

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092214.D
 Acq On : 5 Aug 2016 11:28
 Operator : UM/SJ
 Sample : H4288-26
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-67-6.4-15.0

Quant Time: Aug 05 17:58:06 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

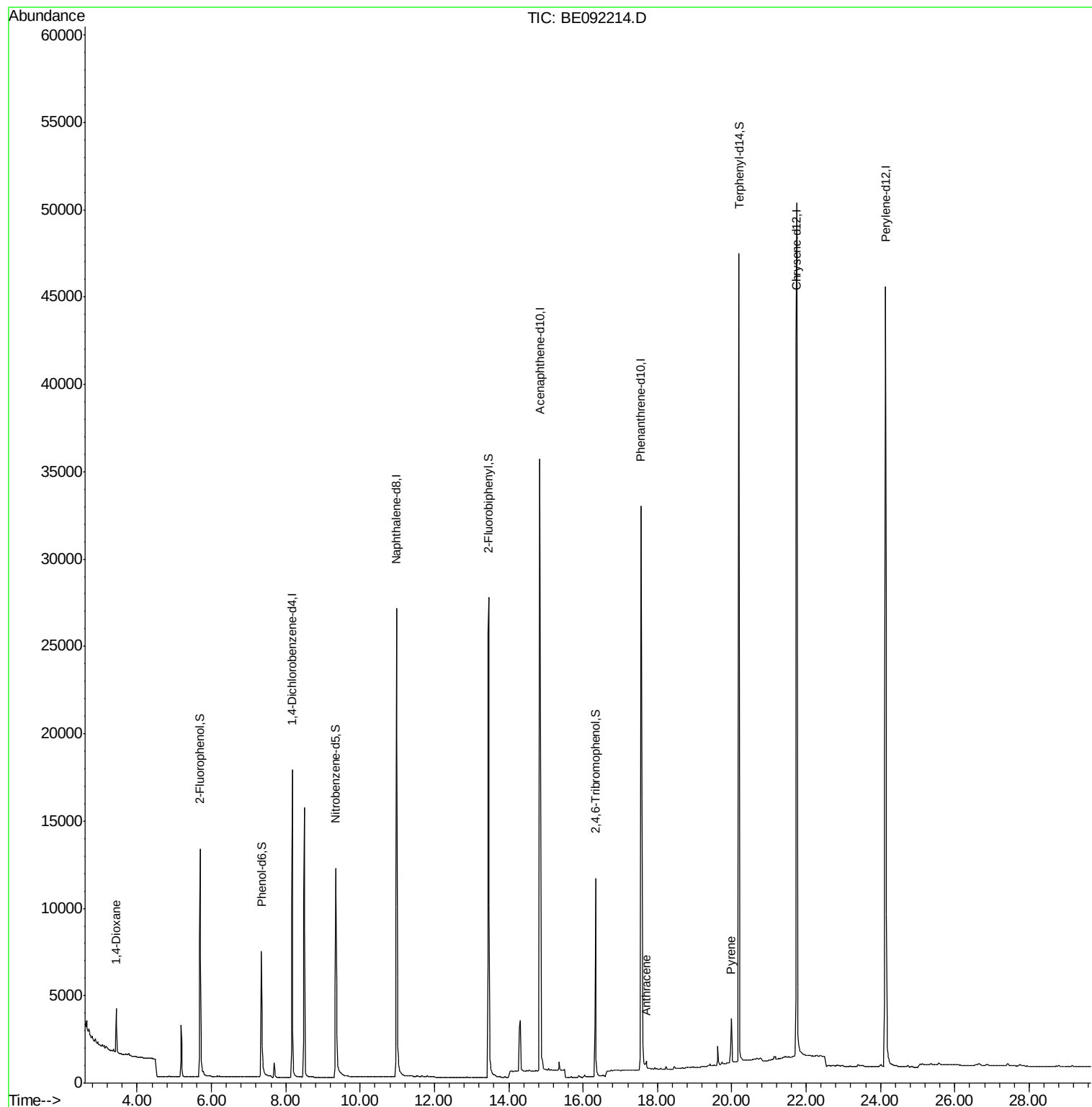
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9208	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	42609	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	24182	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	55825	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	70540	5.00	ng	0.00
28) Perylene-d12	24.14	264	69394	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	11487	4.86	ng	0.00
5) Phenol-d6	7.35	99	9494	3.01	ng	0.00
7) Nitrobenzene-d5	9.34	82	14377	4.28	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8774	11.17	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	33374	4.36	ng	0.00
24) Terphenyl-d14	20.19	244	52635	5.20	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.43	88	1566	1.25	ng	# 71
20) Anthracene	17.70	178	637	0.04	ng	99
23) Pyrene	19.99	202	3327	0.05	ng	# 88

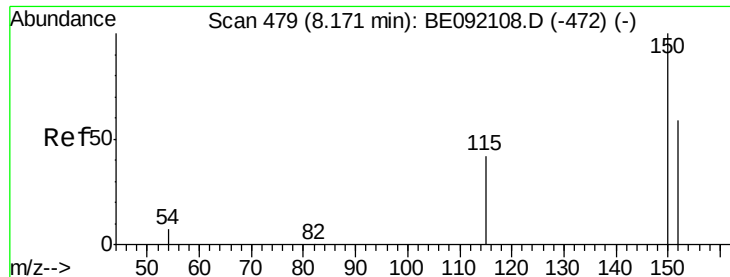
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

