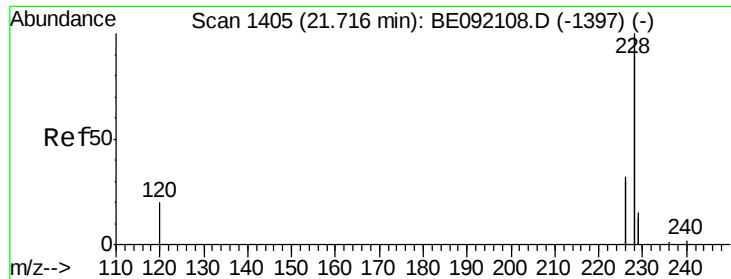
Tgt Ion:240 Resp: 65663
Ion Ratio Lower Upper
240 100
120 1.7 0.6 1.0#
236 22.9 18.2 27.4



#24
Terphenyl-d14
Concen: 9.18 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

Tgt Ion:244 Resp: 86548
Ion Ratio Lower Upper
244 100
212 9.2 9.1 13.7
122 9.2 11.0 16.4#

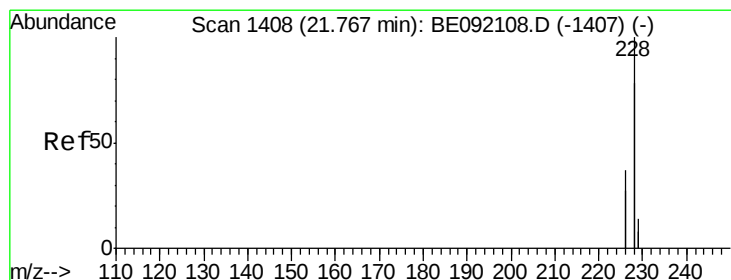
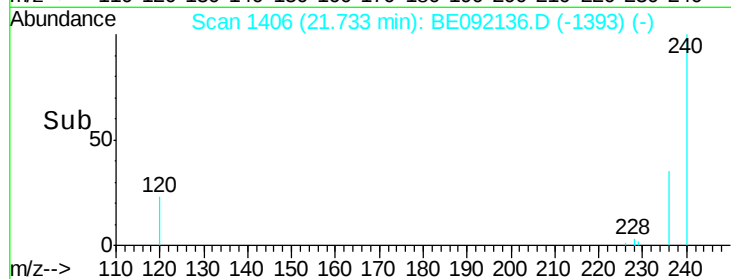
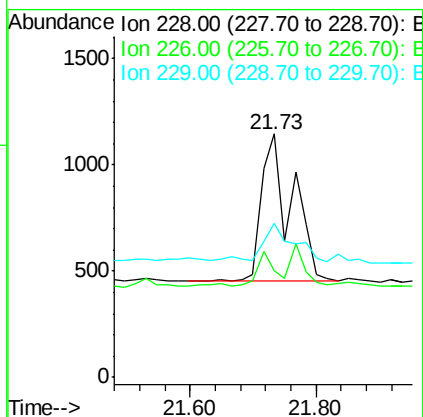
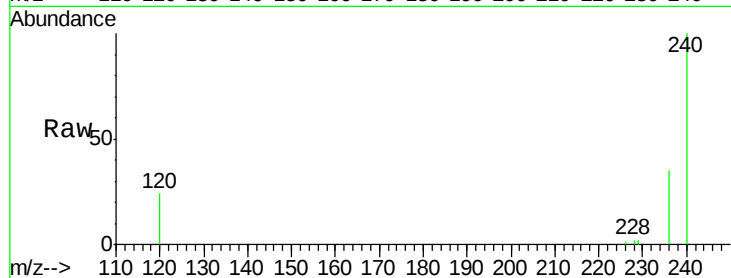




#25
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. 0.02 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

