

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096945.D
 Acq On : 16 Jul 2018 19:33
 Operator : SJ/JU
 Sample : J3170-14RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118RE

Quant Time: Jul 17 15:21:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

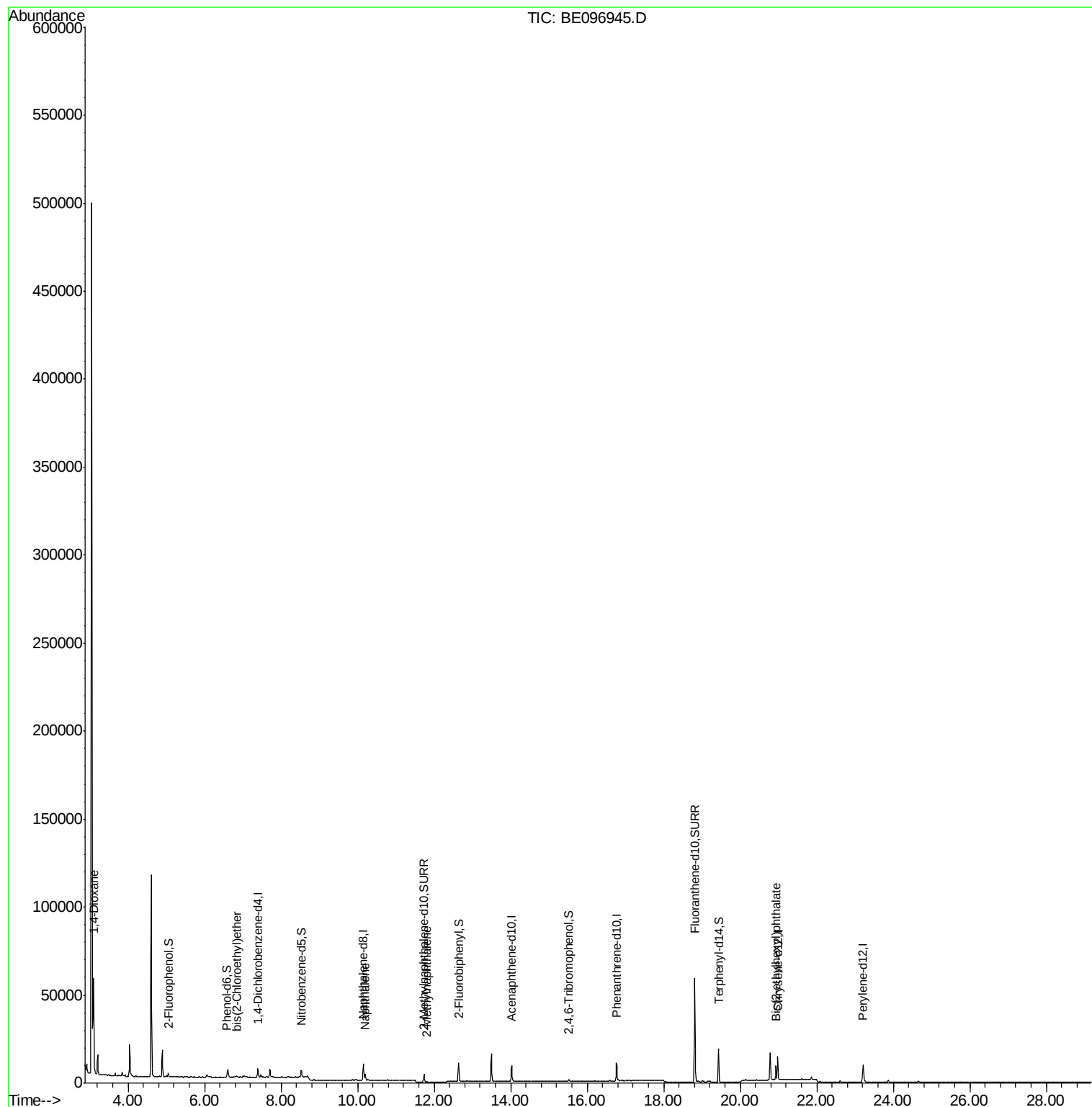
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	2036	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	9687	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	5189	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14867	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	13512	0.40	ng	0.00
34) Perylene-d12	23.21	264	13910	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	987	0.20	ng	0.00
5) Phenol-d6	6.59	99	872	0.12	ng	0.00
8) Nitrobenzene-d5	8.52	82	3462	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	6692	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	674	0.56	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	9771	0.51	ng	0.00
25) Fluoranthene-d10	18.81	212	78147	0.60	ng	0.00
29) Terphenyl-d14	19.43	244	16130	0.62	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.10	88	25589	8.780	ng	# 88
6) bis(2-Chloroethyl)ether	6.84	93	274	0.038	ng	# 91
9) Naphthalene	10.20	128	5400	0.062	ng	# 97
12) 2-Methylnaphthalene	11.81	142	439	0.030	ng	# 92
32) Bis(2-ethylhexyl)phthalate	20.93	149	8392	0.261	ng	# 99

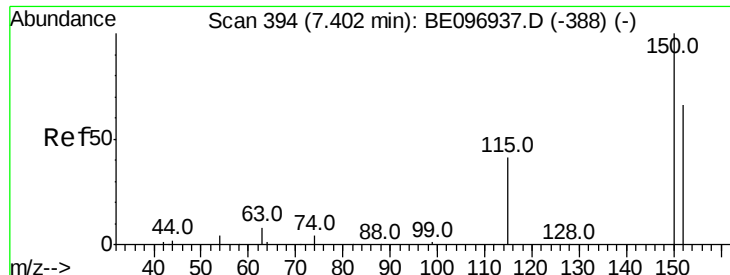
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BE096945.D
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

