

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
 Data File : BE096946.D
 Acq On : 16 Jul 2018 20:09
 Operator : SJ/JU
 Sample : J3170-14DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118DL

Quant Time: Jul 17 16:42:38 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	7.40	152	2121	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	11233	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6196	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	14990	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	11692	0.40	ng	0.00
34) Perylene-d12	23.21	264	11939	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	213	0.04	ng	0.00
5) Phenol-d6	6.59	99	205	0.03	ng	-0.01
8) Nitrobenzene-d5	8.53	82	799	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	1567	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	126	0.13	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	2322	0.10	ng	0.00
25) Fluoranthene-d10	18.81	212	13128	0.10	ng	0.00
29) Terphenyl-d14	19.43	244	4615	0.20	ng	0.00

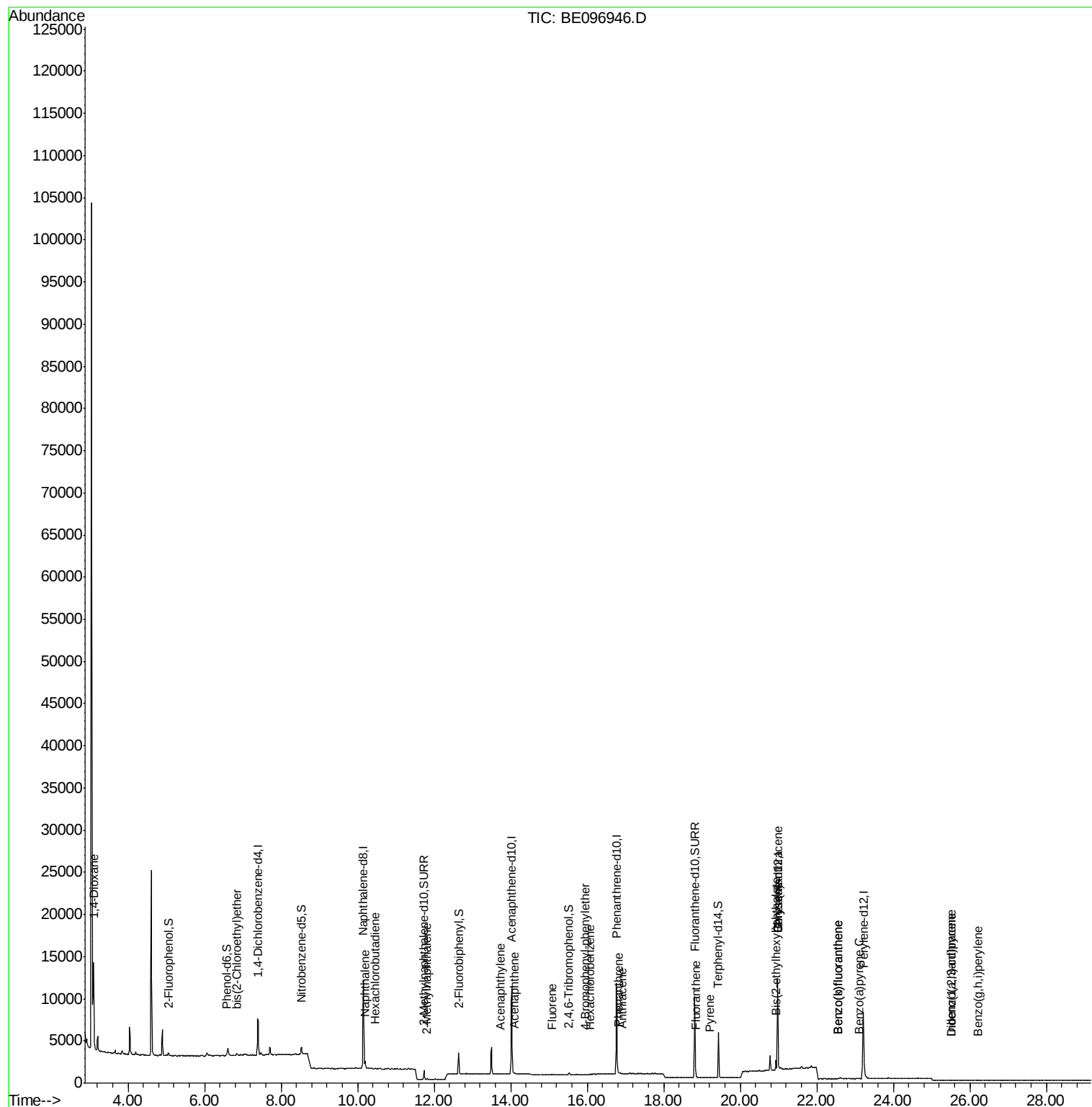
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	4830	1.591	ng	# 90
6) bis(2-Chloroethyl)ether	6.84	93	53	0.007	ng	# 56
9) Naphthalene	10.20	128	1406	0.014	ng	# 87
10) Hexachlorobutadiene	10.45	225	3	0.001	ng	# 1
12) 2-Methylnaphthalene	11.81	142	108	0.006	ng	# 80
16) Acenaphthylene	13.74	152	23	0.001	ng	# 61
17) Acenaphthene	14.08	154	9	0.001	ng	# 1
18) Fluorene	15.08	166	46	0.002	ng	# 79
20) 4-Bromophenyl-phenylether	15.94	248	6	0.001	ng	# 52
21) Hexachlorobenzene	16.08	284	8	0.001	ng	# 1
22) Pentachlorophenol	16.45	266	15	Below Cal		98
23) Phenanthrene	16.81	178	180	0.005	ng	# 68
24) Anthracene	16.91	178	13	0.000	ng	# 62
26) Fluoranthene	18.84	202	66	0.002	ng	97
28) Pyrene	19.21	202	44	0.001	ng	95
30) Benzo(a)anthracene	20.98	228	127	0.005	ng	# 9
31) Chrysene	20.98	228	96	0.003	ng	# 9
32) Bis(2-ethylhexyl)phthalate	20.93	149	1280	0.046	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	3	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.54	252	30	0.001	ng	# 1
36) Benzo(k)fluoranthene	22.54	252	30	0.001	ng	# 1
37) Benzo(a)pyrene	23.11	252	20	0.102	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	4	0.118	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	4	0.000	ng	# 1

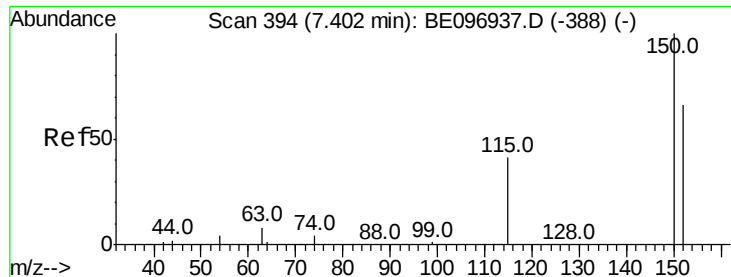
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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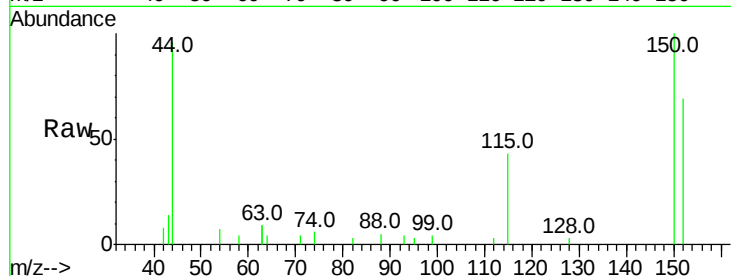


#1

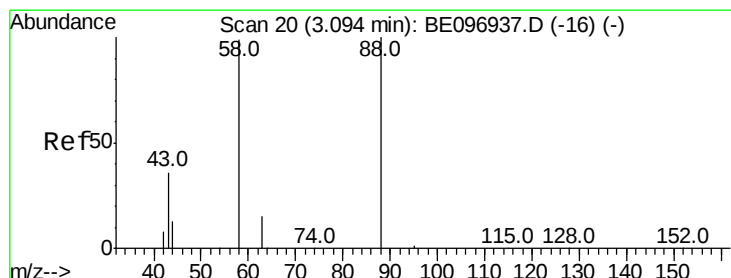
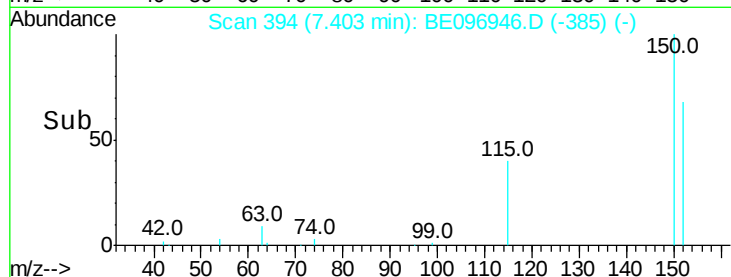
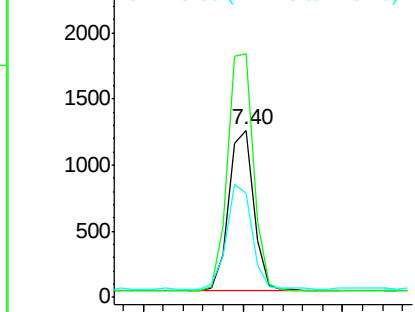
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

