

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092153.D
 Acq On : 3 Aug 2016 20:07
 Operator : UM/SJ
 Sample : H4176-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-29-5.9-15.0

Quant Time: Aug 04 13:30:37 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

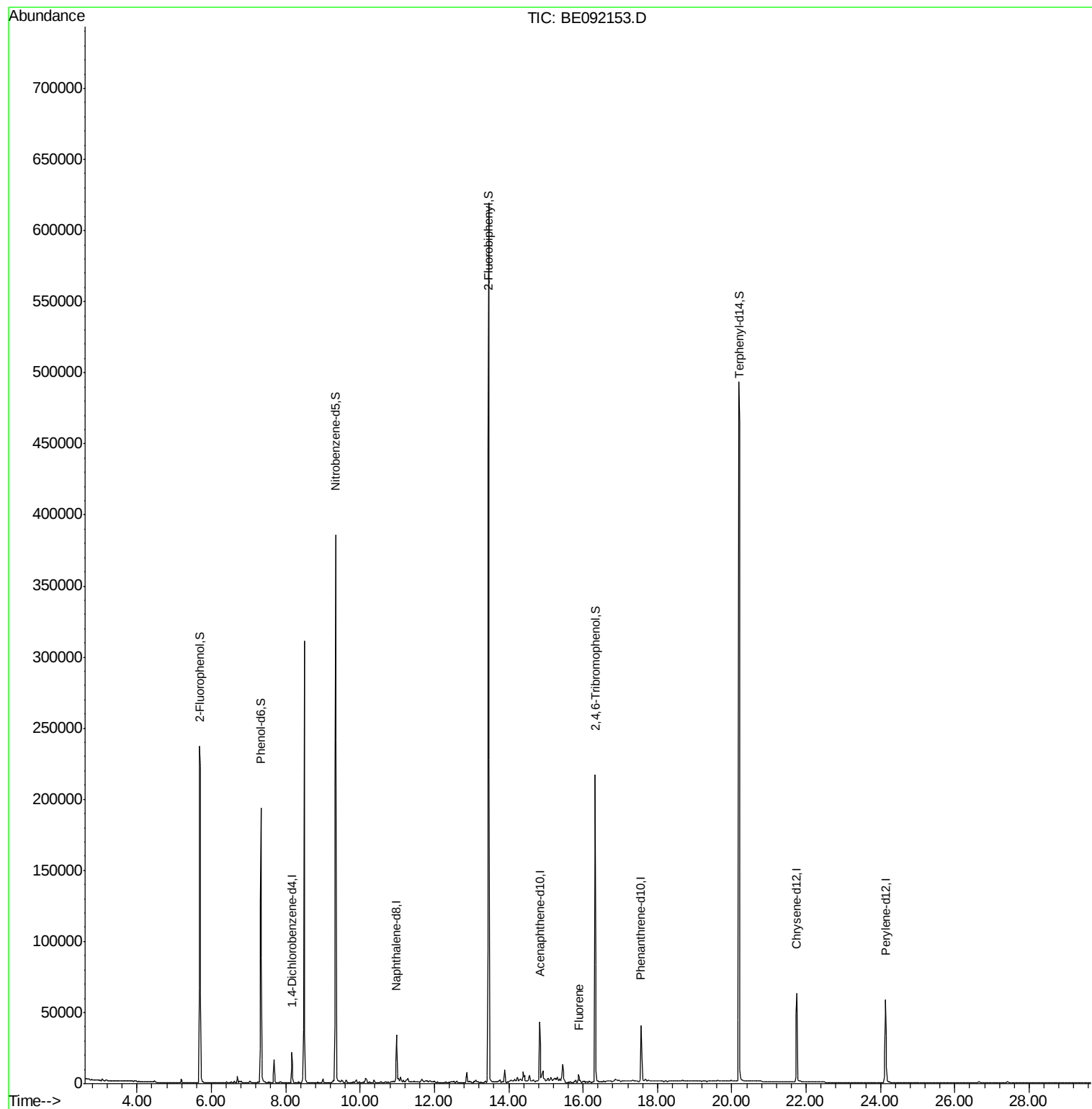
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10881	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	49189	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	28981	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	62835	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	85894	5.00	ng	0.00
28) Perylene-d12	24.14	264	85517	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	206539	73.91	ng	0.00
5) Phenol-d6	7.34	99	194641	52.28	ng	-0.01
7) Nitrobenzene-d5	9.34	82	327433	84.36	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	142326	151.24	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	616213	67.10	ng	0.00
24) Terphenyl-d14	20.21	244	827055	67.05	ng	0.00
Target Compounds						
15) Fluorene	15.88	166	4079	0.39	ng	Qvalue # 81

