

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092212.D
 Acq On : 5 Aug 2016 10:13
 Operator : UM/SJ
 Sample : H4288-24
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-DUP-04-072816

Quant Time: Aug 05 17:25:10 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

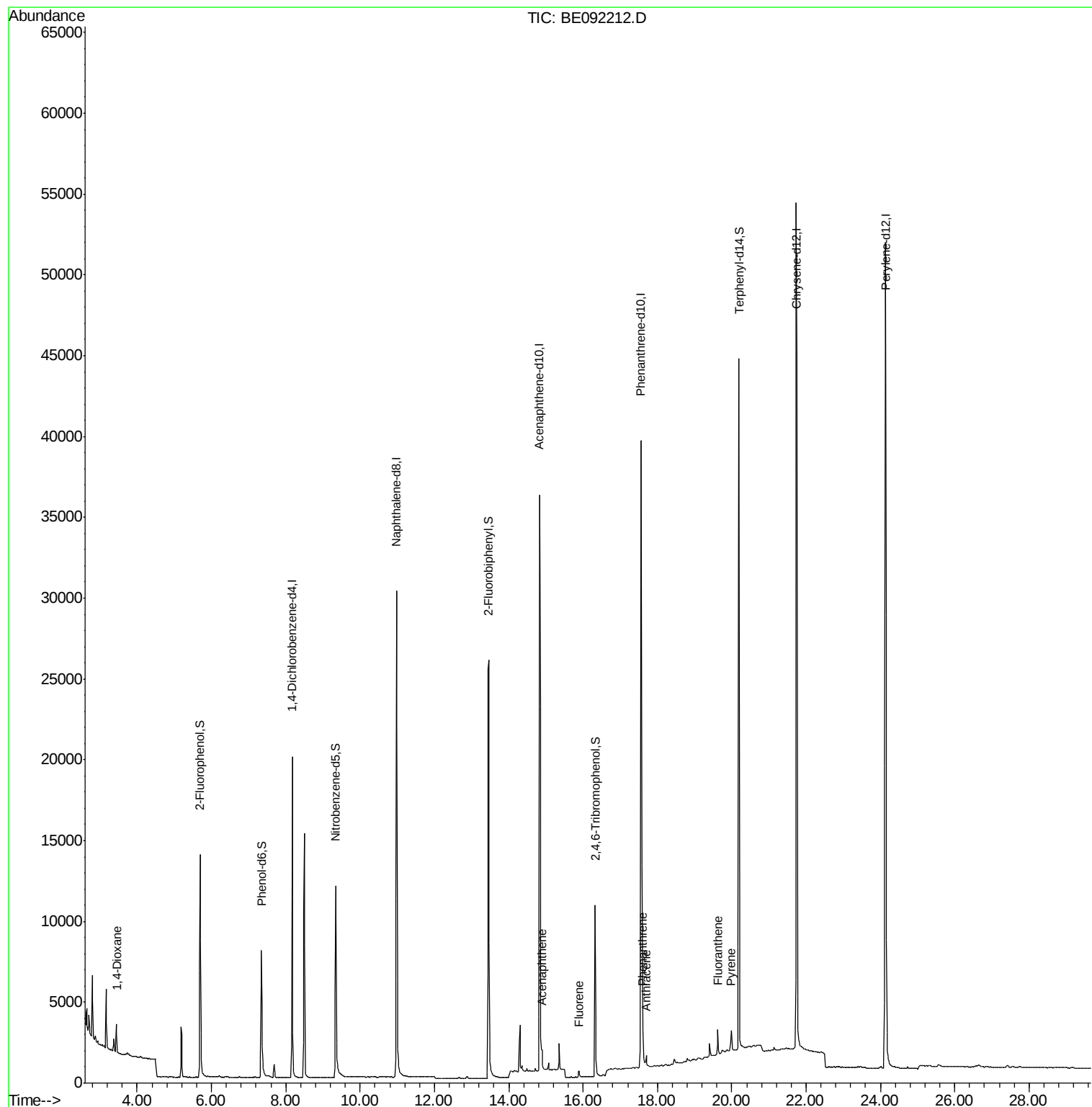
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10416	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	47175	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26451	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	60263	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	74902	5.00	ng	0.00
28) Perylene-d12	24.14	264	76098	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	11907	4.45	ng	0.00
5) Phenol-d6	7.35	99	10010	2.81	ng	0.00
7) Nitrobenzene-d5	9.34	82	13938	3.74	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7880	9.17	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	31772	3.79	ng	0.00
24) Terphenyl-d14	20.19	244	49225	4.58	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.45	88	1064	0.75	ng	# 39
14) Acenaphthene	14.90	154	240	0.03	ng	# 89
15) Fluorene	15.89	166	372	0.04	ng	# 95
19) Phenanthrene	17.60	178	1769	0.07	ng	# 86
20) Anthracene	17.70	178	868	0.05	ng	95
21) Fluoranthene	19.63	202	2182	0.03	ng	# 81
23) Pyrene	19.99	202	1926	0.02	ng	# 91

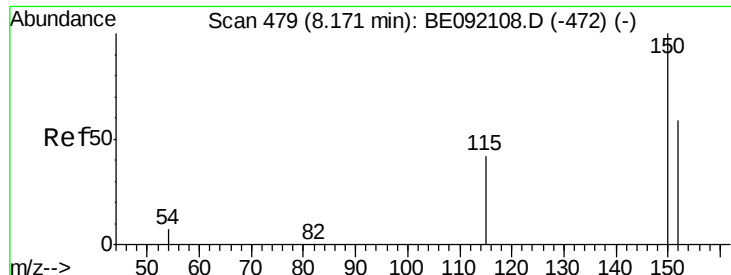
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
Data File : BE092212.D
Acq On : 5 Aug 2016 10:13
Operator : UM/SJ
Sample : H4288-24
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-DUP-04-072816

Quant Time: Aug 05 17:25:10 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

