

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092196.D
 Acq On : 4 Aug 2016 23:40
 Operator : UM/SJ
 Sample : H4269-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-55-15.2-19.0

Quant Time: Aug 05 03:15:41 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

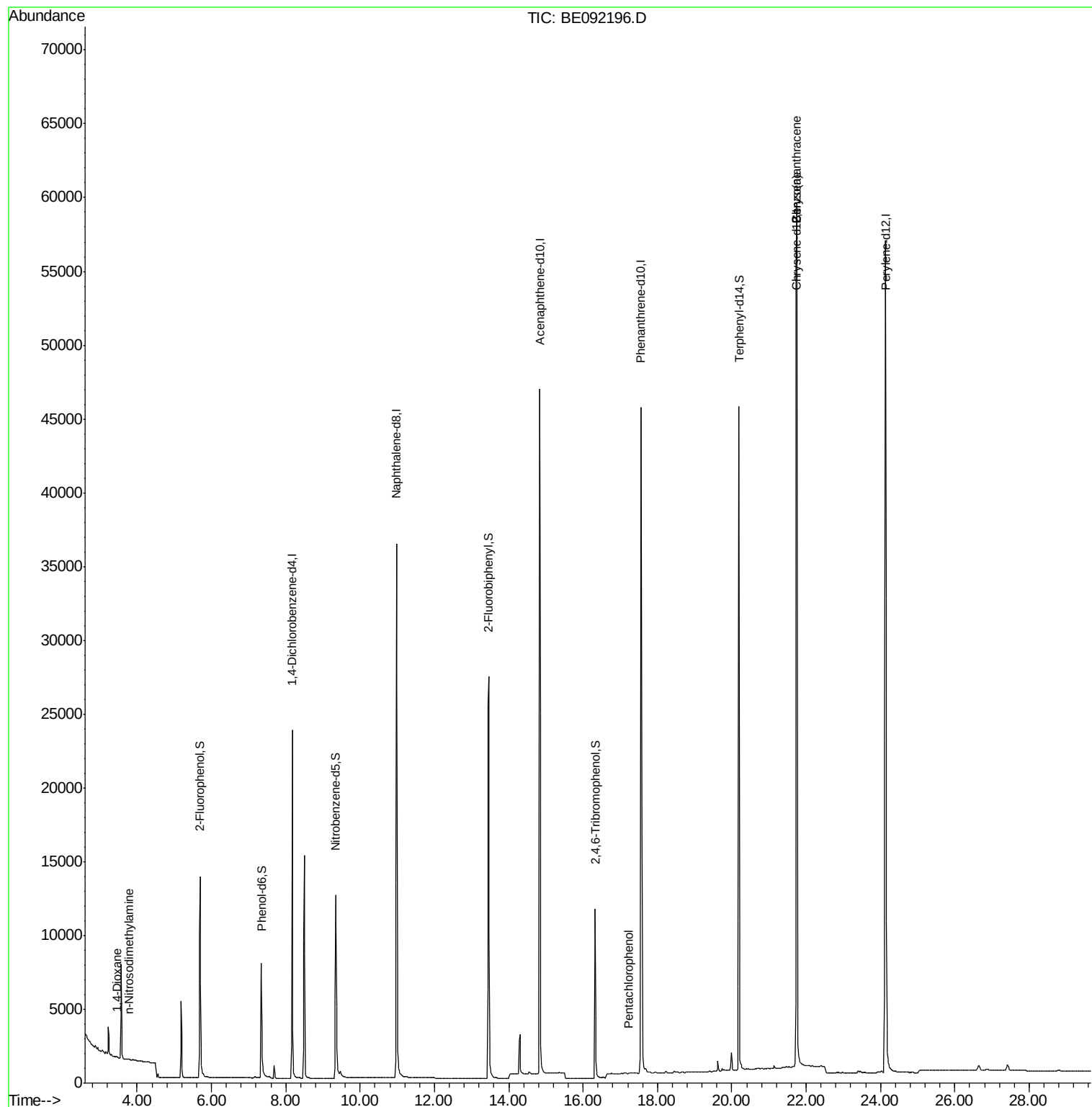
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12251	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	56660	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	31324	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	71152	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	88172	5.00	ng	0.00
28) Perylene-d12	24.14	264	87943	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	12233	3.89	ng	0.00
5) Phenol-d6	7.35	99	10237	2.44	ng	0.00
7) Nitrobenzene-d5	9.34	82	14170	3.17	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8084	7.95	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32676	3.29	ng	0.00
24) Terphenyl-d14	20.19	244	51514	4.07	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	71	0.04	ng	# 82
3) n-Nitrosodimethylamine	3.77	42	24	0.10	ng	# 6
8) Naphthalene	11.03	128	43	Below Cal		# 1
18) Pentachlorophenol	17.24	266	14	0.20	ng	# 80
19) Phenanthrene	17.60	178	220	Below Cal		# 79
25) Benzo(a)anthracene	21.73	228	2639	0.03	ng	# 69
26) Chrysene	21.73	228	2574	0.03	ng	# 71
30) Benzo(k)fluoranthene	23.40	252	205	Below Cal		# 1

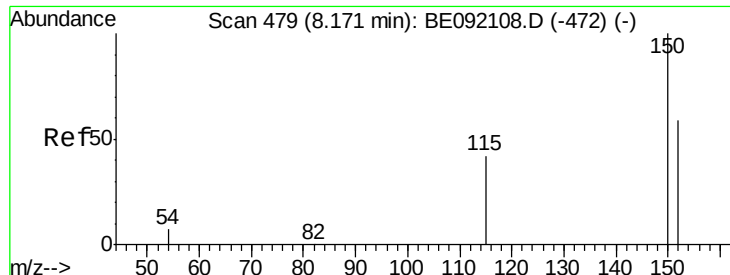
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092196.D
Acq On : 4 Aug 2016 23:40
Operator : UM/SJ
Sample : H4269-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Quant Time: Aug 05 03:15:41 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

Instrument :

BNA_E

ClientSampleId :

