

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

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

Quant Time: Aug 05 03:25:24 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

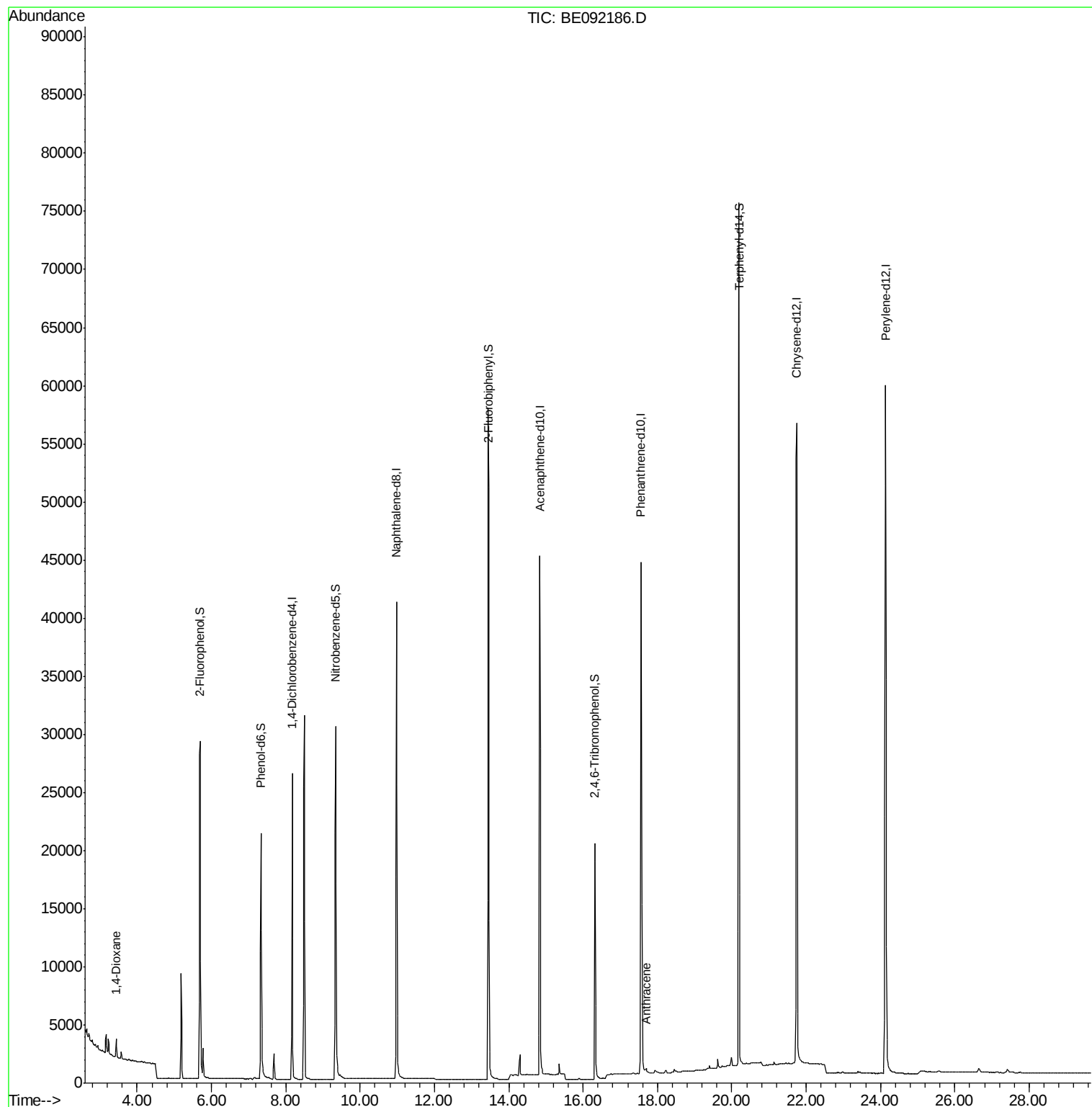
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	13617	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	60141	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	32164	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	68059	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	83766	5.00	ng	0.00
28) Perylene-d12	24.14	264	89559	5.00	ng	0.00
System Monitoring Compounds						
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						
2) 1,4-Dioxane	3.43	88	937	0.51	ng	Qvalue # 70
20) Anthracene	17.70	178	503	0.03	ng	99

(#) = 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: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

