

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072018\
 Data File : BE097017.D
 Acq On : 20 Jul 2018 6:36
 Operator : SJ/JU
 Sample : J4014-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW03-071218

Quant Time: Jul 20 07:56:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 15:02:56 2018
 Response via : Initial Calibration

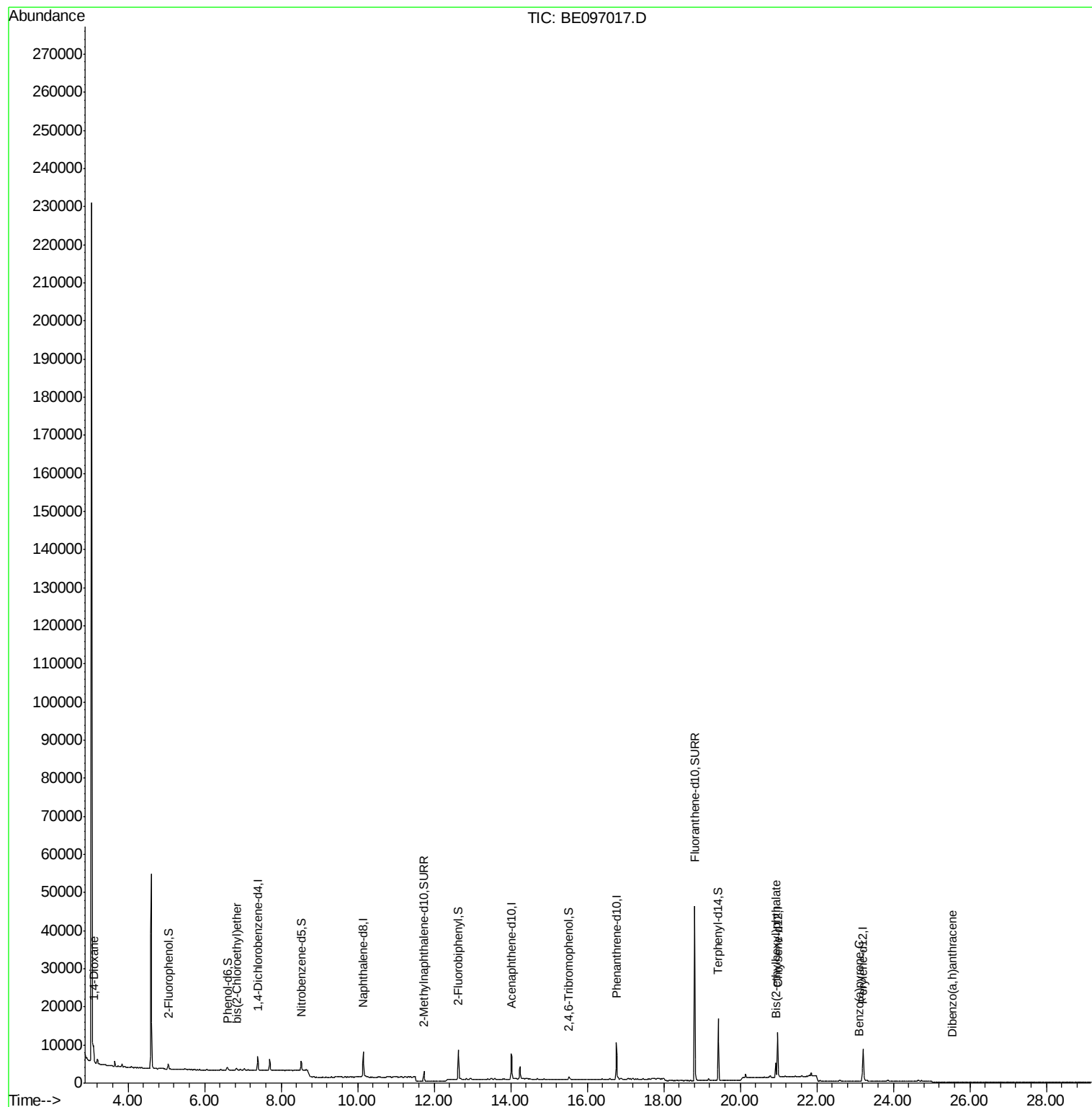
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1531	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7029	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4121	0.40	ng	-0.01
19) Phenanthrene-d10	16.77	188	12514	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	12978	0.40	ng	0.00
34) Perylene-d12	23.21	264	12163	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	750	0.20	ng	0.00
5) Phenol-d6	6.60	99	634	0.11	ng	0.00
8) Nitrobenzene-d5	8.52	82	2207	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	3893	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	486	0.52	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7030	0.46	ng	-0.01
25) Fluoranthene-d10	18.81	212	58940	0.54	ng	0.00
29) Terphenyl-d14	19.43	244	14243	0.57	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.10	88	1978	0.903	ng	91
6) bis(2-Chloroethyl)ether	6.84	93	196	0.036	ng	85
22) Pentachlorophenol	16.44	266	23	Below Cal		93
32) Bis(2-ethylhexyl)phthalate	20.93	149	5203	0.169	ng	99
37) Benzo(a)pyrene	23.11	252	25	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.54	278	29	0.119	ng	# 1

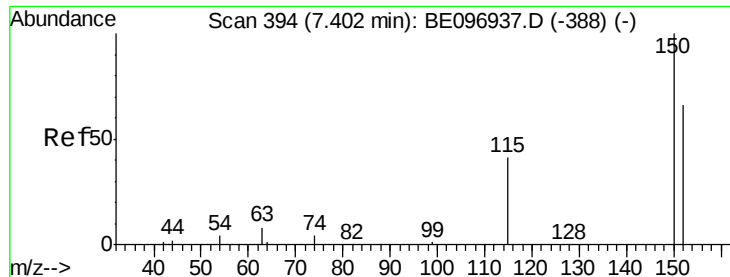
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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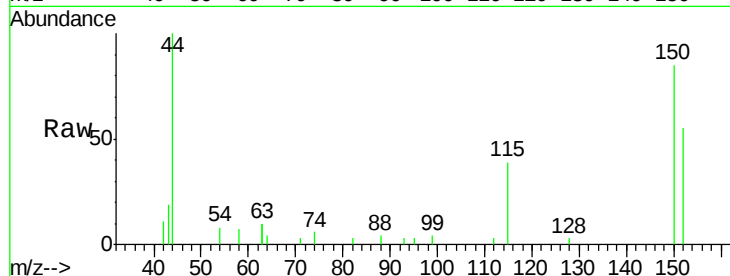