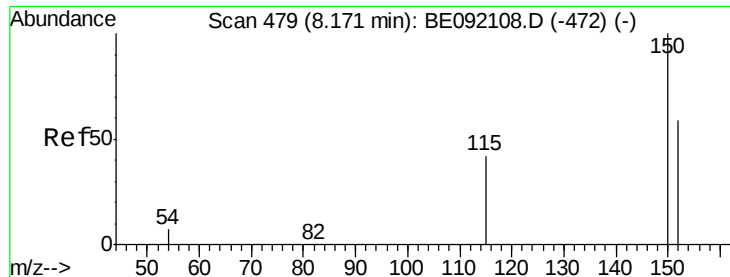
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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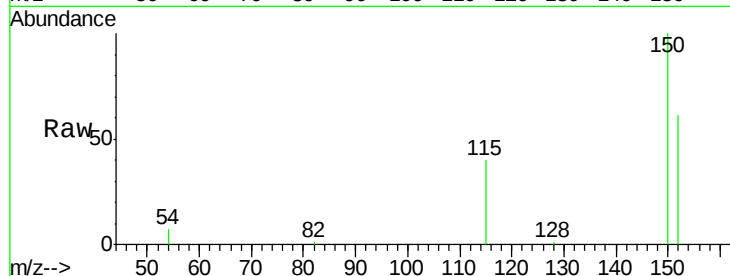




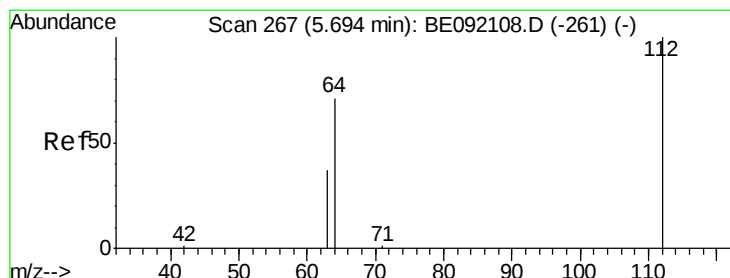
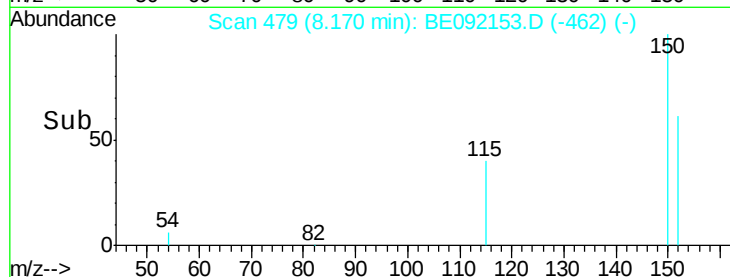
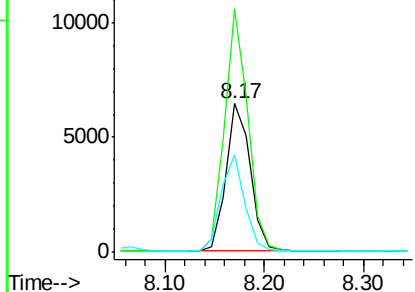
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

Instrument :
 BNA_E
 ClientSampleId :
 GW-29-5.9-15.0

Tgt Ion:152 Resp: 10881
 Ion Ratio Lower Upper
 152 100
 150 163.6 106.0 159.0#
 115 66.0 36.9 55.3#

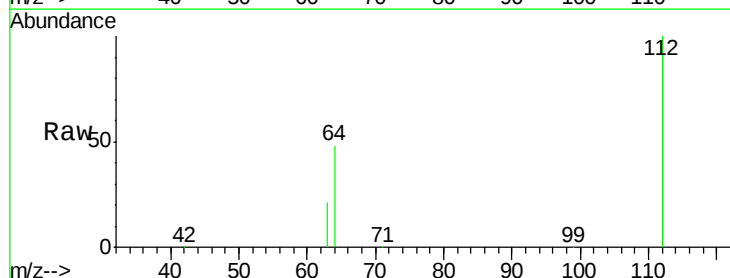


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

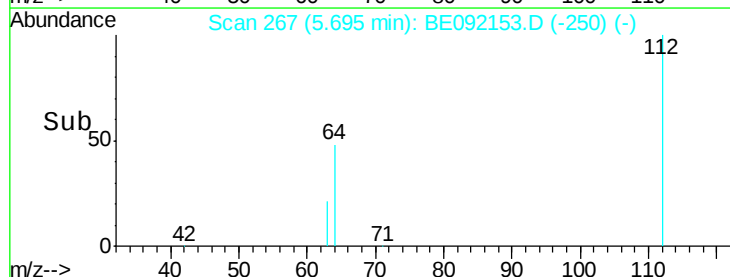
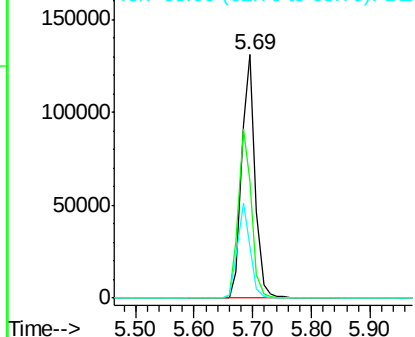