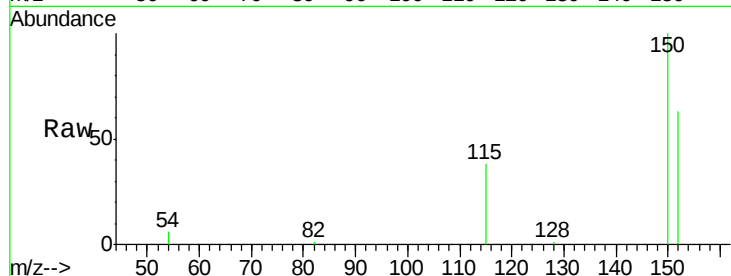
Tot Ion:152 Resp: 10416

Ion Ratio Lower Upper

152 100

150 158.1 106.0 159.0

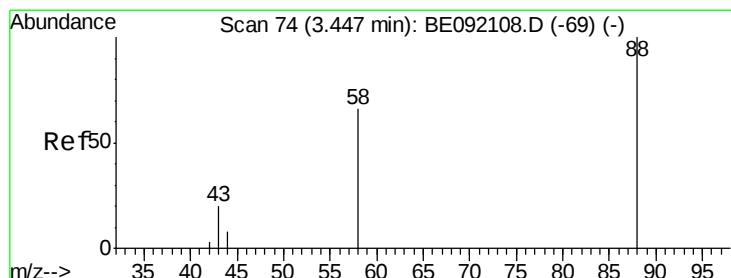
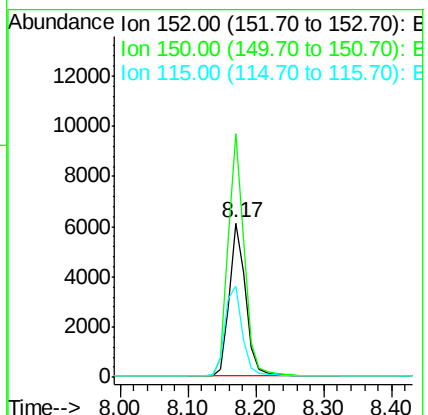
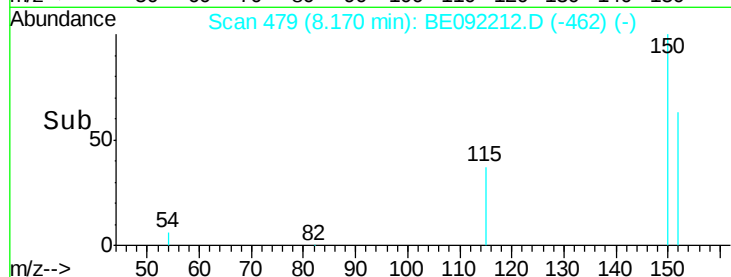
115 59.4 36.9 55.3#



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: 0.75 ng

RT: 3.45 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

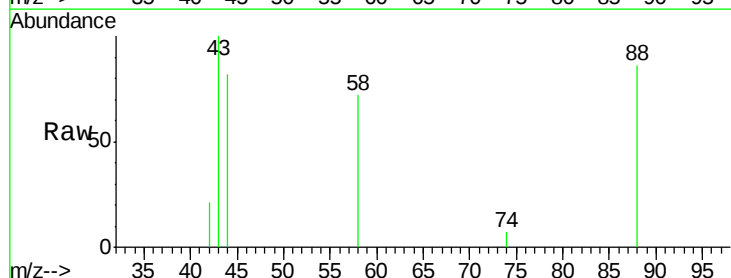
Tgt Ion: 88 Resp: 1064

Ion Ratio Lower Upper

88 100

58 94.4 62.1 93.1#

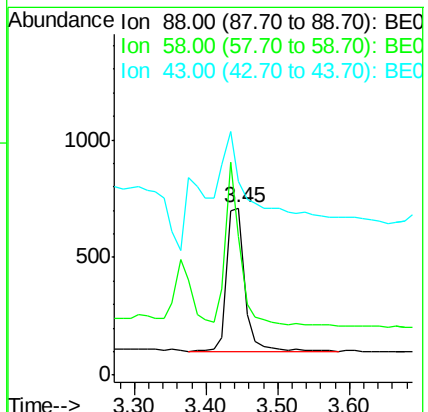
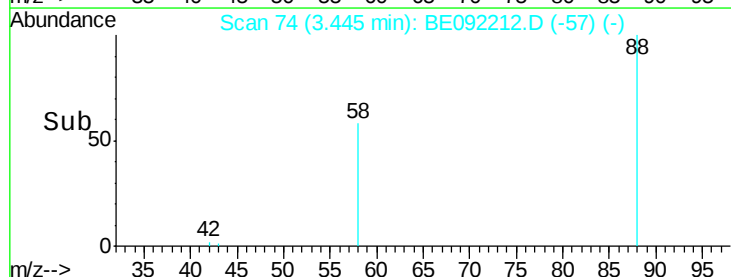
43 123.9 27.2 40.8#

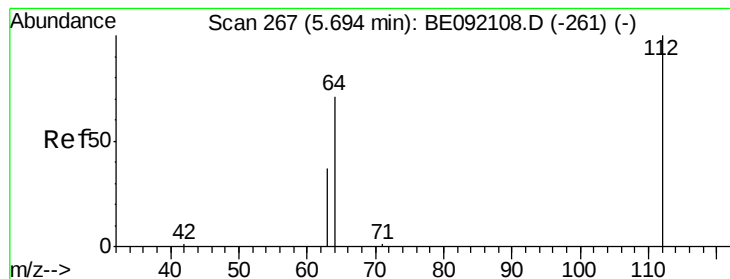


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.45 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

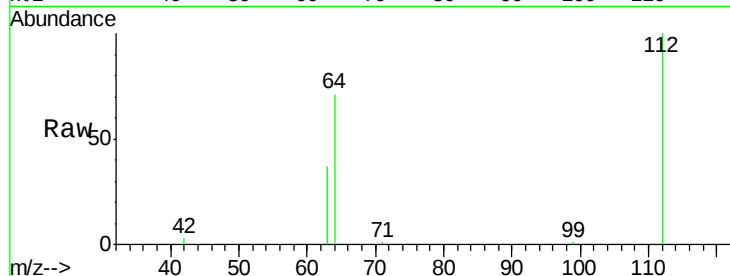
Tot Ion:112 Resp: 11907

Ion Ratio Lower Upper

112 100

64 67.7 55.9 83.9

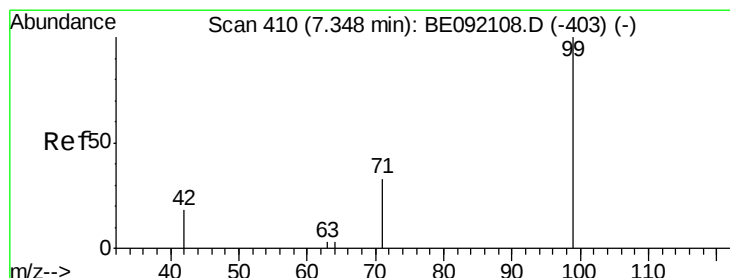
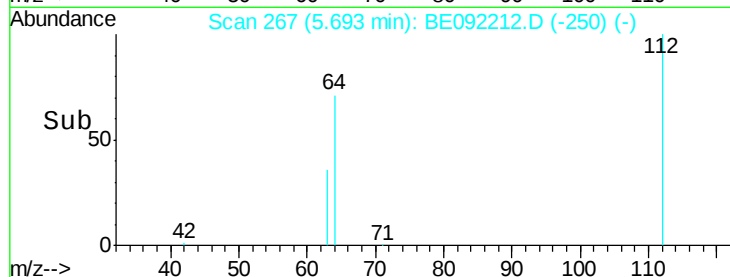
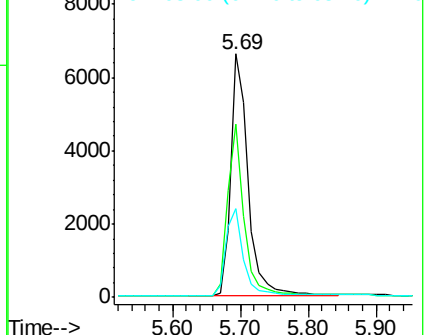
63 36.6 31.1 46.7



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: 2.81 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