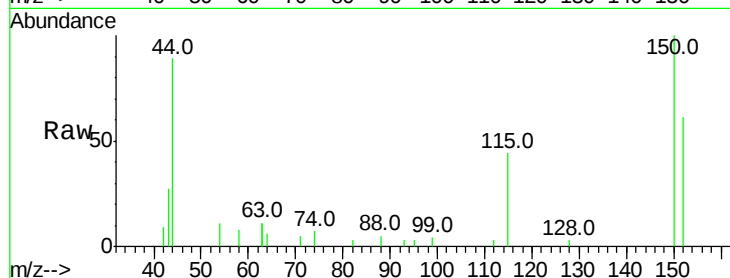
Tot Ion:152 Resp: 2036

Ion Ratio Lower Upper

152 100

150 165.2 117.2 175.8

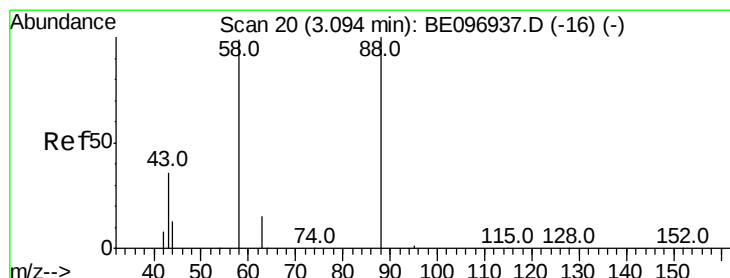
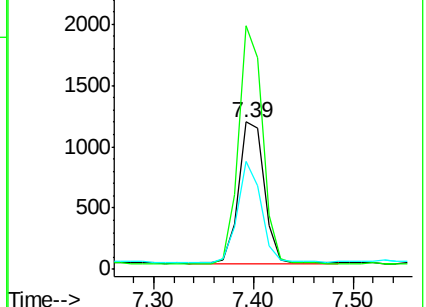
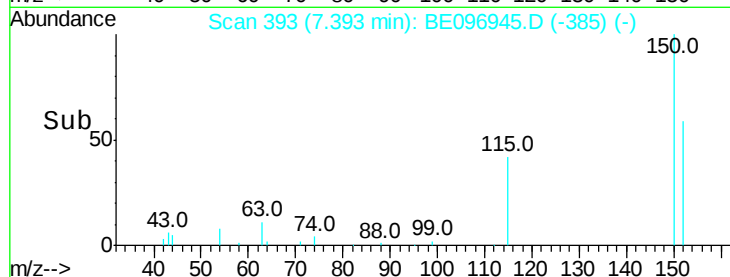
115 73.3 57.0 85.6



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: 8.780 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

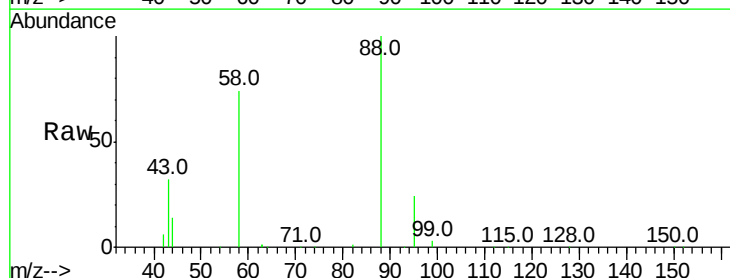
Tgt Ion: 88 Resp: 25589

Ion Ratio Lower Upper

88 100

58 81.7 63.2 94.8

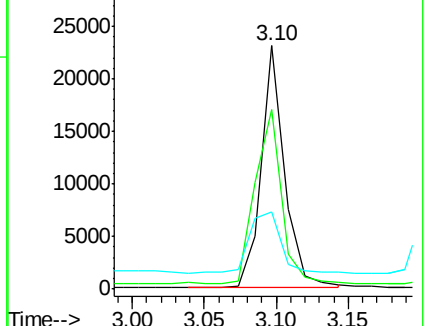
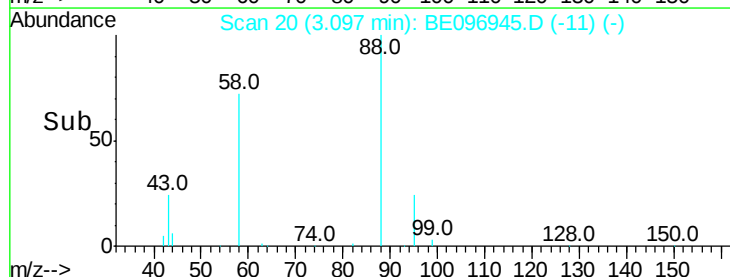
43 33.9 41.2 61.8#

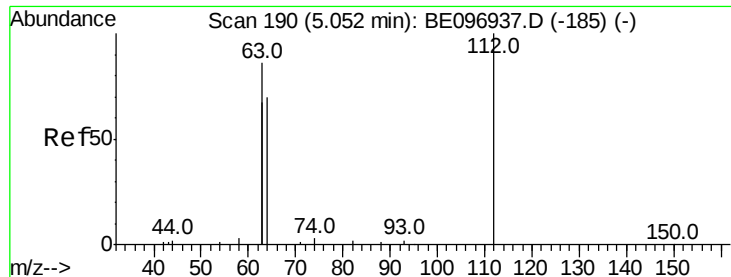


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.203 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

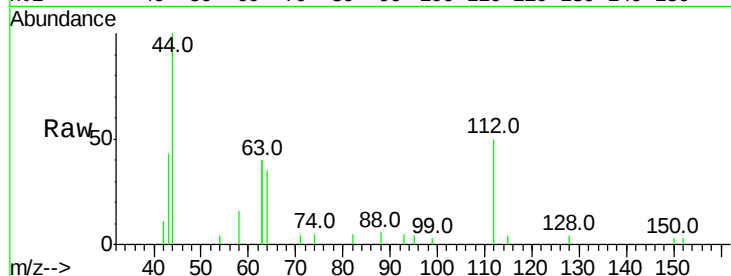
Tot Ion: 112 Resp: 987

Ion Ratio Lower Upper

112 100

64 74.7 60.1 90.1

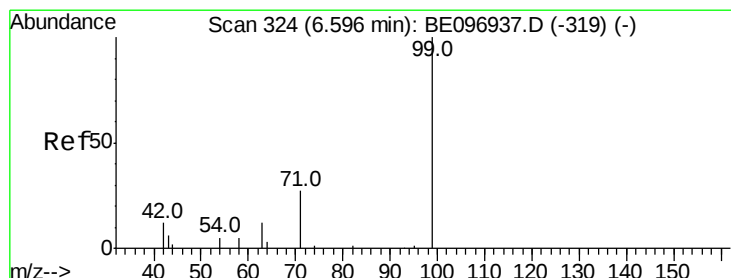
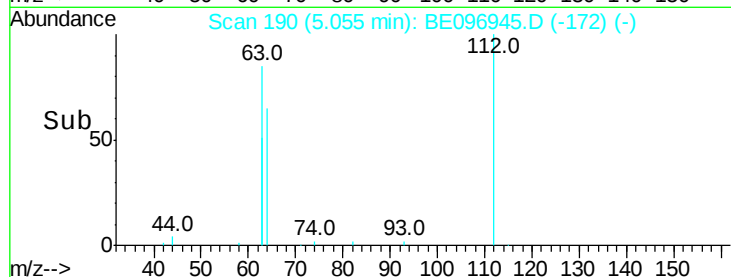
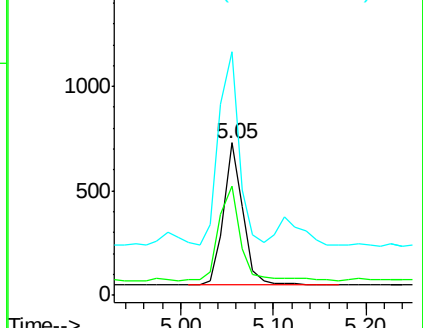
63 142.2 116.8 175.2



