

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092195.D
 Acq On : 4 Aug 2016 23:05
 Operator : UM/SJ
 Sample : H4269-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-54-16.1-20.0

Quant Time: Aug 05 03:58:26 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

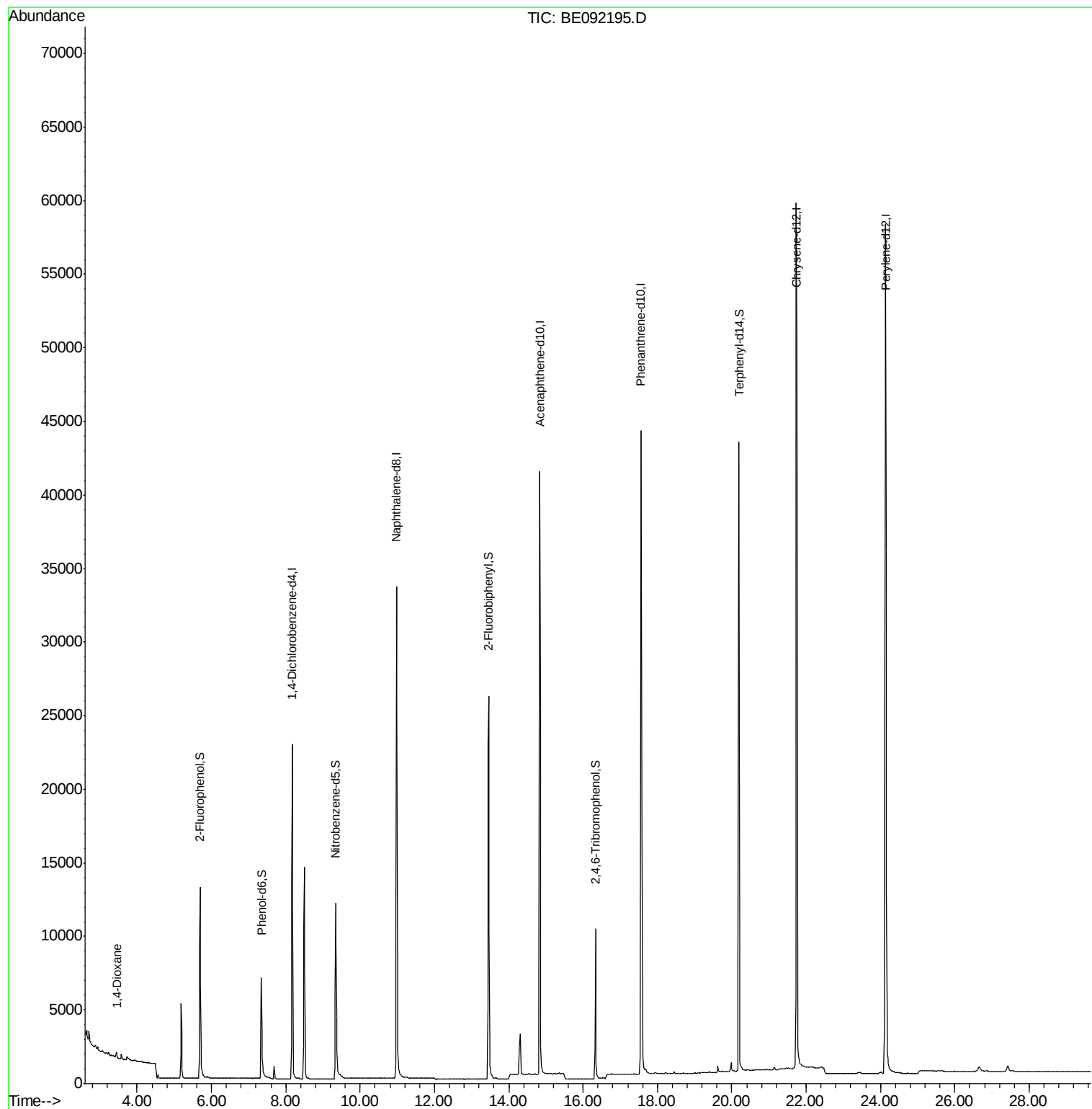
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11616	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	52989	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29046	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	70022	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	85663	5.00	ng	0.00
28) Perylene-d12	24.14	264	85049	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11643	3.90	ng	0.00
5) Phenol-d6	7.35	99	9587	2.41	ng	0.00
7) Nitrobenzene-d5	9.34	82	13393	3.20	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7272	7.71	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30726	3.34	ng	0.00
24) Terphenyl-d14	20.19	244	49531	4.03	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	309	0.20	ng	Qvalue # 56

(#) = 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: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

