

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092167.D
 Acq On : 4 Aug 2016 4:56
 Operator : UM/SJ
 Sample : H4242-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-49-10.75-15.0

Quant Time: Aug 04 06:05:25 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

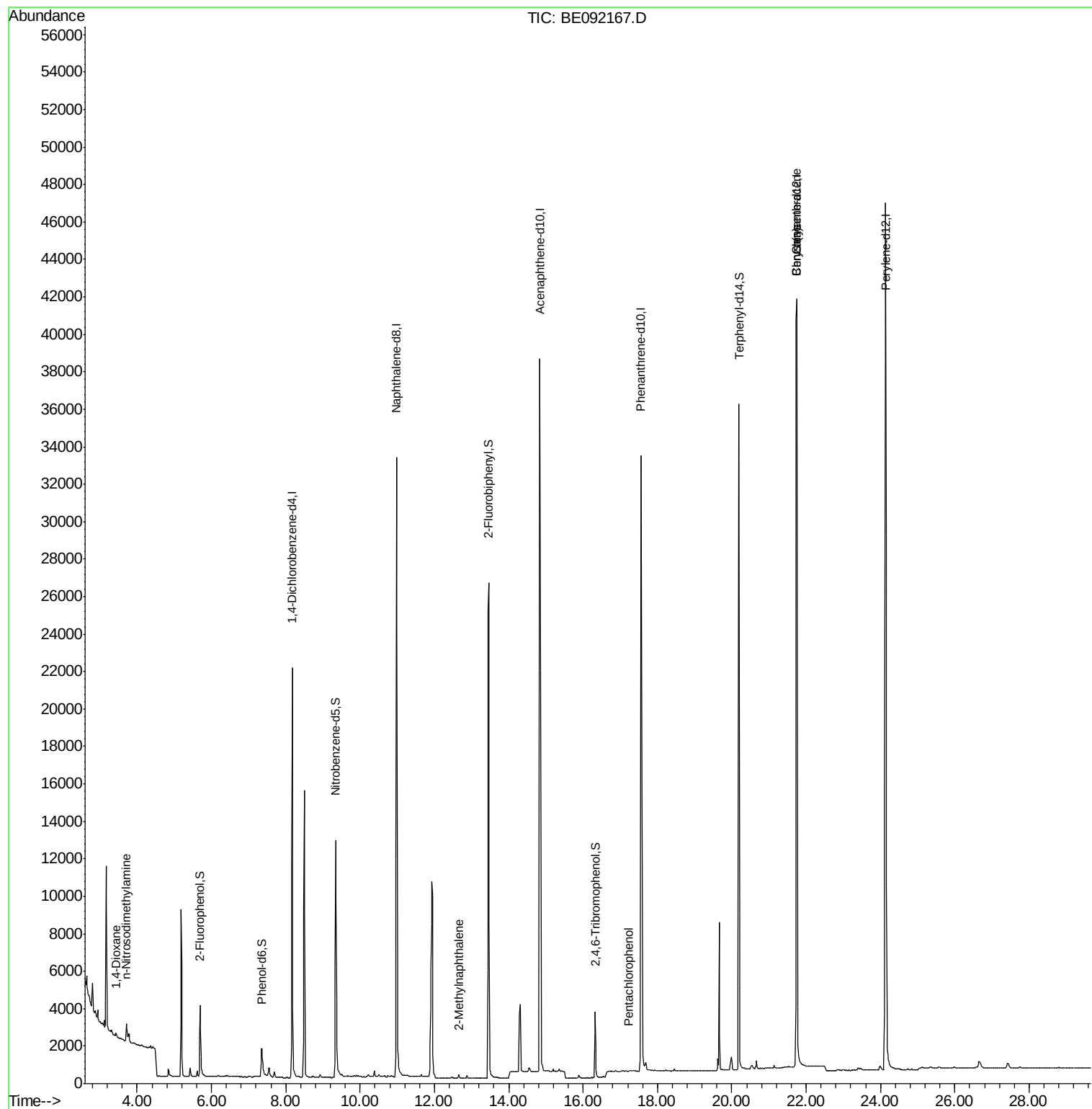
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11536	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	50600	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26117	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	54637	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	63381	5.00	ng	0.00
28) Perylene-d12	24.14	264	69954	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	3747	1.26	ng	0.00
5) Phenol-d6	7.36	99	2934	0.74	ng	0.01
7) Nitrobenzene-d5	9.34	82	13525	3.39	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	2516	2.97	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30114	3.64	ng	0.00
24) Terphenyl-d14	20.19	244	41182	4.52	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.43	88	36	0.02	ng	# 1
3) n-Nitrosodimethylamine	3.71	42	432	0.29	ng	# 1
9) 2-Methylnaphthalene	12.65	142	171	0.04	ng	# 72
18) Pentachlorophenol	17.24	266	25	0.22	ng	# 81
19) Phenanthrene	17.60	178	375	Below Cal		# 78
25) Benzo(a)anthracene	21.73	228	2183	0.03	ng	# 71
26) Chrysene	21.73	228	2231	0.03	ng	# 73
30) Benzo(k)fluoranthene	23.46	252	144	Below Cal		# 1

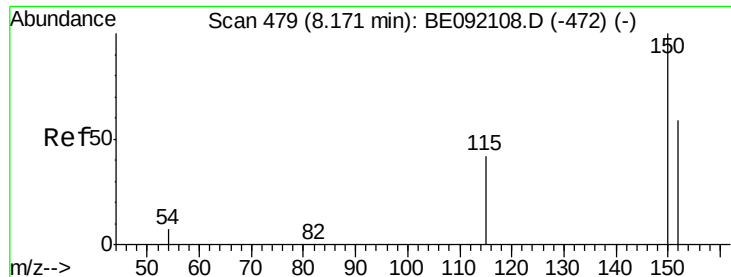
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