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: 0.117 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

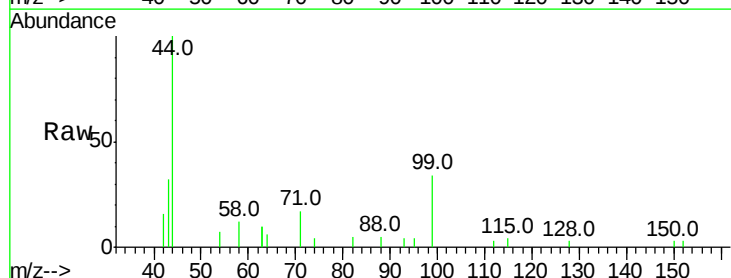
Tgt Ion: 99 Resp: 872

Ion Ratio Lower Upper

99 100

42 41.2 20.2 30.2#

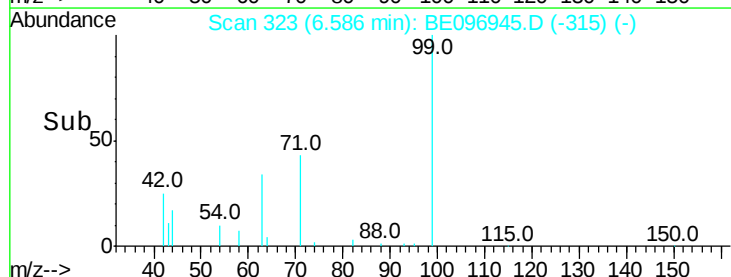
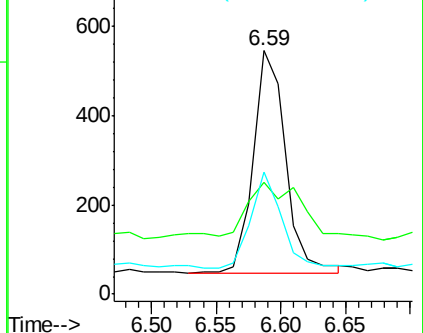
71 40.6 28.4 42.6

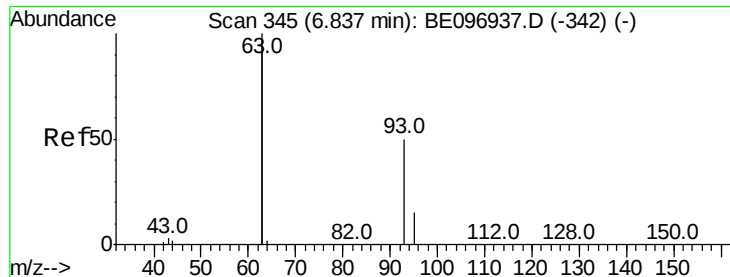


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.038 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

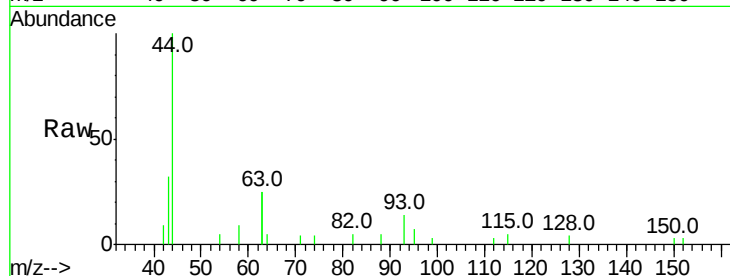
Tot Ion: 93 Resp: 274

Ion Ratio Lower Upper

93 100

63 325.9 275.3 412.9

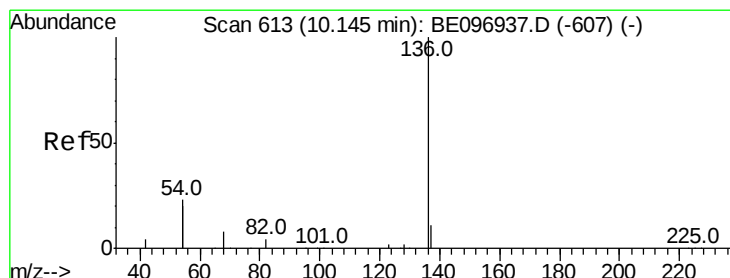
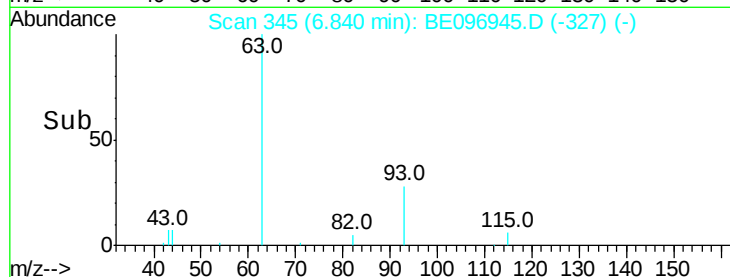
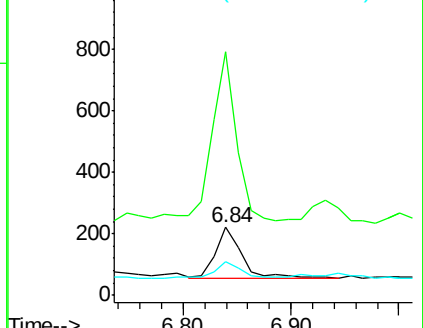
95 36.5 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Tgt Ion:136 Resp: 9687

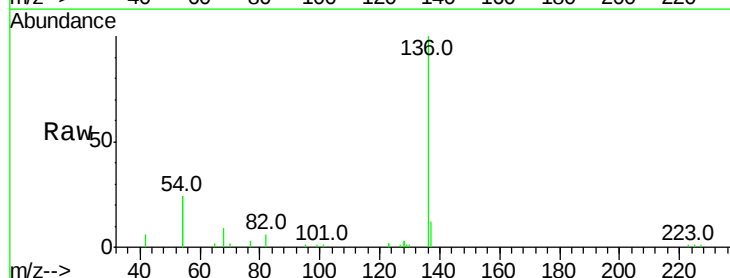
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 47.9 29.1 43.7#

68 9.3 6.2 9.2#

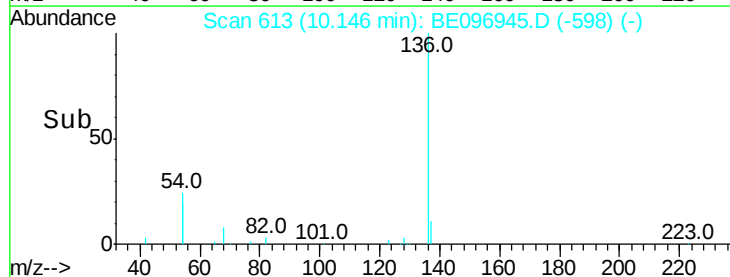
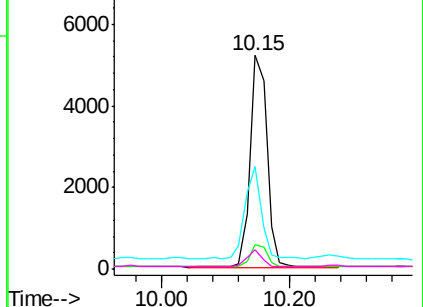


