

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
 Data File : BE092186.D
 Acq On : 4 Aug 2016 17:24
 Operator : UM/SJ
 Sample : H4205-07RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Aug 05 03:13:17 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	13617	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	60141	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	32164	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	68059	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	83766	5.00	ng	0.00
28) Perylene-d12	24.14	264	89559	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	27155	7.77	ng	0.00
5) Phenol-d6	7.34	99	23561	5.06	ng	-0.01
7) Nitrobenzene-d5	9.34	82	30025	6.33	ng	-0.01
11) 2,4,6-Tribromophenol	16.32	330	14920	14.29	ng	-0.01
12) 2-Fluorobiphenyl	13.46	172	63630	6.24	ng	0.00
24) Terphenyl-d14	20.19	244	84637	7.04	ng	-0.02

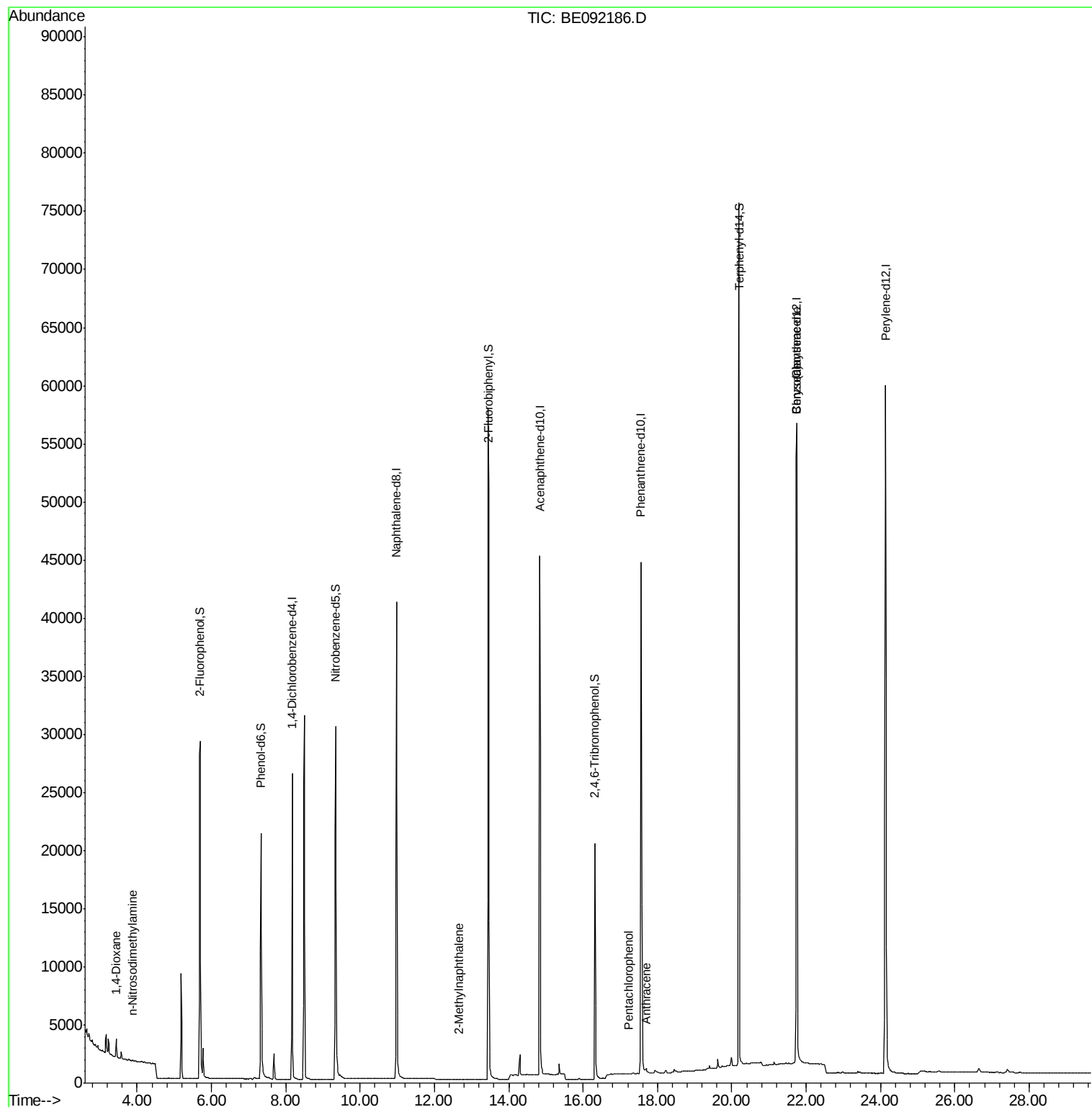
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	937	0.51	ng	# 70
3) n-Nitrosodimethylamine	3.87	42	84	0.12	ng	# 16
9) 2-Methylnaphthalene	12.65	142	69	0.02	ng	# 56
18) Pentachlorophenol	17.24	266	23	0.21	ng	# 76
19) Phenanthrene	17.60	178	446	Below Cal		# 69
20) Anthracene	17.70	178	503	0.03	ng	99
25) Benzo(a)anthracene	21.73	228	2907	0.03	ng	# 53
26) Chrysene	21.73	228	2958	0.03	ng	# 56
30) Benzo(k)fluoranthene	23.45	252	186	Below Cal		# 1

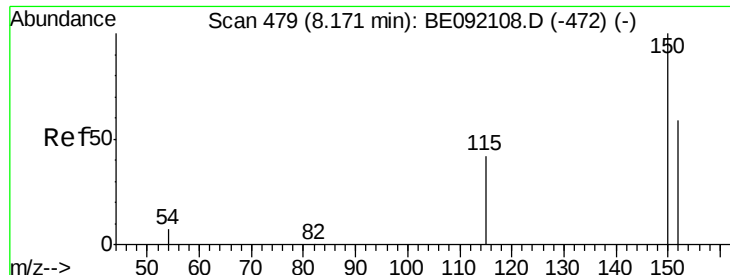
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080416\
Data File : BE092186.D
Acq On : 4 Aug 2016 17:24
Operator : UM/SJ
Sample : H4205-07RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Aug 05 03:13:17 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: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