#1

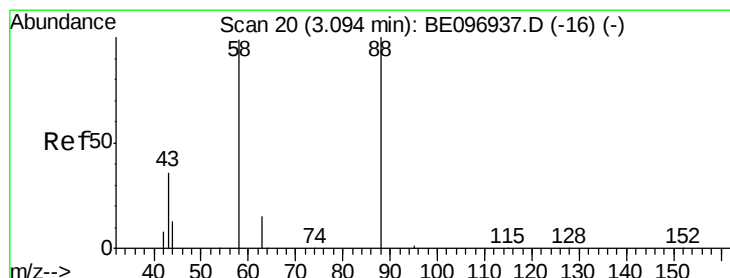
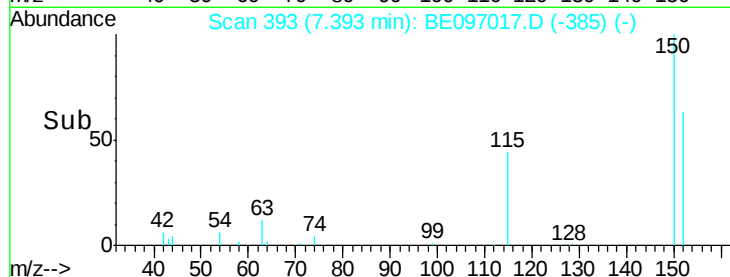
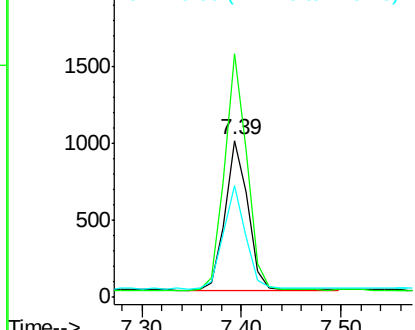
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE097017.D
Acq: 20 Jul 2018 6:36

Instrument :
BNA_E
ClientSampleId :
GW03-071218

Tgt Ion: 152 Resp: 1531
Ion Ratio Lower Upper
152 100
150 155.4 117.2 175.8
115 71.7 57.0 85.6



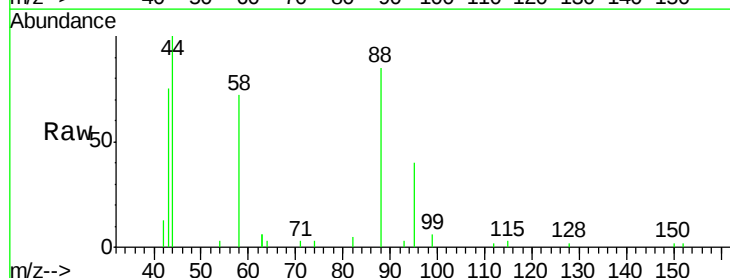
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



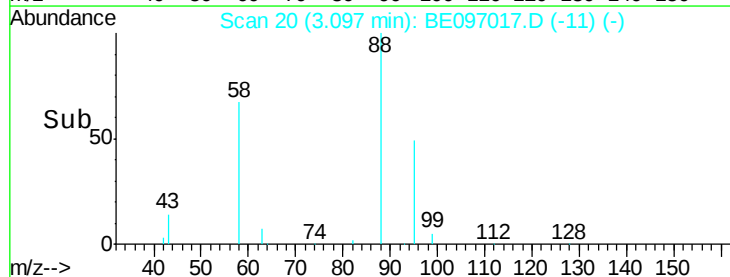
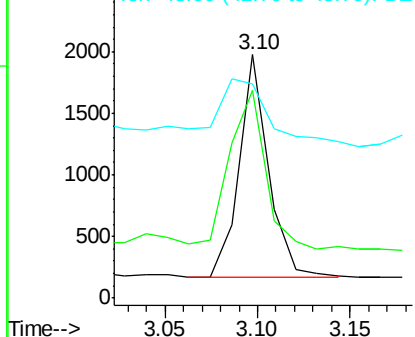
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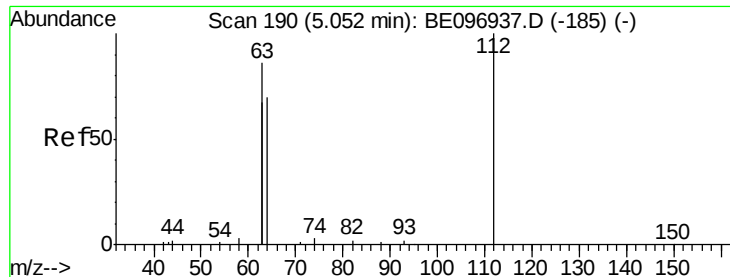
1,4-Dioxane
Concen: 0.903 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097017.D
Acq: 20 Jul 2018 6:36

Tgt Ion: 88 Resp: 1978
Ion Ratio Lower Upper
88 100
58 86.8 63.2 94.8
43 44.2 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: 0.205 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

Instrument :

BNA_E

ClientSampleId :

GW03-071218

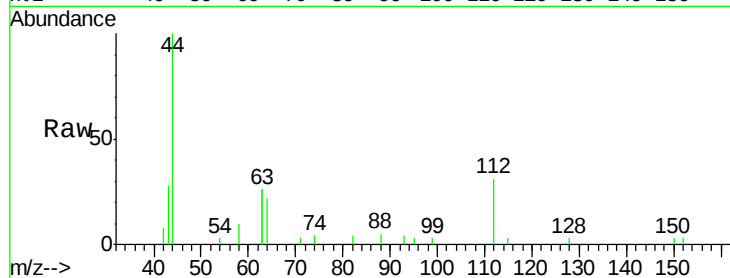
Tgt Ion: 112 Resp: 750

Ion Ratio Lower Upper

112 100

64 71.5 60.1 90.1

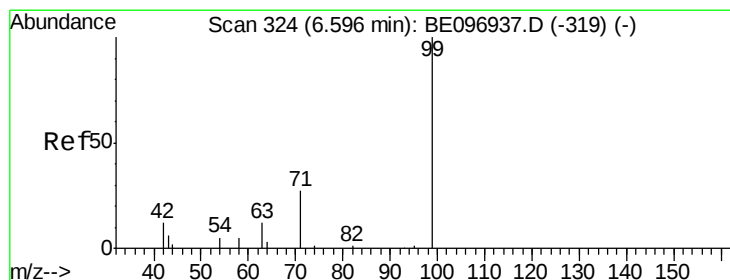
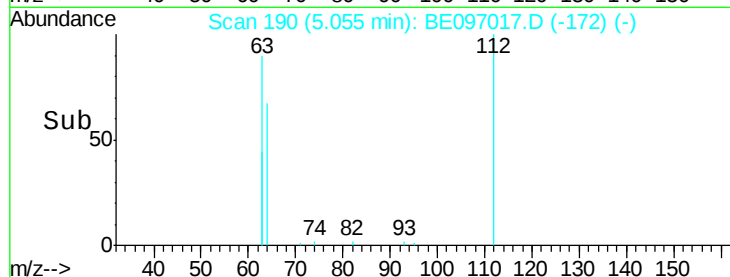
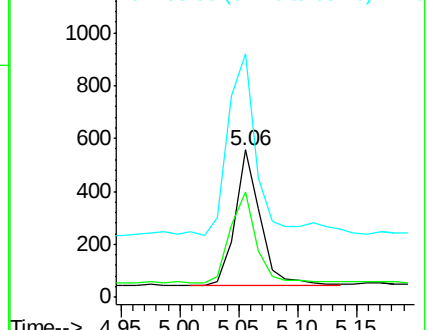
63 145.2 116.8 175.2



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: 0.113 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

