

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092209.D
 Acq On : 5 Aug 2016 8:20
 Operator : UM/SJ
 Sample : H4288-21
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-65-10.0-15.0

Quant Time: Aug 05 17:50:40 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

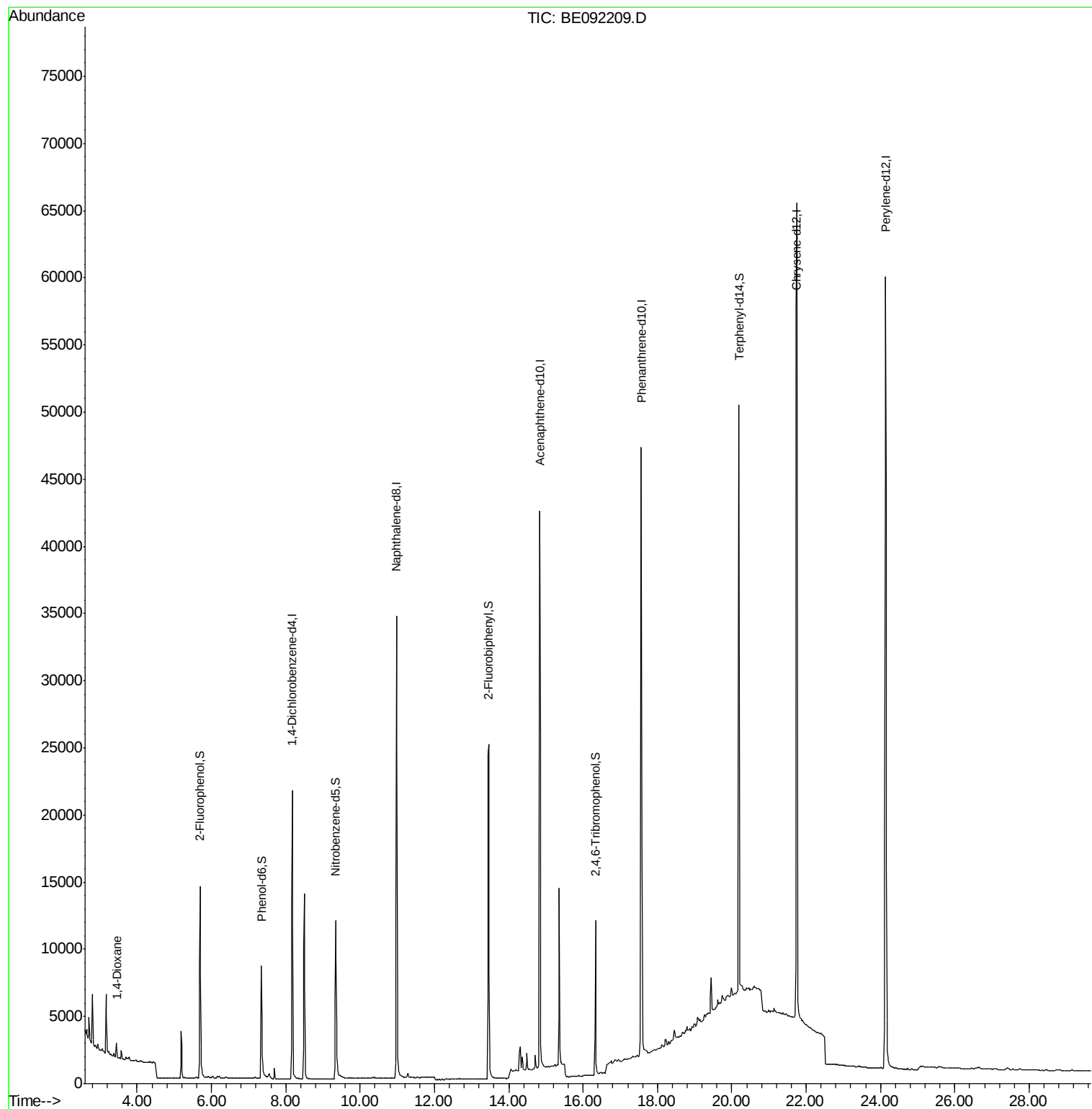
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11143	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	52091	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29857	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	69983	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	88237	5.00	ng	0.00
28) Perylene-d12	24.14	264	89125	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	12551	4.39	ng	0.00
5) Phenol-d6	7.35	99	11154	2.93	ng	0.00
7) Nitrobenzene-d5	9.34	82	12987	3.16	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8433	8.70	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	29585	3.13	ng	0.00
24) Terphenyl-d14	20.19	244	48909	3.86	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	735	0.48	ng	Qvalue # 65

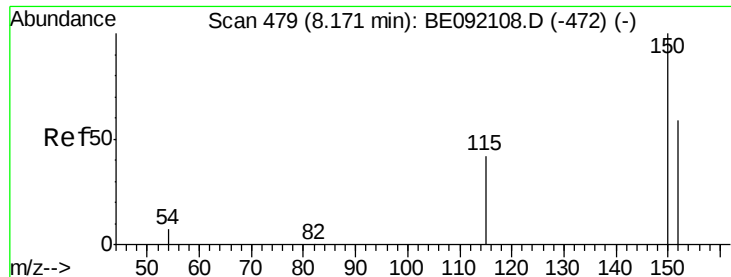
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

