

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092157.D
 Acq On : 3 Aug 2016 22:37
 Operator : UM/SJ
 Sample : H4176-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-36-6.5-15.0

Quant Time: Aug 04 03:57:57 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

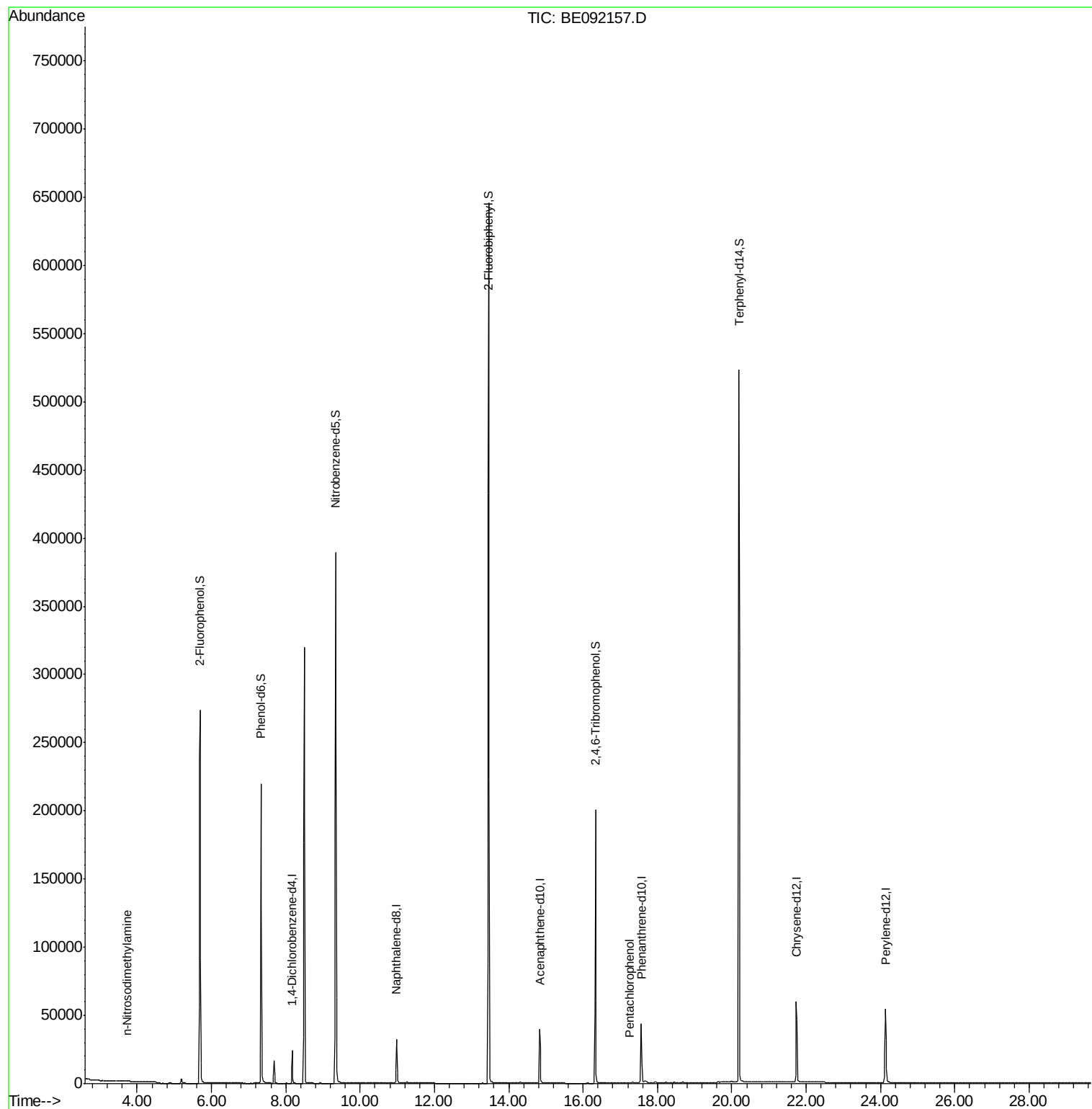
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12071	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	52168	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	28182	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	65436	5.00	ng	-0.02
22) Chrysene-d12	21.73	240	82452	5.00	ng	-0.02
28) Perylene-d12	24.14	264	82223	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	230303	74.29	ng	0.00
5) Phenol-d6	7.34	99	221907	53.73	ng	-0.01
7) Nitrobenzene-d5	9.34	82	337039	81.88	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	140892	153.96	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	622022	69.65	ng	0.00
24) Terphenyl-d14	20.19	244	737990	62.32	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.72	42	191	0.17	ng	# 1
18) Pentachlorophenol	17.24	266	35	0.22	ng	# 85
19) Phenanthrene	17.61	178	307	Below Cal		# 46
30) Benzo(k)fluoranthene	23.46	252	19	Below Cal		# 1

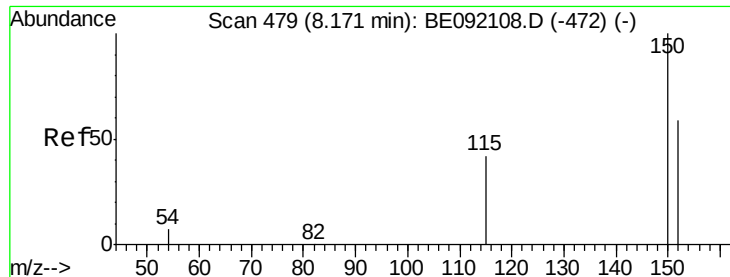
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092157.D

Acq: 3 Aug 2016 22:37

Instrument :

BNA_E

ClientSampleId :