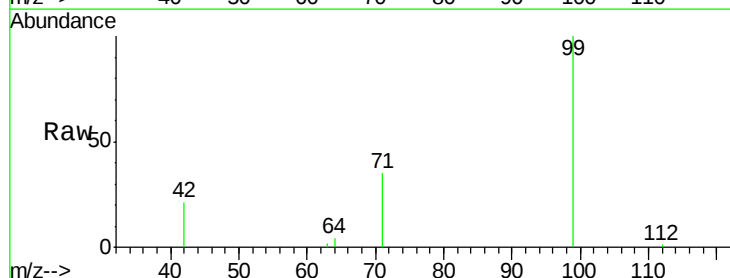
Tgt Ion: 99 Resp: 10010

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

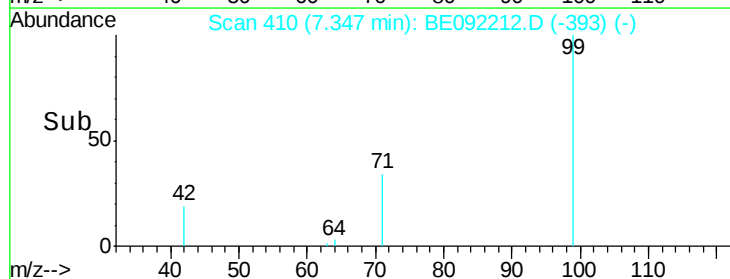
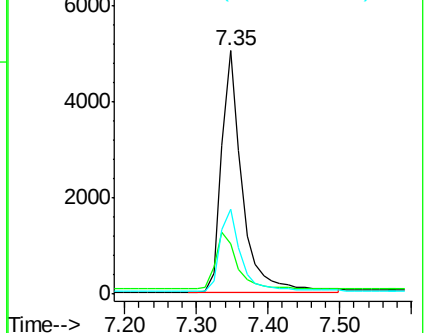
71 35.7 28.9 43.3

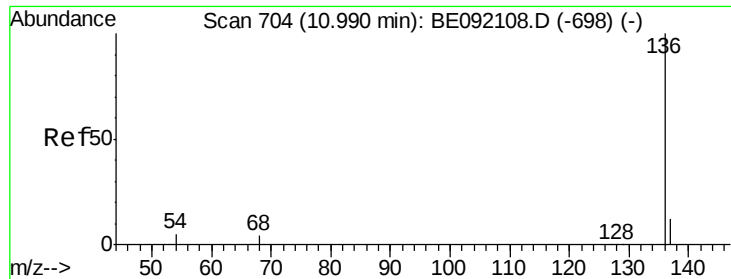


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

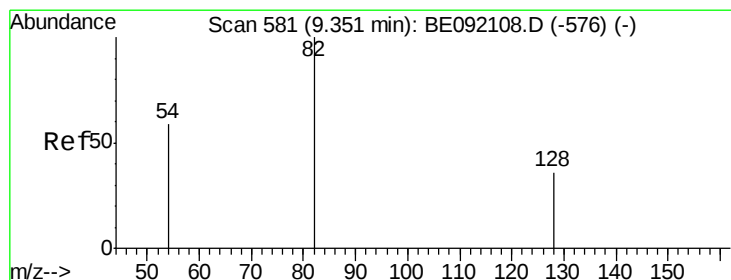
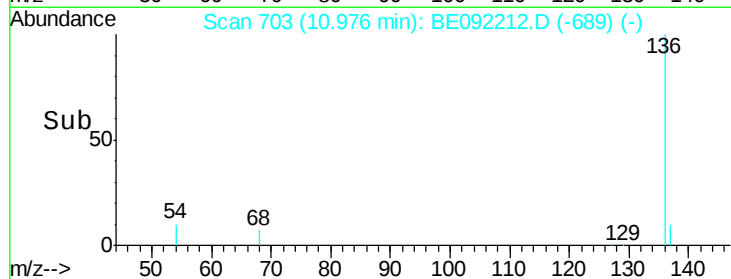
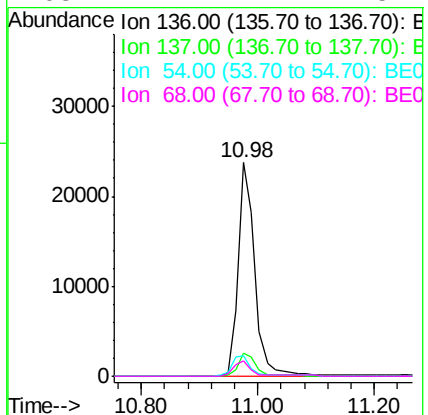
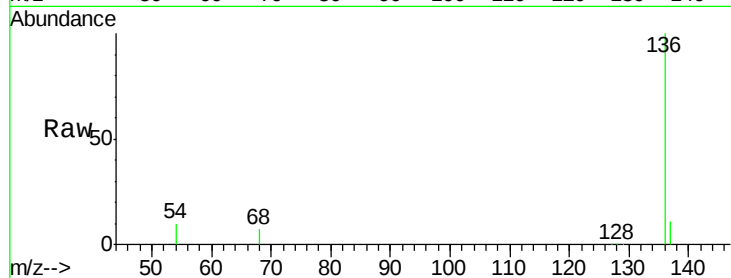




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092212.D
Acq: 5 Aug 2016 10:13

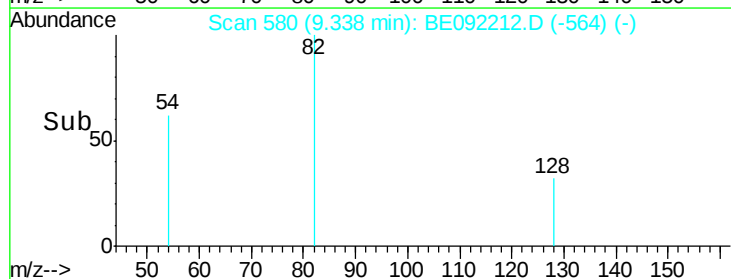
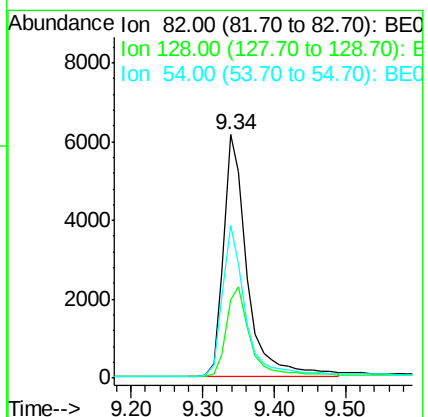
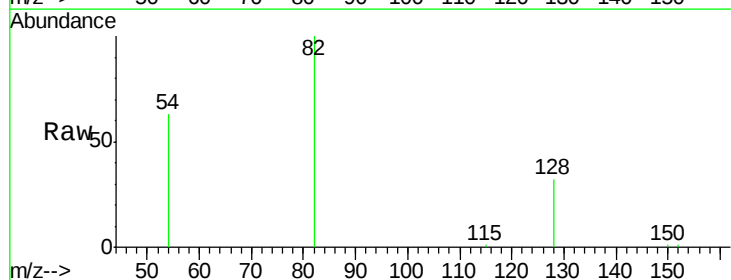
Instrument :
BNA_E
ClientSampleId :
GW-DUP-04-072816