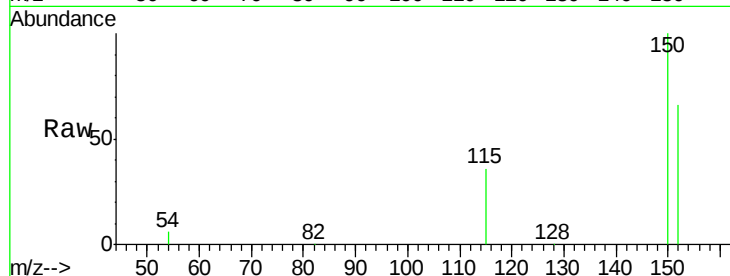
Tgt Ion:152 Resp: 13617

Ion Ratio Lower Upper

152 100

150 152.6 106.0 159.0

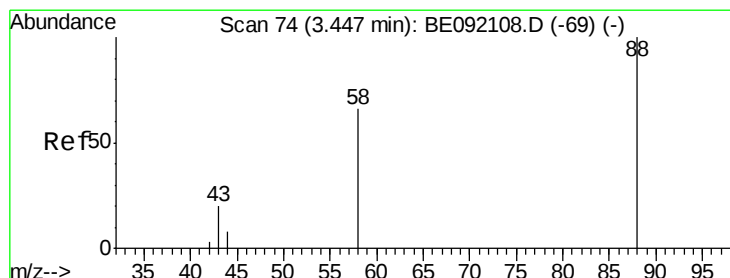
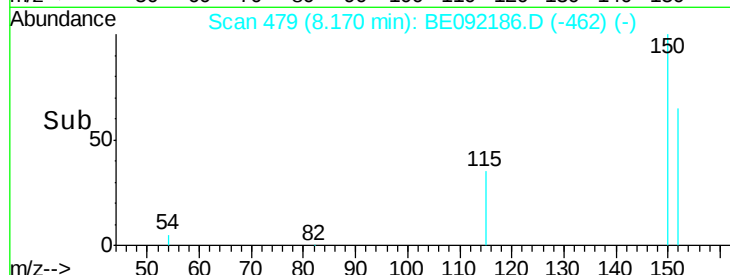
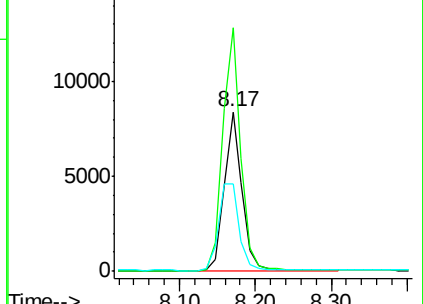
115 54.5 36.9 55.3



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: 0.51 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

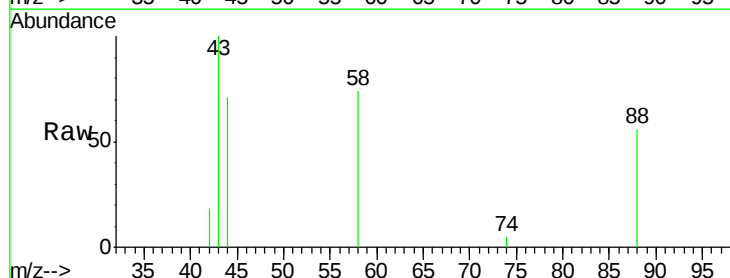
Tgt Ion: 88 Resp: 937

Ion Ratio Lower Upper

88 100

58 93.7 62.1 93.1#

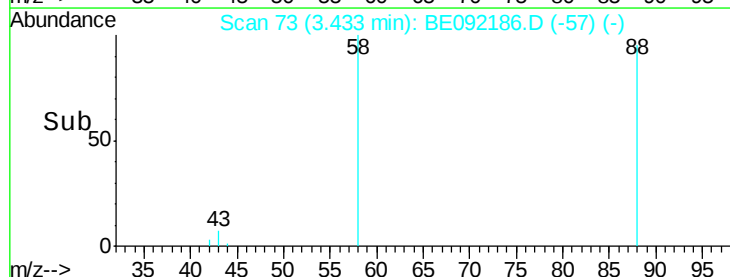
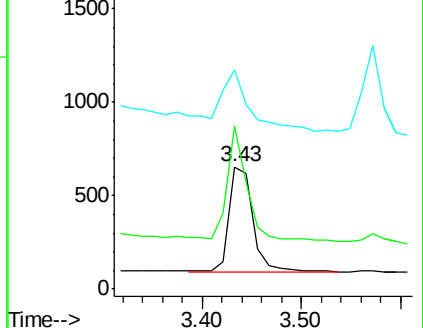
43 66.2 27.2 40.8#

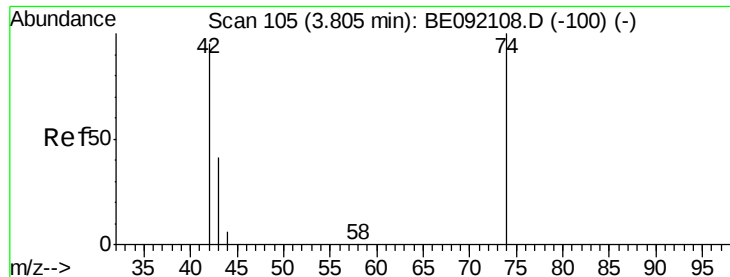


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.87 min Scan# 111

Delta R.T. 0.07 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

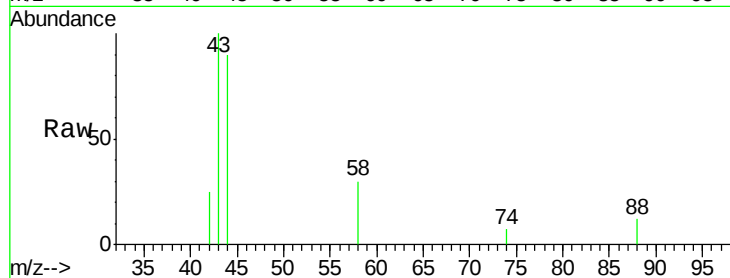
Tgt Ion: 42 Resp: 84

Ion Ratio Lower Upper

42 100

74 11.9 82.8 124.2#

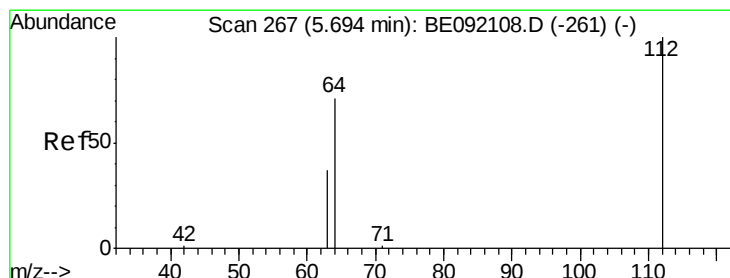
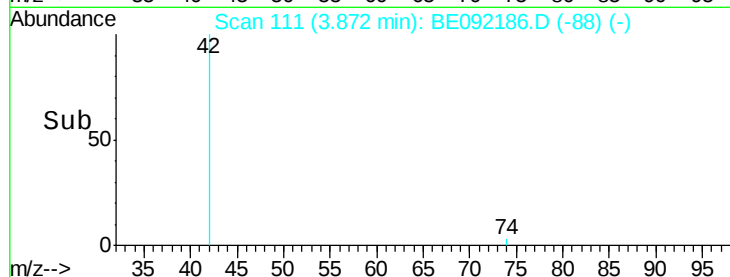
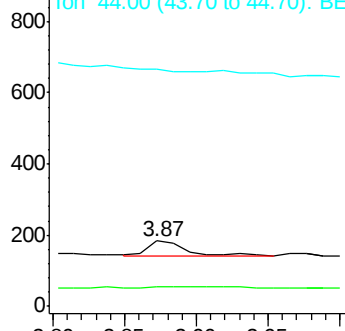
44 0.0 9.0 13.4#