Instrument :
BNA_E
ClientSampleId :
GW02-071118DL

Tot Ion:152 Resp: 2121
Ion Ratio Lower Upper
152 100
150 145.5 117.2 175.8
115 61.8 57.0 85.6



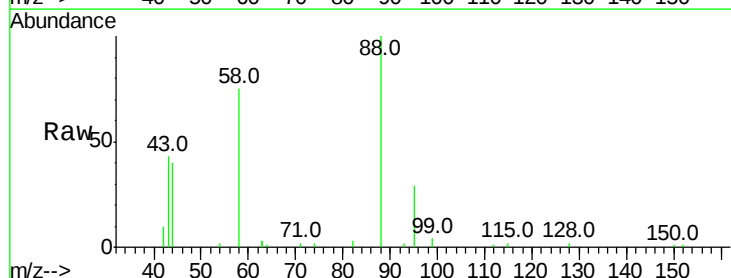
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



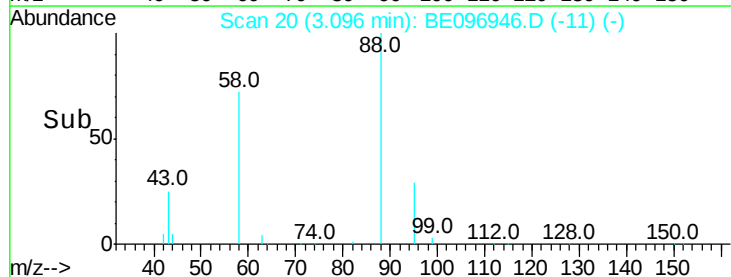
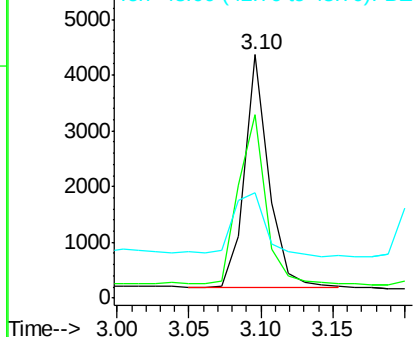
#2

1,4-Dioxane
Concen: 1.591 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

Tgt Ion: 88 Resp: 4830
Ion Ratio Lower Upper
88 100
58 82.2 63.2 94.8
43 37.0 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: 0.042 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

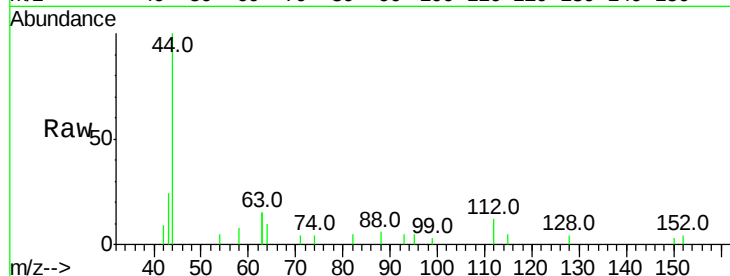
Tot Ion: 112 Resp: 213

Ion Ratio Lower Upper

112 100

64 72.8 60.1 90.1

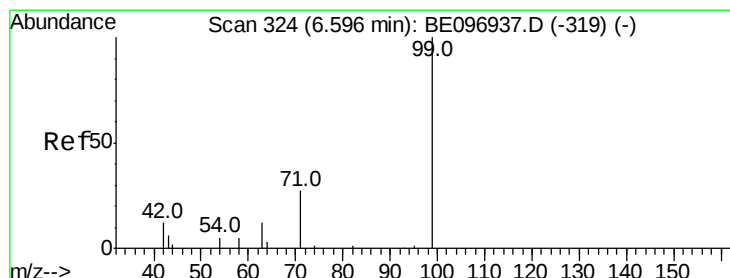
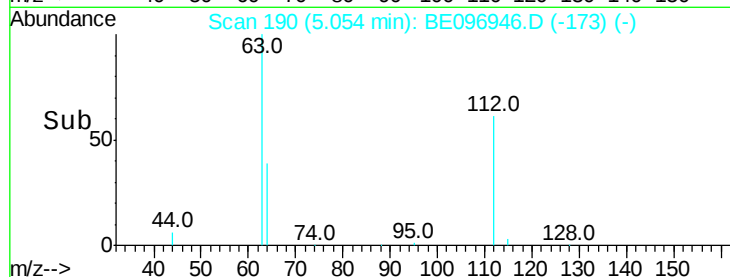
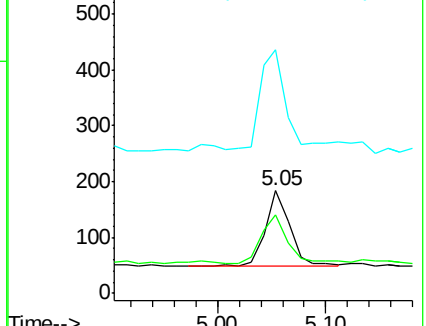
63 132.4 116.8 175.2



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: 0.026 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

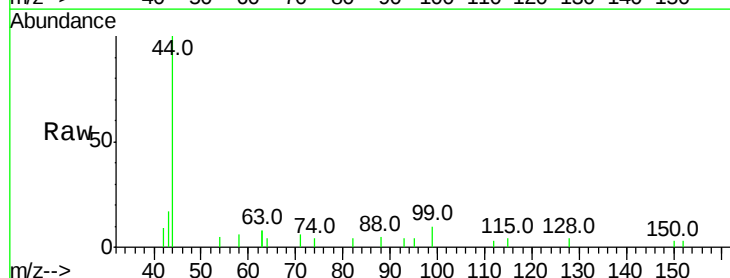
Tgt Ion: 99 Resp: 205

Ion Ratio Lower Upper

99 100

42 58.5 20.2 30.2#

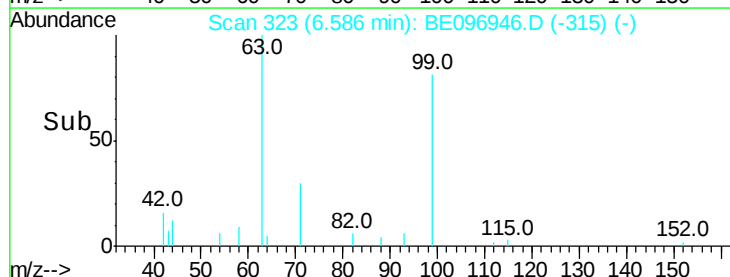
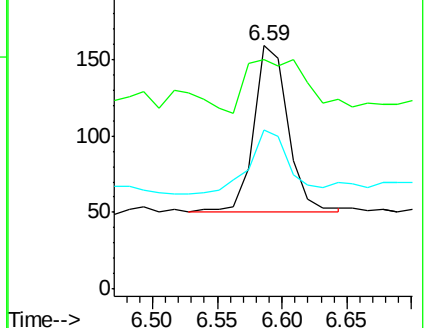
71 44.4 28.4 42.6#

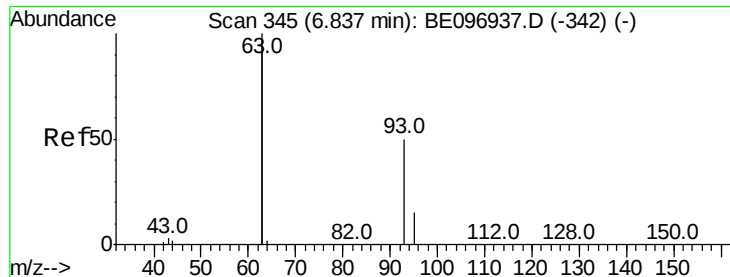


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.007 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