GW-55-15.2-19.0

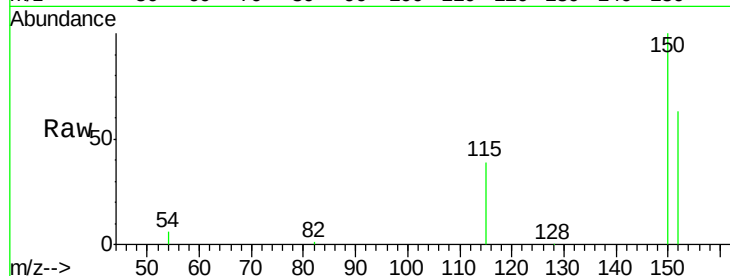
Tgt Ion:152 Resp: 12251

Ion Ratio Lower Upper

152 100

150 159.5 106.0 159.0#

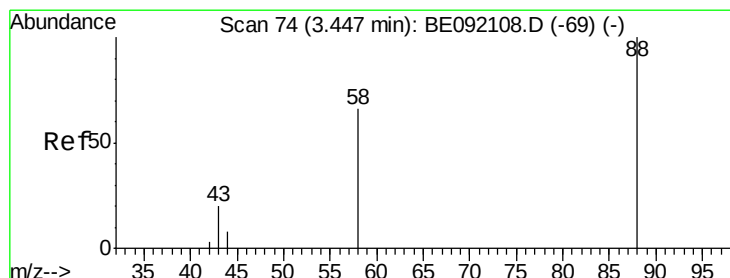
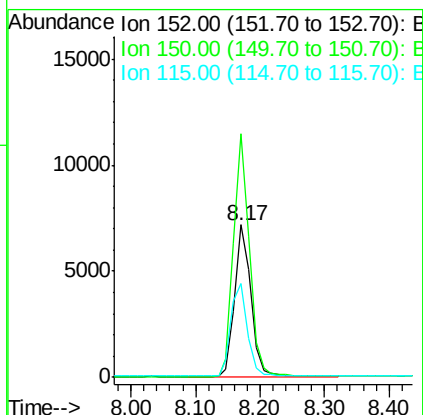
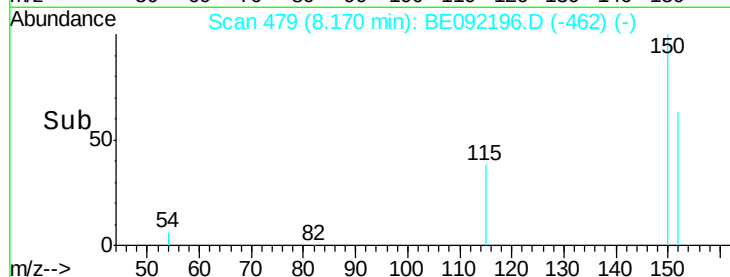
115 61.4 36.9 55.3#



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: 0.04 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

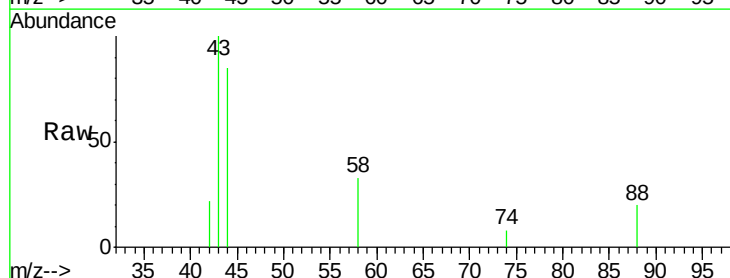
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

58 77.5 62.1 93.1

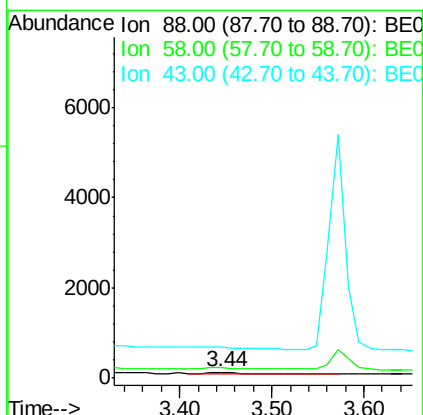
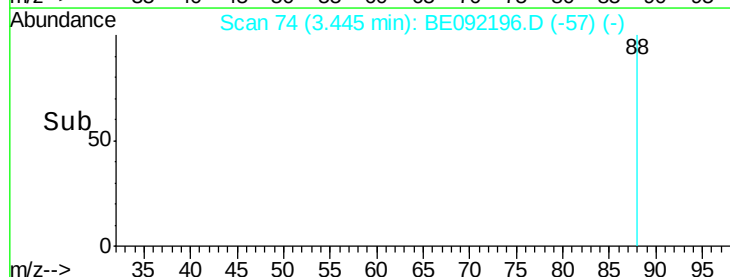
43 0.0 27.2 40.8#

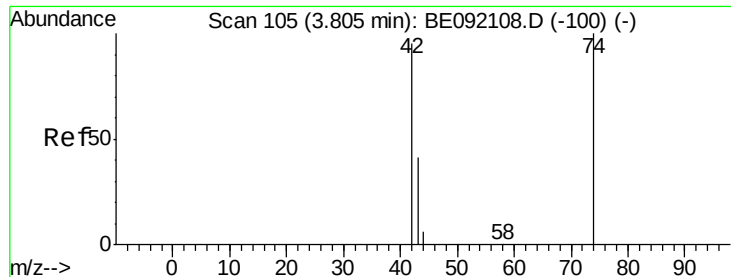


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

Instrument :

BNA_E

ClientSampleId :

GW-55-15.2-19.0

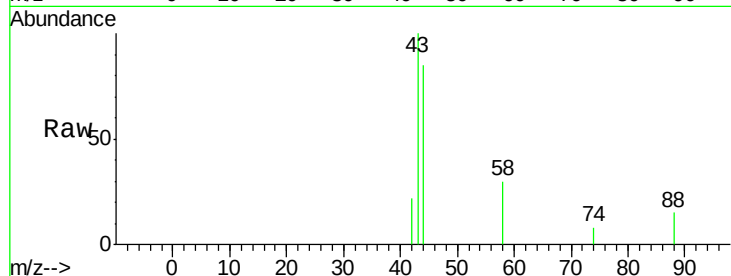
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

74 0.0 82.8 124.2#

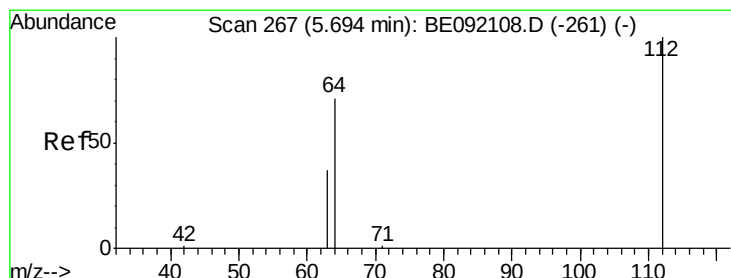
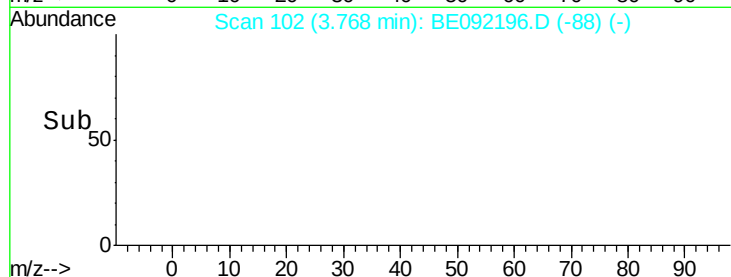
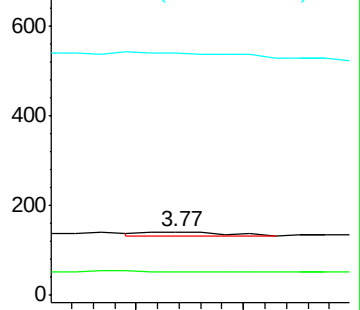
44 0.0 9.0 13.4#