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: 7.77 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

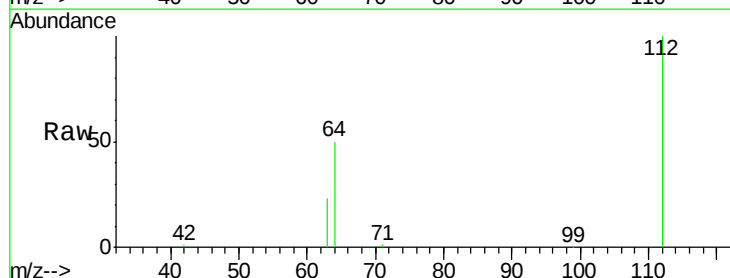
Tgt Ion: 112 Resp: 27155

Ion Ratio Lower Upper

112 100

64 67.4 55.9 83.9

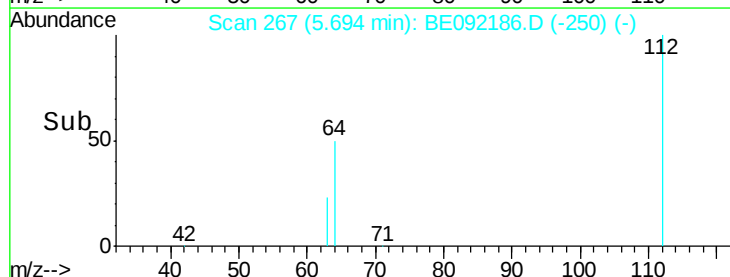
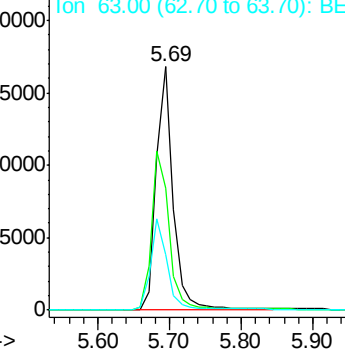
63 36.6 31.1 46.7



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: 5.06 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

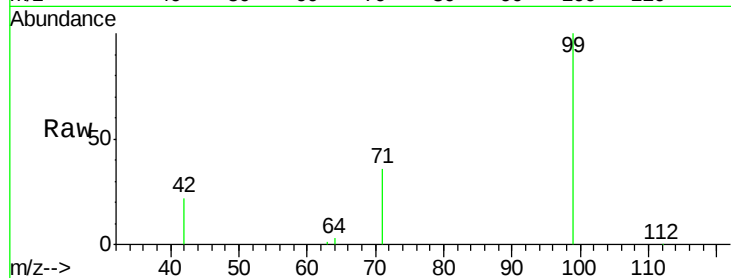
Tgt Ion: 99 Resp: 23561

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

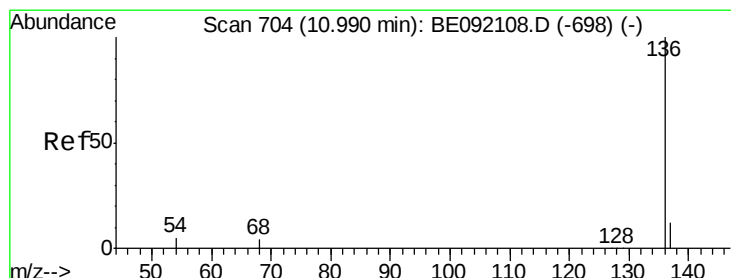
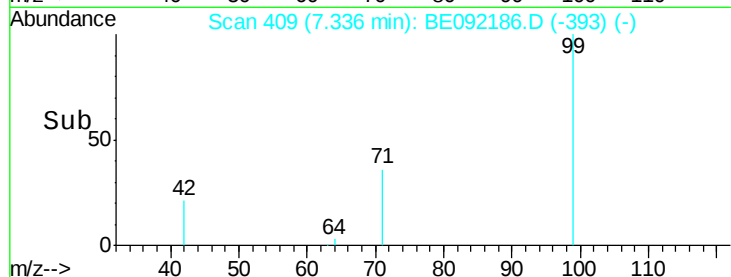
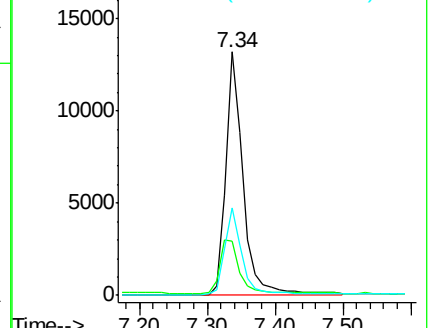
71 35.5 28.9 43.3



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) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Tgt Ion: 136 Resp: 60141

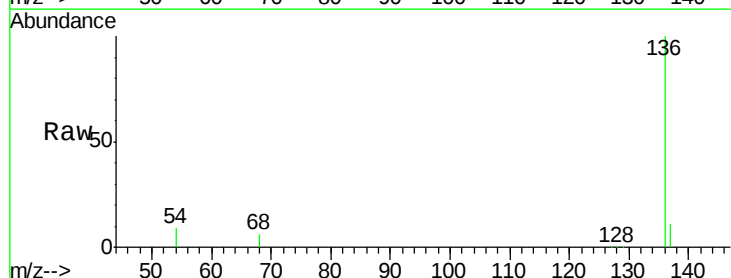
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.9 2.7 4.1#

68 6.4 2.2 3.4#

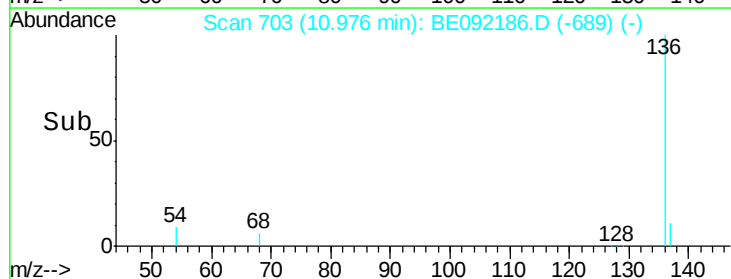
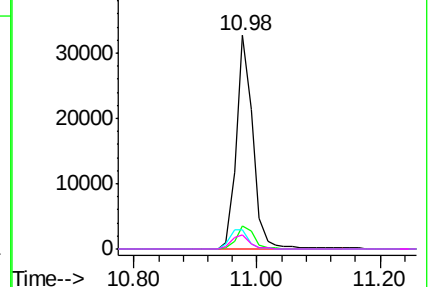


Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 6.33 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