GW-65-10.0-15.0

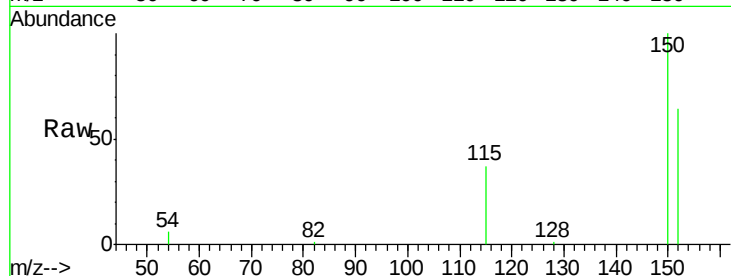
Tot Ion:152 Resp: 11143

Ion Ratio Lower Upper

152 100

150 157.2 106.0 159.0

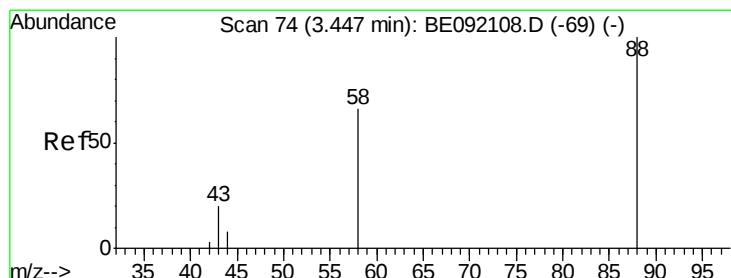
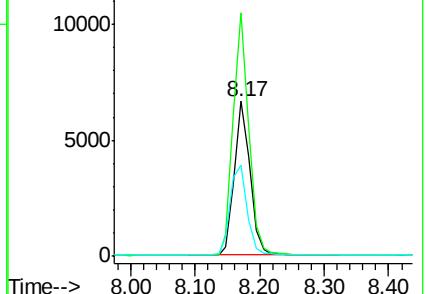
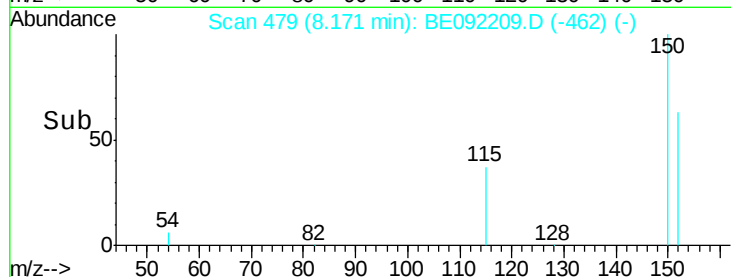
115 58.7 36.9 55.3#



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: 0.48 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

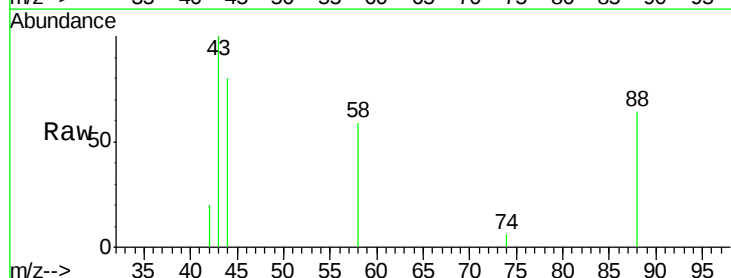
Tgt Ion: 88 Resp: 735

Ion Ratio Lower Upper

88 100

58 92.7 62.1 93.1

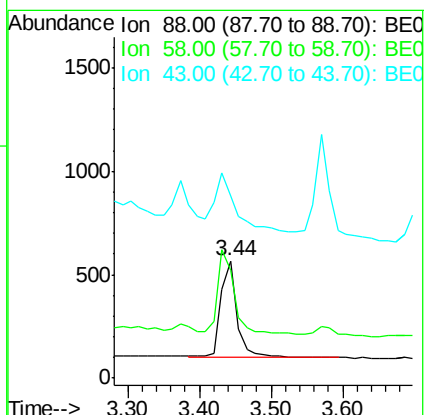
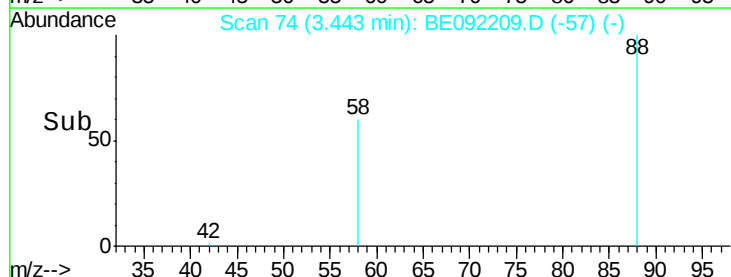
43 77.7 27.2 40.8#