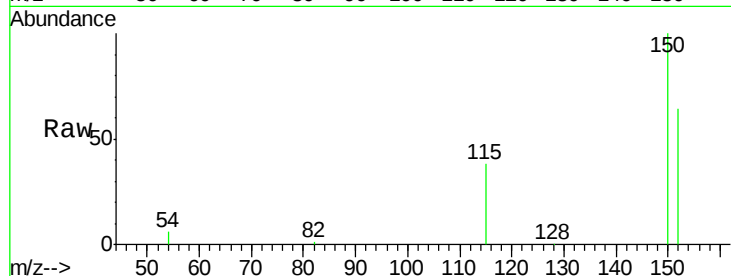
Tot Ion:152 Resp: 11616

Ion Ratio Lower Upper

152 100

150 157.1 106.0 159.0

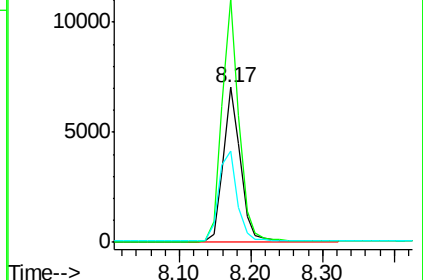
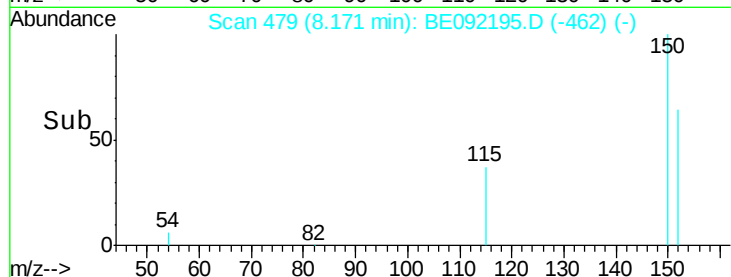
115 59.3 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 0.20 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

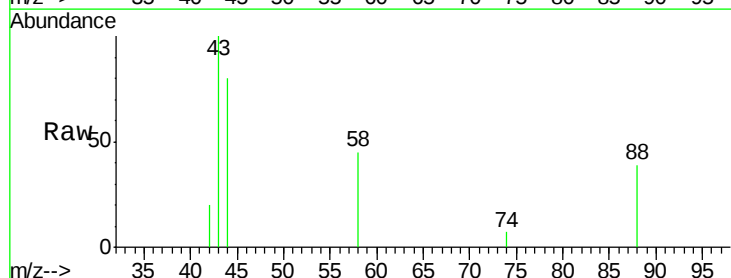
Tgt Ion: 88 Resp: 309

Ion Ratio Lower Upper

88 100

58 93.5 62.1 93.1#

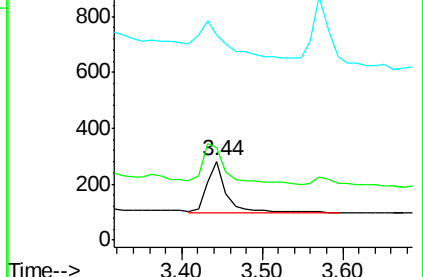
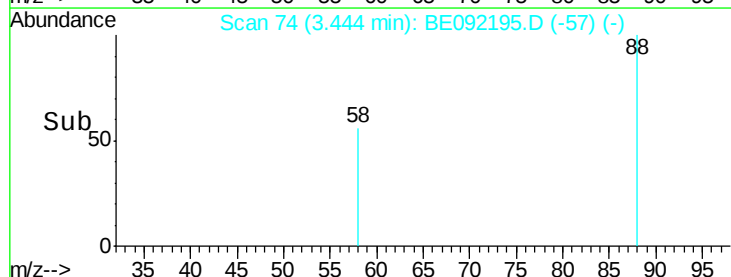
43 92.6 27.2 40.8#

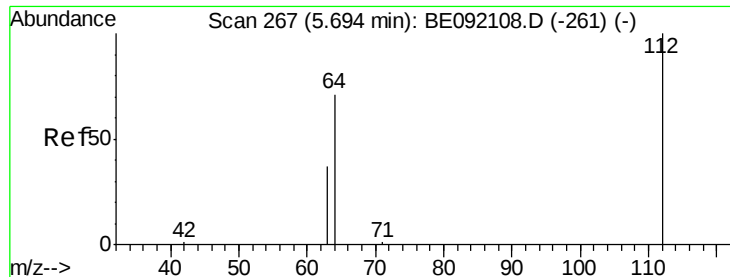


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.90 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