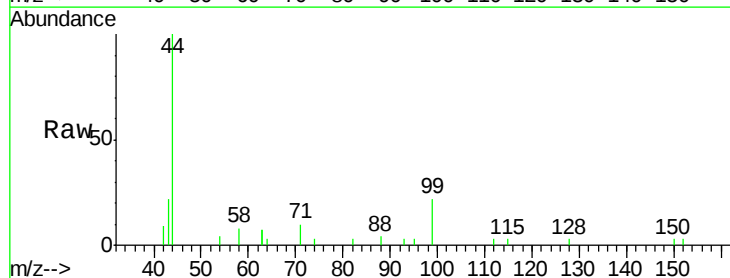
Tgt Ion: 99 Resp: 634

Ion Ratio Lower Upper

99 100

42 26.8 20.2 30.2

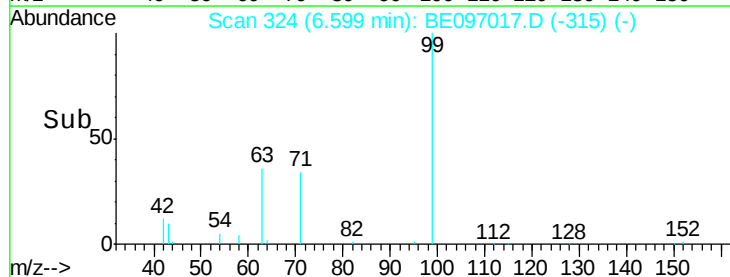
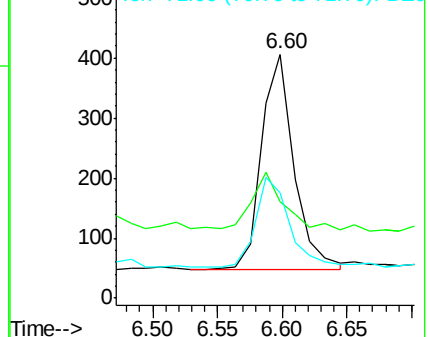
71 44.2 28.4 42.6#

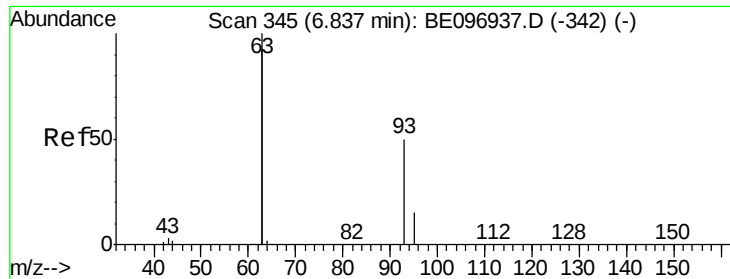


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.036 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

Instrument :

BNA_E

ClientSampleId :

GW03-071218

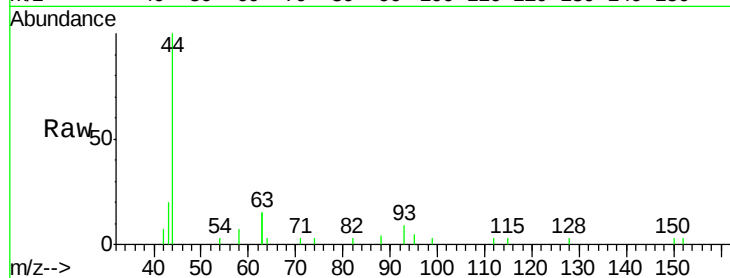
Tgt Ion: 93 Resp: 196

Ion Ratio Lower Upper

93 100

63 309.7 275.3 412.9

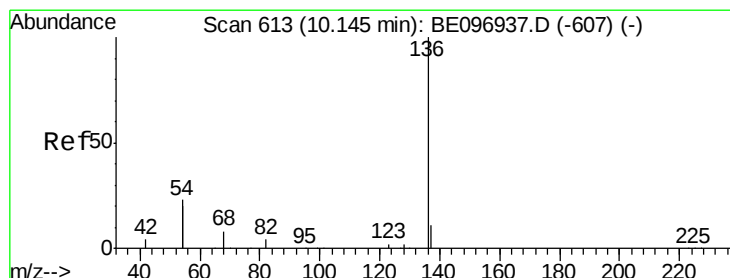
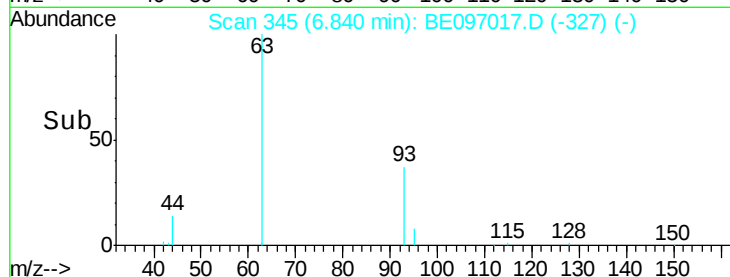
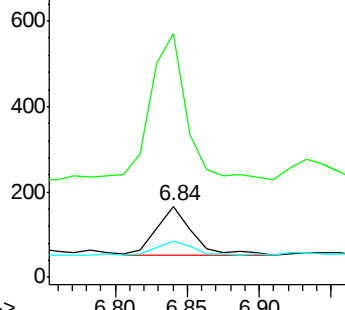
95 31.1 25.2 37.8



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: BE097017.D

Acq: 20 Jul 2018 6:36

Tgt Ion: 136 Resp: 7029

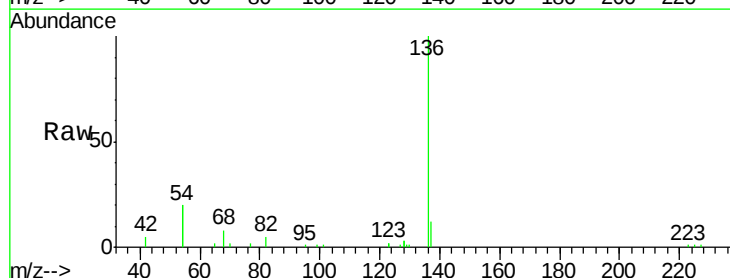
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 40.1 29.1 43.7

68 7.8 6.2 9.2

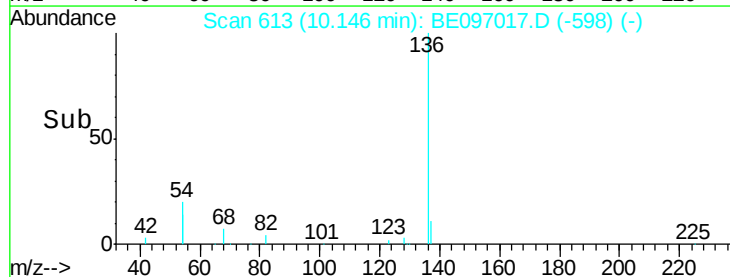
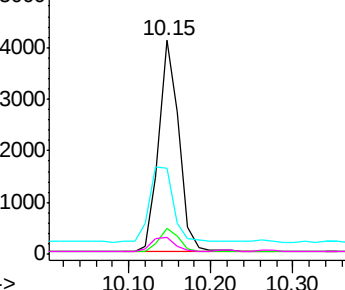


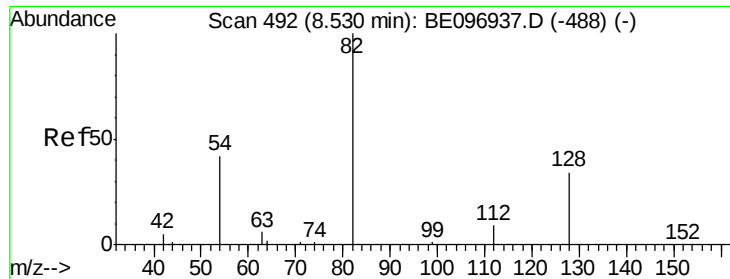
Abundance Ion 136.00 (135.70 to 136.70): E

