

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092124.D
 Acq On : 2 Aug 2016 23:17
 Operator : UM/SJ
 Sample : H4152-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-15-7.5-14.0

Quant Time: Aug 03 04:13:22 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

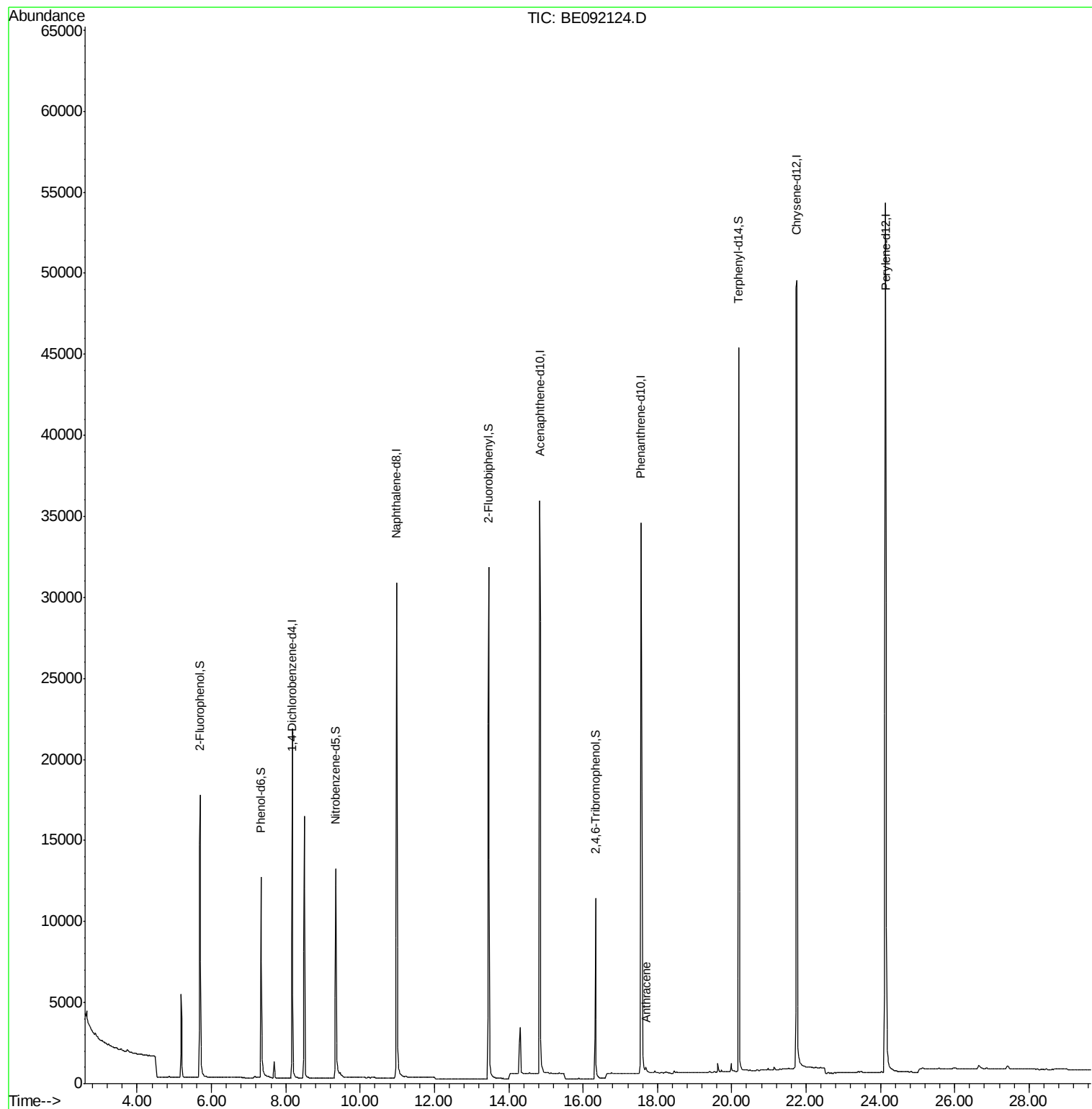
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	11654	5.00	ng	0.01
6) Naphthalene-d8	10.98	136	50994	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	27508	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58560	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	76476	5.00	ng	0.00
28) Perylene-d12	24.14	264	83333	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	15727	5.25	ng	0.00
5) Phenol-d6	7.34	99	14289	3.58	ng	-0.01
7) Nitrobenzene-d5	9.34	82	14870	3.70	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8170	9.15	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	33545	3.85	ng	0.00
24) Terphenyl-d14	20.19	244	52600	4.79	ng	-0.02
Target Compounds						
20) Anthracene	17.70	178	434	0.03	ng	Qvalue # 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 480

Delta R.T. 0.01 min

Lab File: BE092124.D

Acq: 2 Aug 2016 23:17

Instrument :

BNA_E

ClientSampleId :

