

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092156.D
 Acq On : 3 Aug 2016 22:01
 Operator : UM/SJ
 Sample : H4176-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-35-6.0-15.0

Quant Time: Aug 04 05:51:02 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

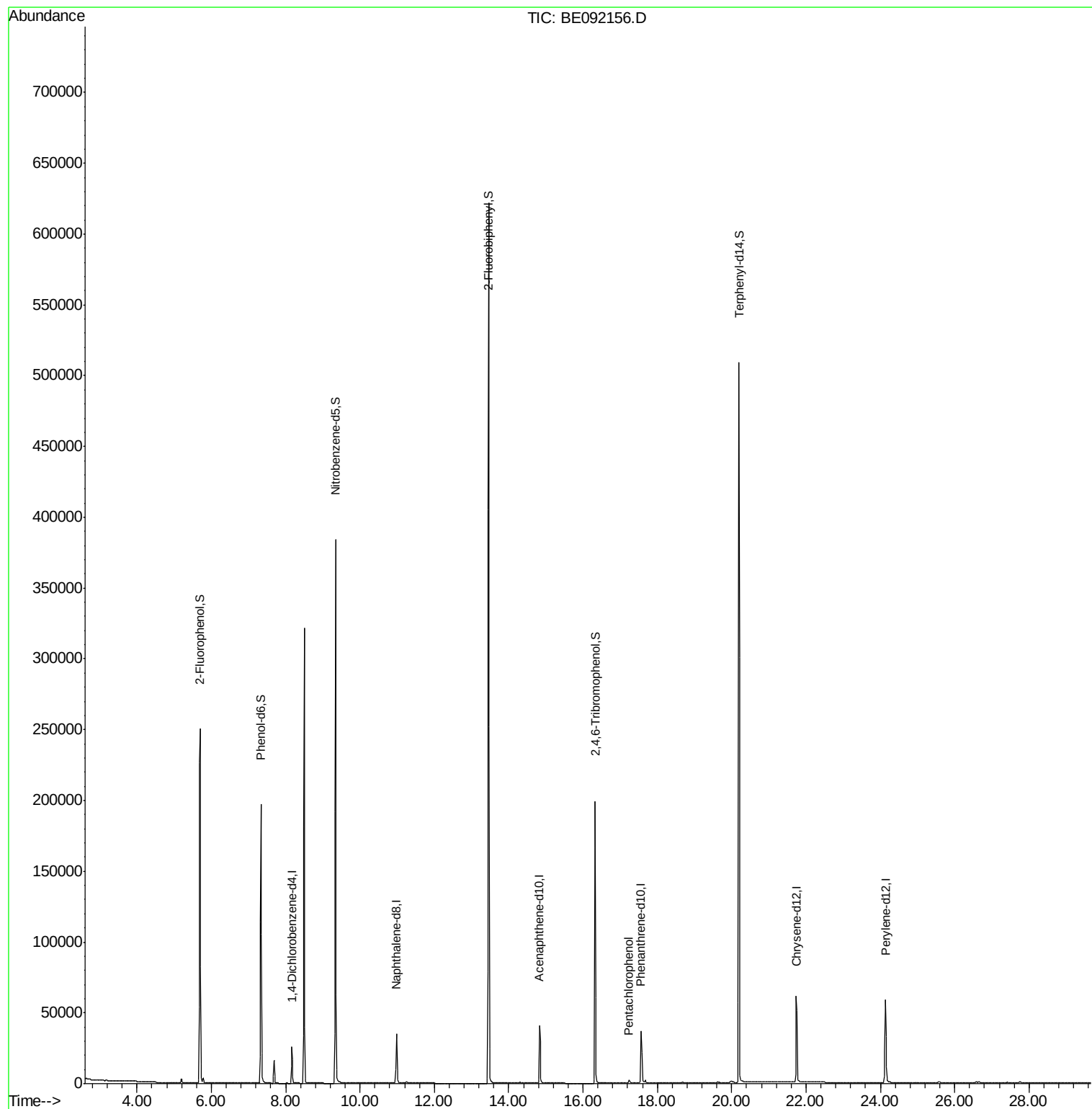
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12893	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	56632	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	30599	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	65255	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	87380	5.00	ng	0.00
28) Perylene-d12	24.14	264	89413	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	213963	64.62	ng	0.00
5) Phenol-d6	7.34	99	197577	44.79	ng	-0.01
7) Nitrobenzene-d5	9.34	82	335129	75.00	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	133897	134.76	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	606697	62.57	ng	0.00
24) Terphenyl-d14	20.19	244	714538	56.94	ng	-0.02
Target Compounds						
18) Pentachlorophenol	17.23	266	1471	1.39	ng	Qvalue # 84