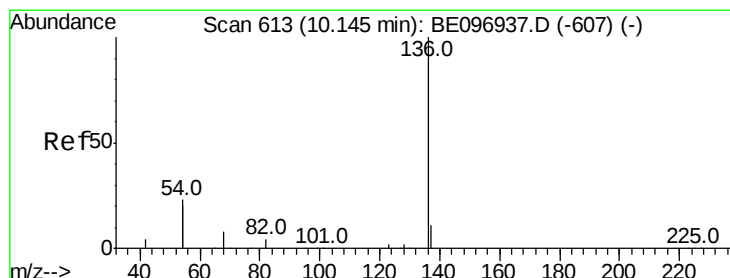
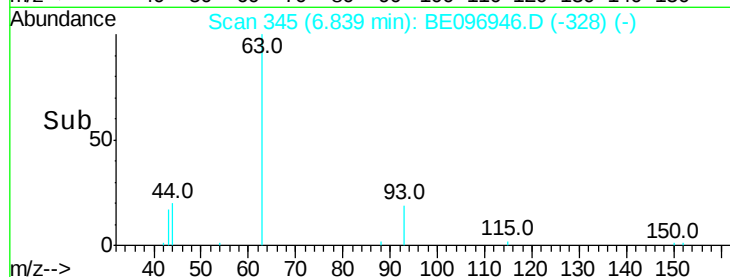
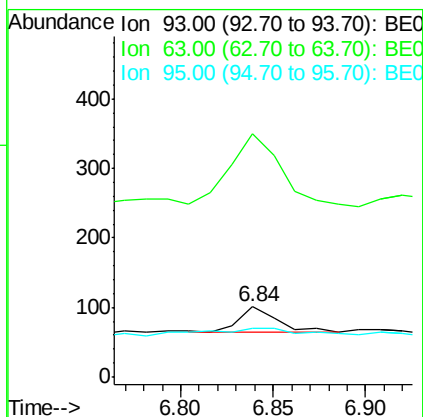
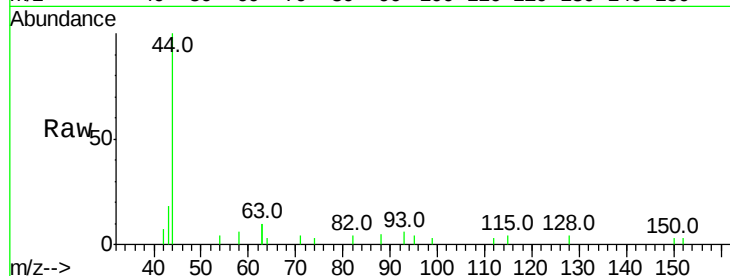
Tot Ion: 93 Resp: 53

Ion Ratio Lower Upper

93 100

63 430.2 275.3 412.9#

95 79.2 25.2 37.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Tgt Ion: 136 Resp: 11233

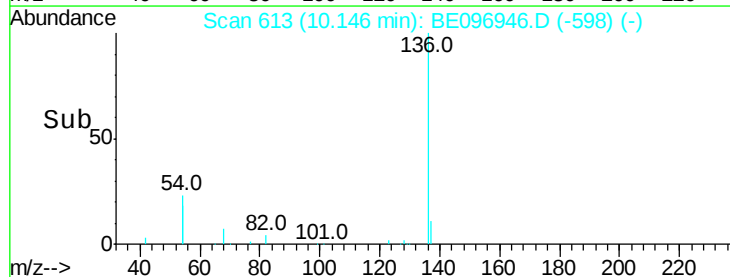
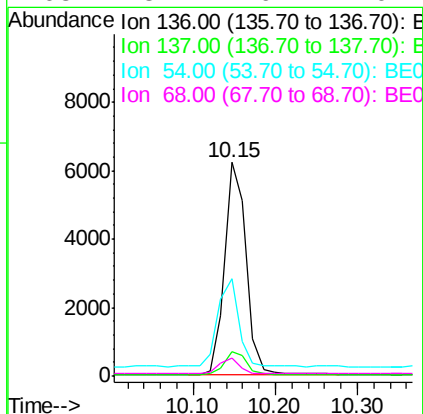
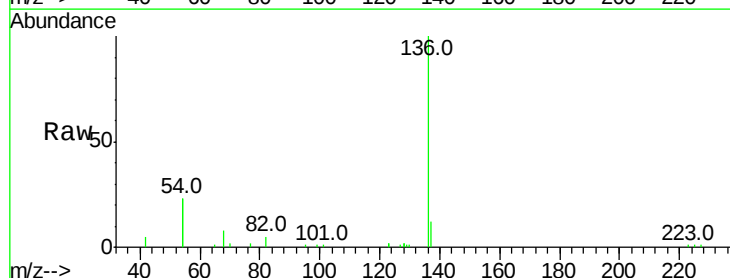
Ion Ratio Lower Upper

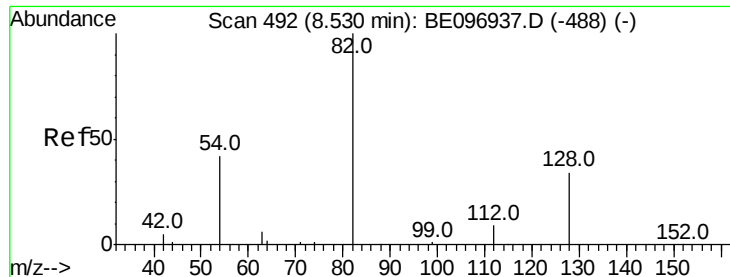
136 100

137 11.6 9.5 14.3

54 45.3 29.1 43.7#

68 8.4 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.098 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

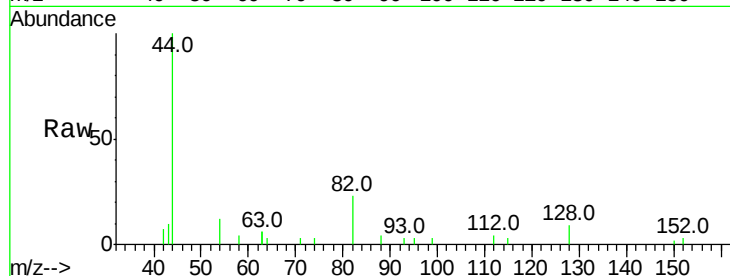
Tot Ion: 82 Resp: 799

Ion Ratio Lower Upper

82 100

128 39.6 24.0 36.0#

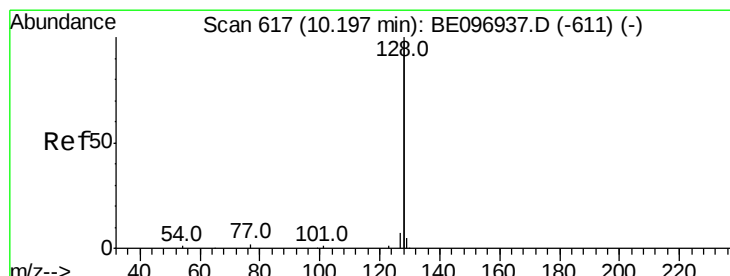
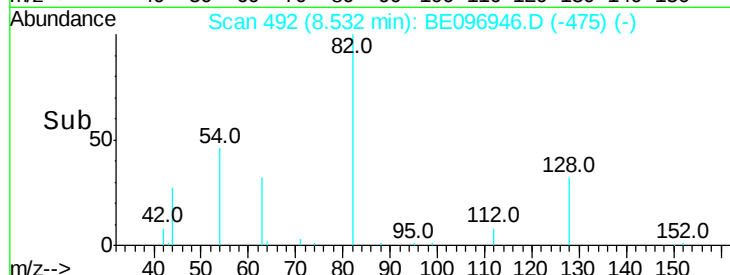
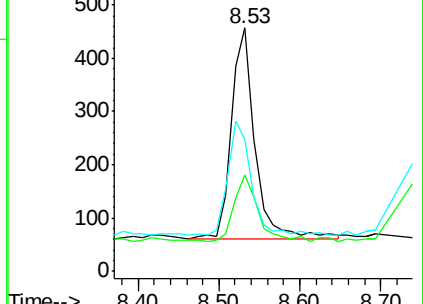
54 54.0 40.0 60.0



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



#9

Naphthalene

Concen: 0.014 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

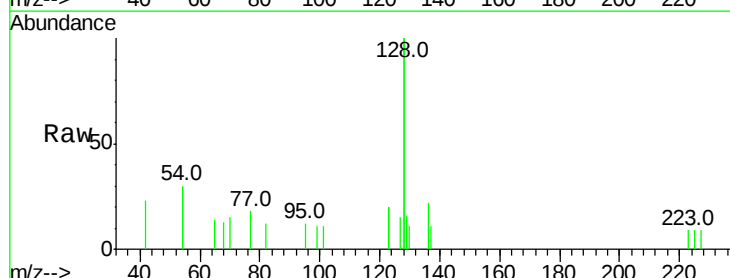
Tgt Ion:128 Resp: 1406

Ion Ratio Lower Upper

128 100

129 7.9 2.6 3.8#

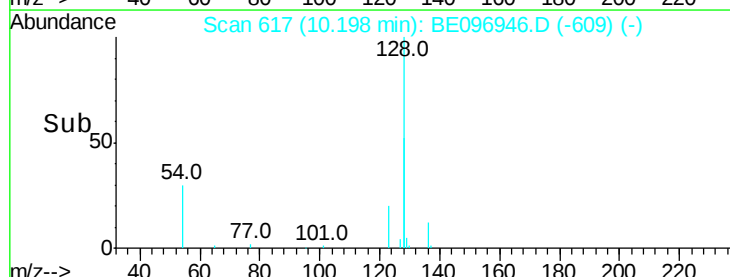
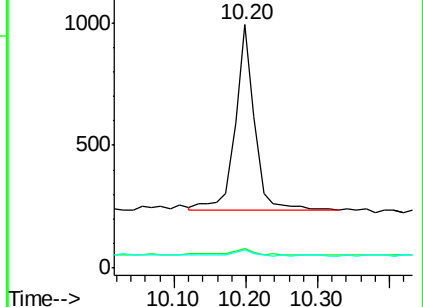
127 7.7 2.8 4.2#