GW-36-6.5-15.0

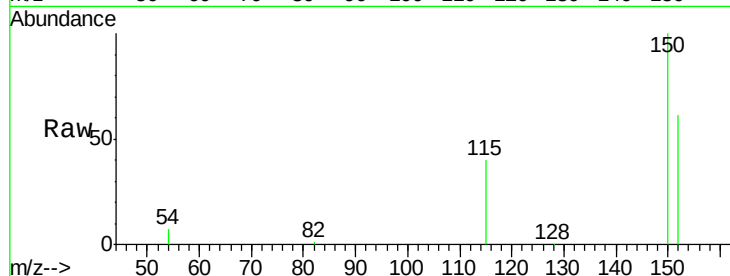
Tgt Ion:152 Resp: 12071

Ion Ratio Lower Upper

152 100

150 164.7 106.0 159.0#

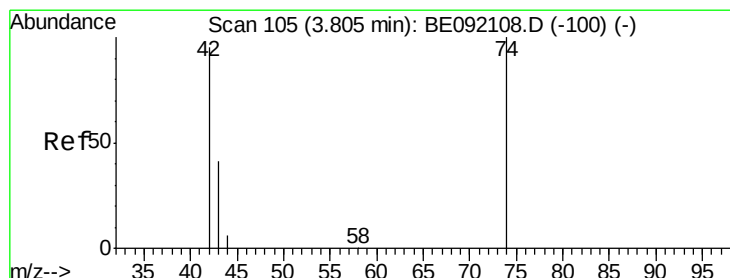
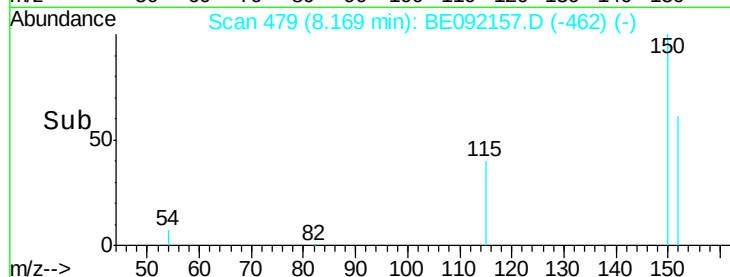
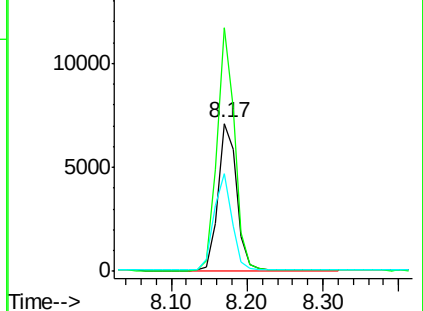
115 66.5 36.9 55.3#



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



#3

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.08 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

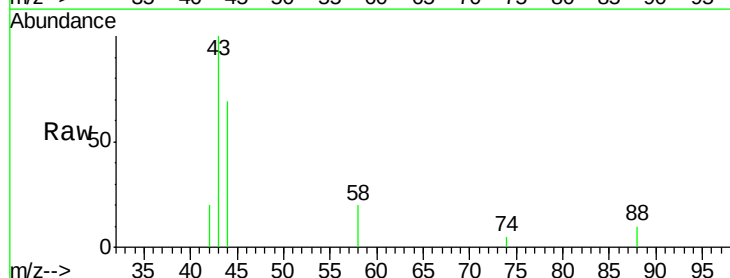
Tgt Ion: 42 Resp: 191

Ion Ratio Lower Upper

42 100

74 0.5 82.8 124.2#

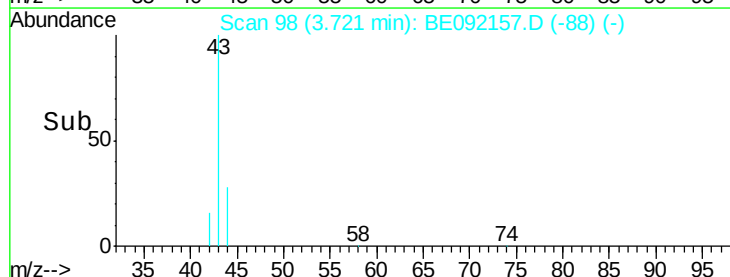
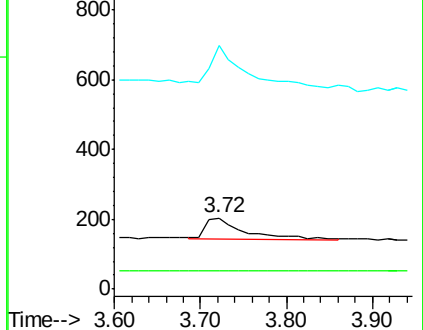
44 252.4 9.0 13.4#

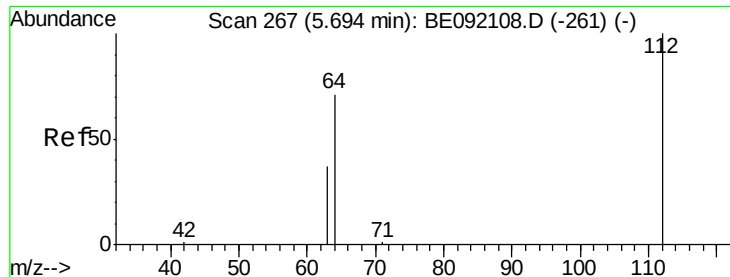


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 74.29 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

Instrument :

BNA_E

ClientSampleId :