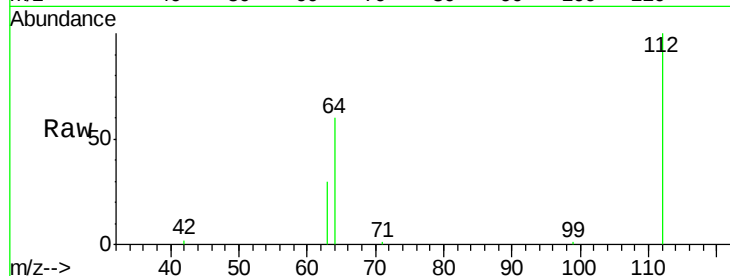
Tot Ion:112 Resp: 11643

Ion Ratio Lower Upper

112 100

64 66.7 55.9 83.9

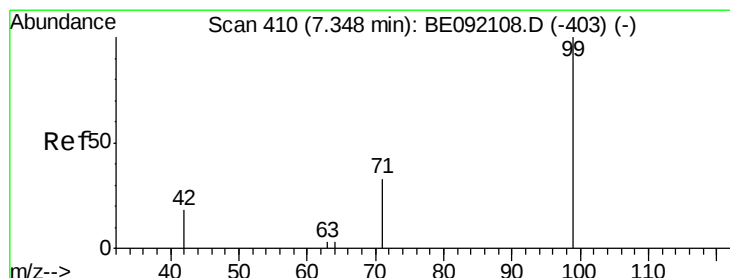
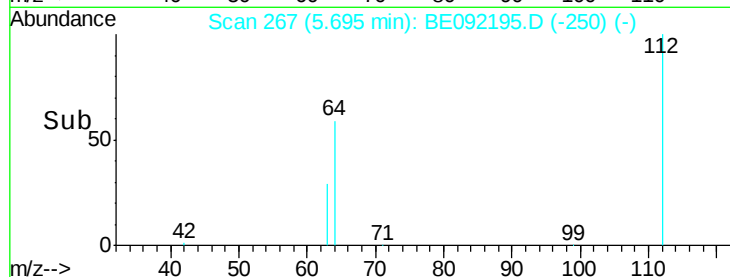
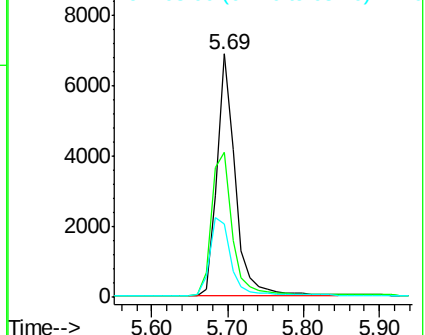
63 36.4 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 2.41 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

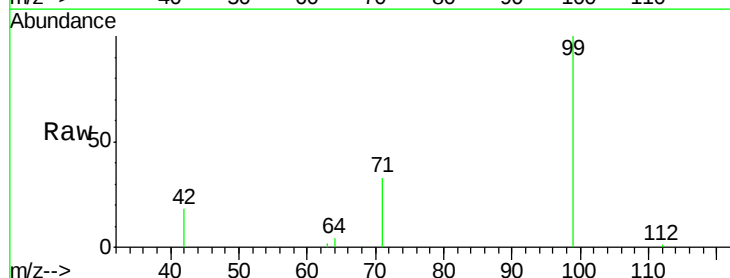
Tgt Ion: 99 Resp: 9587

Ion Ratio Lower Upper

99 100

42 25.1 22.4 33.6

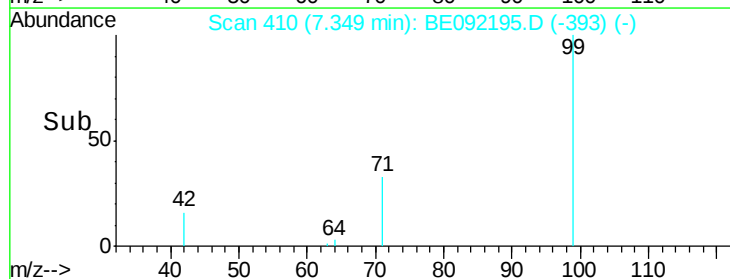
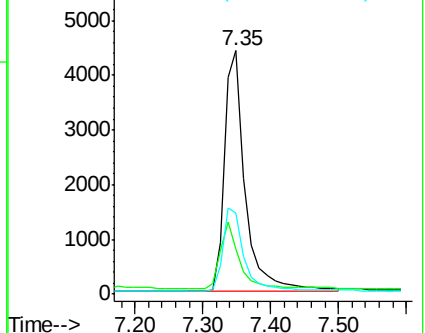
71 35.5 28.9 43.3

