

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092170.D
 Acq On : 4 Aug 2016 6:49
 Operator : UM/SJ
 Sample : H4221-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-44-8.6-15.0

Quant Time: Aug 04 07:22:39 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

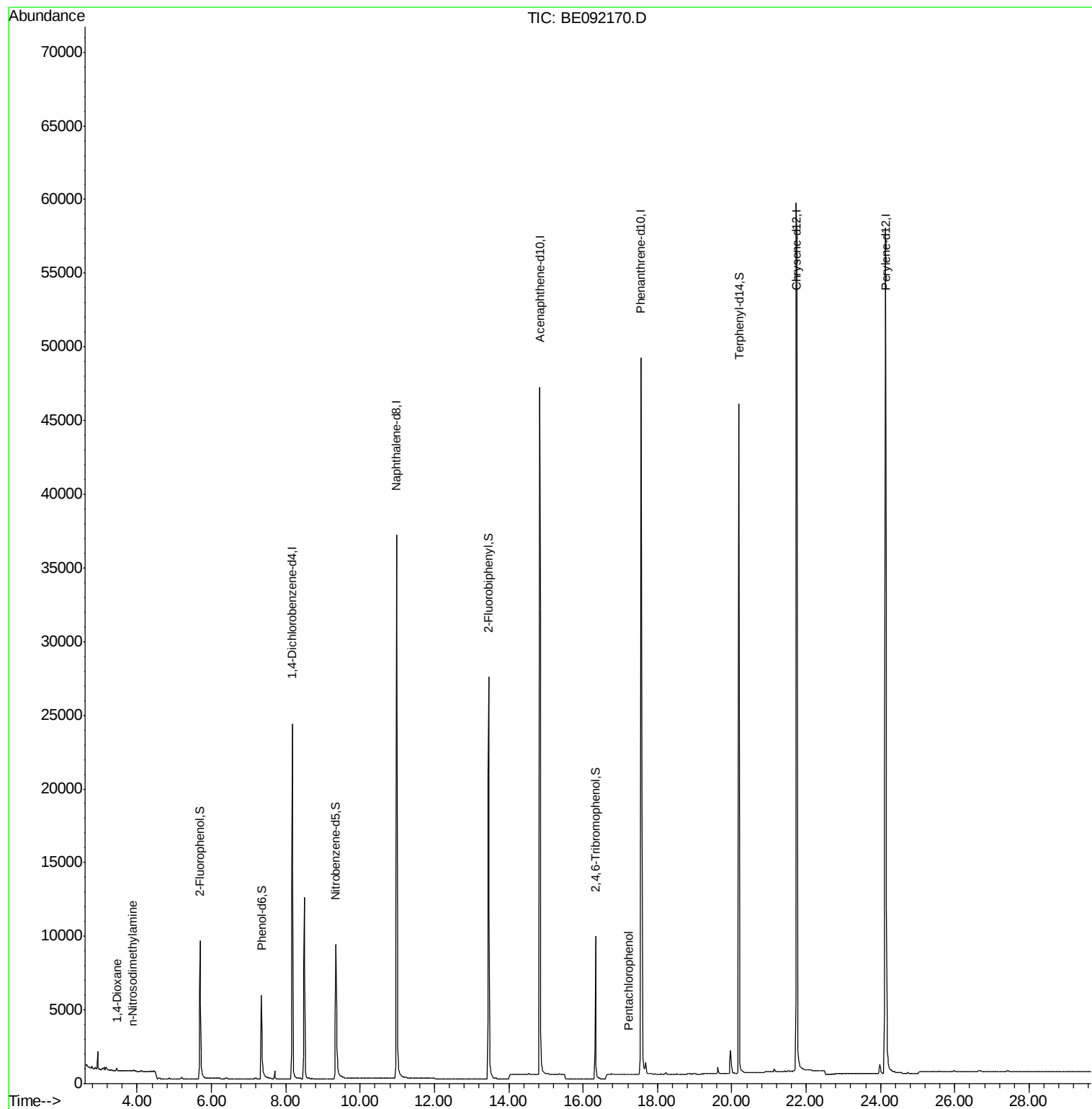
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12561	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	59564	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	34334	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	77449	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	91839	5.00	ng	0.00
28) Perylene-d12	24.14	264	86903	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	8615	2.67	ng	0.00
5) Phenol-d6	7.35	99	8277	1.93	ng	0.00
7) Nitrobenzene-d5	9.34	82	11627	2.47	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	7045	6.32	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	30503	2.80	ng	0.00
24) Terphenyl-d14	20.19	244	52751	4.00	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	149	0.09	ng	# 89
3) n-Nitrosodimethylamine	3.87	42	21	0.10	ng	# 14
8) Naphthalene	11.03	128	110	Below Cal		# 1
18) Pentachlorophenol	17.24	266	3	0.20	ng	# 76
19) Phenanthrene	17.61	178	366	Below Cal		# 70
30) Benzo(k)fluoranthene	23.46	252	42	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: BE092170.D

Acq: 4 Aug 2016 6:49

Instrument :

BNA_E

ClientSampleId :