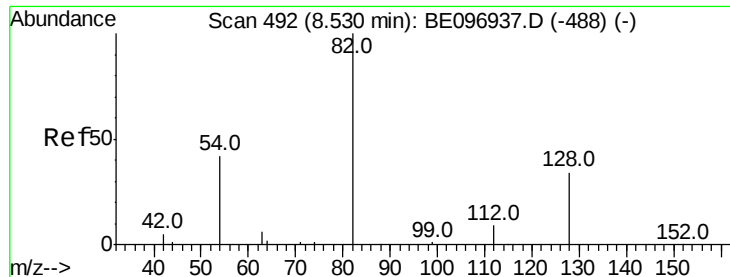
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.490 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

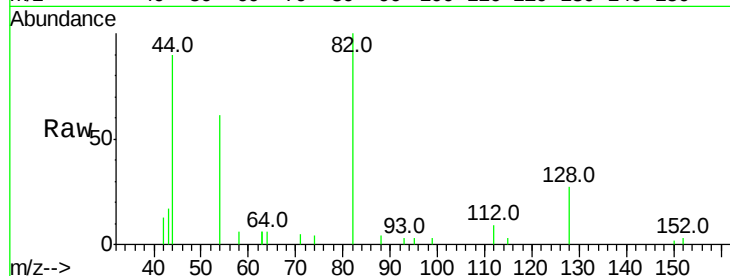
Tot Ion: 82 Resp: 3462

Ion Ratio Lower Upper

82 100

128 26.5 24.0 36.0

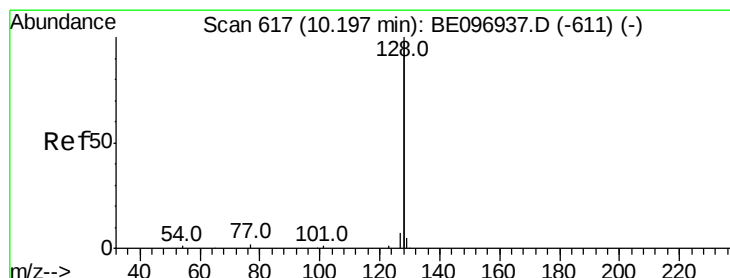
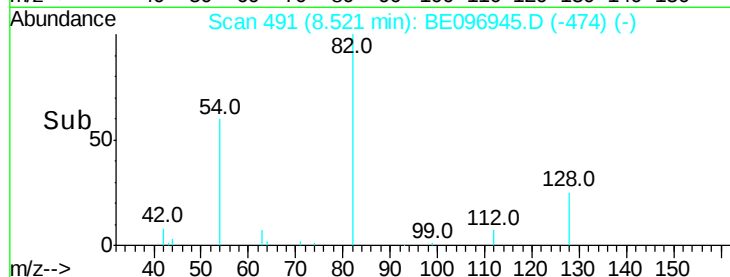
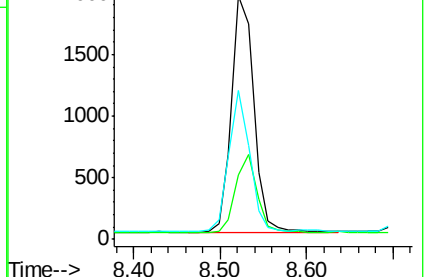
54 61.2 40.0 60.0#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.062 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

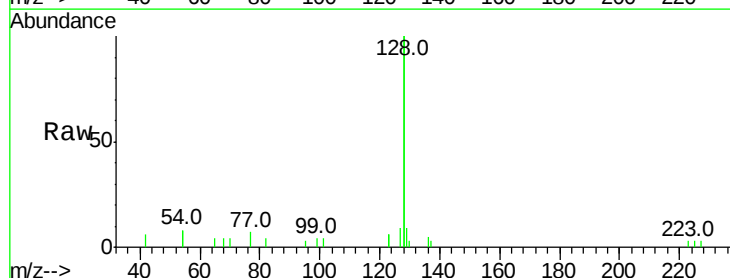
Tgt Ion:128 Resp: 5400

Ion Ratio Lower Upper

128 100

129 4.3 2.6 3.8#

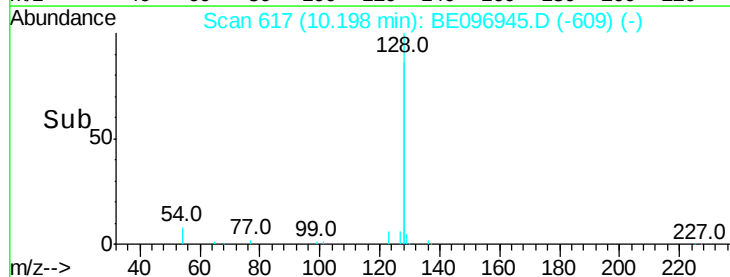
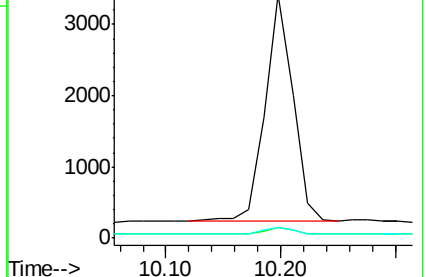
127 4.5 2.8 4.2#

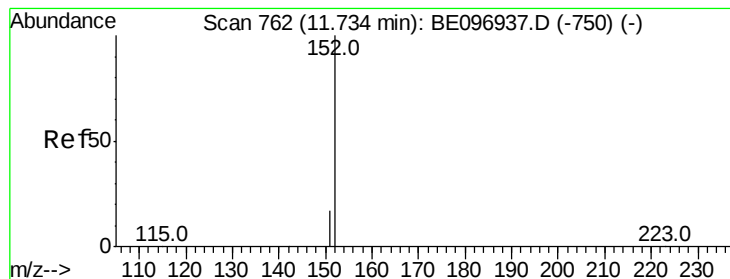


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.474 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

