

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097045.D
 Acq On : 23 Jul 2018 20:22
 Operator : SJ/JU
 Sample : J4073-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW04-071718

Quant Time: Jul 24 05:27:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1355	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6448	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3869	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	11754	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11331	0.40	ng	0.00
34) Perylene-d12	23.21	264	10944	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	755	0.23	ng	0.00
5) Phenol-d6	6.60	99	626	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	2665	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4042	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	729	0.76	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	9798	0.68	ng	0.00
25) Fluoranthene-d10	18.81	212	59062	0.58	ng	0.00
29) Terphenyl-d14	19.43	244	16920	0.77	ng	0.00

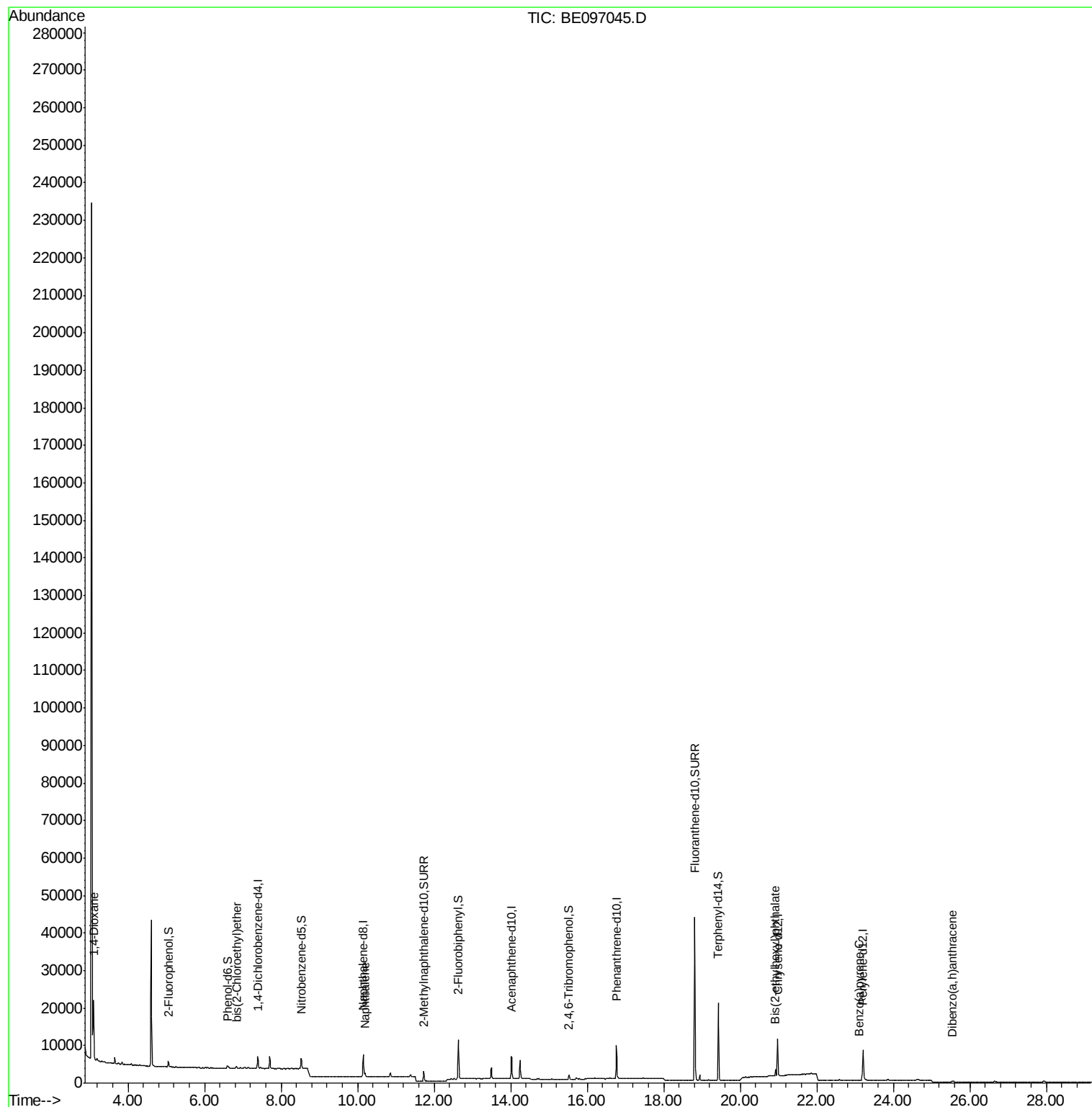
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	7552	3.893	ng	# 92
6) bis(2-Chloroethyl)ether	6.84	93	157	0.032	ng	# 97
9) Naphthalene	10.20	128	1740	0.030	ng	# 90
22) Pentachlorophenol	16.43	266	4	Below Cal		91
32) Bis(2-ethylhexyl)phthalate	20.92	149	2735	0.102	ng	# 98
37) Benzo(a)pyrene	23.11	252	4	0.101	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	4	0.118	ng	# 1

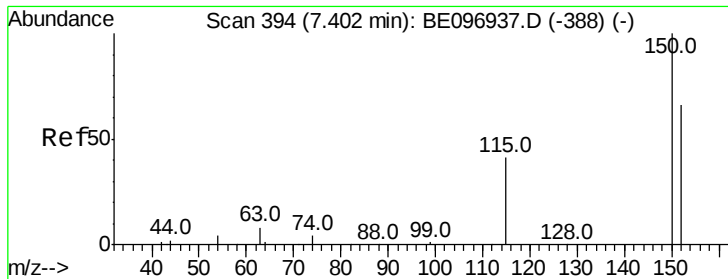
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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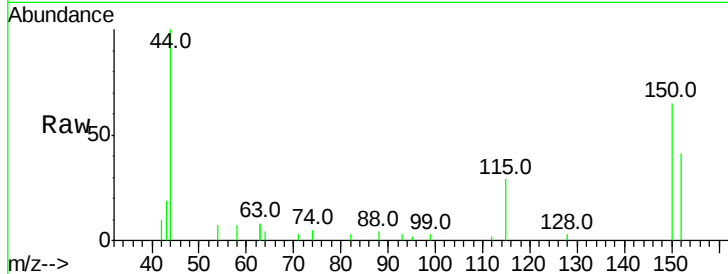


#1

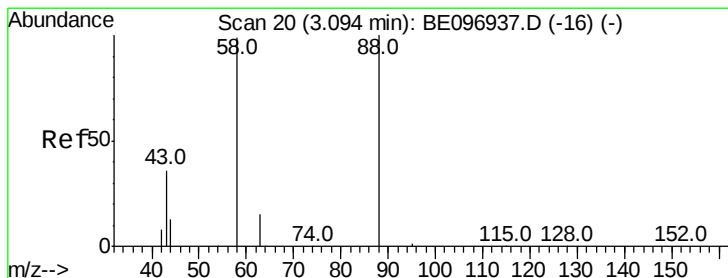
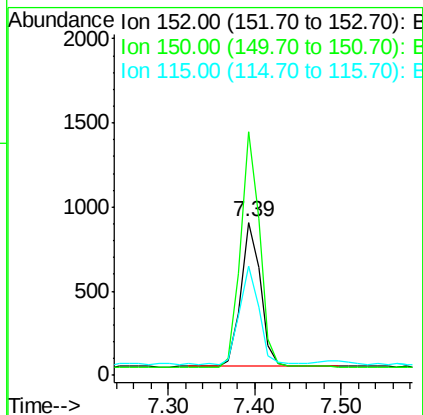
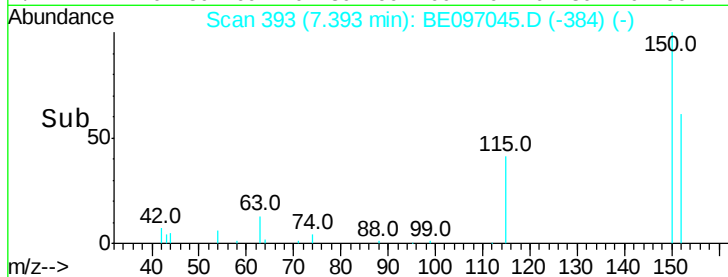
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: BE097045.D
 Acq: 23 Jul 2018 20:22