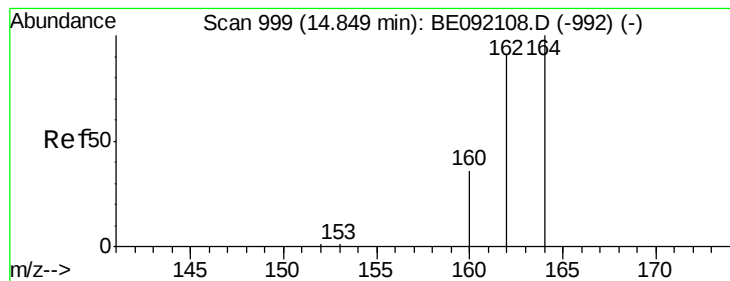
Tot Ion:136	Resp:	47175
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.1 13.7
54	9.9	2.7 4.1#
68	7.2	2.2 3.4#



#7
Nitrobenzene-d5
Concen: 3.74 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092212.D
Acq: 5 Aug 2016 10:13

Tgt Ion: 82	Resp:	13938
Ion Ratio	Lower	Upper
82	100	
128	32.3	33.0 49.4#
54	62.6	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: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

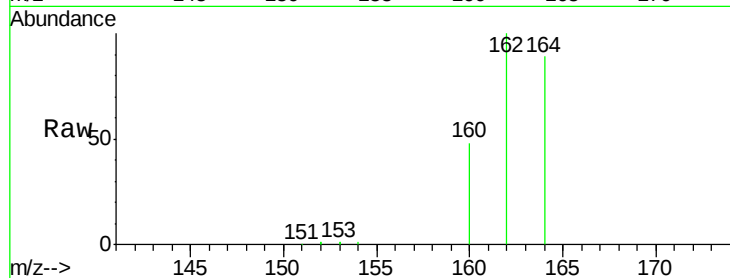
Tot Ion:164 Resp: 26451

Ion Ratio Lower Upper

164 100

162 112.9 69.5 104.3#

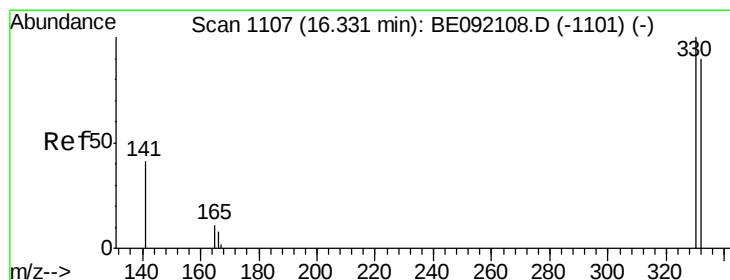
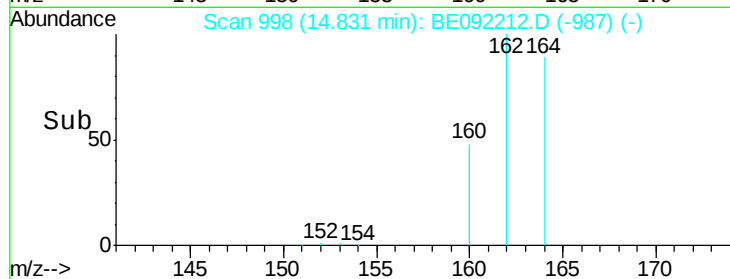
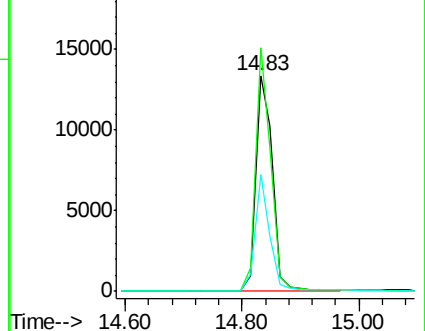
160 53.9 27.6 41.4#



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: 9.17 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

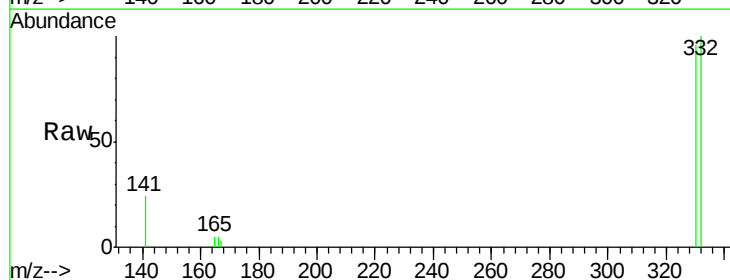
Tgt Ion:330 Resp: 7880

Ion Ratio Lower Upper

330 100

332 97.3 74.2 111.4

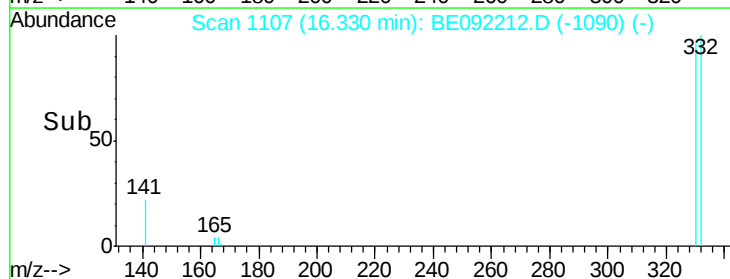
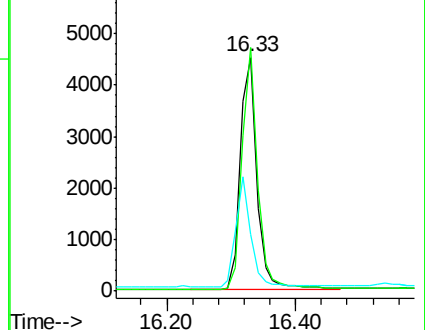
141 43.7 139.8 209.8#

