

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080416\
 Data File : BE092213.D
 Acq On : 5 Aug 2016 10:49
 Operator : UM/SJ
 Sample : H4288-25
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-66-6.5-15.0

Quant Time: Aug 05 17:27:23 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

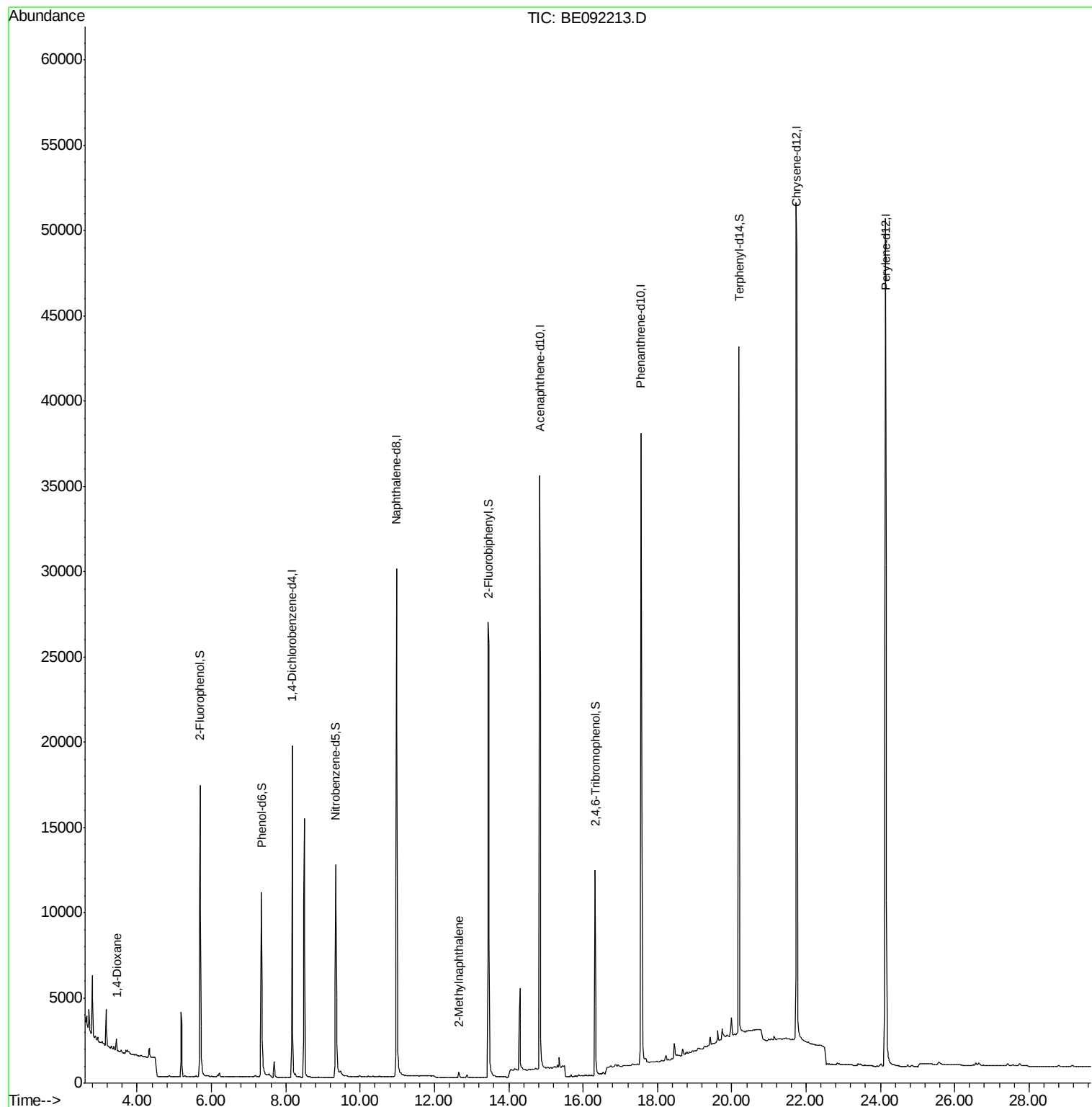
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10048	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	45669	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	25587	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	58002	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	74409	5.00	ng	0.00
28) Perylene-d12	24.14	264	74699	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	14517	5.63	ng	0.00
5) Phenol-d6	7.35	99	13401	3.90	ng	0.00
7) Nitrobenzene-d5	9.34	82	14045	3.90	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	8862	10.67	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	32018	3.95	ng	0.00
24) Terphenyl-d14	20.19	244	46658	4.37	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	421	0.31	ng	# 48
9) 2-Methylnaphthalene	12.65	142	359	0.07	ng	# 77

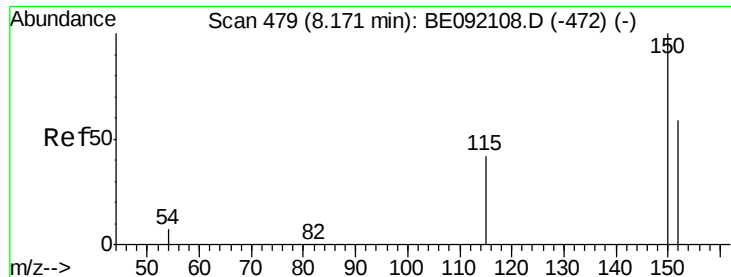
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