GW-44-8.6-15.0

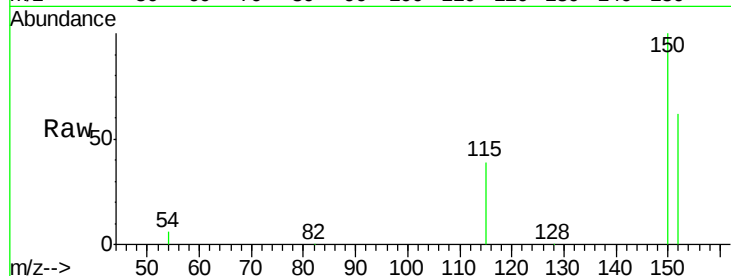
Tgt Ion:152 Resp: 12561

Ion Ratio Lower Upper

152 100

150 160.2 106.0 159.0#

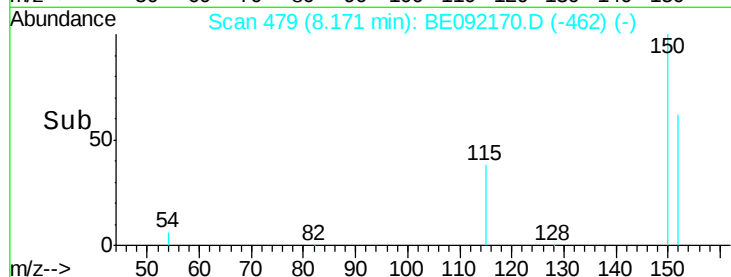
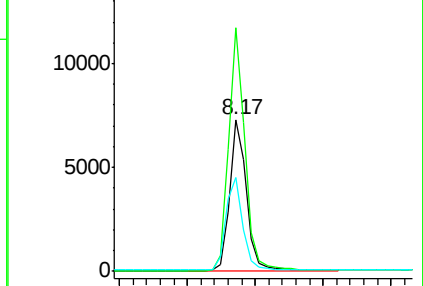
115 62.0 36.9 55.3#



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: 0.09 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

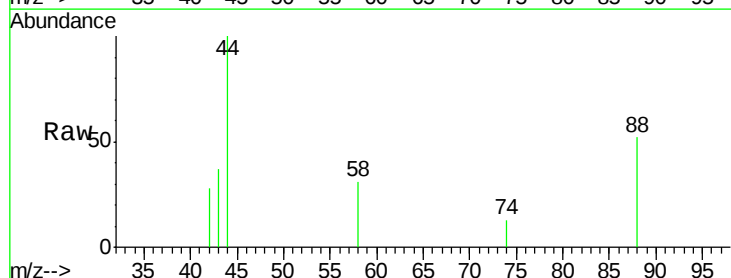
Tgt Ion: 88 Resp: 149

Ion Ratio Lower Upper

88 100

58 79.9 62.1 93.1

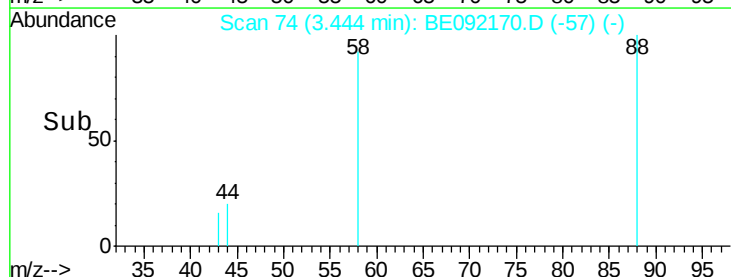
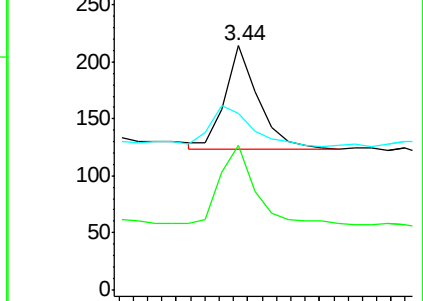
43 50.3 27.2 40.8#

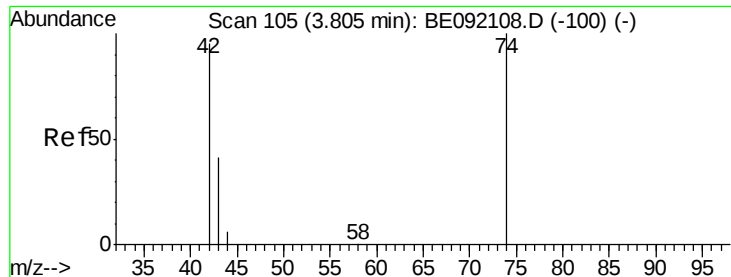


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.87 min Scan# 111

Delta R.T. 0.07 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

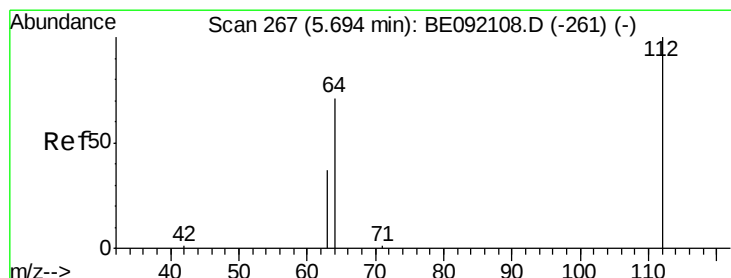
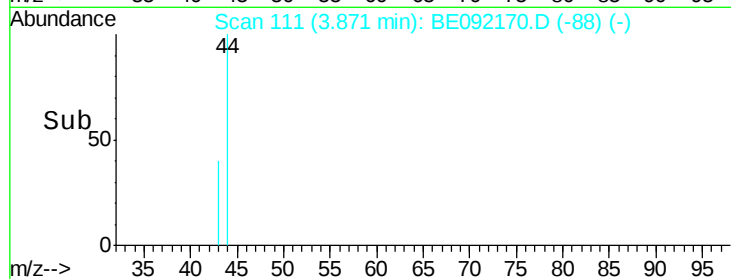
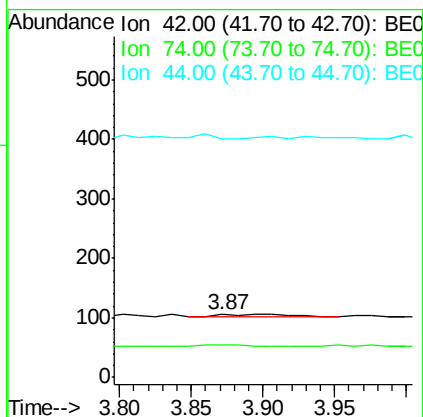
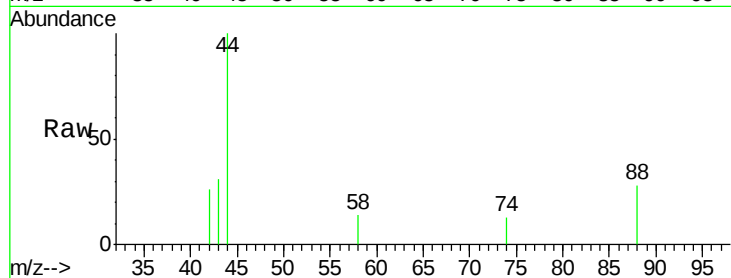
Instrument :