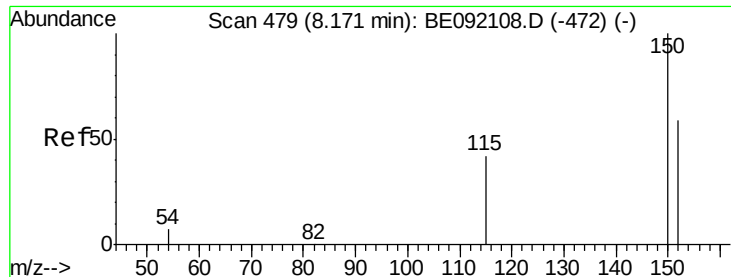
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092156.D

Acq: 3 Aug 2016 22:01

Instrument :

BNA_E

ClientSampleId :

GW-35-6.0-15.0

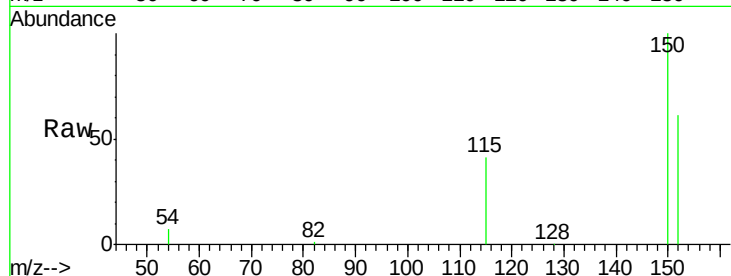
Tgt Ion:152 Resp: 12893

Ion Ratio Lower Upper

152 100

150 165.1 106.0 159.0#

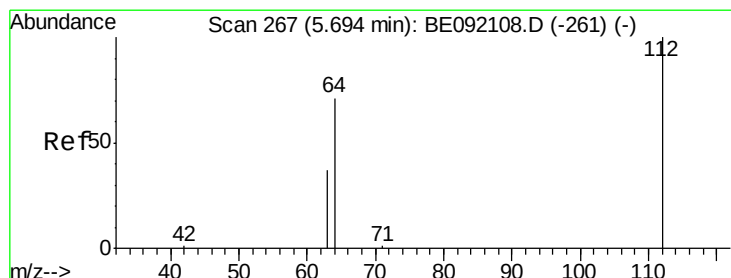
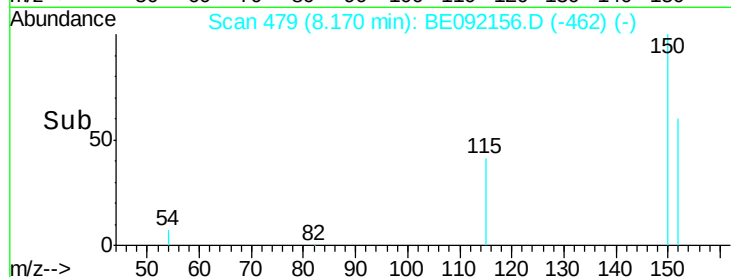
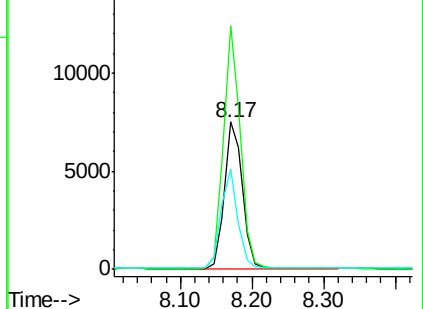
115 67.6 36.9 55.3#



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: 64.62 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092156.D

Acq: 3 Aug 2016 22:01

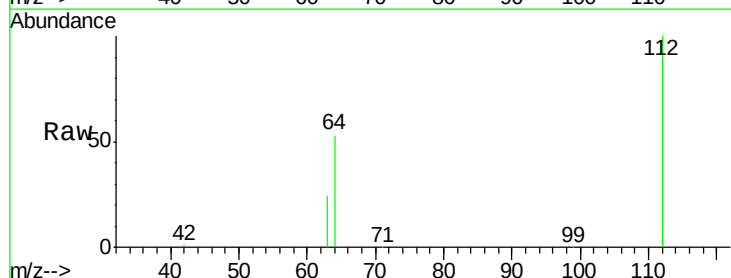
Tgt Ion:112 Resp: 213963

Ion Ratio Lower Upper

112 100

64 69.0 55.9 83.9

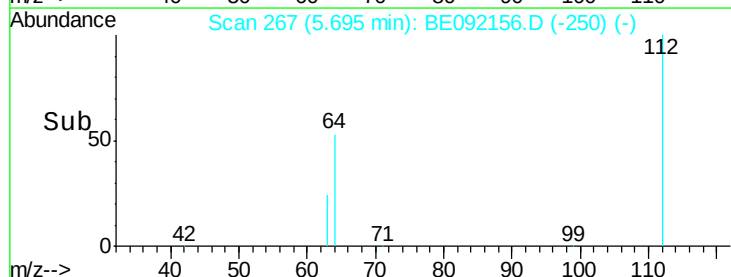
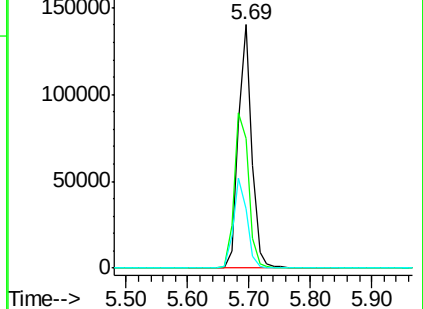
63 37.2 31.1 46.7