GW-15-7.5-14.0

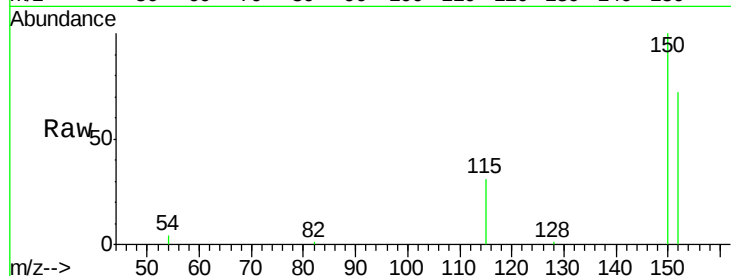
Tot Ion:152 Resp: 11654

Ion Ratio Lower Upper

152 100

150 139.2 106.0 159.0

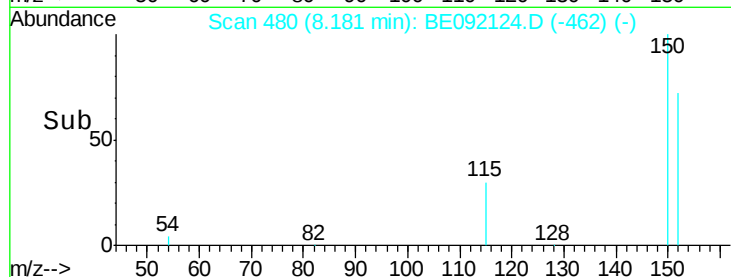
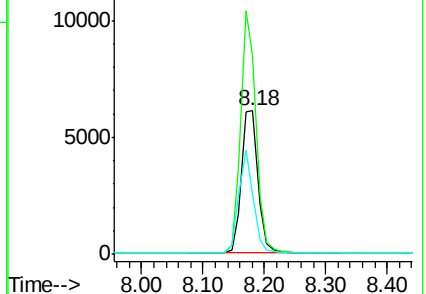
115 42.5 36.9 55.3



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



#4

2-Fluorophenol

Concen: 5.25 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092124.D

Acq: 2 Aug 2016 23:17

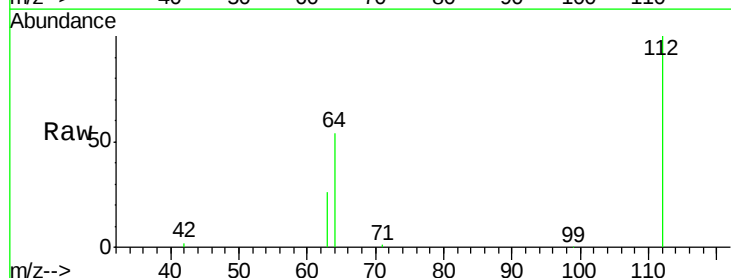
Tgt Ion:112 Resp: 15727

Ion Ratio Lower Upper

112 100

64 66.9 55.9 83.9

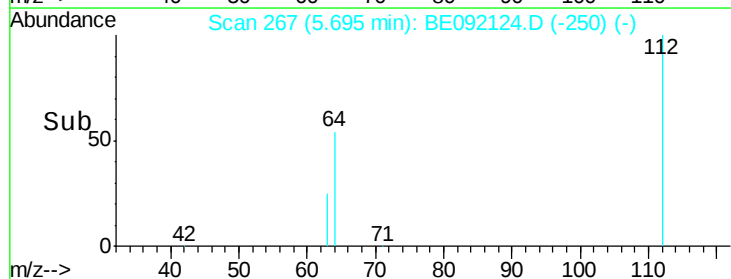
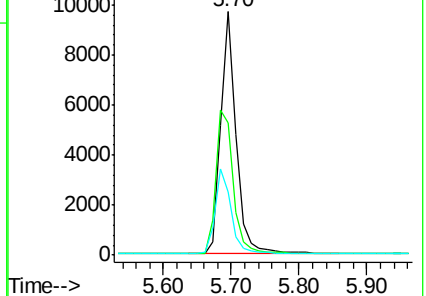
63 36.3 31.1 46.7



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: 3.58 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092124.D

Acq: 2 Aug 2016 23:17

Instrument :

BNA_E

ClientSampleId :