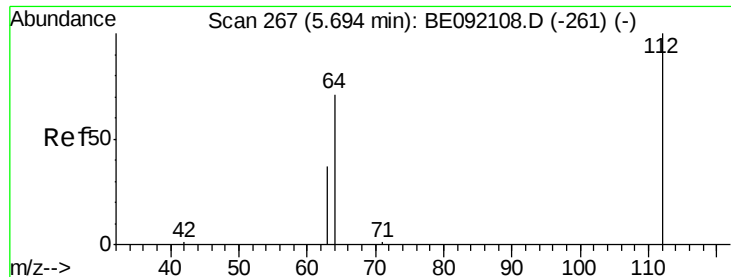


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.39 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

GW-65-10.0-15.0

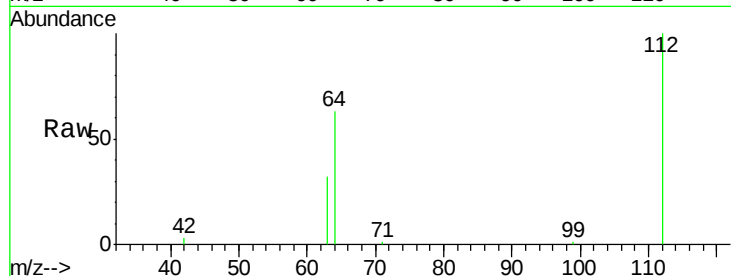
Tot Ion:112 Resp: 12551

Ion Ratio Lower Upper

112 100

64 66.5 55.9 83.9

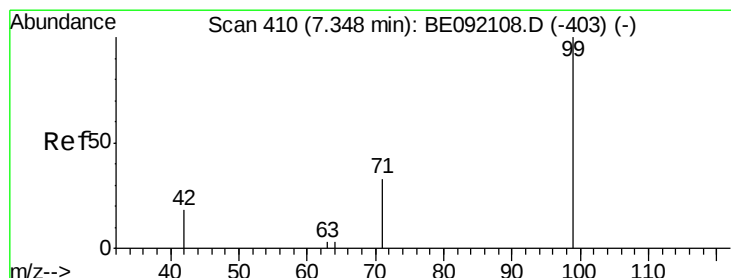
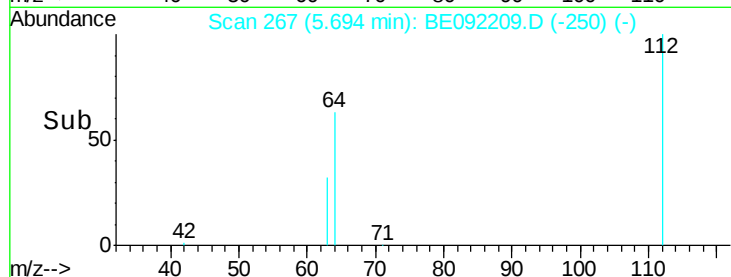
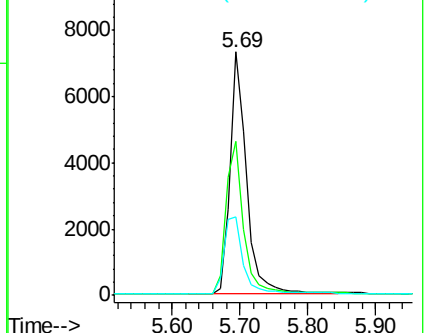
63 36.2 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE092108.D (-261) (-)

Ion 64.00 (63.70 to 64.70): BE092108.D (-261) (-)

Ion 63.00 (62.70 to 63.70): BE092108.D (-261) (-)



#5

Phenol-d6

Concen: 2.93 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

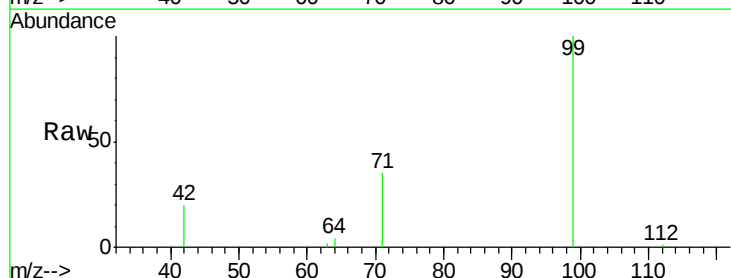
Tgt Ion: 99 Resp: 11154

Ion Ratio Lower Upper

99 100

42 25.2 22.4 33.6

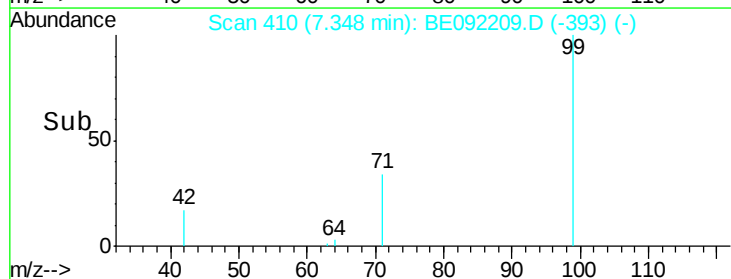
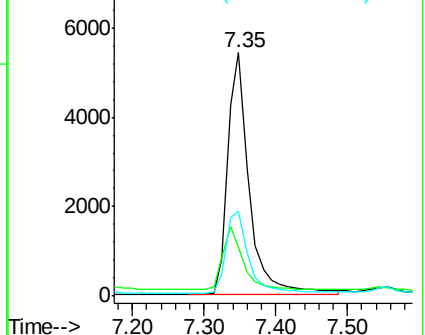
71 36.4 28.9 43.3

