

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092160.D
 Acq On : 4 Aug 2016 00:30
 Operator : UM/SJ
 Sample : H4176-23
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-23-12.0-15.0

Quant Time: Aug 04 13:42:33 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	10127	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	46337	5.00	ng	-0.02
10) Acenaphthene-d10	14.83	164	27455	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	65498	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	84324	5.00	ng	0.00
28) Perylene-d12	24.14	264	83320	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	184011	70.75	ng	0.00
5) Phenol-d6	7.34	99	175097	50.53	ng	-0.01
7) Nitrobenzene-d5	9.34	82	319958	87.51	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	138764	155.65	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	596456	68.56	ng	0.00
24) Terphenyl-d14	20.21	244	800670	66.12	ng	0.00

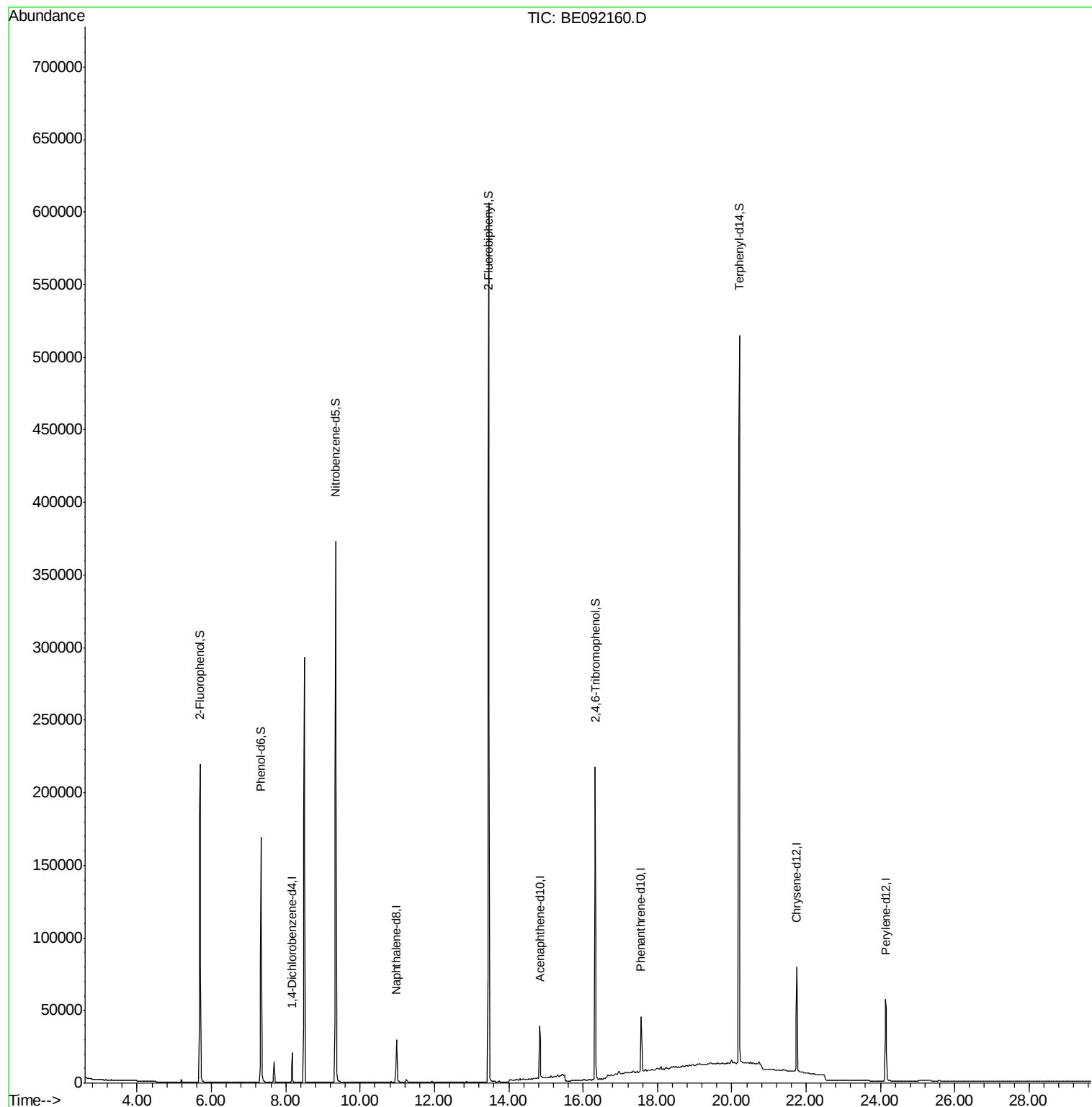
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092160.D