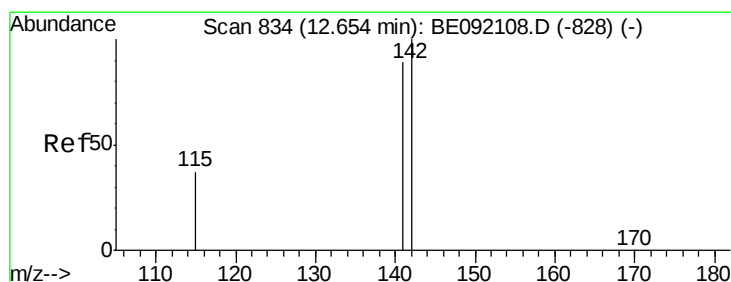
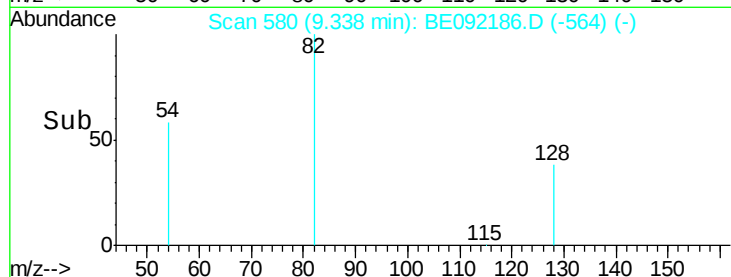
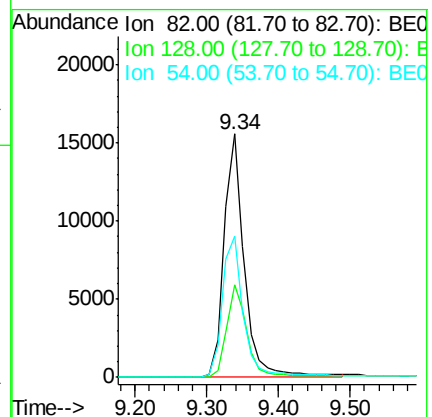
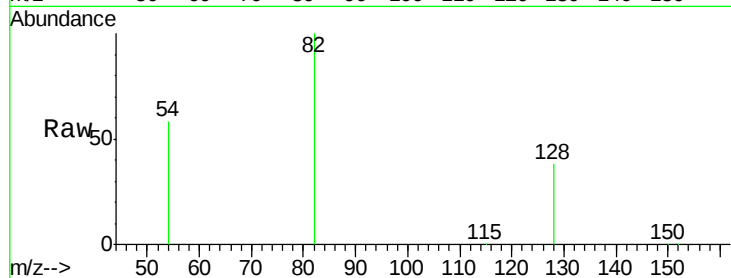
Tgt Ion: 82 Resp: 30025

Ion Ratio Lower Upper

82 100

128 37.8 33.0 49.4

54 58.1 42.6 63.8



#9

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

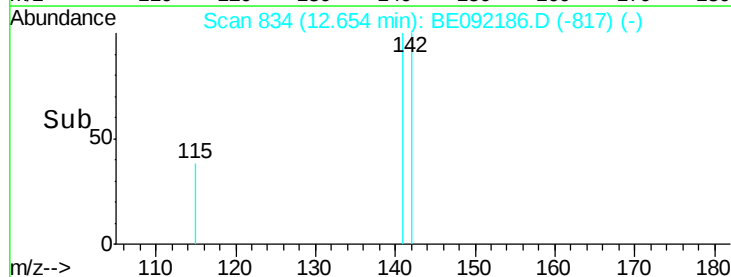
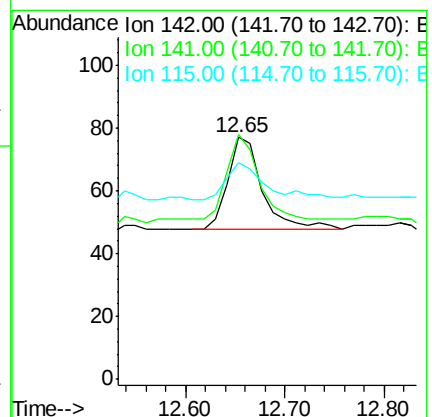
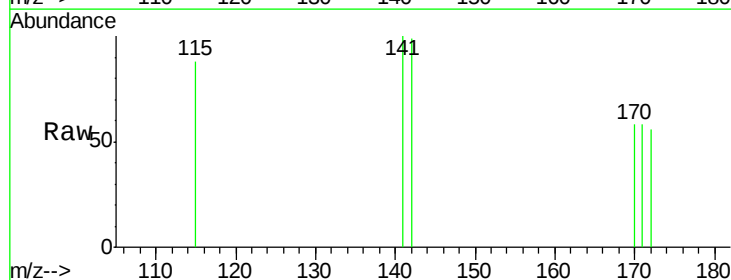
Tgt Ion: 142 Resp: 69