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: 3.89 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

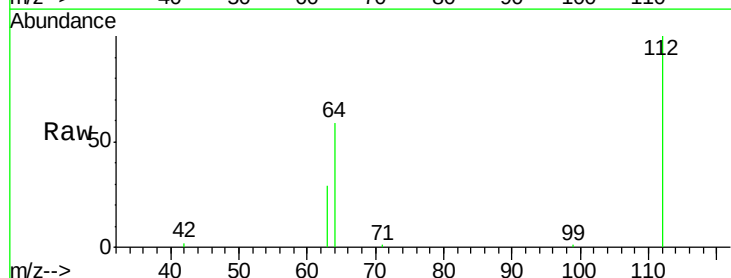
Tgt Ion: 112 Resp: 12233

Ion Ratio Lower Upper

112 100

64 67.1 55.9 83.9

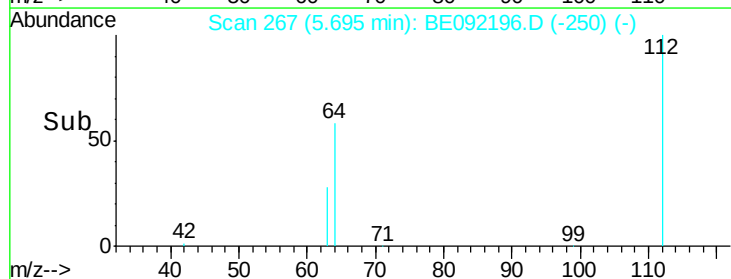
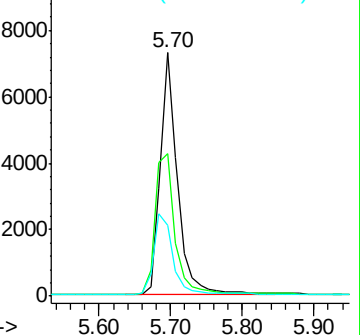
63 36.6 31.1 46.7

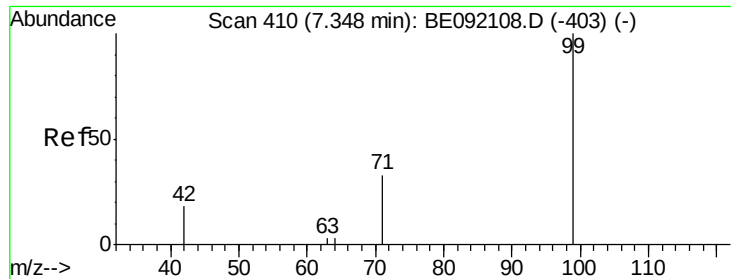


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.44 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

Instrument :

BNA_E

ClientSampleId :

GW-55-15.2-19.0

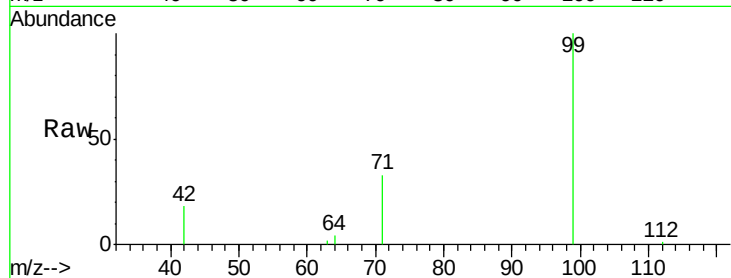
Tgt Ion: 99 Resp: 10237

Ion Ratio Lower Upper

99 100

42 24.8 22.4 33.6

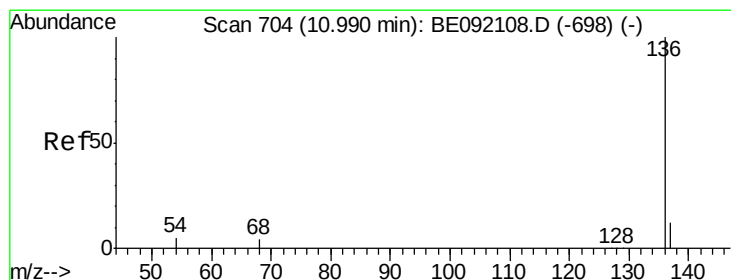
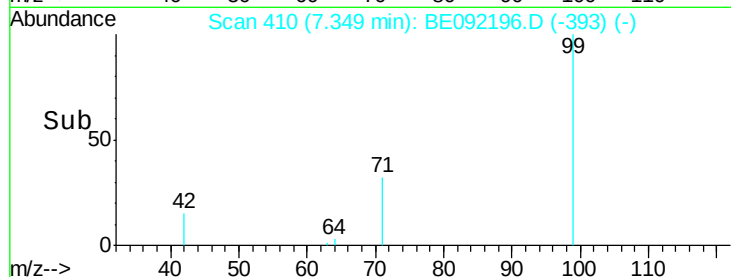
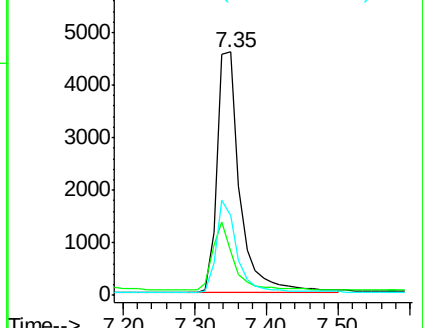
71 35.4 28.9 43.3



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) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

Tgt Ion: 136 Resp: 56660

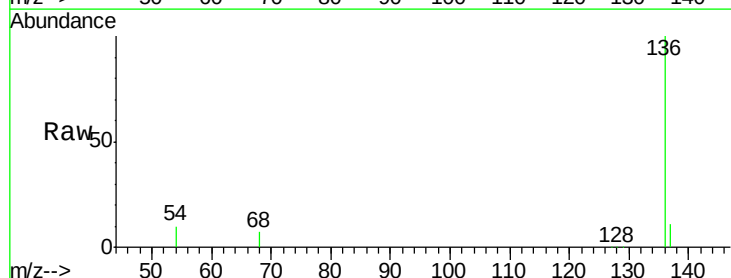
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 9.8 2.7 4.1#