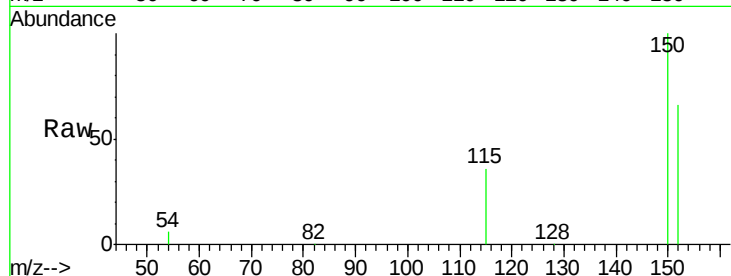
Tgt Ion:152 Resp: 13617

Ion Ratio Lower Upper

152 100

150 152.6 106.0 159.0

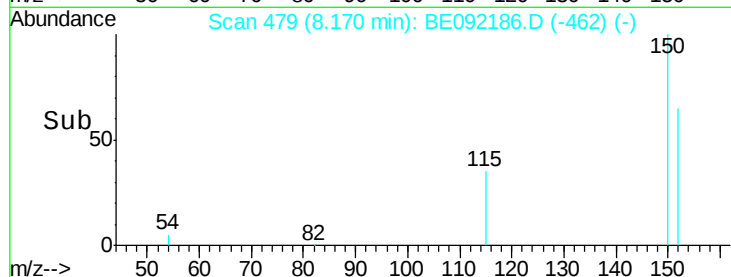
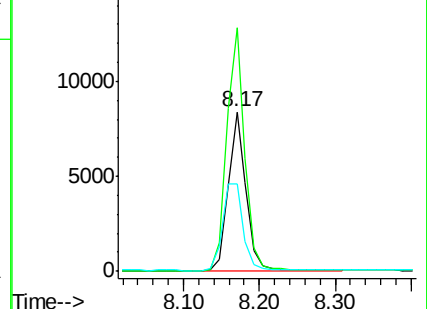
115 54.5 36.9 55.3



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

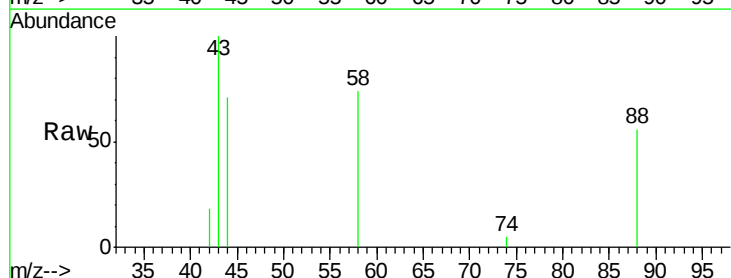
Tgt Ion: 88 Resp: 937

Ion Ratio Lower Upper

88 100

58 93.7 62.1 93.1#

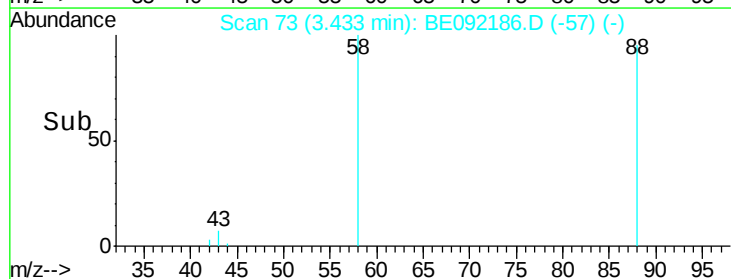
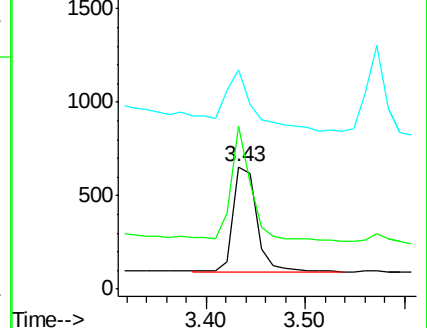
43 66.2 27.2 40.8#

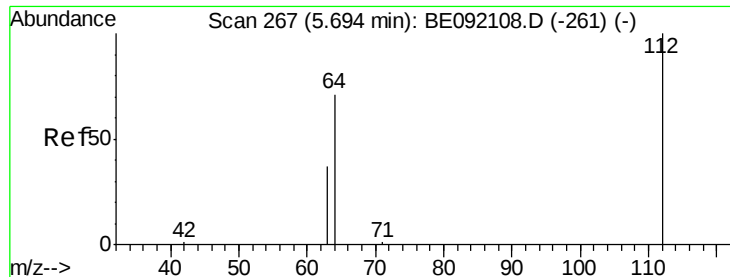


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#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