GW-36-6.5-15.0

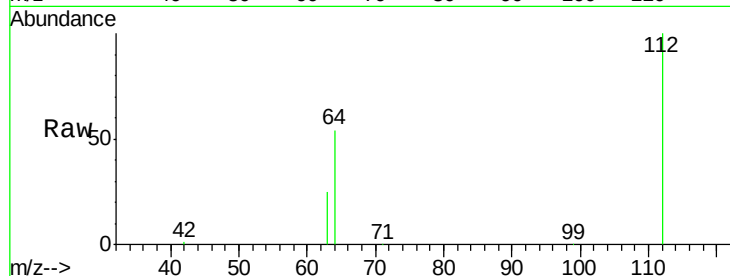
Tgt Ion: 112 Resp: 230303

Ion Ratio Lower Upper

112 100

64 69.2 55.9 83.9

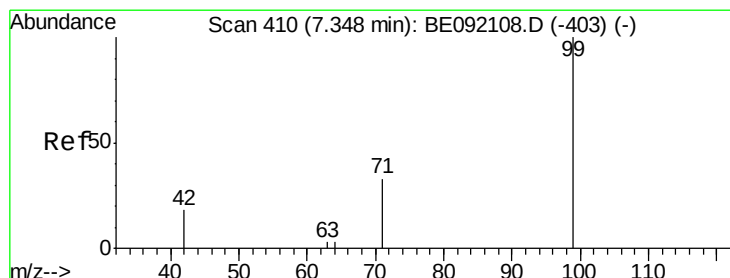
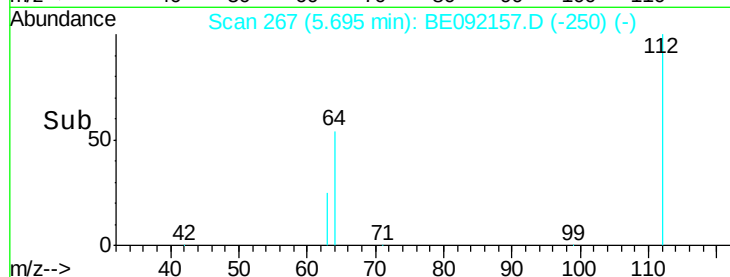
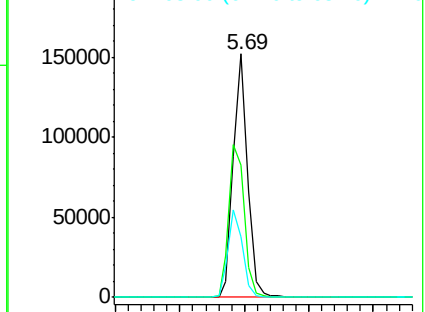
63 37.2 31.1 46.7



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: 53.73 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

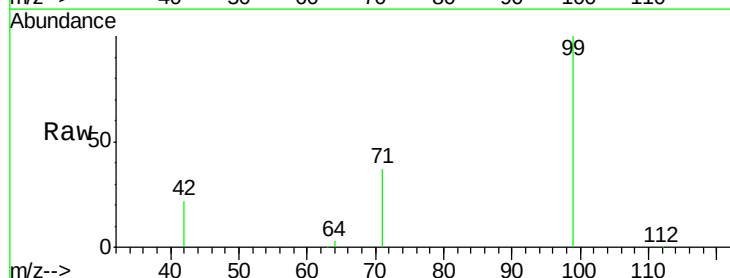
Tgt Ion: 99 Resp: 221907

Ion Ratio Lower Upper

99 100

42 25.0 22.4 33.6

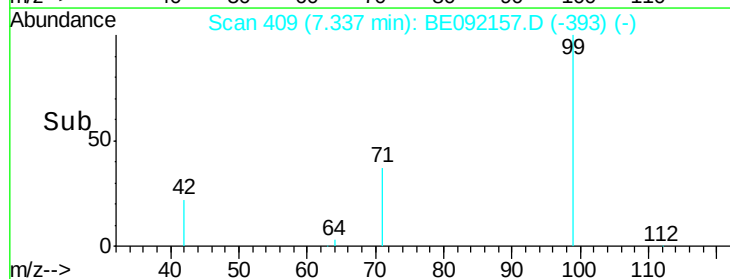
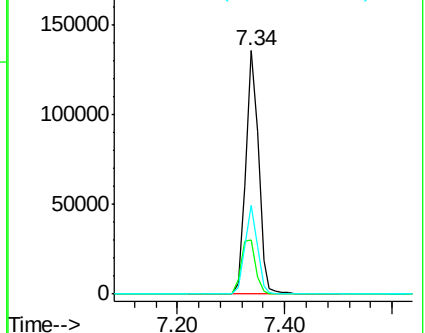
71 35.8 28.9 43.3