GW-67-6.4-15.0

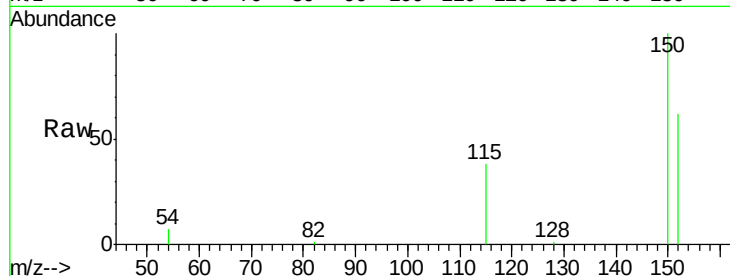
Tot Ion:152 Resp: 9208

Ion Ratio Lower Upper

152 100

150 160.0 106.0 159.0#

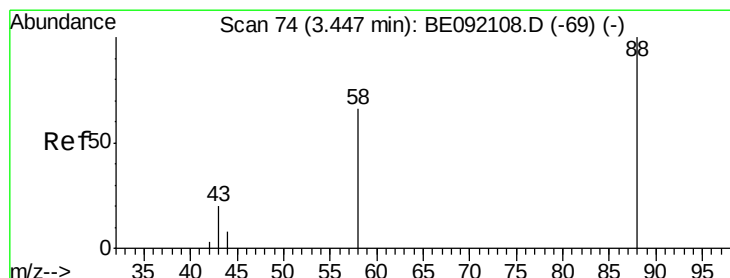
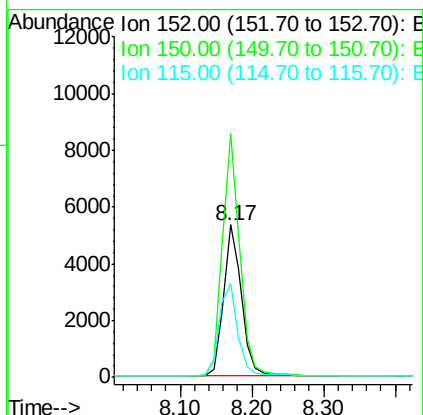
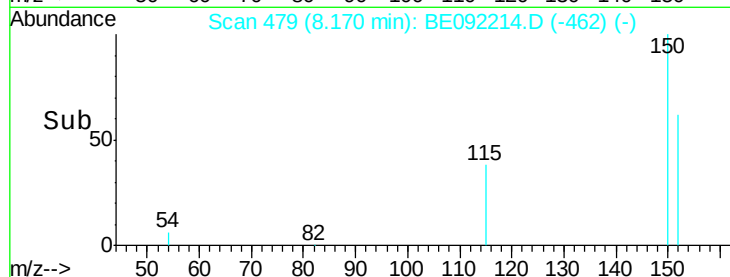
115 61.5 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 1.25 ng

RT: 3.43 min Scan# 73

Delta R.T. -0.01 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

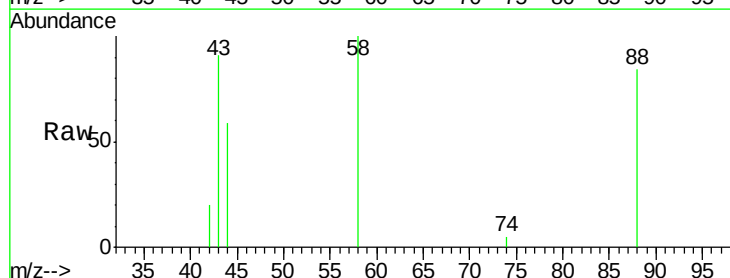
Tgt Ion: 88 Resp: 1566

Ion Ratio Lower Upper

88 100

58 89.5 62.1 93.1

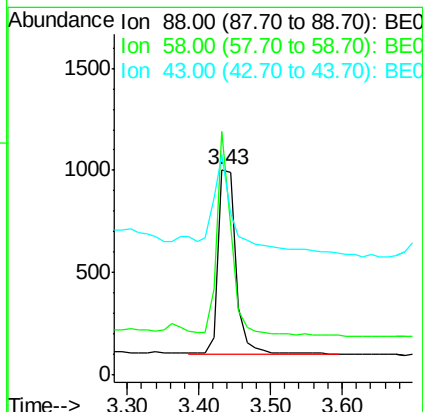
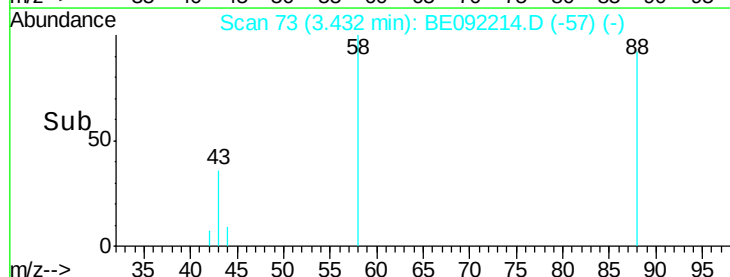
43 70.4 27.2 40.8#

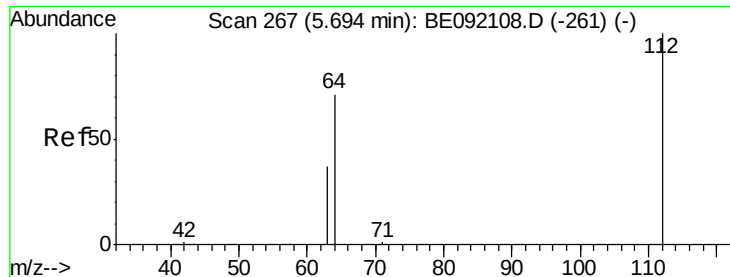


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.86 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