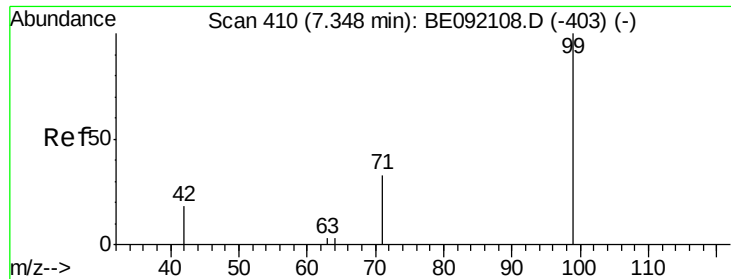


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 44.79 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092156.D

Acq: 3 Aug 2016 22:01

Instrument :

BNA_E

ClientSampleId :

GW-35-6.0-15.0

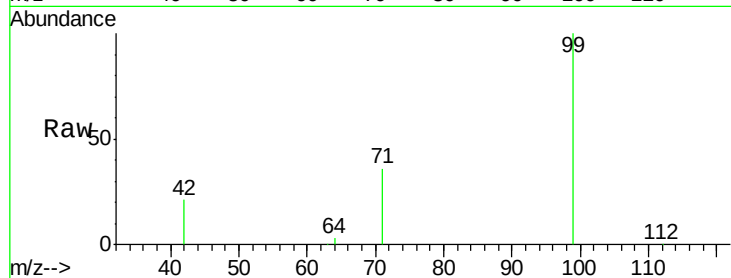
Tgt Ion: 99 Resp: 197577

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

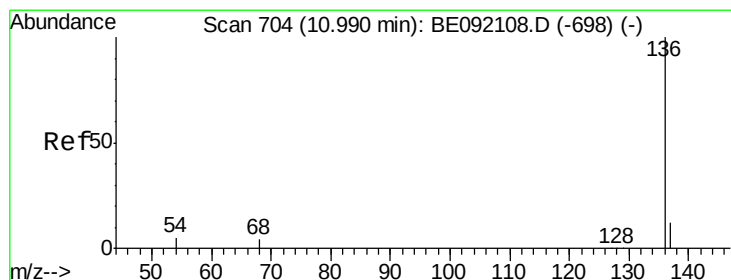
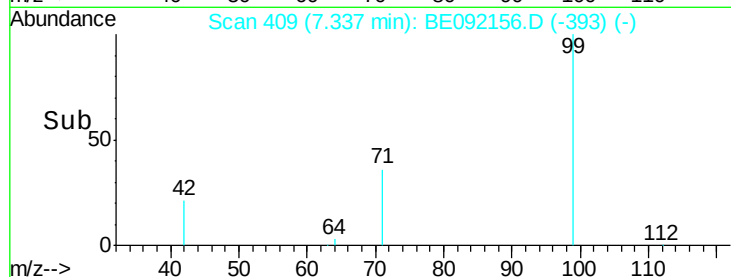
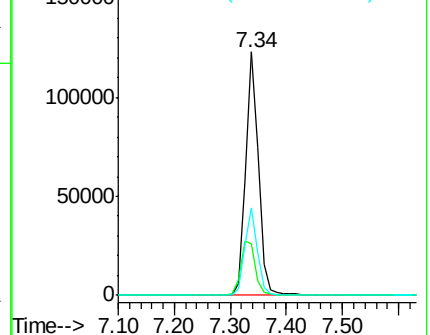
71 35.8 28.9 43.3