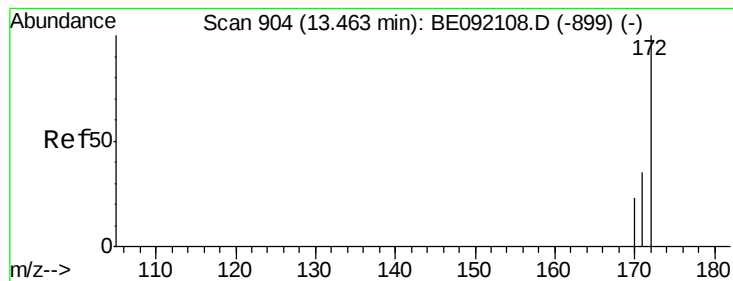


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#12

2-Fluorobiphenyl

Concen: 3.79 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

Tot Ion:172 Resp: 31772

Ion Ratio Lower Upper

172 100

171 31.1

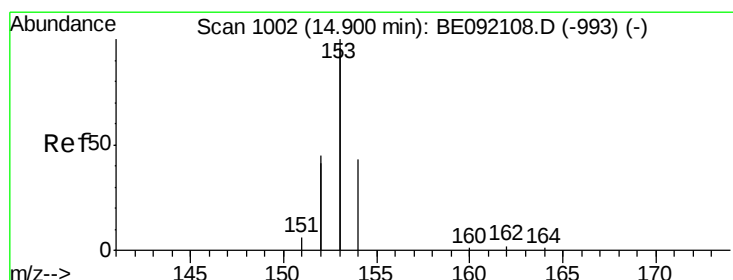
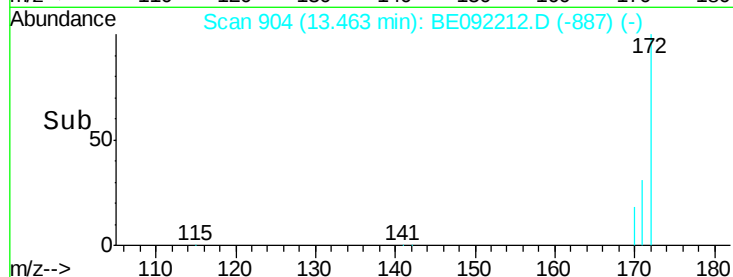
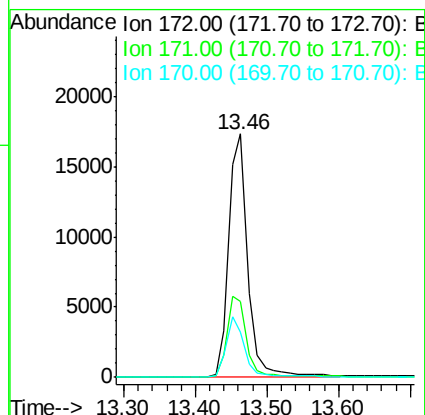
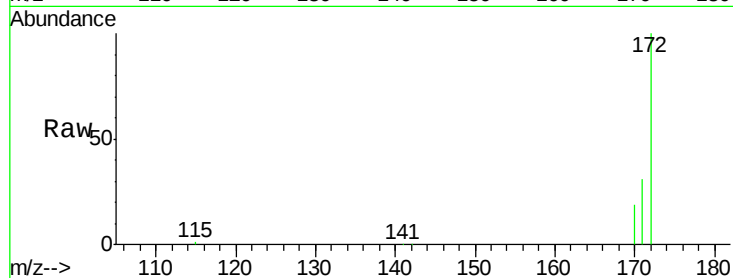
170 18.5

30.3

21.6

45.5

32.4#



#14

Acenaphthene

Concen: 0.03 ng

RT: 14.90 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Tgt Ion:154 Resp: 240

Ion Ratio Lower Upper

154 100

153 457.9

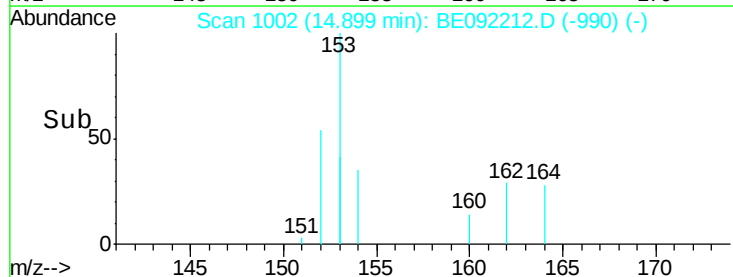
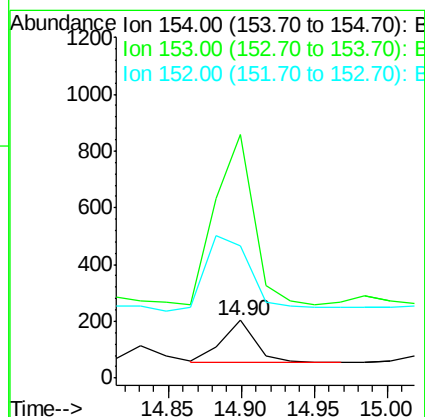
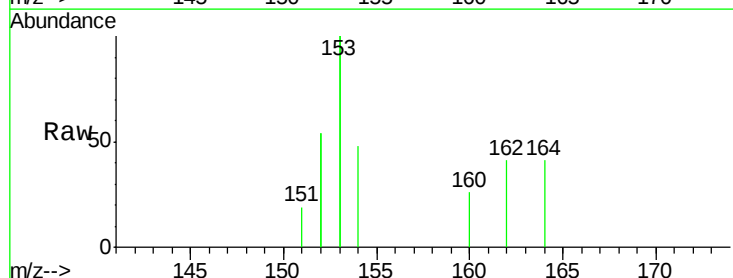
152 241.7

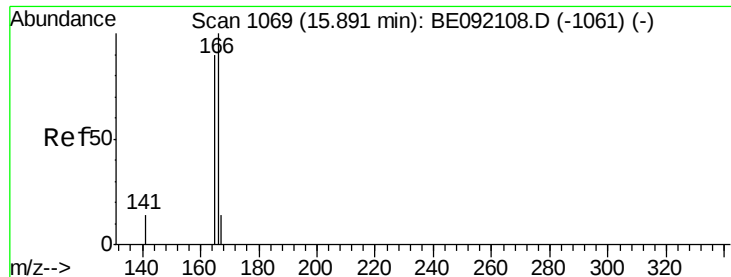
345.1

0.0

517.7

0.0#





#15

Fluorene

Concen: 0.04 ng

RT: 15.89 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

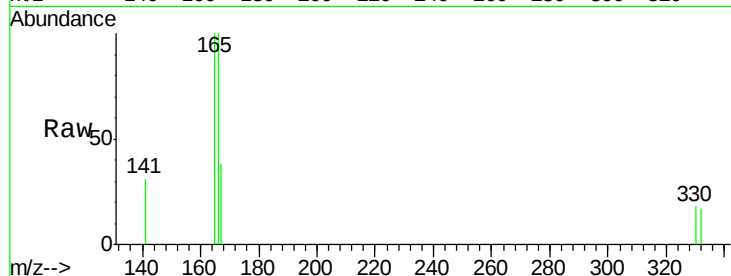
Tot Ion:166 Resp: 372

Ion Ratio Lower Upper

166 100

165 103.0 78.6 118.0

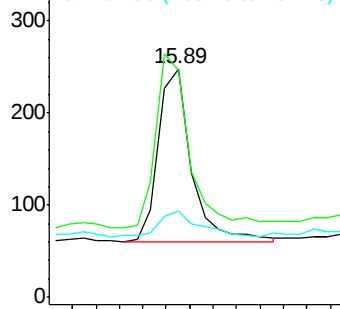
167 18.3 11.1 16.7#



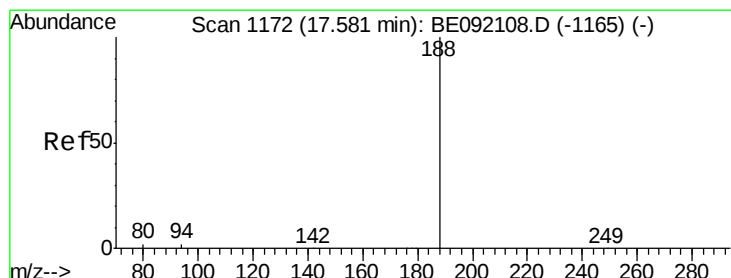
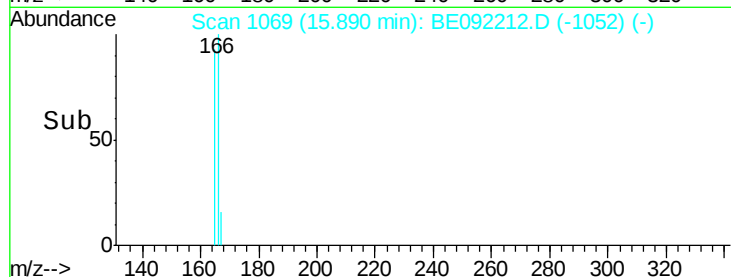
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