GW-67-6.4-15.0

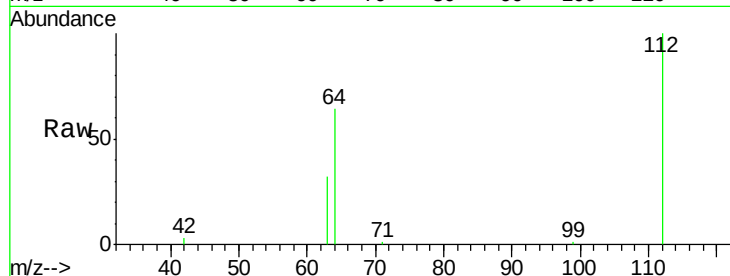
Tot Ion:112 Resp: 11487

Ion Ratio Lower Upper

112 100

64 67.7 55.9 83.9

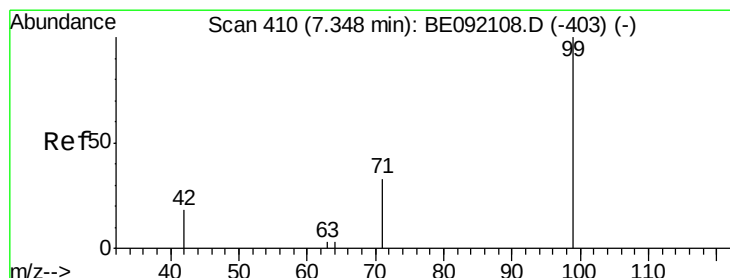
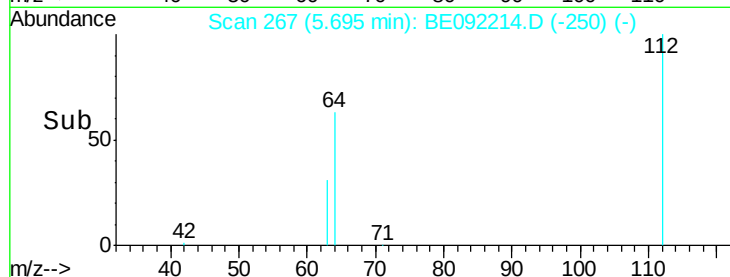
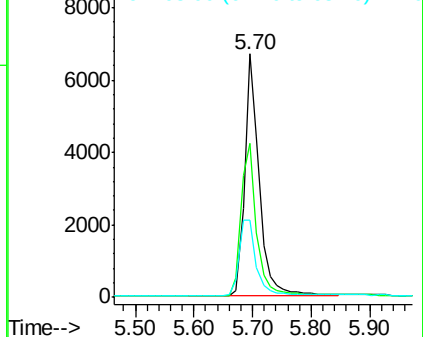
63 36.2 31.1 46.7



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: 3.01 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

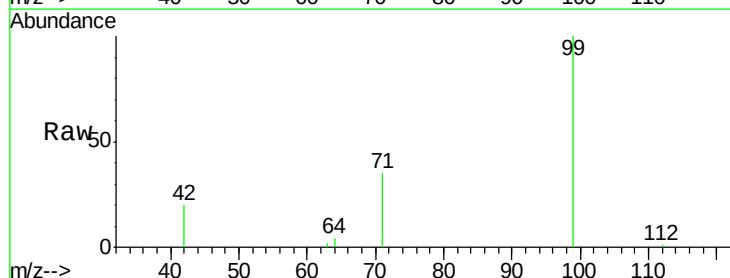
Tgt Ion: 99 Resp: 9494

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

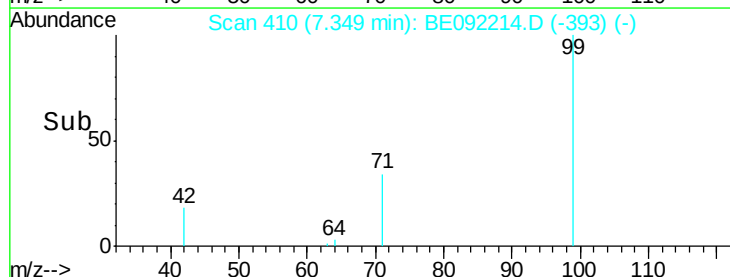
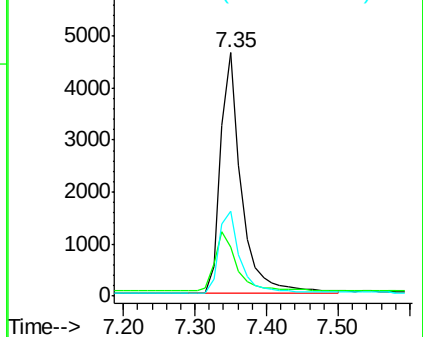
71 35.5 28.9 43.3