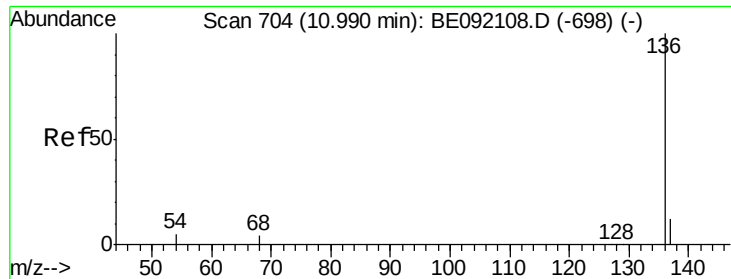


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

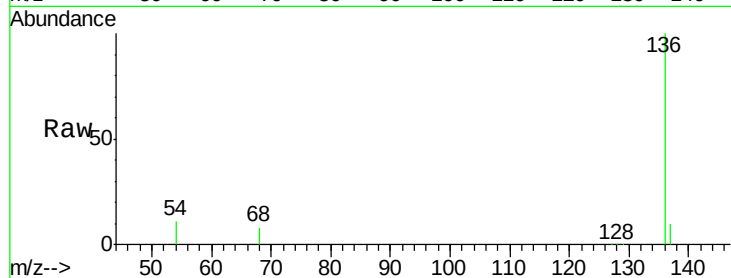




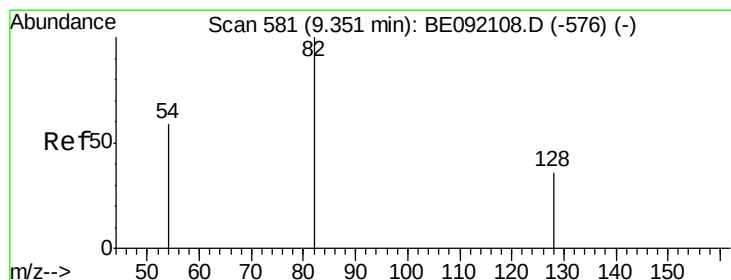
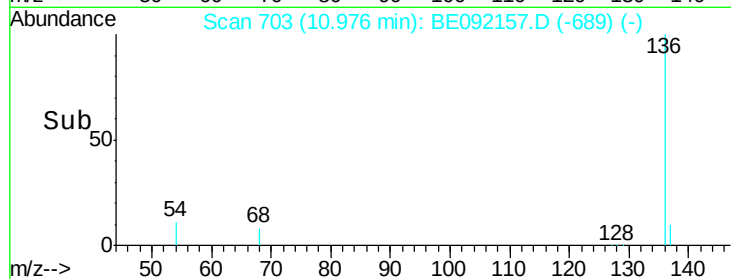
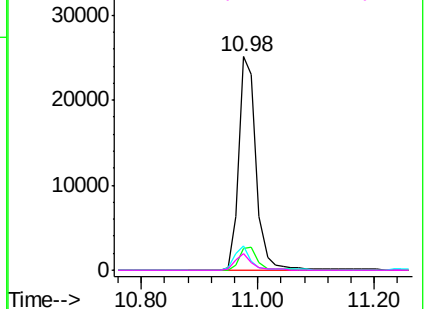
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092157.D
Acq: 3 Aug 2016 22:37

Instrument :
BNA_E
ClientSampleId :
GW-36-6.5-15.0

Tgt Ion:136 Resp: 52168
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 11.4 2.7 4.1#
68 7.9 2.2 3.4#

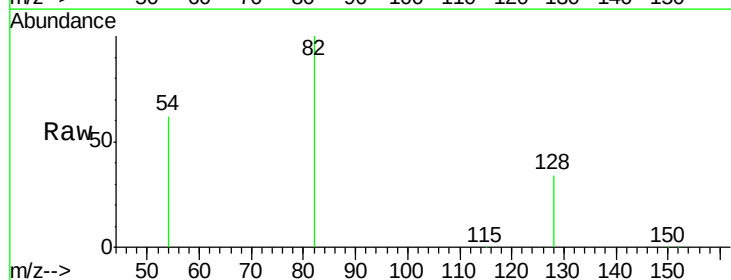


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

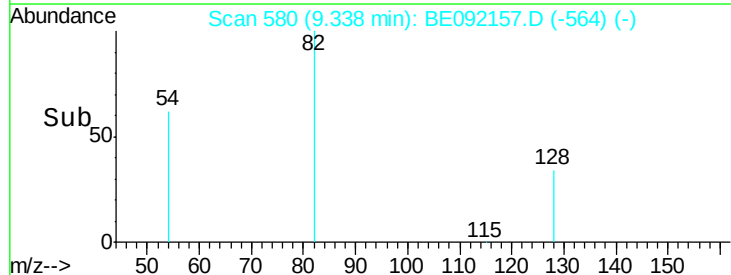
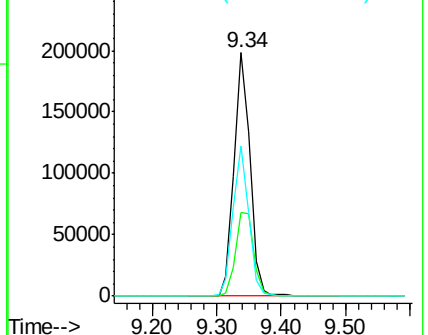


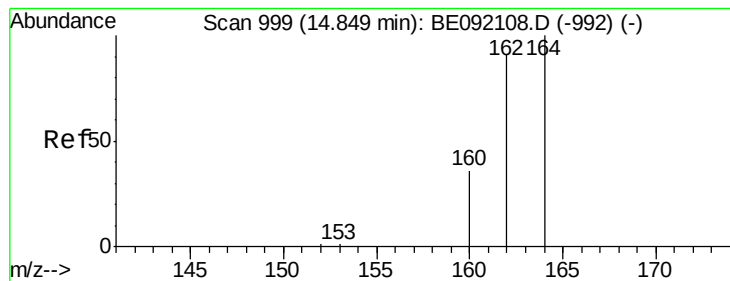
#7
Nitrobenzene-d5
Concen: 81.88 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092157.D
Acq: 3 Aug 2016 22:37

Tgt Ion: 82 Resp: 337039
Ion Ratio Lower Upper
82 100
128 34.5 33.0 49.4
54 61.7 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: BE092157.D

Acq: 3 Aug 2016 22:37

Instrument :

BNA_E

ClientSampleId :