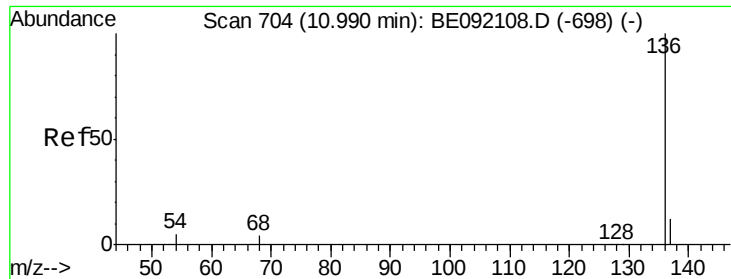


Abundance Ion 99.00 (98.70 to 99.70): BE092108.D (-403) (-)

Ion 42.00 (41.70 to 42.70): BE092108.D (-403) (-)

Ion 71.00 (70.70 to 71.70): BE092108.D (-403) (-)

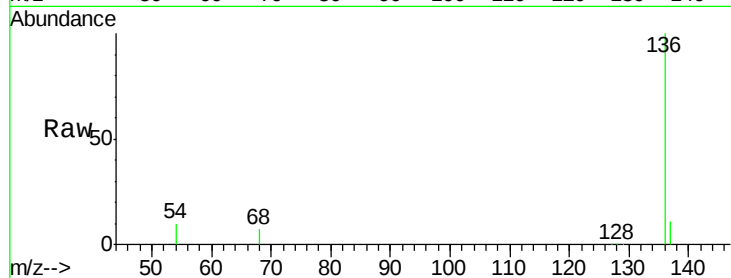




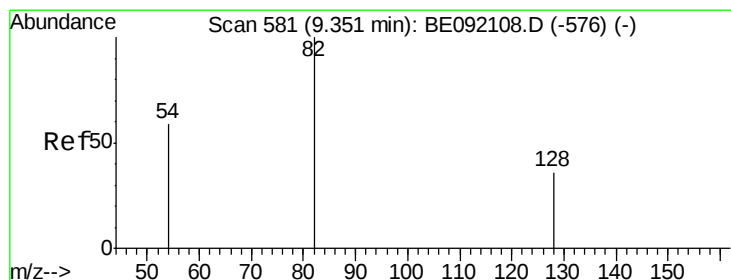
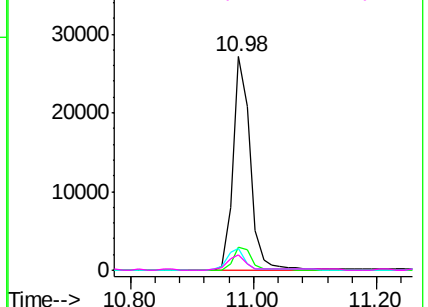
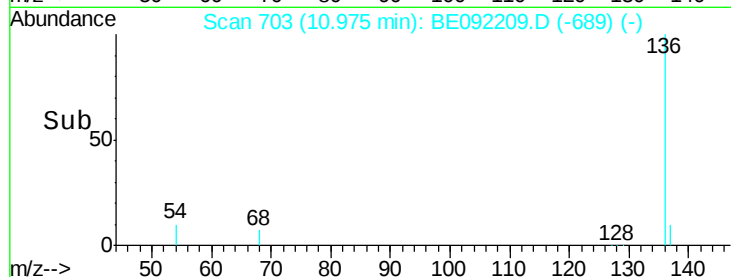
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

Instrument :
BNA_E
ClientSampleId :
GW-65-10.0-15.0

Tot Ion:136	Resp:	52091
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	9.9	2.7 4.1#
68	7.1	2.2 3.4#