GW-15-7.5-14.0

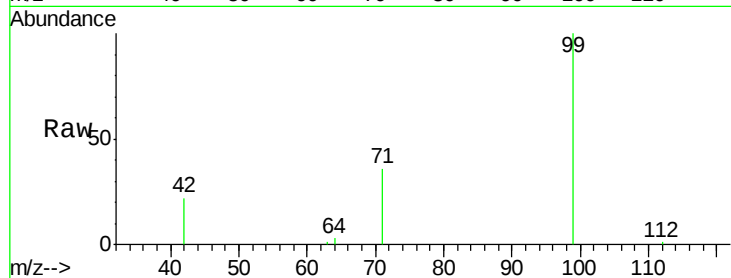
Tot Ion: 99 Resp: 14289

Ion Ratio Lower Upper

99 100

42 24.3 22.4 33.6

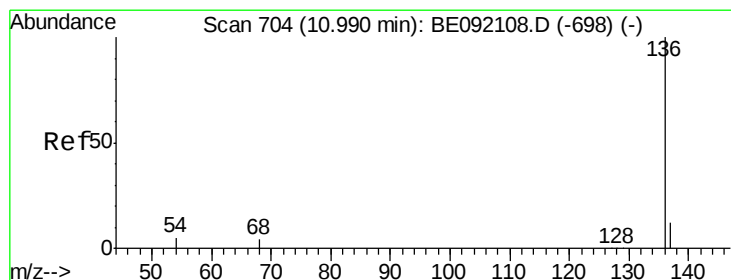
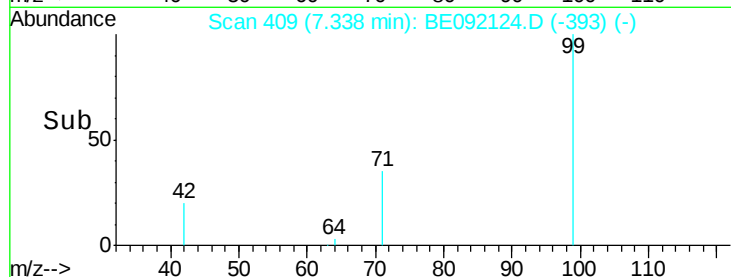
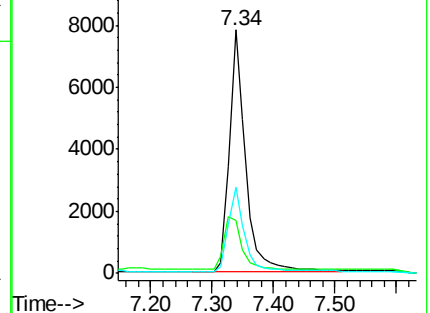
71 34.9 28.9 43.3



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: BE092124.D

Acq: 2 Aug 2016 23:17

Tgt Ion: 136 Resp: 50994

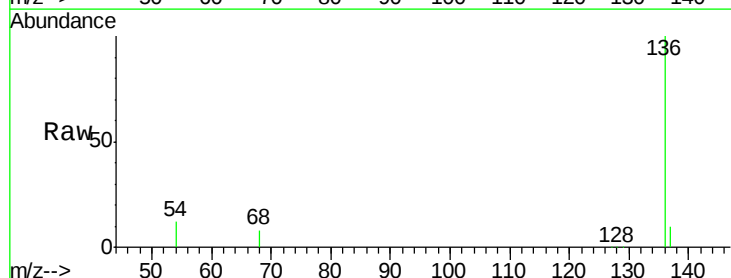
Ion Ratio Lower Upper

136 100

137 10.1 9.1 13.7

54 11.6 2.7 4.1#

68 8.1 2.2 3.4#

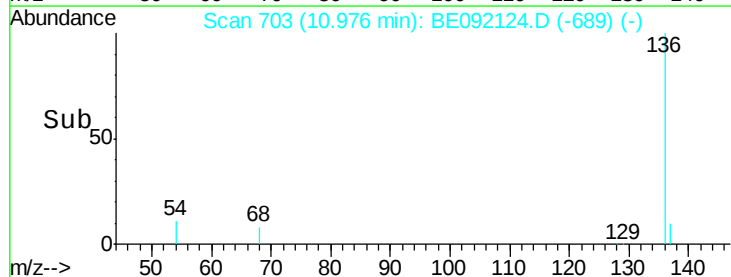
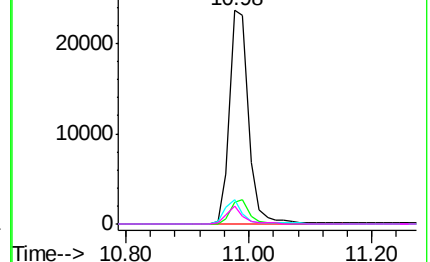


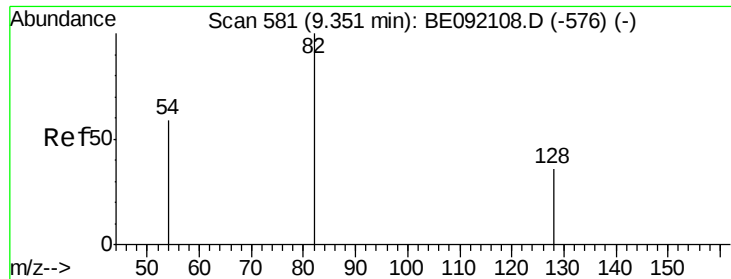
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.70 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092124.D

Acq: 2 Aug 2016 23:17

Instrument :

