

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092204.D
 Acq On : 5 Aug 2016 5:09
 Operator : UM/SJ
 Sample : H4287-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-60-7.5-12.5

Quant Time: Aug 05 06:38:16 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	11744	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	52733	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29459	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	67892	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	81212	5.00	ng	-0.02
28) Perylene-d12	24.14	264	80360	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11250	3.73	ng	0.00
5) Phenol-d6	7.35	99	8917	2.22	ng	0.00
7) Nitrobenzene-d5	9.34	82	13875	3.33	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7091	7.41	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	31351	3.36	ng	0.00
24) Terphenyl-d14	20.19	244	47413	4.07	ng	-0.02

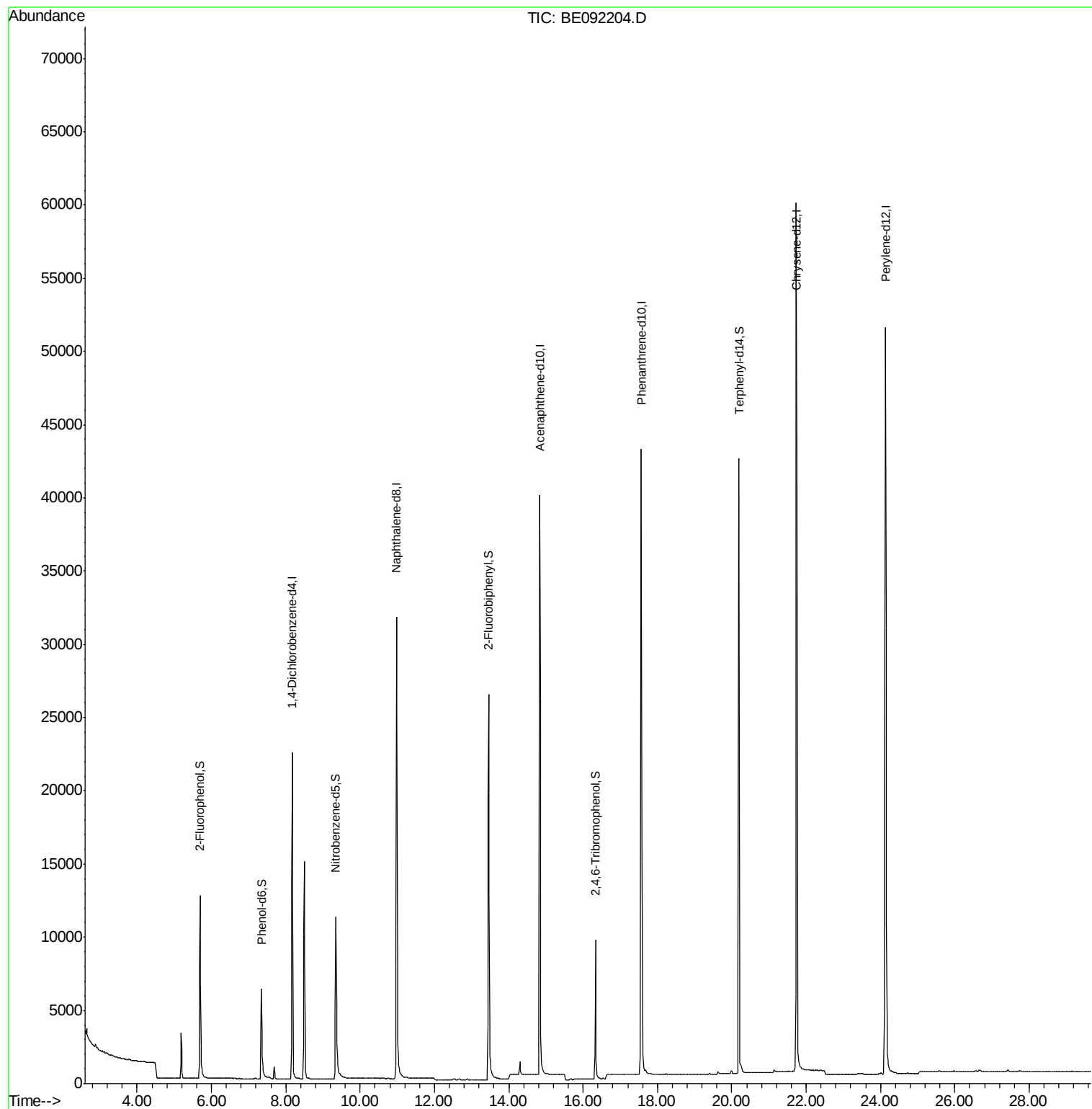
Target Compounds Qvalue

(#) = 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: BE092204.D

Acq: 5 Aug 2016 5:09

Instrument :