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

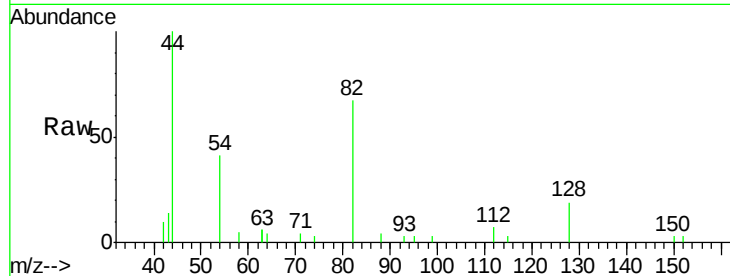




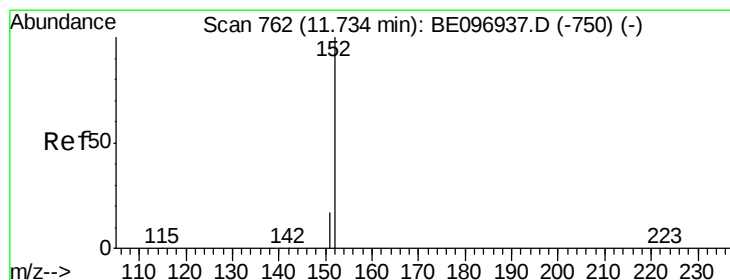
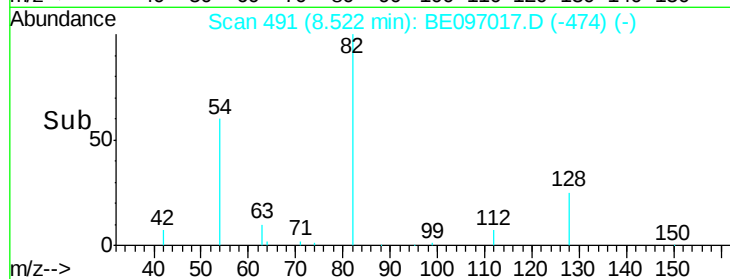
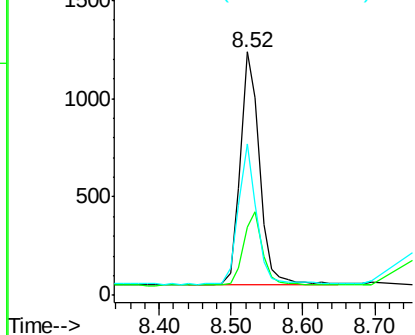
#8
 Nitrobenzene-d5
 Concen: 0.430 ng
 RT: 8.52 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BE097017.D
 Acq: 20 Jul 2018 6:36

Instrument :
 BNA_E
 ClientSampleId :
 GW03-071218

Tgt Ion	Ratio	Lower	Upper
82	100		
128	27.9	24.0	36.0
54	62.0	40.0	60.0

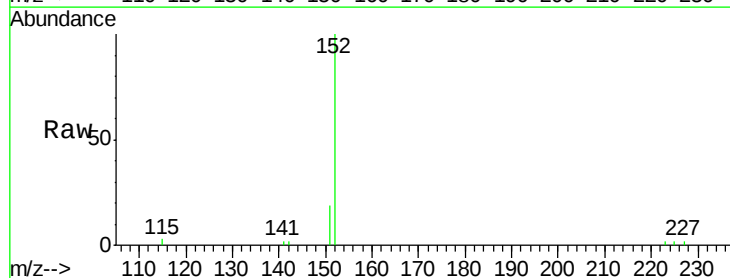


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

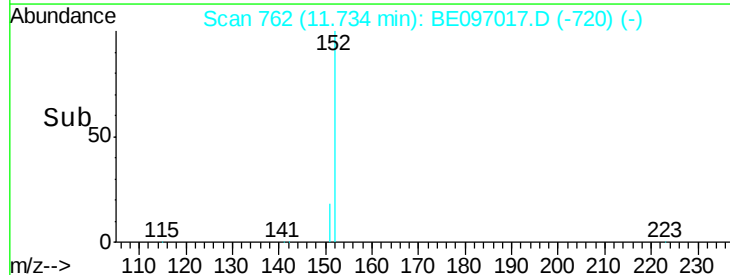
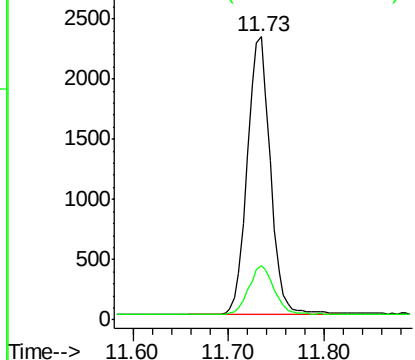


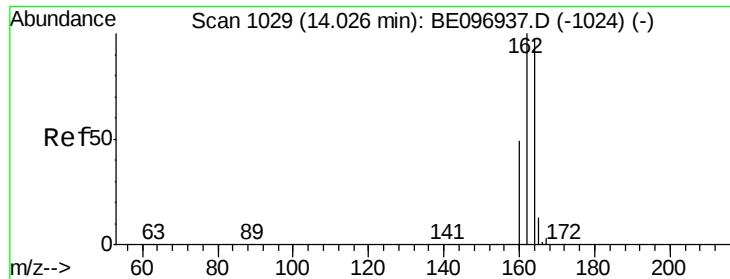
#11
 2-Methylnaphthalene-d10
 Concen: 0.380 ng
 RT: 11.73 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE097017.D
 Acq: 20 Jul 2018 6:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.4	23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0
 Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

Instrument :

BNA_E

ClientSampleId :

GW03-071218

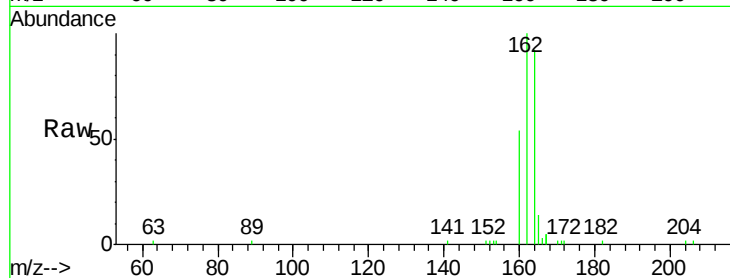
Tgt Ion:164 Resp: 4121

Ion Ratio Lower Upper

164 100

162 108.3 83.1 124.7

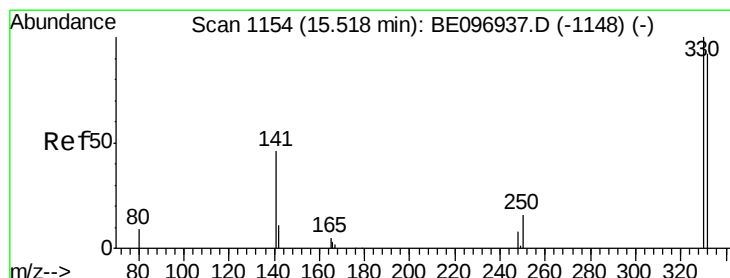
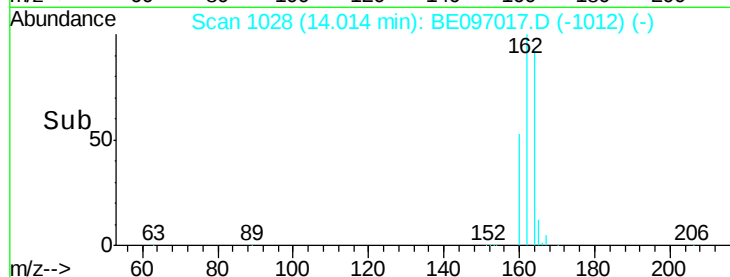
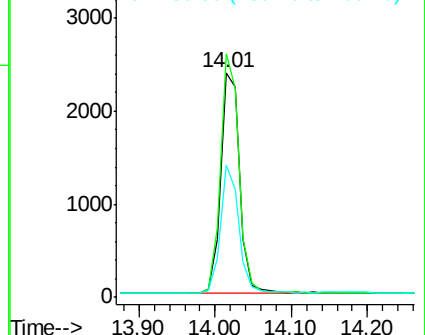
160 58.8 37.1 55.7#