BNA_E

ClientSampleId :

GW-15-7.5-14.0

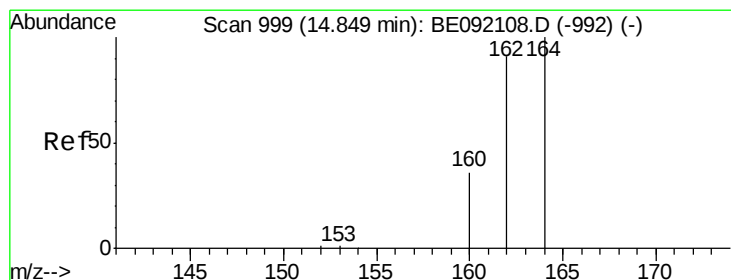
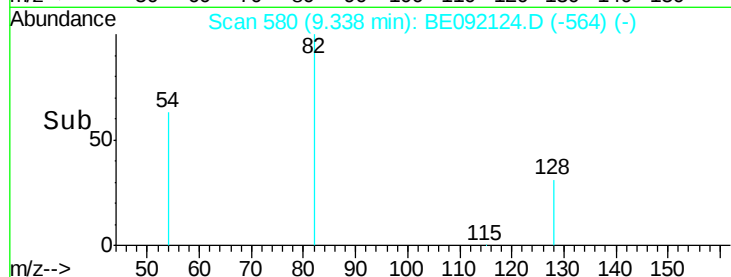
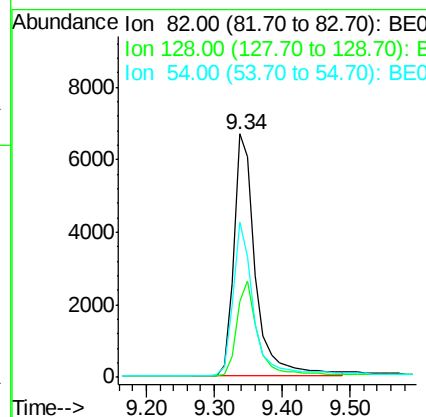
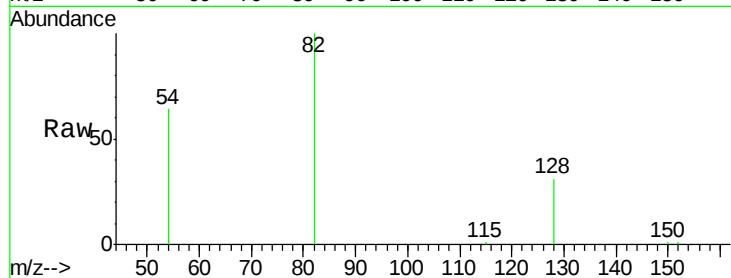
Tot Ion: 82 Resp: 14870

Ion Ratio Lower Upper

82 100

128 31.1 33.0 49.4#

54 63.8 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: BE092124.D

Acq: 2 Aug 2016 23:17

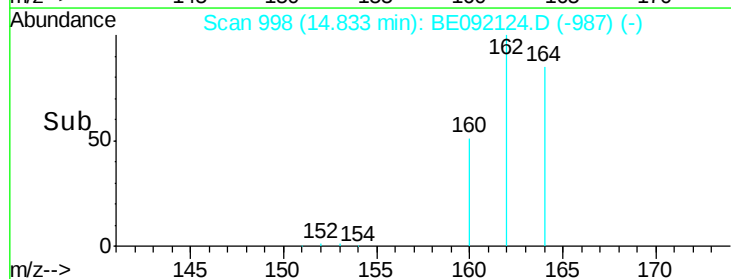
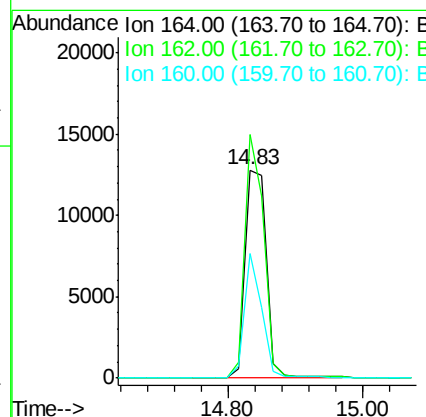
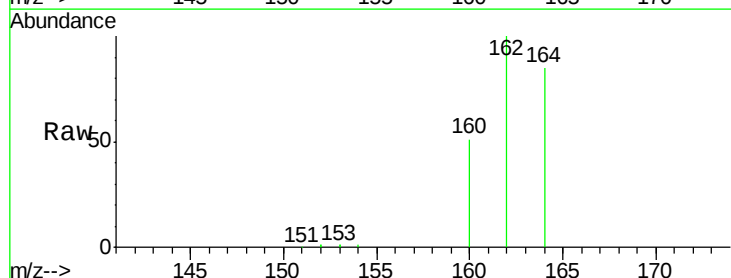
Tgt Ion: 164 Resp: 27508