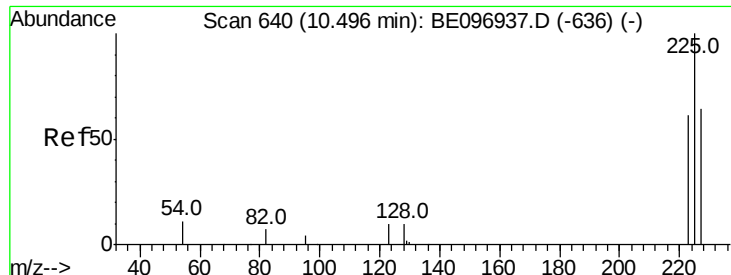


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

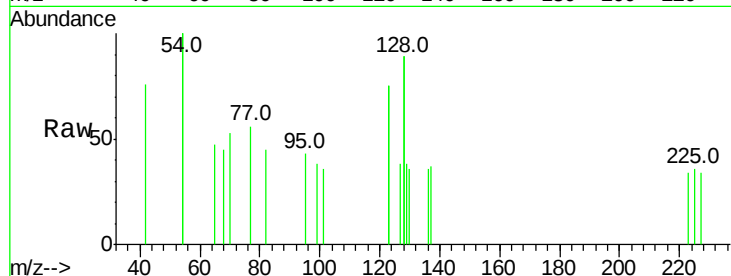




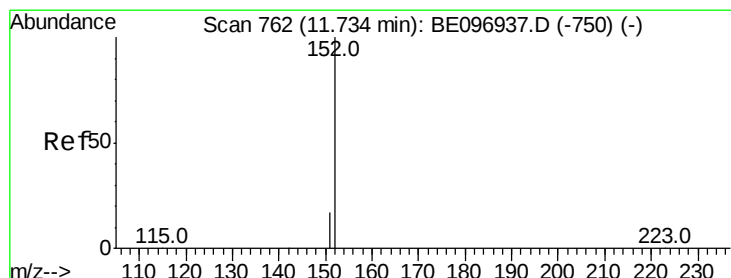
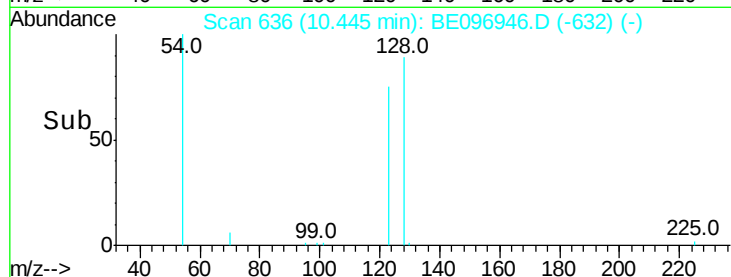
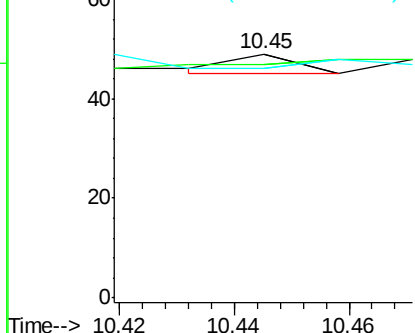
#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.45 min Scan# 636
Delta R.T. -0.05 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

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Tot Ion:225 Resp: 3
Ion Ratio Lower Upper
225 100
223 233.3 53.0 79.6#
227 166.7 51.4 77.2#

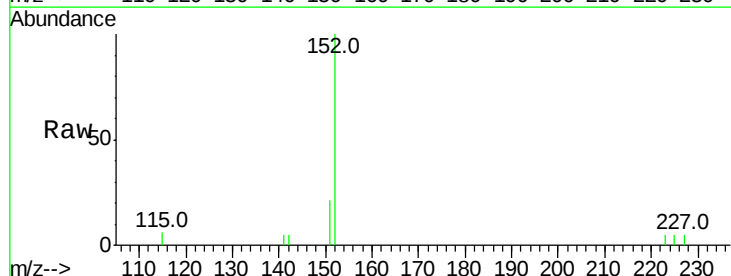


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

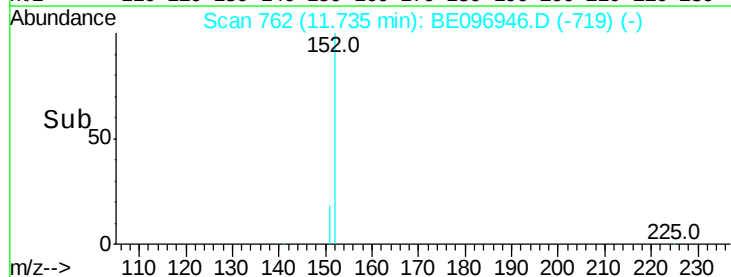
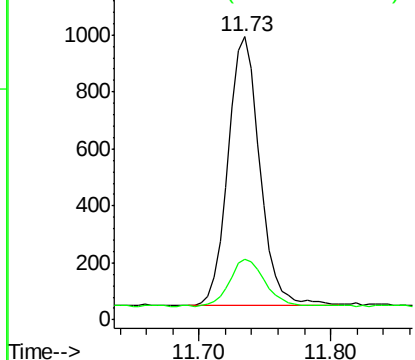


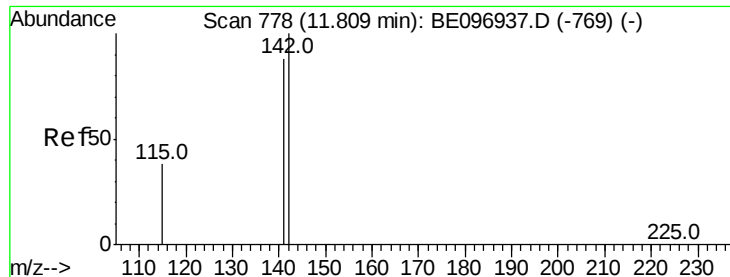
#11
2-Methylnaphthalene-d10
Concen: 0.096 ng
RT: 11.73 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

Tgt Ion:152 Resp: 1567
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





#12

2-Methylnaphthalene

Concen: 0.006 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

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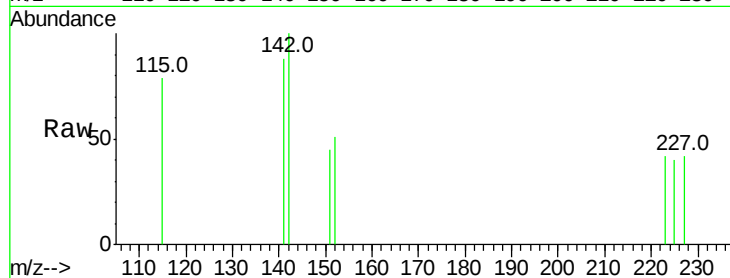
Tot Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

141 87.5 70.4 105.6

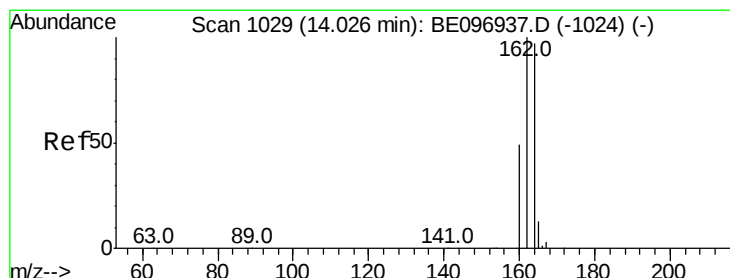
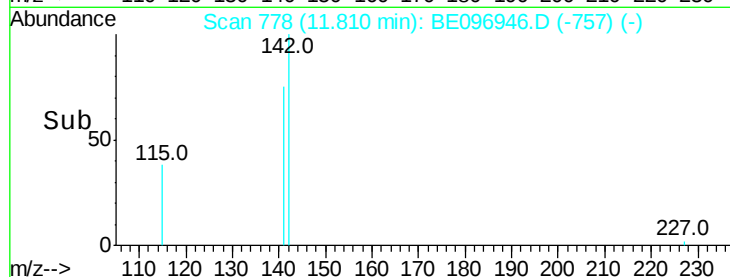
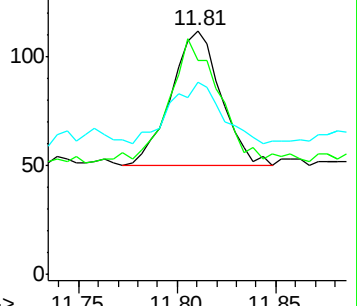
115 78.6 31.7 47.5#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