BNA_E

ClientSampleId :

GW-44-8.6-15.0

Tgt Ion:	42	Resp:	21
Ion	Ratio	Lower	Upper
42	100		
74	9.5	82.8	124.2#
44	0.0	9.0	13.4#



#4

2-Fluorophenol

Concen: 2.67 ng

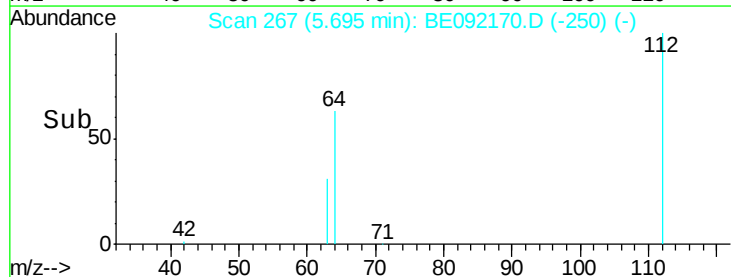
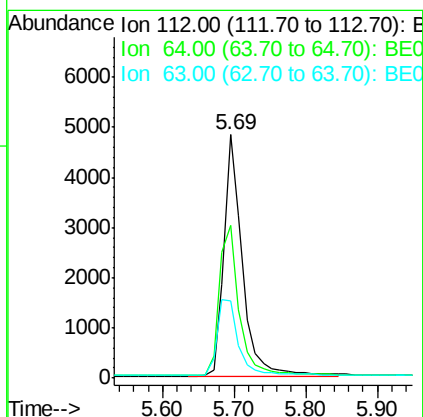
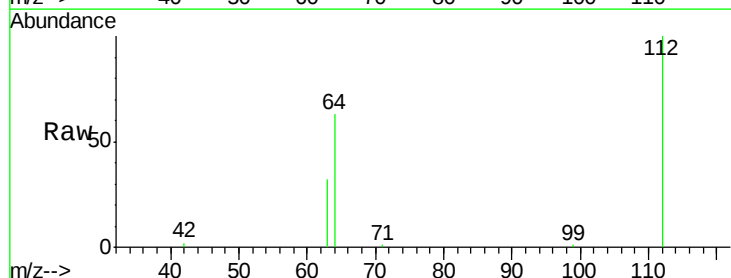
RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

Tgt Ion:	112	Resp:	8615
Ion	Ratio	Lower	Upper
112	100		
64	67.4	55.9	83.9
63	36.2	31.1	46.7





#5

Phenol-d6

Concen: 1.93 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

Instrument :

BNA_E

ClientSampleId :

GW-44-8.6-15.0

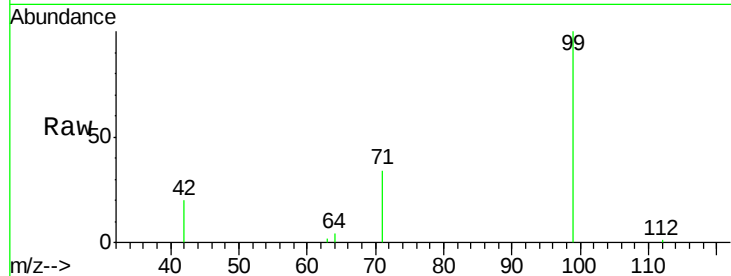
Tgt Ion: 99 Resp: 8277

Ion Ratio Lower Upper

99 100

42 24.6 22.4 33.6

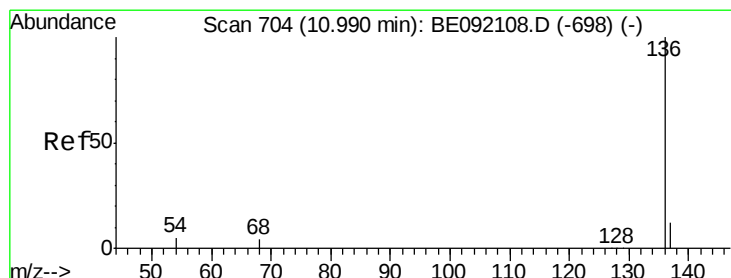
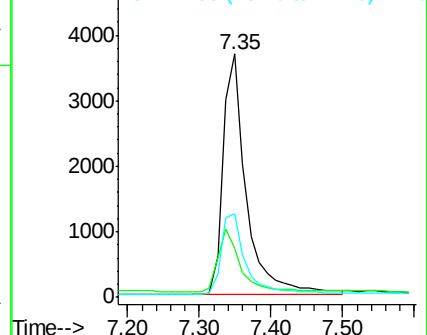
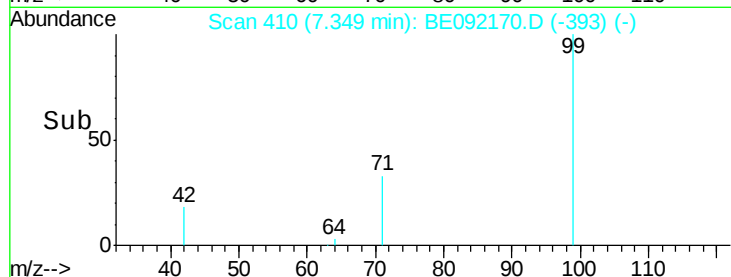
71 35.4 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE092170.D (-393) (-)