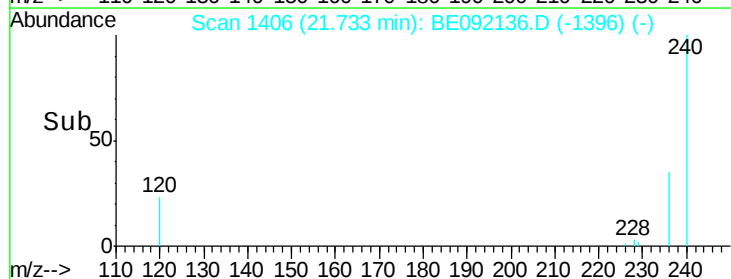
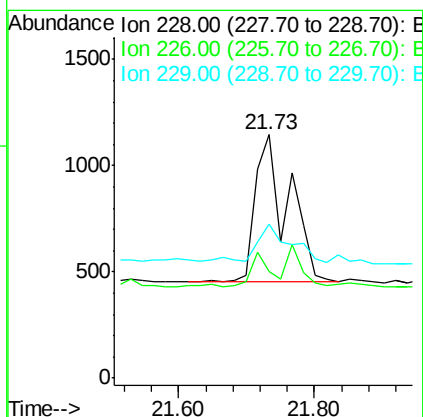
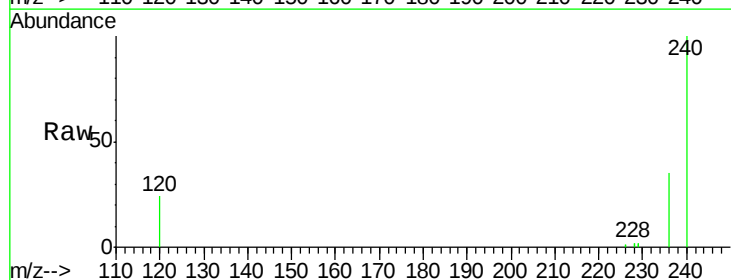
Instrument :
BNA_E
ClientSampleId :
GW-40-5.0-15.0

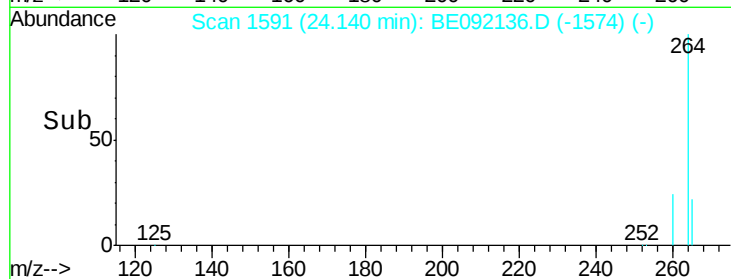
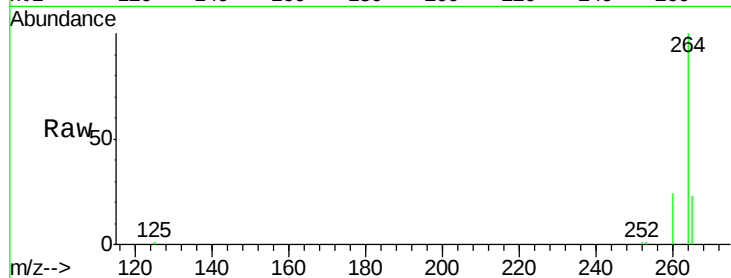
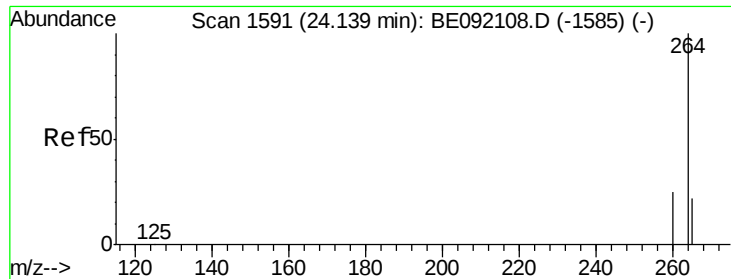
Tgt Ion:228 Resp: 2339
Ion Ratio Lower Upper
228 100
226 44.0 22.1 33.1#
229 63.2 15.1 22.7#



#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

Tgt Ion:228 Resp: 2310
Ion Ratio Lower Upper
228 100
226 44.0 22.3 33.5#
229 63.2 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: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

Tgt Ion:264 Resp: 70585

Ion Ratio Lower Upper

264 100

260 24.0 20.8 31.2

265 22.9 16.6 25.0