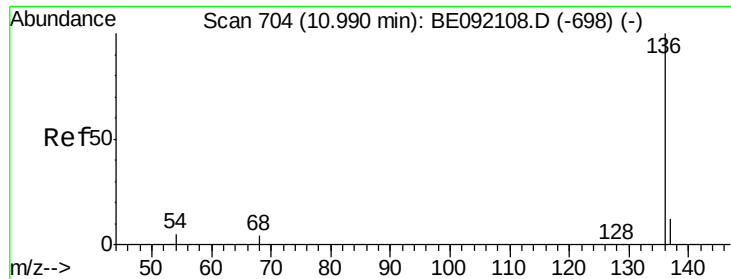


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

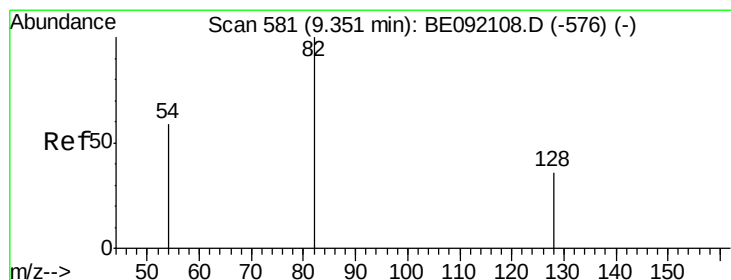
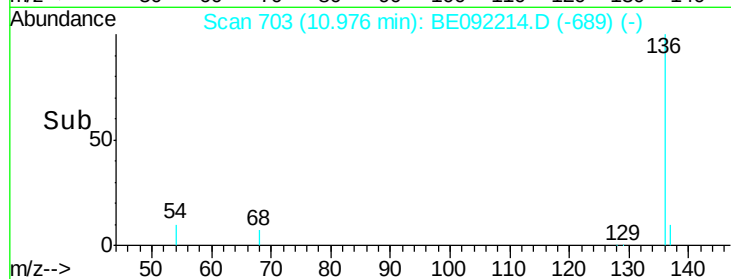
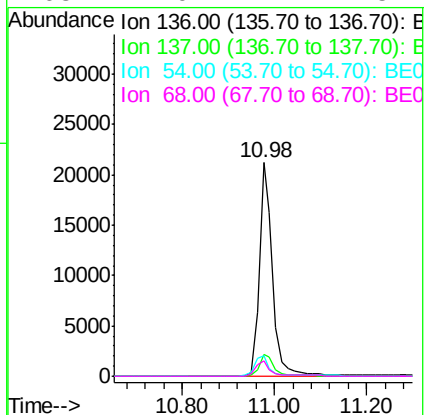
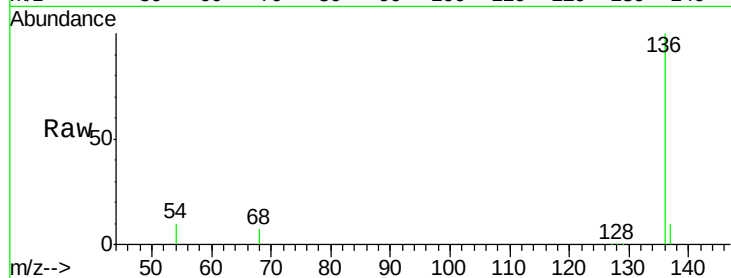




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

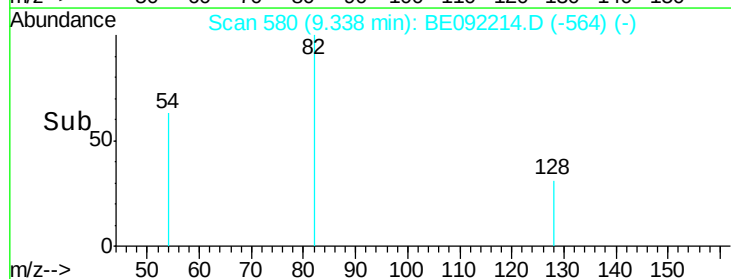
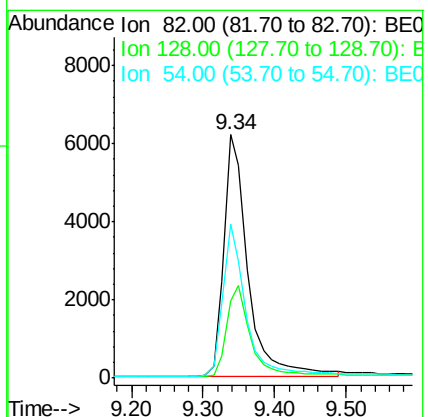
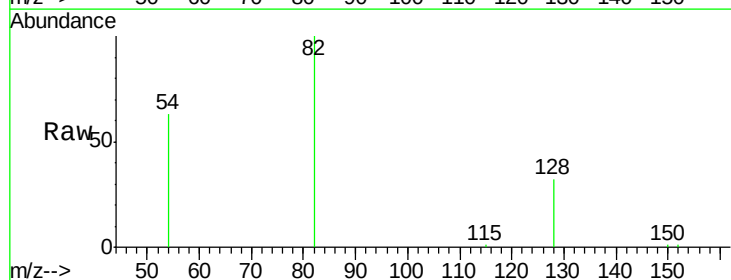
Instrument :
BNA_E
ClientSampleId :
GW-67-6.4-15.0

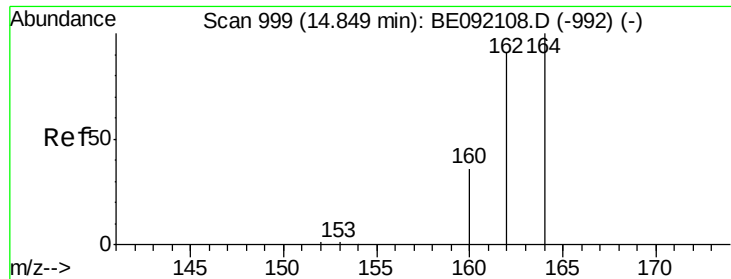
Tot Ion:136	Resp:	42609
Ion	Ratio	Lower Upper
136	100	
137	10.4	9.1 13.7
54	9.8	2.7 4.1#
68	7.0	2.2 3.4#



#7
Nitrobenzene-d5
Concen: 4.28 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

Tgt Ion: 82	Resp:	14377
Ion	Ratio	Lower Upper
82	100	
128	31.5	33.0 49.4#
54	63.5	42.6 63.8