BNA_E

ClientSampleId :

GW-60-7.5-12.5

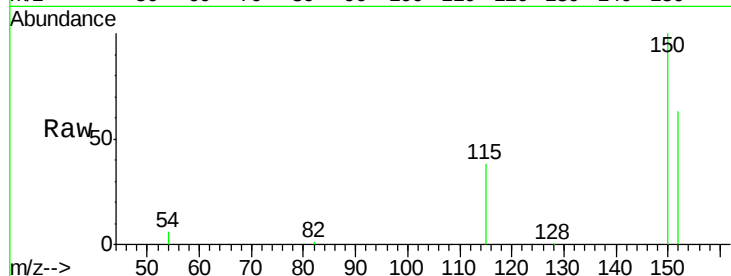
Tot Ion:152 Resp: 11744

Ion Ratio Lower Upper

152 100

150 158.0 106.0 159.0

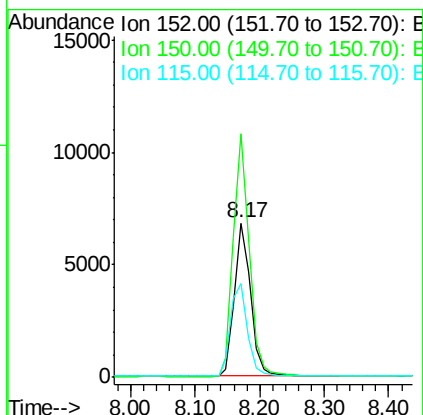
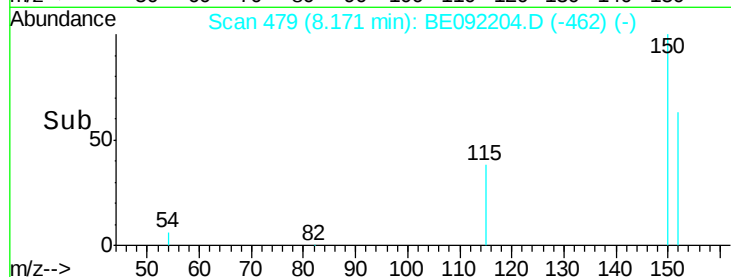
115 60.5 36.9 55.3#



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: 3.73 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092204.D

Acq: 5 Aug 2016 5:09

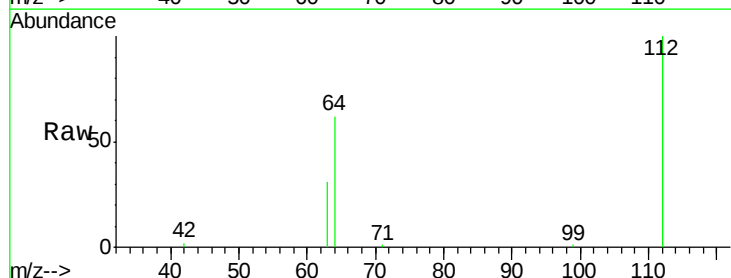
Tgt Ion:112 Resp: 11250

Ion Ratio Lower Upper

112 100

64 66.6 55.9 83.9

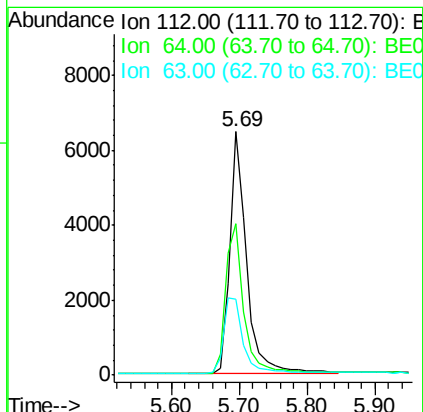
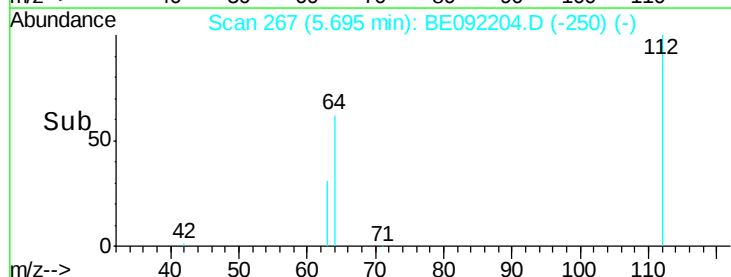
63 36.2 31.1 46.7