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

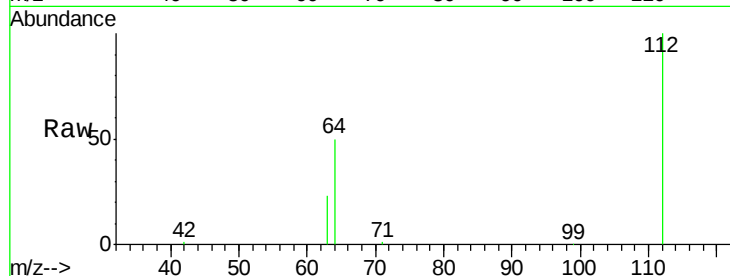
Tgt Ion: 112 Resp: 27155

Ion Ratio Lower Upper

112 100

64 67.4 55.9 83.9

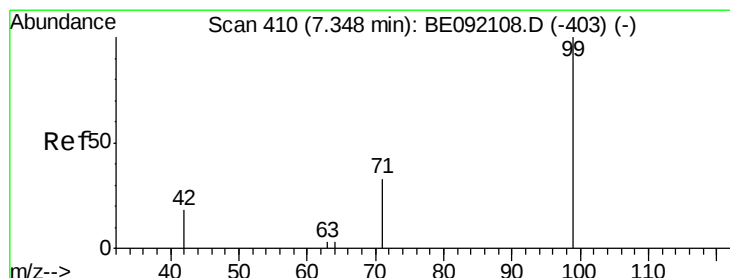
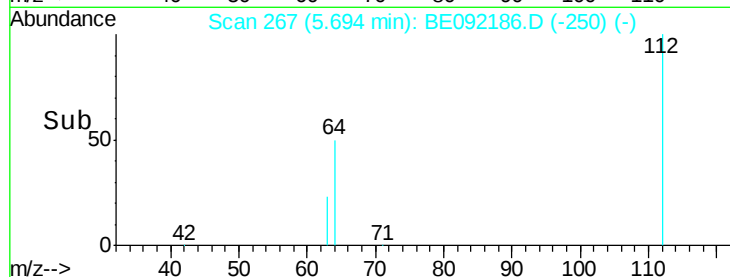
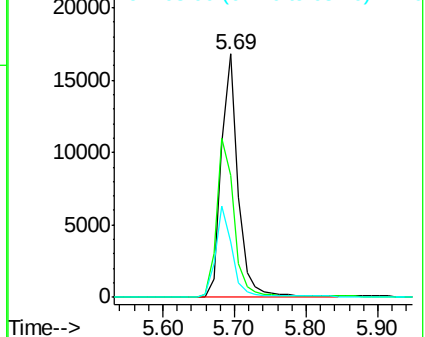
63 36.6 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE0

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

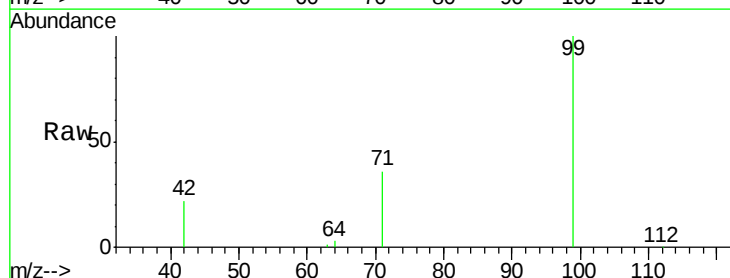
Tgt Ion: 99 Resp: 23561

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

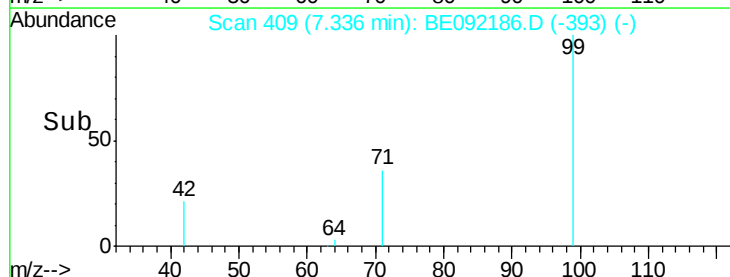
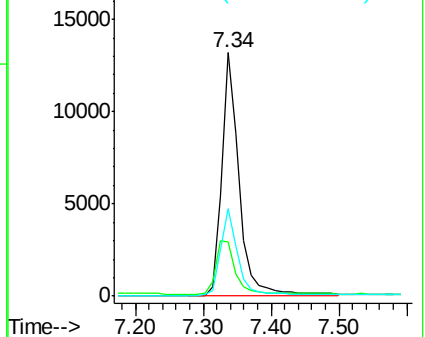
71 35.5 28.9 43.3