GW-36-6.5-15.0

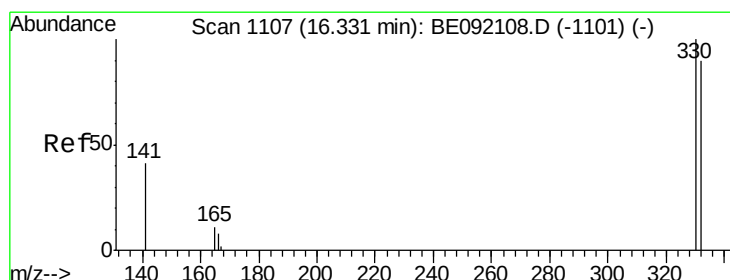
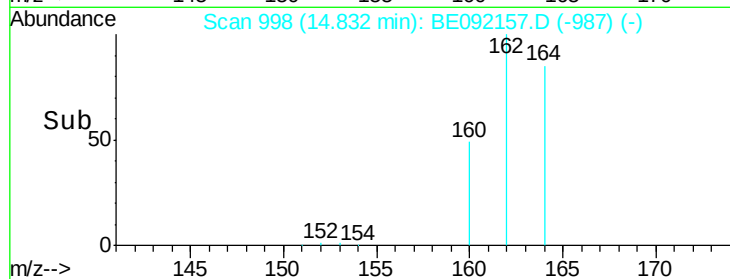
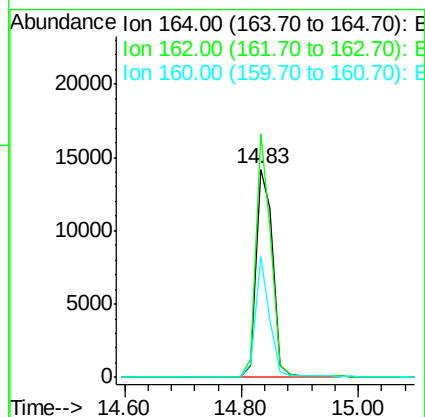
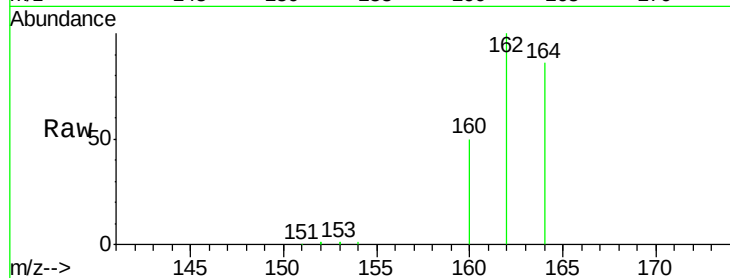
Tgt Ion:164 Resp: 28182

Ion Ratio Lower Upper

164 100

162 116.9 69.5 104.3#

160 58.0 27.6 41.4#



#11

2,4,6-Tribromophenol

Concen: 153.96 ng

RT: 16.33 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

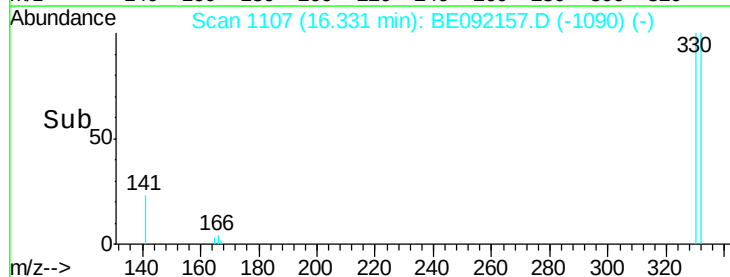
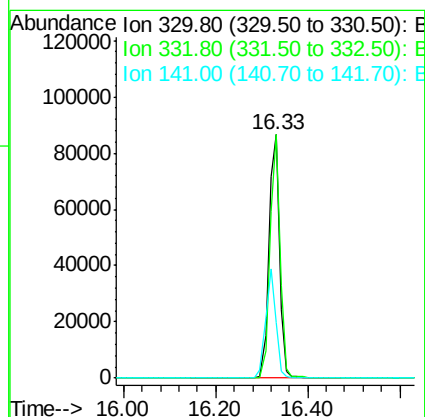
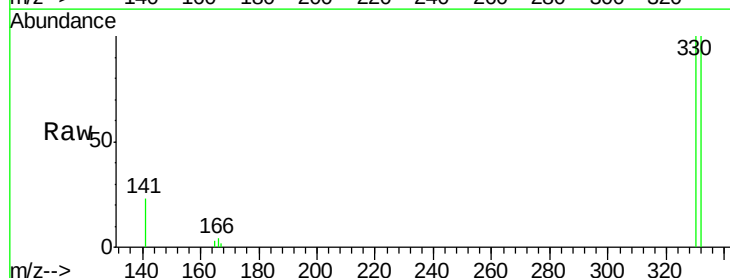
Tgt Ion:330 Resp: 140892