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: 0.515 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

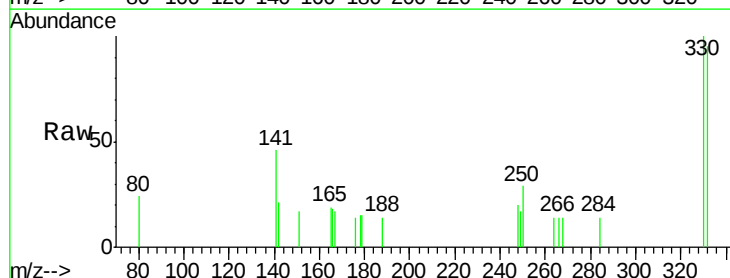
Tgt Ion:330 Resp: 486

Ion Ratio Lower Upper

330 100

332 96.9 152.7 229.1#

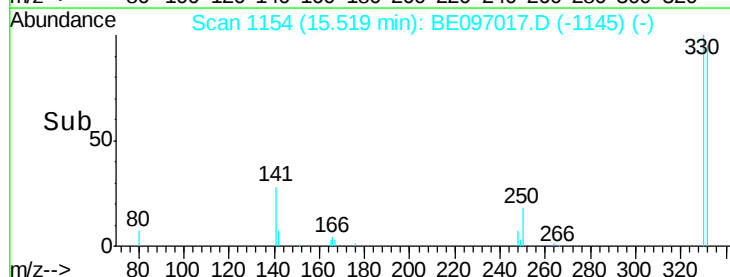
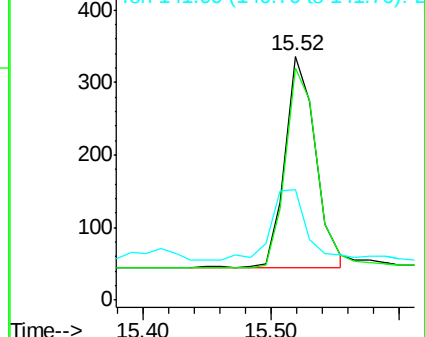
141 38.1 33.7 50.5

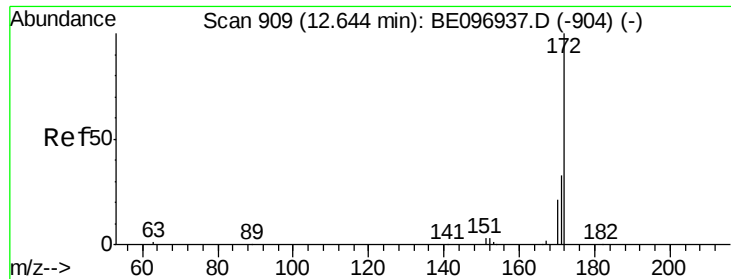


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

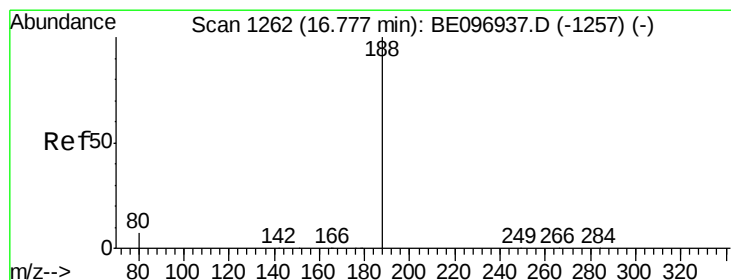
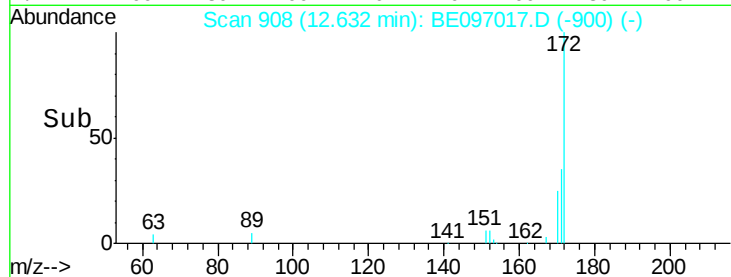
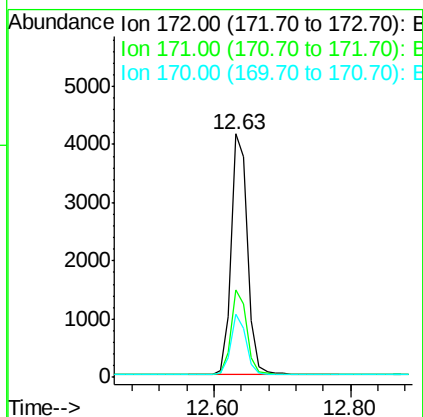
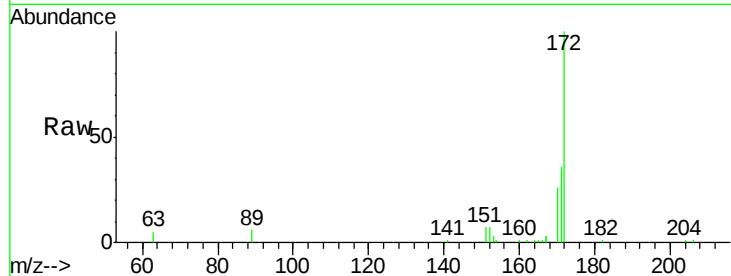




#15
2-Fluorobiphenyl
Concen: 0.459 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE097017.D
Acq: 20 Jul 2018 6:36

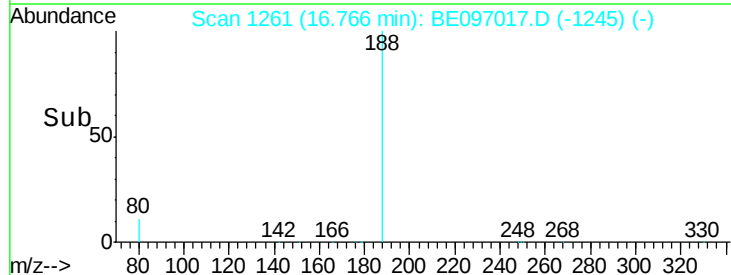
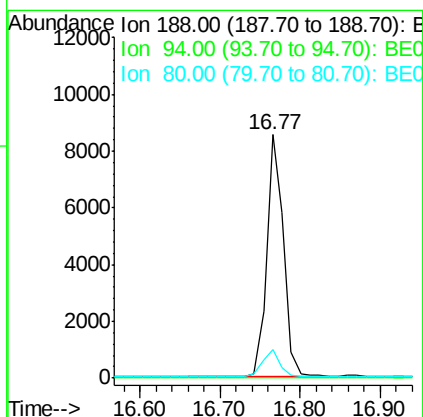
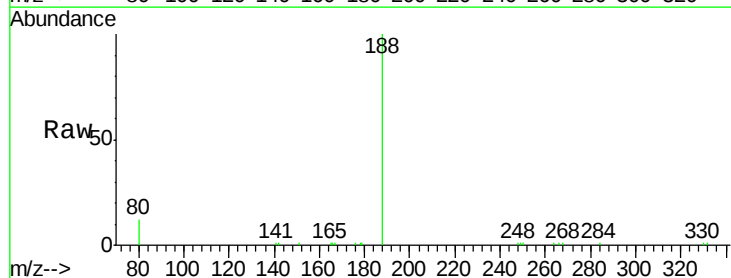
Instrument :
BNA_E
ClientSampleId :
GW03-071218