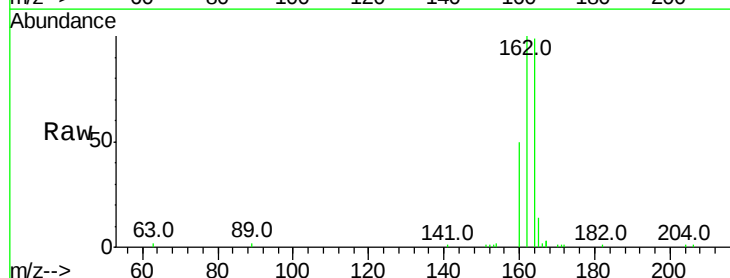
Tgt Ion:164 Resp: 6196

Ion Ratio Lower Upper

164 100

162 101.0 83.1 124.7

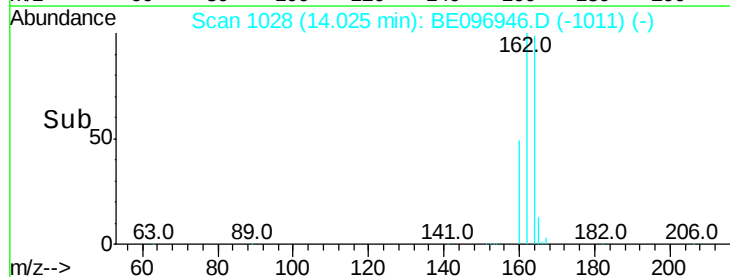
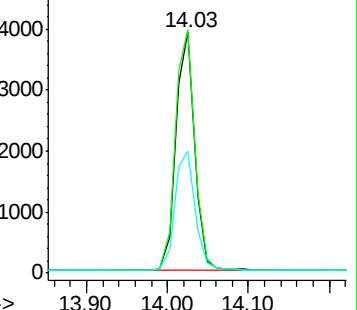
160 50.4 37.1 55.7

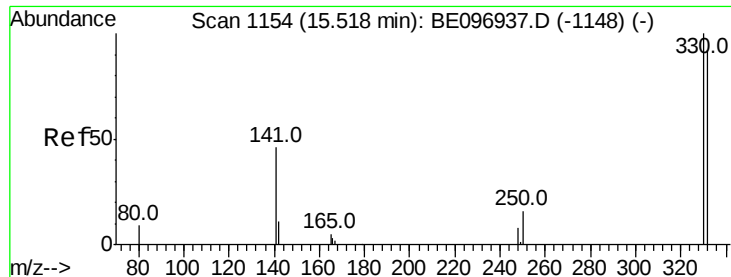


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

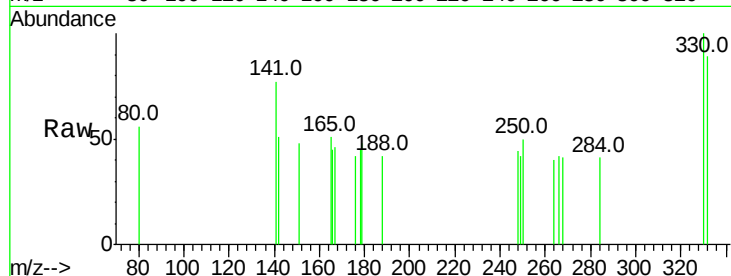




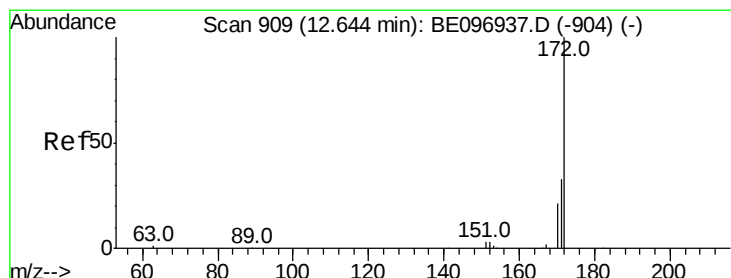
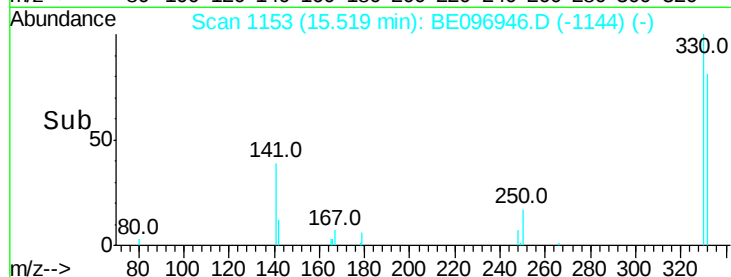
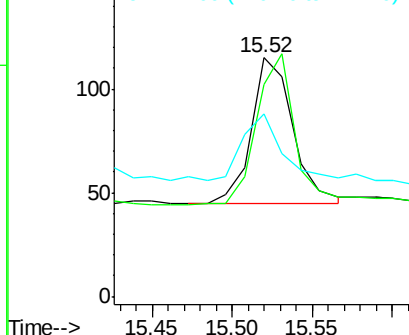
#14
 2,4,6-Tribromophenol
 Concen: 0.135 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE096946.D
 Acq: 16 Jul 2018 20:09

Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118DL

Tot Ion:330 Resp: 126
 Ion Ratio Lower Upper
 330 100
 332 96.8 152.7 229.1#
 141 43.7 33.7 50.5

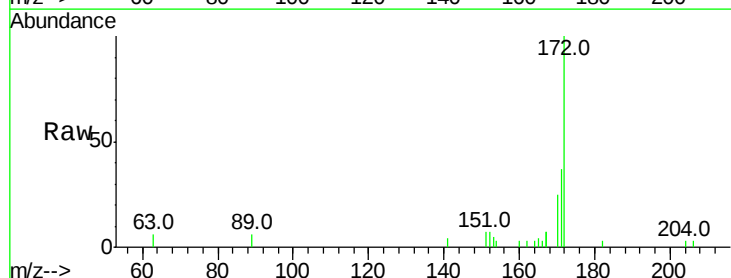


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

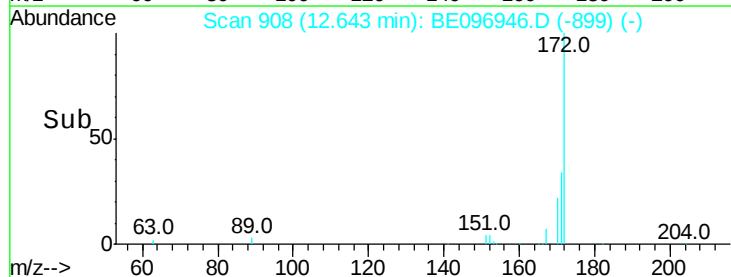
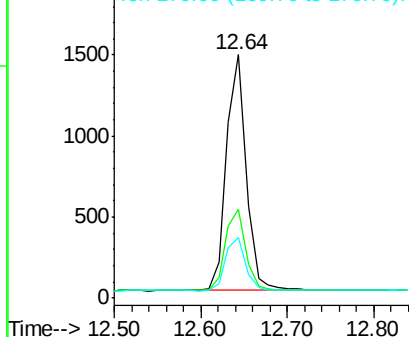


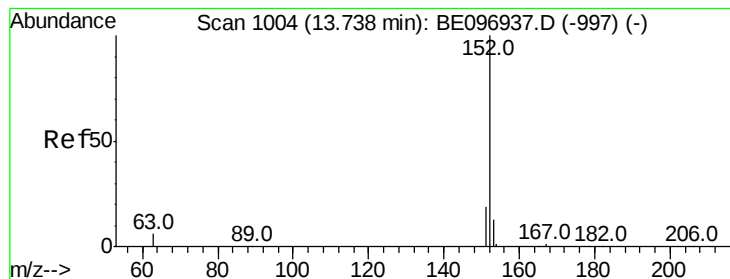
#15
 2-Fluorobiphenyl
 Concen: 0.101 ng
 RT: 12.64 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE096946.D
 Acq: 16 Jul 2018 20:09

Tgt Ion:172 Resp: 2322
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 24.9 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