Acq: 4 Aug 2016 00:30

Instrument :

BNA_E

ClientSampleId :

GW-23-12.0-15.0

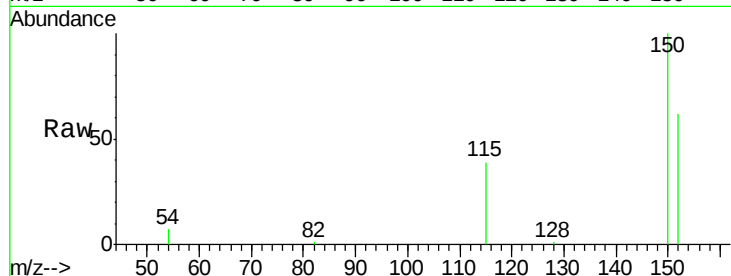
Tgt Ion:152 Resp: 10127

Ion Ratio Lower Upper

152 100

150 161.3 106.0 159.0#

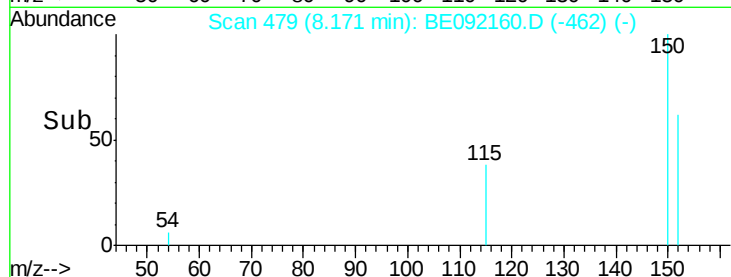
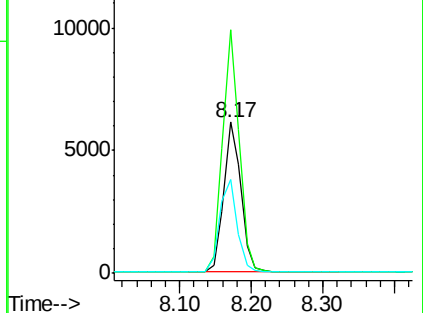
115 62.6 36.9 55.3#



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



#4

2-Fluorophenol

Concen: 70.75 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092160.D

Acq: 4 Aug 2016 00:30

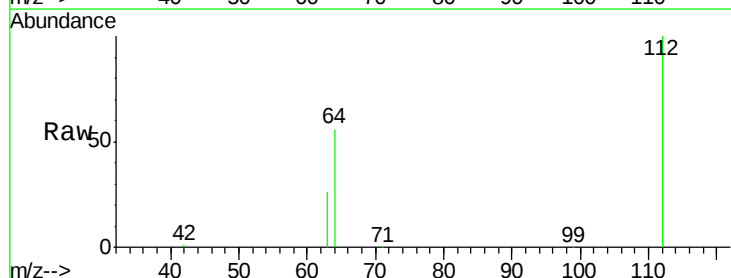
Tgt Ion:112 Resp: 184011

Ion Ratio Lower Upper

112 100

64 68.6 55.9 83.9

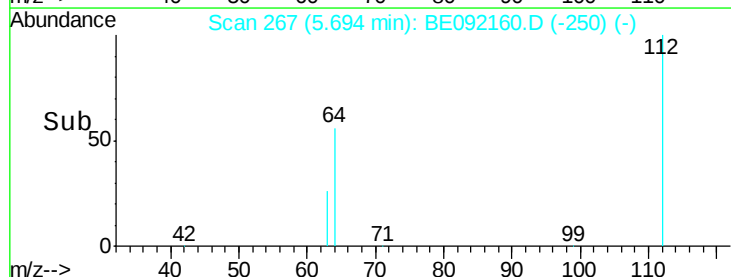
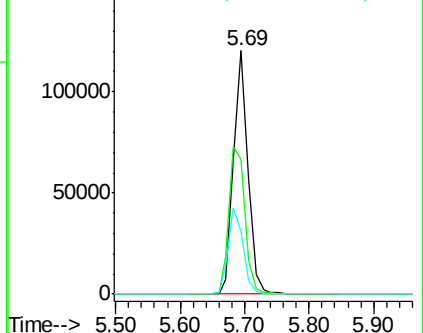
63 36.8 31.1 46.7