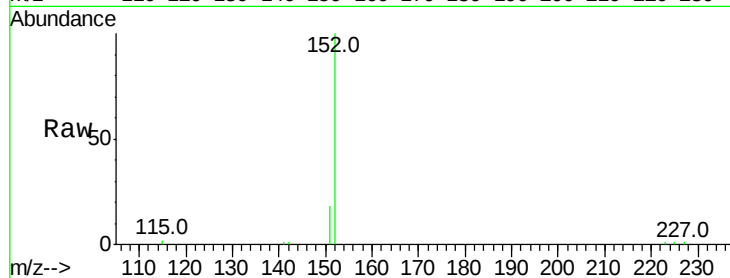
GW02-071118RE

Tot Ion:152 Resp: 6692

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

4000

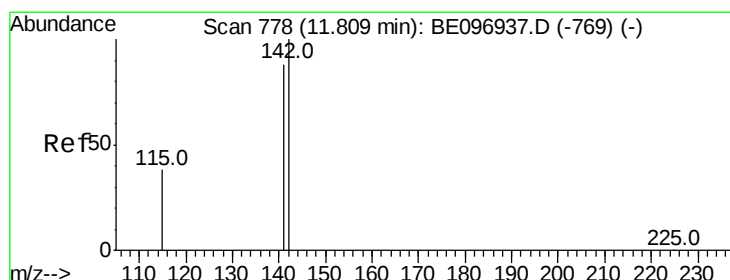
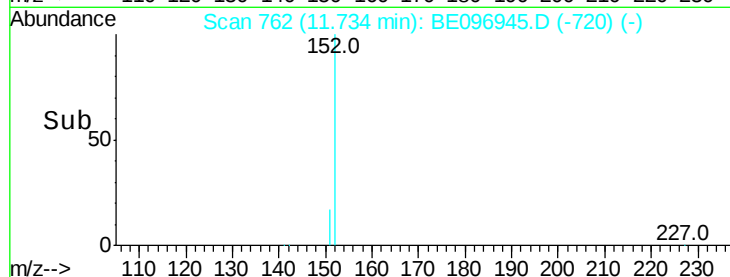
3000

2000

1000

0

Time--> 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.030 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

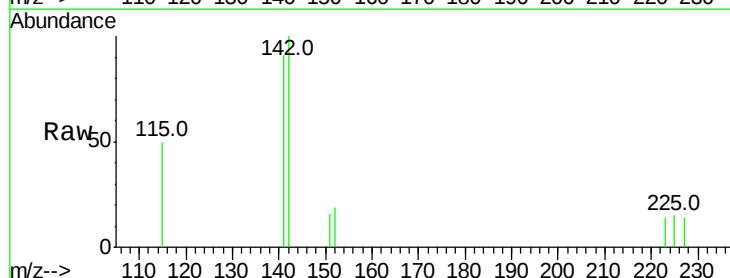
Tgt Ion:142 Resp: 439

Ion Ratio Lower Upper

142 100

141 91.4 70.4 105.6

115 50.5 31.7 47.5#



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

400

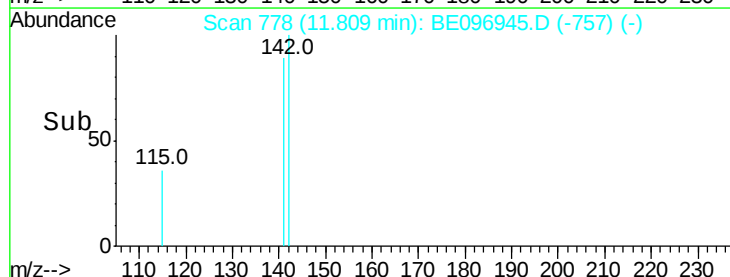
300

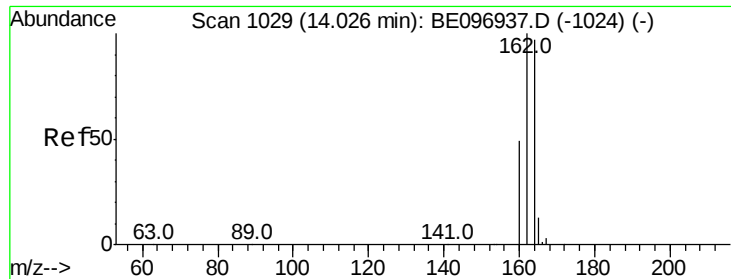
200

100

0

Time--> 11.75 11.80 11.85





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

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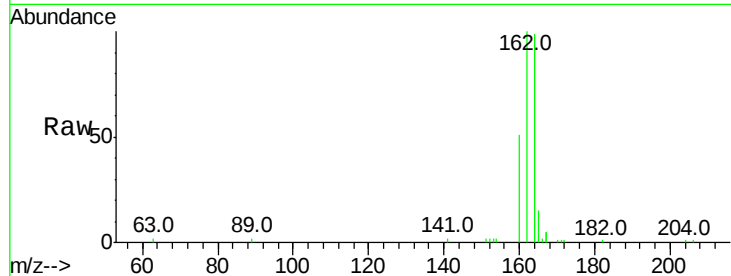
Tot Ion:164 Resp: 5189

Ion Ratio Lower Upper

164 100

162 100.5 83.1 124.7

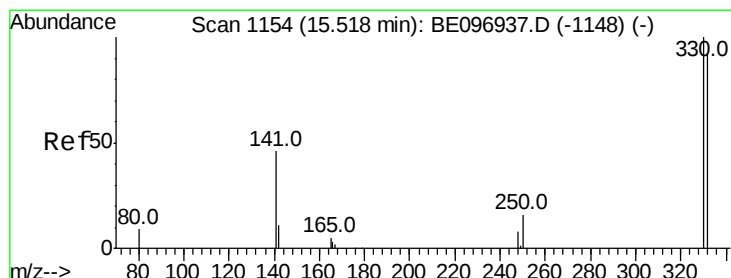
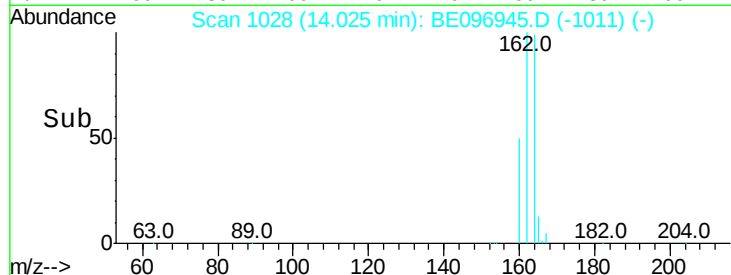
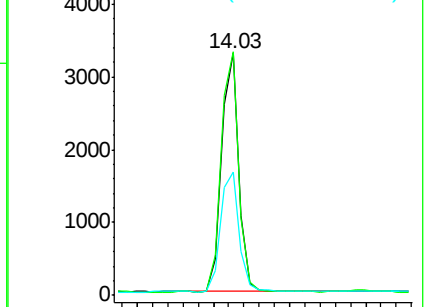
160 50.8 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.558 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