Instrument :
 BNA_E
 ClientSampleId :
 GW04-071718

Tot Ion:152 Resp: 1355
 Ion Ratio Lower Upper
 152 100
 150 159.2 117.2 175.8
 115 71.1 57.0 85.6



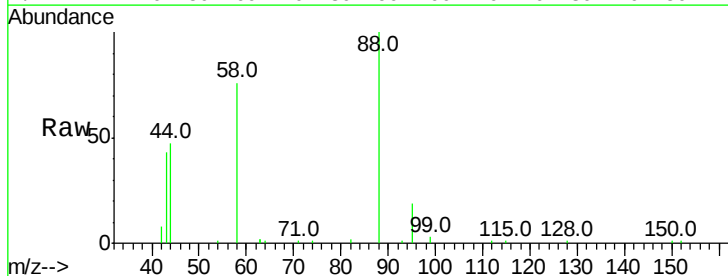
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



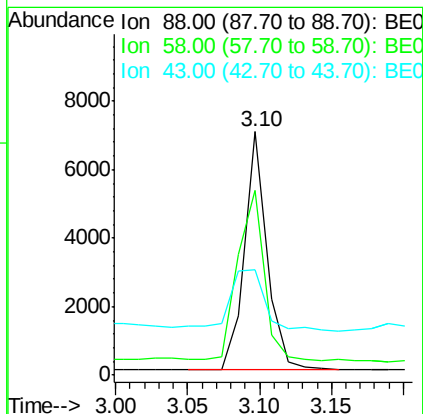
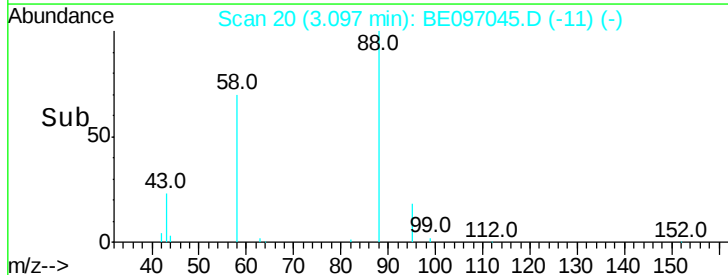
#2

1,4-Dioxane
 Concen: 3.893 ng
 RT: 3.10 min Scan# 20
 Delta R.T. 0.00 min
 Lab File: BE097045.D
 Acq: 23 Jul 2018 20:22

Tgt Ion: 88 Resp: 7552
 Ion Ratio Lower Upper
 88 100
 58 82.5 63.2 94.8
 43 41.0 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: 0.233 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

GW04-071718

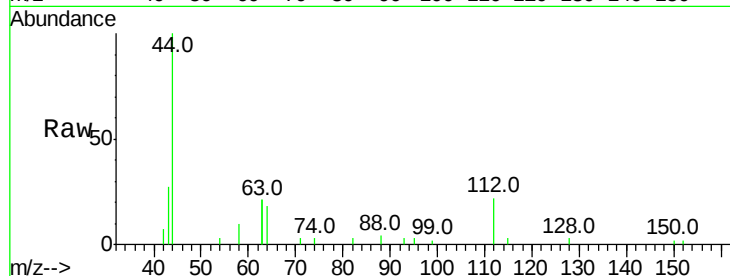
Tot Ion: 112 Resp: 755

Ion Ratio Lower Upper

112 100

64 69.8 60.1 90.1

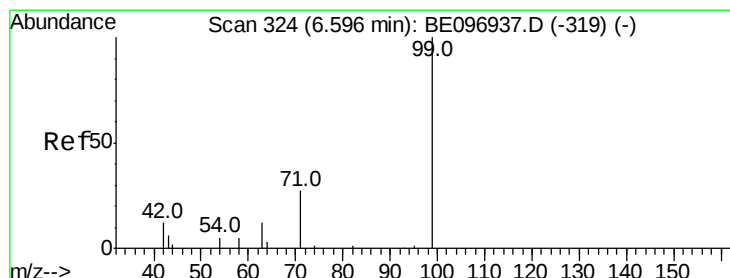
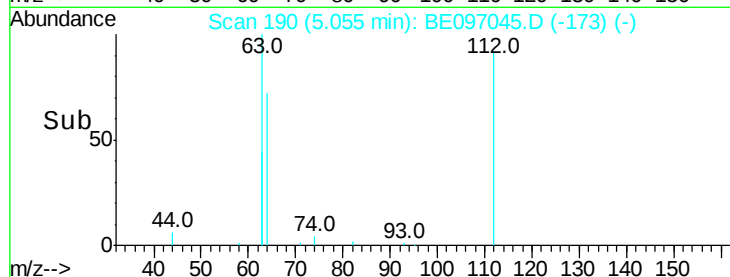
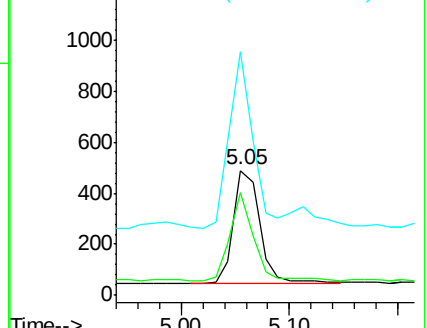
63 137.0 116.8 175.2



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: 0.127 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

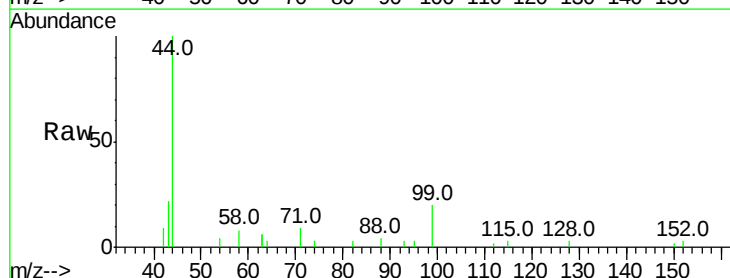
Tgt Ion: 99 Resp: 626

Ion Ratio Lower Upper

99 100

42 26.7 20.2 30.2

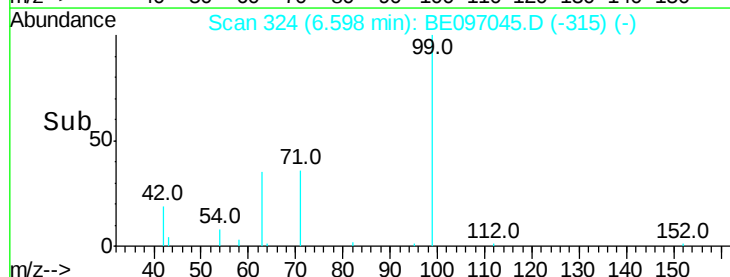
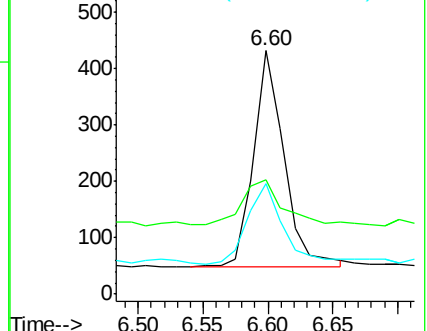
71 43.5 28.4 42.6#