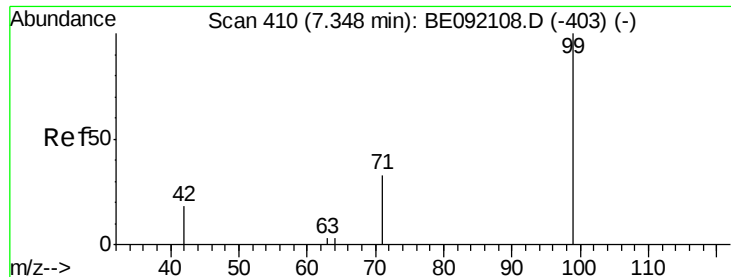


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 50.53 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092160.D

Acq: 4 Aug 2016 00:30

Instrument :

BNA_E

ClientSampleId :

GW-23-12.0-15.0

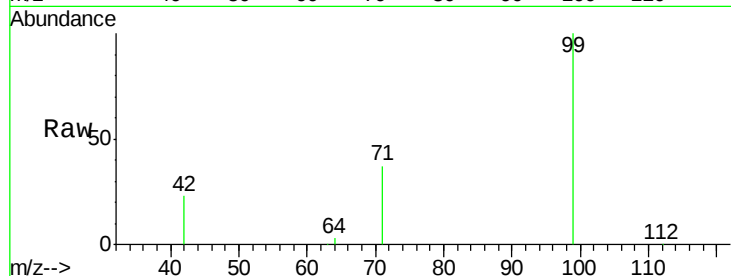
Tgt Ion: 99 Resp: 175097

Ion Ratio Lower Upper

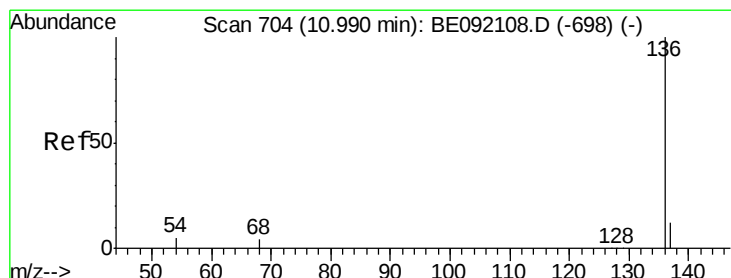
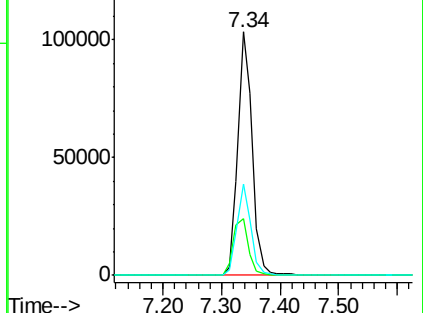
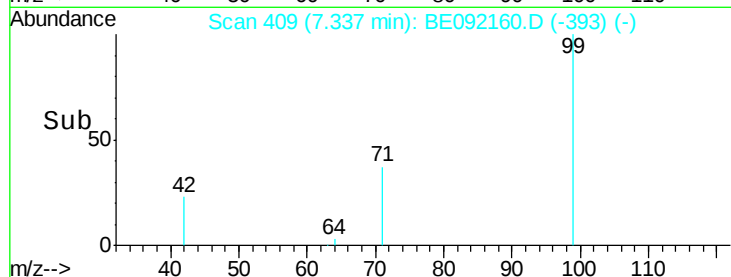
99 100