Ion 42.00 (41.70 to 42.70): BE092170.D (-393) (-)

Ion 71.00 (70.70 to 71.70): BE092170.D (-393) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

Tgt Ion: 136 Resp: 59564

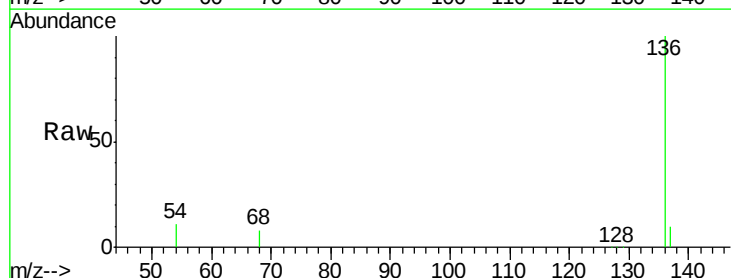
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 11.1 2.7 4.1#

68 7.6 2.2 3.4#

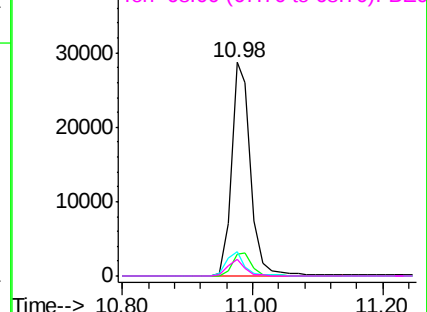
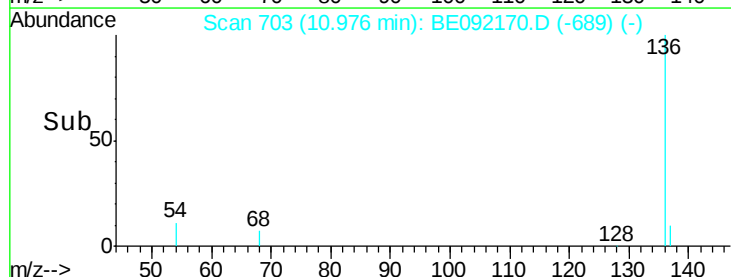


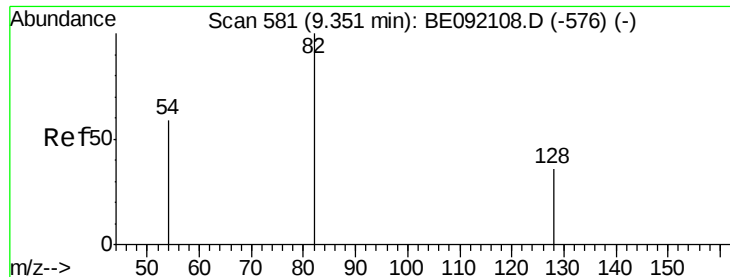
Abundance Ion 136.00 (135.70 to 136.70): BE092170.D (-689) (-)

Ion 137.00 (136.70 to 137.70): BE092170.D (-689) (-)

Ion 54.00 (53.70 to 54.70): BE092170.D (-689) (-)

Ion 68.00 (67.70 to 68.70): BE092170.D (-689) (-)





#7

Nitrobenzene-d5

Concen: 2.47 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

Instrument :

BNA_E

ClientSampleId :

GW-44-8.6-15.0

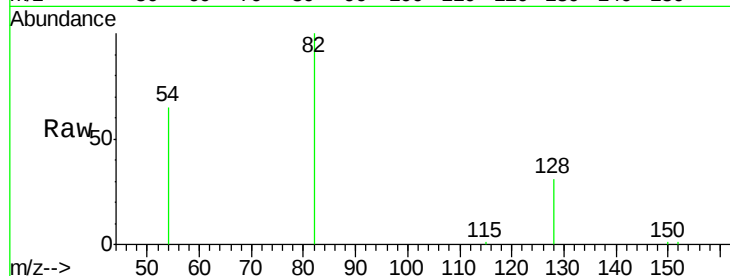
Tgt Ion: 82 Resp: 11627

Ion Ratio Lower Upper

82 100

128 31.3 33.0 49.4#

54 64.7 42.6 63.8#

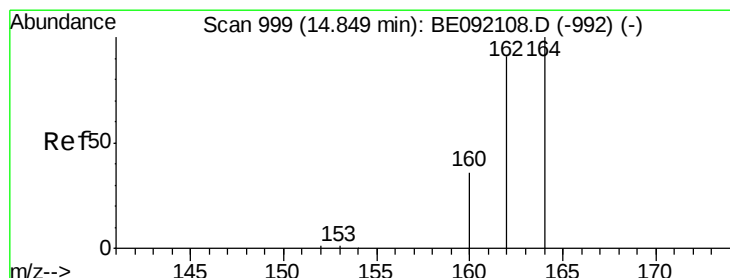
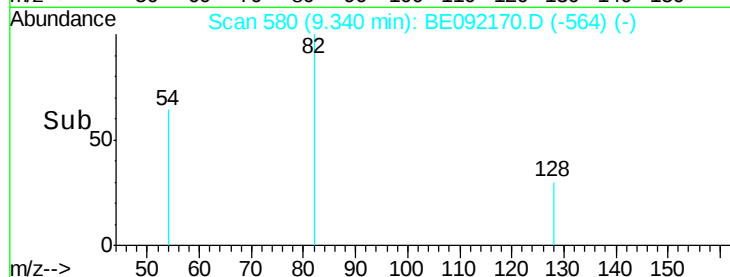