GW-66-6.5-15.0

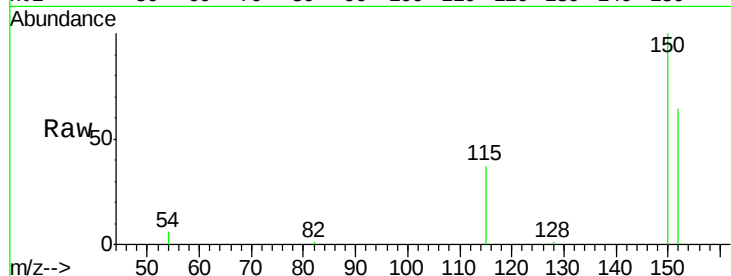
Tot Ion:152 Resp: 10048

Ion Ratio Lower Upper

152 100

150 157.0 106.0 159.0

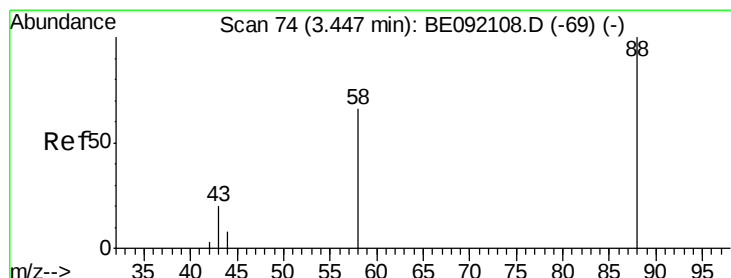
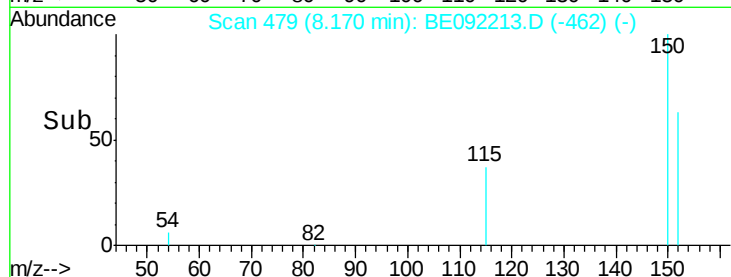
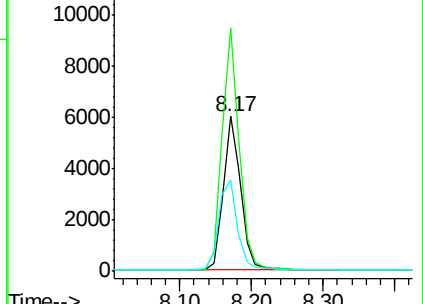
115 58.8 36.9 55.3#



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: 0.31 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

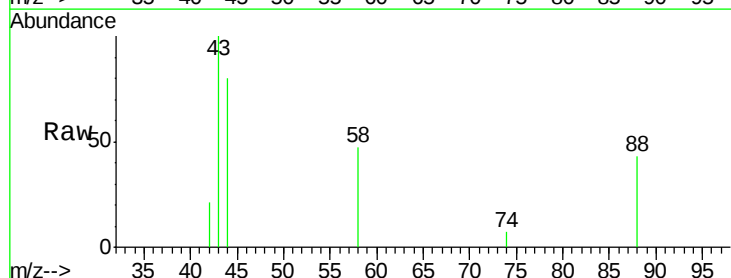
Tgt Ion: 88 Resp: 421

Ion Ratio Lower Upper

88 100

58 95.0 62.1 93.1#

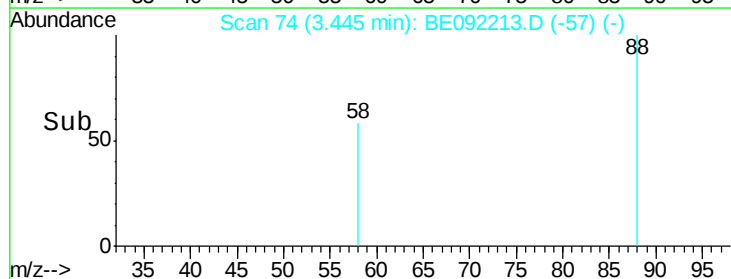
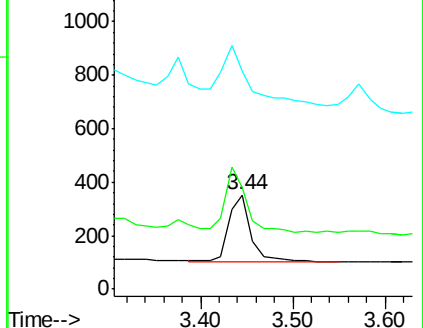
43 106.4 27.2 40.8#