42 24.5 22.4 33.6

71 36.0 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. -0.02 min

Lab File: BE092160.D

Acq: 4 Aug 2016 00:30

Tgt Ion: 136 Resp: 46337

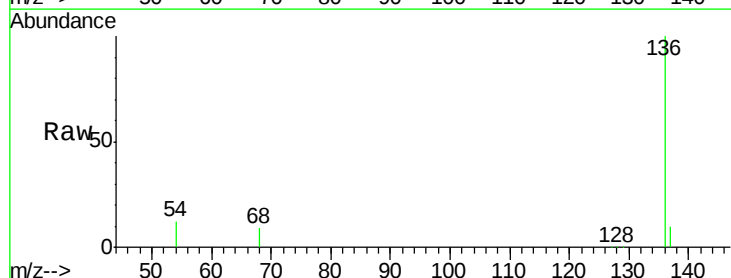
Ion Ratio Lower Upper

136 100

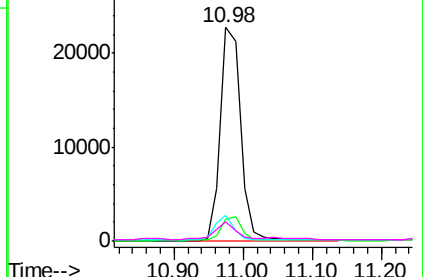
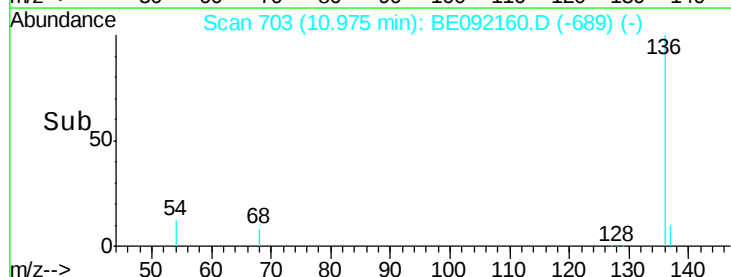
137 10.4 9.1 13.7

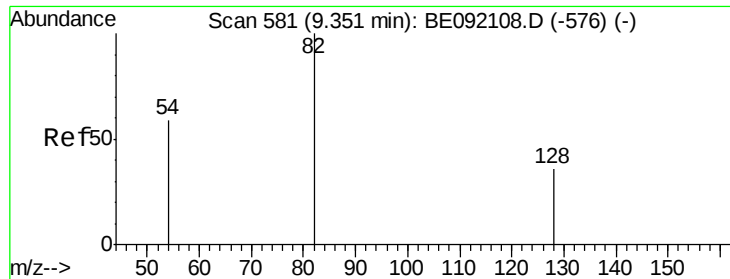
54 12.2 2.7 4.1#

68 9.0 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: 87.51 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092160.D

Acq: 4 Aug 2016 00:30

Instrument :

BNA_E

ClientSampleId :

GW-23-12.0-15.0

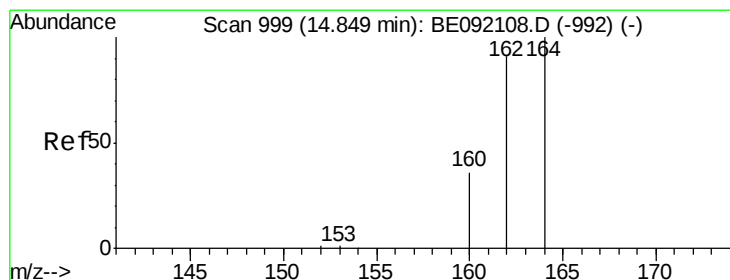
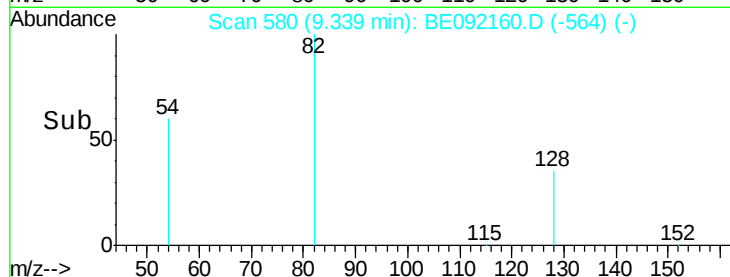
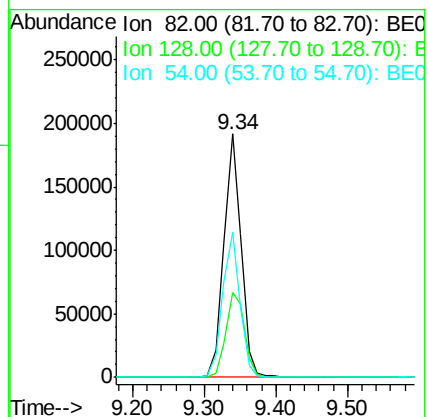
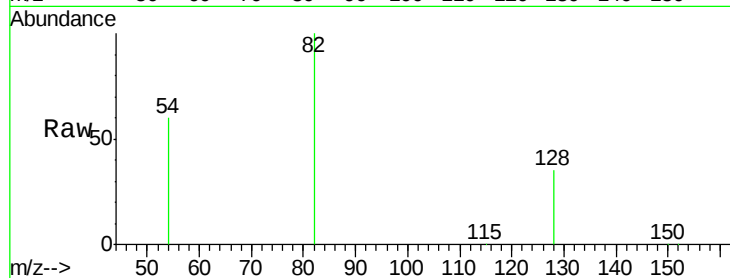
Tgt Ion: 82 Resp: 319958