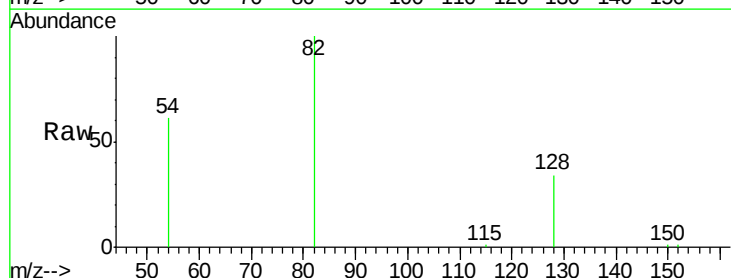


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

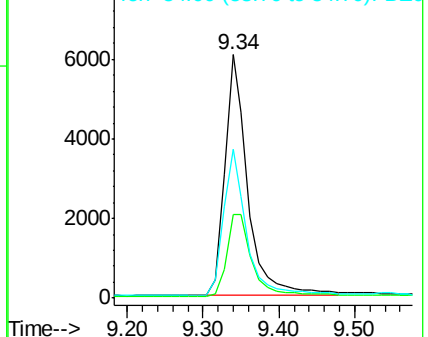
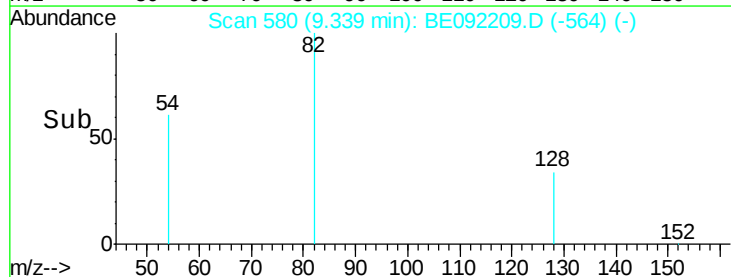


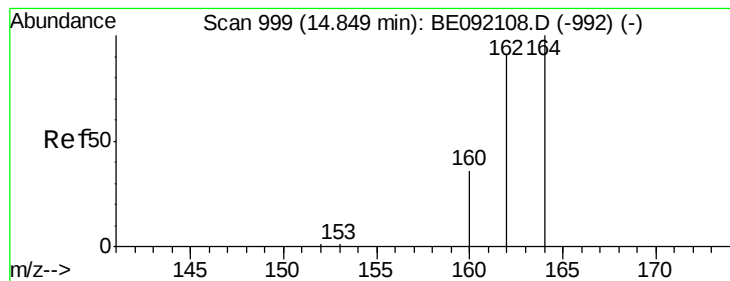
#7
Nitrobenzene-d5
Concen: 3.16 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

Tgt Ion: 82	Resp:	12987
Ion Ratio	Lower	Upper
82	100	
128	34.5	33.0 49.4
54	61.4	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: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

GW-65-10.0-15.0

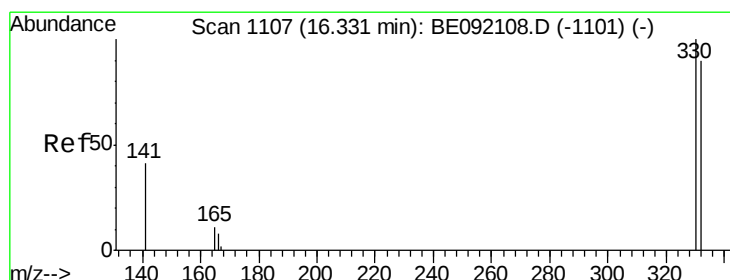
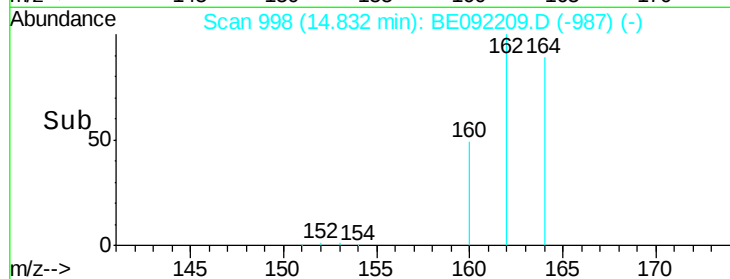
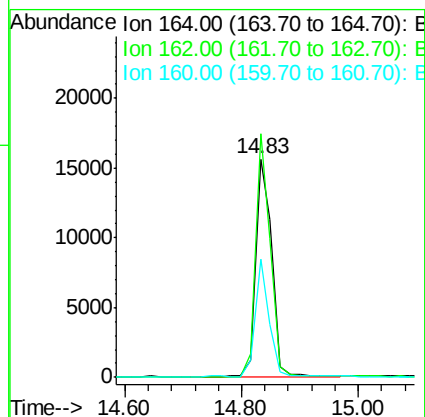
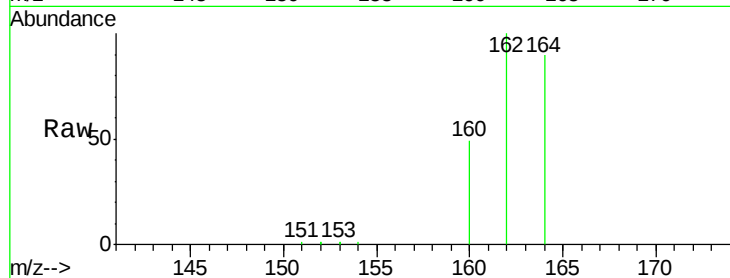
Tot Ion:164 Resp: 29857

Ion Ratio Lower Upper

164 100

162 111.6 69.5 104.3#

160 54.4 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 8.70 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092209.D