68 6.9 2.2 3.4#

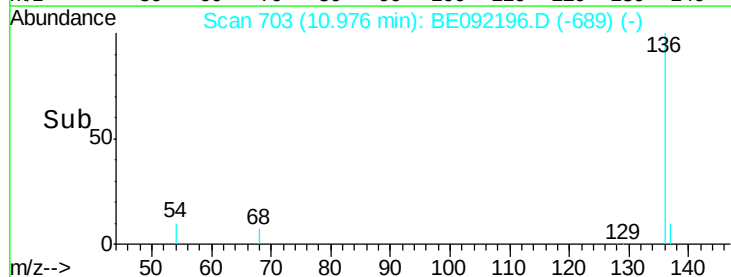
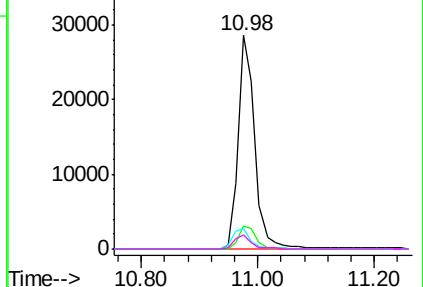


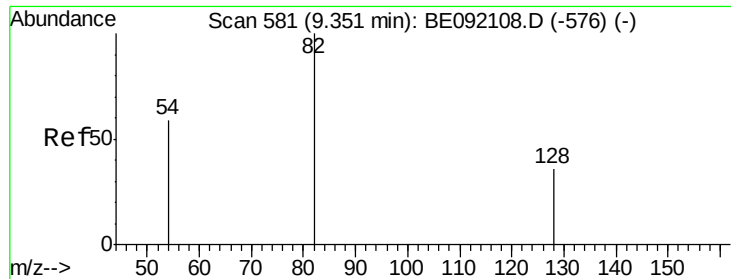
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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) (-)





#7

Nitrobenzene-d5

Concen: 3.17 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

Instrument :

BNA_E

ClientSampleId :

GW-55-15.2-19.0

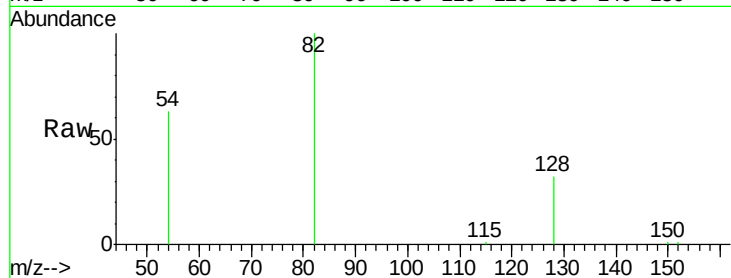
Tgt Ion: 82 Resp: 14170

Ion Ratio Lower Upper

82 100

128 31.9 33.0 49.4#

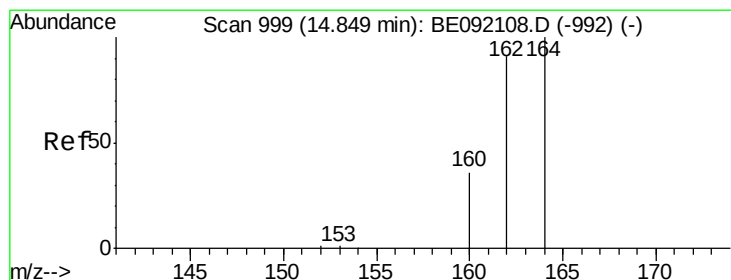
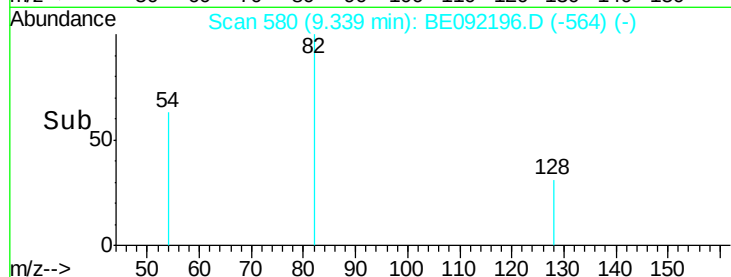
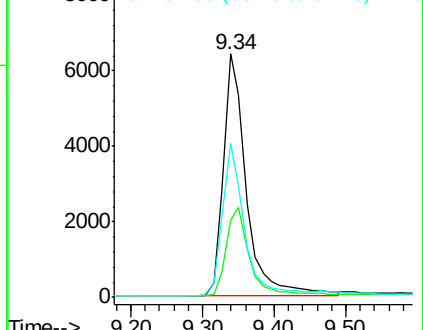
54 63.4 42.6 63.8



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: BE092196.D

Acq: 4 Aug 2016 23:40

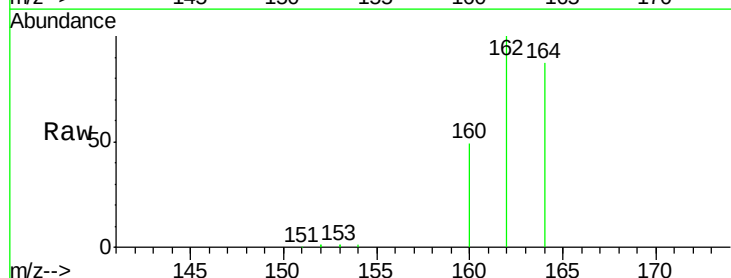
Tgt Ion: 164 Resp: 31324

Ion Ratio Lower Upper

164 100

162 114.8 69.5 104.3#

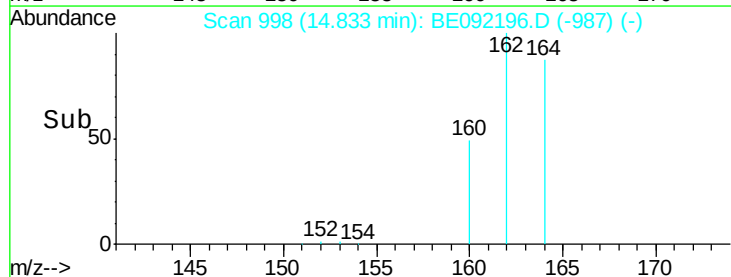
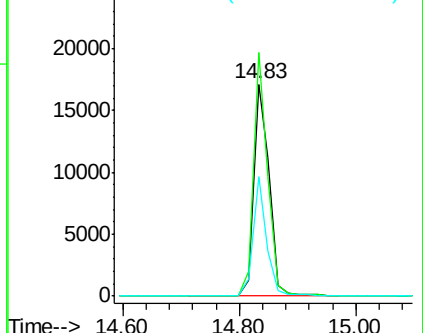
160 56.2 27.6 41.4#