Ion Ratio Lower Upper

82 100

128 34.9 33.0 49.4

54 59.8 42.6 63.8



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092160.D

Acq: 4 Aug 2016 00:30

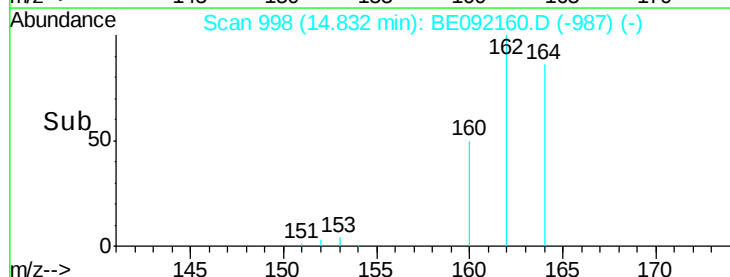
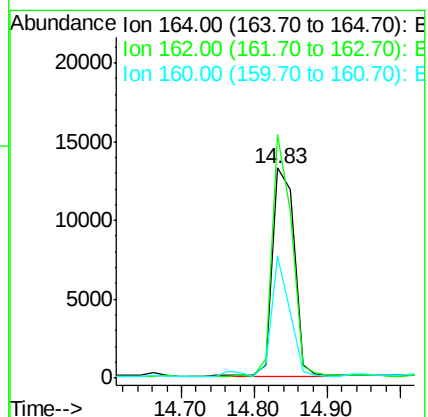
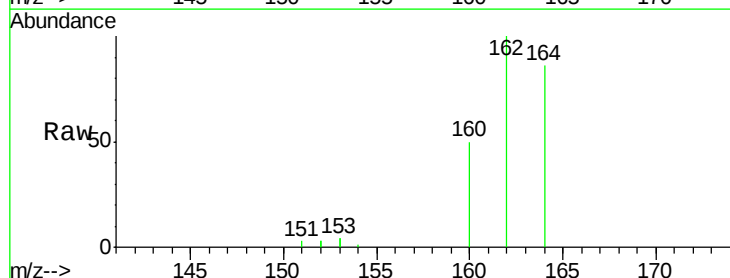
Tgt Ion: 164 Resp: 27455

Ion Ratio Lower Upper

164 100

162 115.8 69.5 104.3#

160 58.1 27.6 41.4#

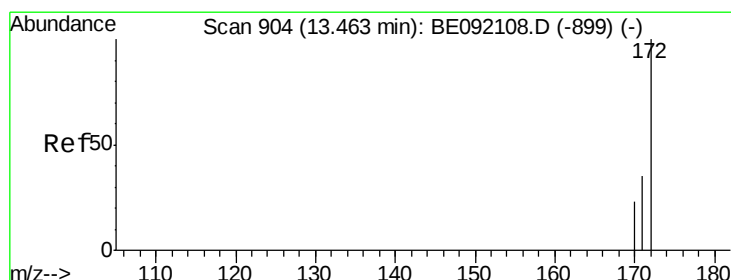
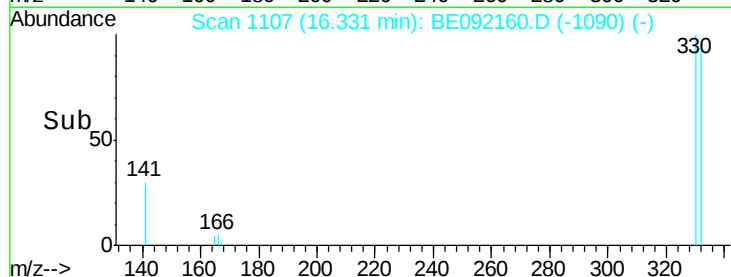
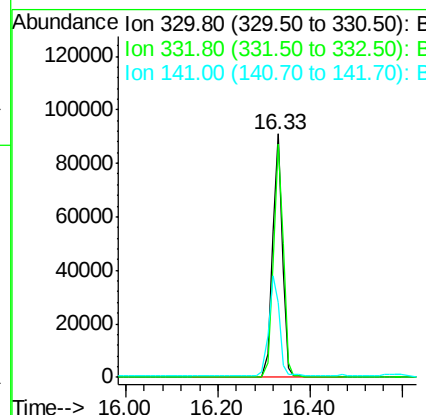
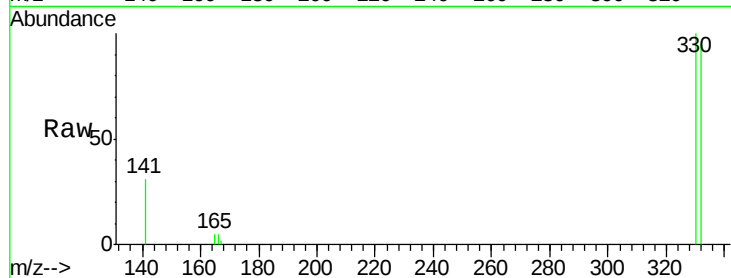