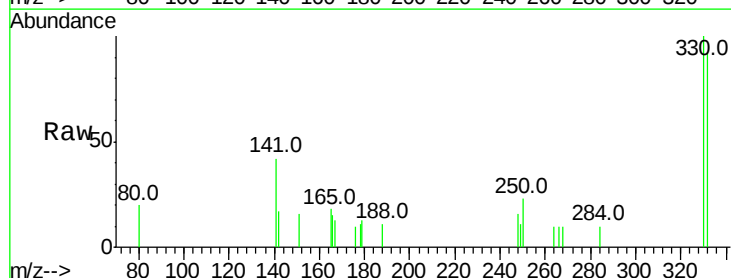
Tgt Ion:330 Resp: 674

Ion Ratio Lower Upper

330 100

332 95.0 152.7 229.1#

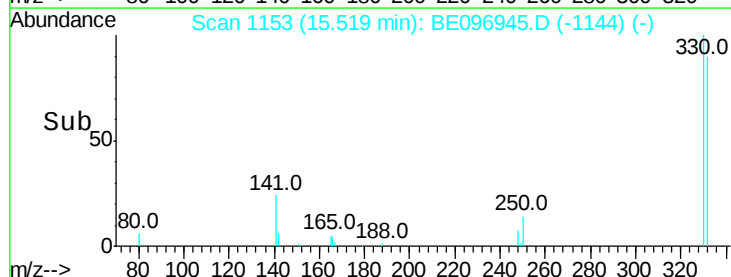
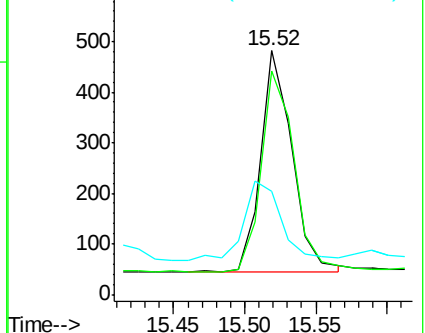
141 41.8 33.7 50.5

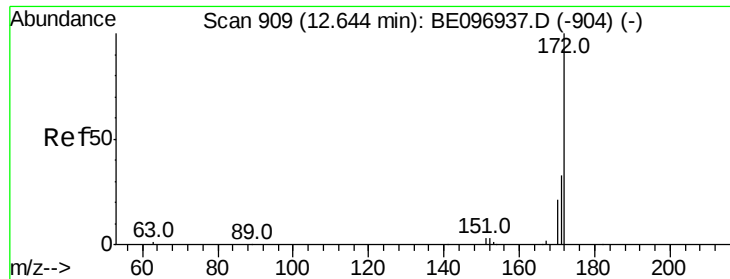


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

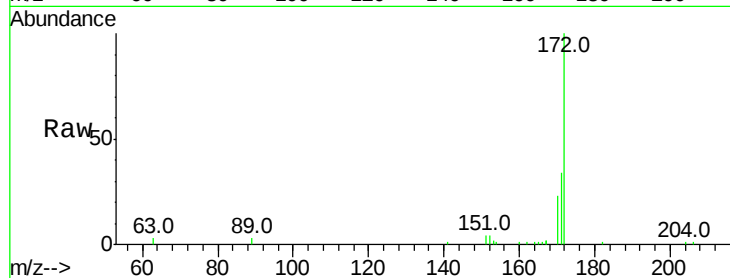




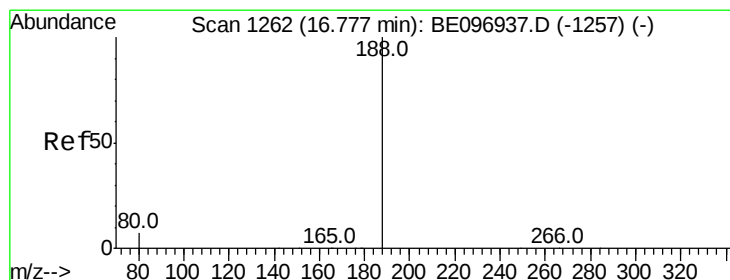
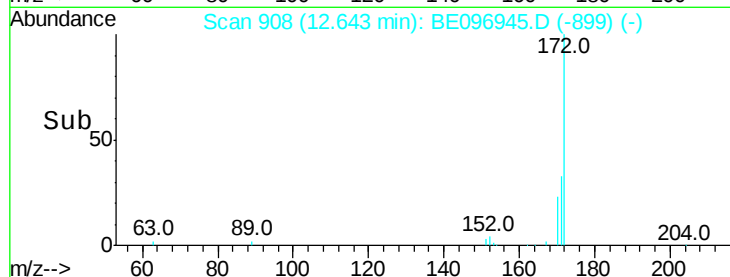
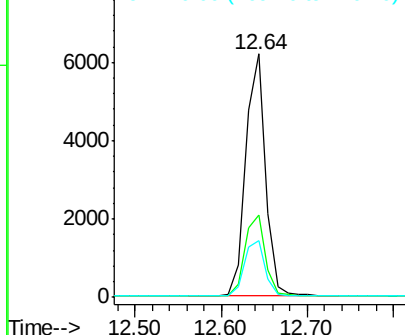
#15
2-Fluorobiphenyl
Concen: 0.506 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Instrument :
BNA_E
ClientSampleId :
GW02-071118RE

Tot Ion:172 Resp: 9771
Ion Ratio Lower Upper
172 100
171 33.8 29.9 44.9
170 23.3 21.8 32.8

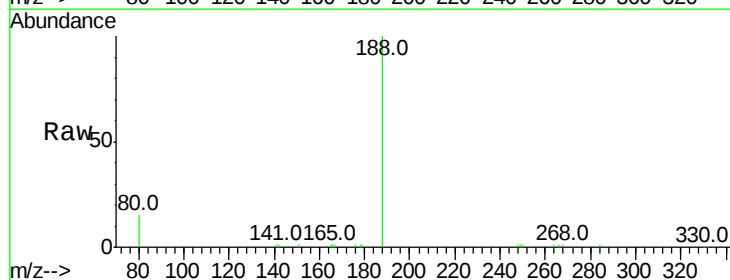


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

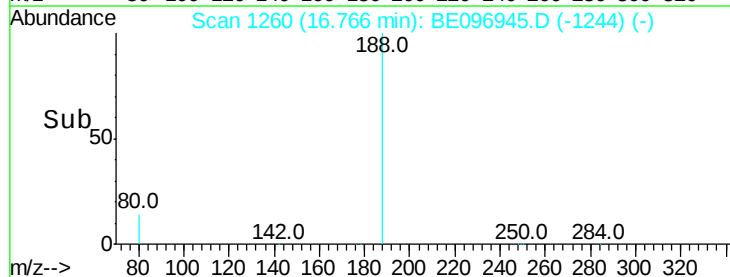
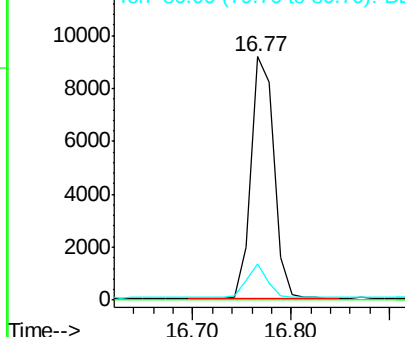