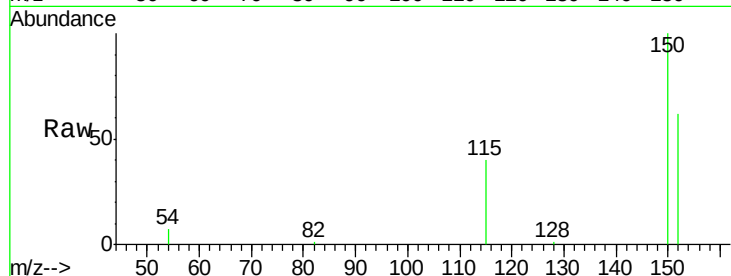
Tgt Ion:152 Resp: 11536

Ion Ratio Lower Upper

152 100

150 161.6 106.0 159.0#

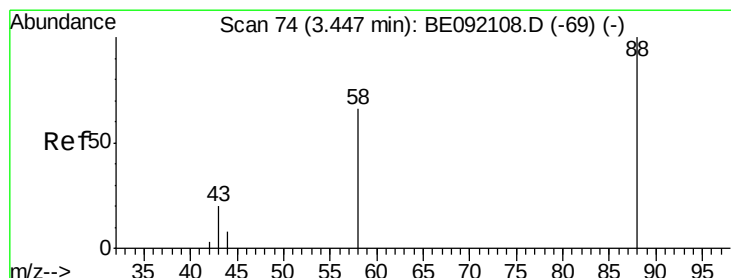
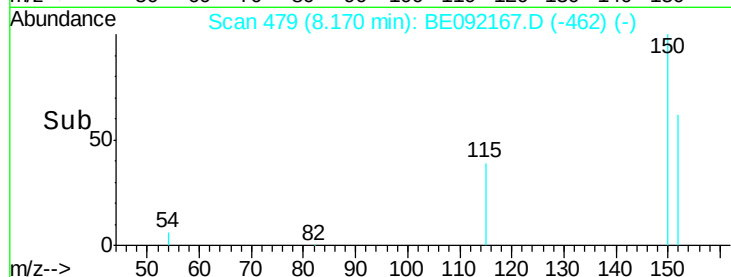
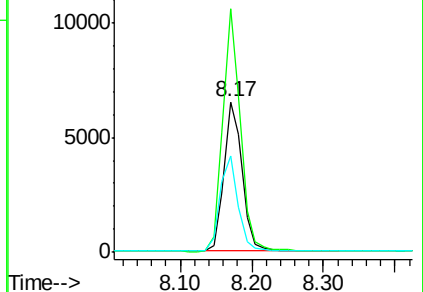
115 64.0 36.9 55.3#



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: 0.02 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

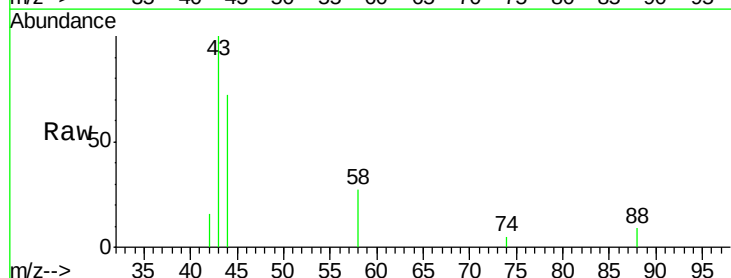
Tgt Ion: 88 Resp: 36

Ion Ratio Lower Upper

88 100

58 0.0 62.1 93.1#

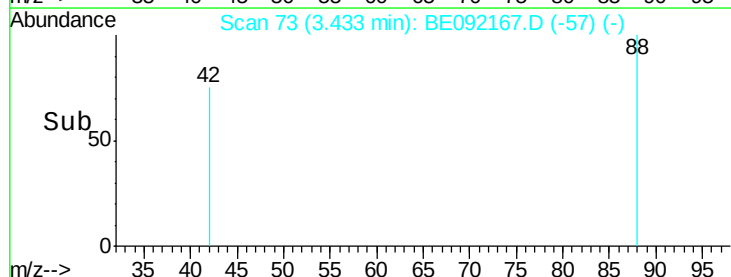
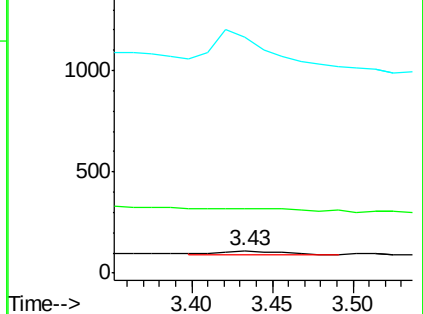
43 2233.3 27.2 40.8#

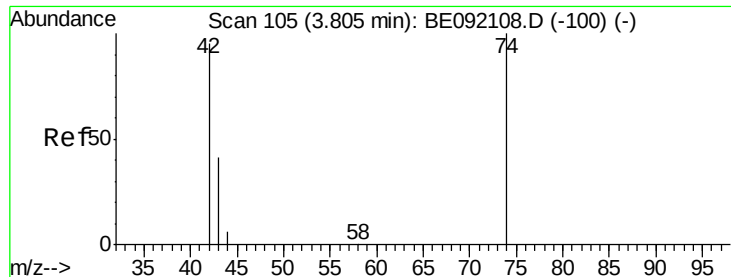


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.29 ng

RT: 3.71 min Scan# 97

Delta R.T. -0.09 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

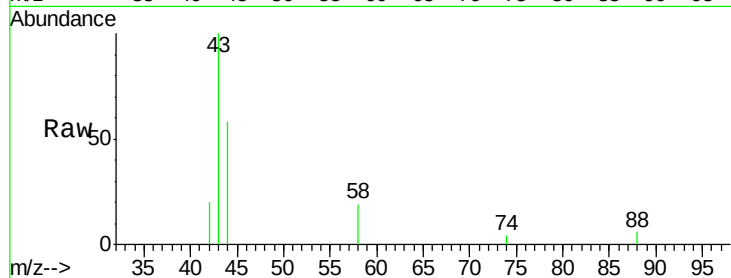
Tgt Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

74 1.6 82.8 124.2#

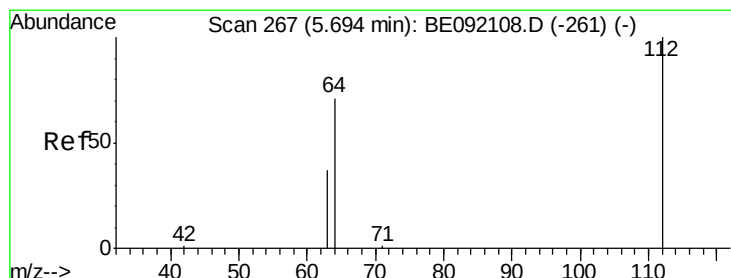
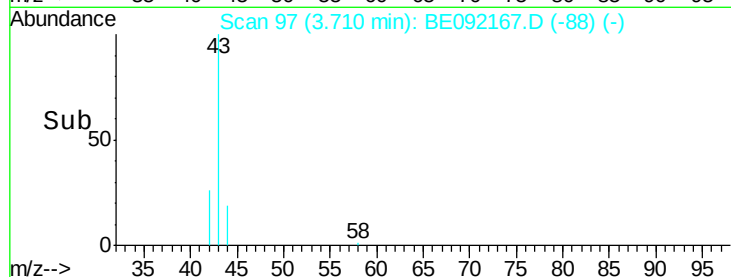
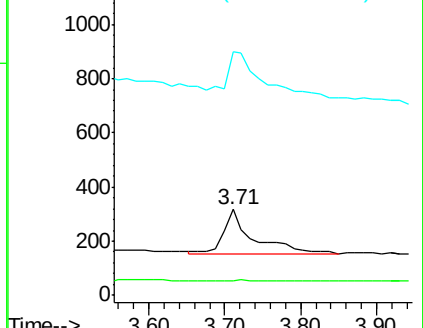
44 204.6 9.0 13.4#