Abundance Ion 82.00 (81.70 to 82.70): BE092108.D (-576) (-)

Ion 128.00 (127.70 to 128.70): BE092108.D (-576) (-)

Ion 54.00 (53.70 to 54.70): BE092108.D (-576) (-)

Time-->



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

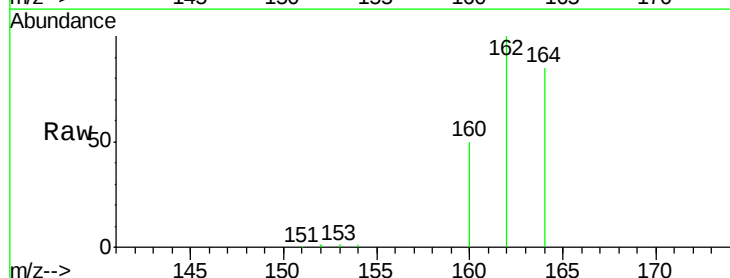
Tgt Ion: 164 Resp: 34334

Ion Ratio Lower Upper

164 100

162 118.0 69.5 104.3#

160 59.1 27.6 41.4#

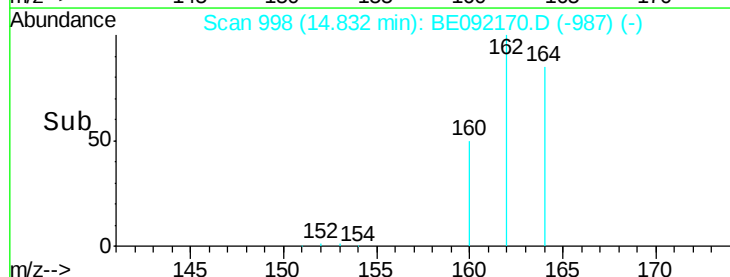


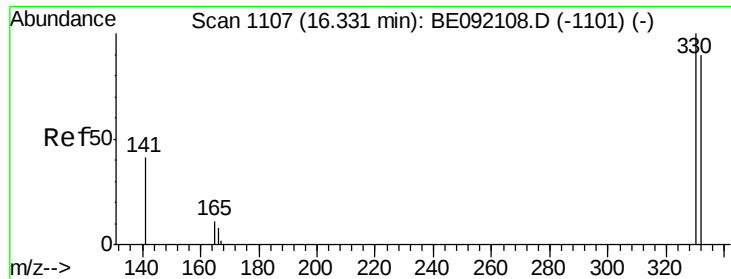
Abundance Ion 164.00 (163.70 to 164.70): BE092108.D (-992) (-)

Ion 162.00 (161.70 to 162.70): BE092108.D (-992) (-)

Ion 160.00 (159.70 to 160.70): BE092108.D (-992) (-)

Time-->

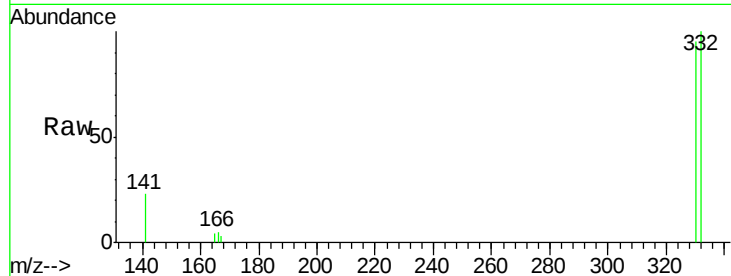




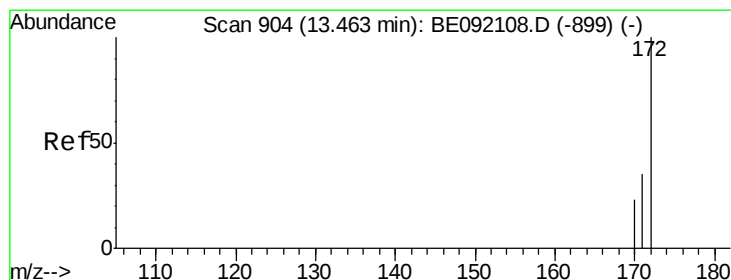
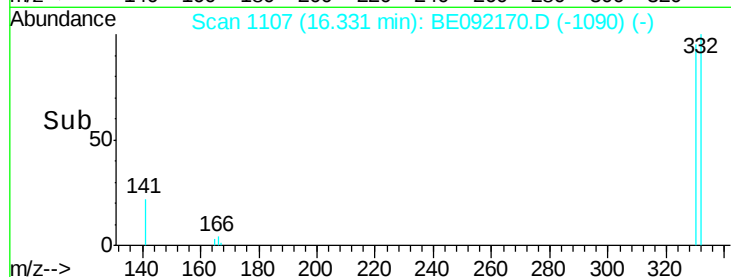
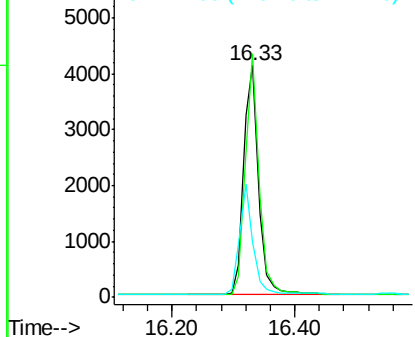
#11
 2,4,6-Tribromophenol
 Concen: 6.32 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092170.D
 Acq: 4 Aug 2016 6:49

Instrument :
 BNA_E
 ClientSampleId :
 GW-44-8.6-15.0

Tgt Ion: 330 Resp: 7045
 Ion Ratio Lower Upper
 330 100
 332 97.2 74.2 111.4
 141 43.3 139.8 209.8#