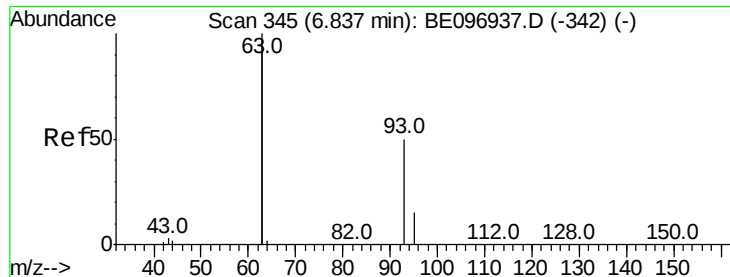


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.032 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

GW04-071718

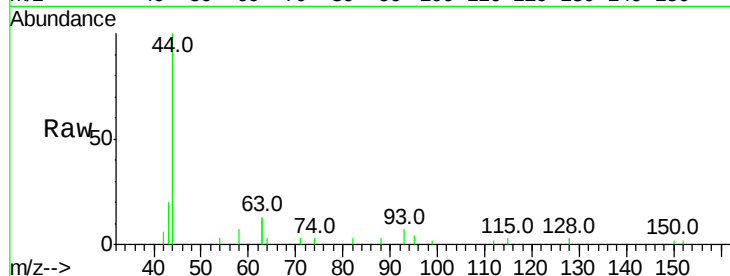
Tot Ion: 93 Resp: 157

Ion Ratio Lower Upper

93 100

63 338.9 275.3 412.9

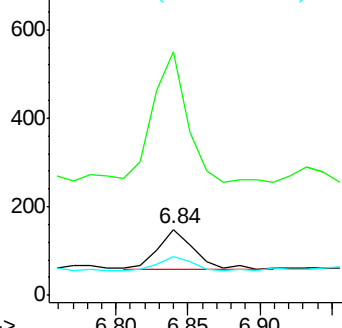
95 29.3 25.2 37.8



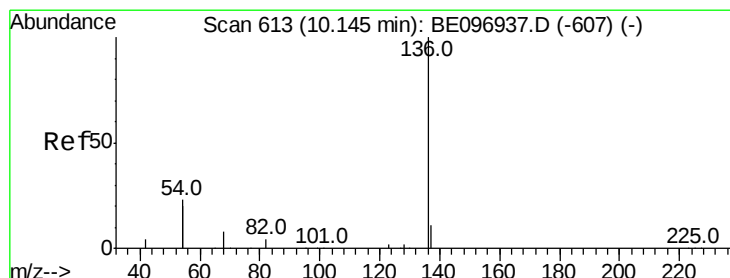
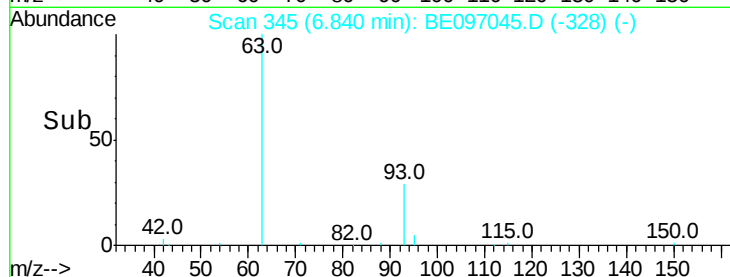
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Tgt Ion: 136 Resp: 6448

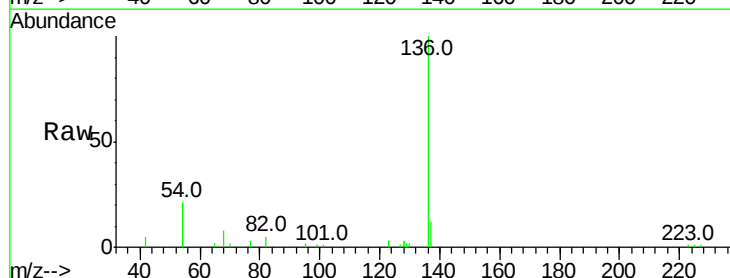
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 42.4 29.1 43.7

68 8.4 6.2 9.2

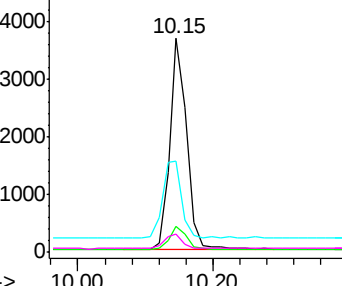


Abundance Ion 136.00 (135.70 to 136.70): E

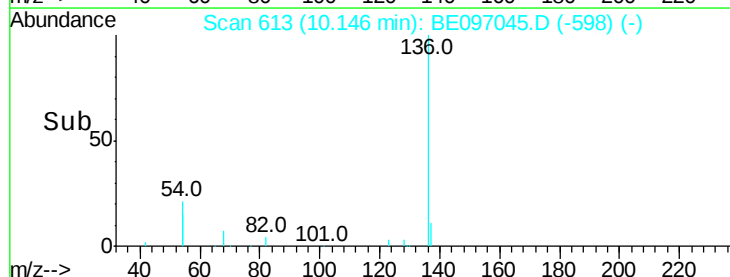
Ion 137.00 (136.70 to 137.70): E

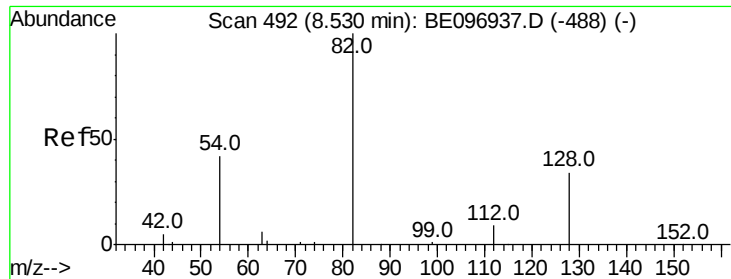
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.567 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

GW04-071718

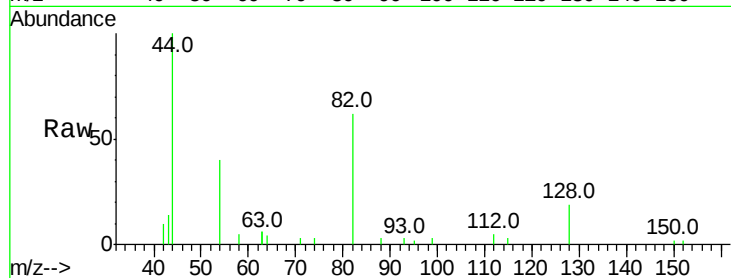
Tot Ion: 82 Resp: 2665

Ion Ratio Lower Upper

82 100

128 30.0 24.0 36.0

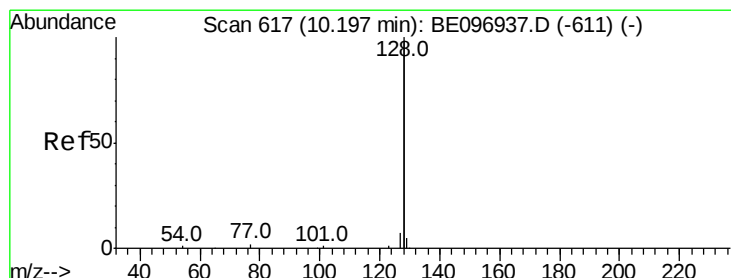
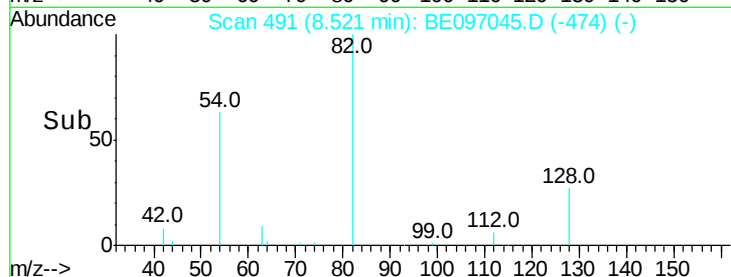
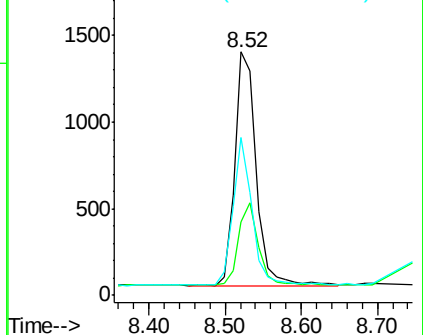
54 64.8 40.0 60.0#