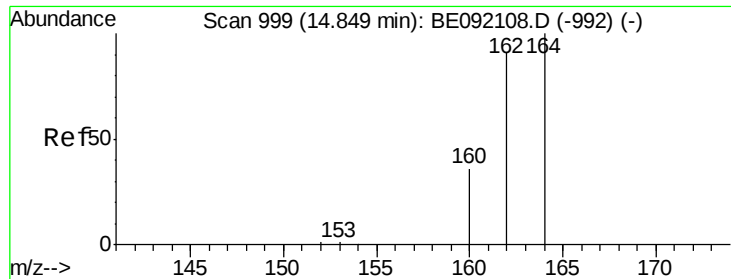
Ion Ratio Lower Upper

142 100

141 101.3 65.1 97.7#

115 89.6 27.0 40.4#





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

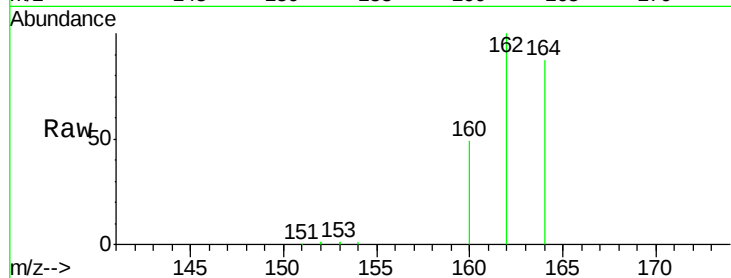
Tgt Ion:164 Resp: 32164

Ion Ratio Lower Upper

164 100

162 115.0 69.5 104.3#

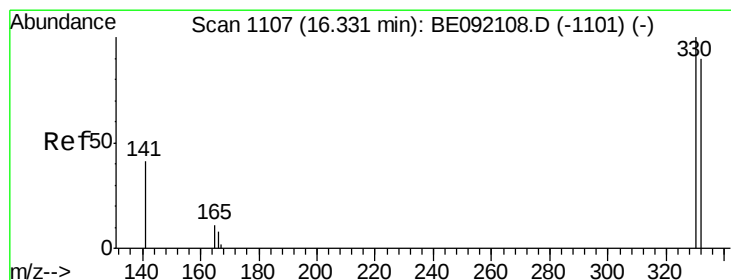
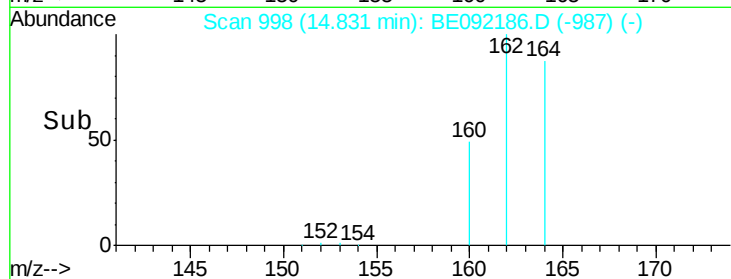
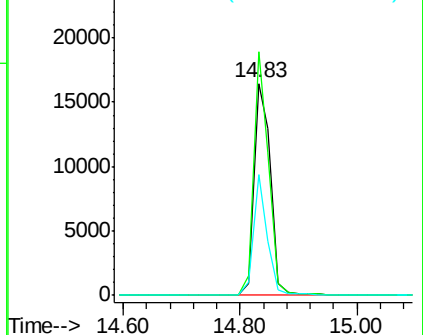
160 56.8 27.6 41.4#



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: 14.29 ng

RT: 16.32 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

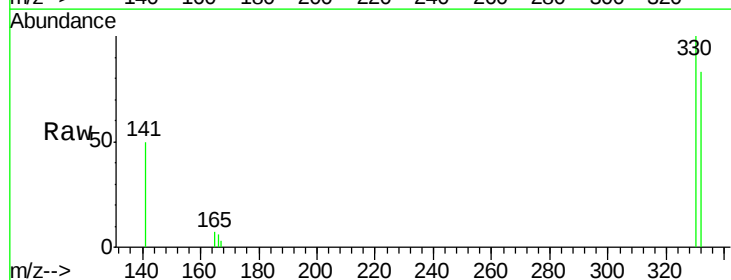
Tgt Ion:330 Resp: 14920

Ion Ratio Lower Upper

330 100

332 96.6 74.2 111.4

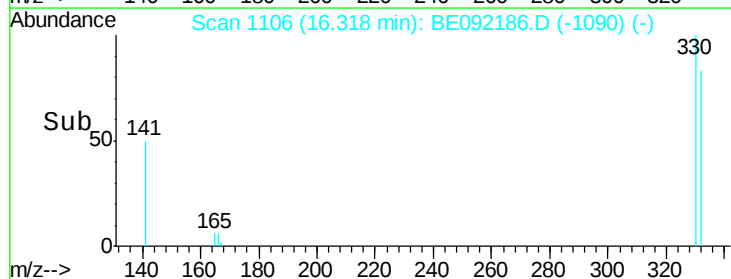
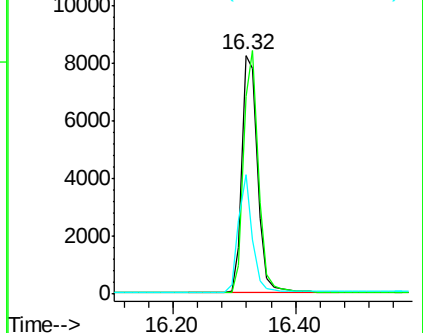
141 43.9 139.8 209.8#

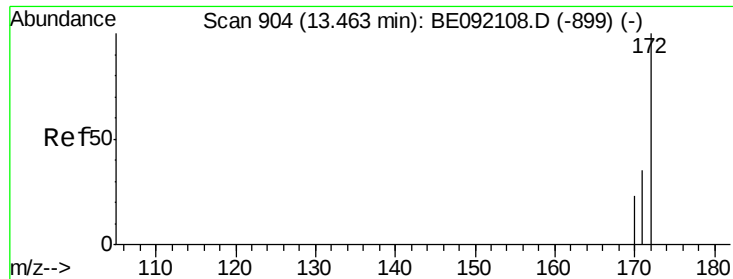


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

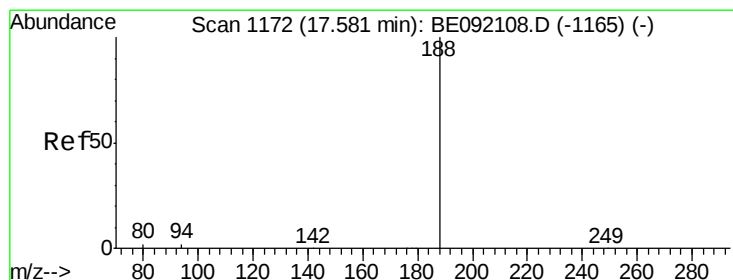
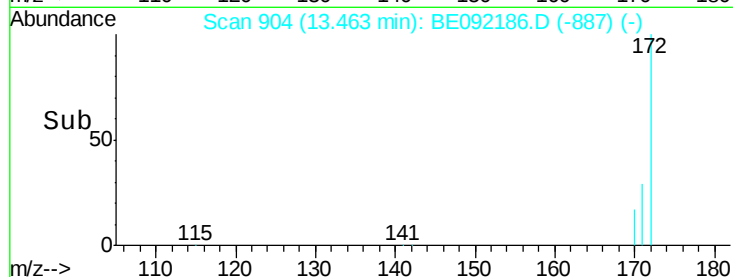
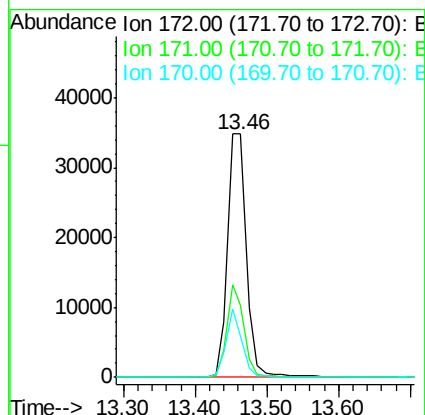
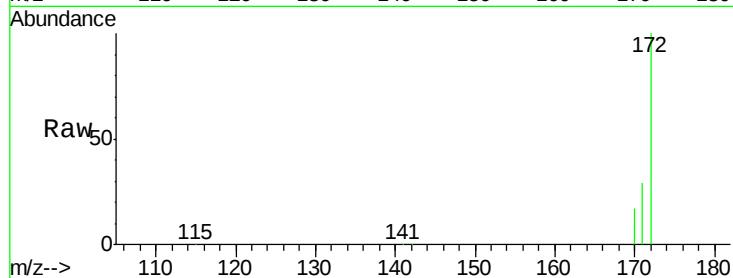




#12
2-Fluorobiphenyl
Concen: 6.24 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092186.D
Acq: 4 Aug 2016 17:24