#11
 2,4,6-Tribromophenol
 Concen: 155.65 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092160.D
 Acq: 4 Aug 2016 00:30

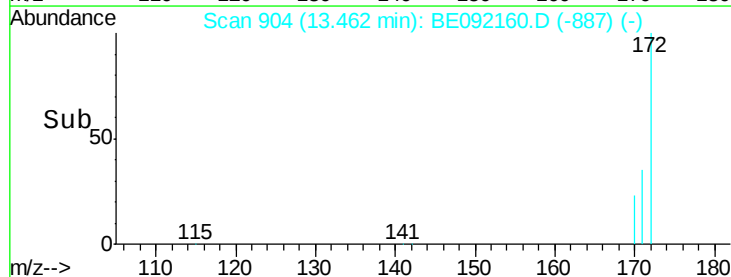
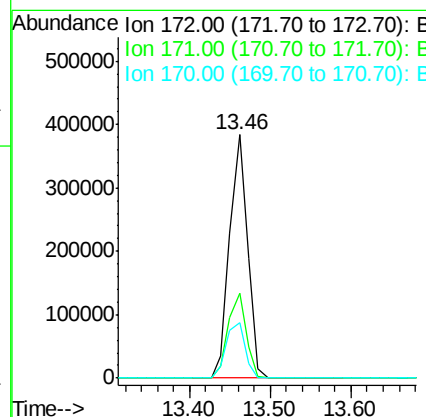
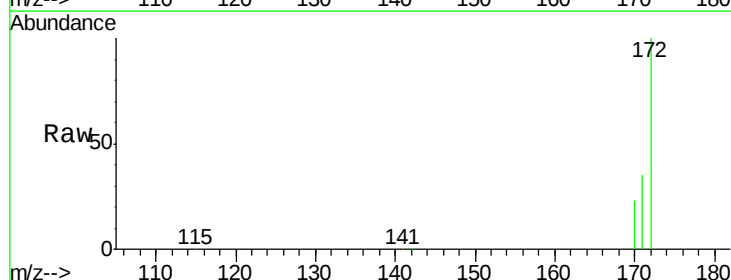
Instrument :
 BNA_E
 ClientSampleId :
 GW-23-12.0-15.0

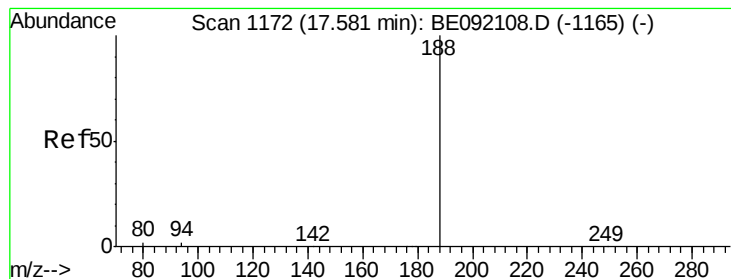
Tgt Ion:330 Resp: 138764
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.2 111.4
 141 43.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 68.56 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092160.D
 Acq: 4 Aug 2016 00:30

Tgt Ion:172 Resp: 596456
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.3 45.5
 170 22.7 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: BE092160.D

Acq: 4 Aug 2016 00:30

Instrument :

BNA_E

ClientSampleId :