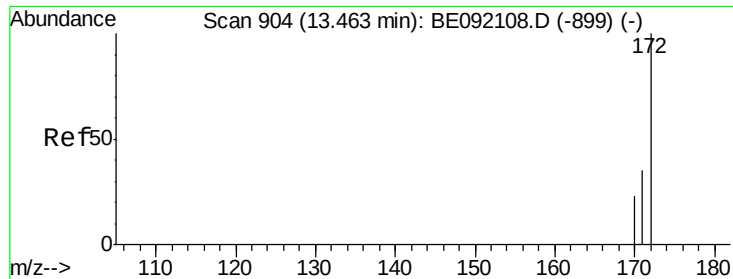
Ion Ratio Lower Upper

330 100

332 95.8 74.2 111.4

141 42.6 139.8 209.8#

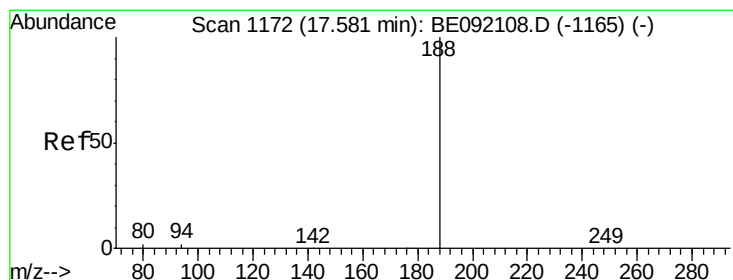
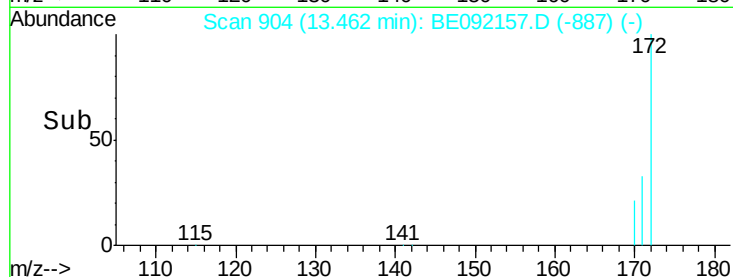
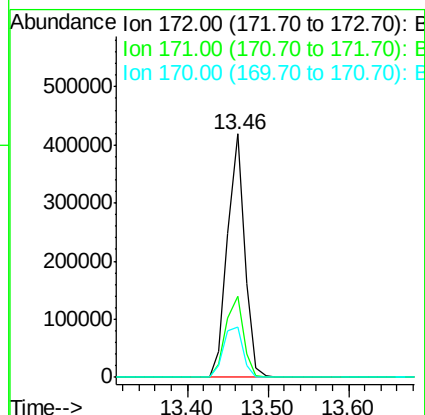
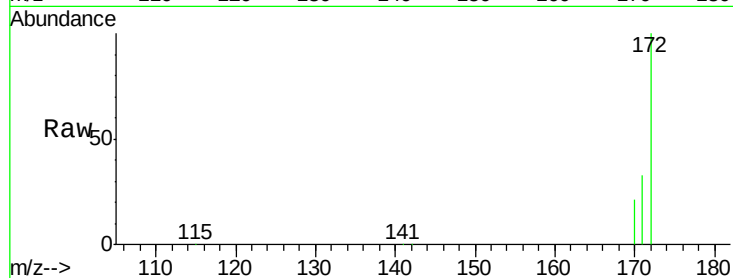




#12
2-Fluorobiphenyl
Concen: 69.65 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092157.D
Acq: 3 Aug 2016 22:37

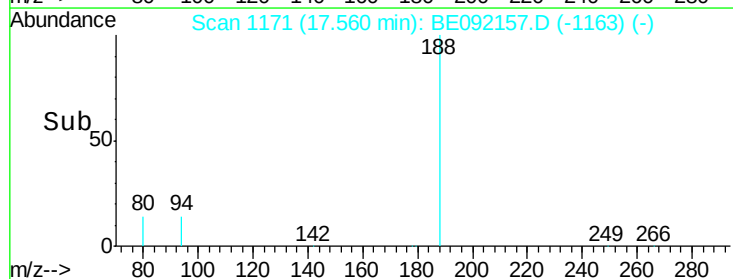
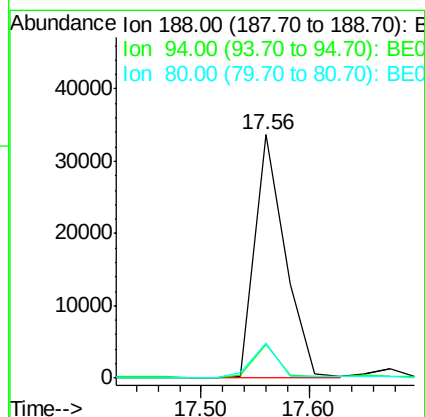
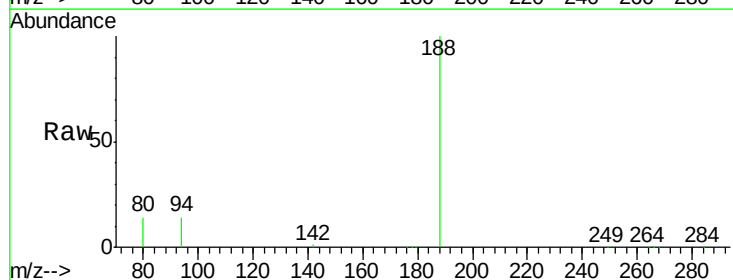
Instrument :
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GW-36-6.5-15.0

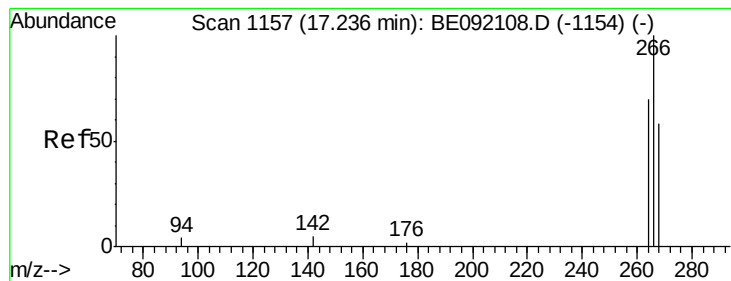
Tgt Ion:172 Resp: 622022
Ion Ratio Lower Upper
172 100
171 33.1 30.3 45.5
170 20.6 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092157.D
Acq: 3 Aug 2016 22:37

Tgt Ion:188 Resp: 65436
Ion Ratio Lower Upper
188 100
94 14.0 3.9 5.9#
80 14.2 3.4 5.0#





#18

Pentachlorophenol

Concen: 0.22 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

Instrument :

BNA_E

ClientSampleId :

GW-36-6.5-15.0

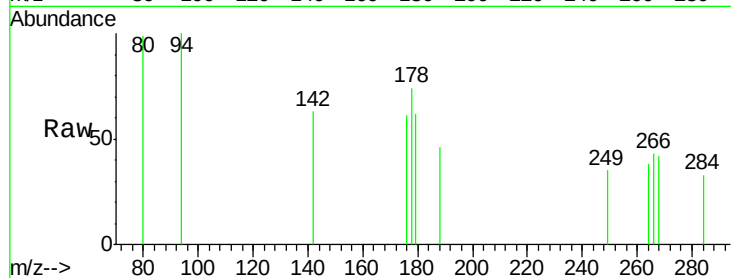
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