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: 2.22 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092204.D

Acq: 5 Aug 2016 5:09

Instrument :

BNA_E

ClientSampleId :

GW-60-7.5-12.5

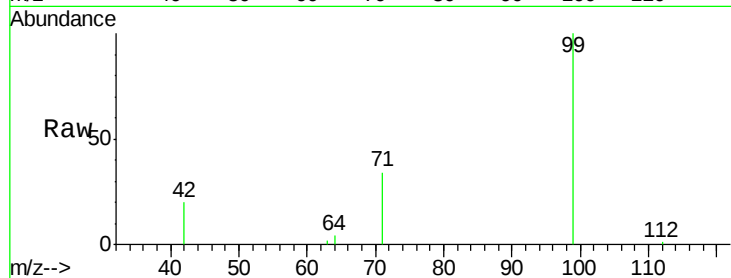
Tot Ion: 99 Resp: 8917

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

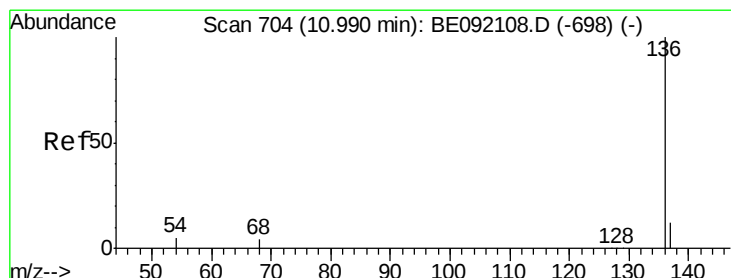
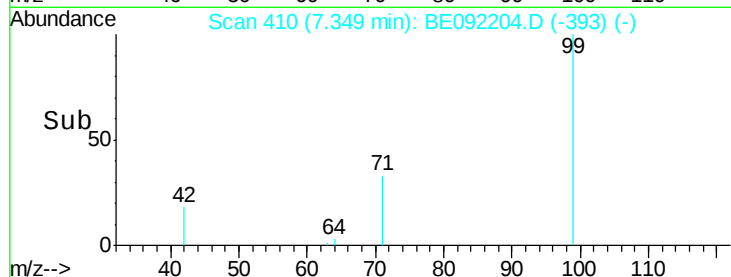
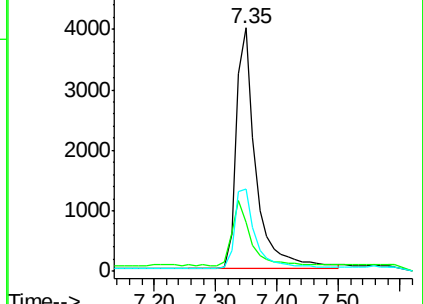
71 35.2 28.9 43.3



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: BE092204.D

Acq: 5 Aug 2016 5:09

Tgt Ion: 136 Resp: 52733

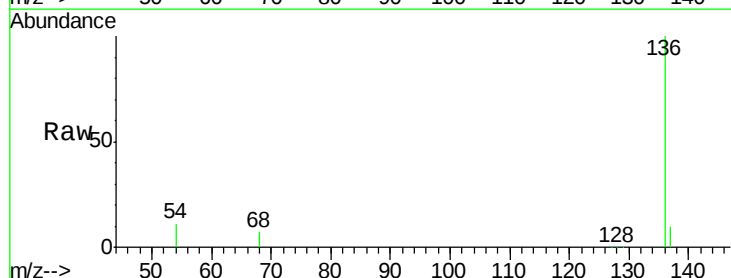
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 10.8 2.7 4.1#