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: 0.030 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

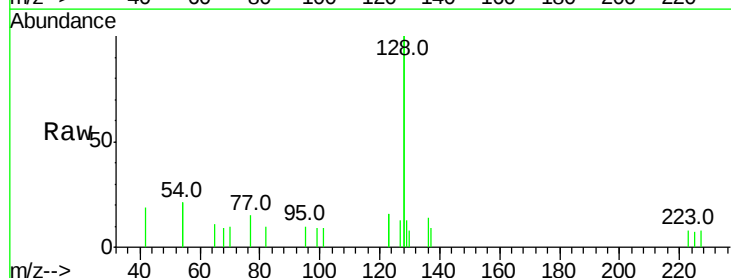
Tgt Ion:128 Resp: 1740

Ion Ratio Lower Upper

128 100

129 6.6 2.6 3.8#

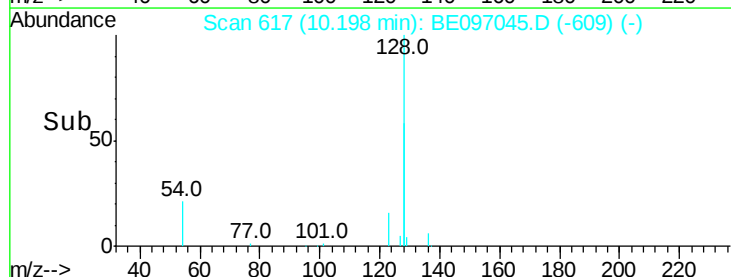
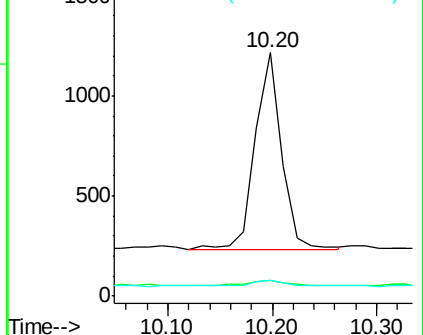
127 6.5 2.8 4.2#

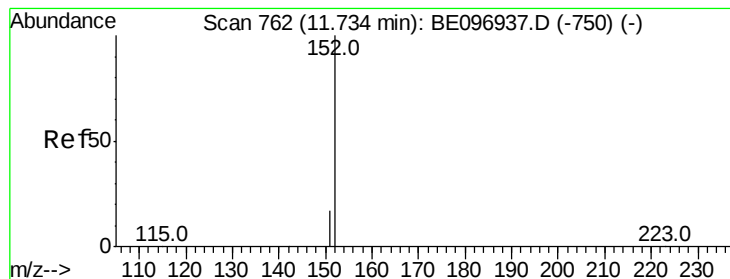


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.430 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

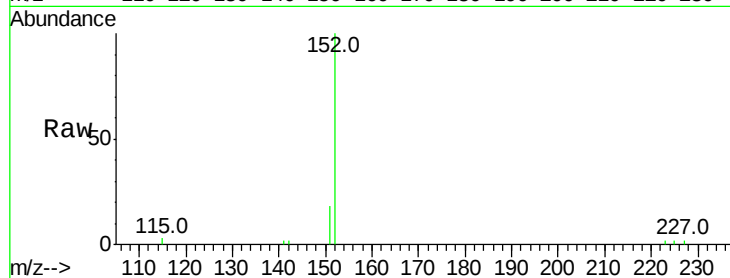
GW04-071718

Tot Ion:152 Resp: 4042

Ion Ratio Lower Upper

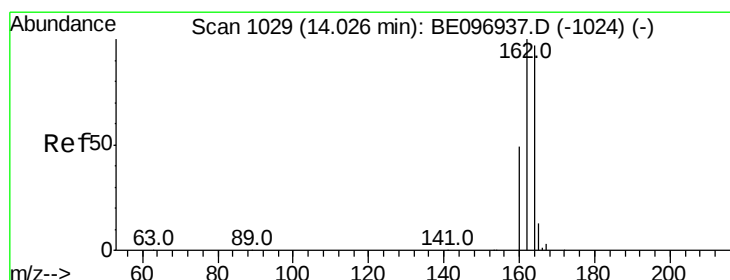
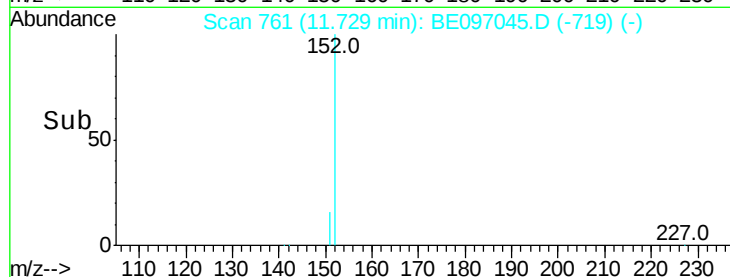
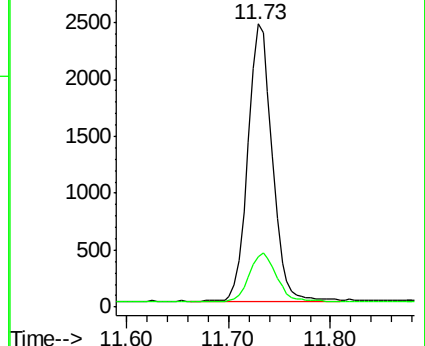
152 100

151 19.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

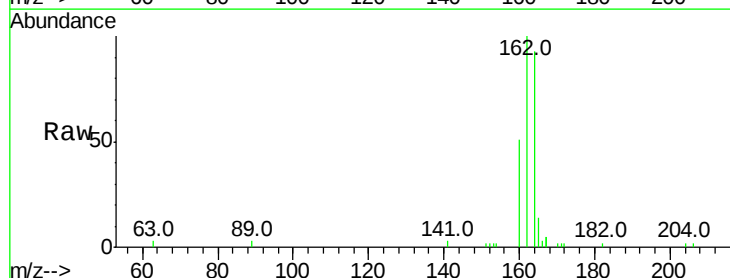
Tgt Ion:164 Resp: 3869

Ion Ratio Lower Upper

164 100

162 107.7 83.1 124.7

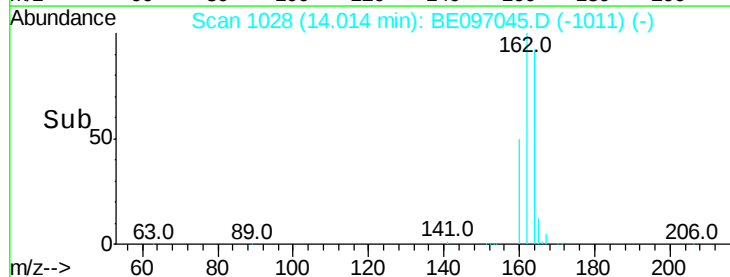
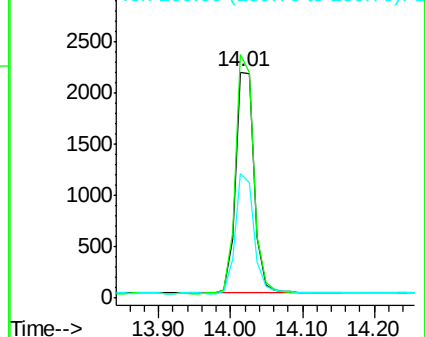
160 55.0 37.1 55.7