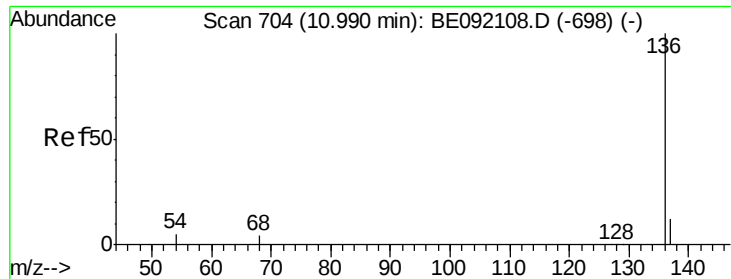


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

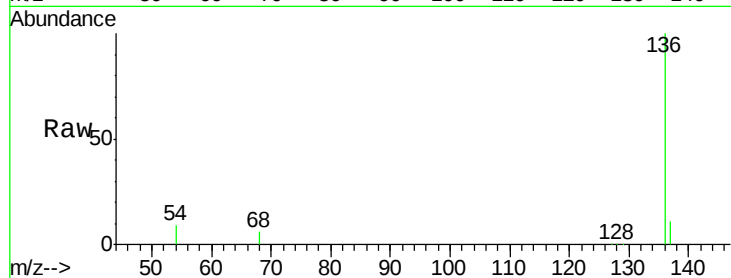




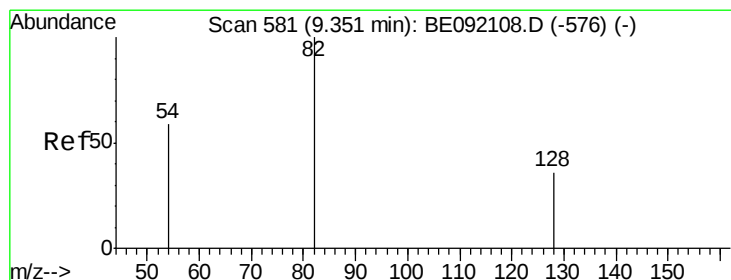
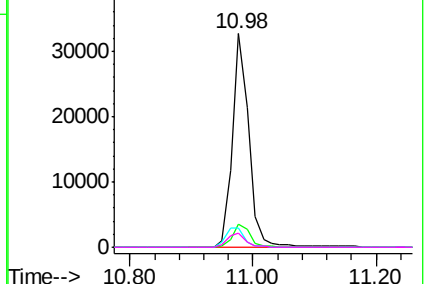
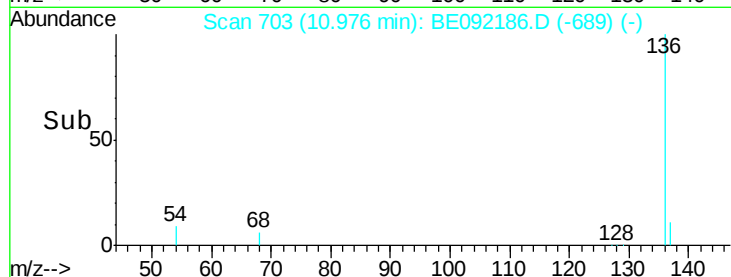
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092186.D
Acq: 4 Aug 2016 17:24

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

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#

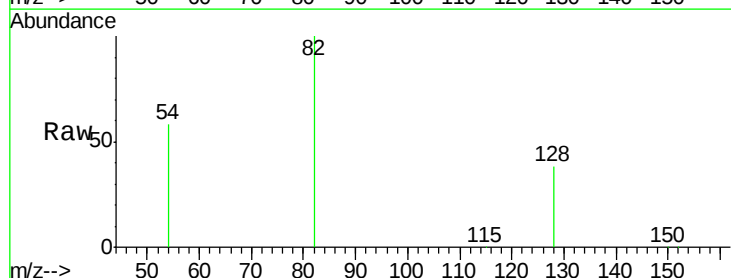


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

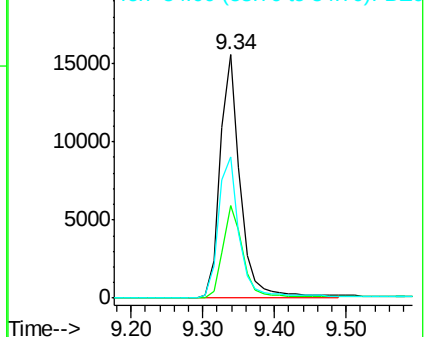
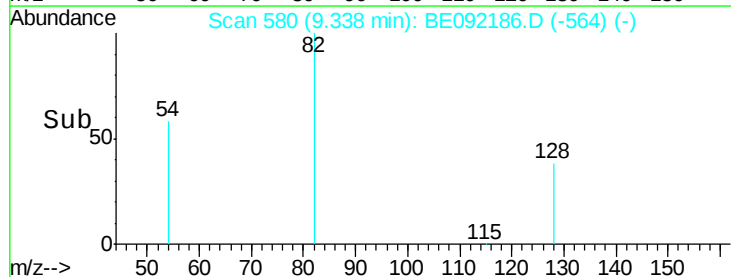


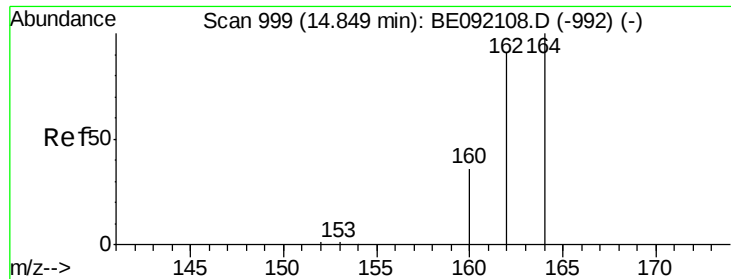
#7
Nitrobenzene-d5
Concen: 6.33 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092186.D
Acq: 4 Aug 2016 17:24