#16

Acenaphthylene

Concen: 0.001 ng

RT: 13.74 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

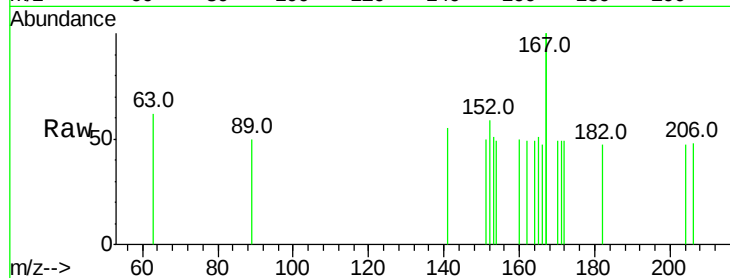
Tot Ion:152 Resp: 23

Ion Ratio Lower Upper

152 100

151 0.0 15.7 23.5#

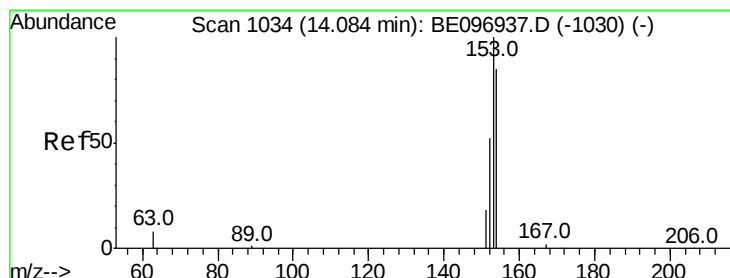
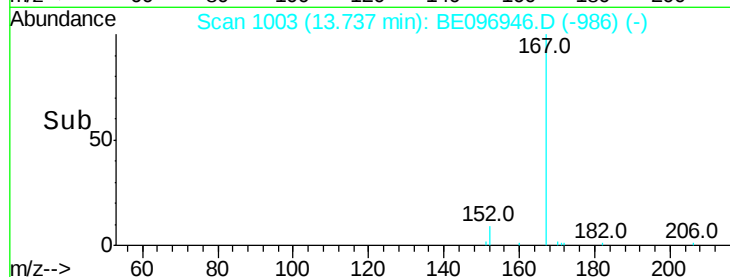
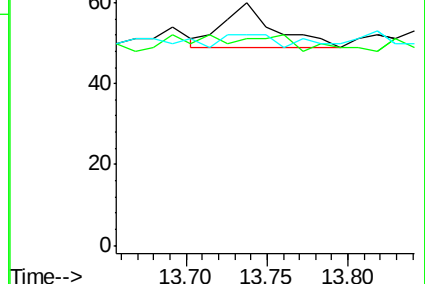
153 26.1 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.001 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

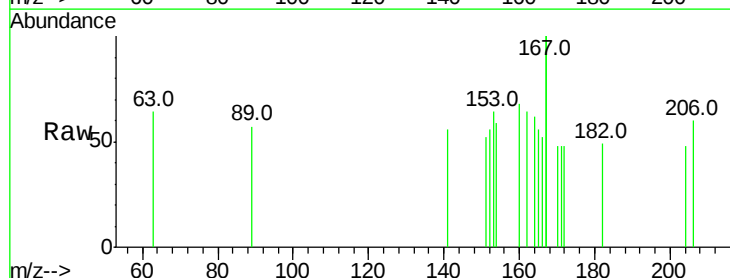
Tgt Ion:154 Resp: 9

Ion Ratio Lower Upper

154 100

153 277.8 89.2 133.8#

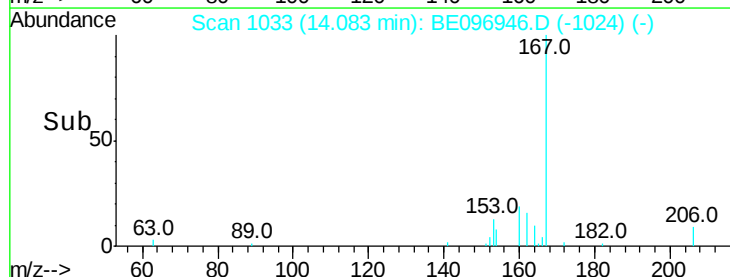
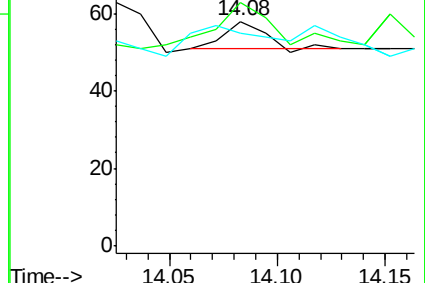
152 222.2 42.0 63.0#

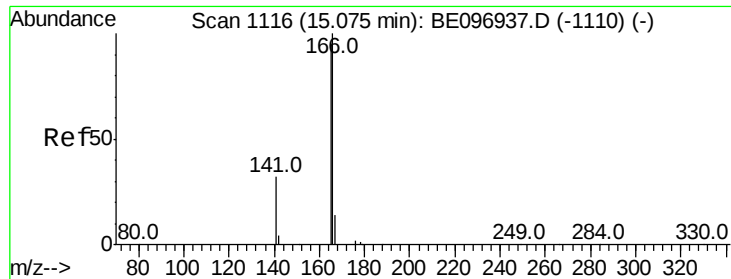


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.002 ng

RT: 15.08 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

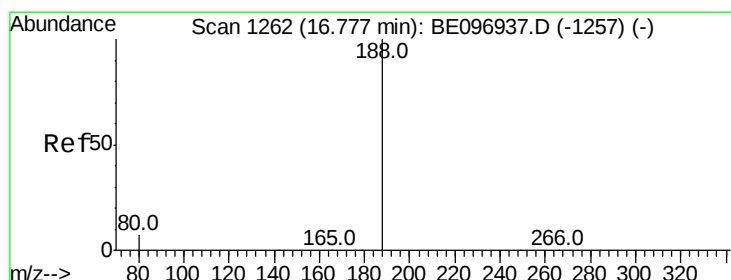
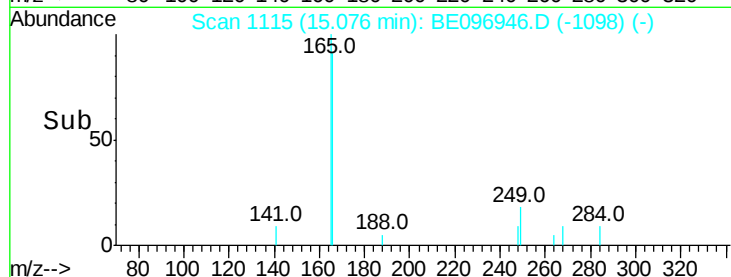
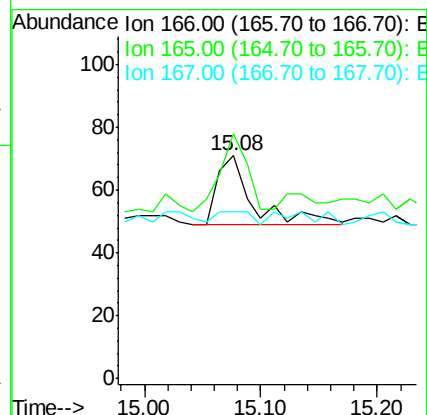
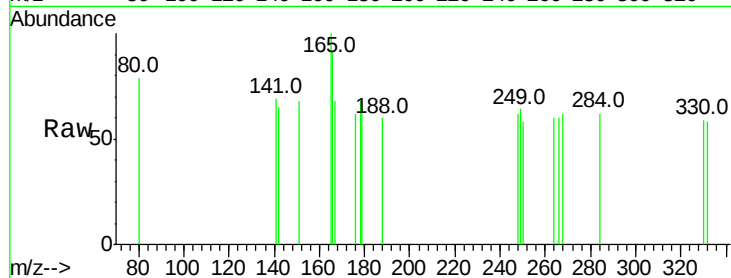
Tot Ion:166 Resp: 46