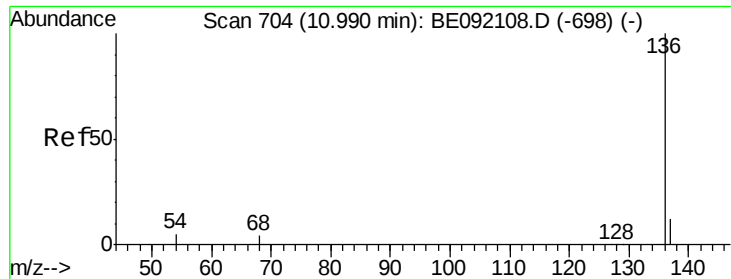


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

Tot Ion:136 Resp: 52989

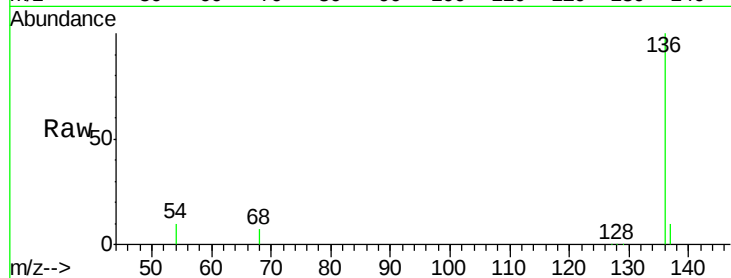
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 10.3 2.7 4.1#

68 7.2 2.2 3.4#

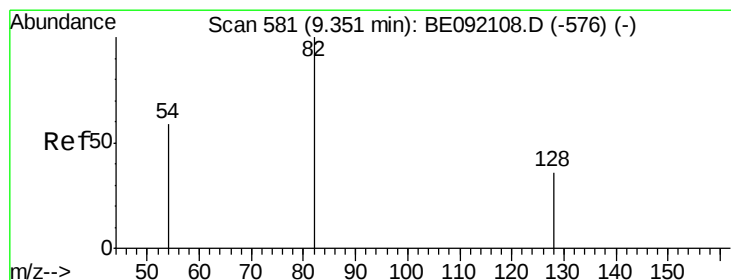
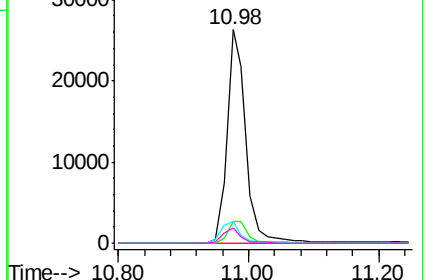
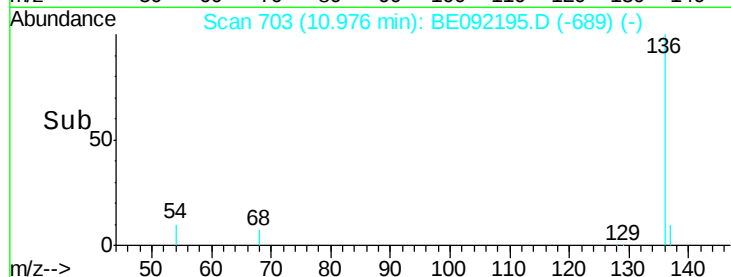


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.20 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

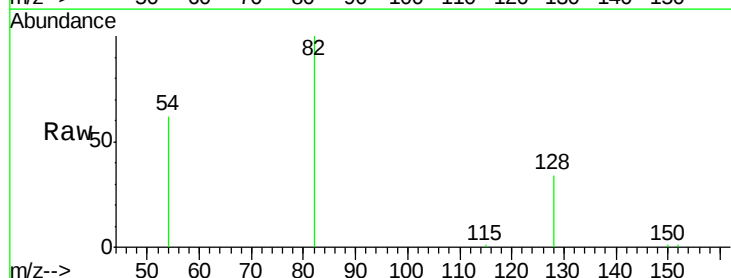
Tgt Ion: 82 Resp: 13393

Ion Ratio Lower Upper

82 100

128 33.9 33.0 49.4

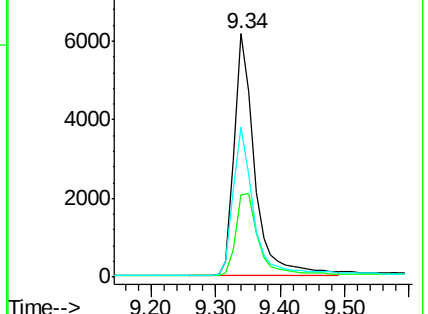
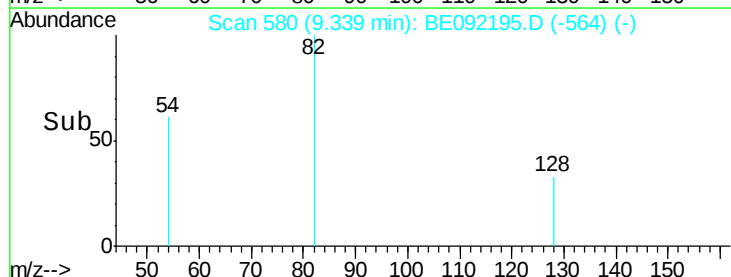
54 61.9 42.6 63.8