68 7.5 2.2 3.4#

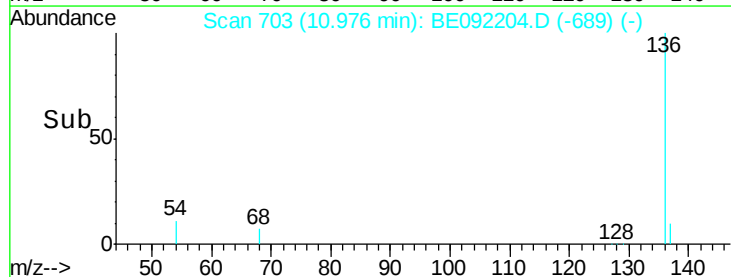
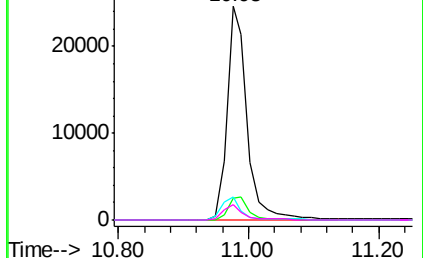


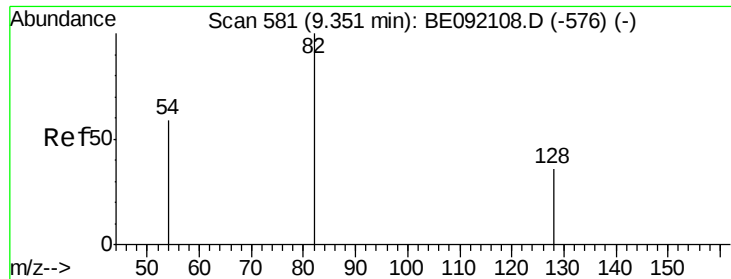
Abundance Ion 136.00 (135.70 to 136.70): BE092108.D (-698) (-)

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: 3.33 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092204.D

Acq: 5 Aug 2016 5:09

Instrument :

BNA_E

ClientSampleId :

GW-60-7.5-12.5

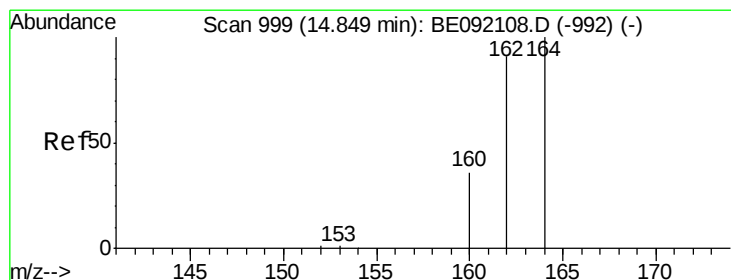
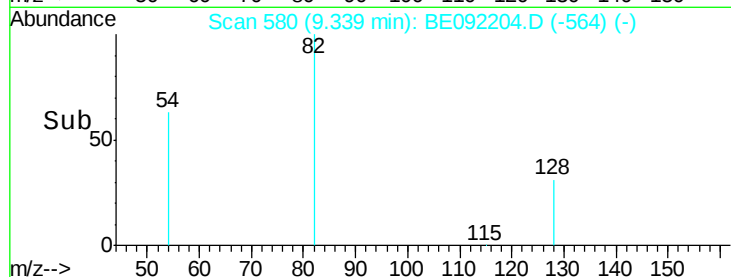
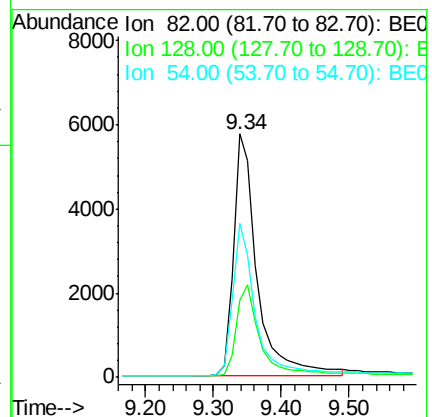
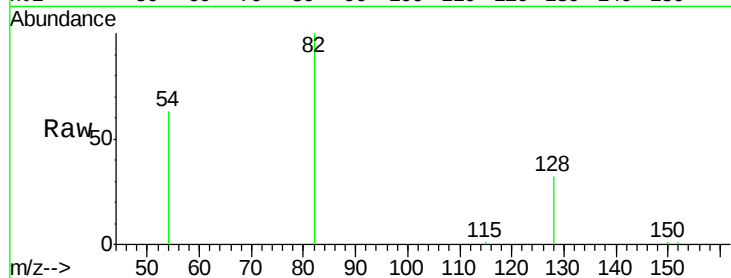
Tot Ion: 82 Resp: 13875