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: 1.26 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

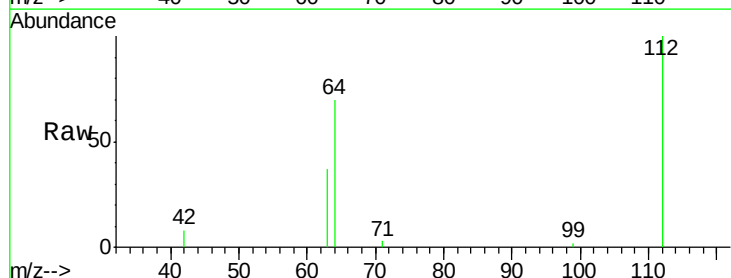
Tgt Ion: 112 Resp: 3747

Ion Ratio Lower Upper

112 100

64 66.7 55.9 83.9

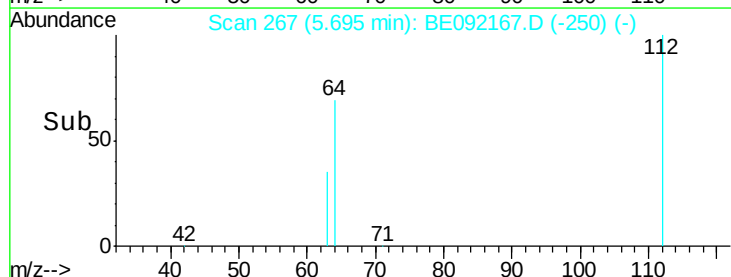
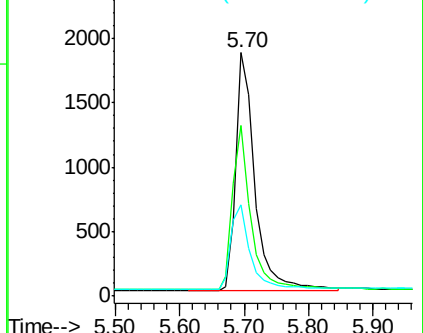
63 36.4 31.1 46.7

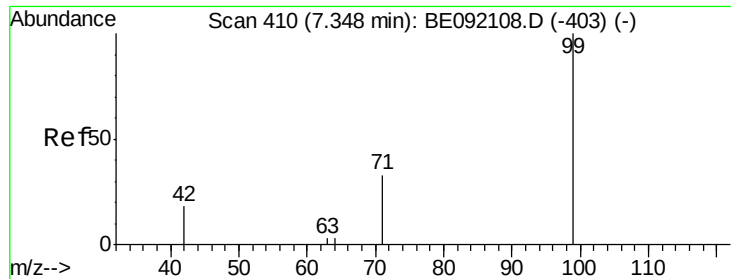


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.74 ng

RT: 7.36 min Scan# 411

Delta R.T. 0.01 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

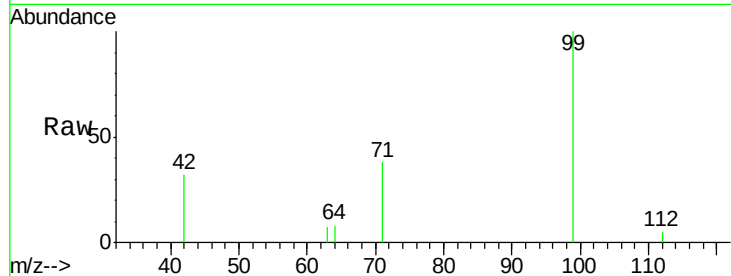
Tgt Ion: 99 Resp: 2934

Ion Ratio Lower Upper

99 100

42 23.2 22.4 33.6

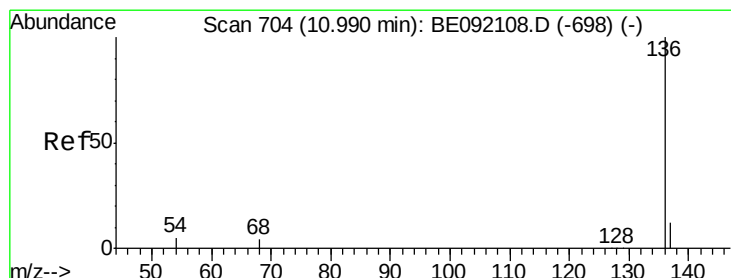
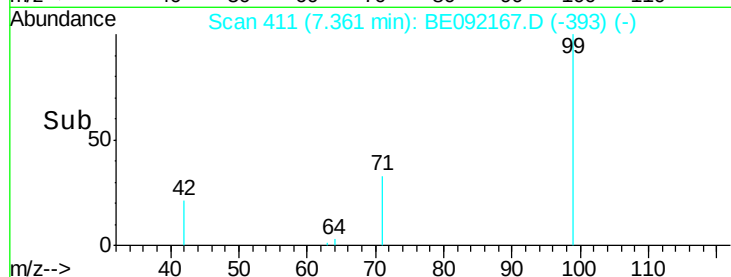
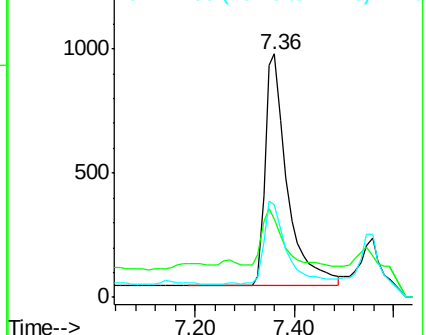
71 37.2 28.9 43.3



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: BE092167.D

Acq: 4 Aug 2016 4:56

Tgt Ion: 136 Resp: 50600

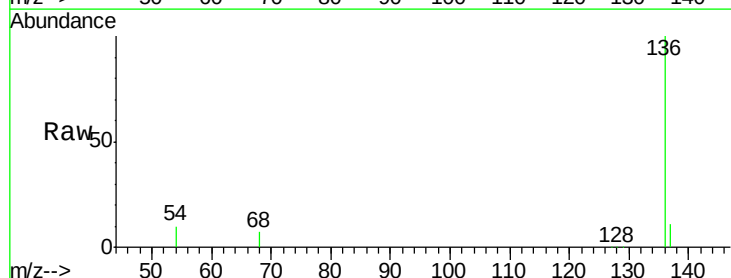
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 9.8 2.7 4.1#