Ion Ratio Lower Upper

164 100

162 117.1 69.5 104.3#

160 59.7 27.6 41.4#

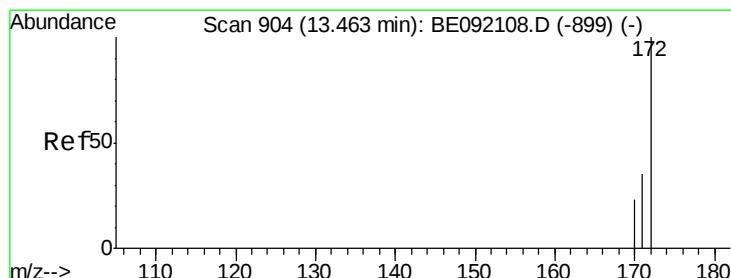
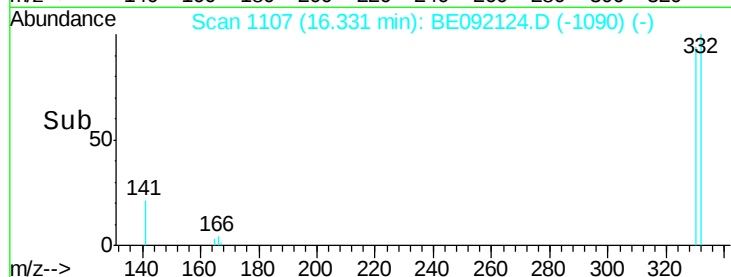
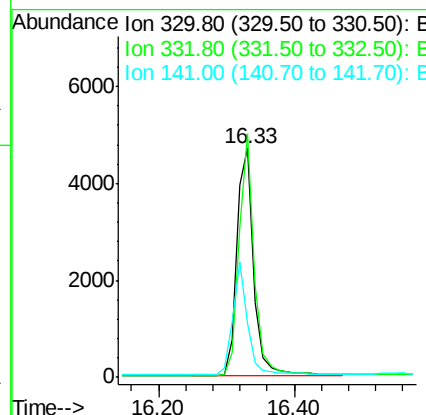
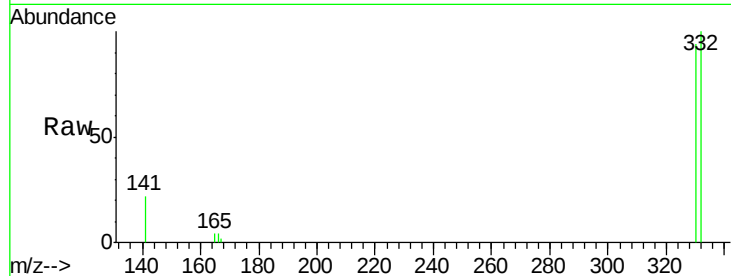




#11
 2,4,6-Tribromophenol
 Concen: 9.15 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092124.D
 Acq: 2 Aug 2016 23:17

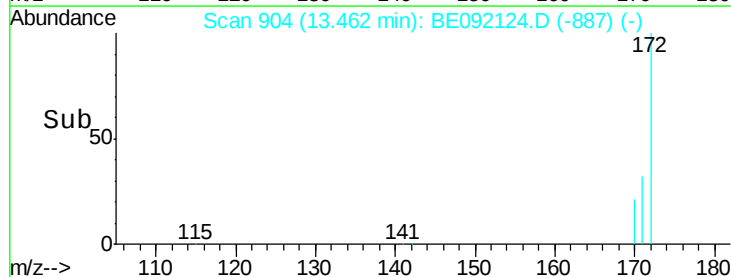
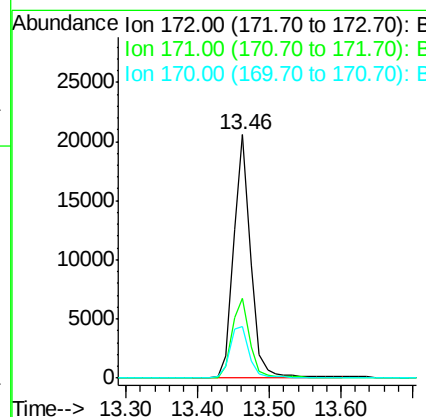
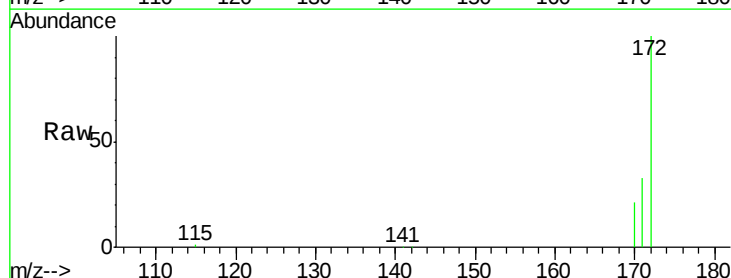
Instrument :
 BNA_E
 ClientSampleId :
 GW-15-7.5-14.0