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



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
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: BE092186.D

Acq: 4 Aug 2016 17:24

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

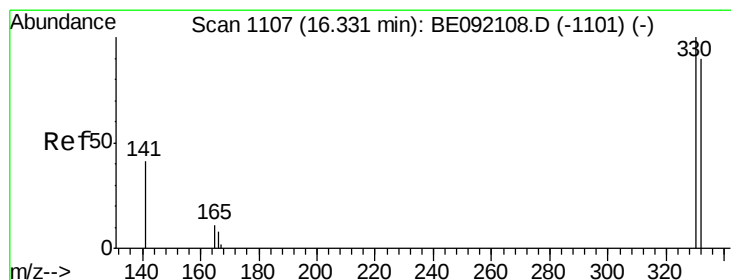
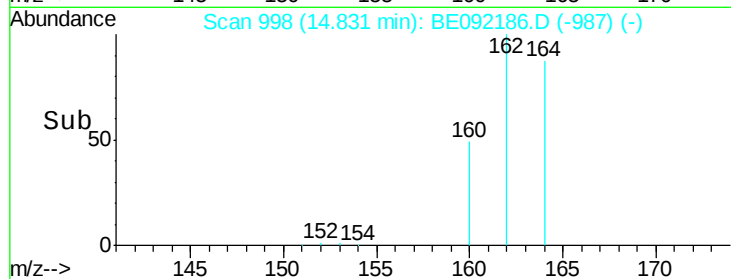
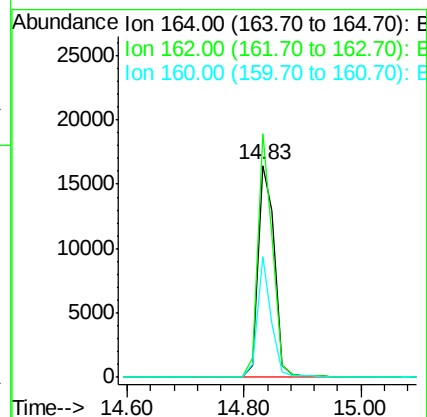
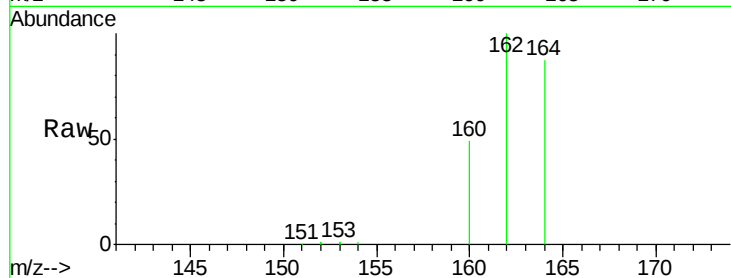
Tgt Ion:164 Resp: 32164

Ion Ratio Lower Upper

164 100

162 115.0 69.5 104.3#

160 56.8 27.6 41.4#



#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

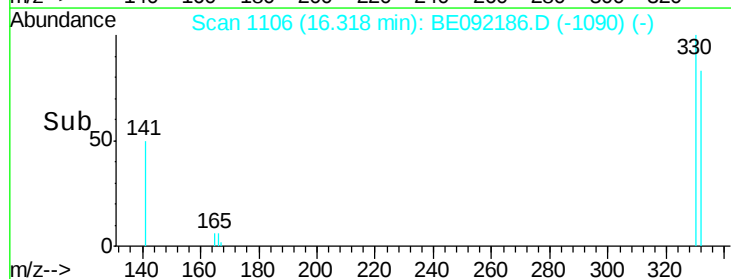
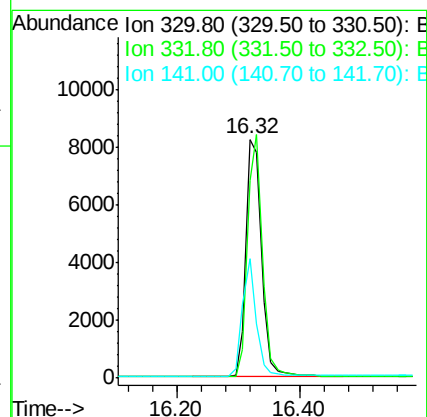
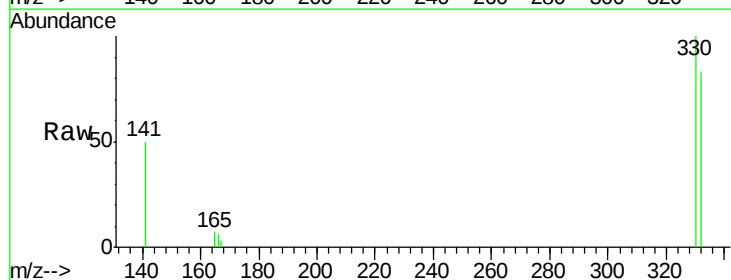
Tgt Ion:330 Resp: 14920