Acq: 5 Aug 2016 8:20

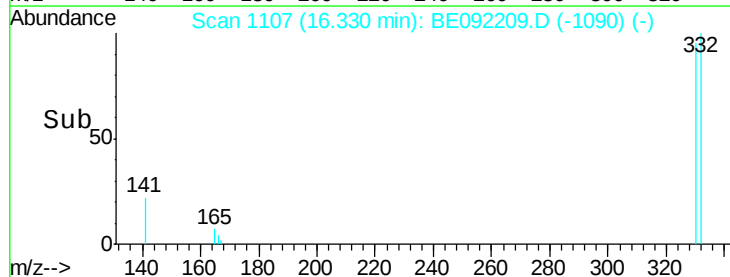
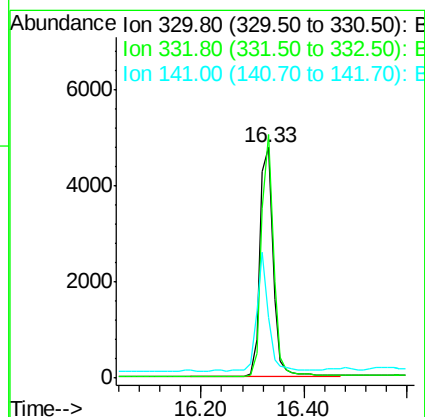
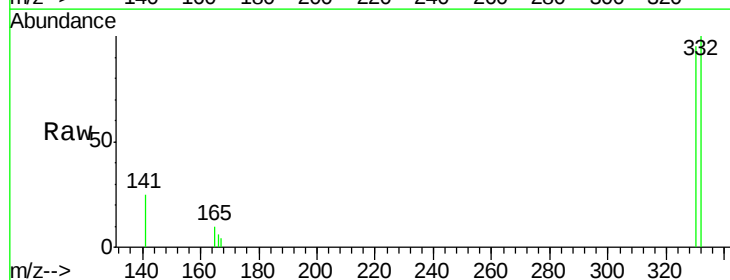
Tgt Ion:330 Resp: 8433

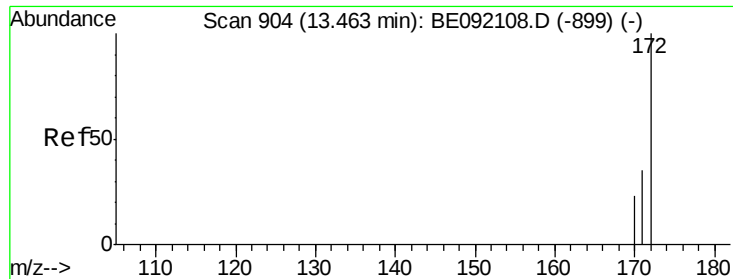
Ion Ratio Lower Upper

330 100

332 97.2 74.2 111.4

141 44.6 139.8 209.8#

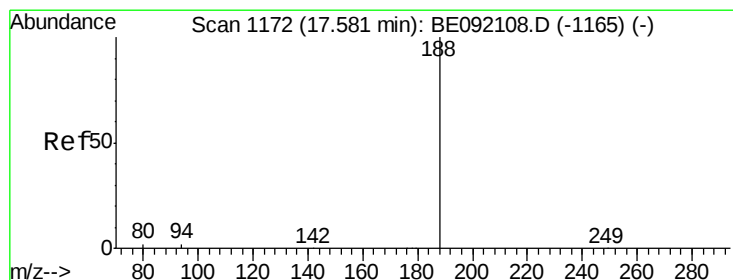
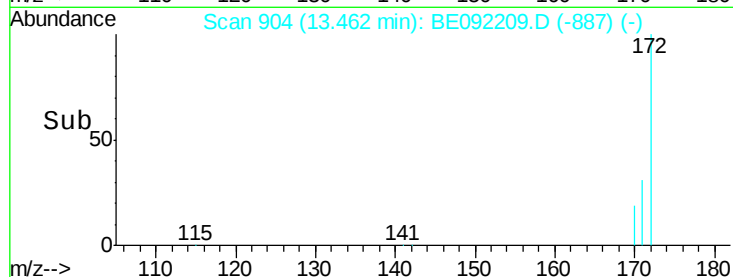
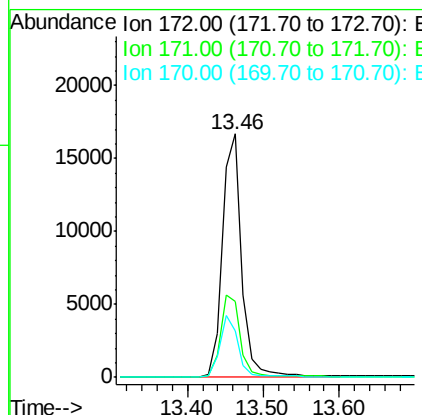
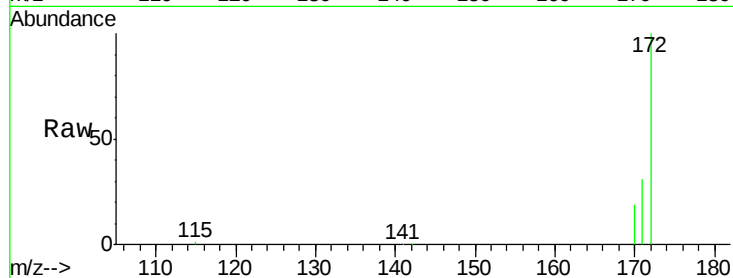




#12
2-Fluorobiphenyl
Concen: 3.13 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