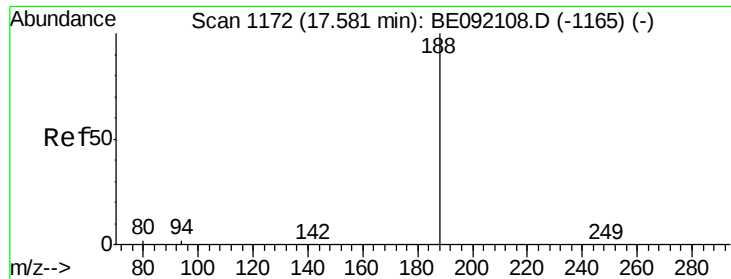
Tot Ion:330 Resp: 8170
 Ion Ratio Lower Upper
 330 100
 332 96.6 74.2 111.4
 141 43.8 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.85 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092124.D
 Acq: 2 Aug 2016 23:17

Tgt Ion:172 Resp: 33545
 Ion Ratio Lower Upper
 172 100
 171 32.6 30.3 45.5
 170 21.1 21.6 32.4#

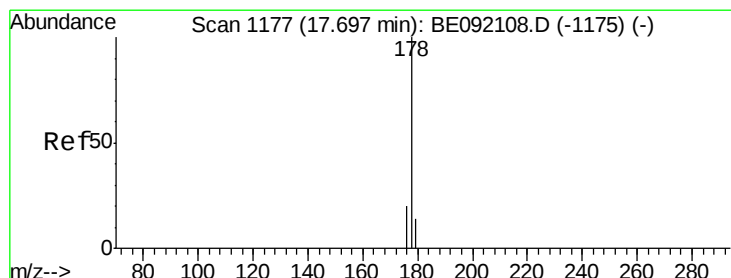
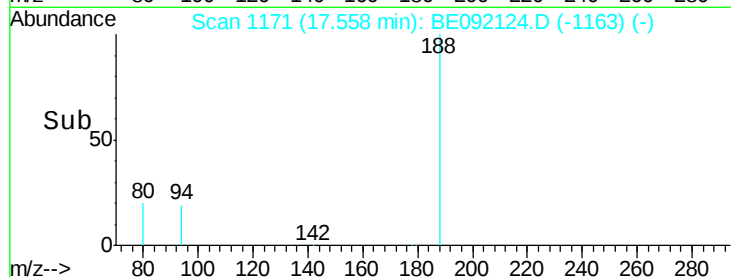
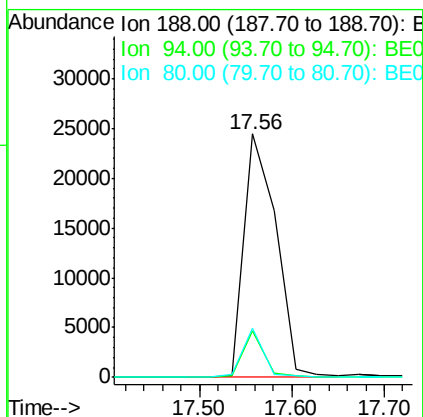
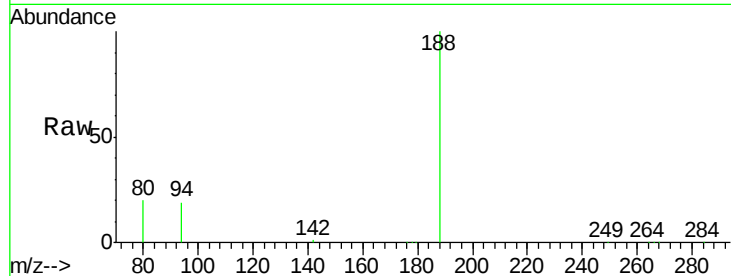




#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092124.D
Acq: 2 Aug 2016 23:17