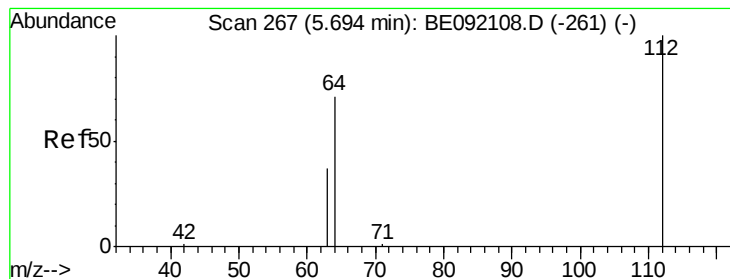


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 5.63 ng

RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

GW-66-6.5-15.0

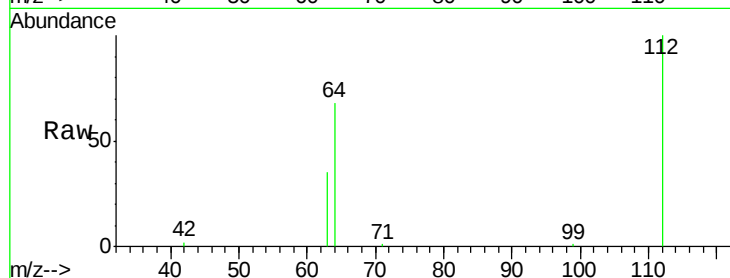
Tot Ion:112 Resp: 14517

Ion Ratio Lower Upper

112 100

64 67.5 55.9 83.9

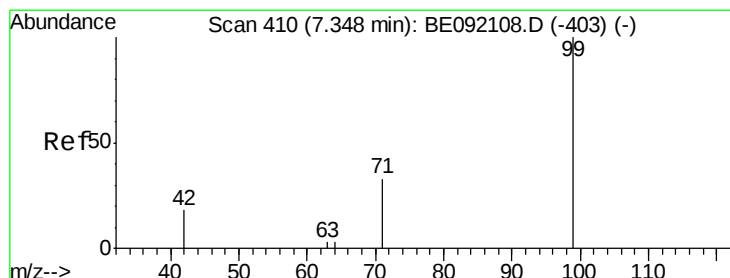
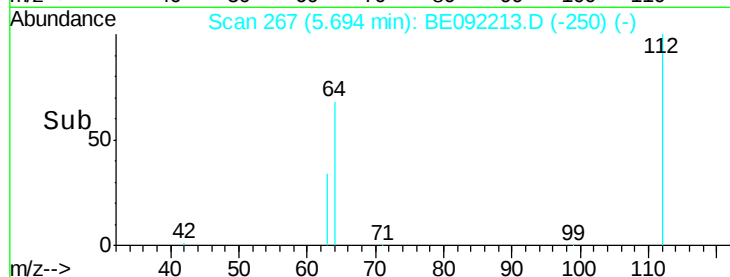
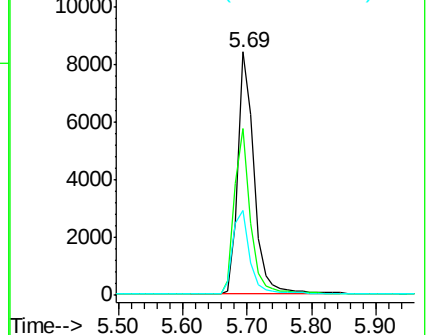
63 36.3 31.1 46.7



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: 3.90 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

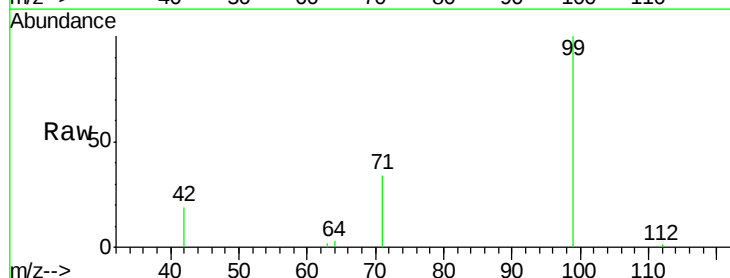
Tgt Ion: 99 Resp: 13401

Ion Ratio Lower Upper

99 100

42 24.6 22.4 33.6

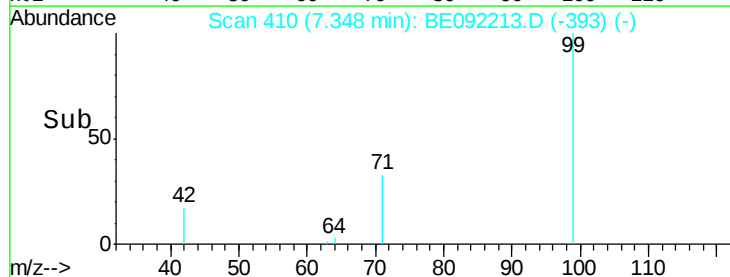
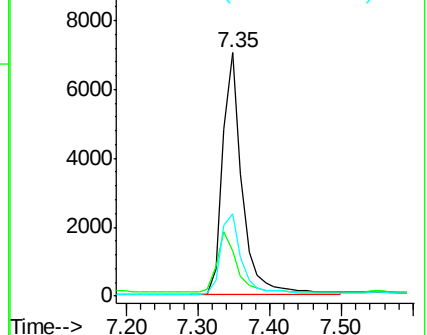
71 36.2 28.9 43.3