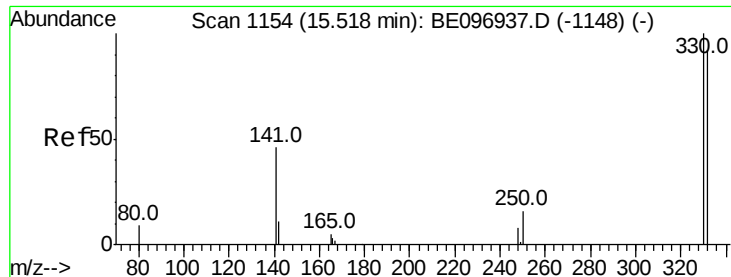


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

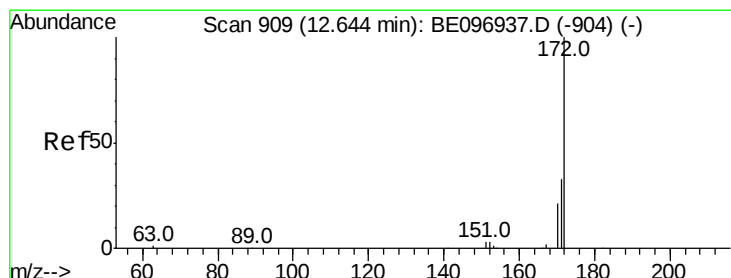
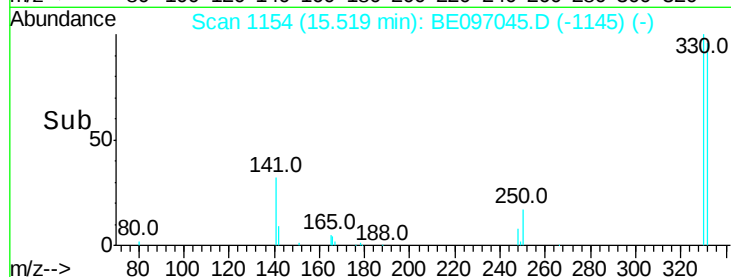
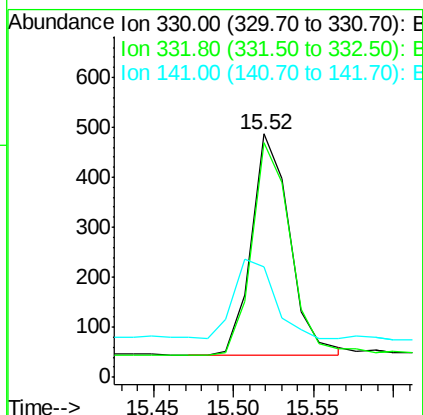
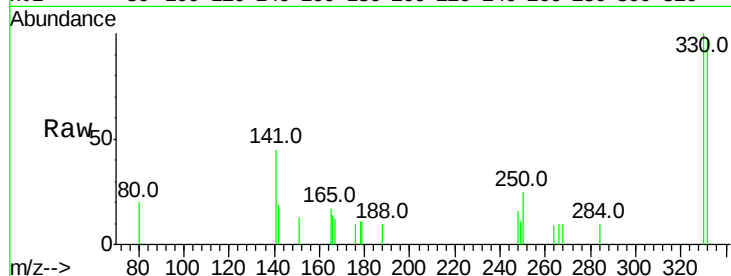




#14
 2,4,6-Tribromophenol
 Concen: 0.760 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097045.D
 Acq: 23 Jul 2018 20:22

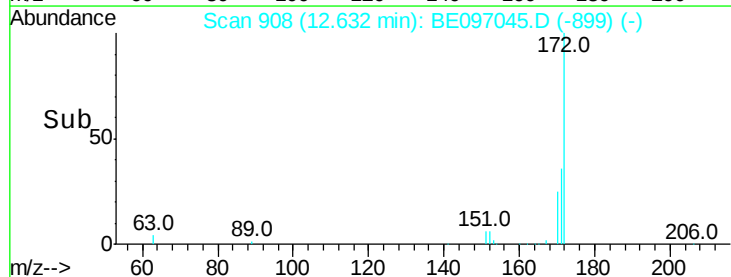
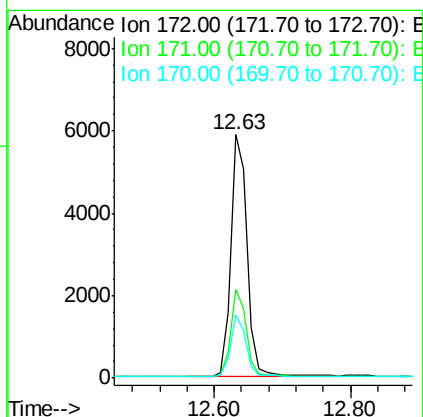
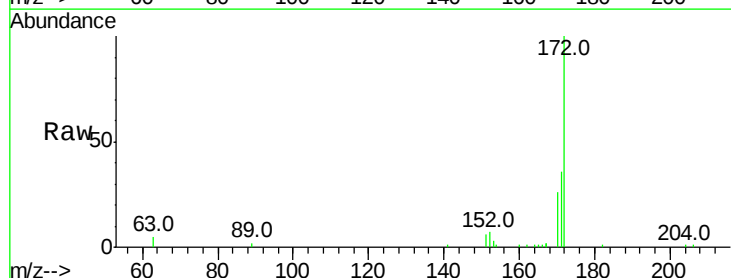
Instrument :
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 GW04-071718

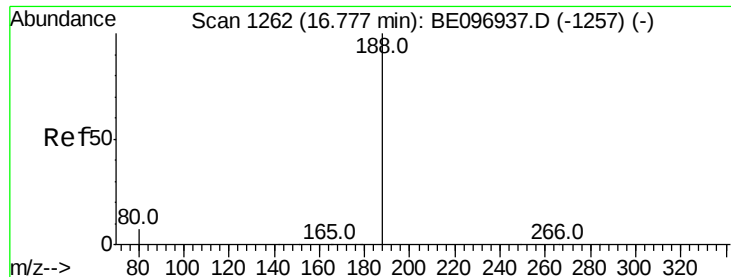
Tot Ion:330 Resp: 729
 Ion Ratio Lower Upper
 330 100
 332 98.2 152.7 229.1#
 141 38.4 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.681 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097045.D
 Acq: 23 Jul 2018 20:22

Tgt Ion:172 Resp: 9798
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.9 44.9
 170 25.7 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