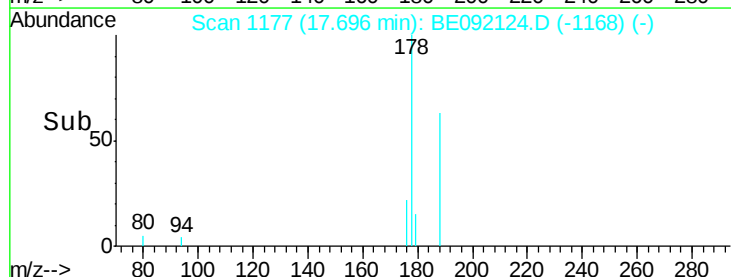
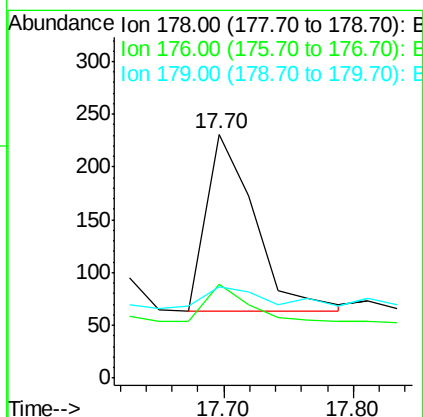
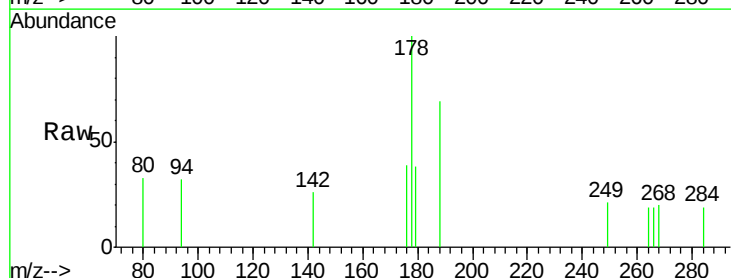
Instrument :
BNA_E
ClientSampleId :
GW-15-7.5-14.0

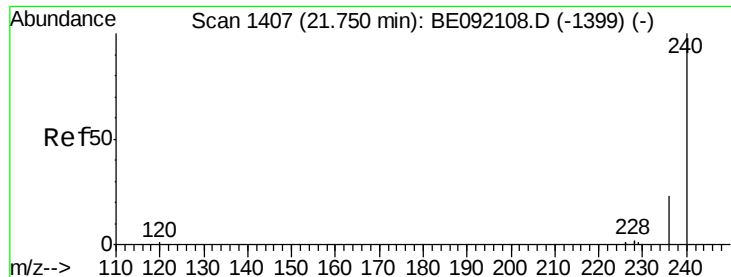
Tot Ion:188 Resp: 58560
Ion Ratio Lower Upper
188 100
94 18.9 3.9 5.9#
80 20.1 3.4 5.0#



#20
Anthracene
Concen: 0.03 ng
RT: 17.70 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE092124.D
Acq: 2 Aug 2016 23:17

Tgt Ion:178 Resp: 434
Ion Ratio Lower Upper
178 100
176 17.3 15.2 22.8
179 18.9 12.2 18.4#

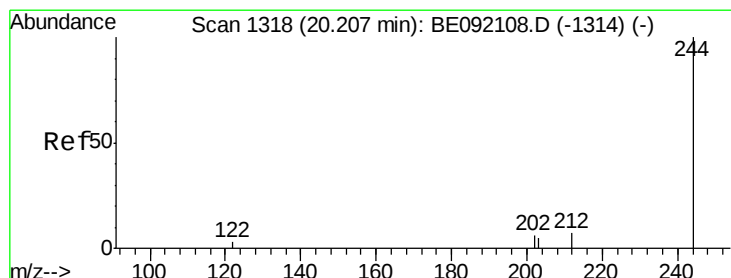
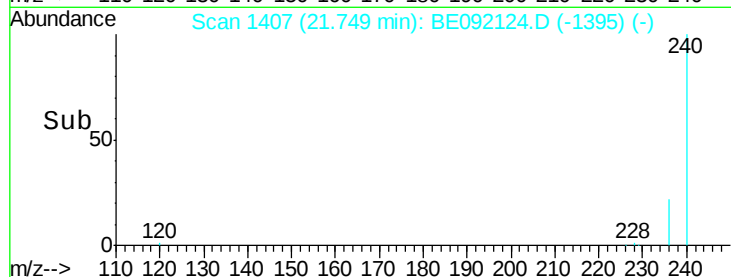
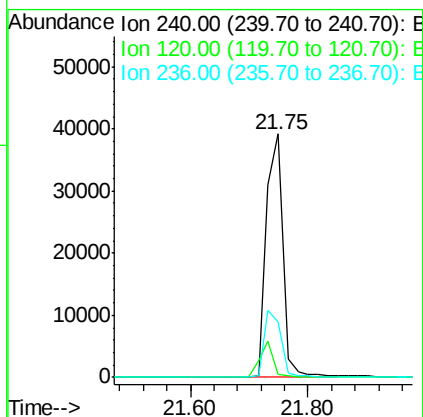
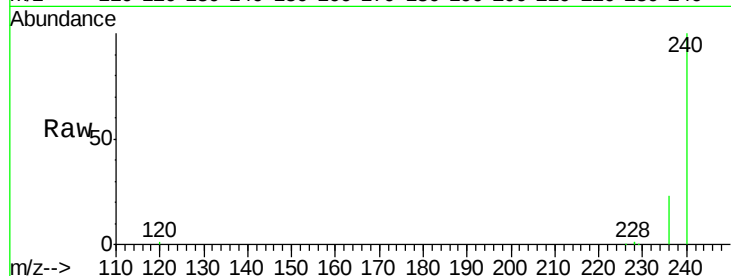