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: BE092156.D

Acq: 3 Aug 2016 22:01

Tgt Ion: 136 Resp: 56632

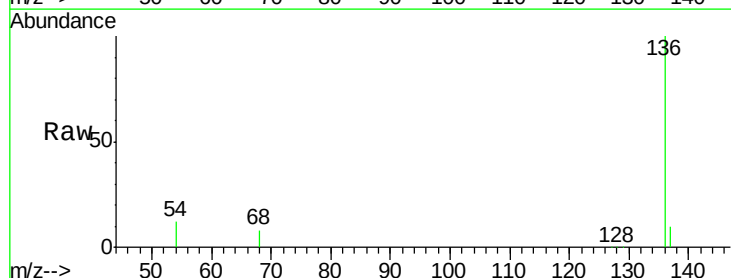
Ion Ratio Lower Upper

136 100

137 10.1 9.1 13.7

54 11.6 2.7 4.1#

68 8.0 2.2 3.4#

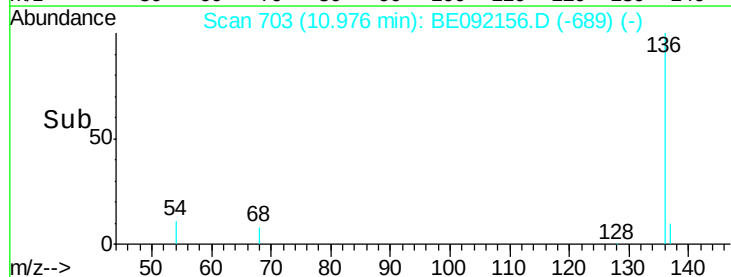
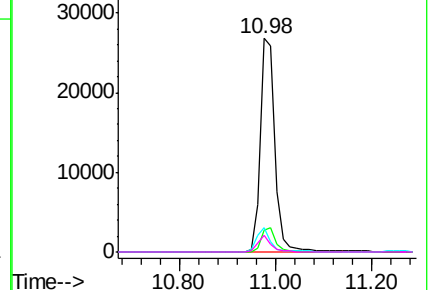


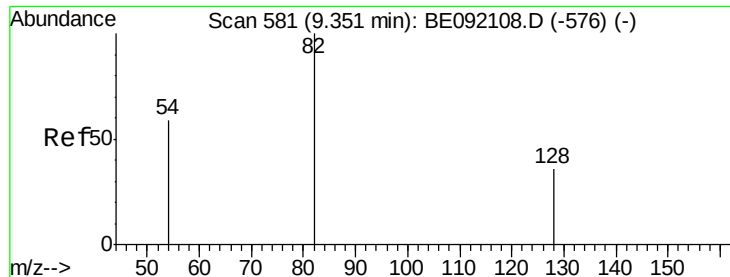
Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.00 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092156.D

Acq: 3 Aug 2016 22:01

Instrument :

BNA_E

ClientSampleId :

GW-35-6.0-15.0

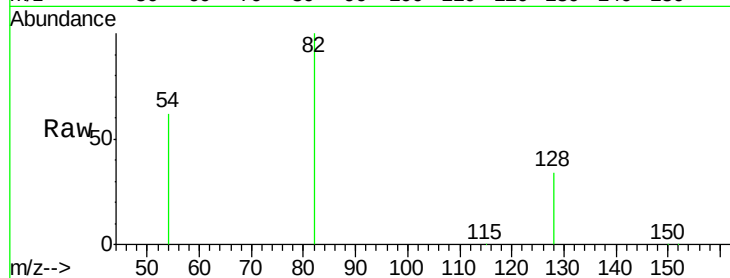
Tgt Ion: 82 Resp: 335129

Ion Ratio Lower Upper

82 100

128 34.1 33.0 49.4

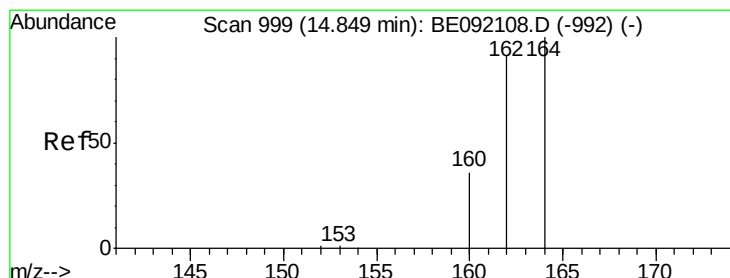
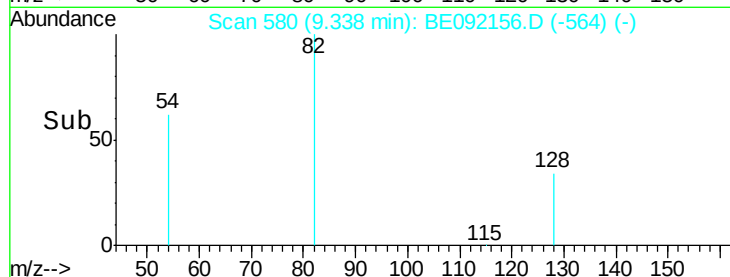
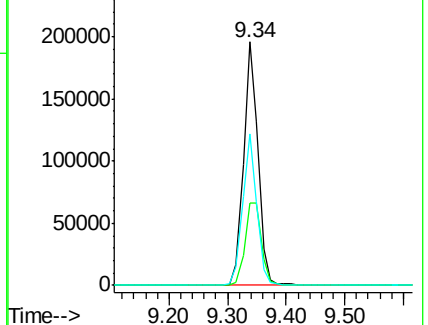
54 62.0 42.6 63.8