268 96.7 62.7 94.1#

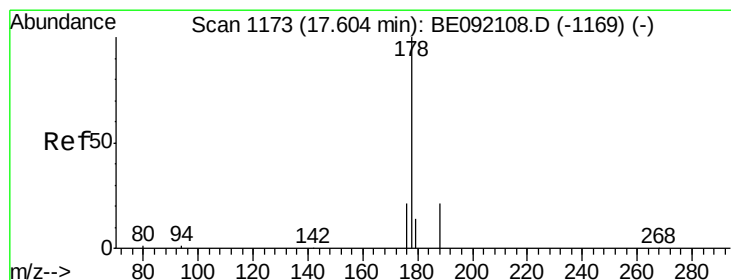
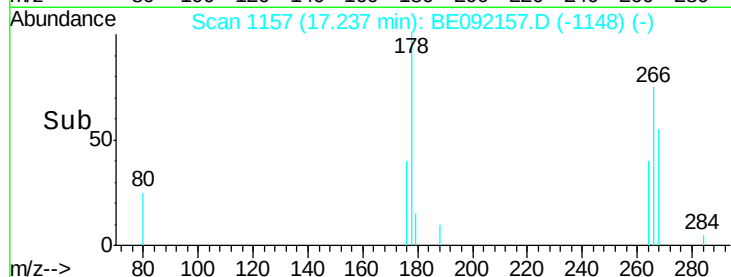
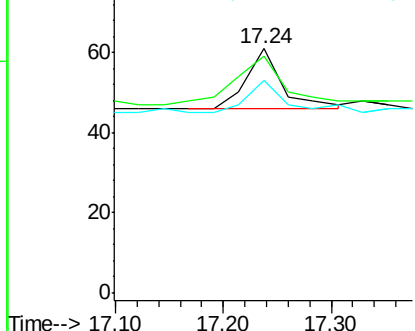
264 86.9 63.5 95.3



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#19

Phenanthrene

Concen: Below Cal

RT: 17.61 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

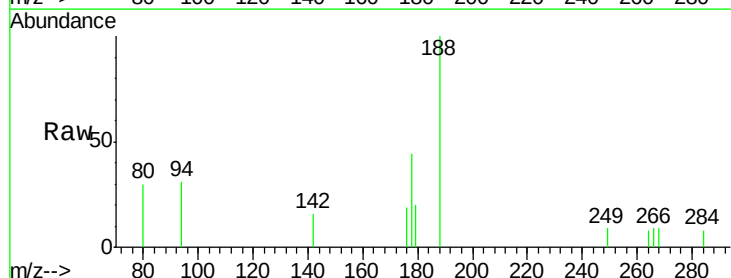
Tgt Ion:178 Resp: 307

Ion Ratio Lower Upper

178 100

176 16.6 15.4 23.0

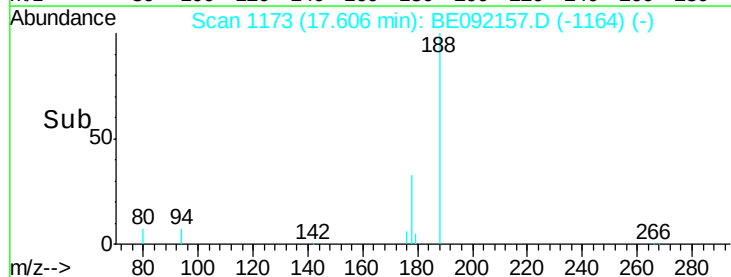
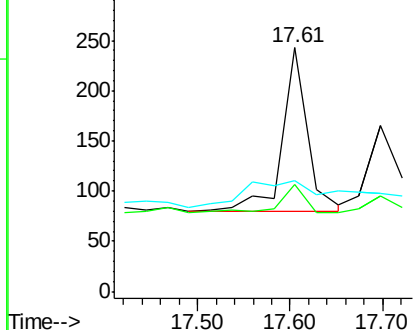
179 63.5 12.7 19.1#

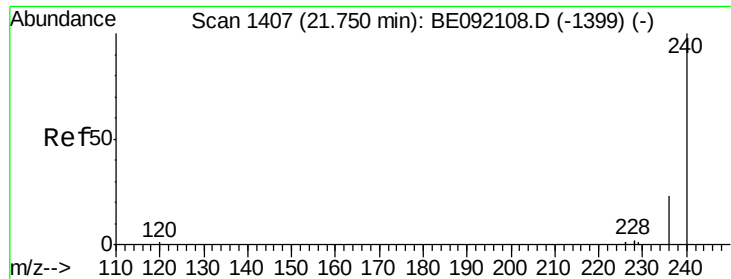


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

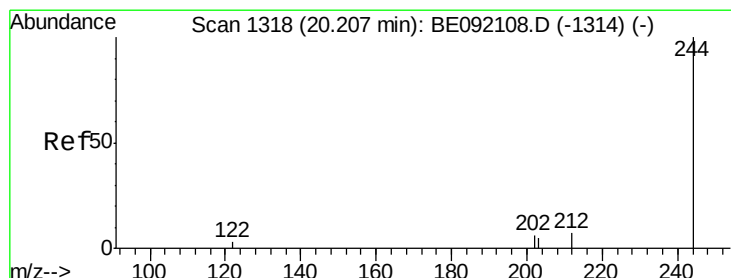
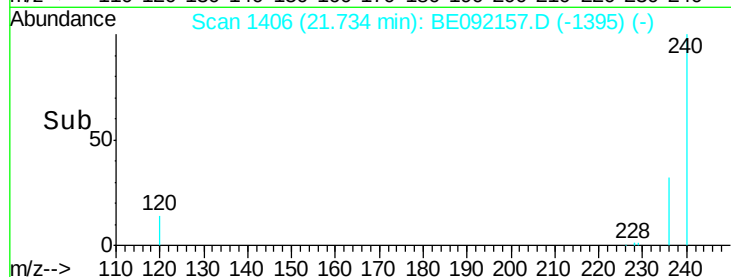
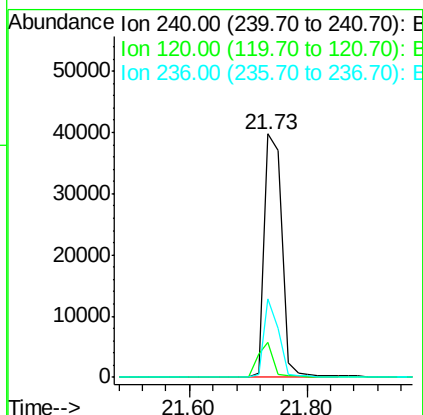
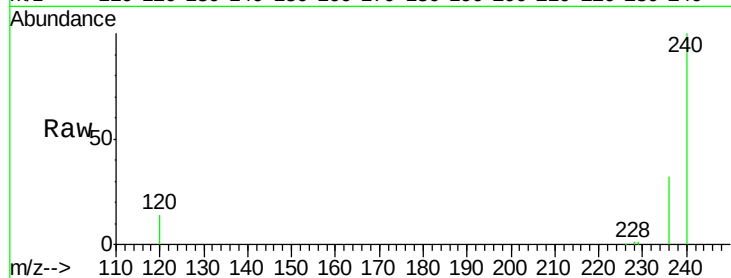