Ion Ratio Lower Upper

166 100

165 89.1 77.8 116.6

167 21.7 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

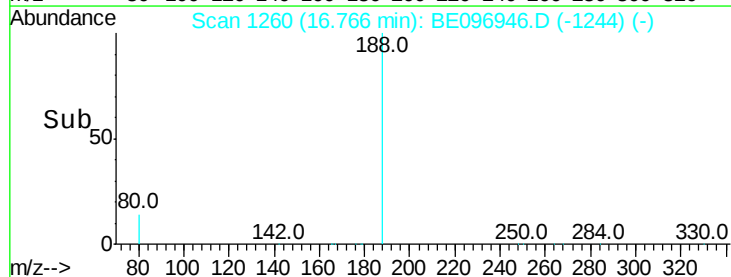
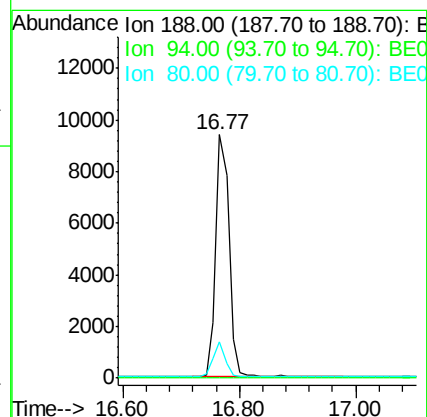
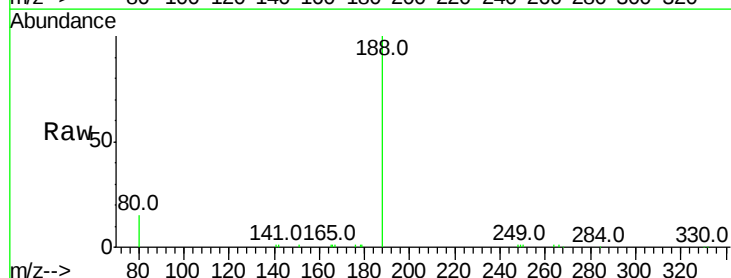
Tgt Ion:188 Resp: 14990

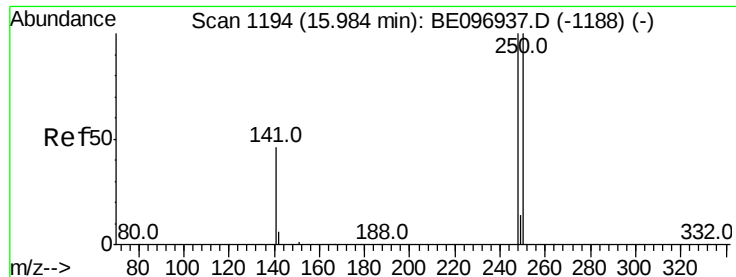
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.7 3.6 5.4#

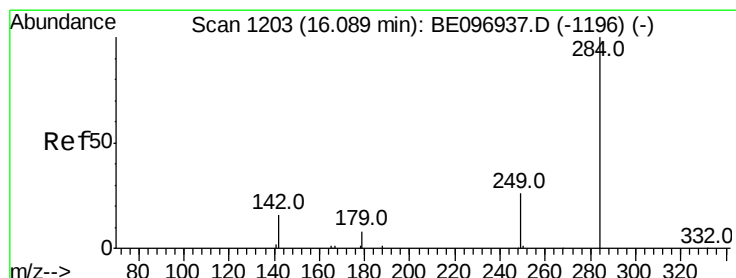
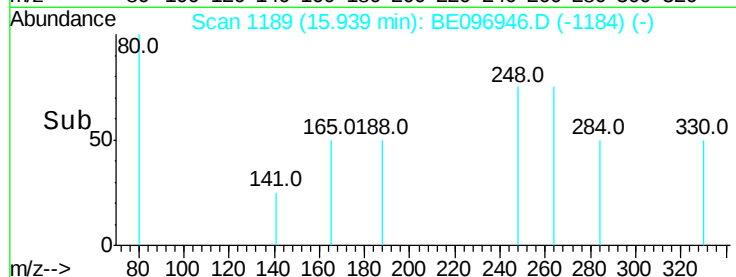
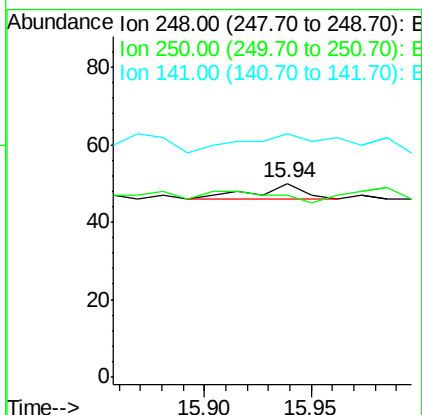
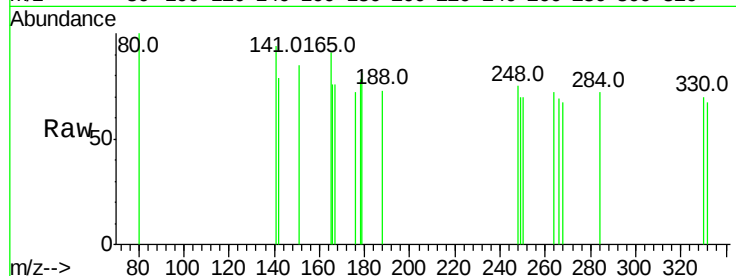




#20
4-Bromophenyl-phenylether
Concen: 0.001 ng
RT: 15.94 min Scan# 1189
Delta R.T. -0.05 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

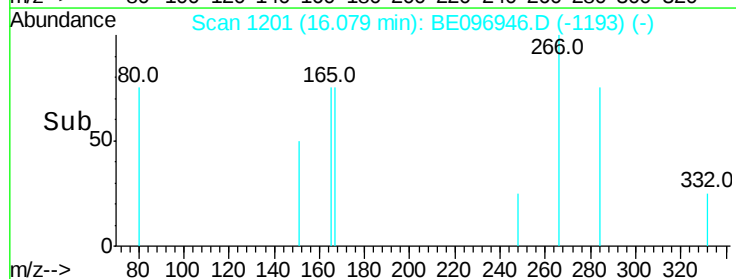
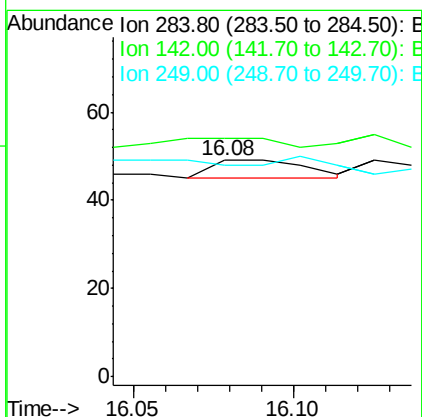
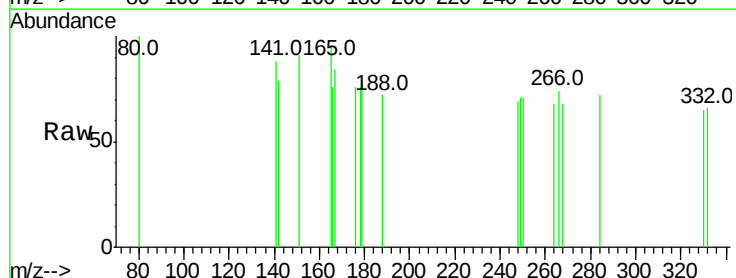
Instrument :
BNA_E
ClientSampleID :
GW02-071118DL

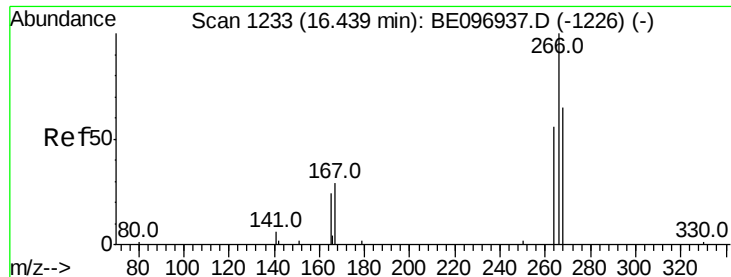
Tot Ion:248 Resp: 6
Ion Ratio Lower Upper
248 100
250 94.0 62.7 94.1
141 126.0 48.2 72.2#



#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

Tgt Ion:284 Resp: 8
Ion Ratio Lower Upper
284 100
142 125.0 22.1 33.1#
249 0.0 34.8 52.2#