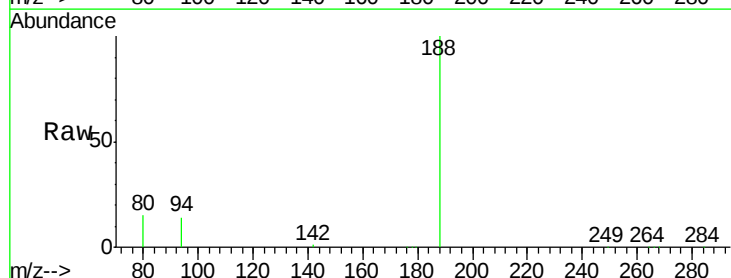
Tgt Ion:188 Resp: 60263

Ion Ratio Lower Upper

188 100

94 14.2 3.9 5.9#

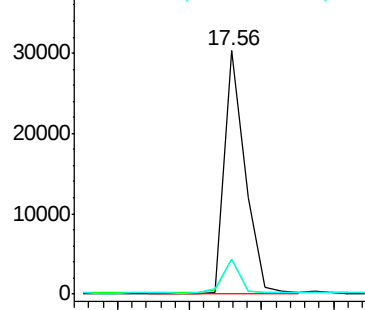
80 14.5 3.4 5.0#



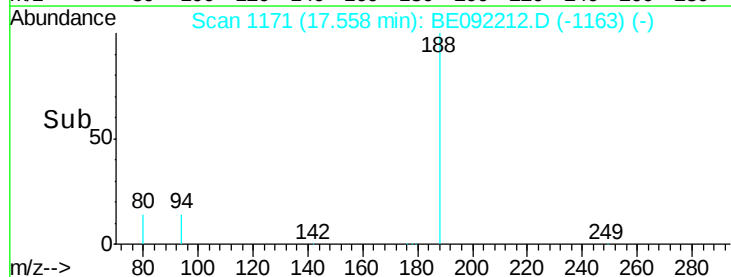
Abundance Ion 188.00 (187.70 to 188.70): E

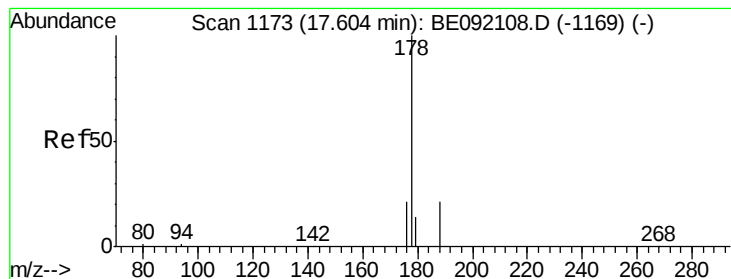
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->





#19

Phenanthrene

Concen: 0.07 ng

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

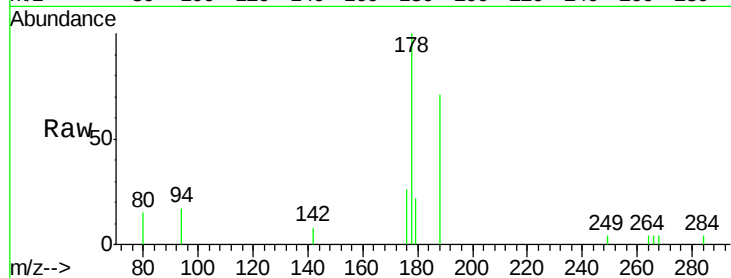
Tot Ion:178 Resp: 1769

Ion Ratio Lower Upper

178 100

176 27.0 15.4 23.0#

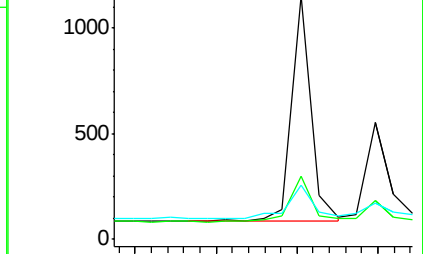
179 20.2 12.7 19.1#



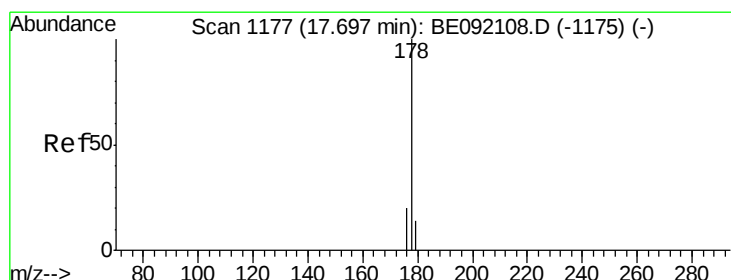
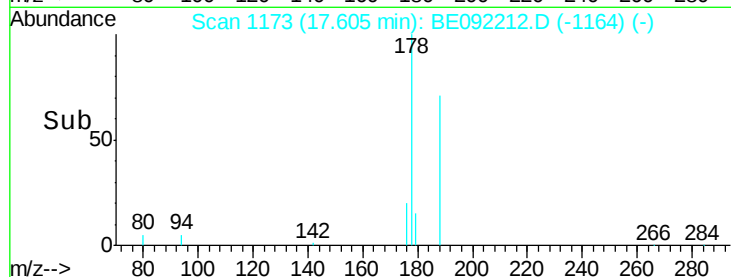
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#20

Anthracene

Concen: 0.05 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

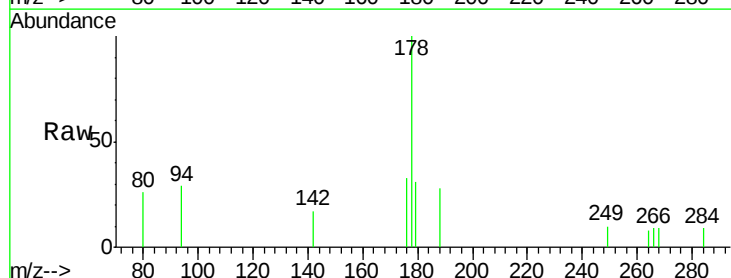
Tgt Ion:178 Resp: 868

Ion Ratio Lower Upper

178 100

176 21.0 15.2 22.8

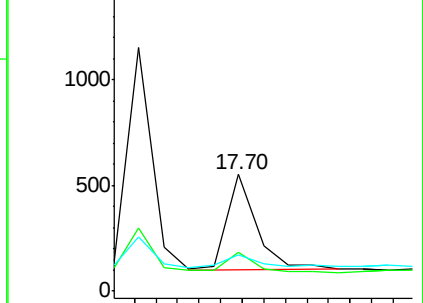
179 18.0 12.2 18.4



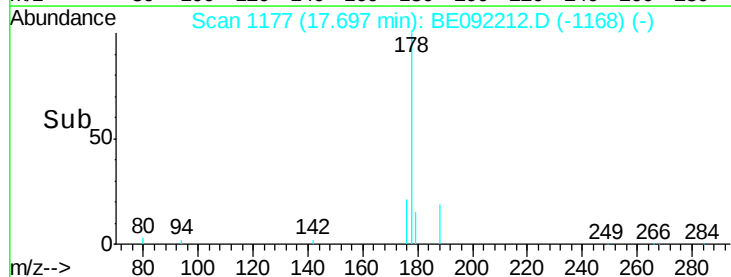
Abundance Ion 178.00 (177.70 to 178.70): E