68 7.0 2.2 3.4#

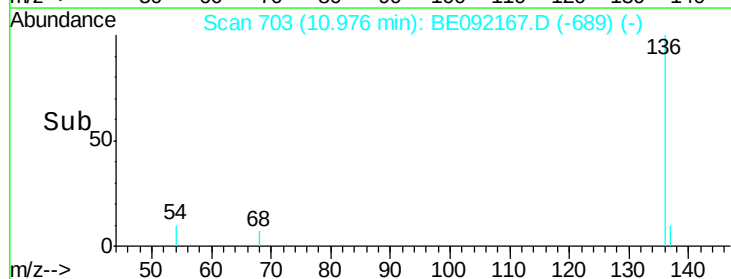
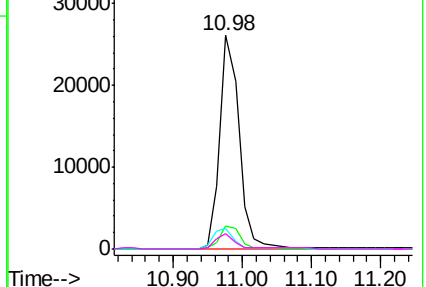


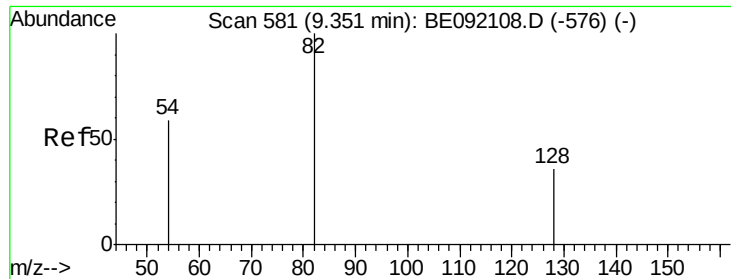
Abundance Ion 136.00 (135.70 to 136.70): E

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: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

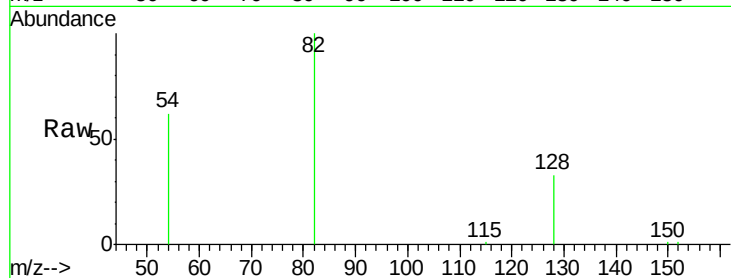
Tgt Ion: 82 Resp: 13525

Ion Ratio Lower Upper

82 100

128 33.0 33.0 49.4

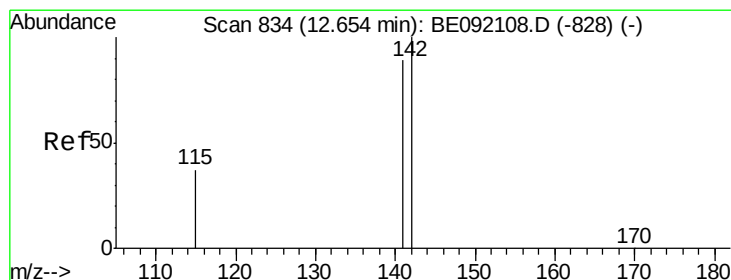
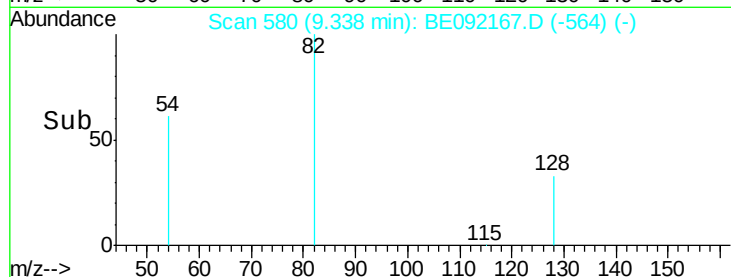
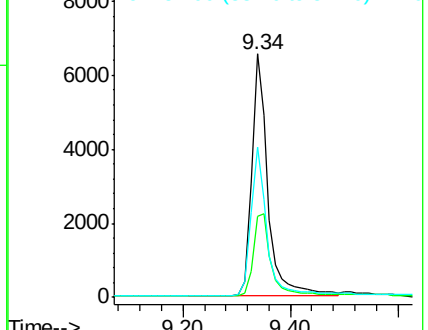
54 61.9 42.6 63.8



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



#9

2-Methylnaphthalene

Concen: 0.04 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

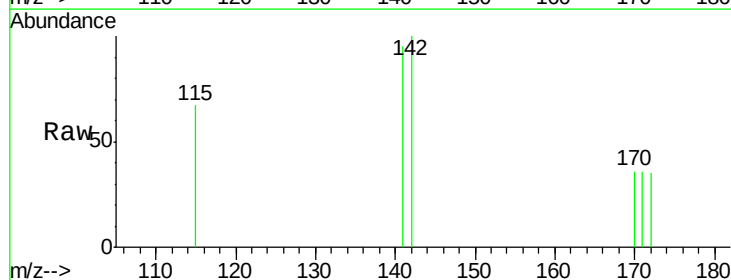
Tgt Ion: 142 Resp: 171

Ion Ratio Lower Upper

142 100

141 94.6 65.1 97.7

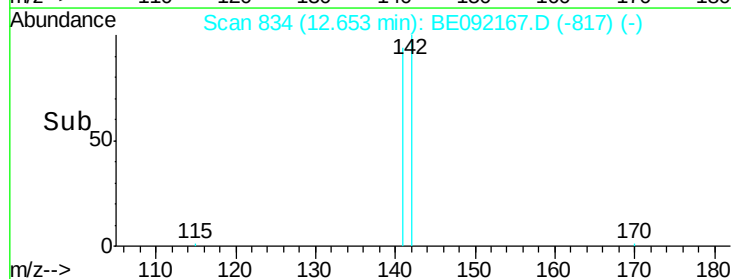
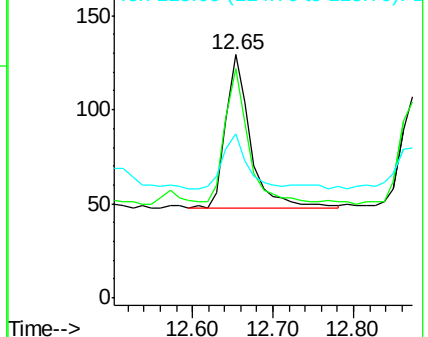
115 67.4 27.0 40.4#