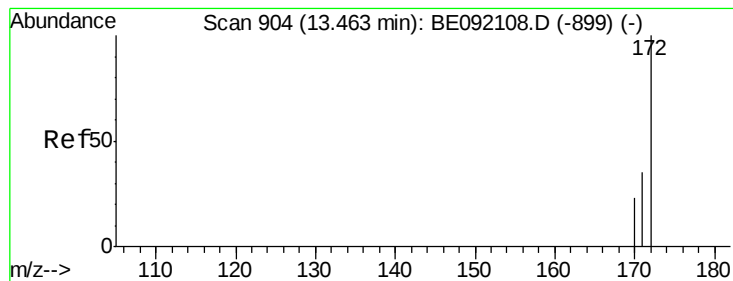
Ion Ratio Lower Upper

330 100

332 96.6 74.2 111.4

141 43.9 139.8 209.8#

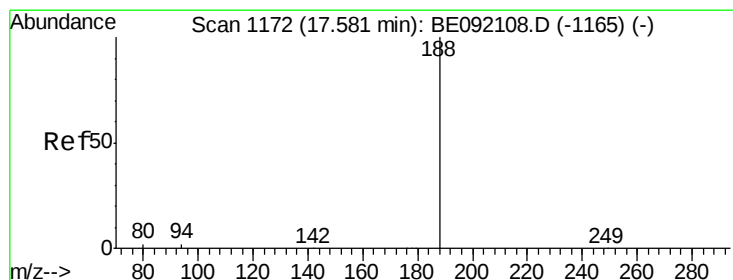
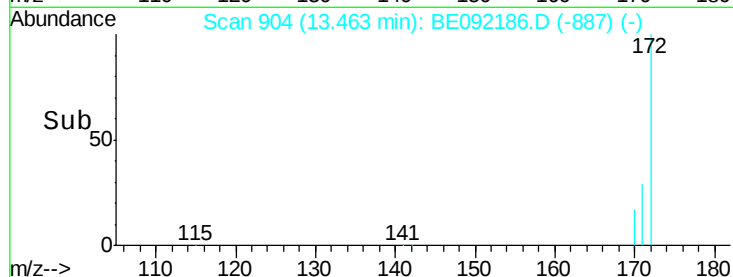
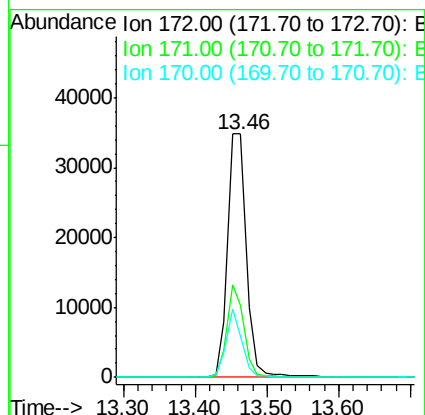
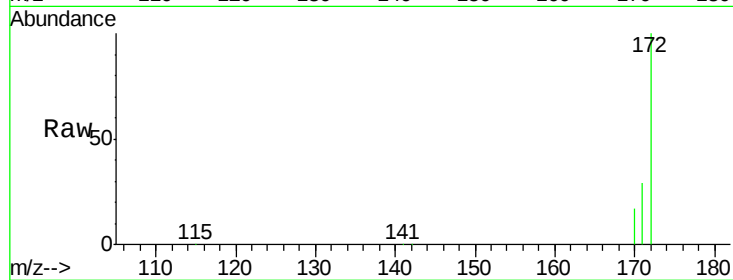




#12
2-Fluorobiphenyl
Concen: 6.24 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092186.D
Acq: 4 Aug 2016 17:24