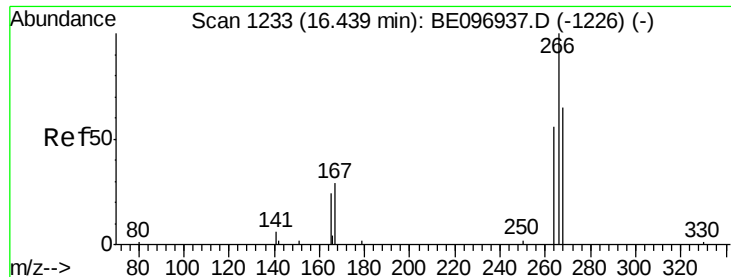
Tgt Ion:172 Resp: 7030
Ion Ratio Lower Upper
172 100
171 36.1 29.9 44.9
170 25.8 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BE097017.D
Acq: 20 Jul 2018 6:36

Tgt Ion:188 Resp: 12514
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.8 3.6 5.4#





#22

Pentachlorophenol

Concen: Below Cal

RT: 16.44 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

Instrument :

BNA_E

ClientSampleId :

GW03-071218

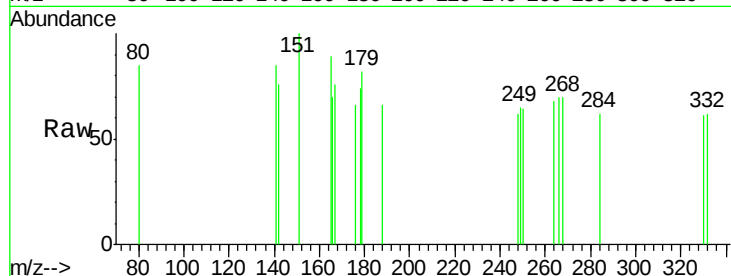
Tgt Ion: 266 Resp: 23

Ion Ratio Lower Upper

266 100

264 96.2 72.5 108.7

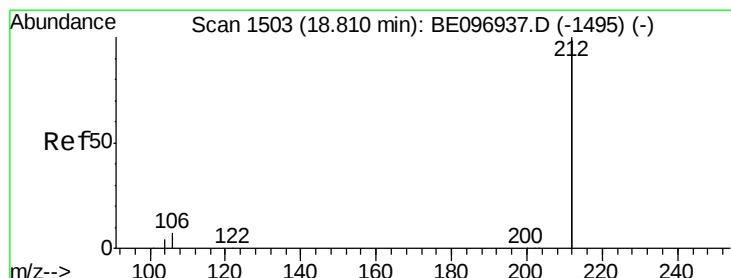
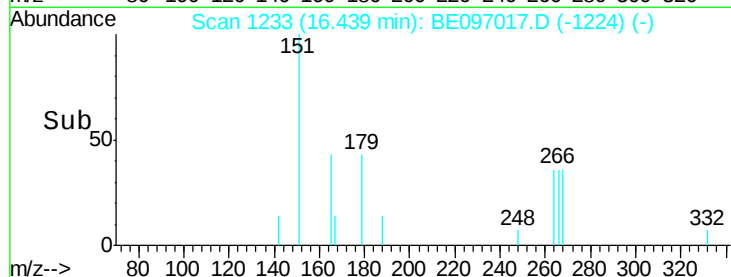
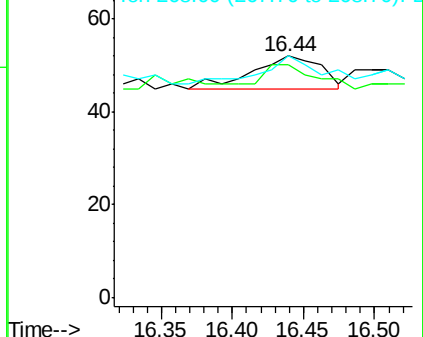
268 100.0 73.8 110.6



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: 0.541 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

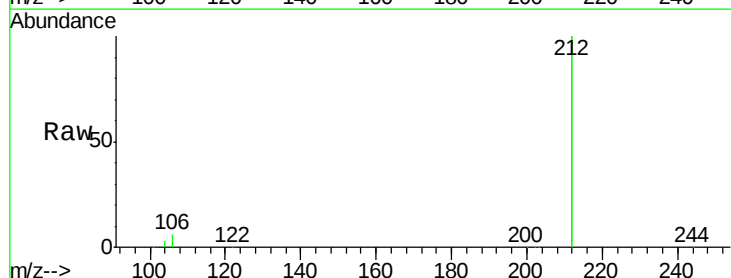
Tgt Ion: 212 Resp: 58940

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

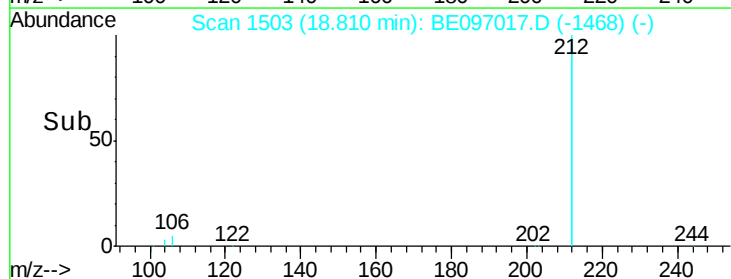
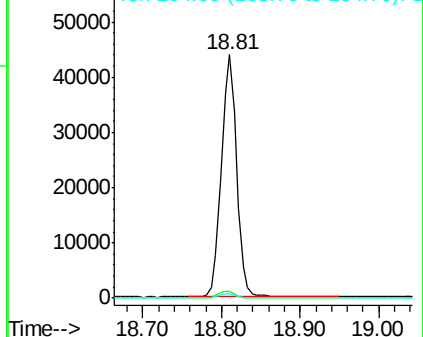
104 1.7 1.6 2.4

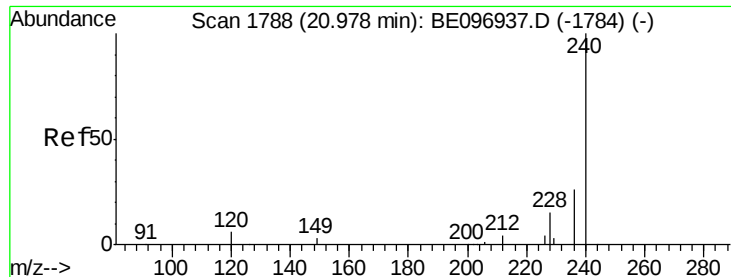


Abundance Ion 212.00 (211.70 to 212.70): E

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# 1788

Delta R.T. -0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

Instrument :