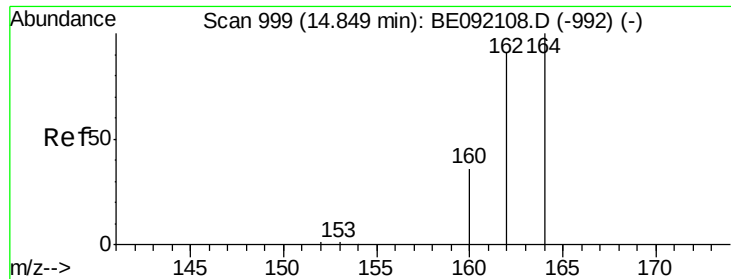


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

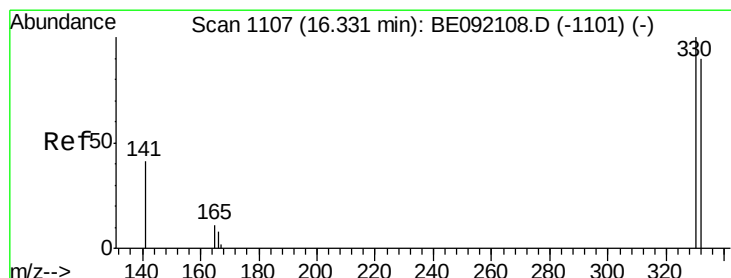
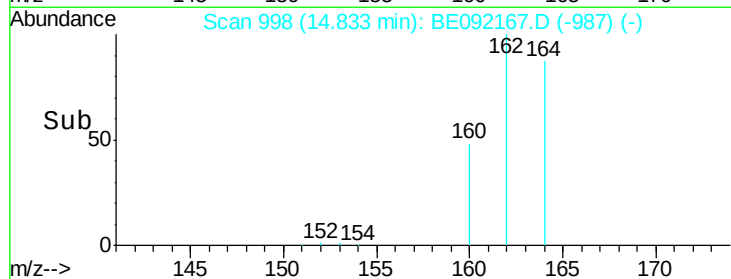
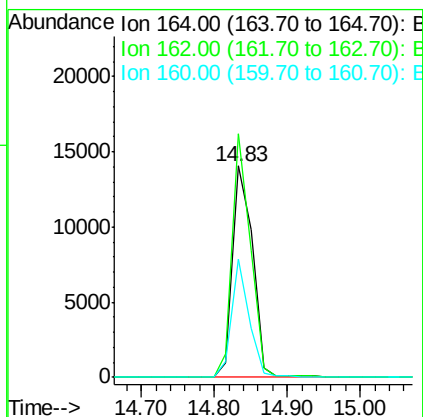
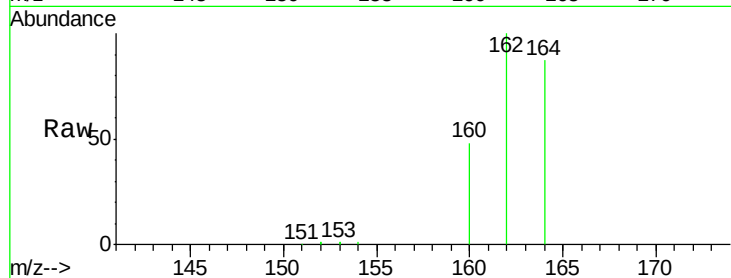
Tgt Ion:164 Resp: 26117

Ion Ratio Lower Upper

164 100

162 115.1 69.5 104.3#

160 55.7 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 2.97 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

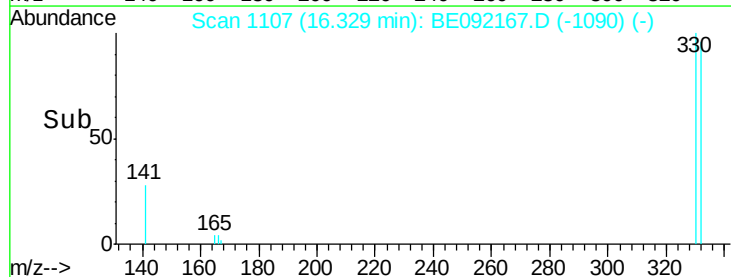
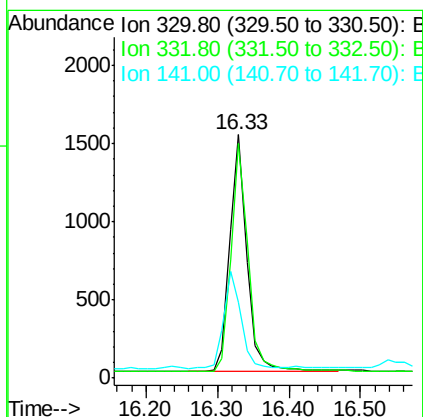
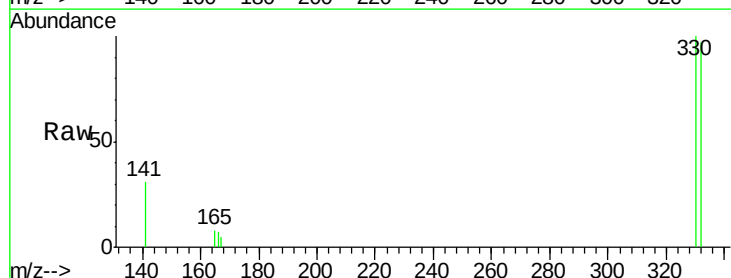
Tgt Ion:330 Resp: 2516

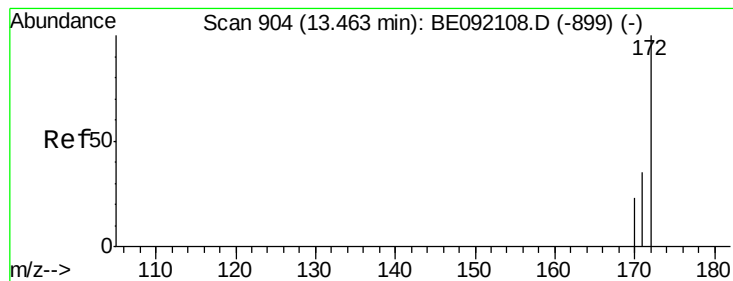
Ion Ratio Lower Upper

330 100

332 95.8 74.2 111.4

141 41.1 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 3.64 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