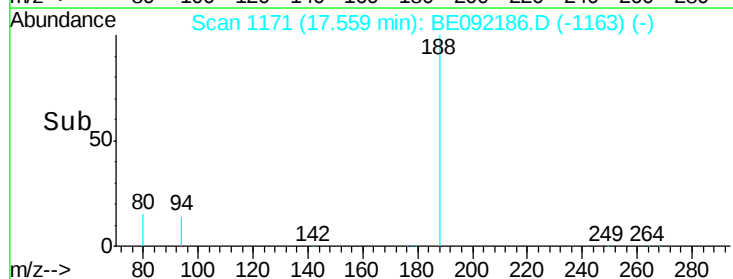
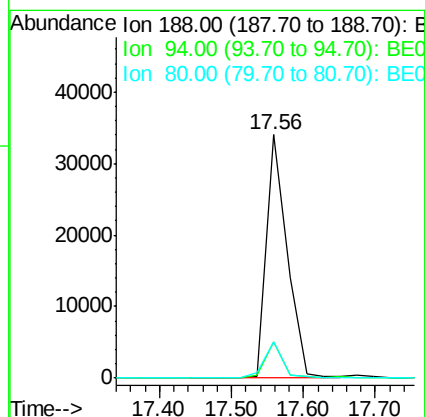
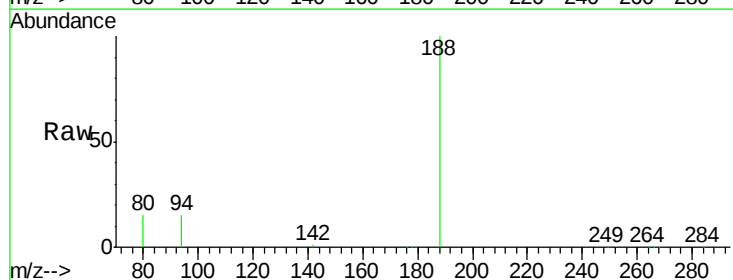
Instrument :
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GW-40-5.0-15.0

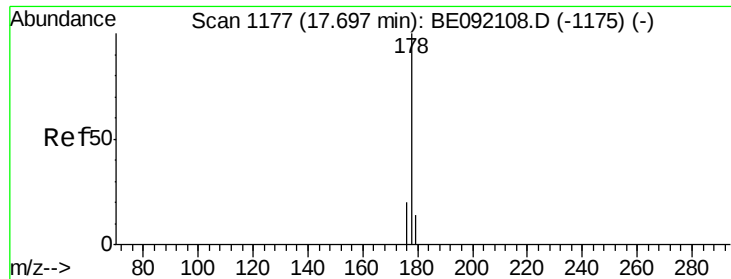
Tgt Ion:172 Resp: 63630
Ion Ratio Lower Upper
172 100
171 29.4 30.3 45.5#
170 17.0 21.6 32.4#



#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#





#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

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

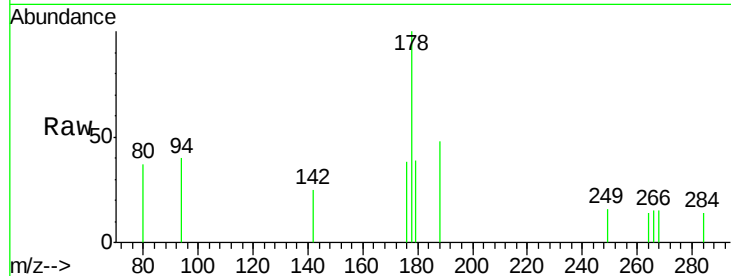
Tgt Ion:178 Resp: 503

Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

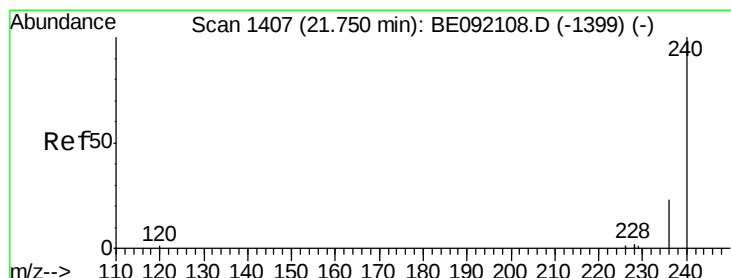
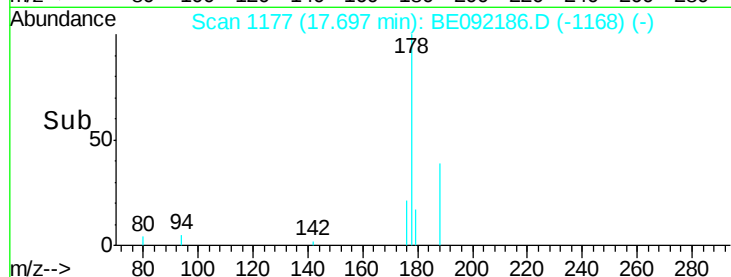
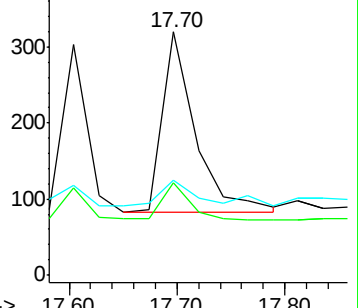
179 14.5 12.2 18.4