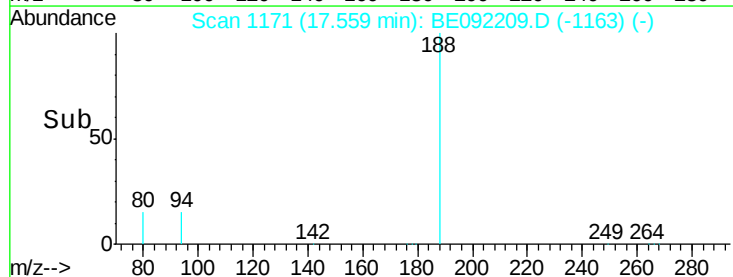
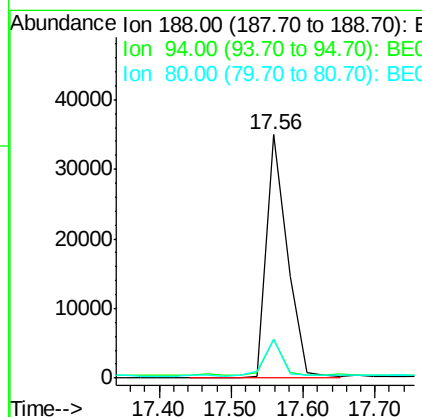
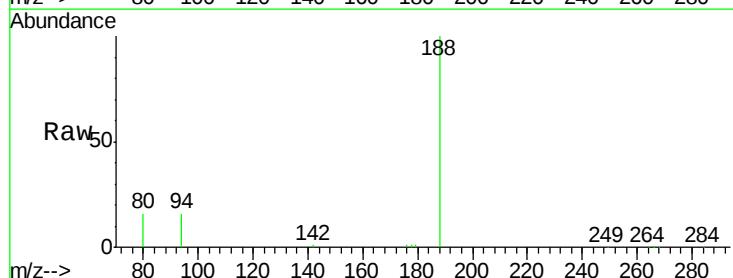
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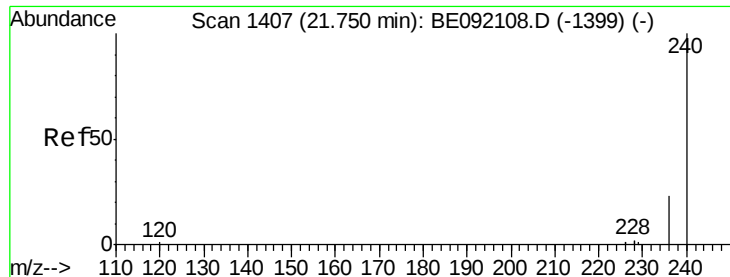
Tot Ion:172 Resp: 29585
Ion Ratio Lower Upper
172 100
171 31.1 30.3 45.5
170 18.9 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

Tgt Ion:188 Resp: 69983
Ion Ratio Lower Upper
188 100
94 15.7 3.9 5.9#
80 15.9 3.4 5.0#

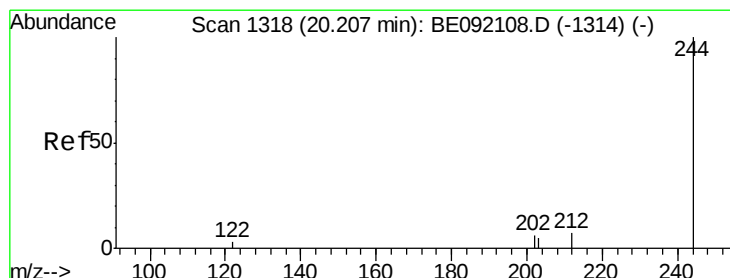
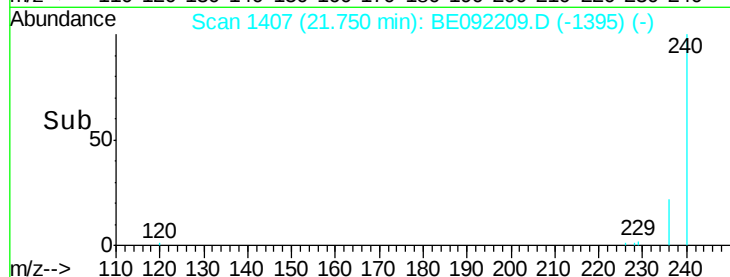
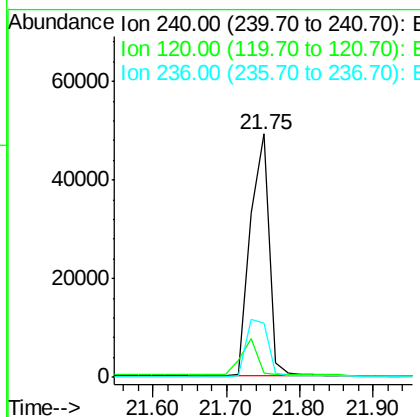
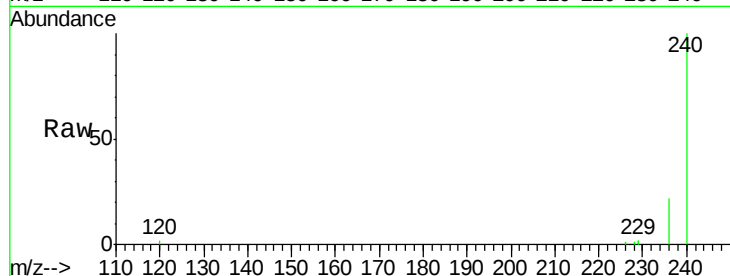