Tgt Ion:172 Resp: 30114

Ion Ratio Lower Upper

172 100

171 31.3

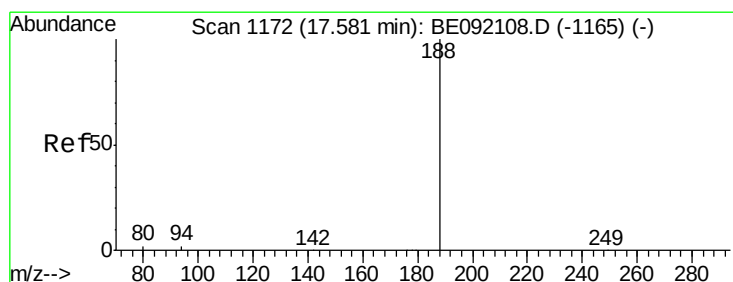
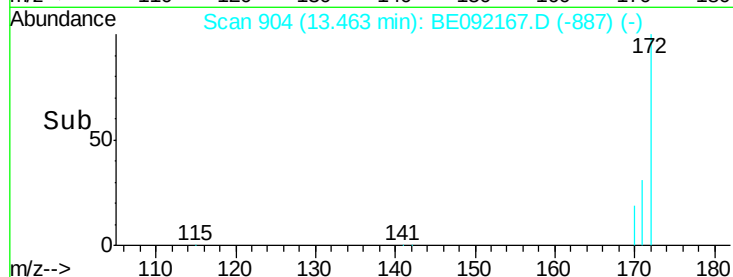
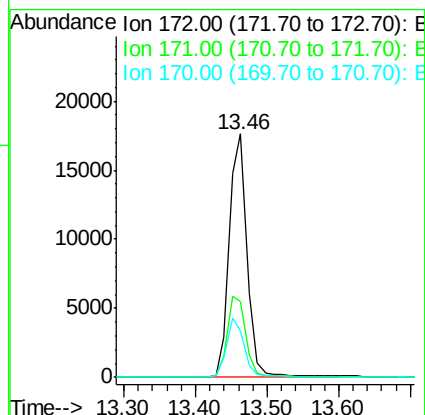
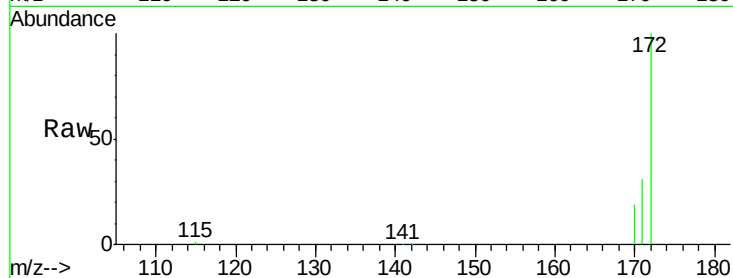
30.3

45.5

170 19.1

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: BE092167.D

Acq: 4 Aug 2016 4:56

Tgt Ion:188 Resp: 54637

Ion Ratio Lower Upper

188 100

94 16.8

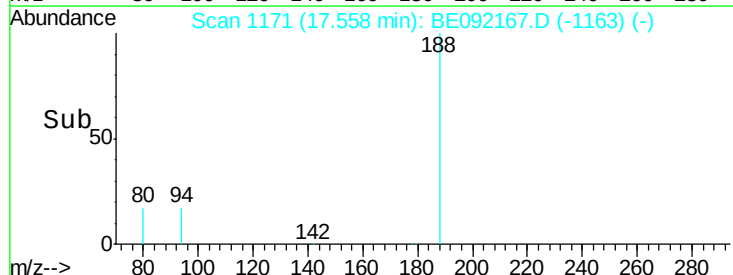
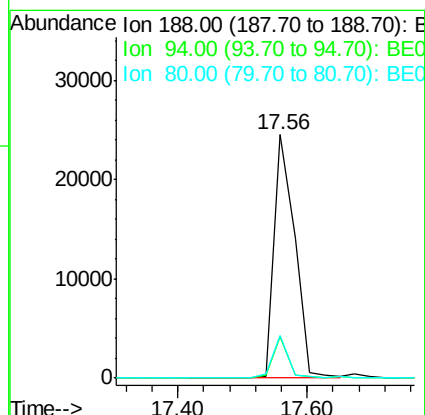
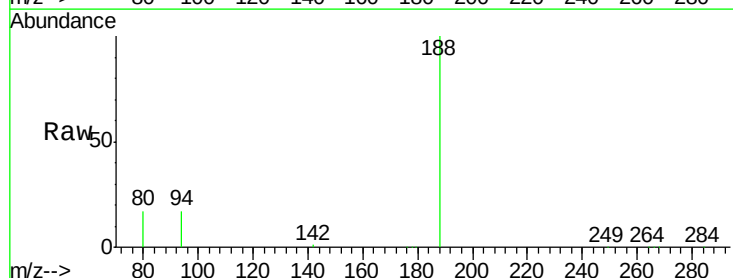
3.9

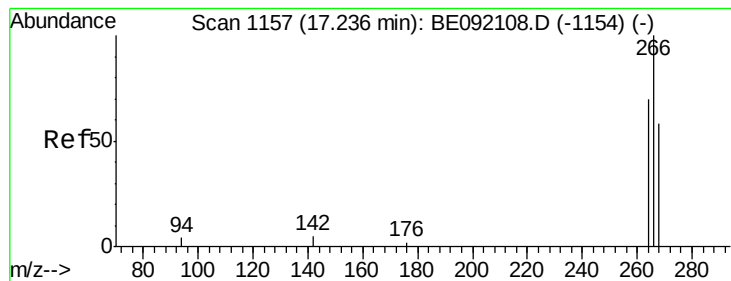
5.9#

80 17.5

3.4

5.0#





#18

Pentachlorophenol

Concen: 0.22 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

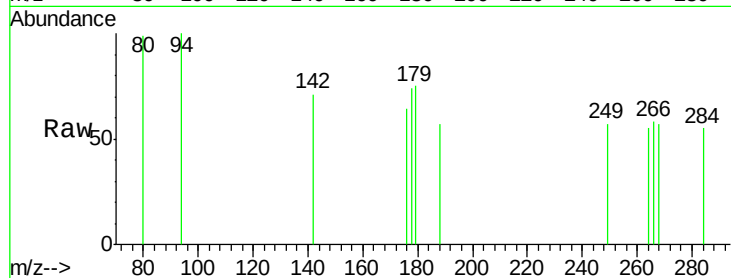
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