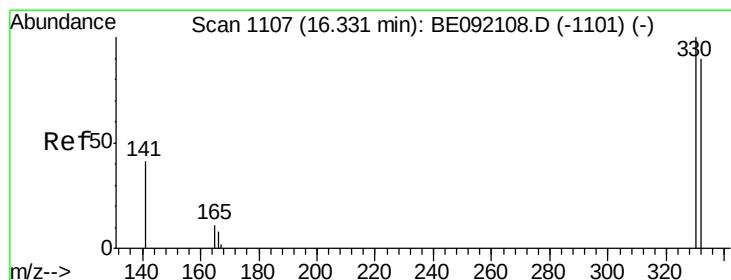
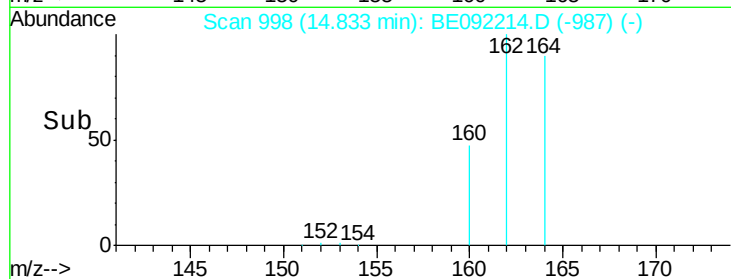
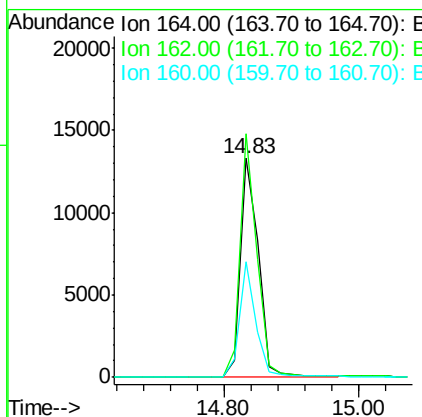
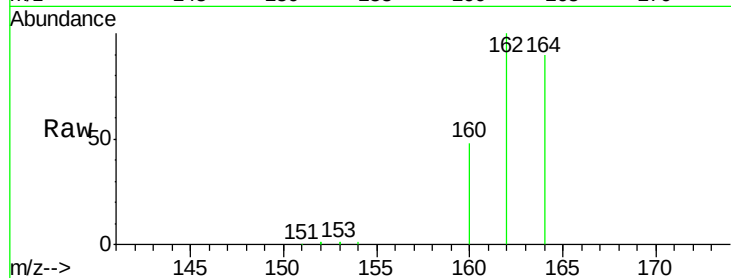




#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 998
Delta R.T. -0.02 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

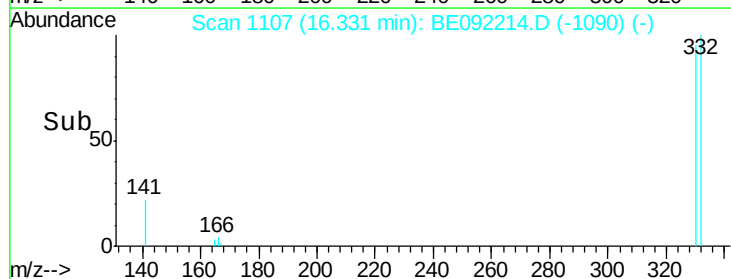
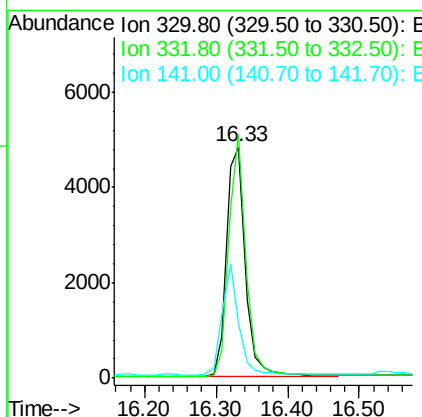
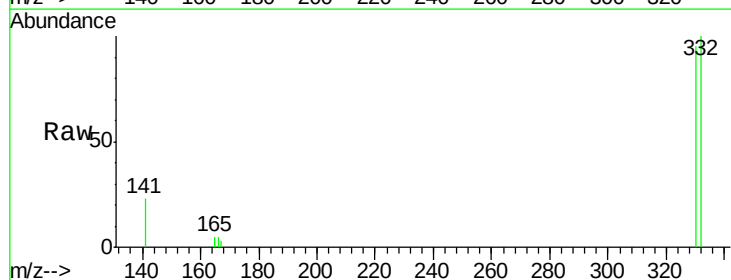
Instrument :
BNA_E
ClientSampleId :
GW-67-6.4-15.0

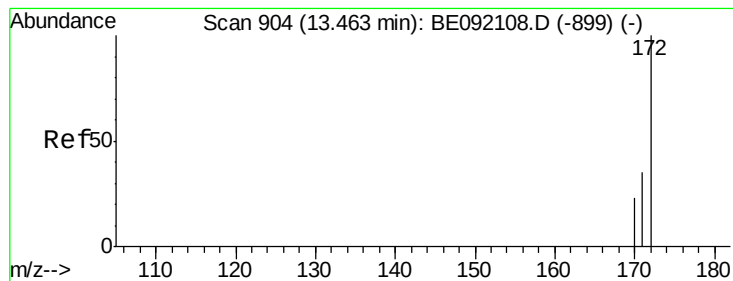
Tot Ion:164 Resp: 24182
Ion Ratio Lower Upper
164 100
162 111.3 69.5 104.3#
160 53.0 27.6 41.4#



#11
2,4,6-Tribromophenol
Concen: 11.17 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

Tgt Ion:330 Resp: 8774
Ion Ratio Lower Upper
330 100
332 96.4 74.2 111.4
141 42.9 139.8 209.8#