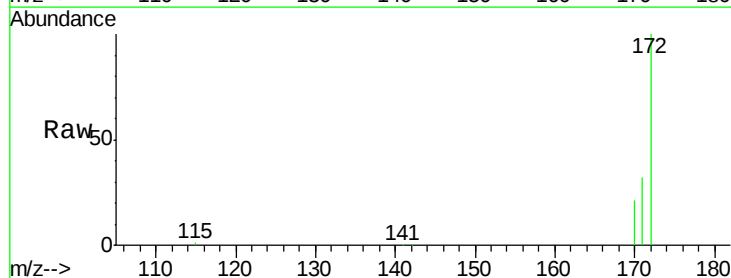


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

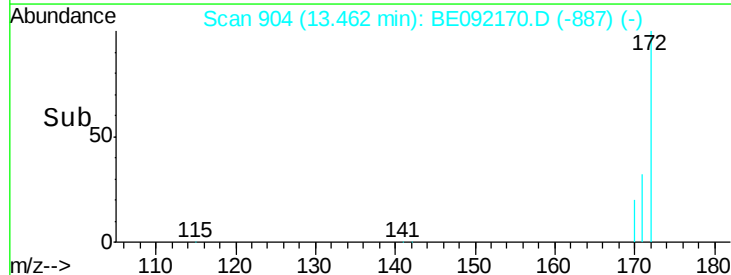
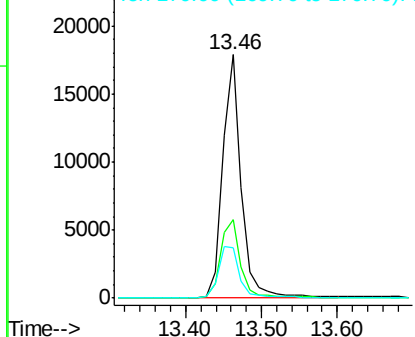


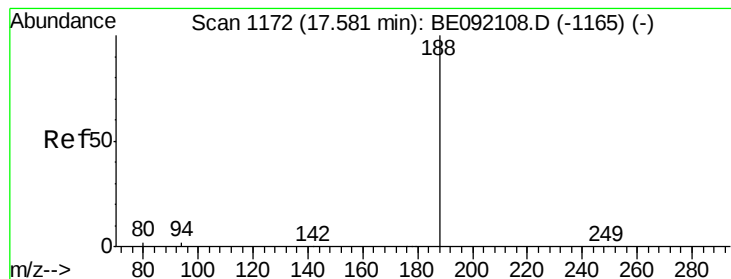
#12
 2-Fluorobiphenyl
 Concen: 2.80 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092170.D
 Acq: 4 Aug 2016 6:49

Tgt Ion: 172 Resp: 30503
 Ion Ratio Lower Upper
 172 100
 171 32.4 30.3 45.5
 170 20.6 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: BE092170.D

Acq: 4 Aug 2016 6:49

Instrument :

BNA_E

ClientSampleId :

GW-44-8.6-15.0

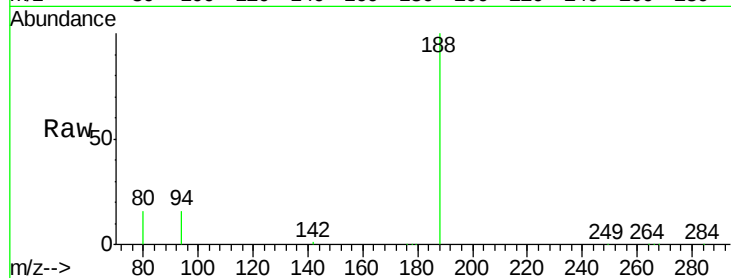
Tgt Ion:188 Resp: 77449

Ion Ratio Lower Upper

188 100

94 15.5 3.9 5.9#

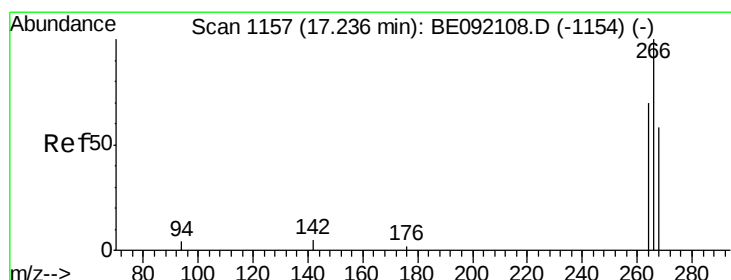
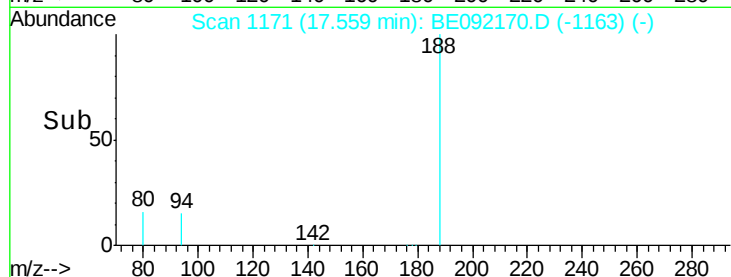
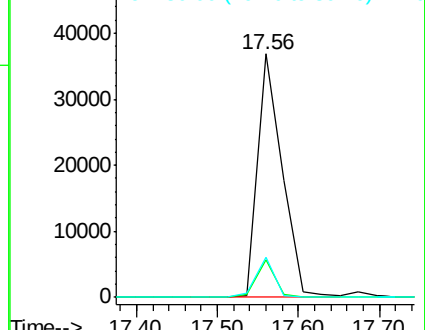
80 16.3 3.4 5.0#