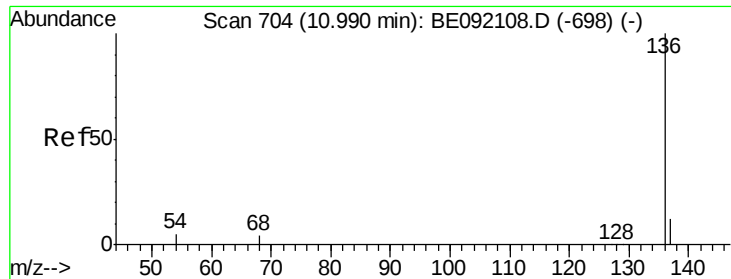


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

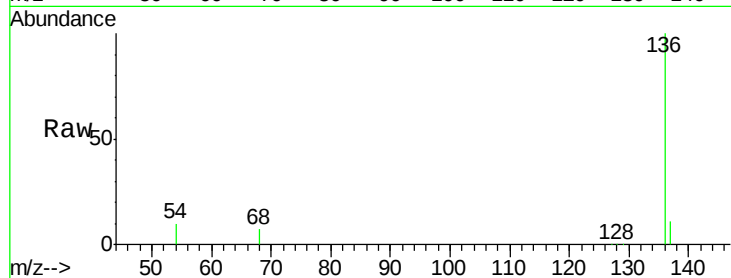




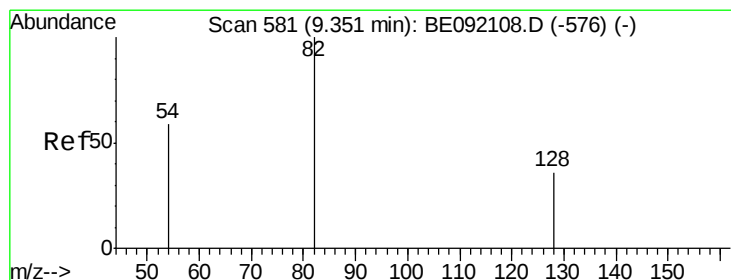
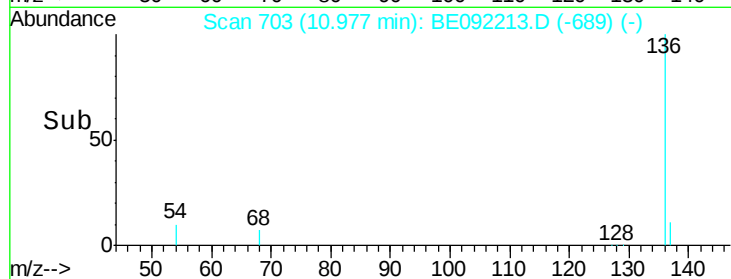
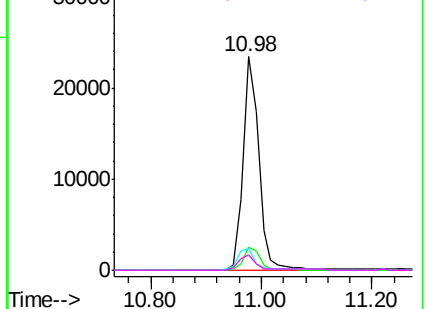
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092213.D
Acq: 5 Aug 2016 10:49

Instrument :
BNA_E
ClientSampleId :
GW-66-6.5-15.0

Tot Ion:136	Resp:	45669
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.1 13.7
54	10.0	2.7 4.1#
68	7.1	2.2 3.4#

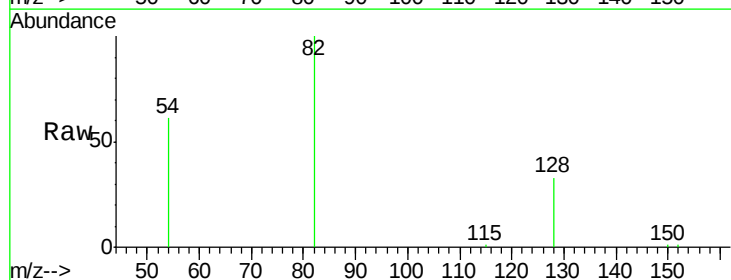


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

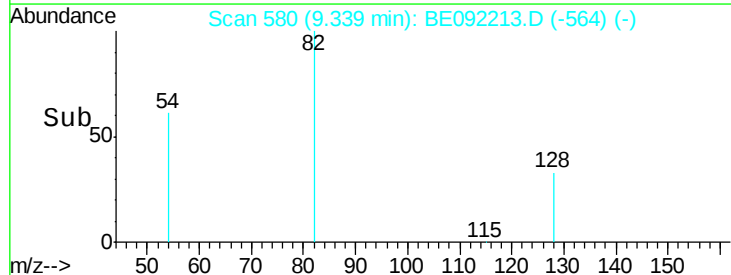
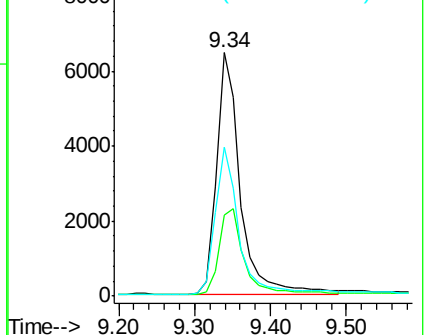