#12

2-Fluorobiphenyl

Concen: 4.36 ng

RT: 13.46 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

GW-67-6.4-15.0

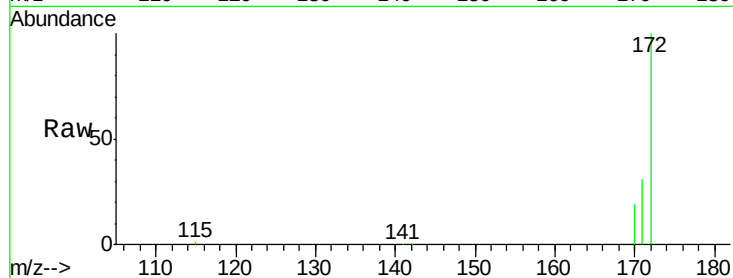
Tot Ion:172 Resp: 33374

Ion Ratio Lower Upper

172 100

171 31.4 30.3 45.5

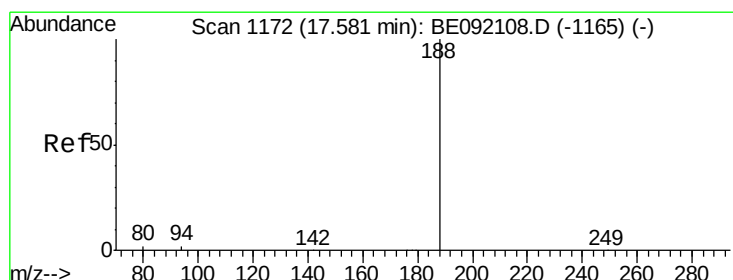
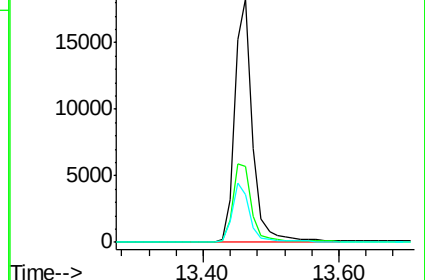
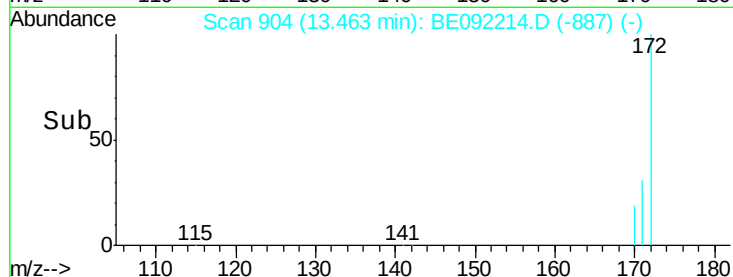
170 19.4 21.6 32.4#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

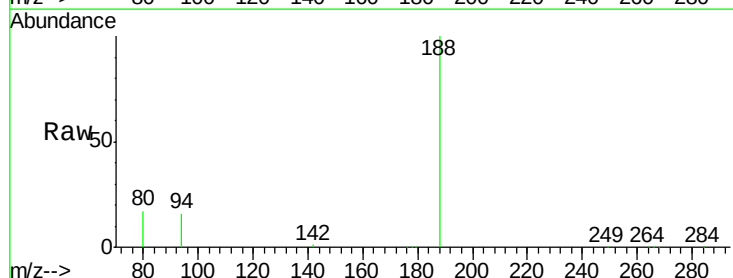
Tgt Ion:188 Resp: 55825

Ion Ratio Lower Upper

188 100

94 16.5 3.9 5.9#

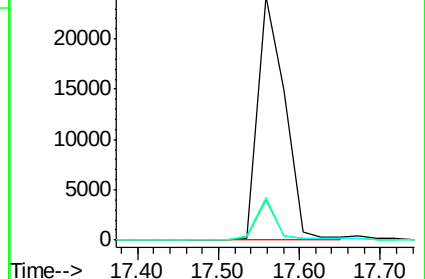
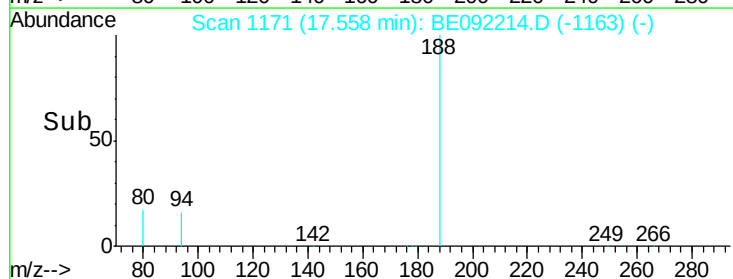
80 17.4 3.4 5.0#