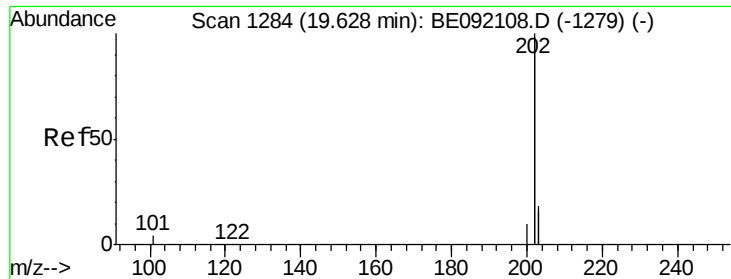
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#21

Fluoranthene

Concen: 0.03 ng

RT: 19.63 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

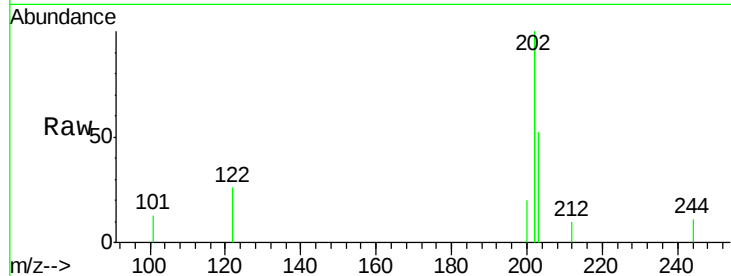
Tot Ion:202 Resp: 2182

Ion Ratio Lower Upper

202 100

101 4.3 2.2 3.2#

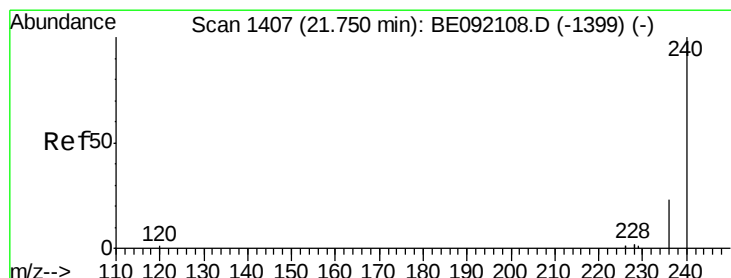
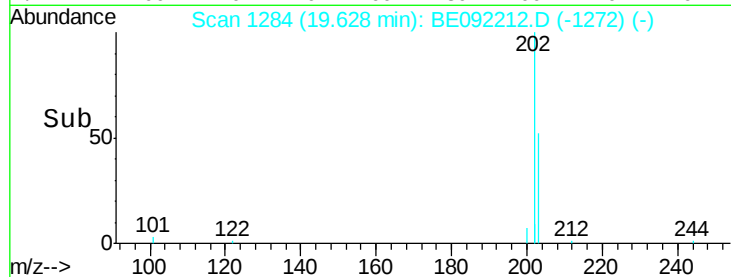
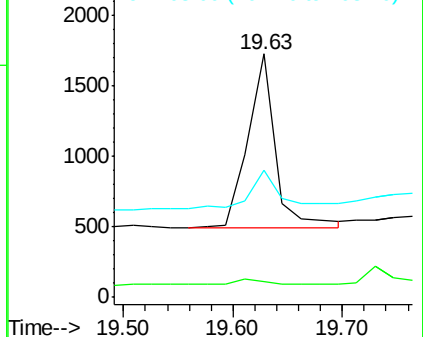
203 25.1 13.0 19.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092212.D

Acq: 5 Aug 2016 10:13

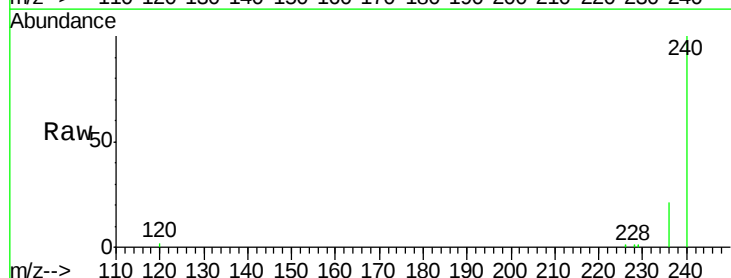
Tgt Ion:240 Resp: 74902

Ion Ratio Lower Upper

240 100

120 1.6 0.6 1.0#

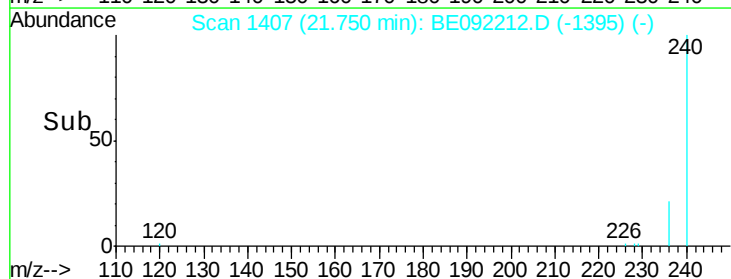
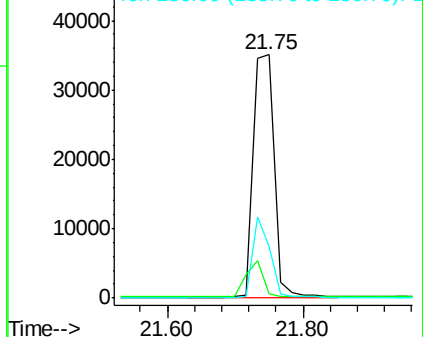
236 21.5 18.2 27.4