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: BE092156.D

Acq: 3 Aug 2016 22:01

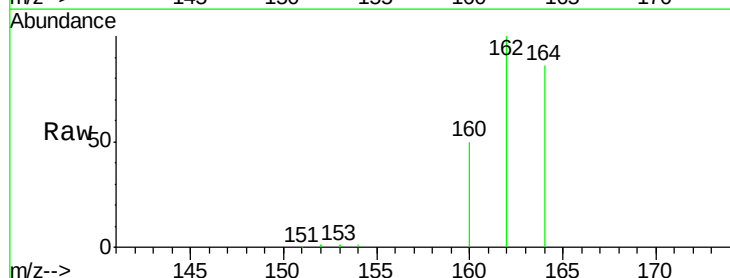
Tgt Ion: 164 Resp: 30599

Ion Ratio Lower Upper

164 100

162 116.3 69.5 104.3#

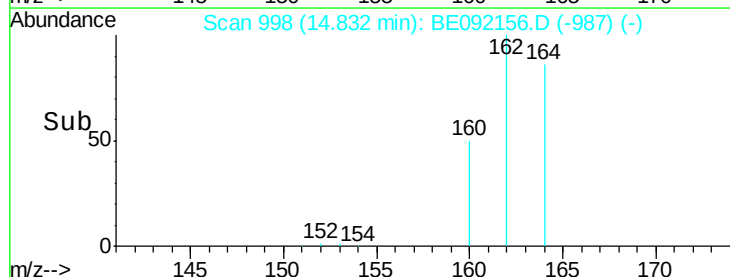
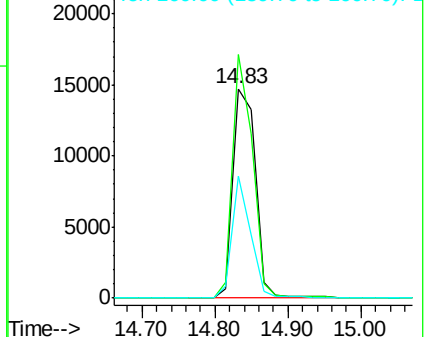
160 58.1 27.6 41.4#

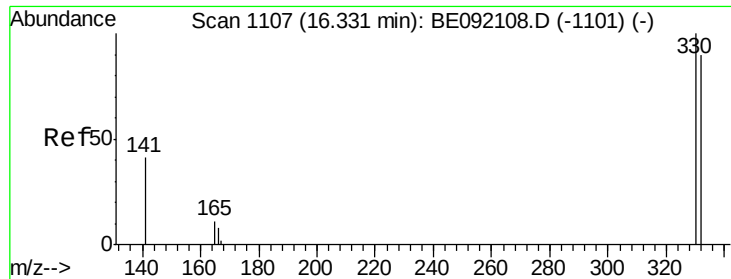


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

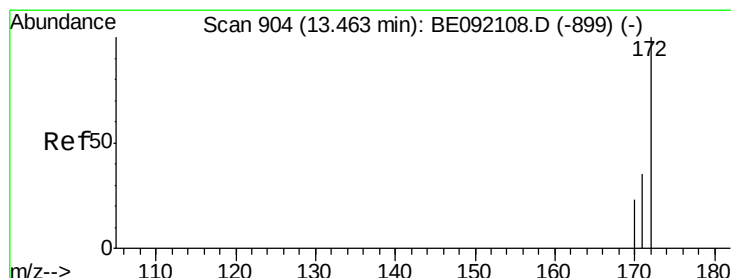
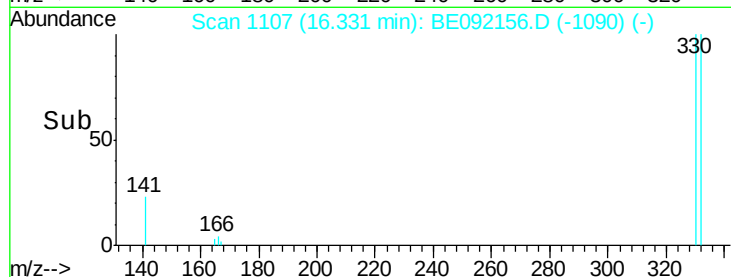
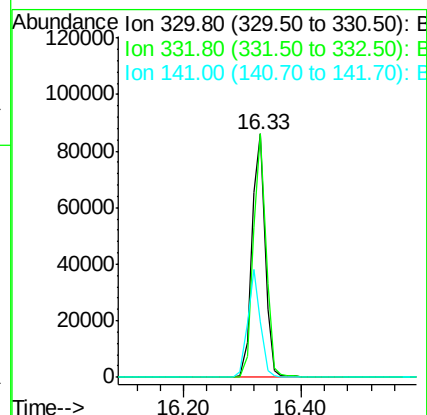
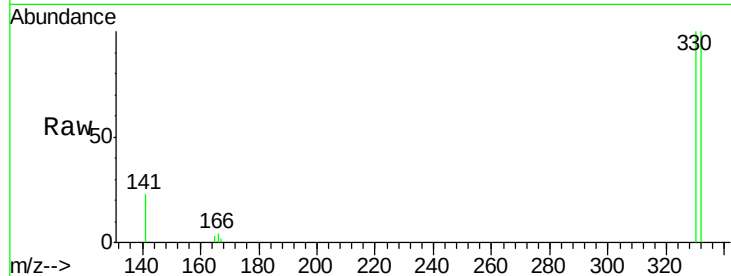