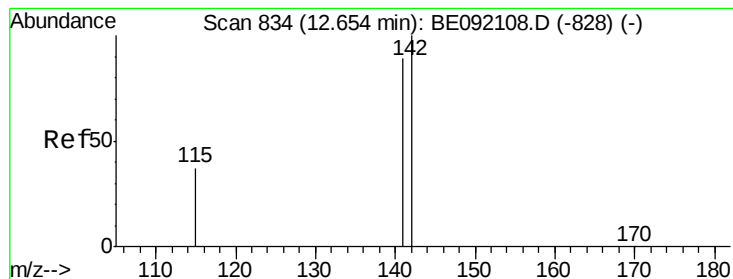
#7
Nitrobenzene-d5
Concen: 3.90 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092213.D
Acq: 5 Aug 2016 10:49

Tgt Ion: 82	Resp:	14045
Ion	Ratio	Lower Upper
82	100	
128	33.1	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





#9

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

GW-66-6.5-15.0

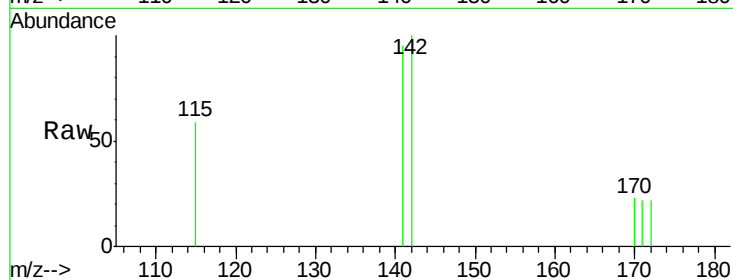
Tot Ion:142 Resp: 359

Ion Ratio Lower Upper

142 100

141 94.7 65.1 97.7

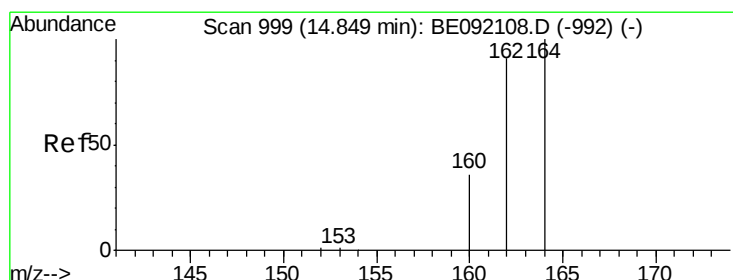
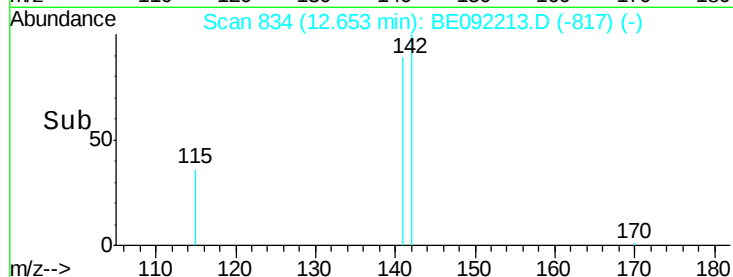
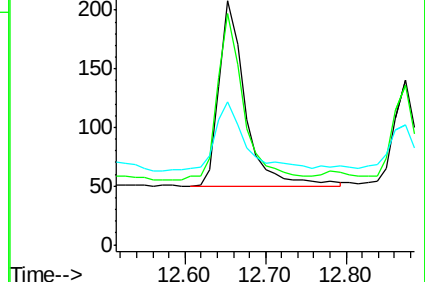
115 58.7 27.0 40.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

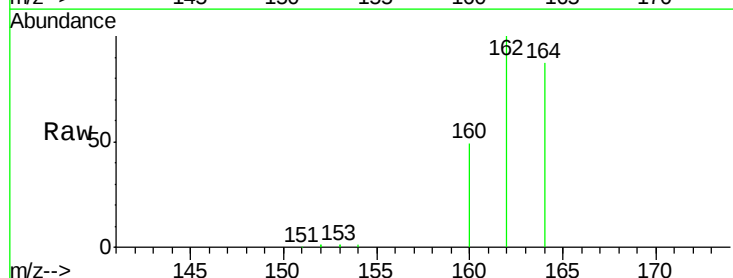
Tgt Ion:164 Resp: 25587

Ion Ratio Lower Upper

164 100

162 115.1 69.5 104.3#

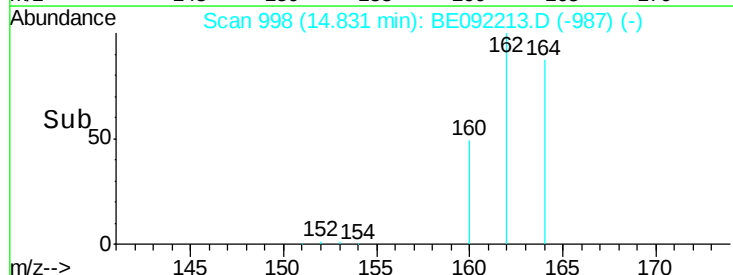
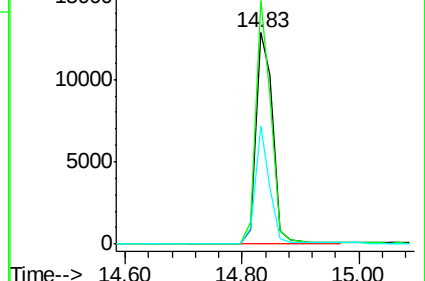
160 56.1 27.6 41.4#