GW-23-12.0-15.0

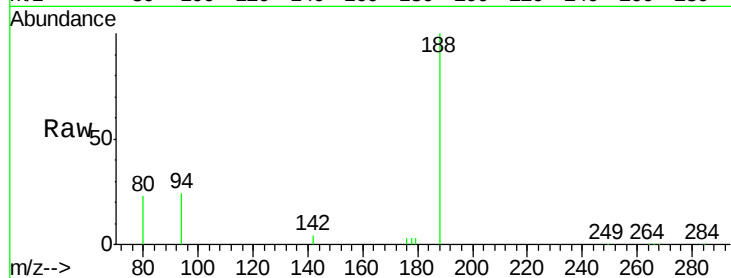
Tgt Ion:188 Resp: 65498

Ion Ratio Lower Upper

188 100

94 23.8 3.9 5.9#

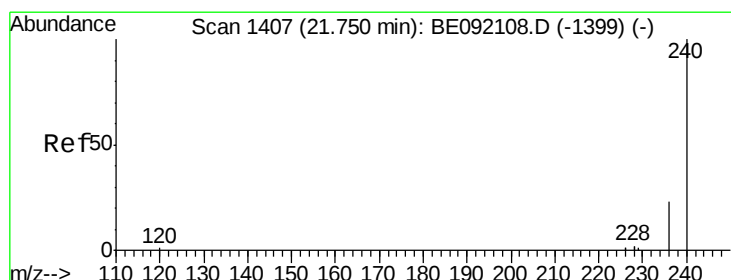
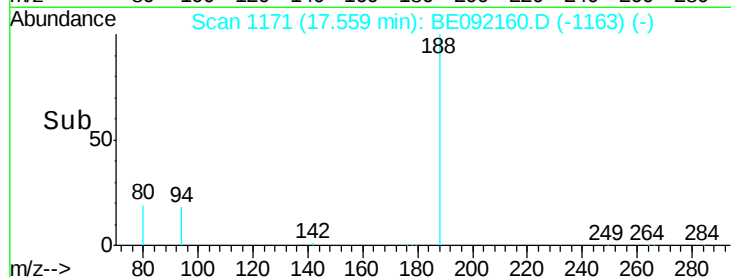
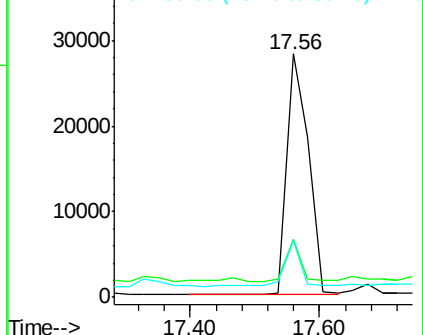
80 23.5 3.4 5.0#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092160.D

Acq: 4 Aug 2016 00:30

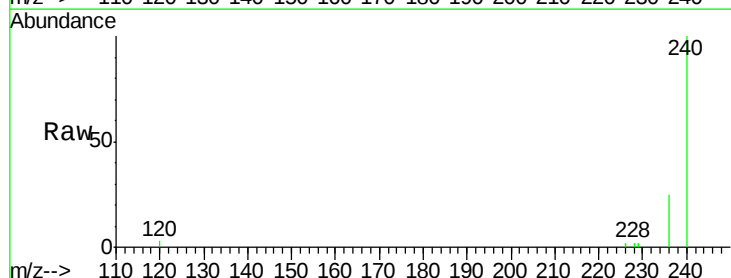
Tgt Ion:240 Resp: 84324

Ion Ratio Lower Upper

240 100

120 2.8 0.6 1.0#

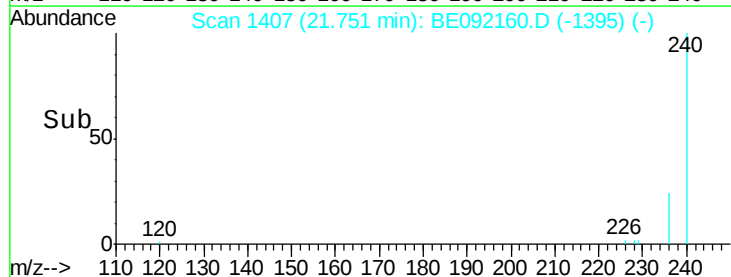
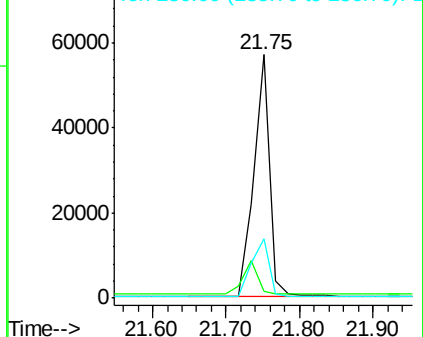
236 24.5 18.2 27.4