#11
 2,4,6-Tribromophenol
 Concen: 134.76 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092156.D
 Acq: 3 Aug 2016 22:01

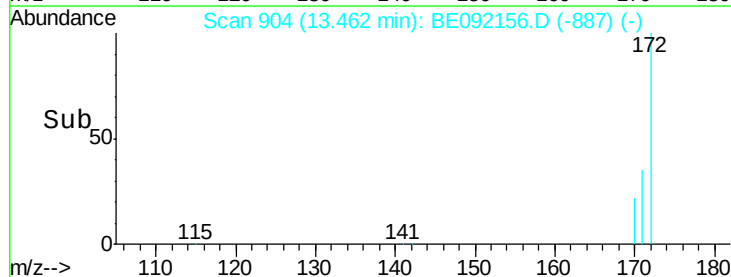
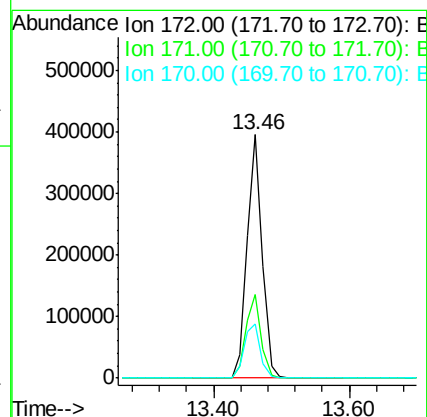
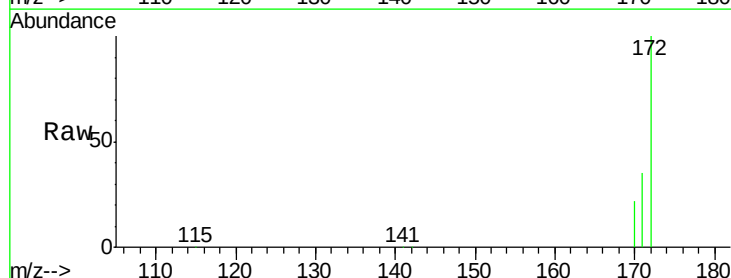
Instrument :
 BNA_E
 ClientSampleId :
 GW-35-6.0-15.0

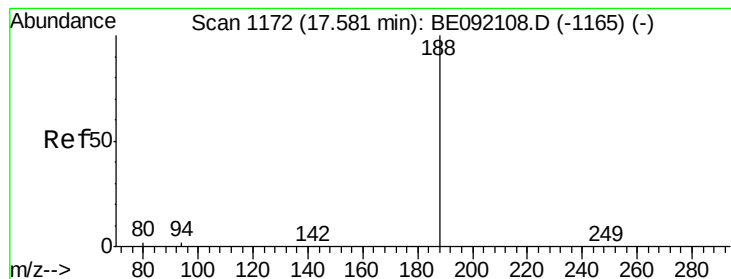
Tgt Ion:330 Resp: 133897
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.2 111.4
 141 42.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 62.57 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092156.D
 Acq: 3 Aug 2016 22:01

Tgt Ion:172 Resp: 606697
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.3 45.5
 170 22.3 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: BE092156.D

Acq: 3 Aug 2016 22:01

Instrument :

BNA_E

ClientSampleId :