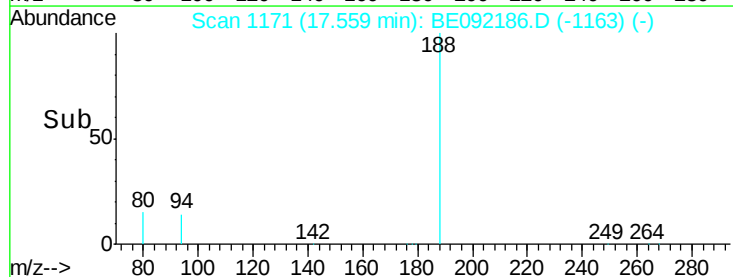
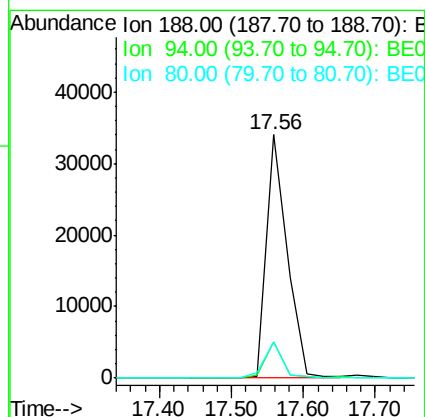
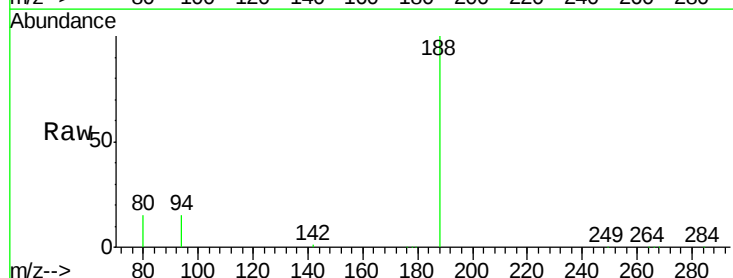
Instrument :
BNA_E
ClientSampleId :
GW-40-5.0-15.0

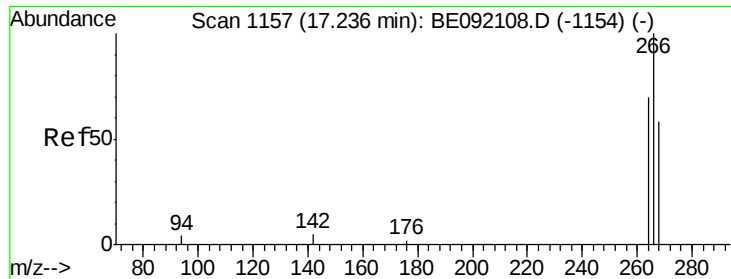
Tgt Ion:172 Resp: 63630
Ion Ratio Lower Upper
172 100
171 29.4 30.3 45.5#
170 17.0 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092186.D
Acq: 4 Aug 2016 17:24

Tgt Ion:188 Resp: 68059
Ion Ratio Lower Upper
188 100
94 14.7 3.9 5.9#
80 14.8 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.21 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

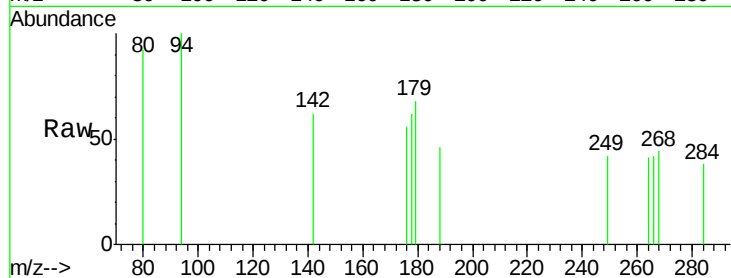
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

268 104.0 62.7 94.1#

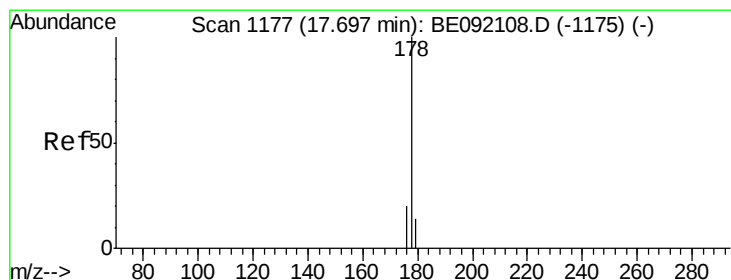
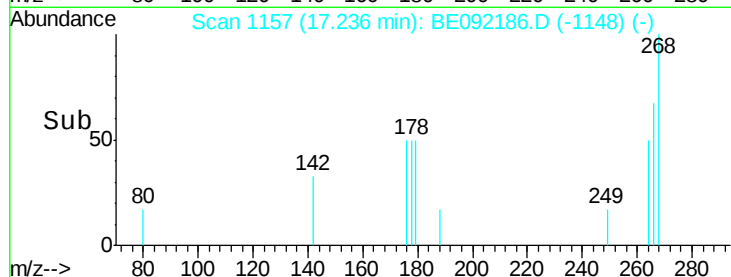
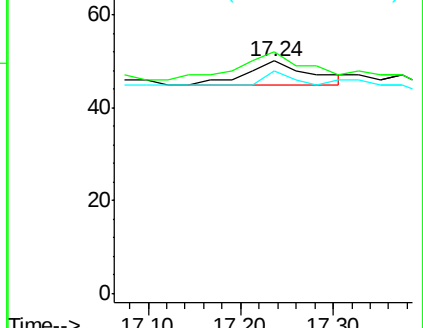
264 96.0 63.5 95.3#



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: 0.03 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

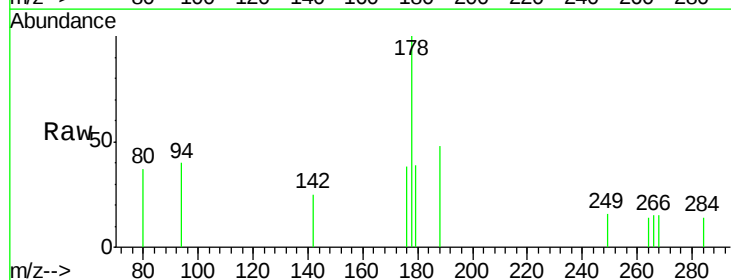
Tgt Ion:178 Resp: 503

Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

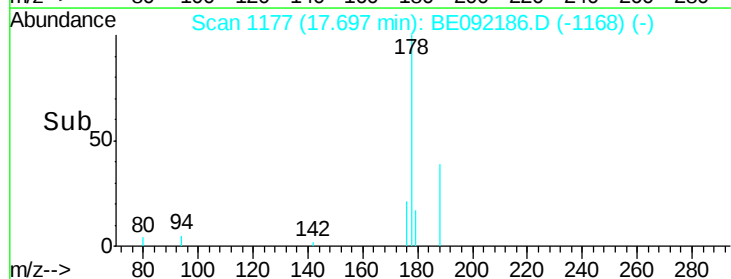
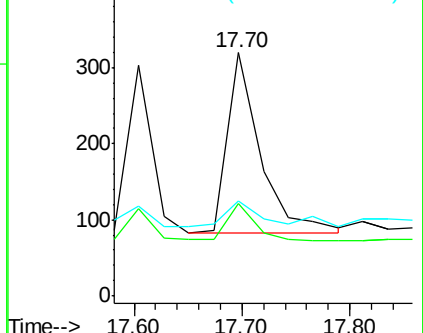
179 14.5 12.2 18.4