Ion Ratio Lower Upper

82 100

128 31.5 33.0 49.4#

54 63.1 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: BE092204.D

Acq: 5 Aug 2016 5:09

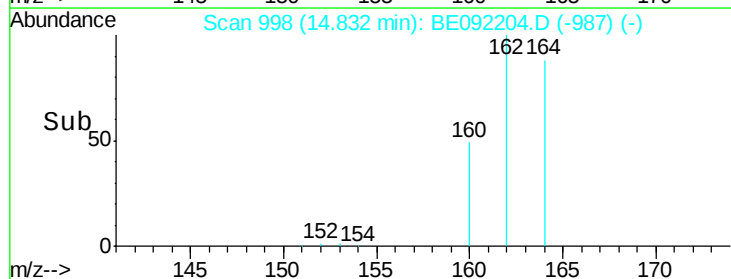
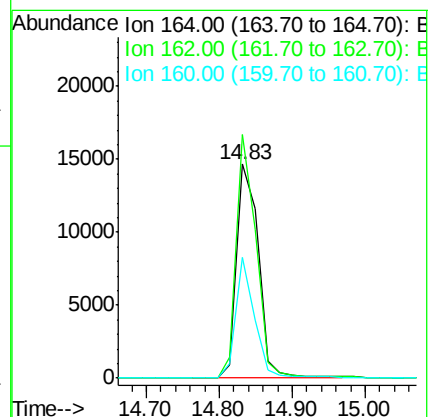
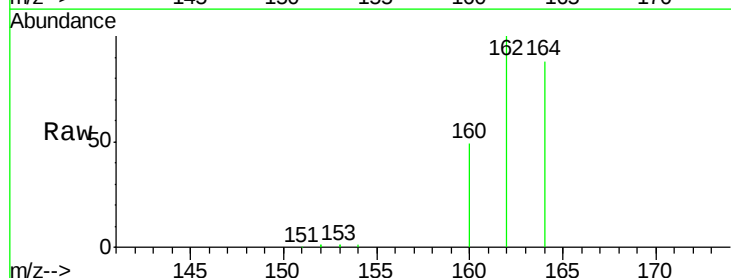
Tgt Ion: 164 Resp: 29459

Ion Ratio Lower Upper

164 100

162 113.7 69.5 104.3#

160 56.2 27.6 41.4#

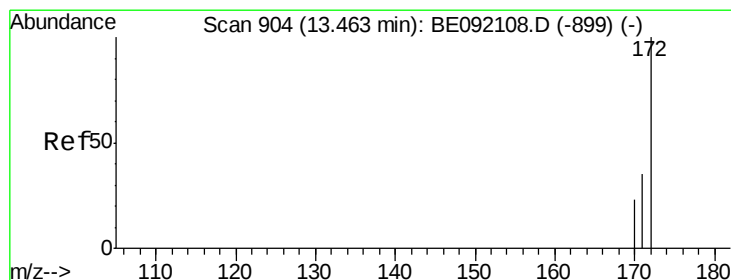
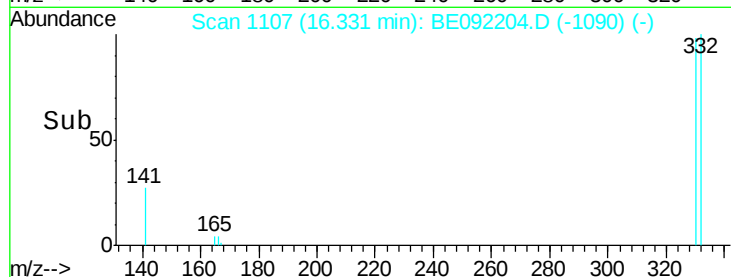
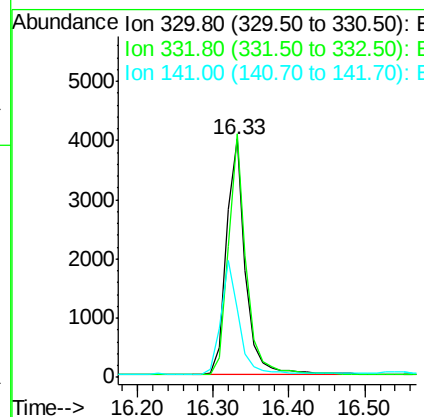
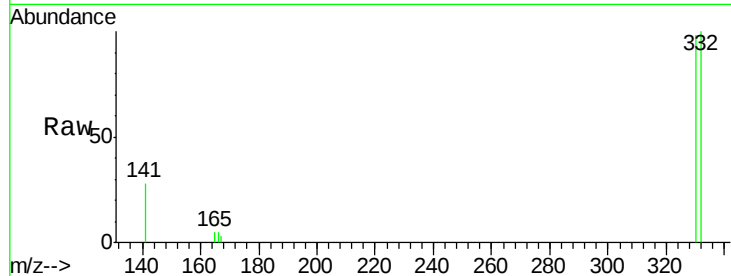