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092124.D
Acq: 2 Aug 2016 23:17

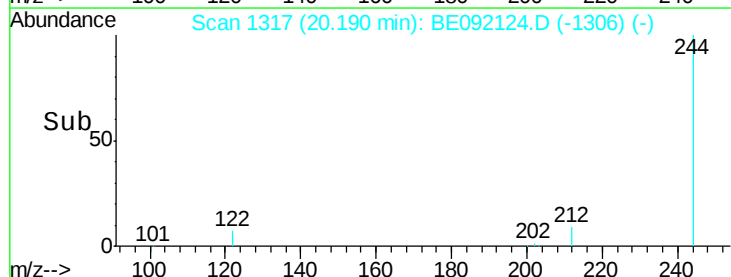
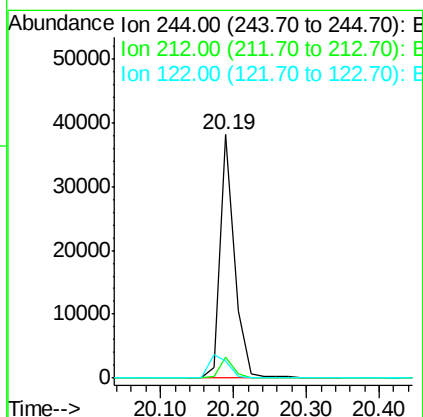
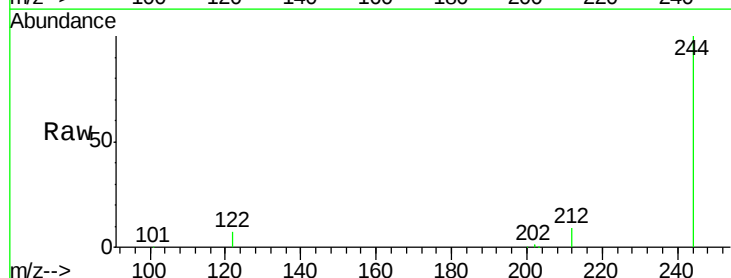
Instrument :
BNA_E
ClientSampleId :
GW-15-7.5-14.0

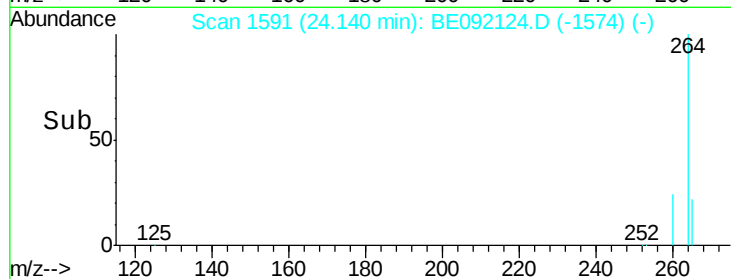
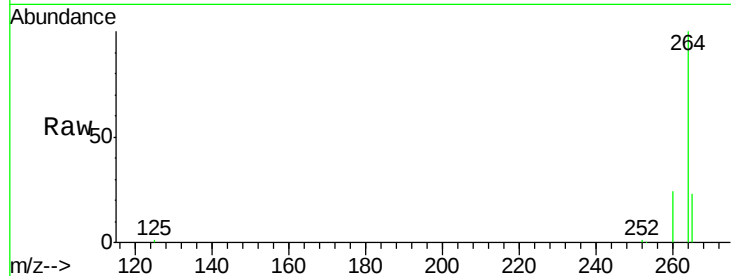
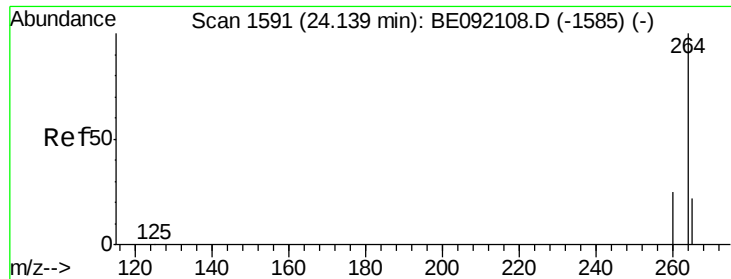
Tot Ion:240 Resp: 76476
Ion Ratio Lower Upper
240 100
120 1.4 0.6 1.0#
236 22.6 18.2 27.4



#24
Terphenyl-d14
Concen: 4.79 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092124.D
Acq: 2 Aug 2016 23:17

Tgt Ion:244 Resp: 52600
Ion Ratio Lower Upper
244 100
212 8.7 9.1 13.7#
122 7.2 11.0 16.4#





#28

Pervlene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092124.D

Acq: 2 Aug 2016 23:17

Instrument :

BNA_E

ClientSampleId :

GW-15-7.5-14.0

Tot Ion:264 Resp: 83333

Ion Ratio Lower Upper

264 100

260 24.1 20.8 31.2

265 22.8 16.6 25.0