GW04-071718

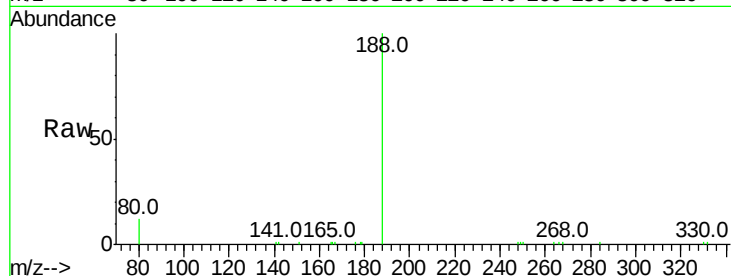
Tot Ion:188 Resp: 11754

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

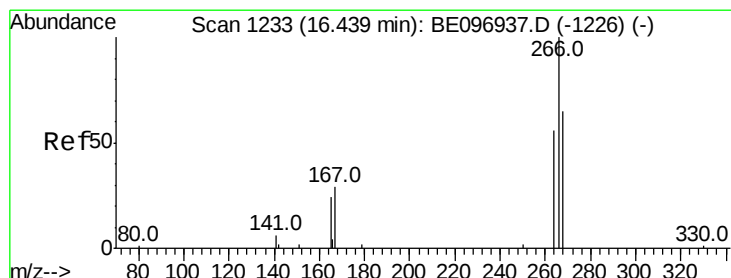
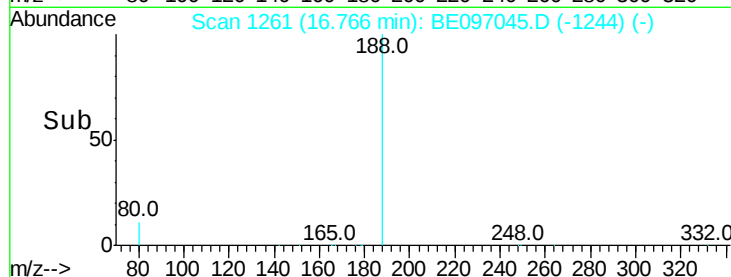
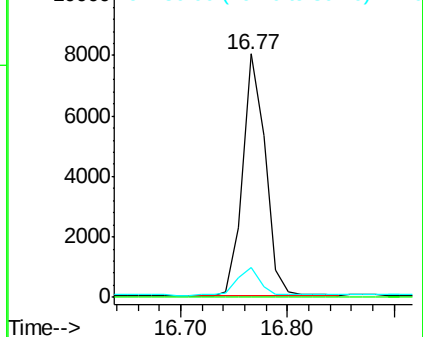
80 12.1 3.6 5.4#



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



#22

Pentachlorophenol

Concen: Below Cal

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

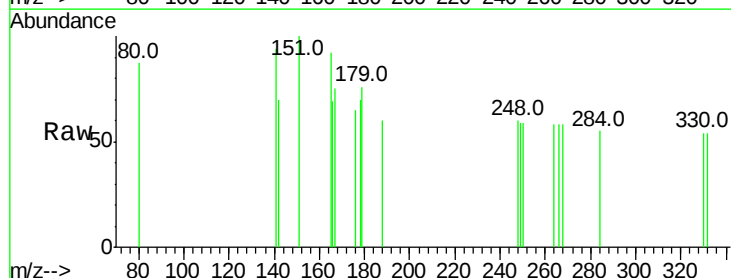
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 100.0 72.5 108.7

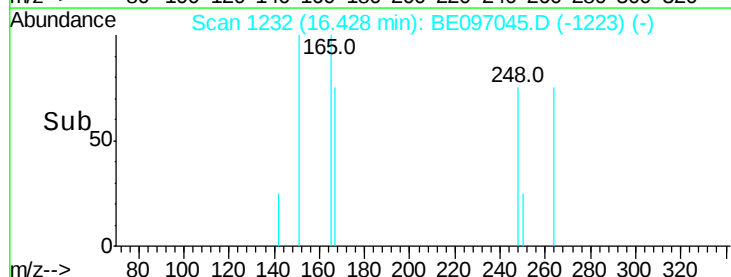
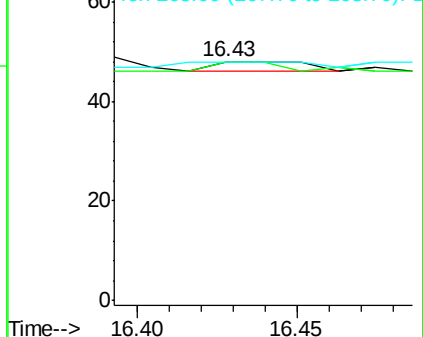
268 100.0 73.8 110.6

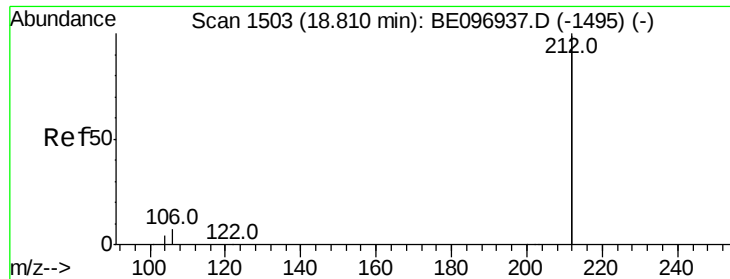


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

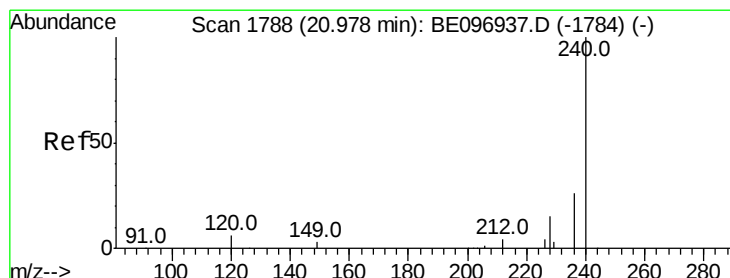
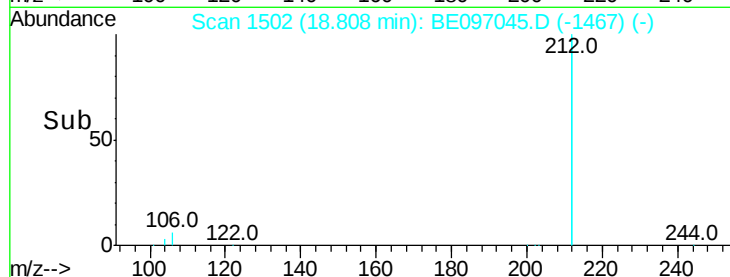
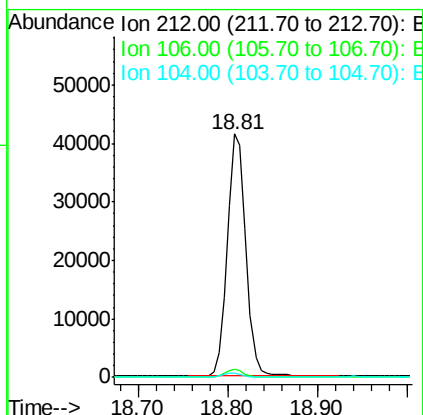
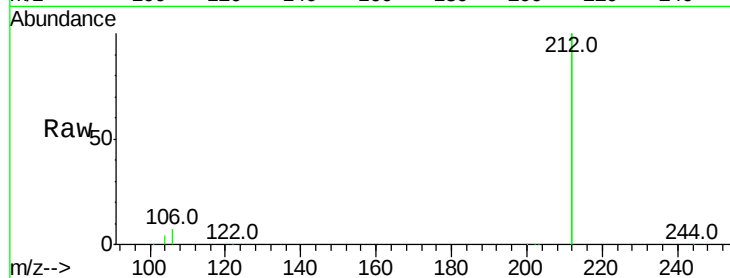




#25
 Fluoranthene-d10
 Concen: 0.578 ng
 RT: 18.81 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BE097045.D
 Acq: 23 Jul 2018 20:22