BNA_E

ClientSampleId :

GW03-071218

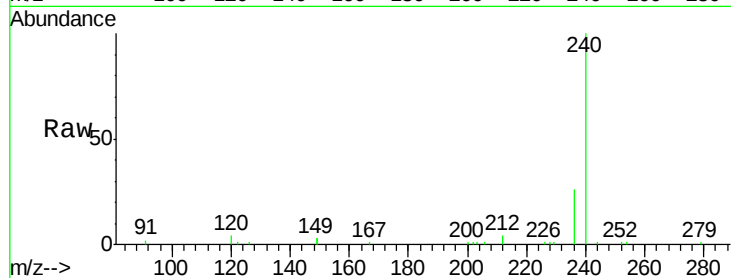
Tgt Ion:240 Resp: 12978

Ion Ratio Lower Upper

240 100

120 4.4 5.5 8.3#

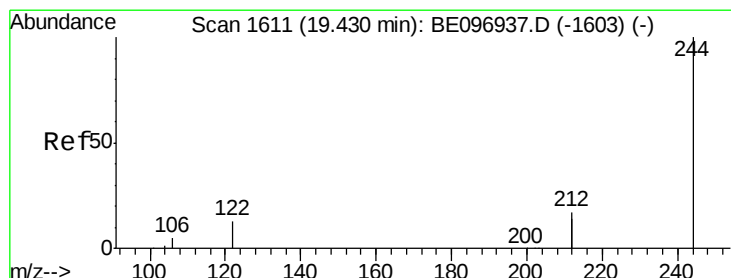
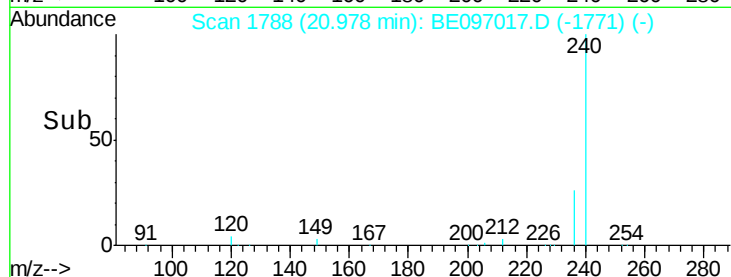
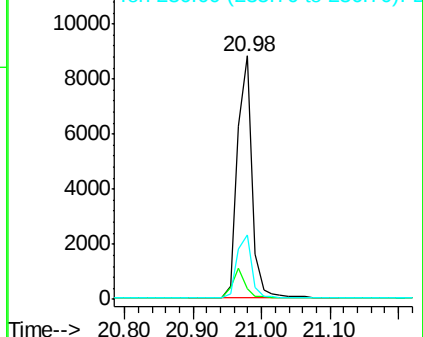
236 26.2 20.7 31.1



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: 0.569 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

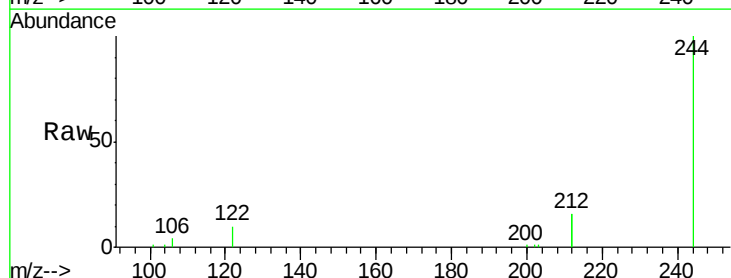
Tgt Ion:244 Resp: 14243

Ion Ratio Lower Upper

244 100

212 31.2 25.4 38.0

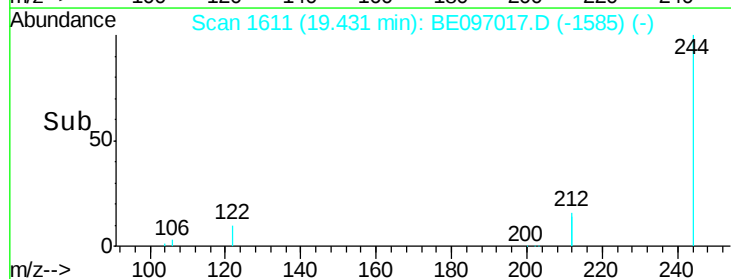
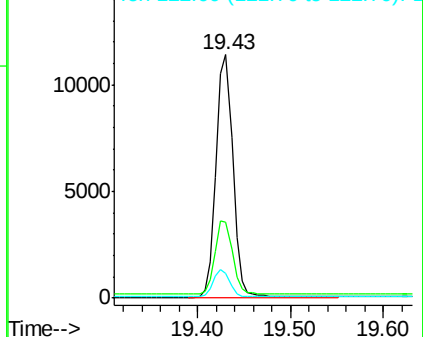
122 10.0 8.1 12.1

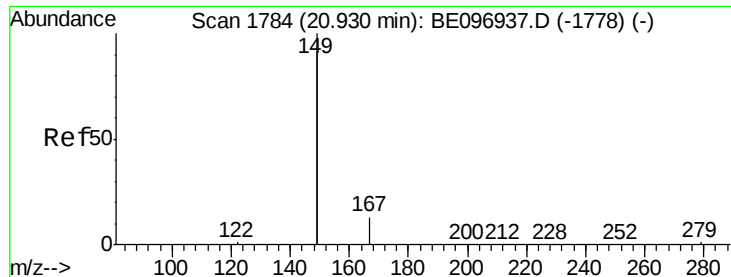


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

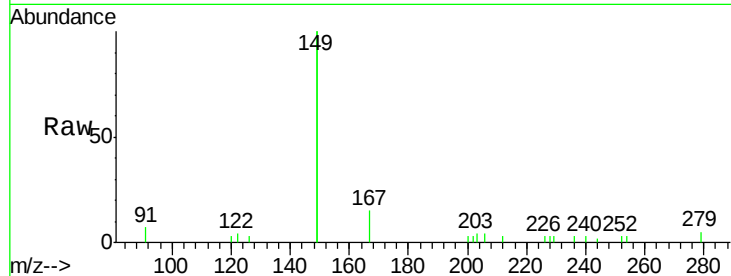




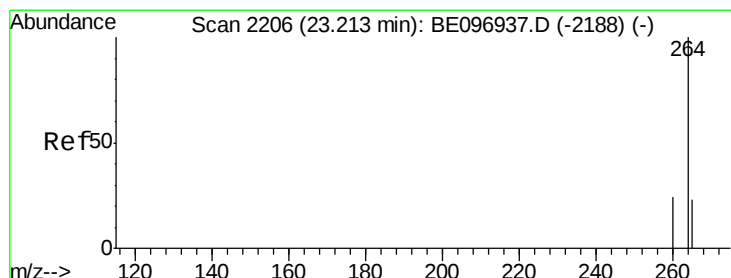
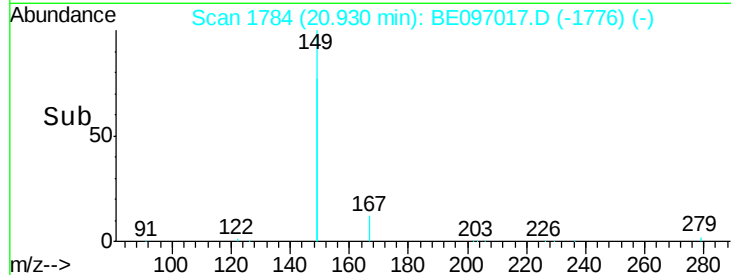
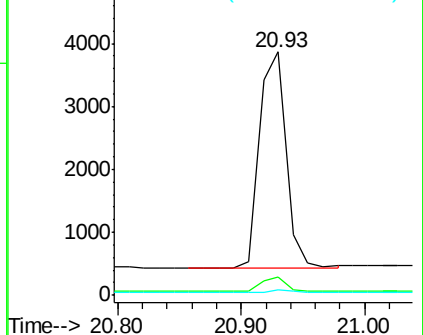
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.169 ng
 RT: 20.93 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BE097017.D
 Acq: 20 Jul 2018 6:36