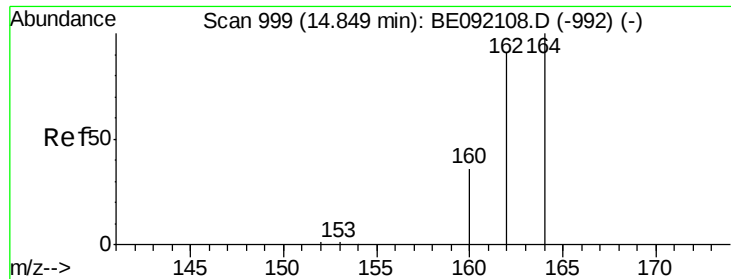


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

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: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

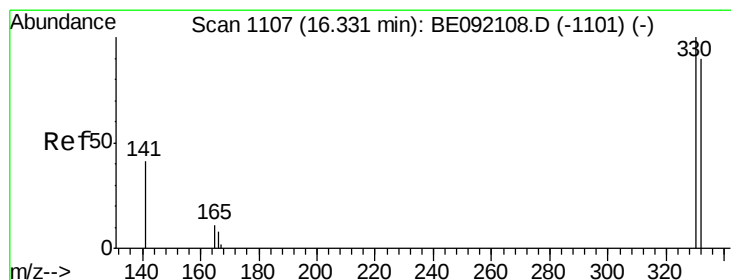
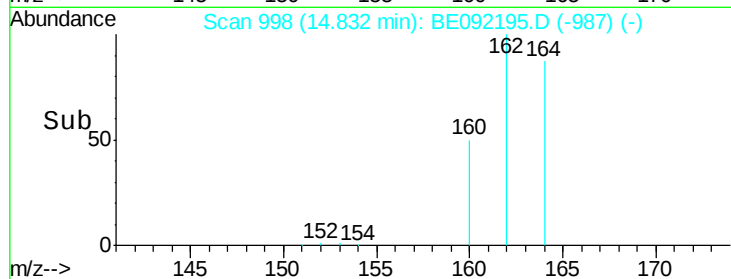
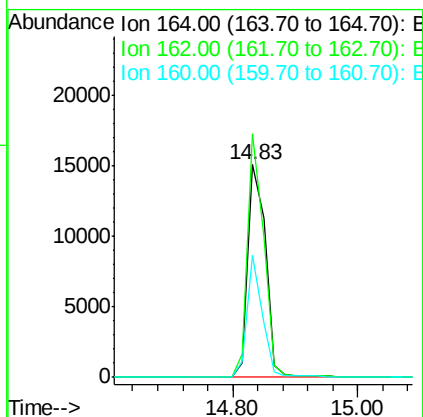
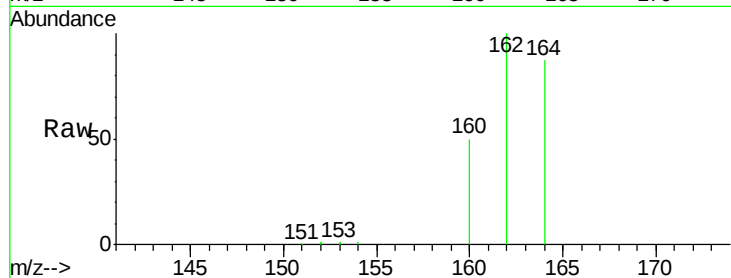
Tot Ion:164 Resp: 29046

Ion Ratio Lower Upper

164 100

162 114.5 69.5 104.3#

160 57.4 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 7.71 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092195.D

Acq: 4 Aug 2016 23:05

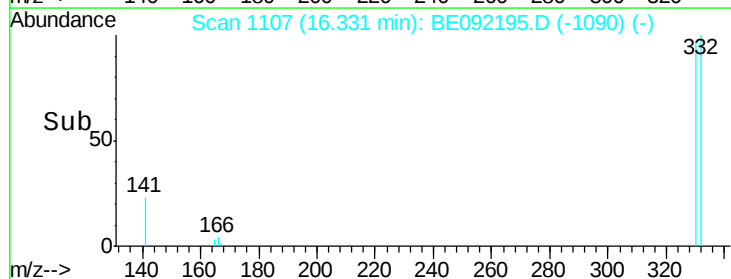
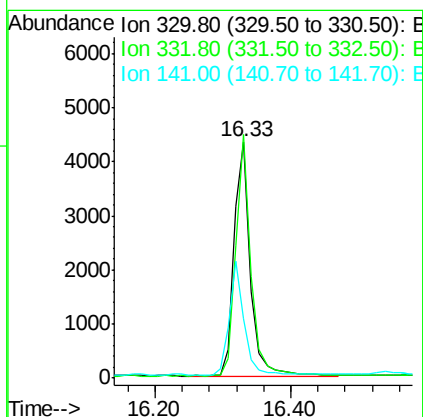
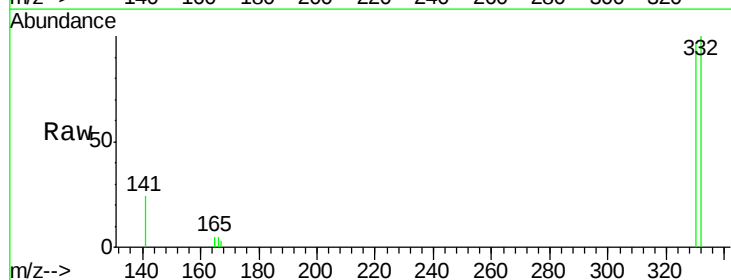
Tgt Ion:330 Resp: 7272