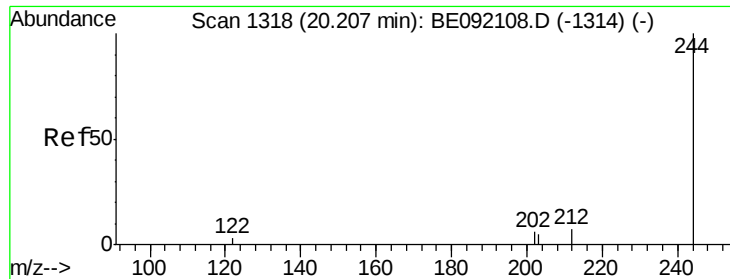


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

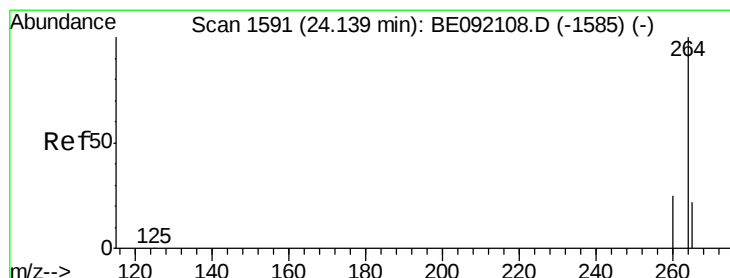
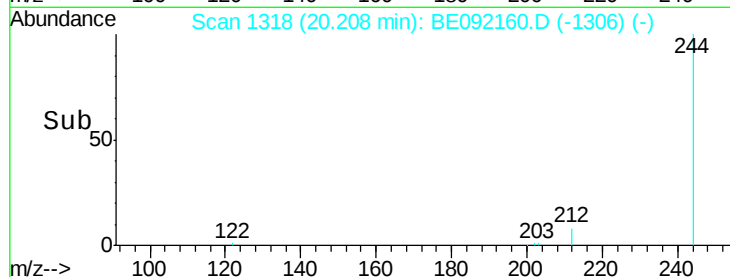
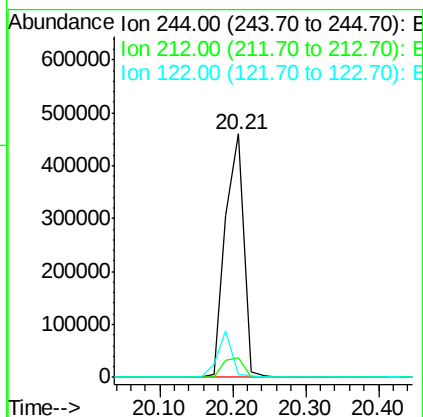
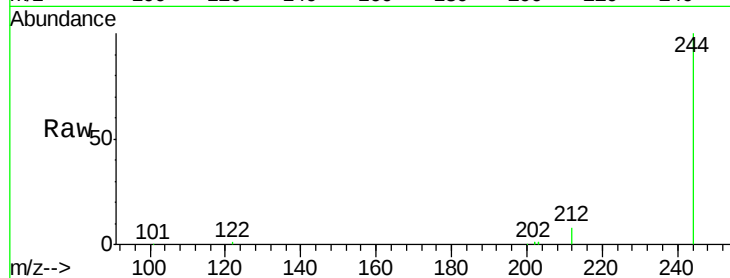




#24
 Terphenyl-d14
 Concen: 66.12 ng
 RT: 20.21 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BE092160.D
 Acq: 4 Aug 2016 00:30

Instrument :
 BNA_E
 ClientSampleId :
 GW-23-12.0-15.0

Tgt Ion:244 Resp: 800670
 Ion Ratio Lower Upper
 244 100
 212 7.8 9.1 13.7#
 122 1.4 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: BE092160.D
 Acq: 4 Aug 2016 00:30

Tgt Ion:264 Resp: 83320
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.8 31.2
 265 21.6 16.6 25.0