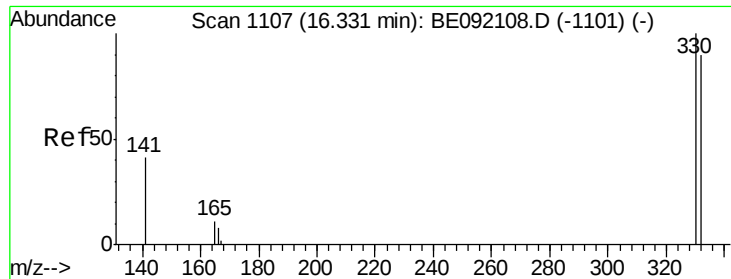


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

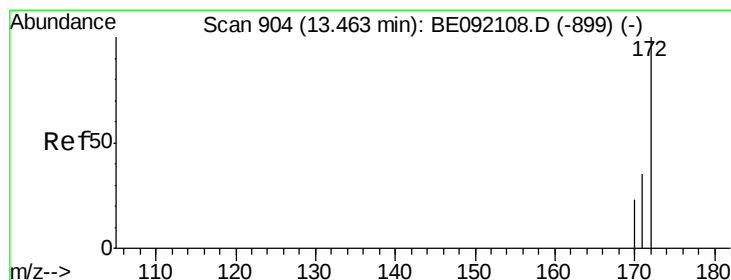
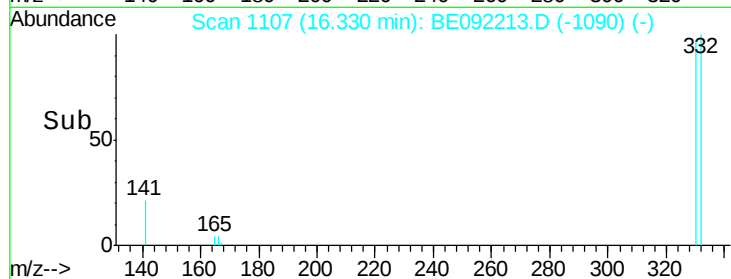
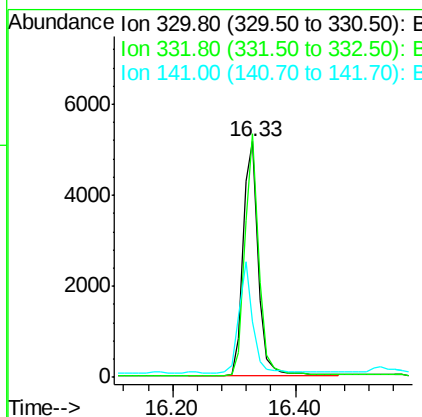
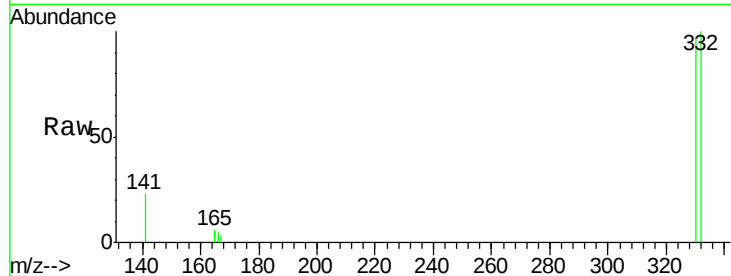




#11
 2,4,6-Tribromophenol
 Concen: 10.67 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092213.D
 Acq: 5 Aug 2016 10:49

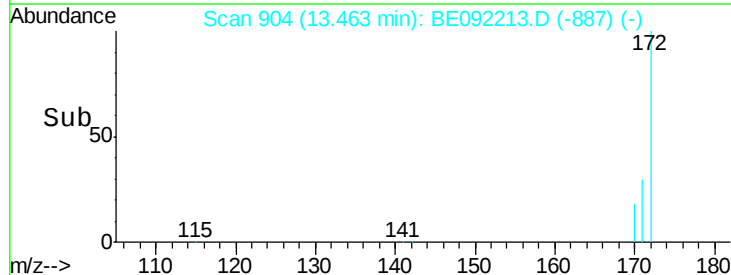
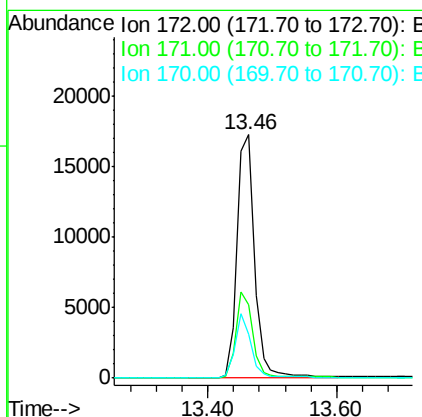
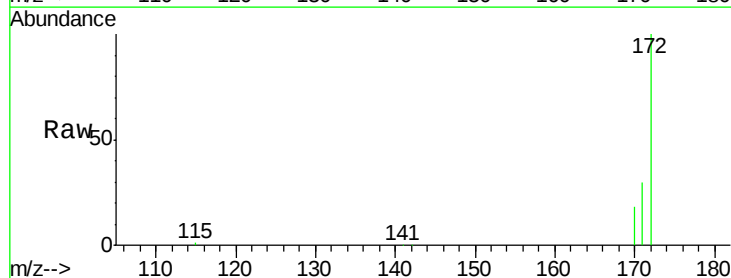
Instrument :
 BNA_E
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 GW-66-6.5-15.0