#4
 2-Fluorophenol
 Concen: 73.91 ng
 RT: 5.69 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

Tgt Ion:112 Resp: 206539
 Ion Ratio Lower Upper
 112 100
 64 68.4 55.9 83.9
 63 37.1 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: 52.28 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

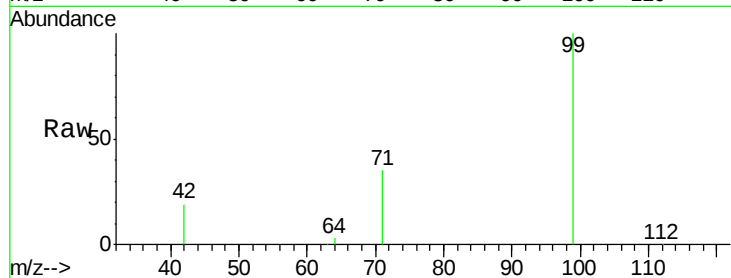
Tgt Ion: 99 Resp: 194641

Ion Ratio Lower Upper

99 100

42 25.2 22.4 33.6

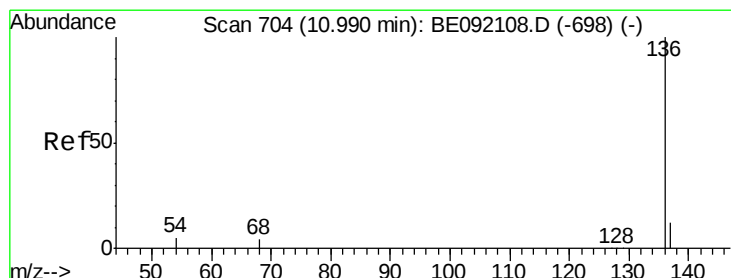
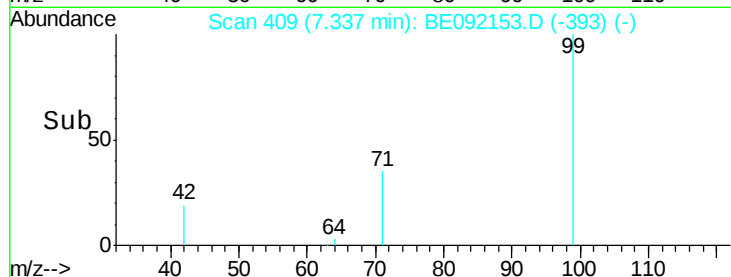
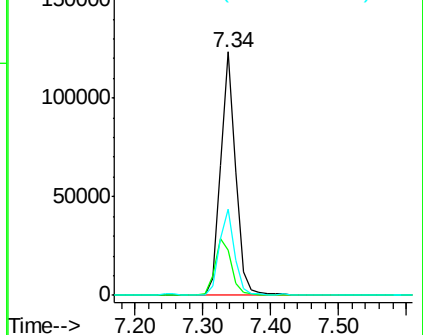
71 36.0 28.9 43.3



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. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Tgt Ion: 136 Resp: 49189

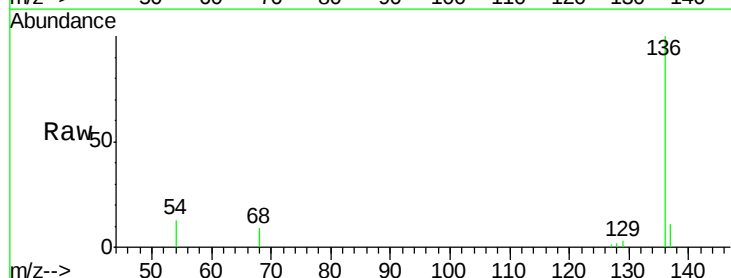
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 12.7 2.7 4.1#

68 9.5 2.2 3.4#

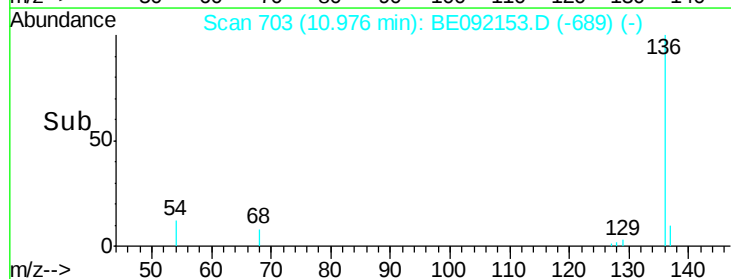
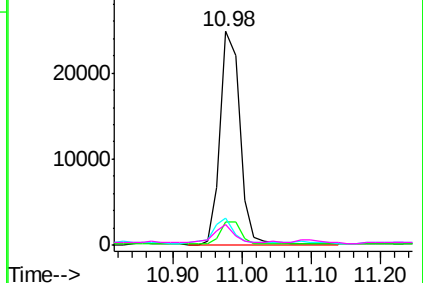