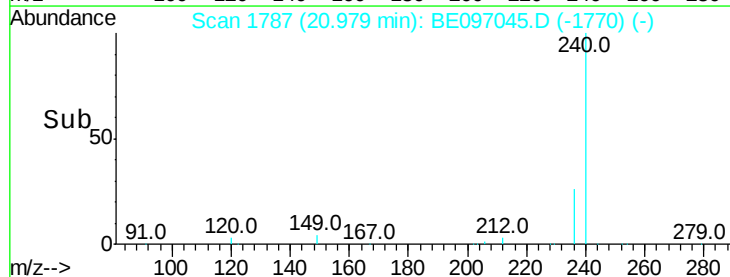
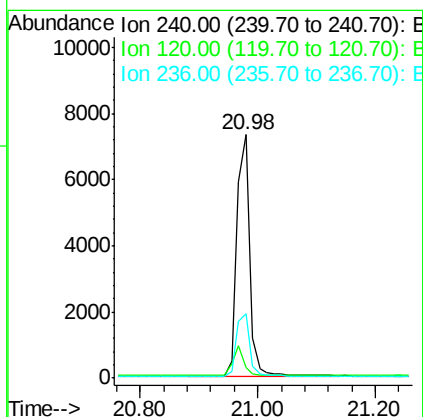
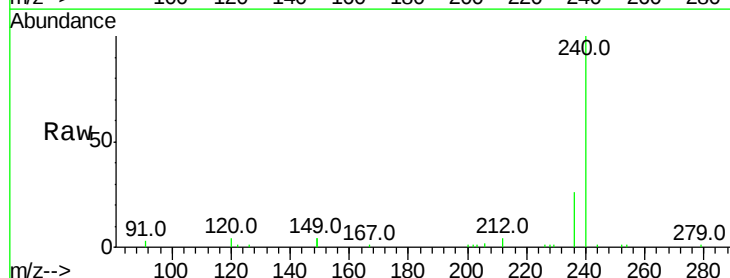
Instrument :
 BNA_E
 ClientSampleId :
 GW04-071718

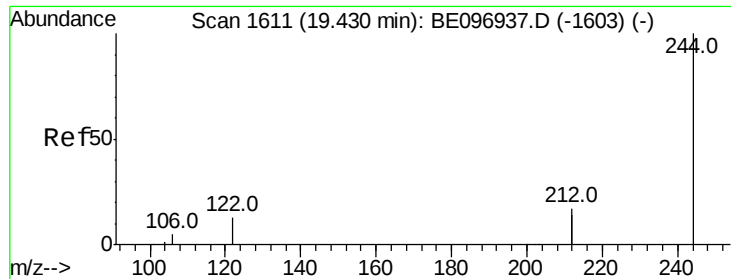
Tot Ion:212 Resp: 59062
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.8 4.2
 104 1.7 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097045.D
 Acq: 23 Jul 2018 20:22

Tgt Ion:240 Resp: 11331
 Ion Ratio Lower Upper
 240 100
 120 4.4 5.5 8.3#
 236 26.3 20.7 31.1





#29

Terphenyl-d14

Concen: 0.774 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

GW04-071718

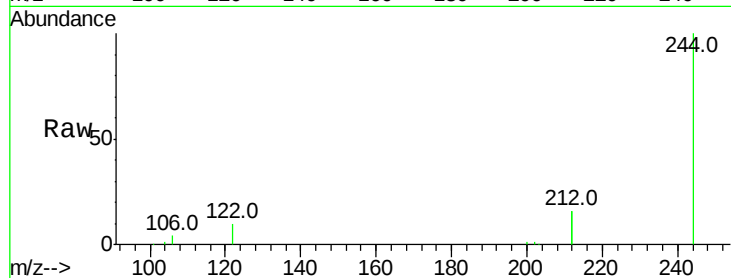
Tot Ion:244 Resp: 16920

Ion Ratio Lower Upper

244 100

212 32.4 25.4 38.0

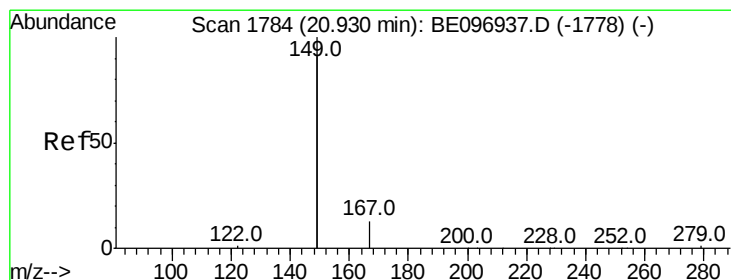
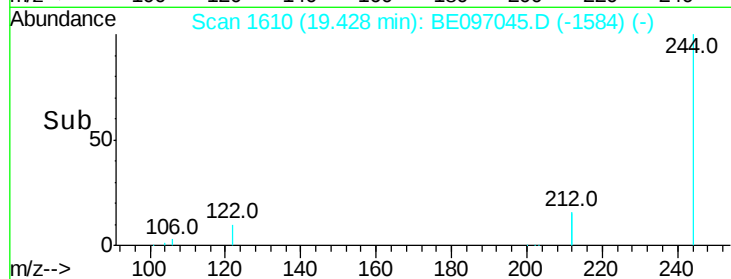
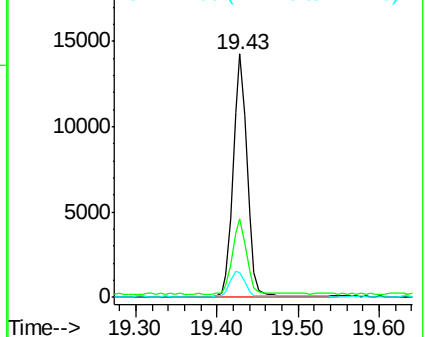
122 10.3 8.1 12.1



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: 0.102 ng

RT: 20.92 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BE097045.D

Acq: 23 Jul 2018 20:22

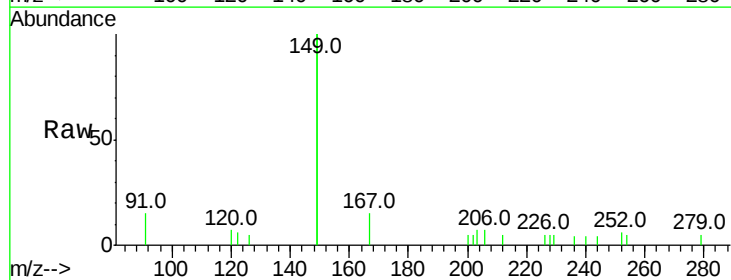
Tgt Ion:149 Resp: 2735

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

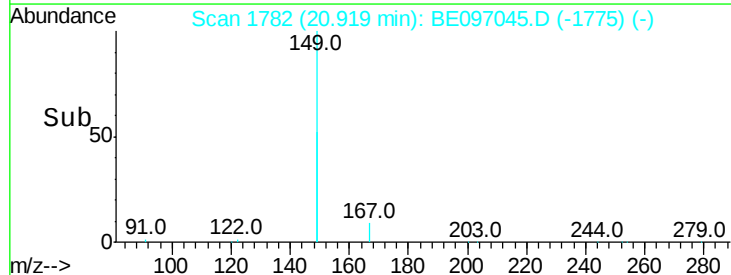
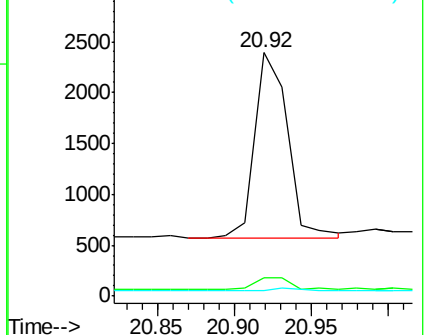
279 1.6 0.7 1.1#