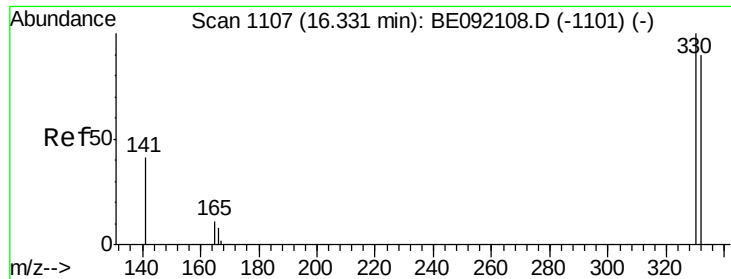


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

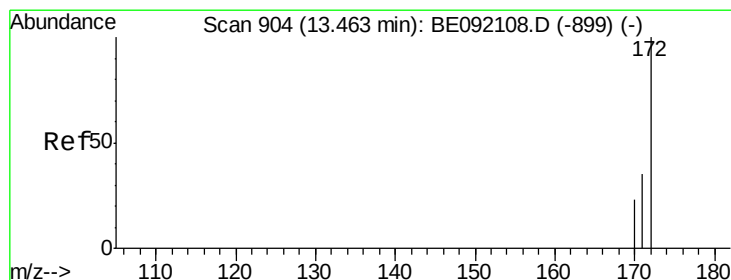
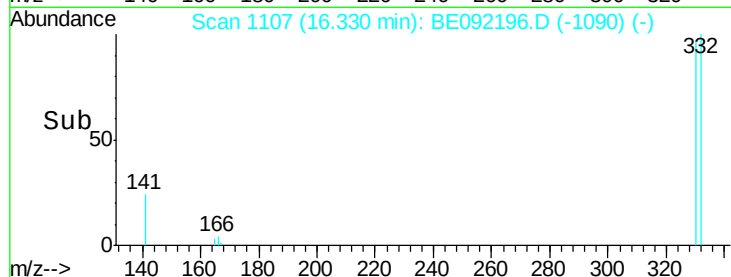
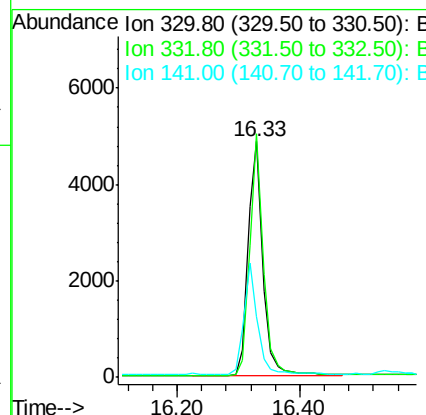
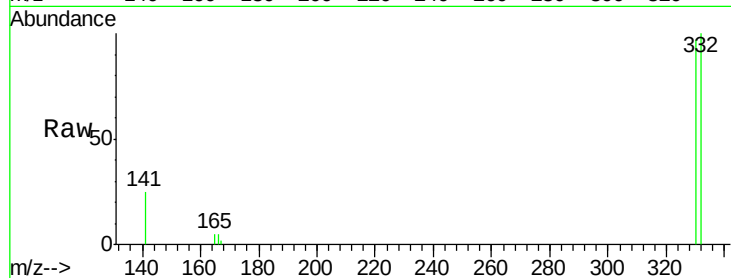




#11
 2,4,6-Tribromophenol
 Concen: 7.95 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092196.D
 Acq: 4 Aug 2016 23:40

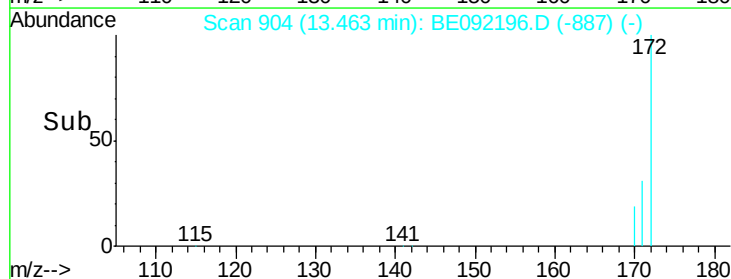
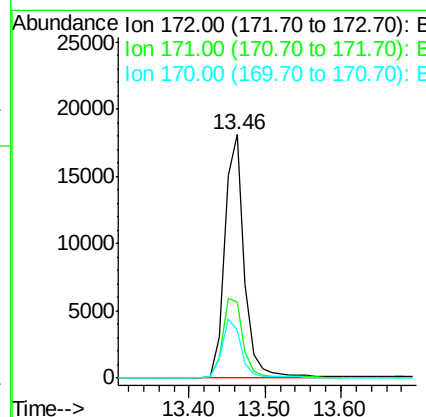
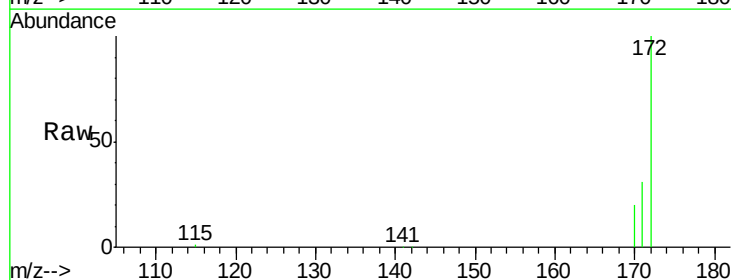
Instrument :
 BNA_E
 ClientSampleId :
 GW-55-15.2-19.0

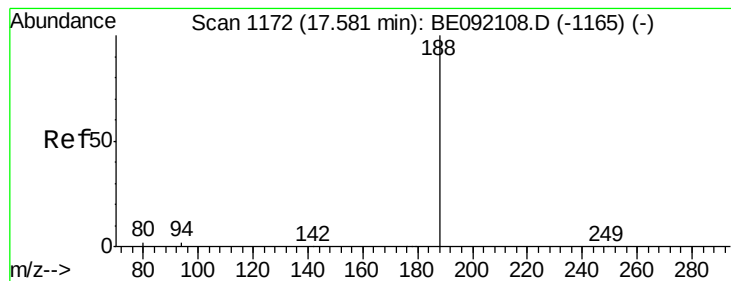
Tgt Ion: 330 Resp: 8084
 Ion Ratio Lower Upper
 330 100
 332 96.8 74.2 111.4
 141 44.3 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.29 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092196.D
 Acq: 4 Aug 2016 23:40