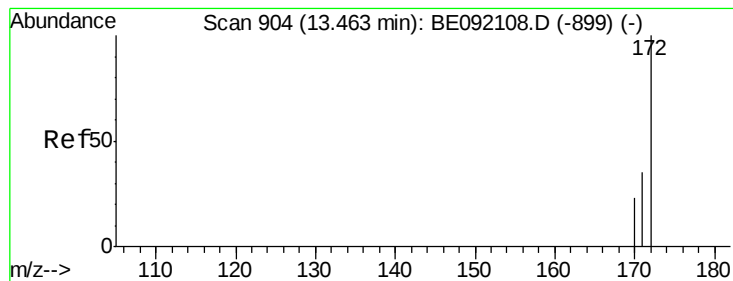
Ion Ratio Lower Upper

330 100

332 96.2 74.2 111.4

141 44.8 139.8 209.8#

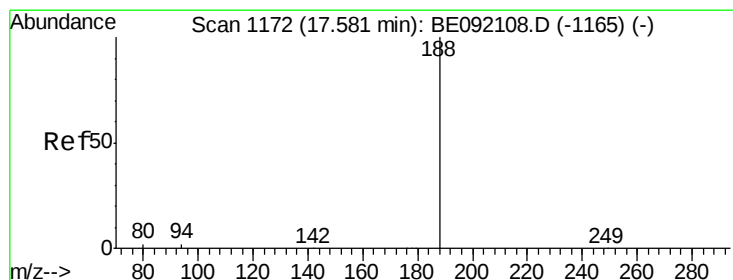
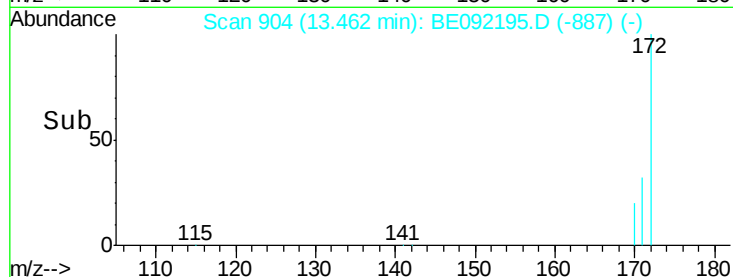
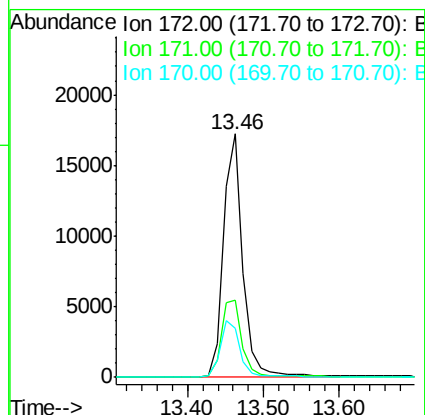
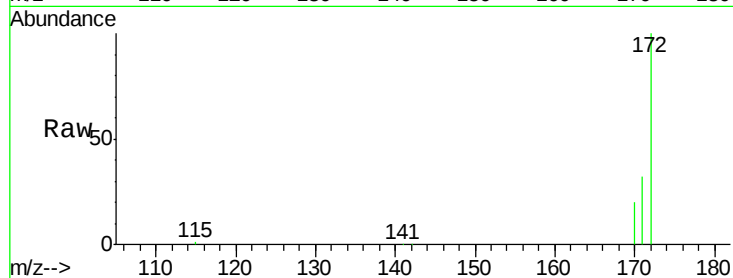




#12
2-Fluorobiphenyl
Concen: 3.34 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