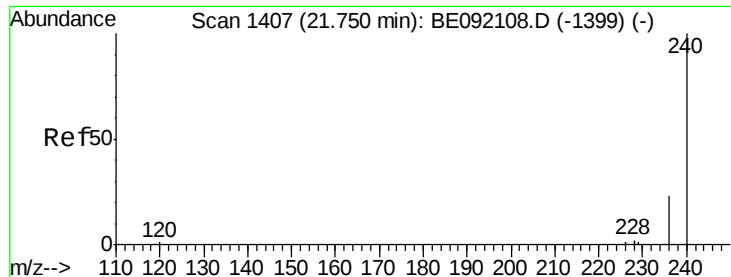


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

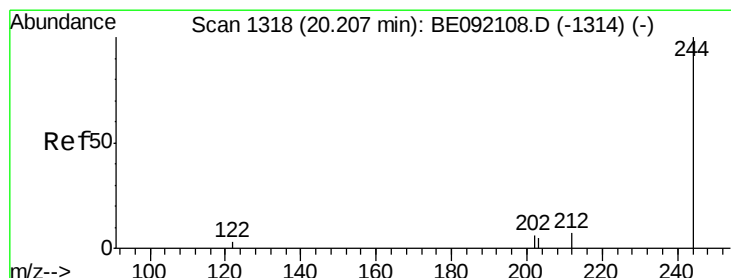
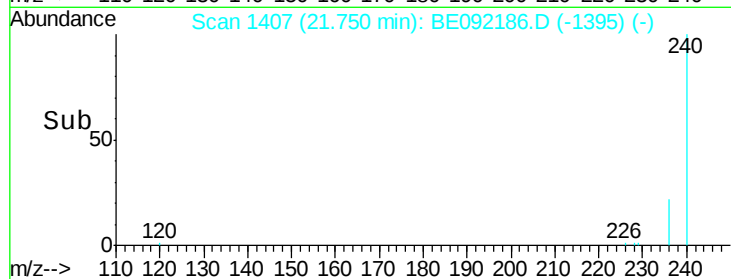
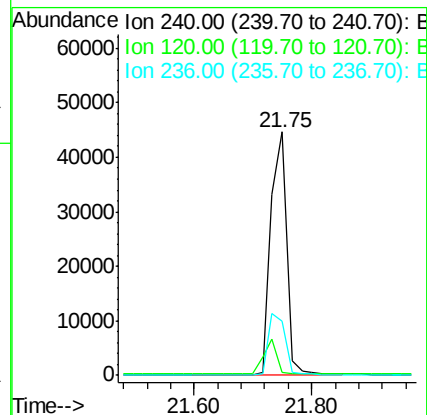
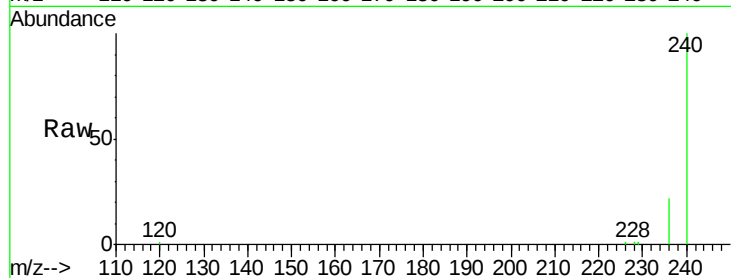
Tgt Ion:240 Resp: 83766

Ion Ratio Lower Upper

240 100

120 1.5 0.6 1.0#

236 22.0 18.2 27.4



#24

Terphenyl-d14

Concen: 7.04 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

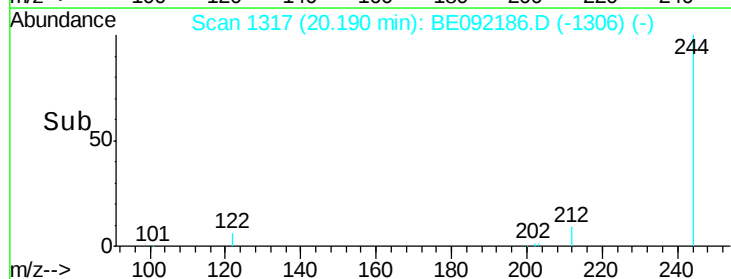
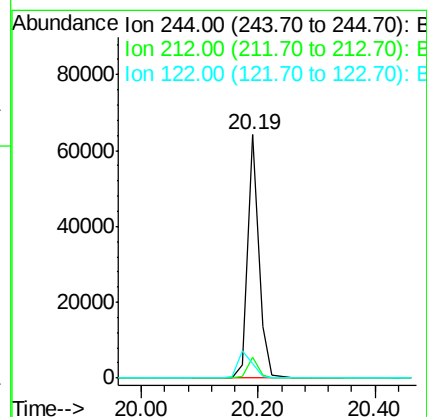
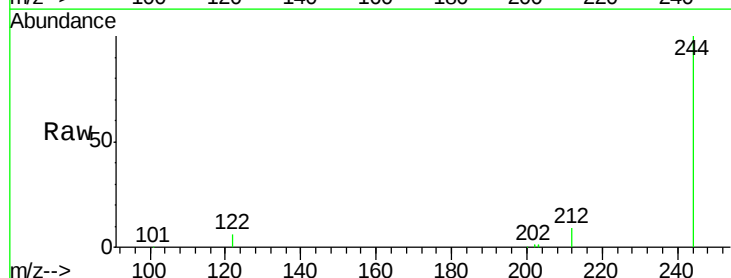
Tgt Ion:244 Resp: 84637

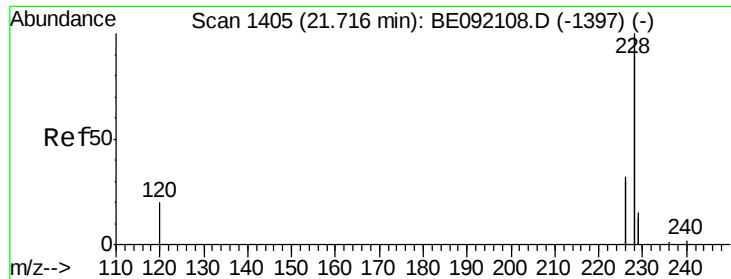
Ion Ratio Lower Upper

244 100

212 8.7 9.1 13.7#

122 6.1 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: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