Tgt Ion: 172 Resp: 32676
 Ion Ratio Lower Upper
 172 100
 171 31.4 30.3 45.5
 170 19.5 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: BE092196.D

Acq: 4 Aug 2016 23:40

Instrument :

BNA_E

ClientSampleId :

GW-55-15.2-19.0

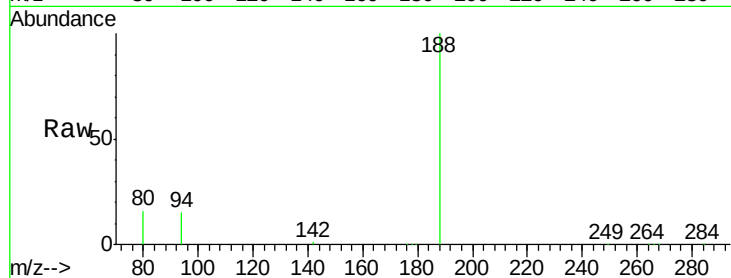
Tgt Ion:188 Resp: 71152

Ion Ratio Lower Upper

188 100

94 15.1 3.9 5.9#

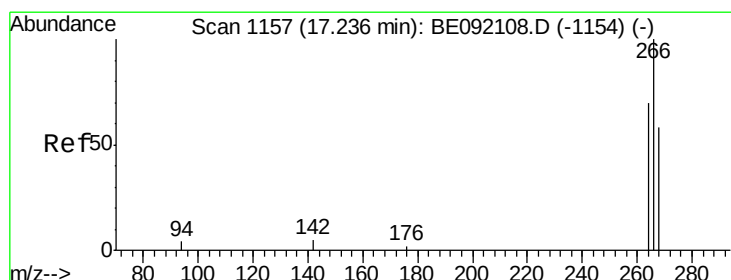
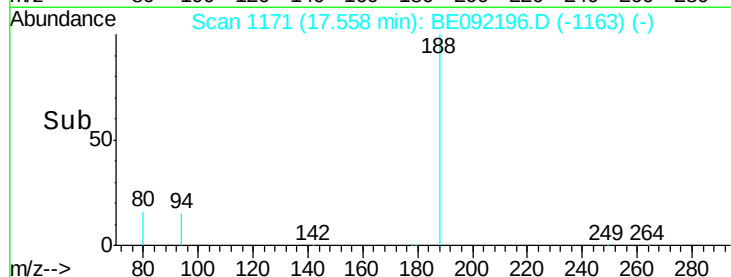
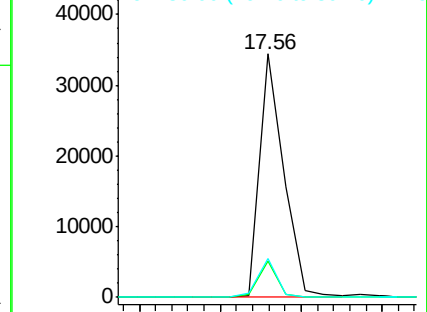
80 15.9 3.4 5.0#



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: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

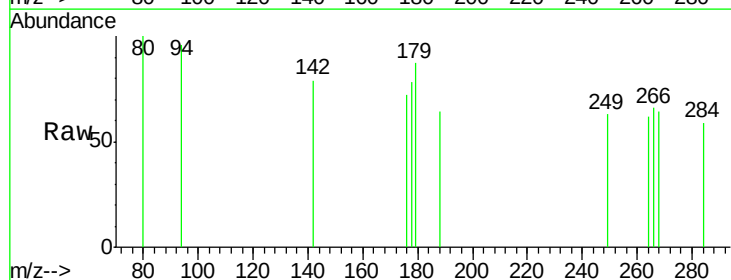
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

268 98.0 62.7 94.1#

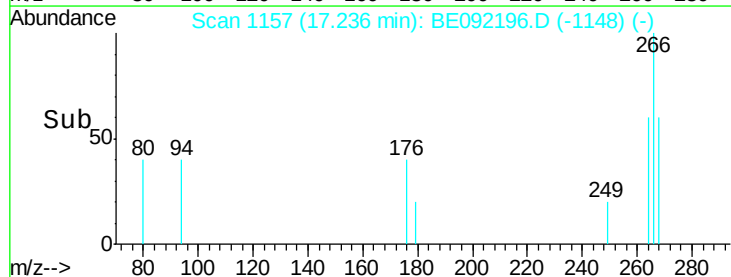
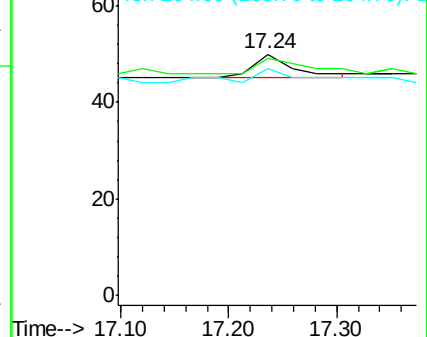
264 94.0 63.5 95.3