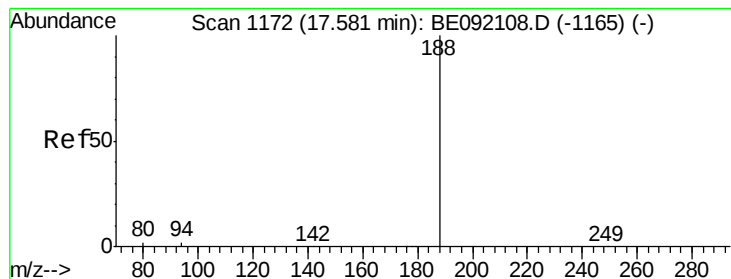
Tot Ion:330 Resp: 8862
 Ion Ratio Lower Upper
 330 100
 332 96.0 74.2 111.4
 141 43.0 139.8 209.8#



#12
 2-Fluorobiphenyl
 Concen: 3.95 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092213.D
 Acq: 5 Aug 2016 10:49

Tgt Ion:172 Resp: 32018
 Ion Ratio Lower Upper
 172 100
 171 30.2 30.3 45.5#
 170 18.0 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: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

GW-66-6.5-15.0

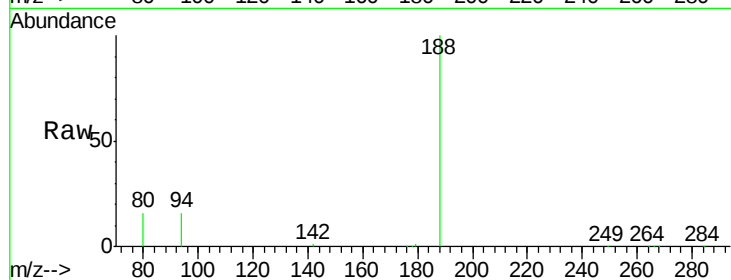
Tot Ion:188 Resp: 58002

Ion Ratio Lower Upper

188 100

94 15.8 3.9 5.9#

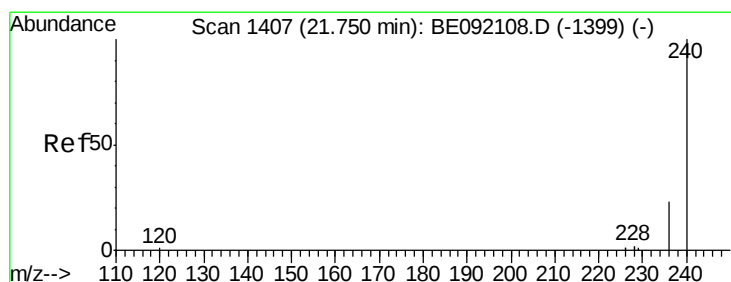
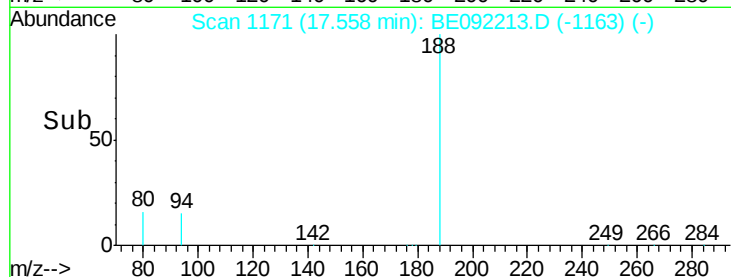
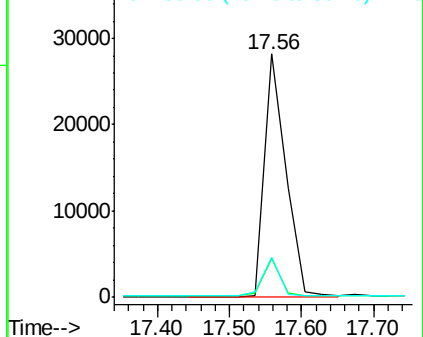
80 16.5 3.4 5.0#