Instrument :
 BNA_E
 ClientSampleId :
 GW03-071218

Tgt Ion:149 Resp: 5203
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.4 8.0
 279 1.1 0.7 1.1

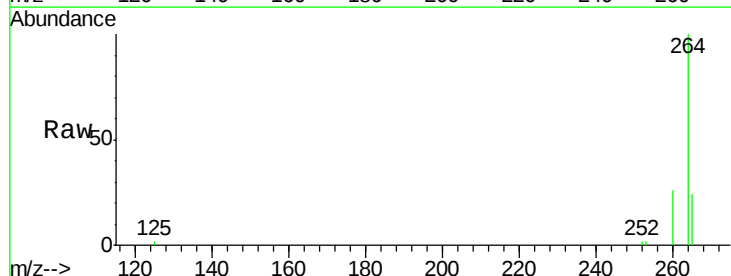


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

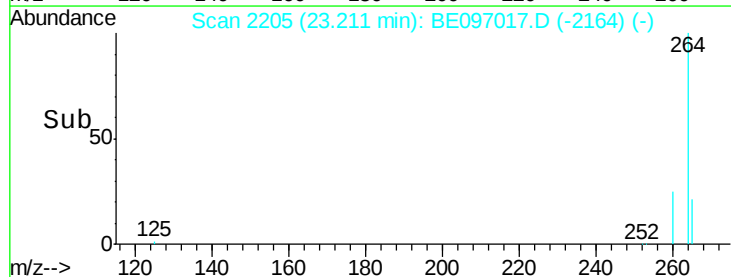
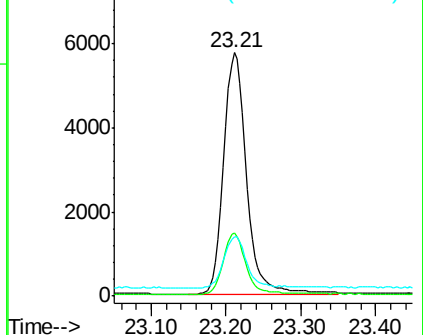


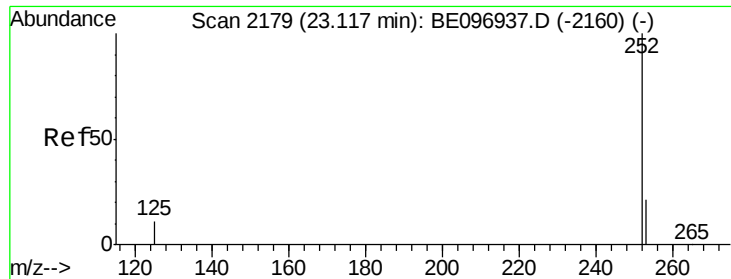
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE097017.D
 Acq: 20 Jul 2018 6:36

Tgt Ion:264 Resp: 12163
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 24.5 22.8 34.2



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





#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.11 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

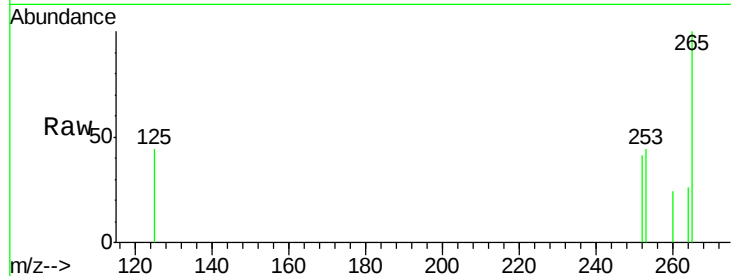
Instrument :

BNA_E

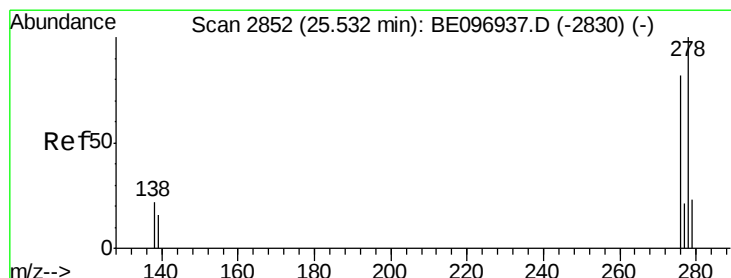
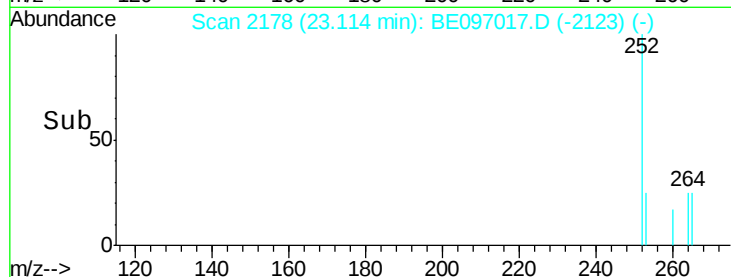
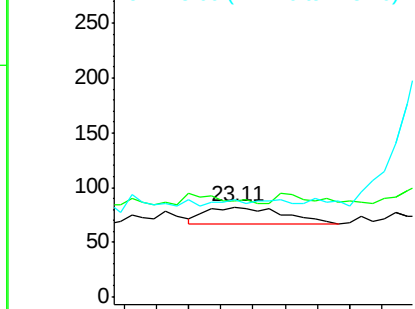
ClientSampleId :

GW03-071218

Tgt Ion:	252	Resp:	25
Ion	Ratio	Lower	Upper
252	100		
253	107.3	16.0	24.0#
125	108.5	12.0	18.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.119 ng

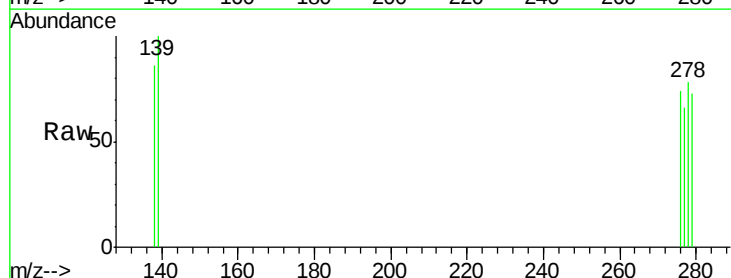
RT: 25.54 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BE097017.D

Acq: 20 Jul 2018 6:36

Tgt Ion:	278	Resp:	29
Ion	Ratio	Lower	Upper
278	100		
139	127.6	16.0	24.0#
279	93.1	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