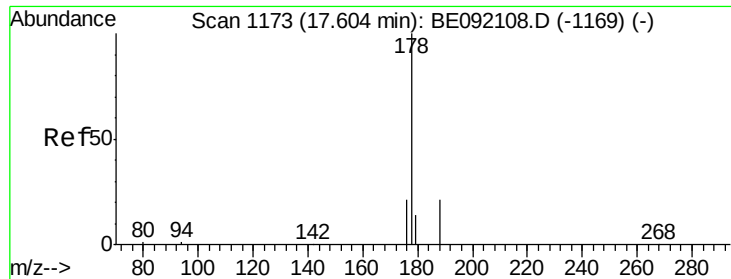


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

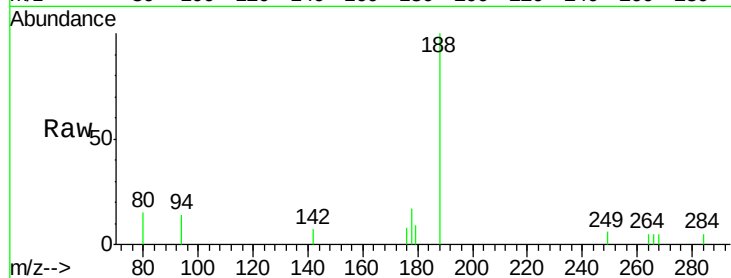




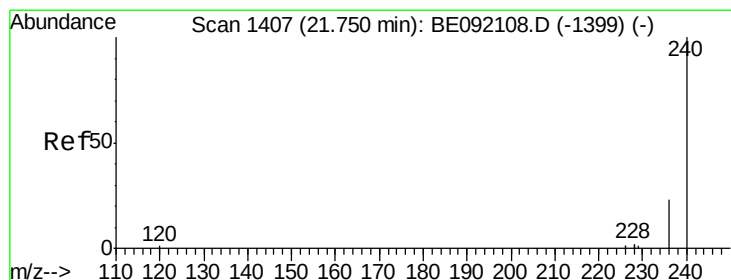
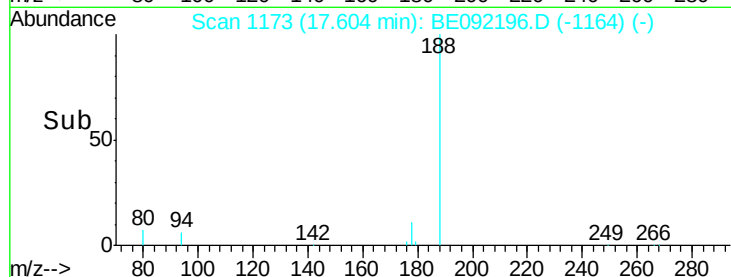
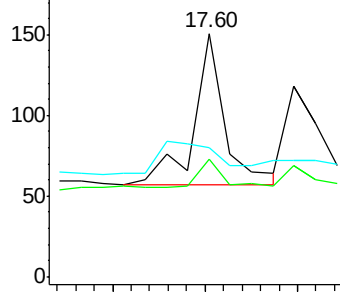
#19
Phenanthrene
Concen: Below Cal
RT: 17.60 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion:178 Resp: 220
Ion Ratio Lower Upper
178 100
176 15.9 15.4 23.0
179 0.0 12.7 19.1#

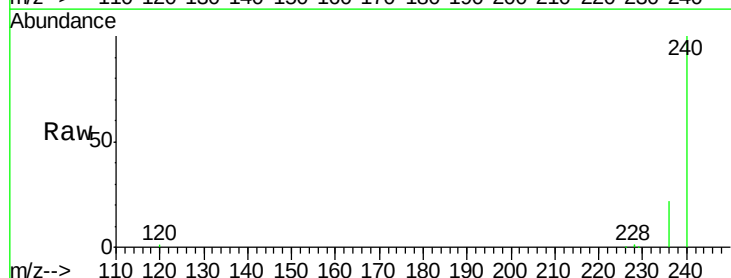


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

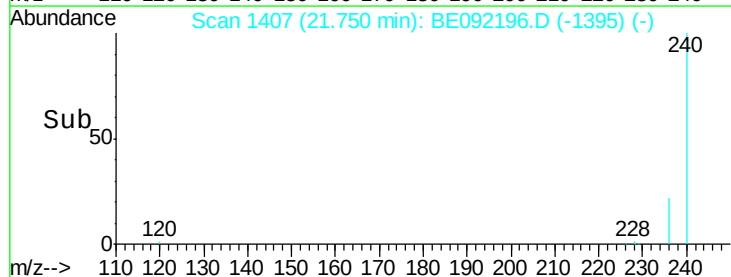
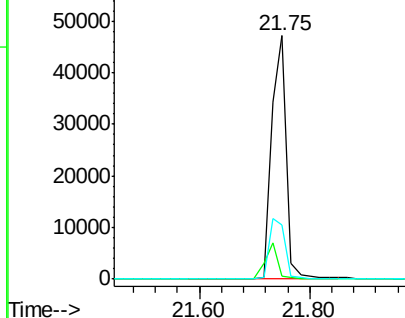


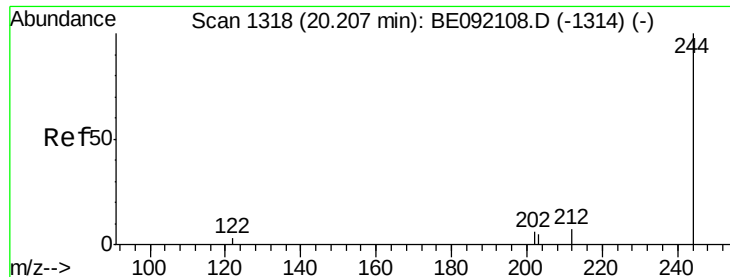
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion:240 Resp: 88172
Ion Ratio Lower Upper
240 100
120 1.3 0.6 1.0#
236 22.4 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: 4.07 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092196.D

Acq: 4 Aug 2016 23:40

Instrument :

BNA_E

ClientSampleId :

GW-55-15.2-19.0

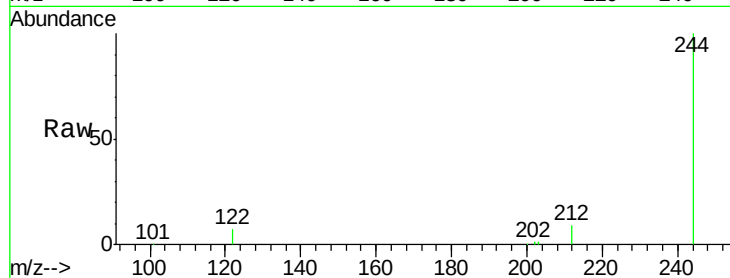
Tgt Ion:244 Resp: 51514

Ion Ratio Lower Upper

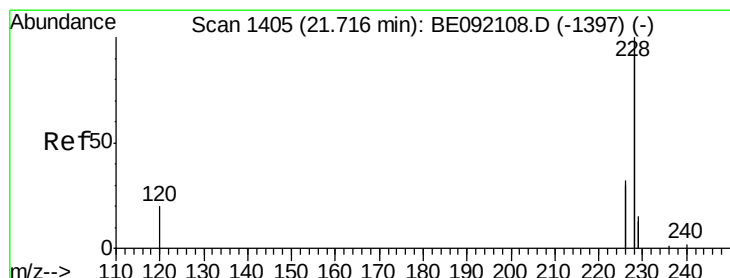
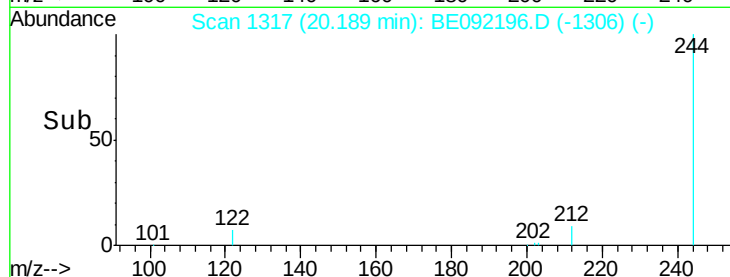
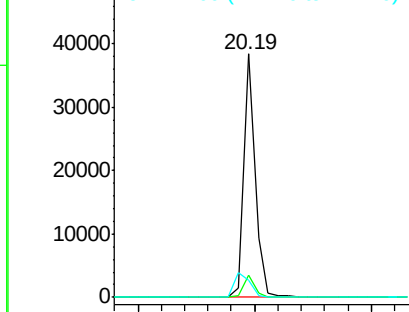
244 100