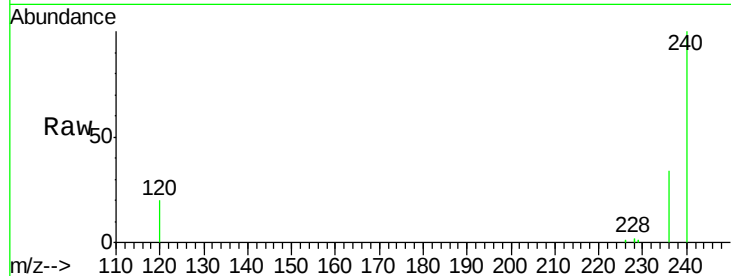
Tgt Ion:228 Resp: 2907

Ion Ratio Lower Upper

228 100

226 38.6 22.1 33.1#

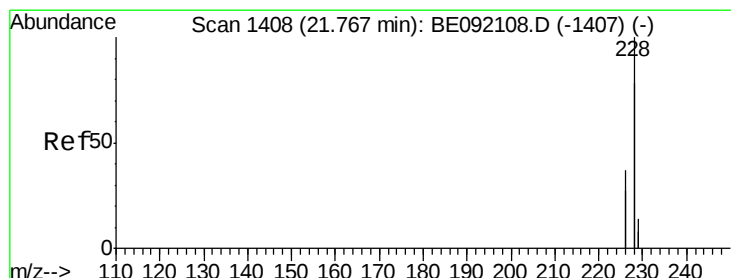
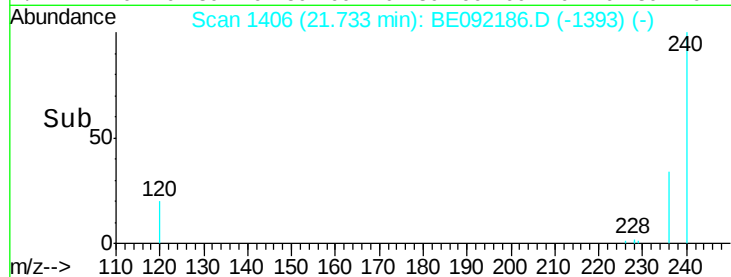
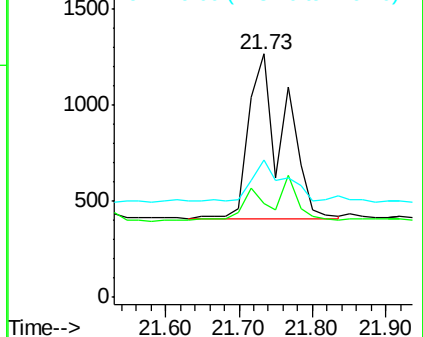
229 56.6 15.1 22.7#



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: BE092186.D

Acq: 4 Aug 2016 17:24

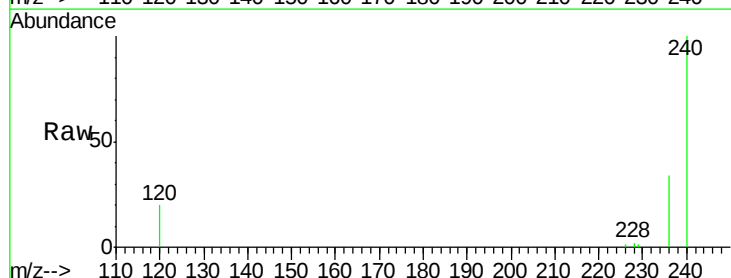
Tgt Ion:228 Resp: 2958

Ion Ratio Lower Upper

228 100

226 38.6 22.3 33.5#

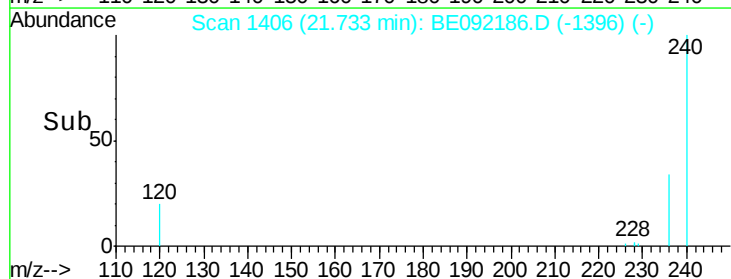
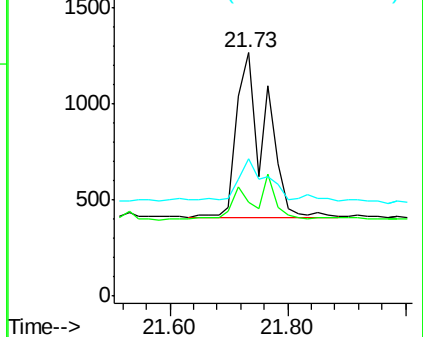
229 56.6 16.9 25.3#

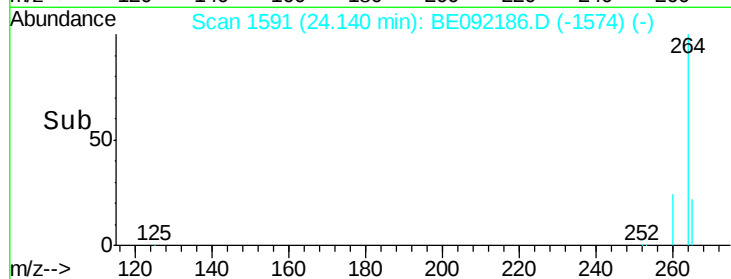
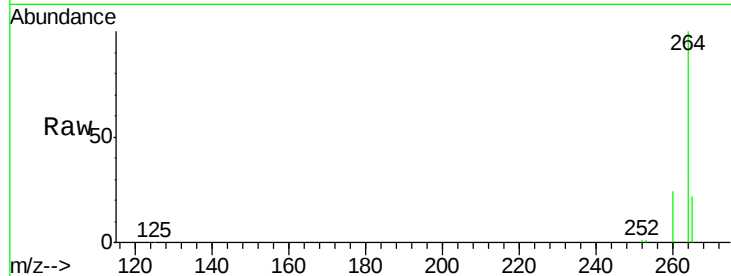
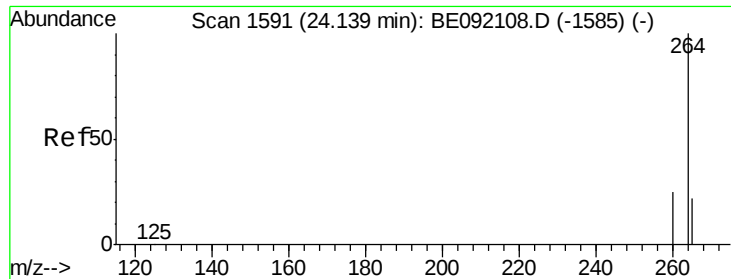


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

Tgt Ion: 264 Resp: 89559

Ion Ratio Lower Upper

264 100

260 24.2 20.8 31.2

265 22.3 16.6 25.0