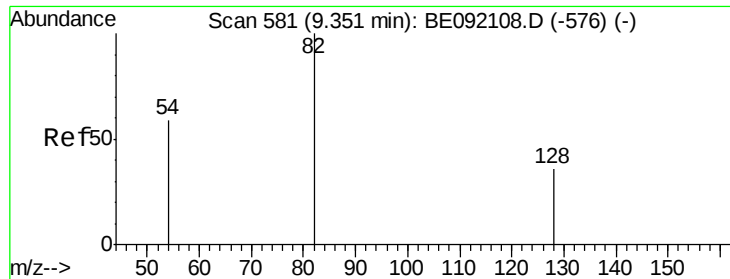
Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.36 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

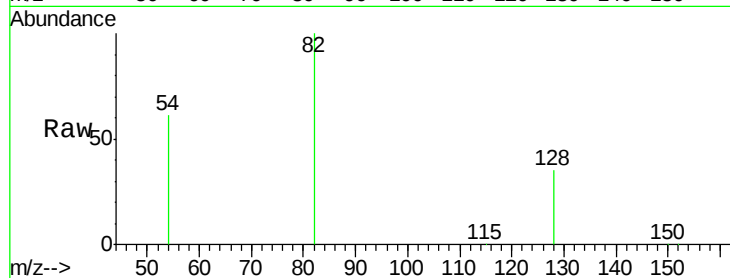
Tgt Ion: 82 Resp: 327433

Ion Ratio Lower Upper

82 100

128 35.2 33.0 49.4

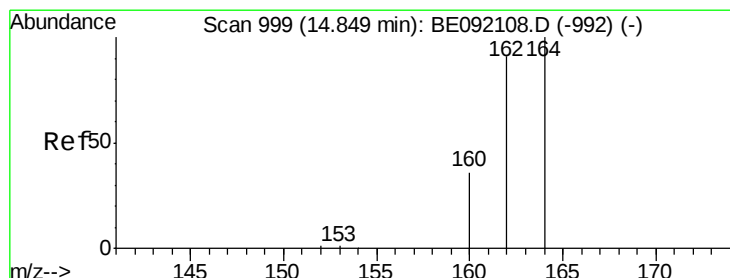
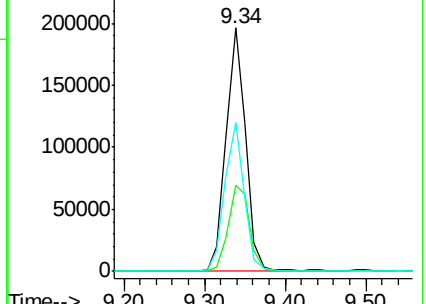
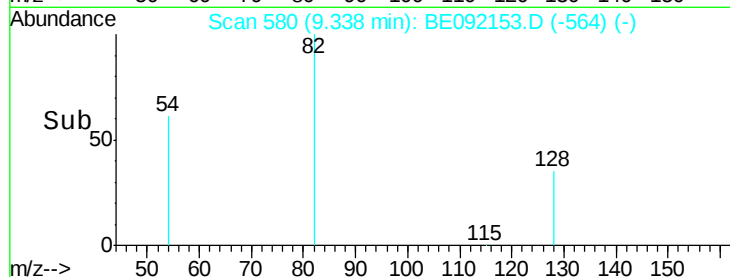
54 61.3 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-576) (-)



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

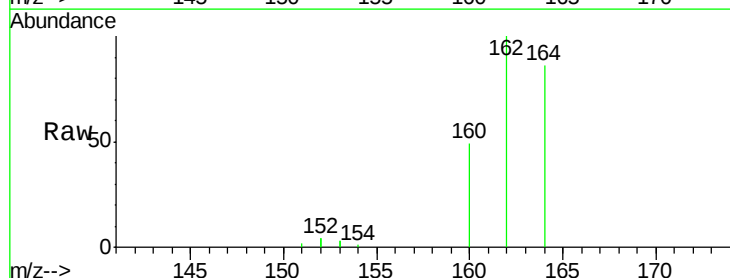
Tgt Ion: 164 Resp: 28981

Ion Ratio Lower Upper

164 100

162 115.8 69.5 104.3#

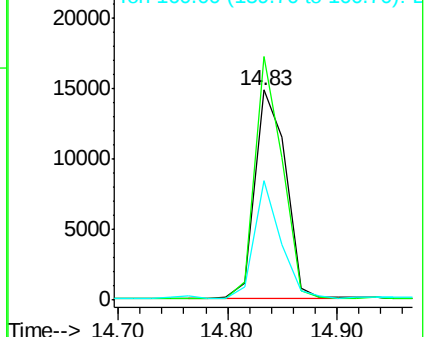
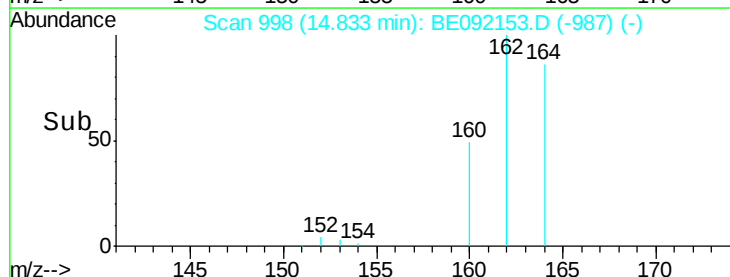
160 57.1 27.6 41.4#



Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

Ion 162.00 (161.70 to 162.70): BE092108.D (-992) (-)

Ion 160.00 (159.70 to 160.70): BE092108.D (-992) (-)

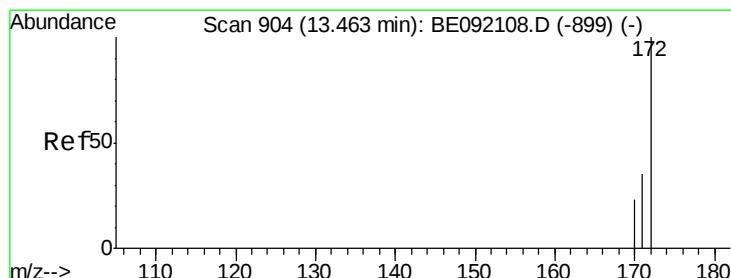
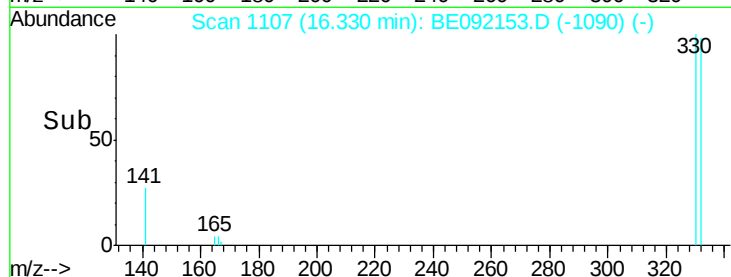
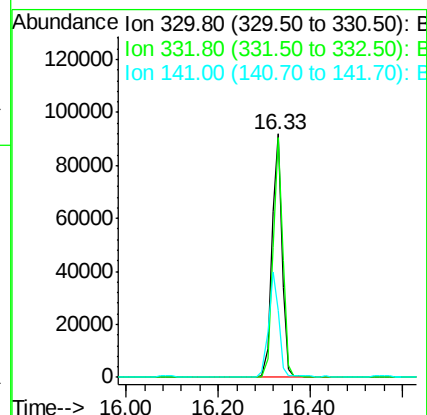
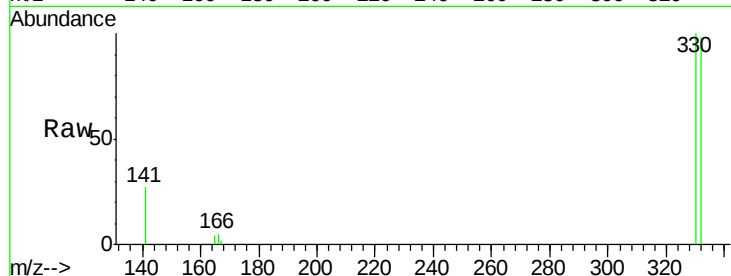




#11
 2,4,6-Tribromophenol
 Concen: 151.24 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

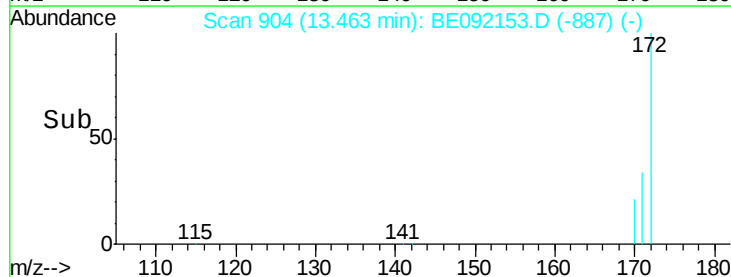
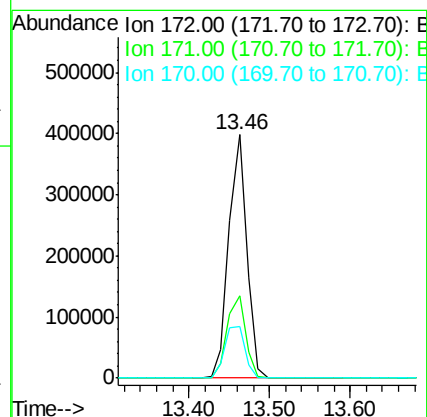
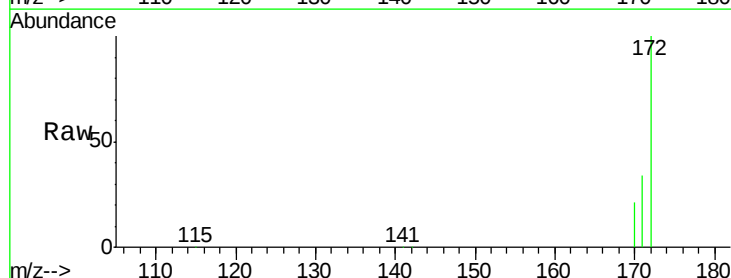
Instrument :
 BNA_E
 ClientSampleId :
 GW-29-5.9-15.0