268 98.0 62.7 94.1#

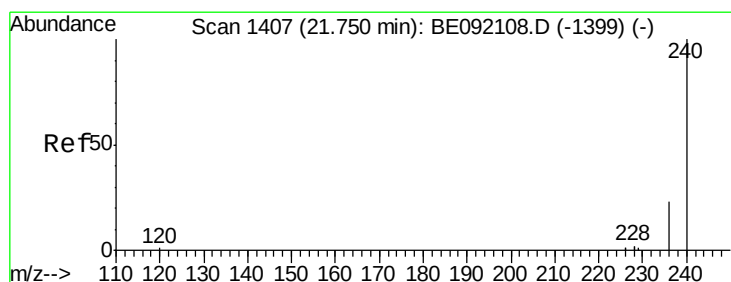
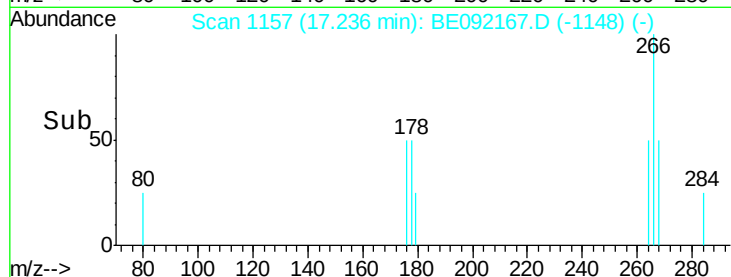
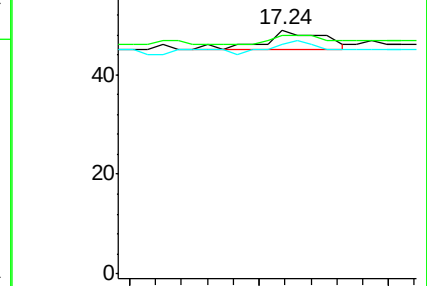
264 93.9 63.5 95.3



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

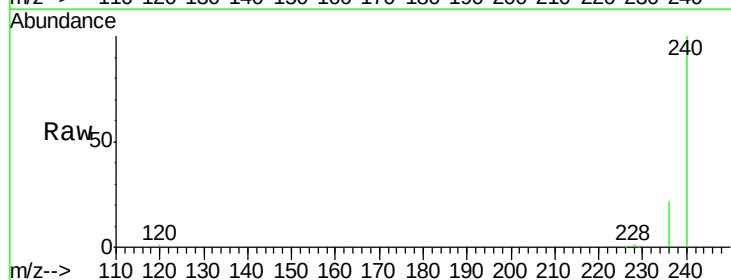
Tgt Ion:240 Resp: 63381

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

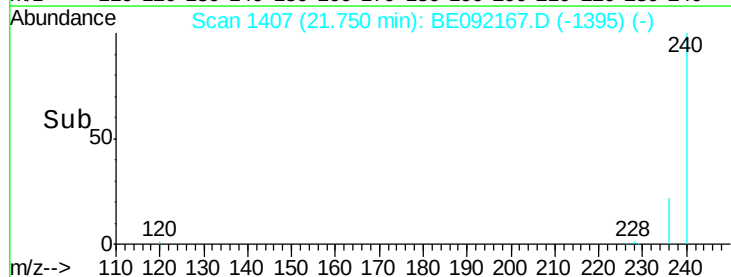
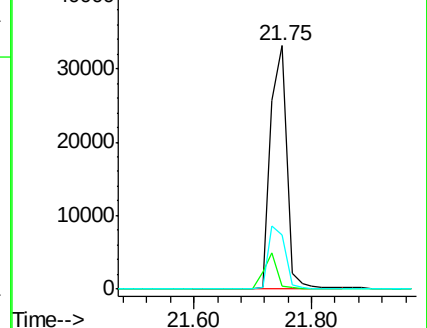
236 22.2 18.2 27.4

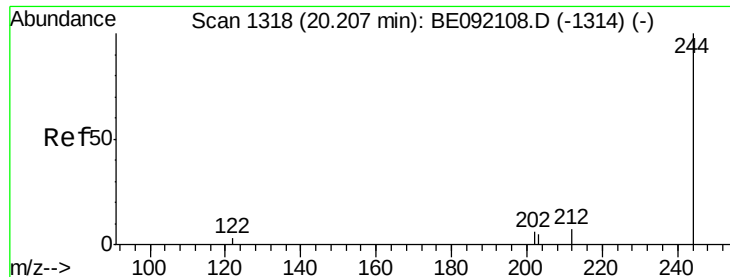


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.52 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

Instrument :

BNA_E

ClientSampleId :

GW-49-10.75-15.0

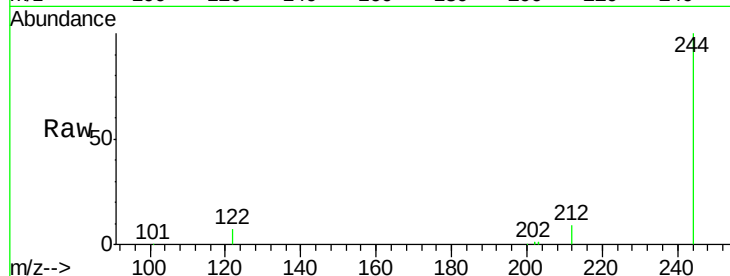
Tgt Ion:244 Resp: 41182

Ion Ratio Lower Upper

244 100

212 8.9 9.1 13.7#

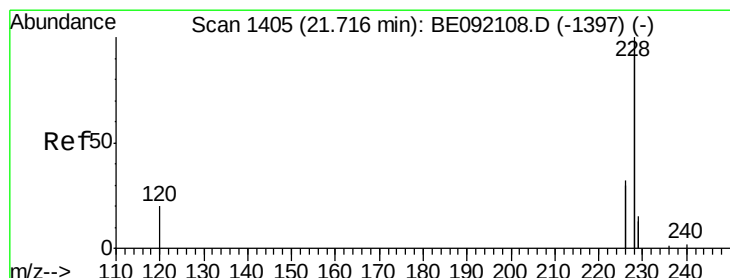
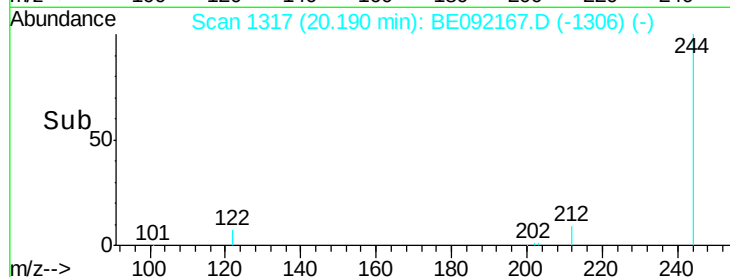
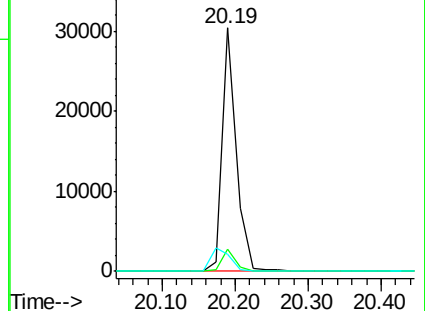
122 6.8 11.0 16.4#