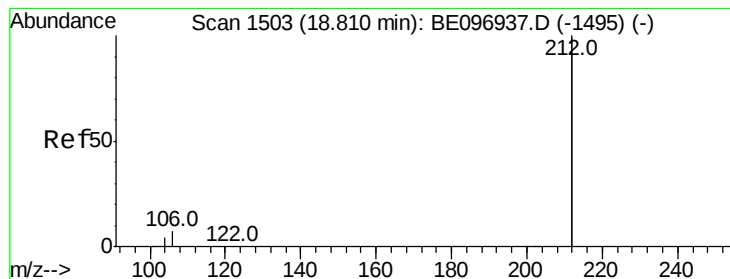
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE096945.D
Acq: 16 Jul 2018 19:33

Tgt Ion:188 Resp: 14867
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 15.0 3.6 5.4#



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





#25

Fluoranthene-d10

Concen: 0.604 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

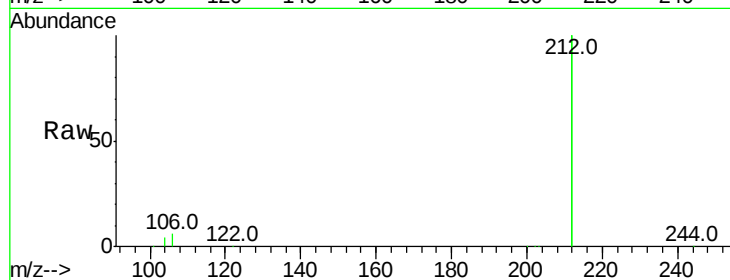
Tot Ion:212 Resp: 78147

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

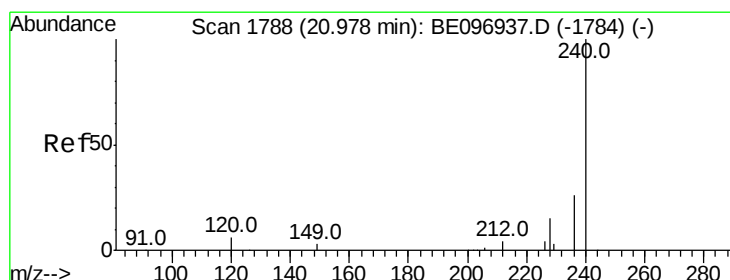
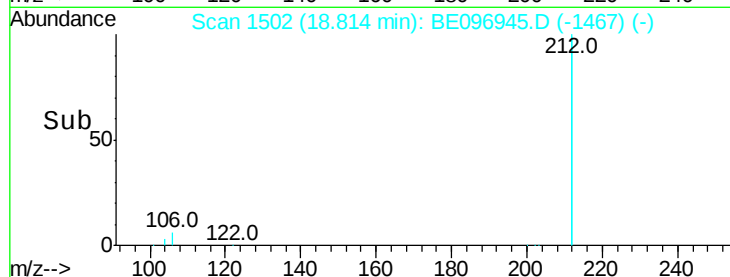
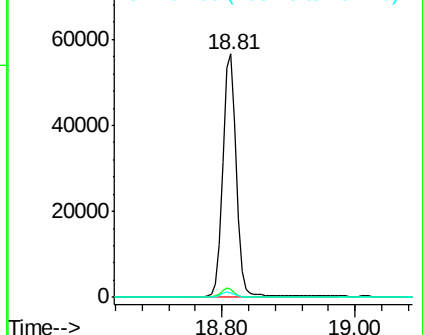
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

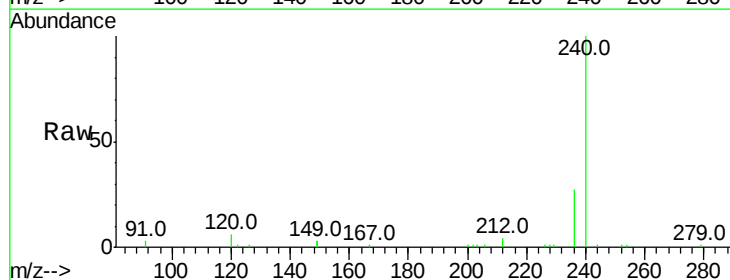
Tgt Ion:240 Resp: 13512

Ion Ratio Lower Upper

240 100

120 6.4 5.5 8.3

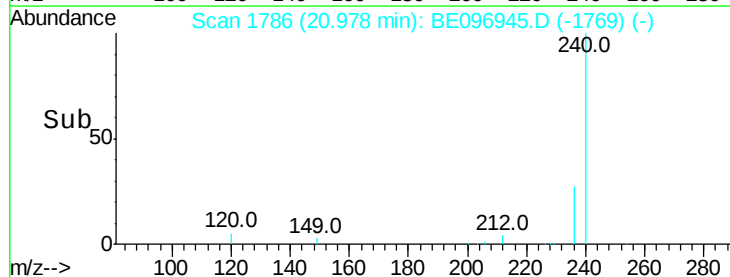
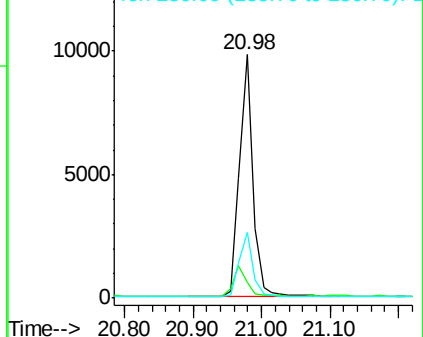
236 27.0 20.7 31.1