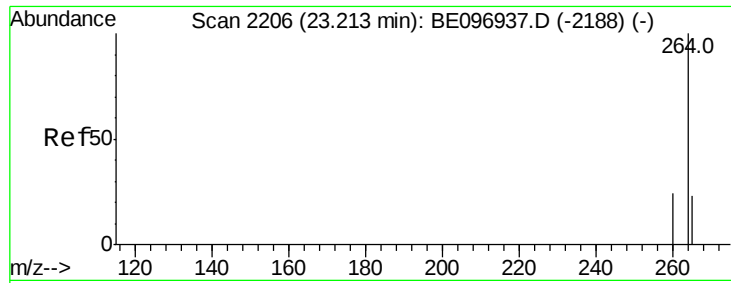


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

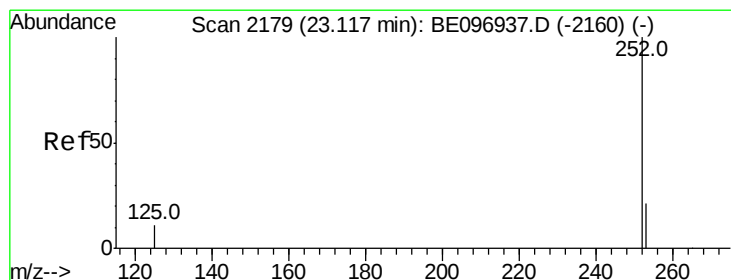
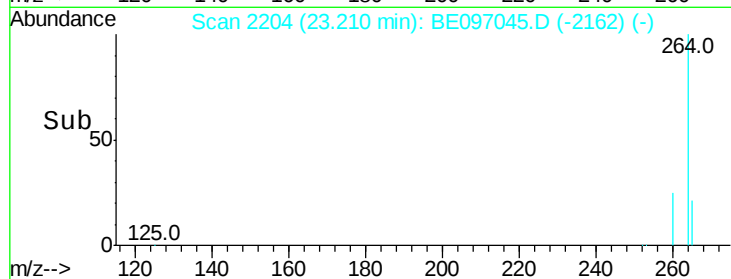
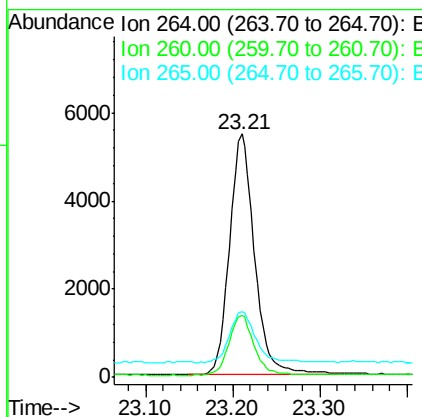
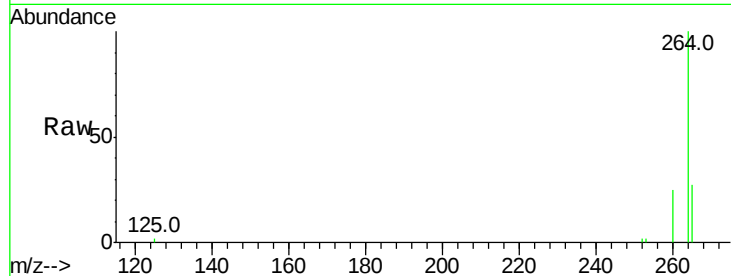




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE097045.D
Acq: 23 Jul 2018 20:22

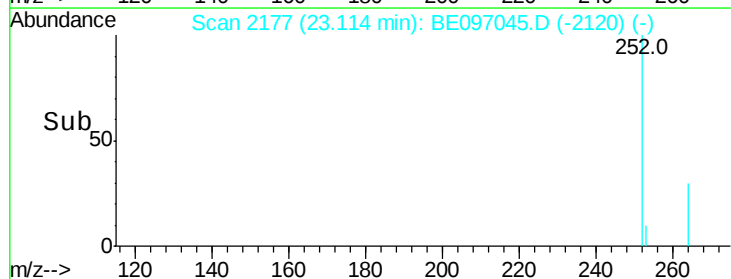
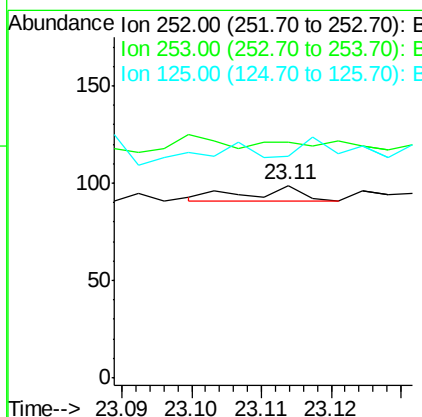
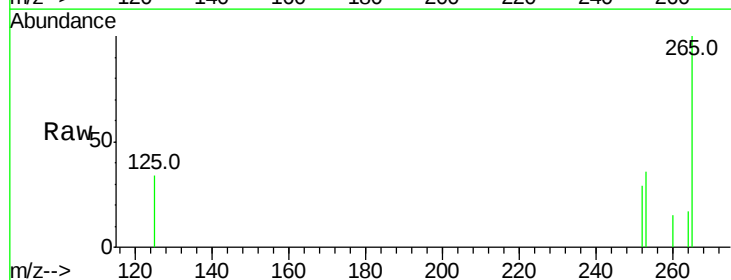
Instrument :
BNA_E
ClientSampleId :
GW04-071718

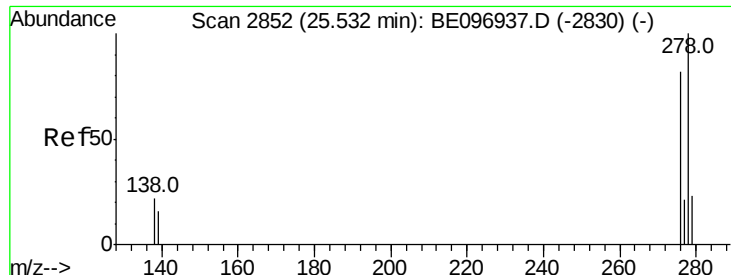
Tot Ion:264 Resp: 10944
Ion Ratio Lower Upper
264 100
260 25.4 20.5 30.7
265 27.1 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.101 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097045.D
Acq: 23 Jul 2018 20:22

Tgt Ion:252 Resp: 4
Ion Ratio Lower Upper
252 100
253 122.2 16.0 24.0#
125 115.2 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BE097045.D

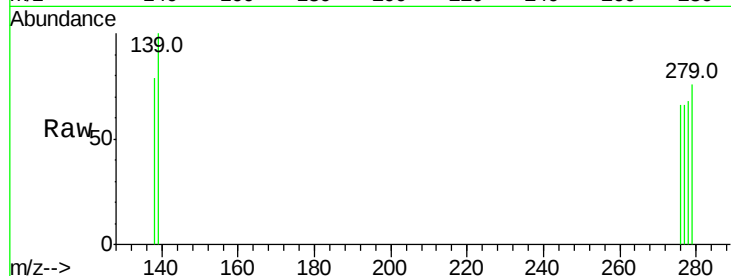
Acq: 23 Jul 2018 20:22

Instrument :

BNA_E

ClientSampleId :

GW04-071718



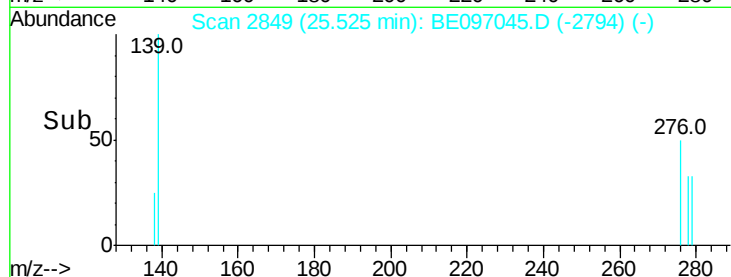
Tot Ion:278 Resp: 4

Ion Ratio Lower Upper

278 100

139 146.6 16.0 24.0#

279 112.1 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

150

100

50

0

25.50 25.51 25.52 25.53

25.52

Time-->