#11
 2,4,6-Tribromophenol
 Concen: 7.41 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092204.D
 Acq: 5 Aug 2016 5:09

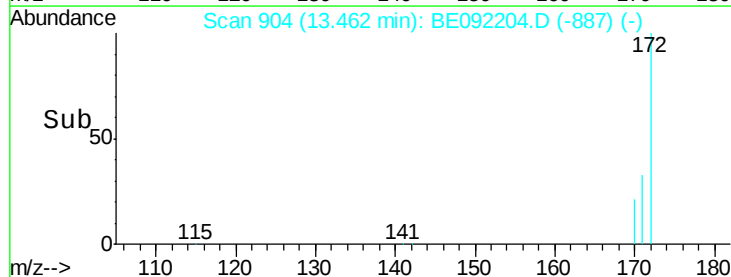
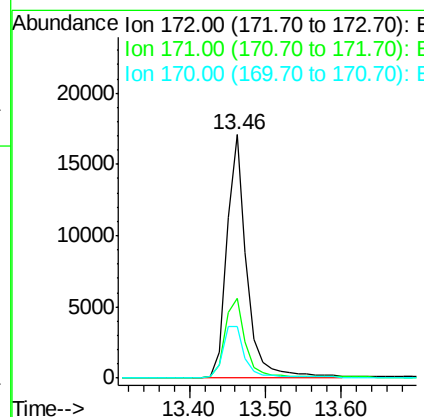
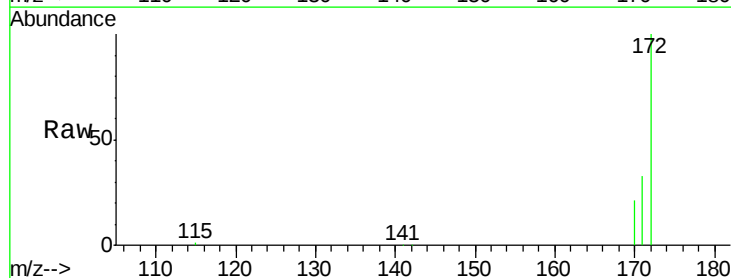
Instrument :
 BNA_E
 ClientSampleId :
 GW-60-7.5-12.5

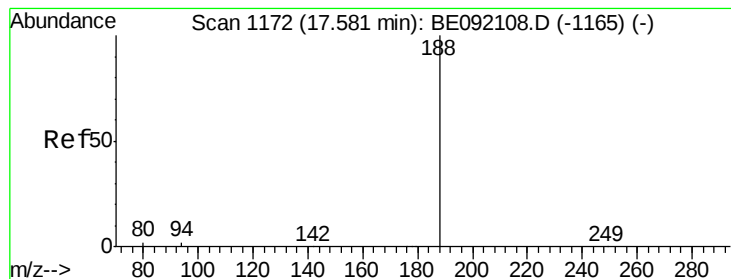
Tot Ion:330 Resp: 7091
 Ion Ratio Lower Upper
 330 100
 332 96.5 74.2 111.4
 141 44.9 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.36 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092204.D
 Acq: 5 Aug 2016 5:09

Tgt Ion:172 Resp: 31351
 Ion Ratio Lower Upper
 172 100
 171 32.9 30.3 45.5
 170 21.3 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: BE092204.D

Acq: 5 Aug 2016 5:09

Instrument :

BNA_E

ClientSampleId :