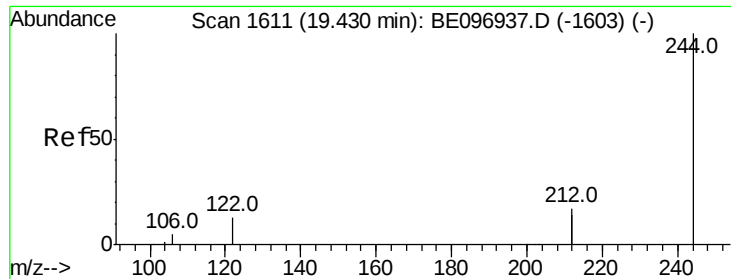


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.619 ng

RT: 19.43 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

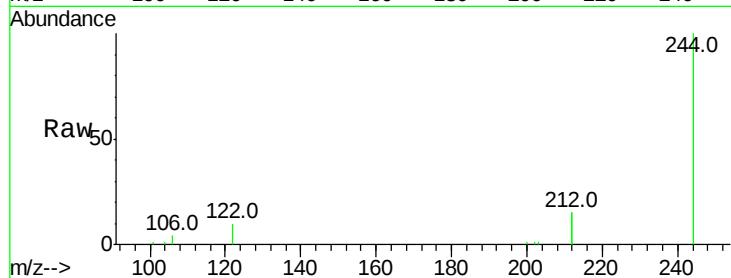
Tot Ion:244 Resp: 16130

Ion Ratio Lower Upper

244 100

212 29.8 25.4 38.0

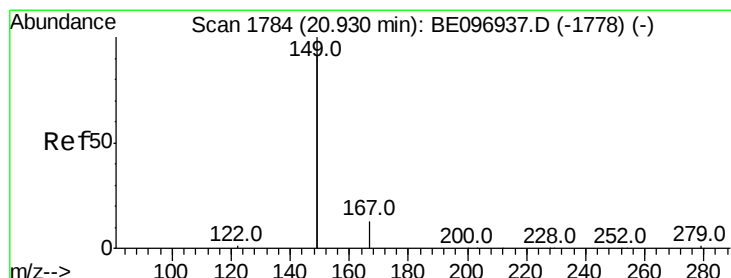
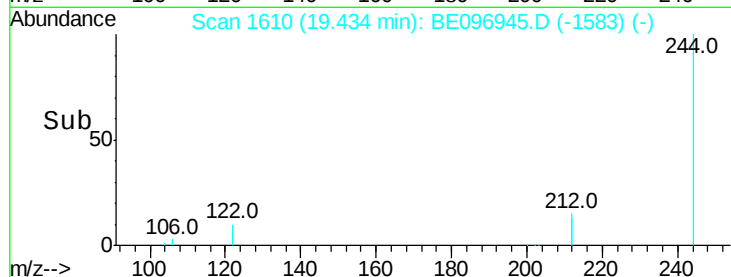
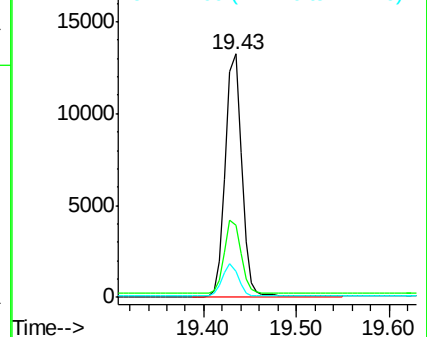
122 10.5 8.1 12.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.261 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

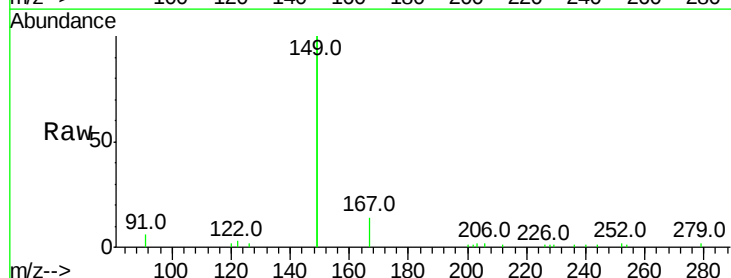
Tgt Ion:149 Resp: 8392

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

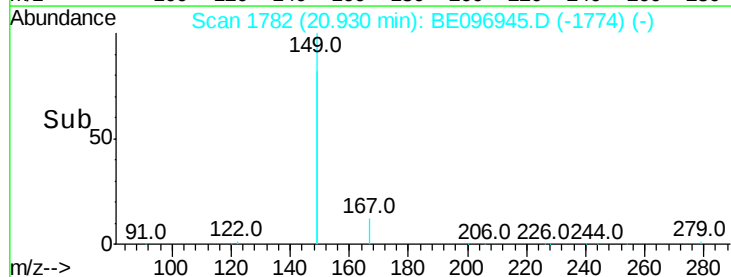
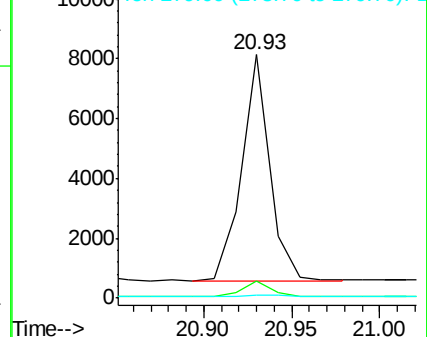
279 1.1 0.7 1.1#

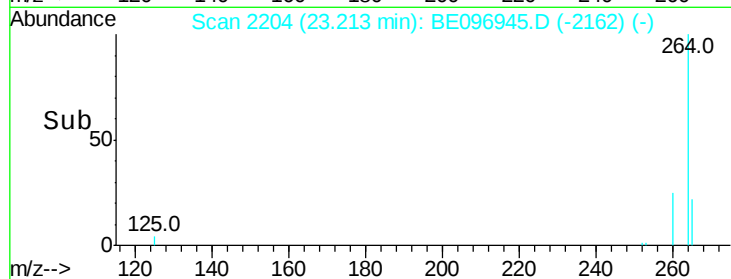
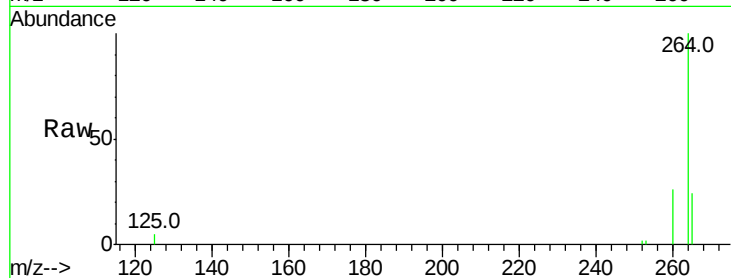
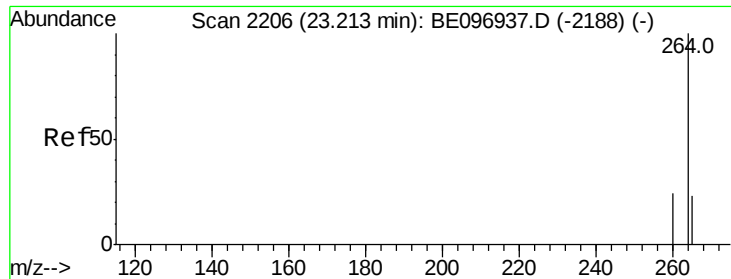


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE096945.D

Acq: 16 Jul 2018 19:33

Instrument :

BNA_E

ClientSampleId :

GW02-071118RE

Tot Ion:264 Resp: 13910

Ion Ratio Lower Upper

264 100

260 25.6 20.5 30.7

265 24.2 22.8 34.2