GW-35-6.0-15.0

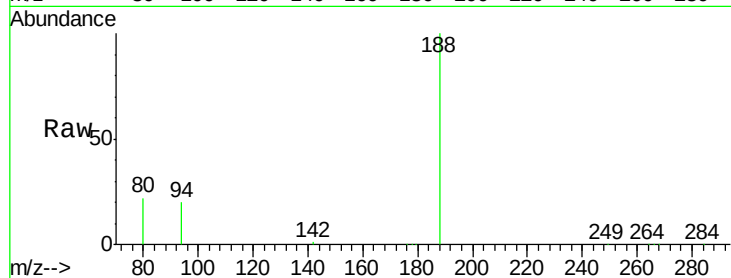
Tgt Ion:188 Resp: 65255

Ion Ratio Lower Upper

188 100

94 20.5 3.9 5.9#

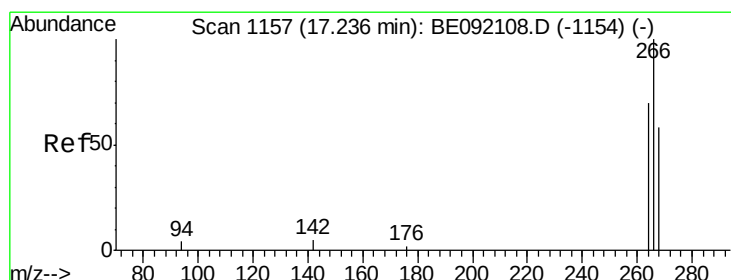
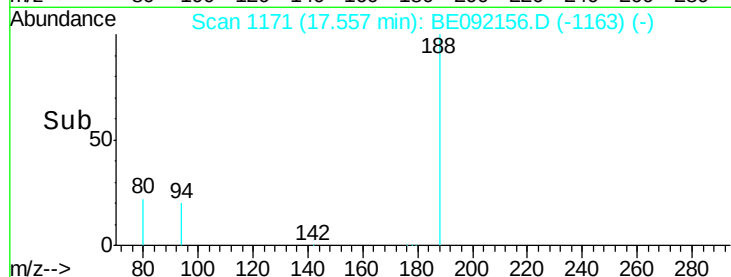
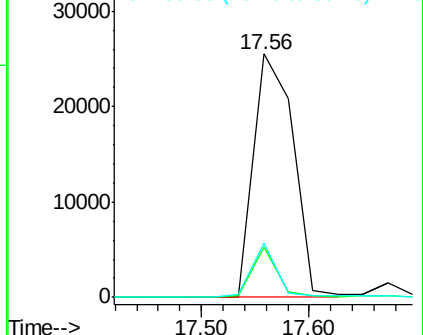
80 22.1 3.4 5.0#



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: 1.39 ng

RT: 17.23 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BE092156.D

Acq: 3 Aug 2016 22:01

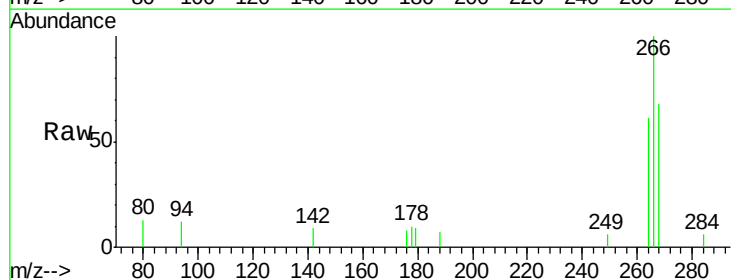
Tgt Ion:266 Resp: 1471

Ion Ratio Lower Upper

266 100

268 68.3 62.7 94.1

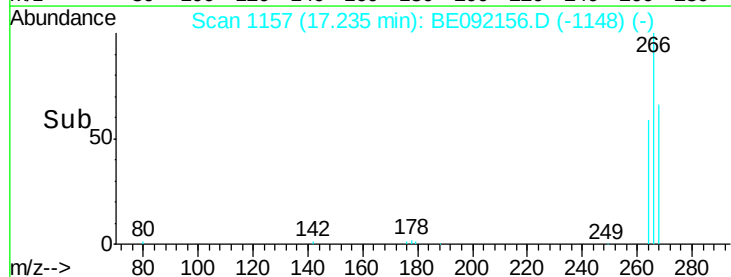
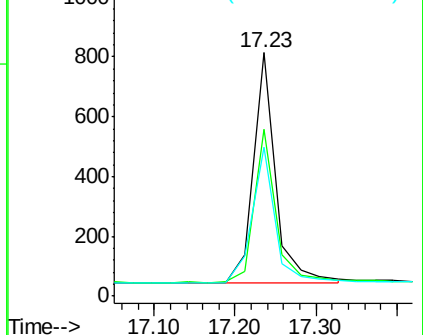
264 61.3 63.5 95.3#