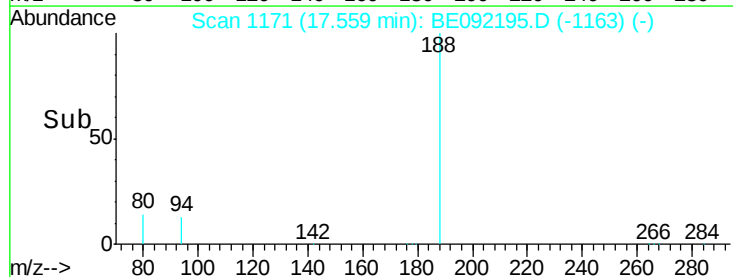
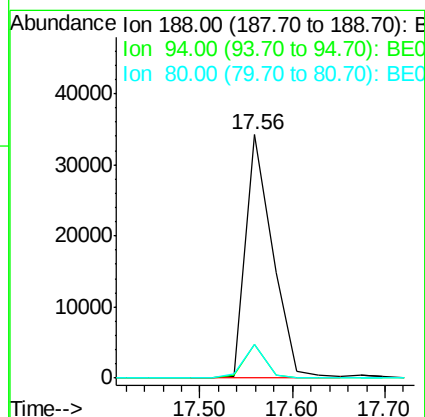
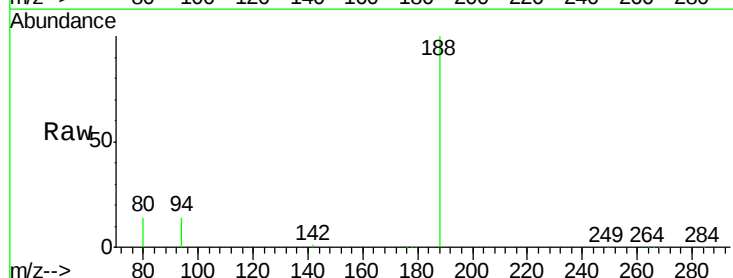
Instrument :
BNA_E
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GW-54-16.1-20.0

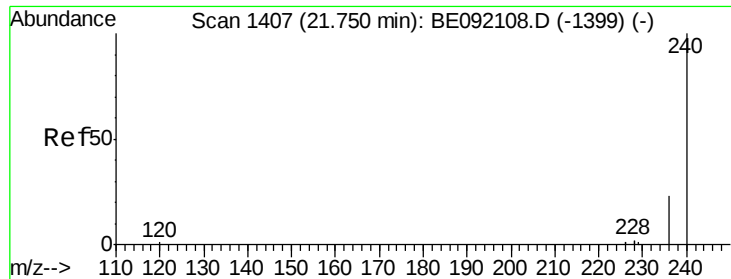
Tot Ion:172 Resp: 30726
Ion Ratio Lower Upper
172 100
171 31.7 30.3 45.5
170 20.0 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

Tgt Ion:188 Resp: 70022
Ion Ratio Lower Upper
188 100
94 13.6 3.9 5.9#
80 14.1 3.4 5.0#

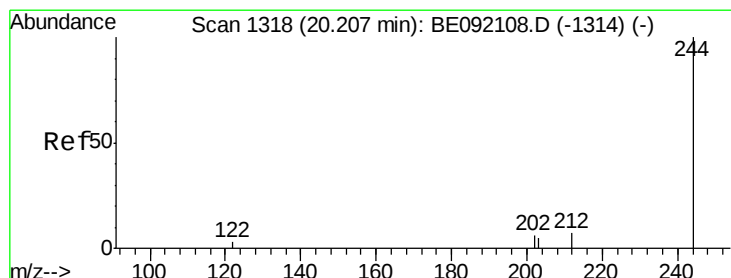
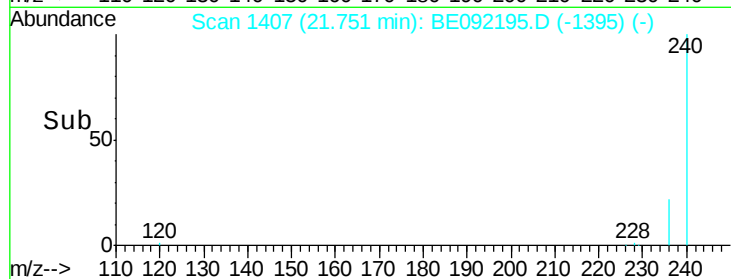
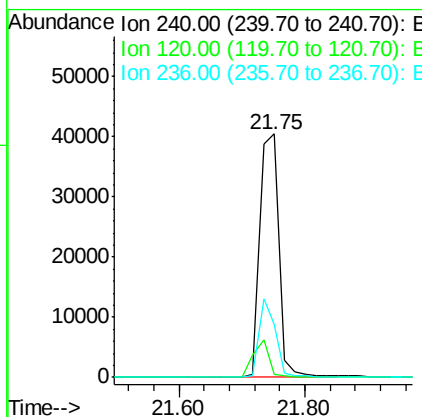
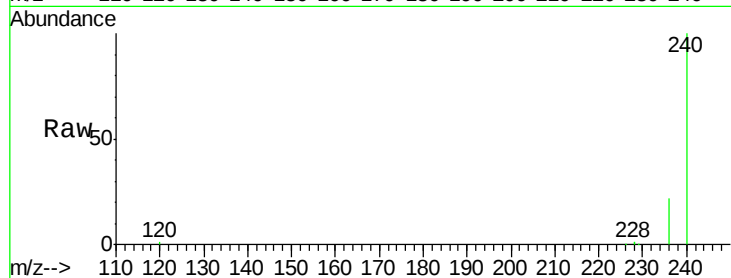