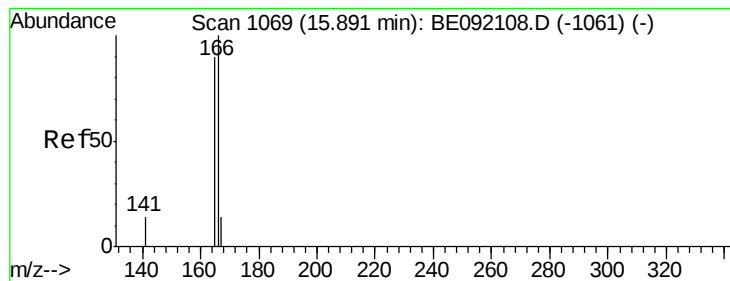
Tgt Ion:330 Resp: 142326
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.2 111.4
 141 43.7 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 67.10 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092153.D
 Acq: 3 Aug 2016 20:07

Tgt Ion:172 Resp: 616213
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.3 45.5
 170 21.4 21.6 32.4#





#15

Fluorene

Concen: 0.39 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

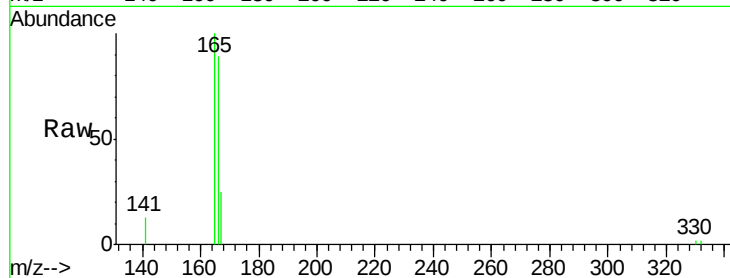
Tgt Ion:166 Resp: 4079

Ion Ratio Lower Upper

166 100

165 116.6 78.6 118.0

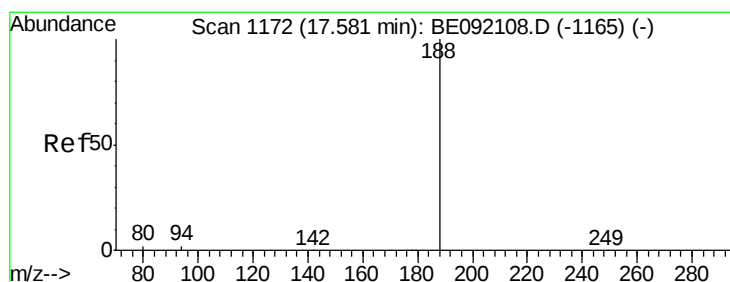
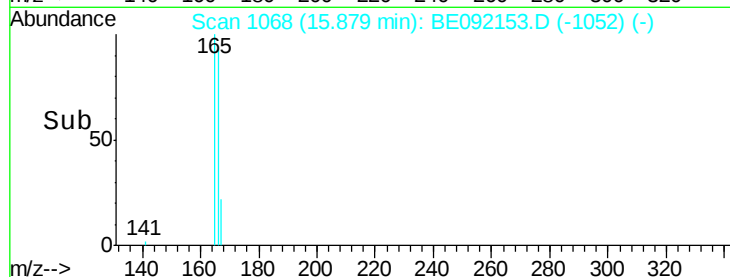
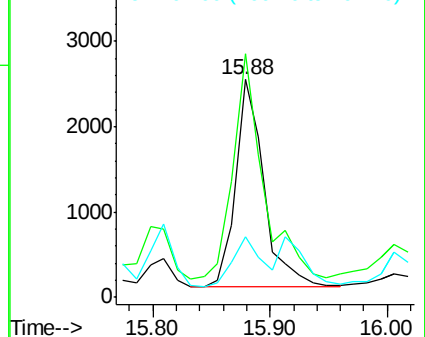
167 24.3 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