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



#18

Pentachlorophenol

Concen: 0.20 ng

RT: 17.24 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

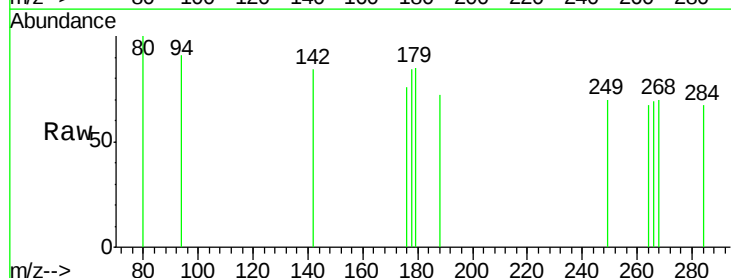
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

268 102.2 62.7 94.1#

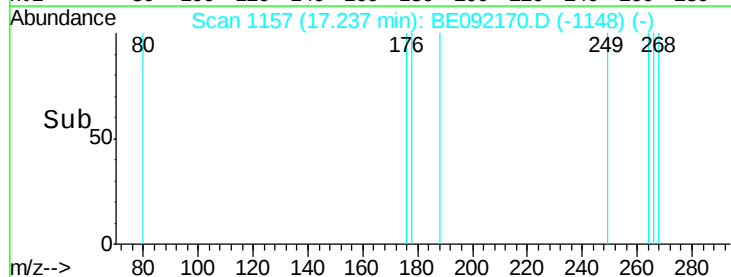
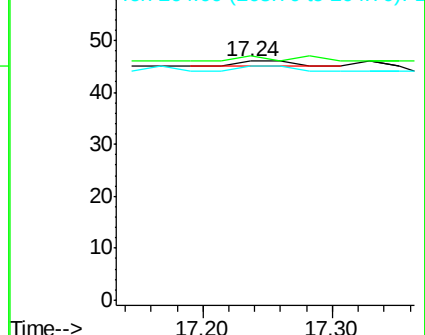
264 97.8 63.5 95.3#

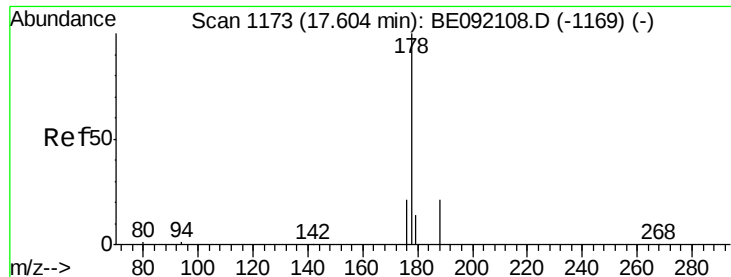


Abundance Ion 265.70 (265.40 to 266.40): E

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: BE092170.D

Acq: 4 Aug 2016 6:49

Instrument :

BNA_E

ClientSampleId :

GW-44-8.6-15.0

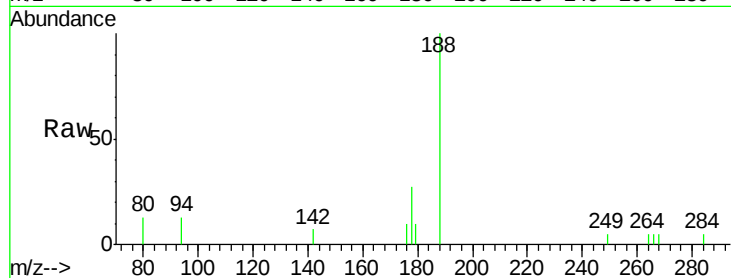
Tgt Ion:178 Resp: 366

Ion Ratio Lower Upper

178 100

176 16.7 15.4 23.0

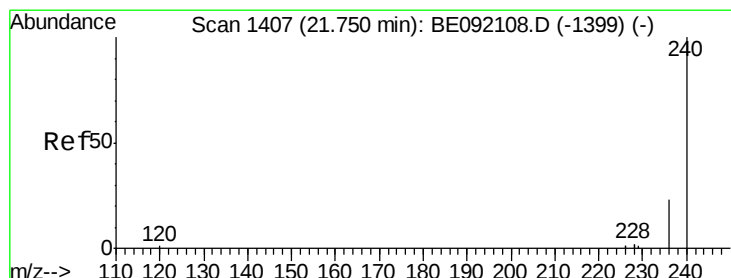
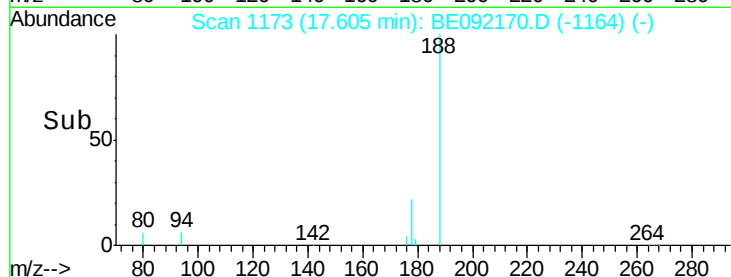
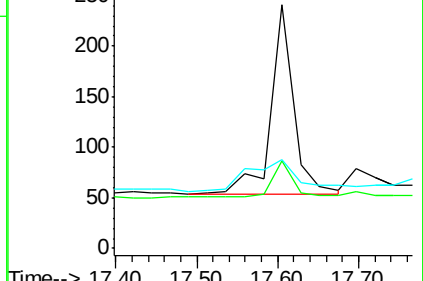
179 41.3 12.7 19.1#



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: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092170.D