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

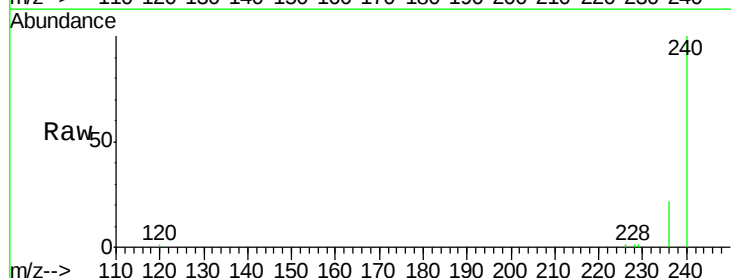
Tgt Ion:240 Resp: 83766

Ion Ratio Lower Upper

240 100

120 1.5 0.6 1.0#

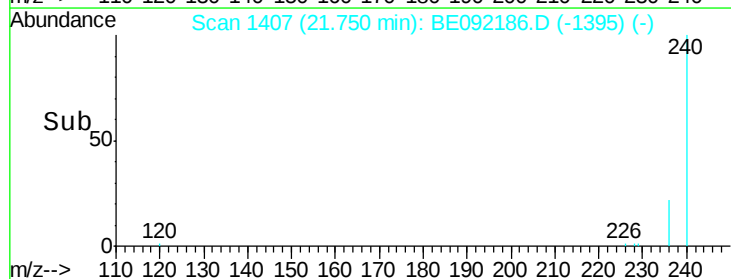
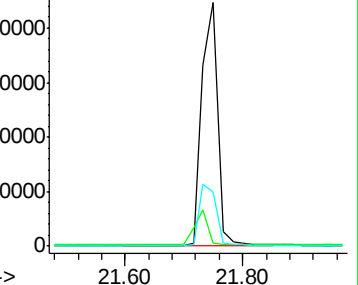
236 22.0 18.2 27.4

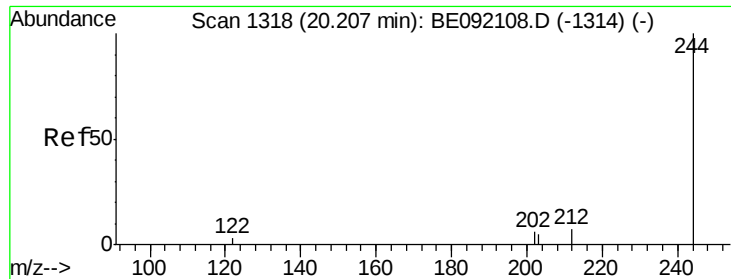


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

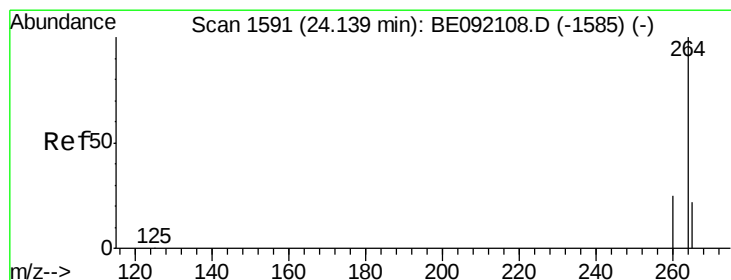
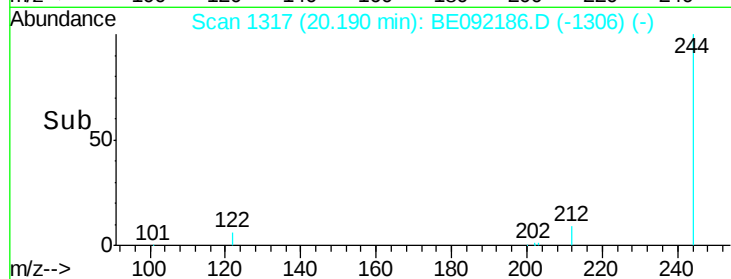
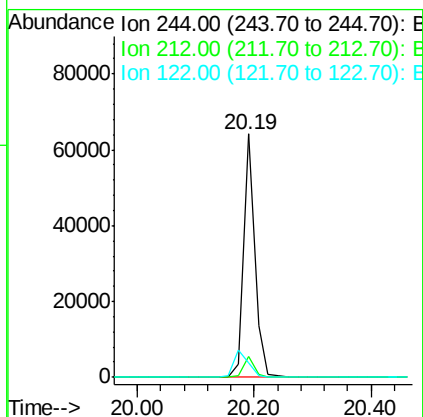
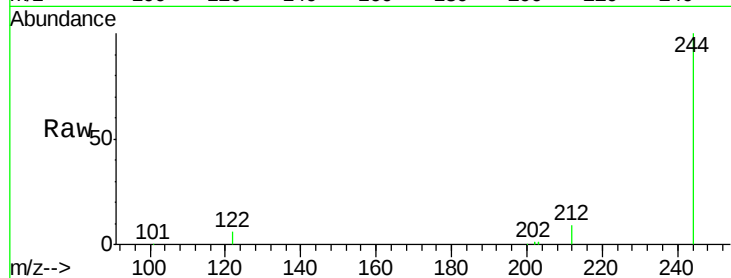




#24
 Terphenyl-d14
 Concen: 7.04 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092186.D
 Acq: 4 Aug 2016 17:24

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

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#



#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

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