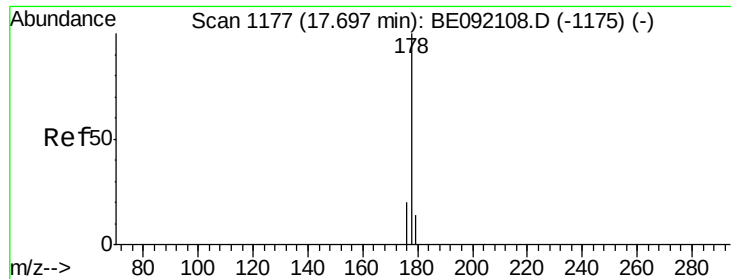


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Anthracene

Concen: 0.04 ng

RT: 17.70 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

GW-67-6.4-15.0

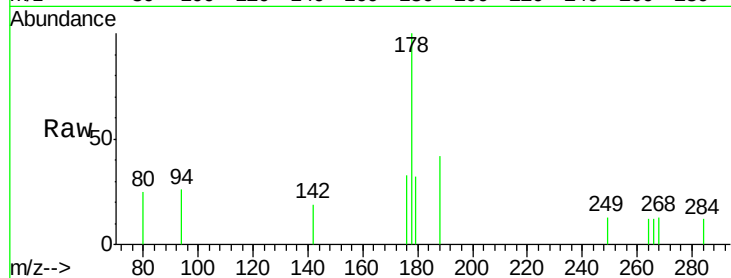
Tot Ion:178 Resp: 637

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

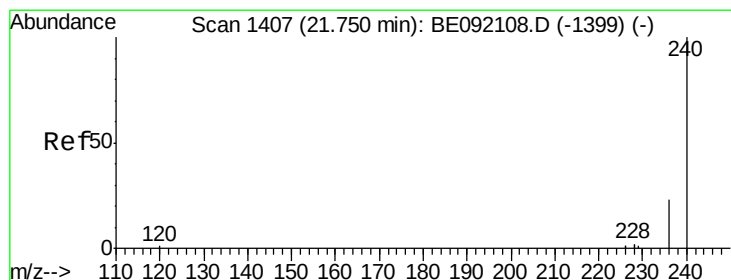
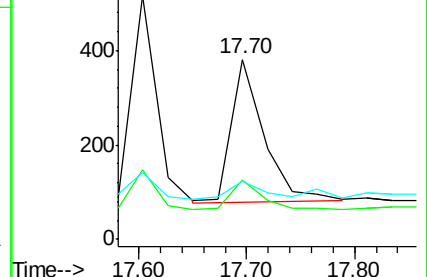
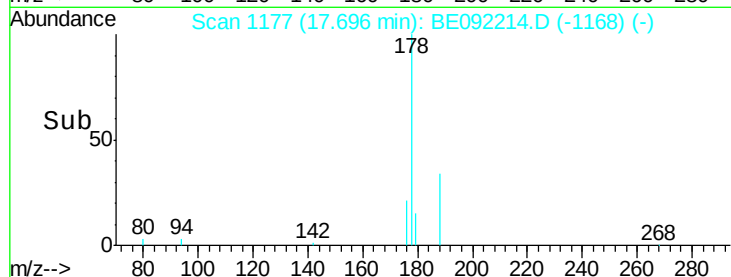
179 14.6 12.2 18.4



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092214.D

Acq: 5 Aug 2016 11:28

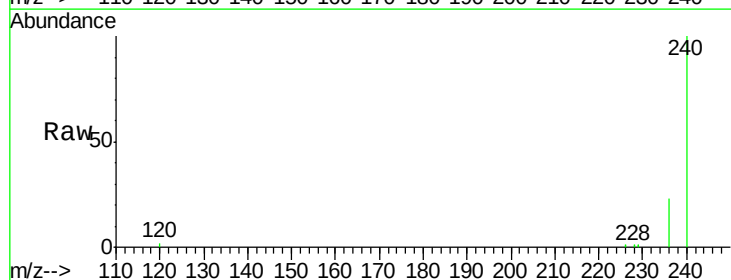
Tgt Ion:240 Resp: 70540

Ion Ratio Lower Upper

240 100

120 1.6 0.6 1.0#

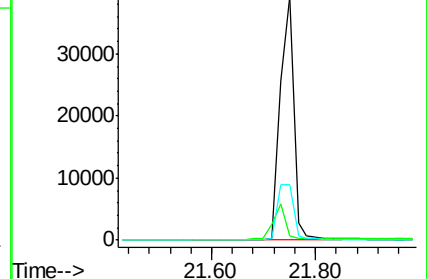
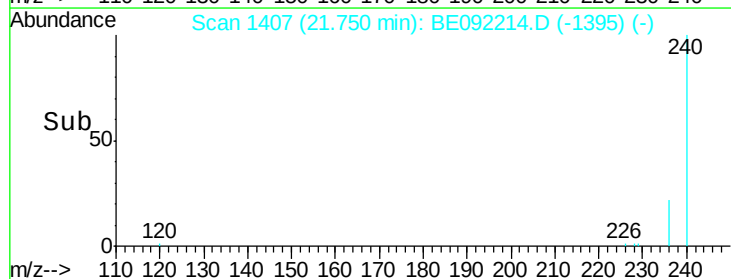
236 22.6 18.2 27.4

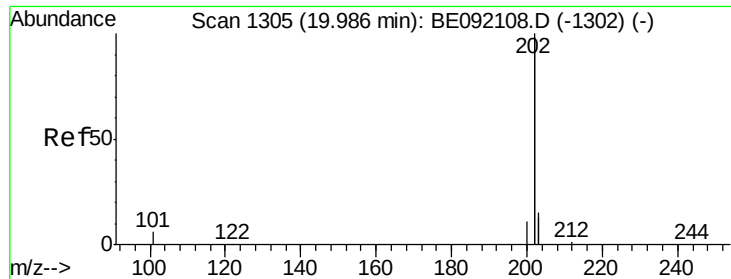


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

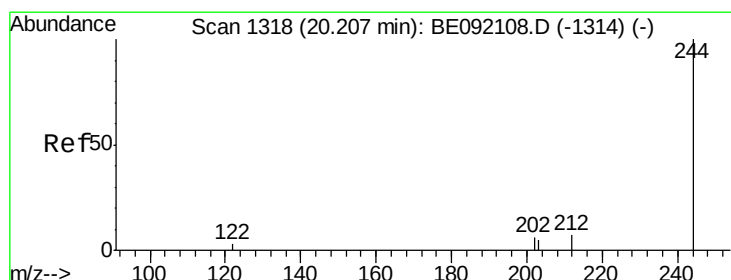
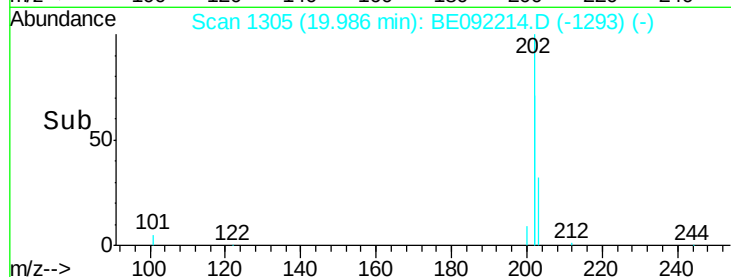
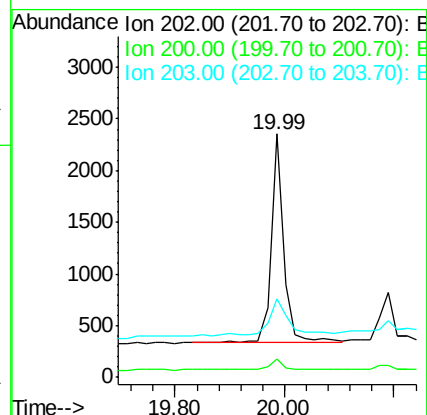
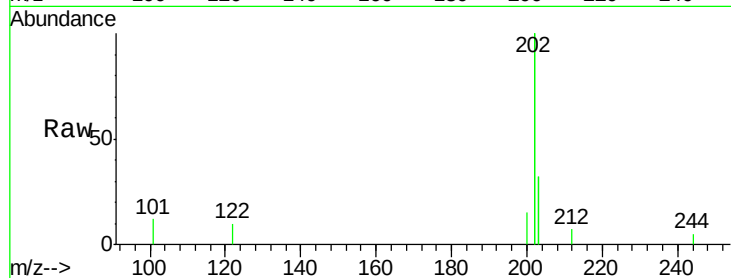