Acq: 4 Aug 2016 6:49

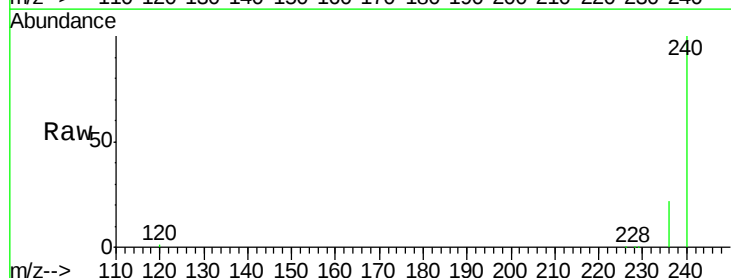
Tgt Ion:240 Resp: 91839

Ion Ratio Lower Upper

240 100

120 1.3 0.6 1.0#

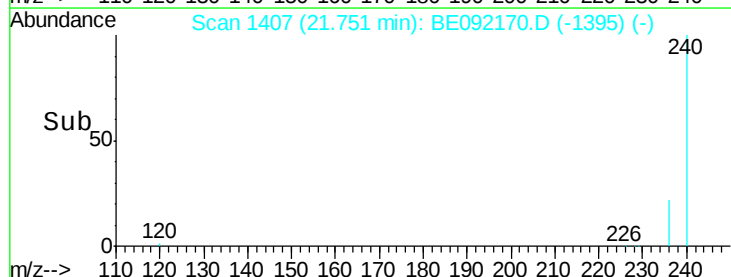
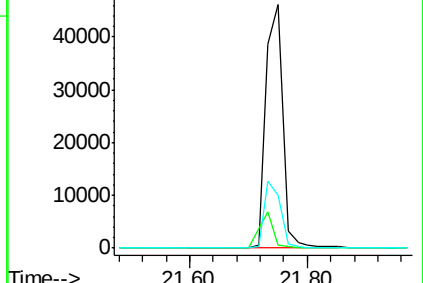
236 21.9 18.2 27.4

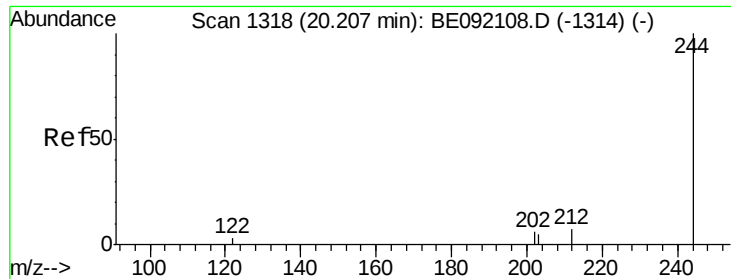


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

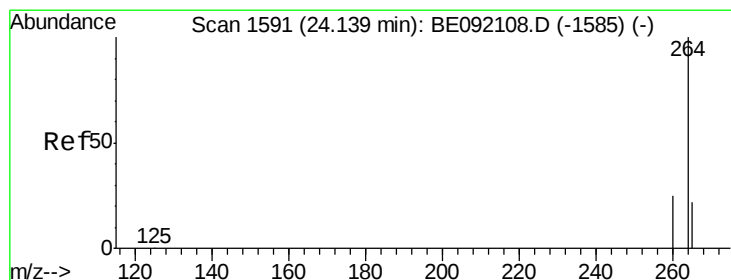
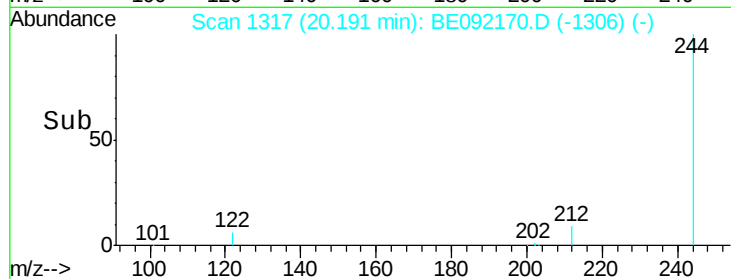
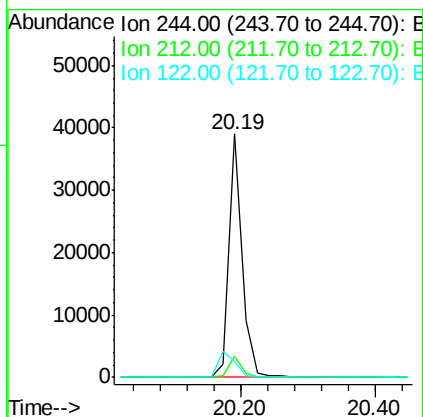
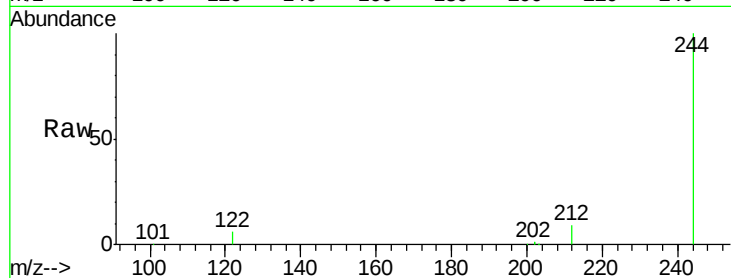




#24
 Terphenyl-d14
 Concen: 4.00 ng
 RT: 20.19 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BE092170.D
 Acq: 4 Aug 2016 6:49

Instrument :
 BNA_E
 ClientSampleId :
 GW-44-8.6-15.0

Tgt Ion: 244 Resp: 52751
 Ion Ratio Lower Upper
 244 100
 212 8.7 9.1 13.7#
 122 6.4 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: BE092170.D
 Acq: 4 Aug 2016 6:49

Tgt Ion: 264 Resp: 86903
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.8 31.2
 265 22.8 16.6 25.0