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: 0.03 ng

RT: 21.73 min Scan# 1406

Delta R.T. 0.02 min

Lab File: BE092167.D

Acq: 4 Aug 2016 4:56

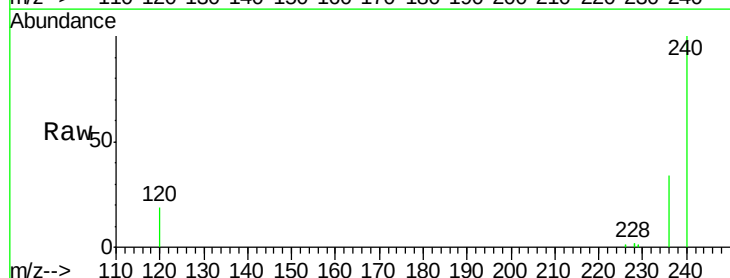
Tgt Ion:228 Resp: 2183

Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

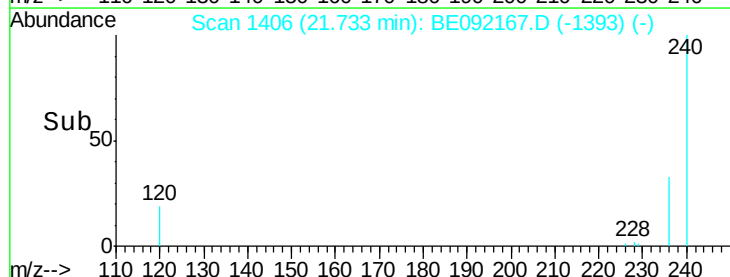
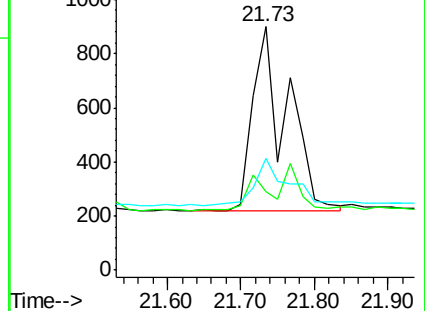
229 46.0 15.1 22.7#

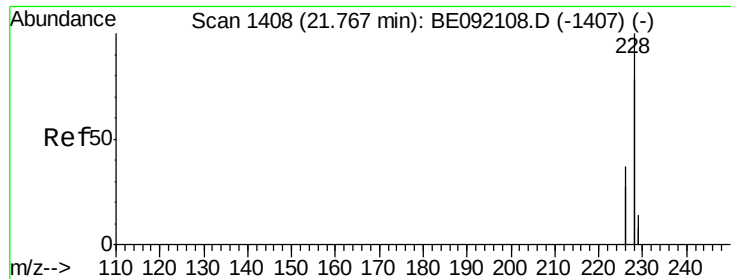


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

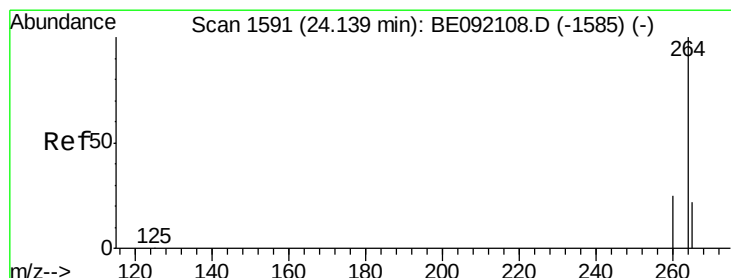
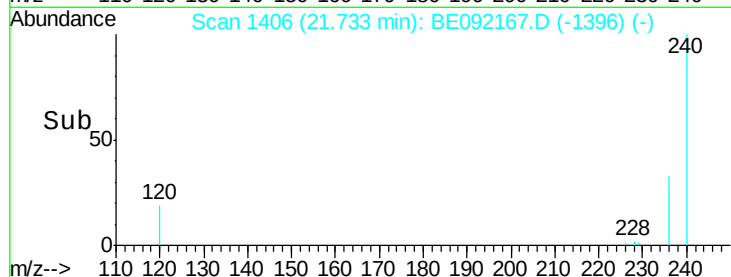
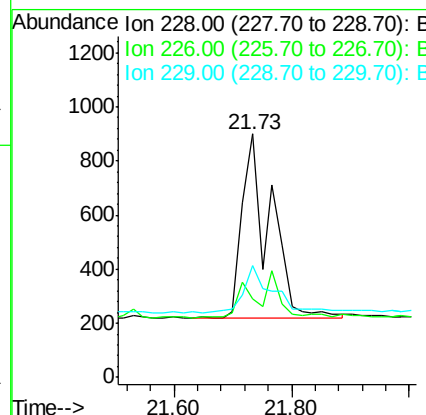
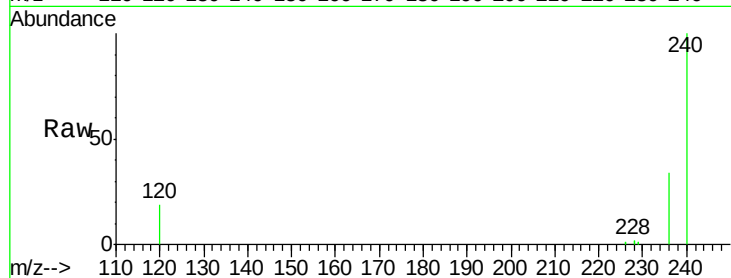




#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092167.D
Acq: 4 Aug 2016 4:56

Instrument :
BNA_E
ClientSampleId :
GW-49-10.75-15.0

Tgt Ion: 228 Resp: 2231
Ion Ratio Lower Upper
228 100
226 32.0 22.3 33.5
229 46.0 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: BE092167.D
Acq: 4 Aug 2016 4:56

Tgt Ion: 264 Resp: 69954
Ion Ratio Lower Upper
264 100
260 24.6 20.8 31.2
265 22.5 16.6 25.0