GW-60-7.5-12.5

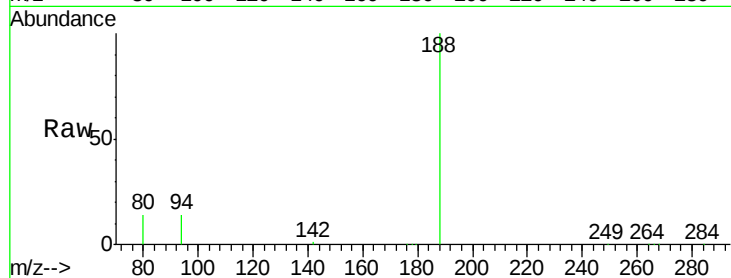
Tot Ion:188 Resp: 67892

Ion Ratio Lower Upper

188 100

94 13.7 3.9 5.9#

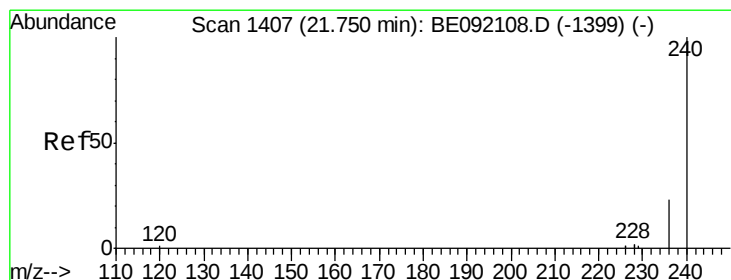
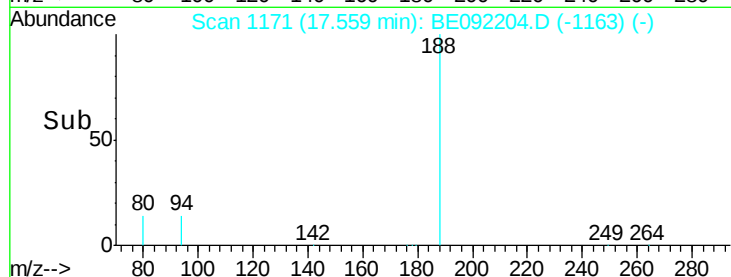
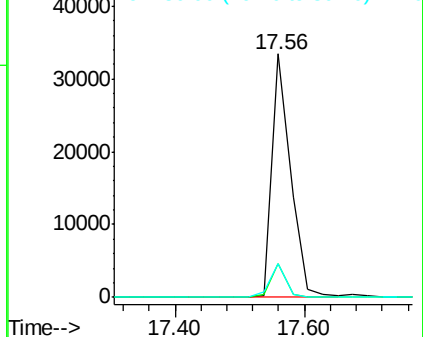
80 14.1 3.4 5.0#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.73 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BE092204.D

Acq: 5 Aug 2016 5:09

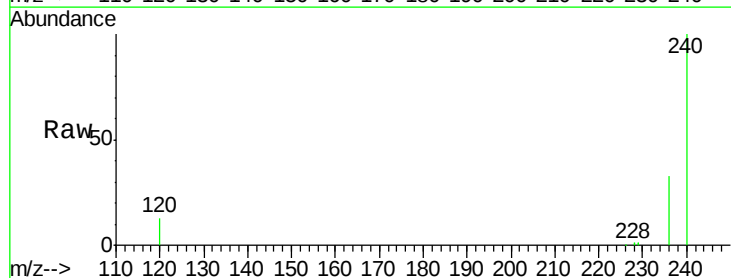
Tgt Ion:240 Resp: 81212

Ion Ratio Lower Upper

240 100

120 13.1 0.6 1.0#

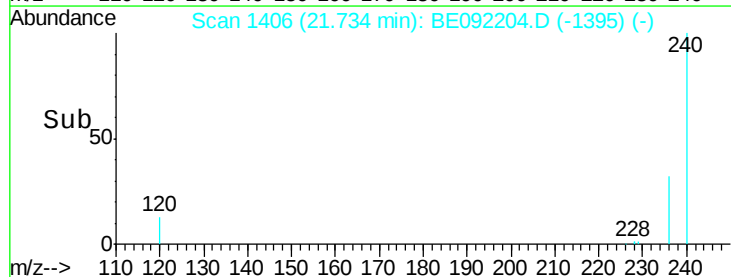
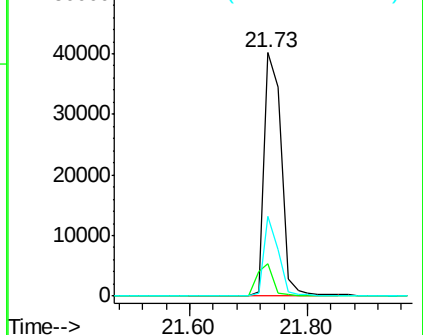
236 32.6 18.2 27.4#