212 8.9 9.1 13.7#

122 7.0 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: BE092196.D

Acq: 4 Aug 2016 23:40

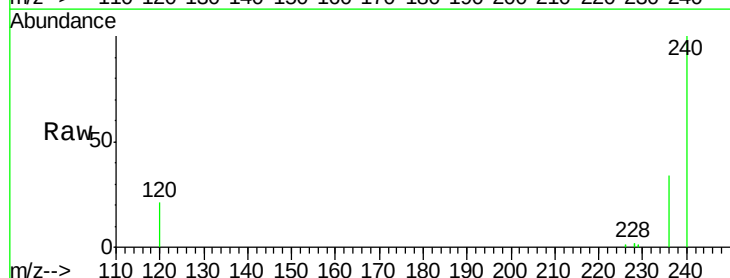
Tgt Ion:228 Resp: 2639

Ion Ratio Lower Upper

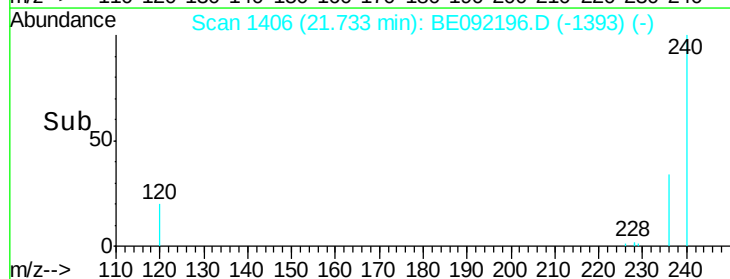
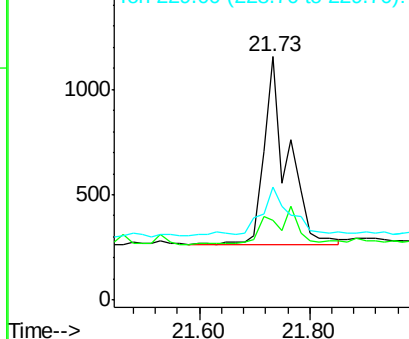
228 100

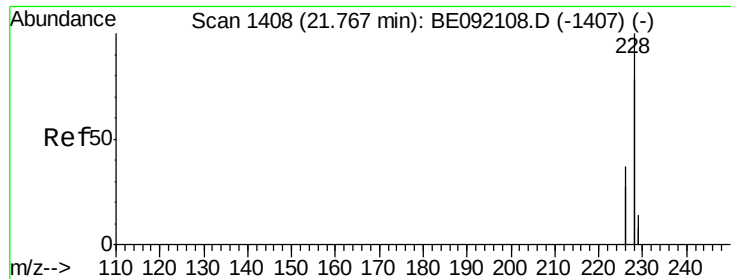
226 32.9 22.1 33.1

229 46.5 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

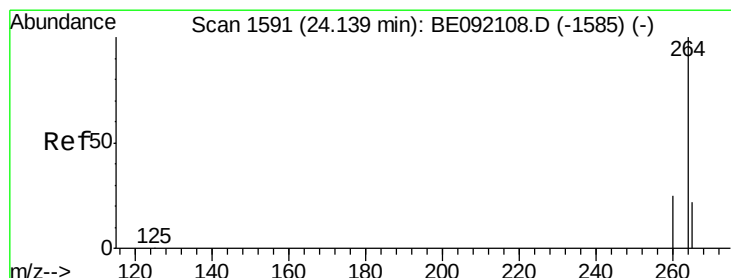
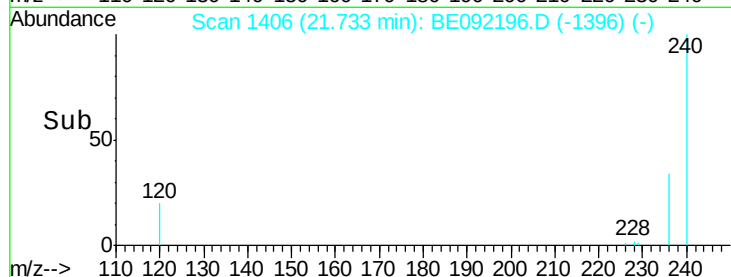
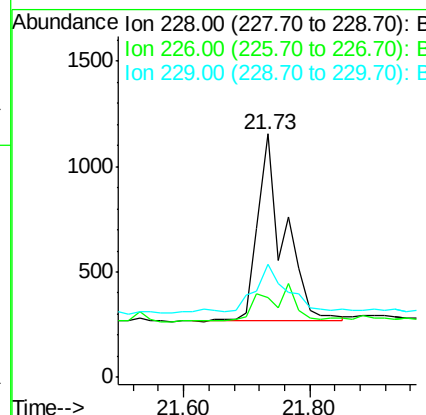
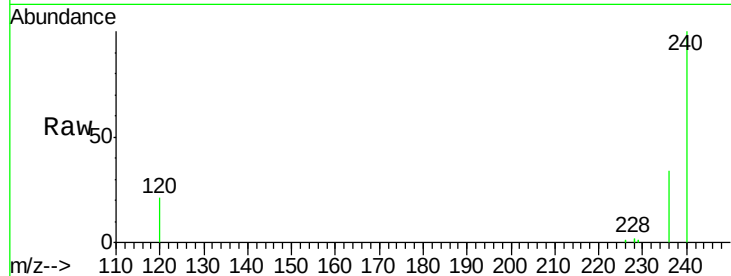




#26
Chrysene
Concen: 0.03 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.03 min
Lab File: BE092196.D
Acq: 4 Aug 2016 23:40

Instrument :
BNA_E
ClientSampleId :
GW-55-15.2-19.0

Tgt Ion: 228 Resp: 2574
Ion Ratio Lower Upper
228 100
226 32.9 22.3 33.5
229 46.5 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: BE092196.D
Acq: 4 Aug 2016 23:40

Tgt Ion: 264 Resp: 87943
Ion Ratio Lower Upper
264 100
260 24.4 20.8 31.2
265 22.7 16.6 25.0