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BE092157.D
Acq: 3 Aug 2016 22:37

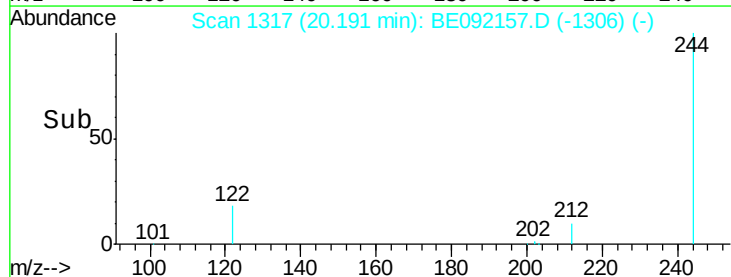
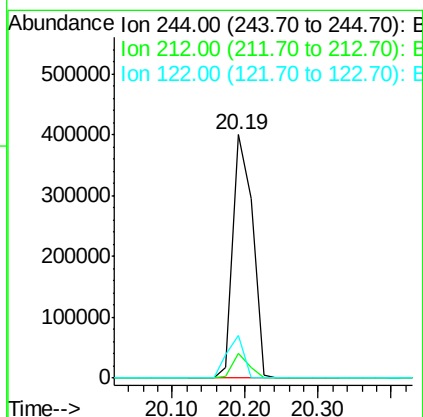
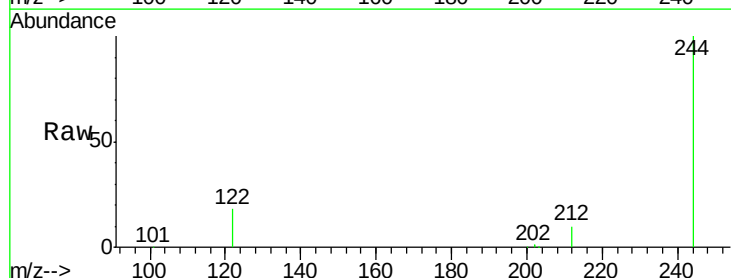
Instrument :
BNA_E
ClientSampleId :
GW-36-6.5-15.0

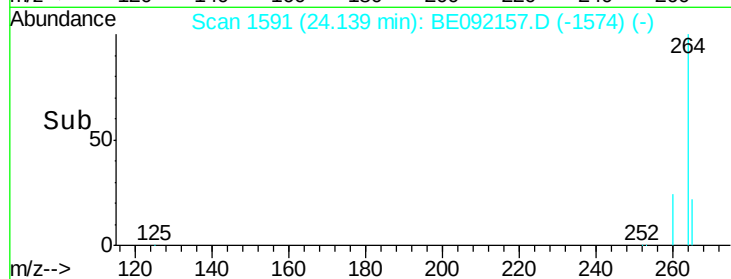
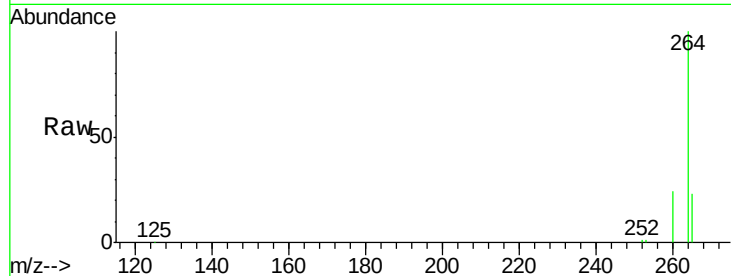
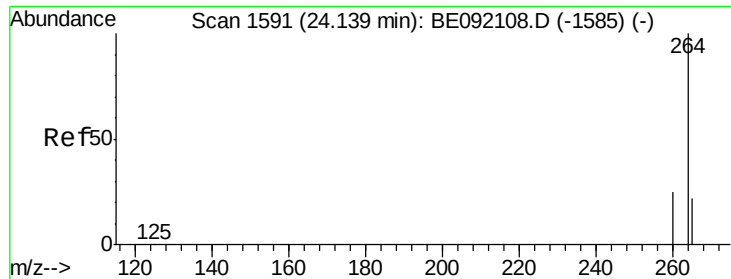
Tgt Ion:240 Resp: 82452
Ion Ratio Lower Upper
240 100
120 14.2 0.6 1.0#
236 32.0 18.2 27.4#



#24
Terphenyl-d14
Concen: 62.32 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092157.D
Acq: 3 Aug 2016 22:37

Tgt Ion:244 Resp: 737990
Ion Ratio Lower Upper
244 100
212 10.1 9.1 13.7
122 17.6 11.0 16.4#





#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092157.D

Acq: 3 Aug 2016 22:37

Instrument :

BNA_E

ClientSampleId :

GW-36-6.5-15.0

Tgt Ion: 264 Resp: 82223

Ion Ratio Lower Upper

264 100

260 24.2 20.8 31.2

265 22.7 16.6 25.0