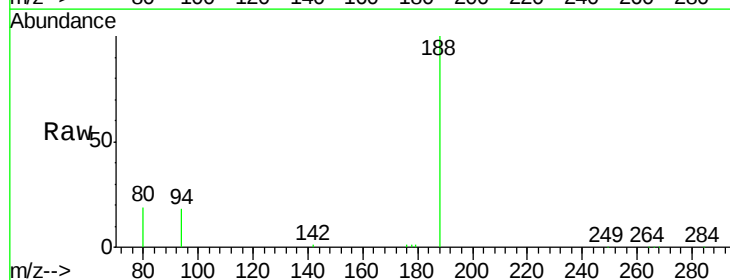
Tgt Ion:188 Resp: 62835

Ion Ratio Lower Upper

188 100

94 18.3 3.9 5.9#

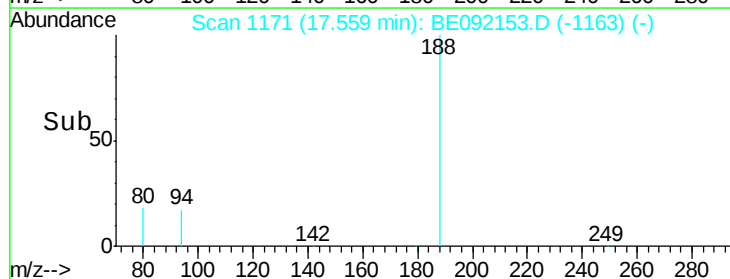
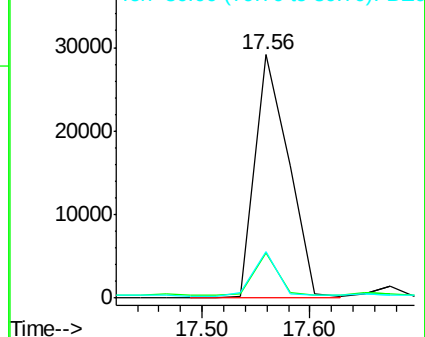
80 19.0 3.4 5.0#

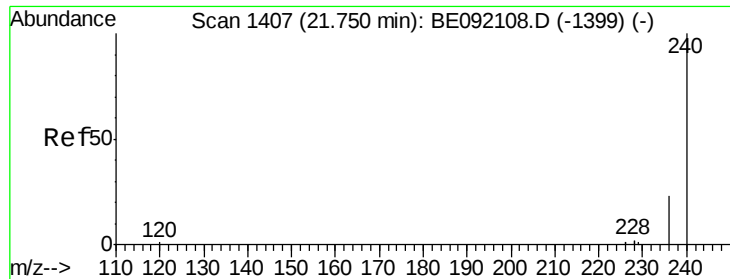


Abundance Ion 188.00 (187.70 to 188.70): E

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: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

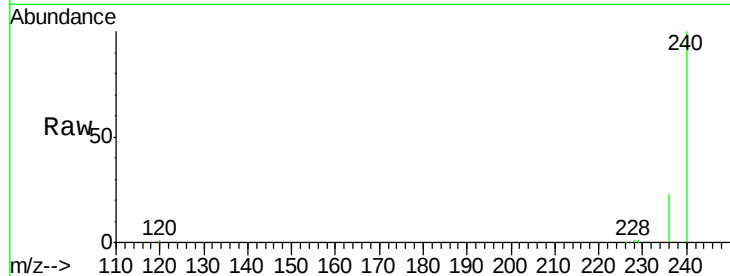
Tgt Ion:240 Resp: 85894

Ion Ratio Lower Upper

240 100

120 1.4 0.6 1.0#

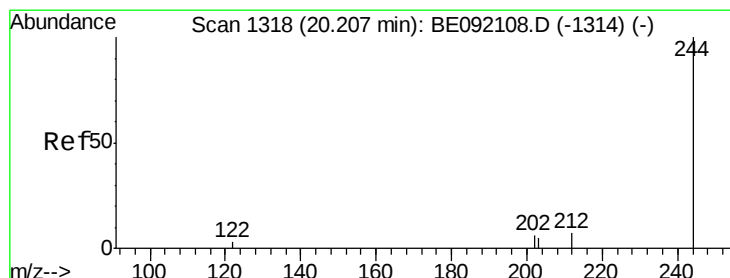
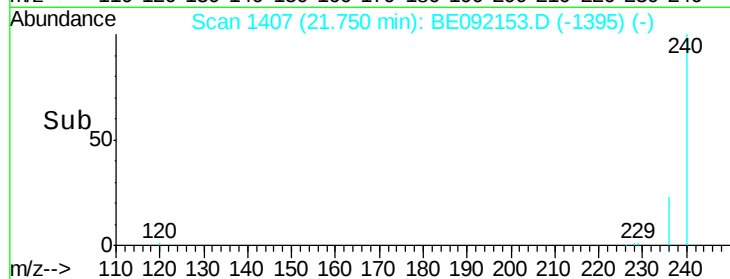
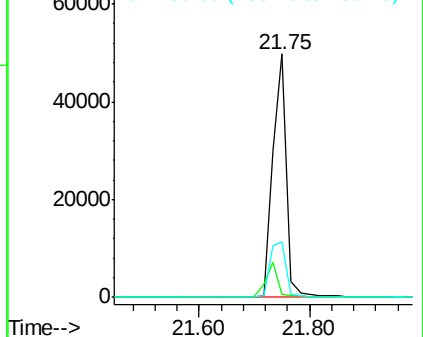
236 23.0 18.2 27.4