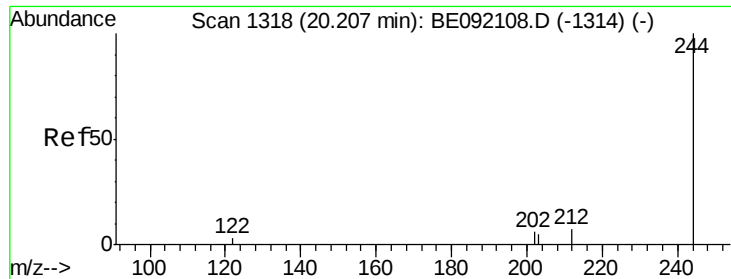


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.07 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092204.D

Acq: 5 Aug 2016 5:09

Instrument :

BNA_E

ClientSampleId :

GW-60-7.5-12.5

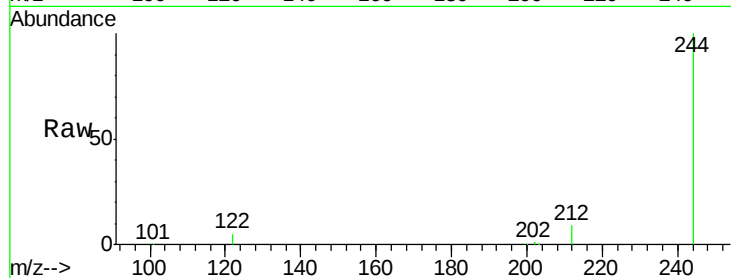
Tot Ion:244 Resp: 47413

Ion Ratio Lower Upper

244 100

212 8.5 9.1 13.7#

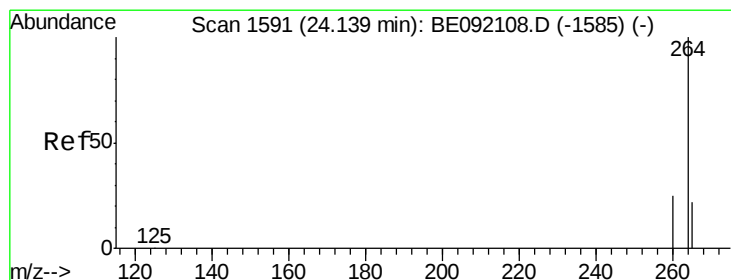
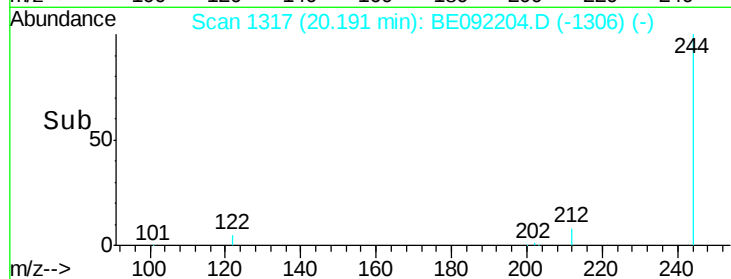
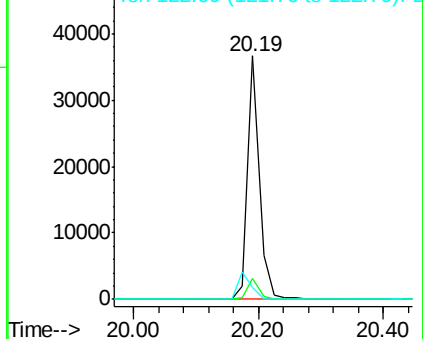
122 5.1 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092204.D

Acq: 5 Aug 2016 5:09

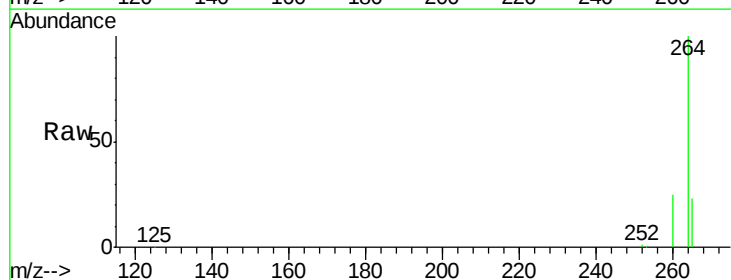
Tgt Ion:264 Resp: 80360

Ion Ratio Lower Upper

264 100

260 24.9 20.8 31.2

265 22.6 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