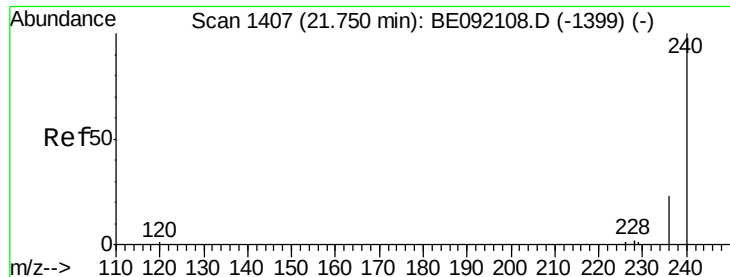


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

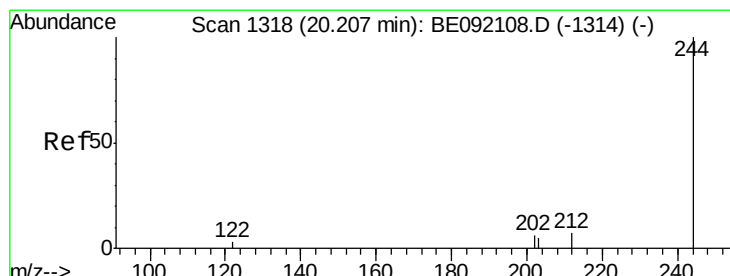
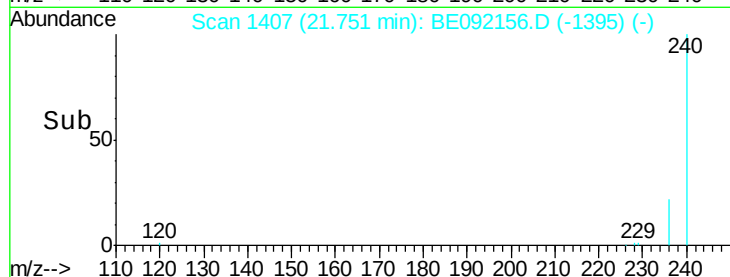
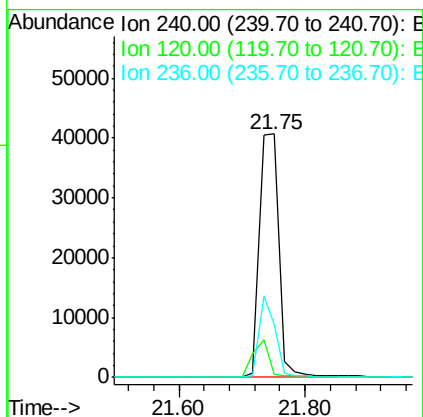
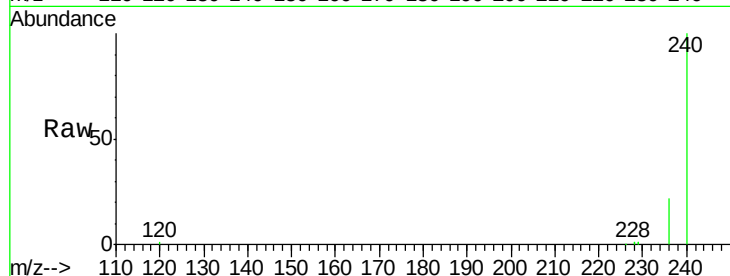




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

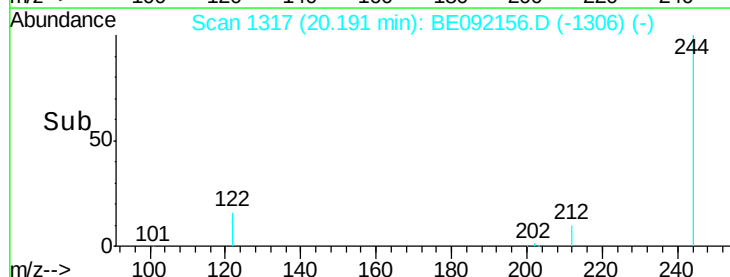
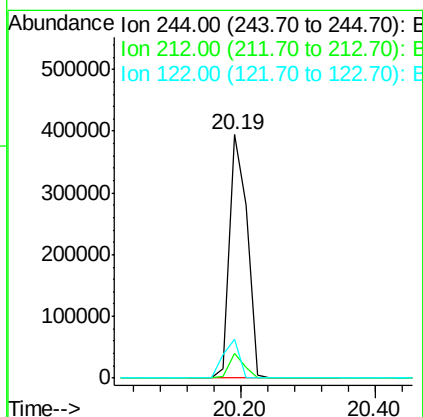
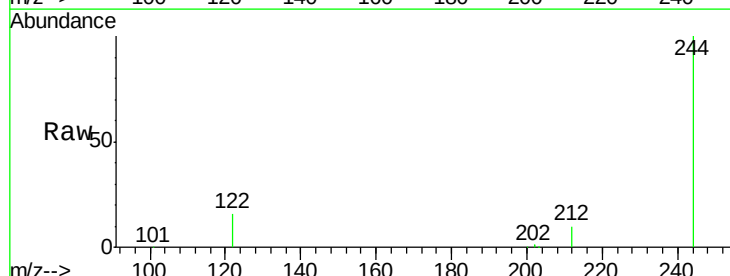
Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

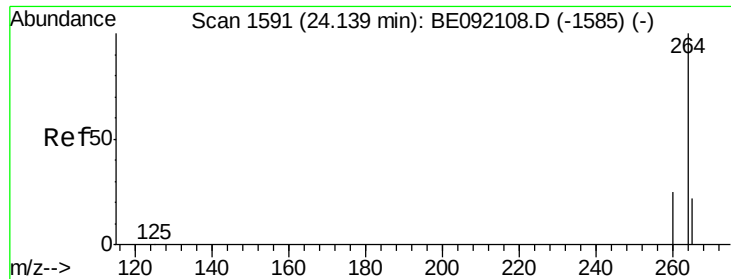
Tgt Ion:240 Resp: 87380
Ion Ratio Lower Upper
240 100
120 1.3 0.6 1.0#
236 21.8 18.2 27.4



#24
Terphenyl-d14
Concen: 56.94 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092156.D
Acq: 3 Aug 2016 22:01

Tgt Ion:244 Resp: 714538
Ion Ratio Lower Upper
244 100
212 10.0 9.1 13.7
122 16.2 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: BE092156.D
Acq: 3 Aug 2016 22:01

Instrument :
BNA_E
ClientSampleId :
GW-35-6.0-15.0

Tgt Ion: 264 Resp: 89413
Ion Ratio Lower Upper
264 100
260 24.1 20.8 31.2
265 22.8 16.6 25.0