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

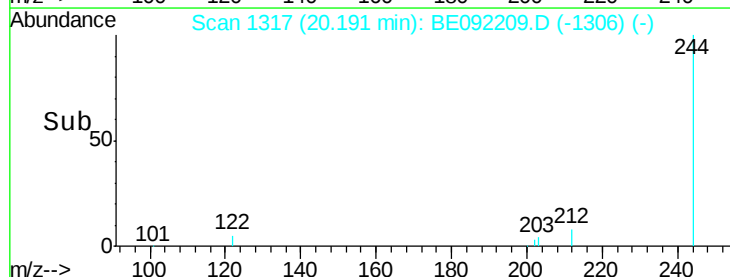
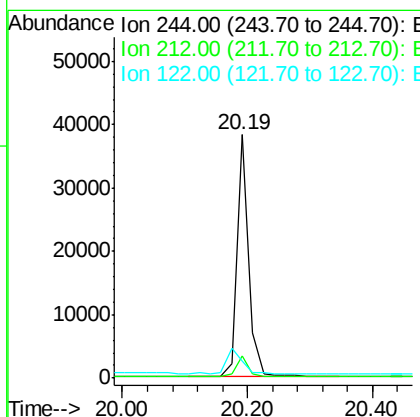
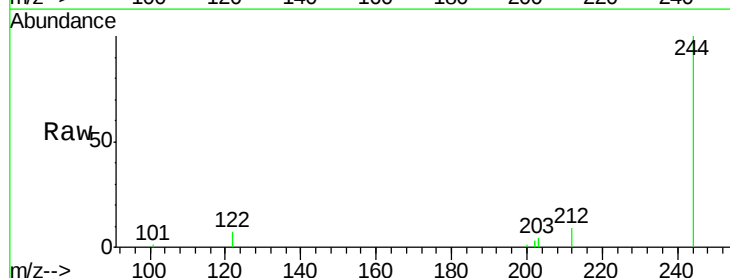
Instrument :
BNA_E
ClientSampleId :
GW-65-10.0-15.0

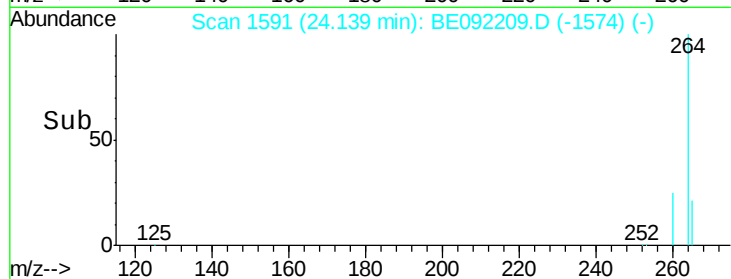
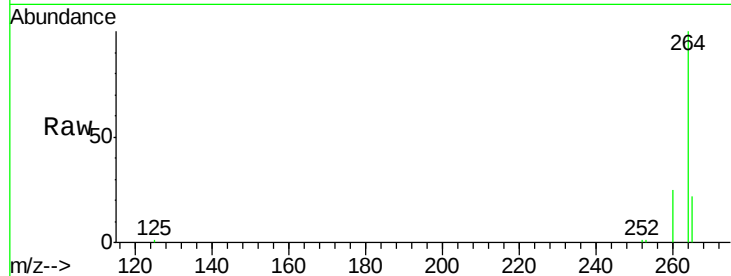
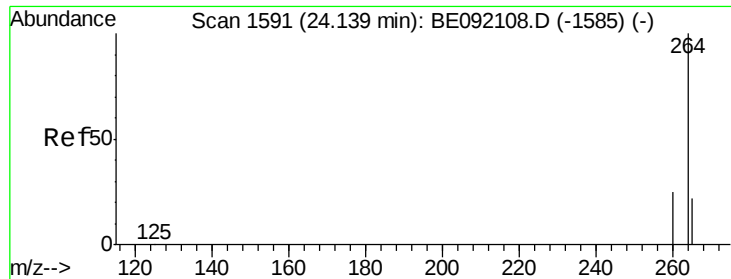
Tot Ion:240 Resp: 88237
Ion Ratio Lower Upper
240 100
120 1.9 0.6 1.0#
236 22.3 18.2 27.4



#24
Terphenyl-d14
Concen: 3.86 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092209.D
Acq: 5 Aug 2016 8:20

Tgt Ion:244 Resp: 48909
Ion Ratio Lower Upper
244 100
212 8.9 9.1 13.7#
122 7.1 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: BE092209.D

Acq: 5 Aug 2016 8:20

Instrument :

BNA_E

ClientSampleId :

GW-65-10.0-15.0

Tot Ion:264 Resp: 89125

Ion Ratio Lower Upper

264 100

260 25.4 20.8 31.2

265 21.6 16.6 25.0