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

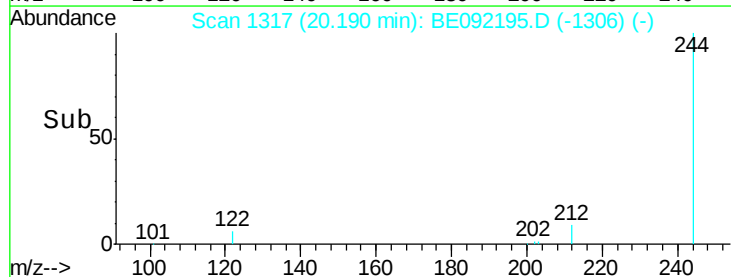
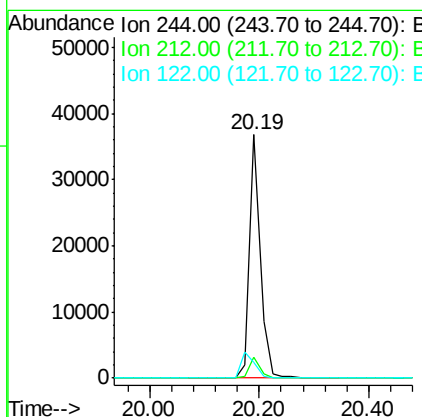
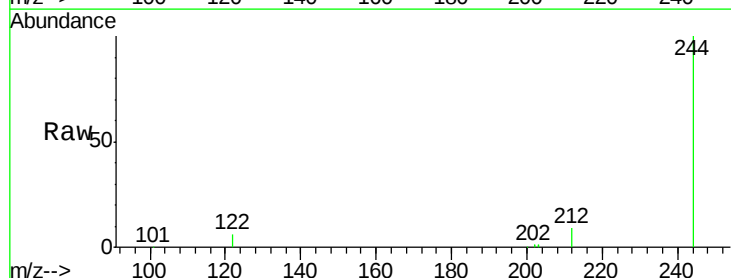
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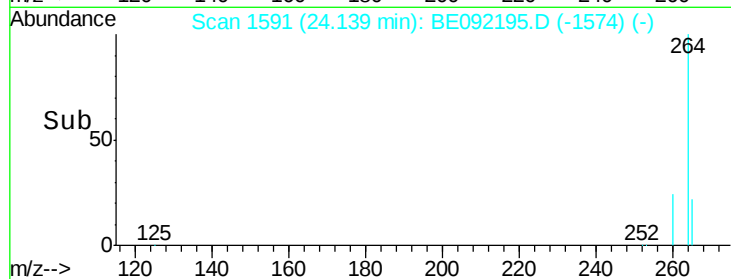
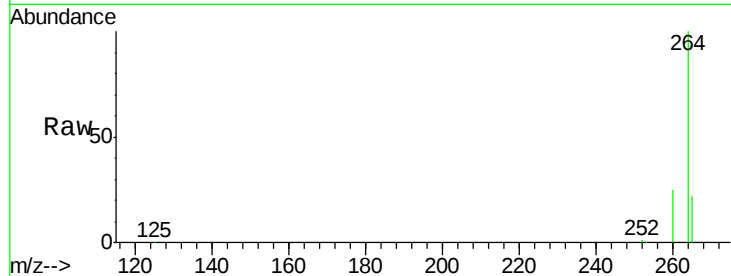
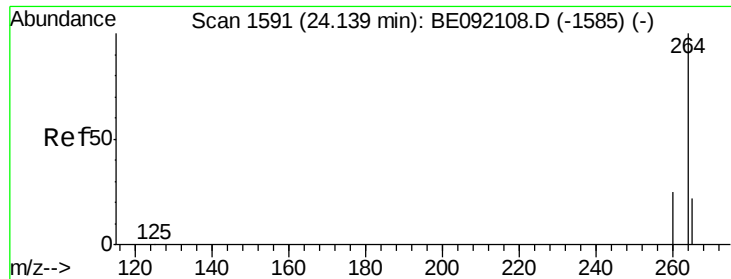
Tot Ion:240 Resp: 85663
Ion Ratio Lower Upper
240 100
120 1.4 0.6 1.0#
236 21.9 18.2 27.4



#24
Terphenyl-d14
Concen: 4.03 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092195.D
Acq: 4 Aug 2016 23:05

Tgt Ion:244 Resp: 49531
Ion Ratio Lower Upper
244 100
212 8.8 9.1 13.7#
122 6.4 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: BE092195.D

Acq: 4 Aug 2016 23:05

Instrument :

BNA_E

ClientSampleId :

GW-54-16.1-20.0

Tot Ion: 264 Resp: 85049

Ion Ratio Lower Upper

264 100

260 24.6 20.8 31.2

265 22.1 16.6 25.0