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

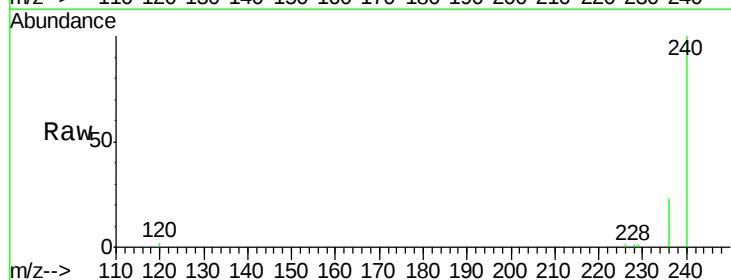
Tgt Ion:240 Resp: 74409

Ion Ratio Lower Upper

240 100

120 1.7 0.6 1.0#

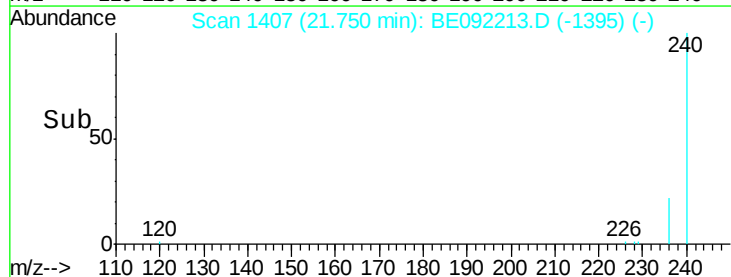
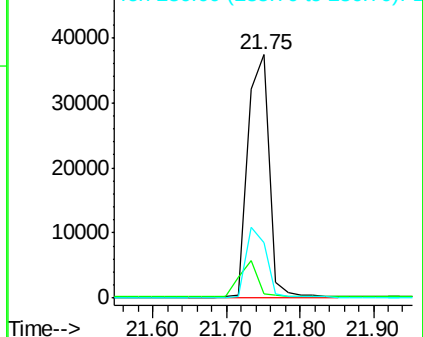
236 22.6 18.2 27.4

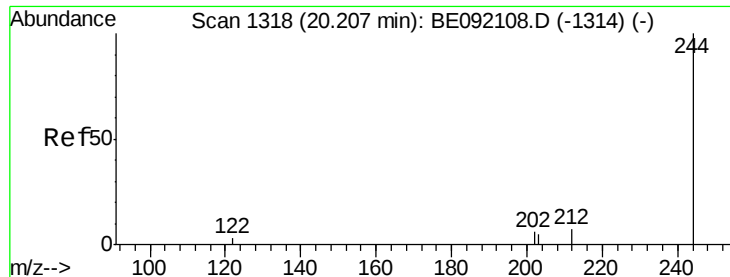


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 4.37 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092213.D

Acq: 5 Aug 2016 10:49

Instrument :

BNA_E

ClientSampleId :

GW-66-6.5-15.0

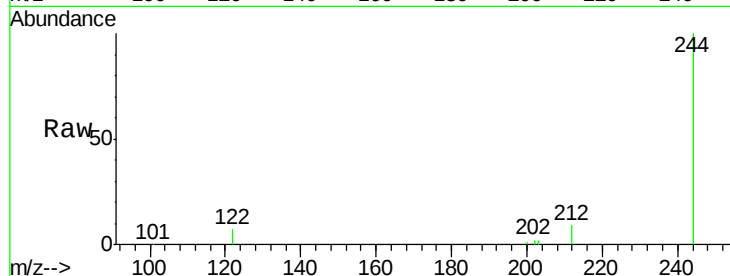
Tot Ion:244 Resp: 46658

Ion Ratio Lower Upper

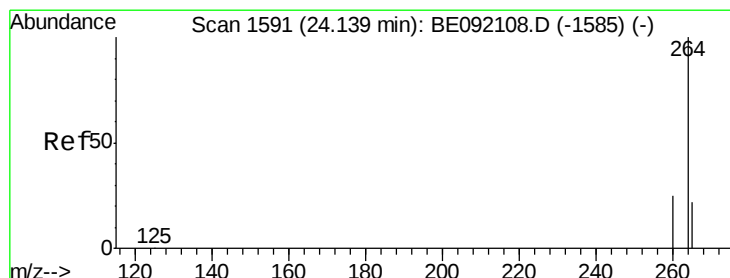
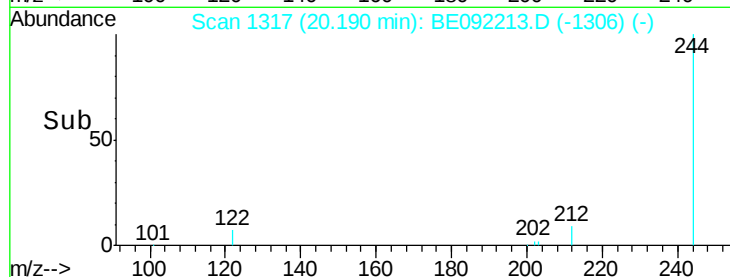
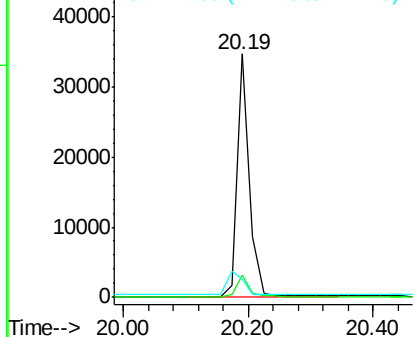
244 100

212 8.9 9.1 13.7#

122 7.5 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: BE092213.D

Acq: 5 Aug 2016 10:49

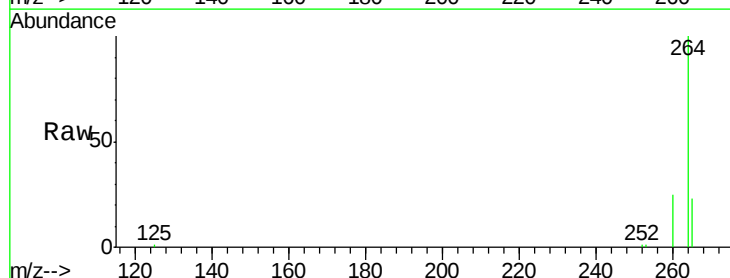
Tgt Ion:264 Resp: 74699

Ion Ratio Lower Upper

264 100

260 24.9 20.8 31.2

265 23.0 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