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: 67.05 ng

RT: 20.21 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BE092153.D

Acq: 3 Aug 2016 20:07

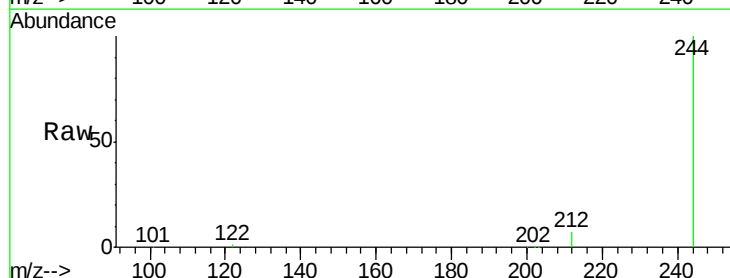
Tgt Ion:244 Resp: 827055

Ion Ratio Lower Upper

244 100

212 7.2 9.1 13.7#

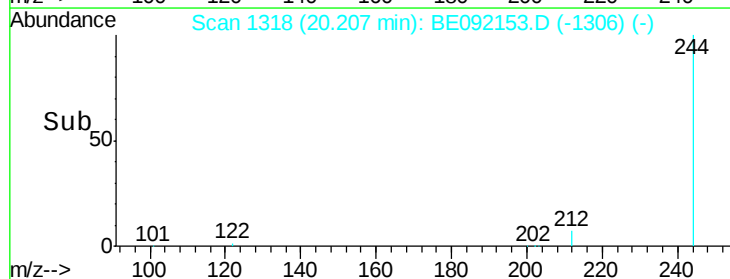
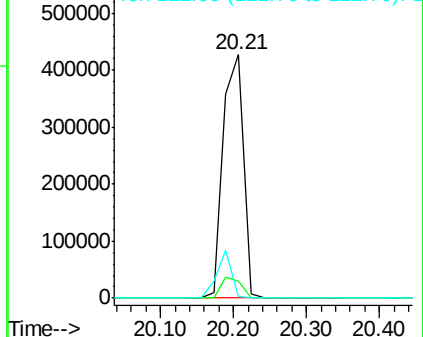
122 0.8 11.0 16.4#

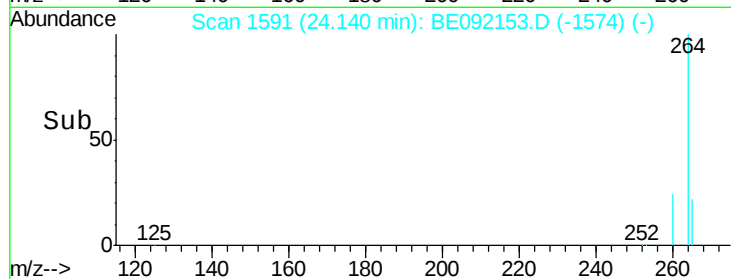
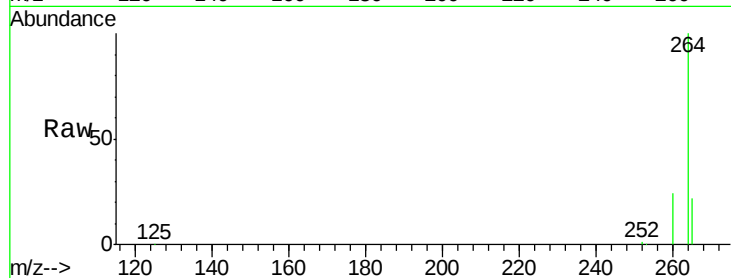
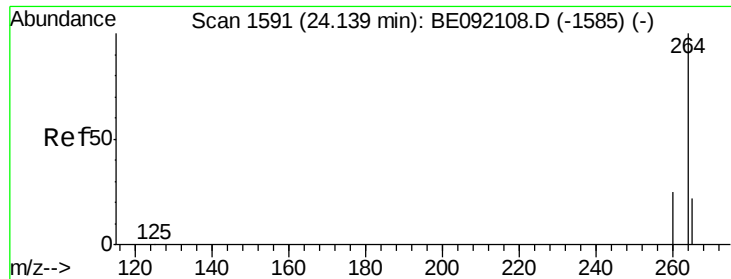


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE092153.D

Acq: 3 Aug 2016 20:07

Instrument :

BNA_E

ClientSampleId :

GW-29-5.9-15.0

Tgt Ion:264 Resp: 85517

Ion Ratio Lower Upper

264 100

260 24.4 20.8 31.2

265 22.3 16.6 25.0