#23
Pvrene
Concen: 0.05 ng
RT: 19.99 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

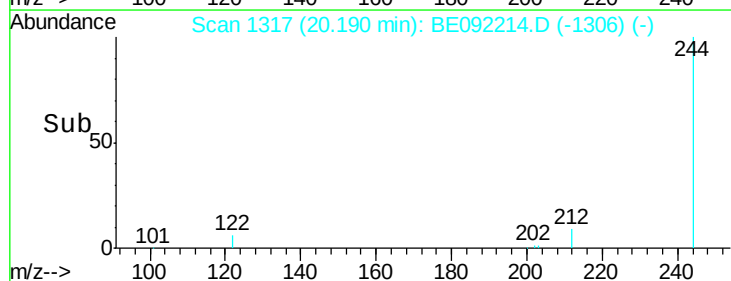
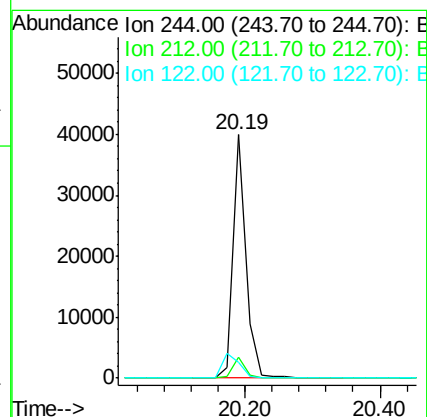
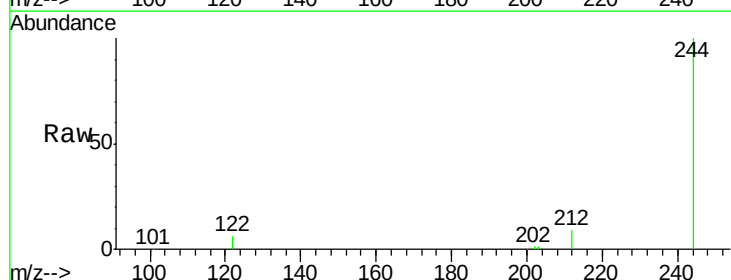
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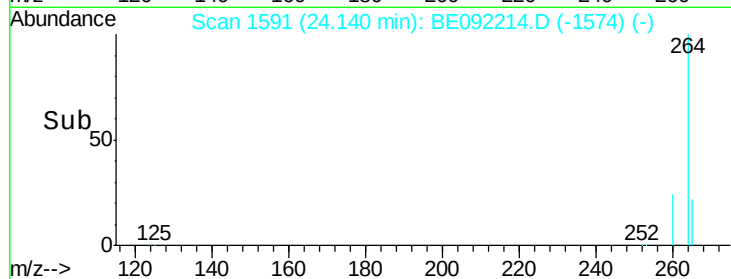
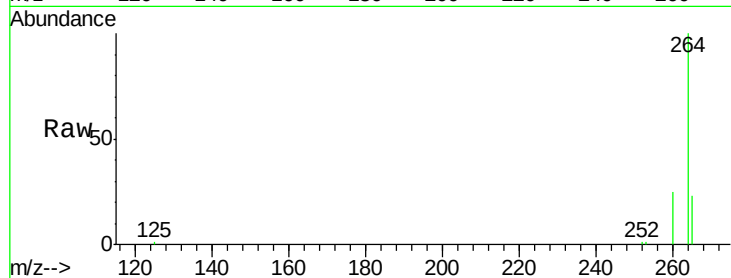
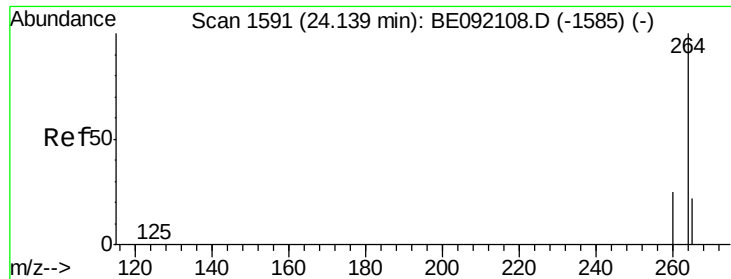
Tot Ion:202 Resp: 3327
Ion Ratio Lower Upper
202 100
200 5.1 4.4 6.6
203 23.5 13.4 20.0#



#24
Terphenyl-d14
Concen: 5.20 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092214.D
Acq: 5 Aug 2016 11:28

Tgt Ion:244 Resp: 52635
Ion Ratio Lower Upper
244 100
212 8.7 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: BE092214.D

Acq: 5 Aug 2016 11:28

Instrument :

BNA_E

ClientSampleId :

GW-67-6.4-15.0

Tot Ion:264 Resp: 69394

Ion Ratio Lower Upper

264 100

260 24.5 20.8 31.2

265 23.0 16.6 25.0