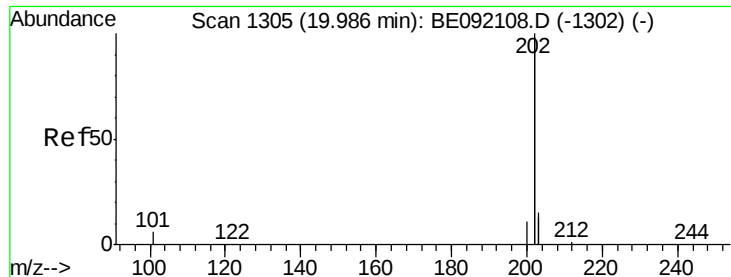


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

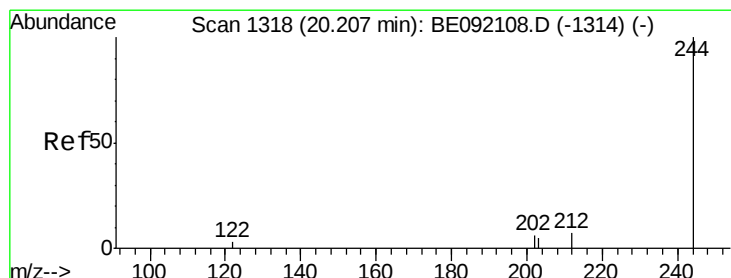
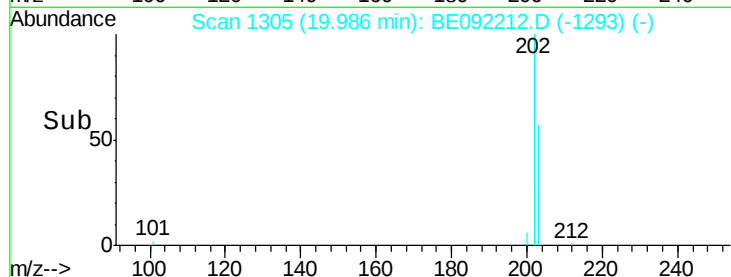
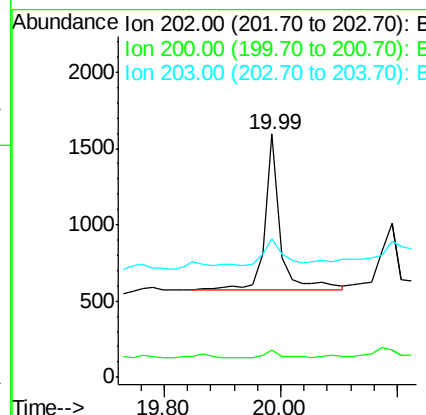
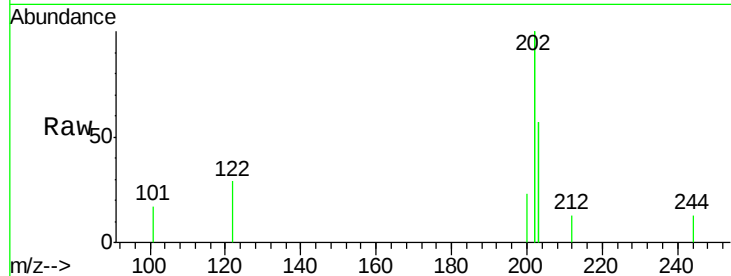




#23
Pvrene
Concen: 0.02 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092212.D
Acq: 5 Aug 2016 10:13

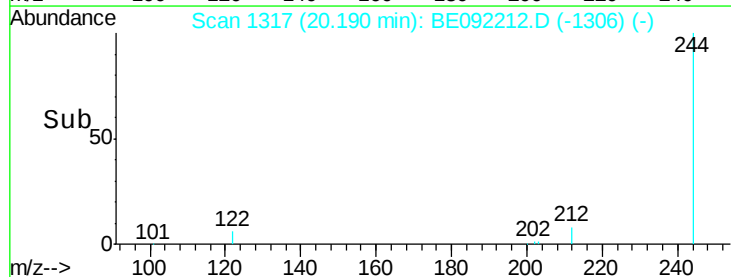
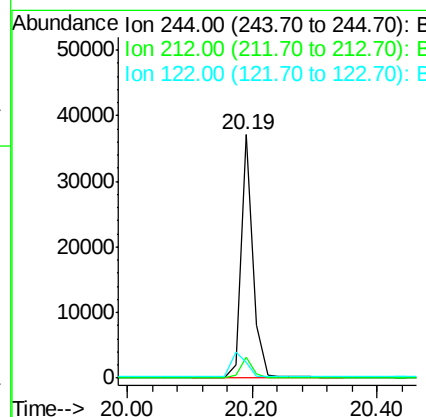
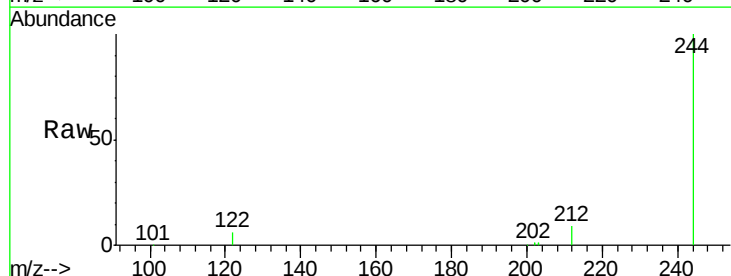
Instrument :
BNA_E
ClientSampleId :
GW-DUP-04-072816

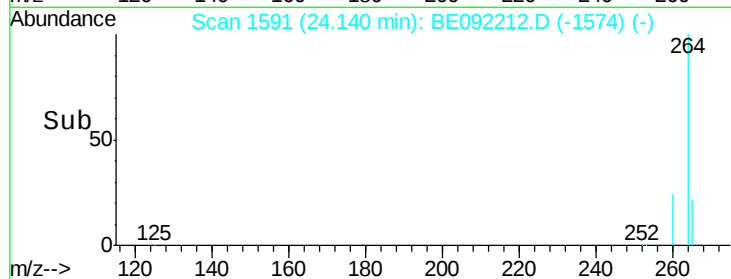
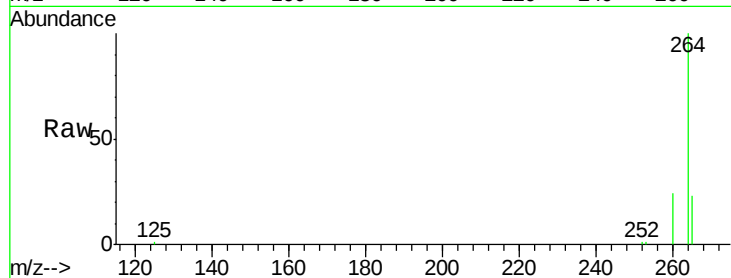
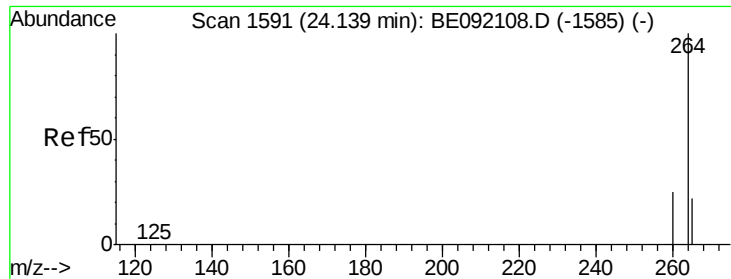
Tot Ion:202 Resp: 1926
Ion Ratio Lower Upper
202 100
200 6.6 4.4 6.6
203 21.1 13.4 20.0#



#24
Terphenyl-d14
Concen: 4.58 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092212.D
Acq: 5 Aug 2016 10:13

Tgt Ion:244 Resp: 49225
Ion Ratio Lower Upper
244 100
212 8.5 9.1 13.7#
122 6.2 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: BE092212.D

Acq: 5 Aug 2016 10:13

Instrument :

BNA_E

ClientSampleId :

GW-DUP-04-072816

Tot Ion:264 Resp: 76098

Ion Ratio Lower Upper

264 100

260 24.3 20.8 31.2

265 23.4 16.6 25.0