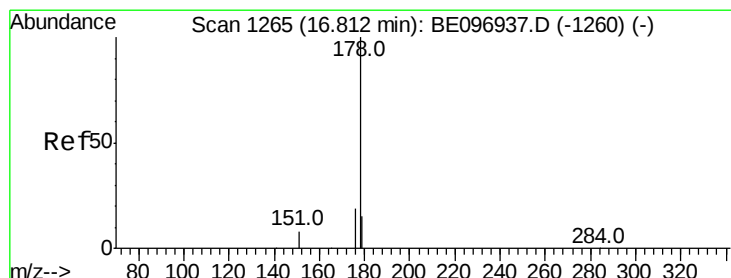
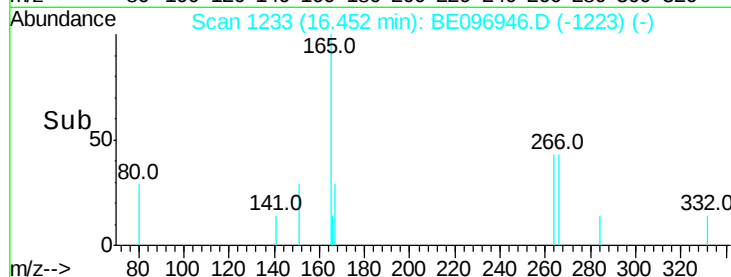
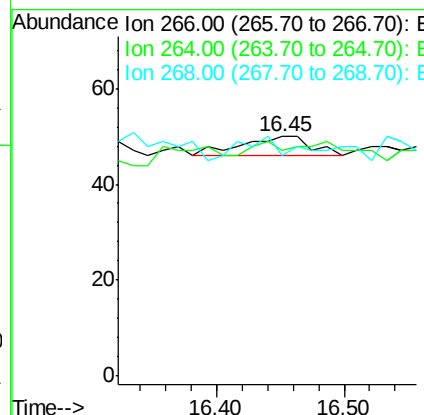
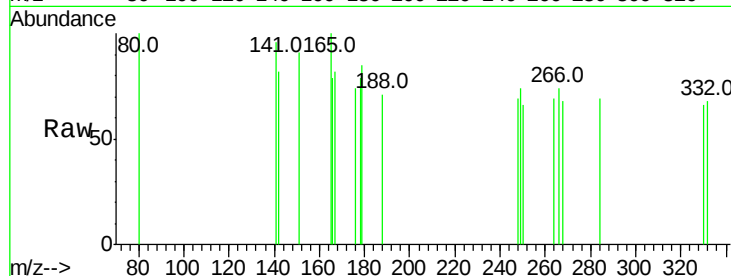




#22
 Pentachlorophenol
 Concen: Below Cal
 RT: 16.45 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BE096946.D
 Acq: 16 Jul 2018 20:09

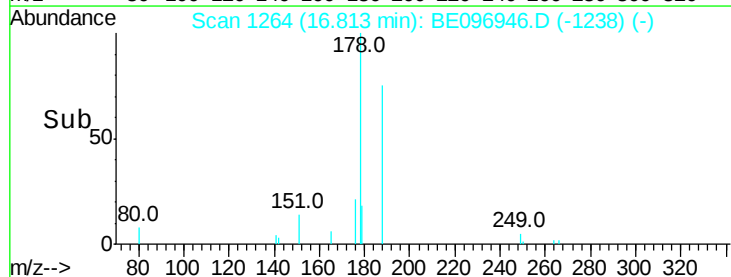
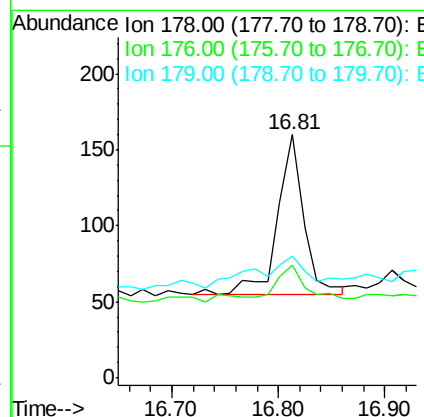
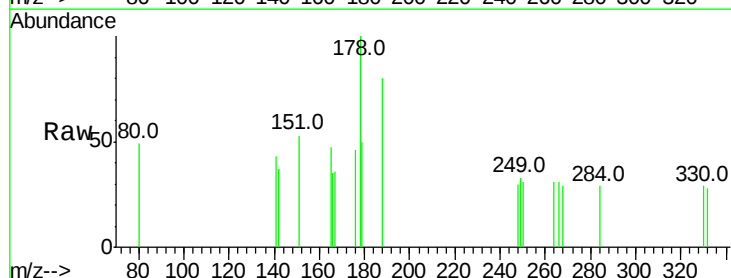
Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118DL

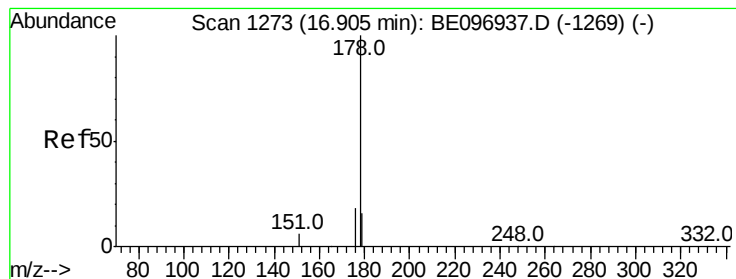
Tot Ion:266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 94.0 72.5 108.7
 268 92.0 73.8 110.6



#23
 Phenanthrene
 Concen: 0.005 ng
 RT: 16.81 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: BE096946.D
 Acq: 16 Jul 2018 20:09

Tgt Ion:178 Resp: 180
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.1 22.7
 179 42.2 11.8 17.6#





#24

Anthracene

Concen: 0.000 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

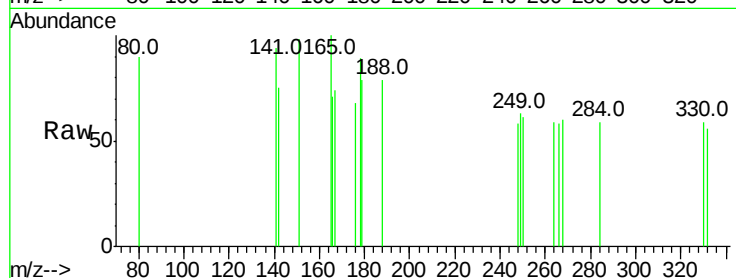
Tot Ion:178 Resp: 13

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

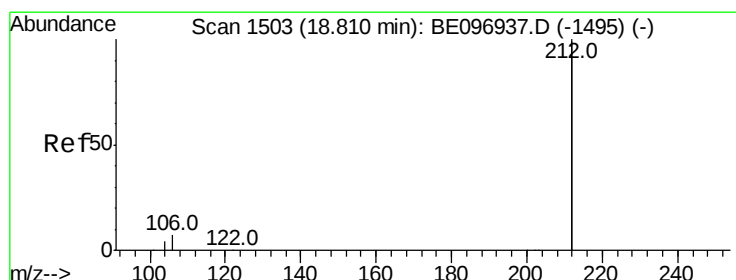
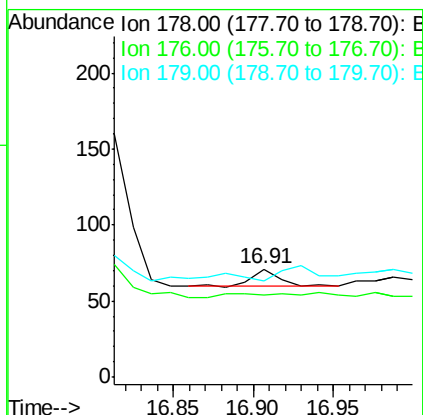
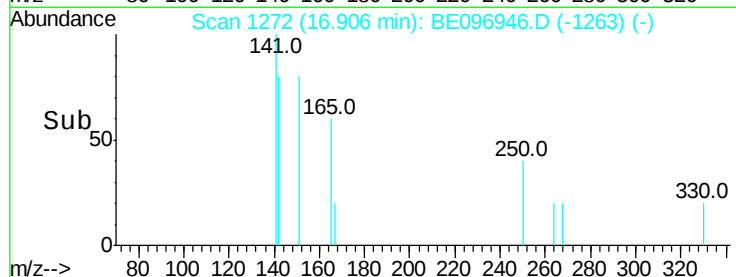
179 0.0 13.0 19.6#



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



#25

Fluoranthene-d10

Concen: 0.101 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

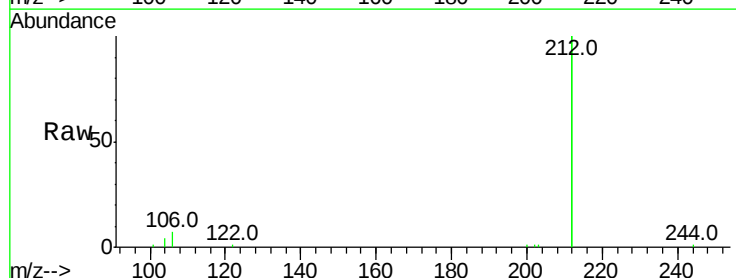
Tgt Ion:212 Resp: 13128

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

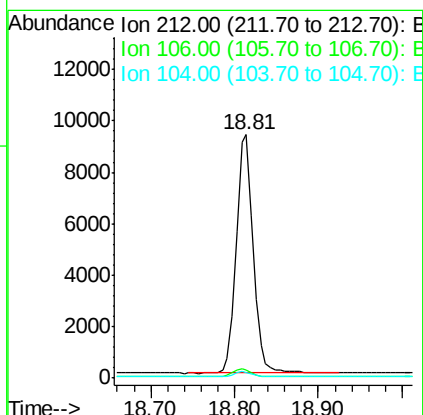
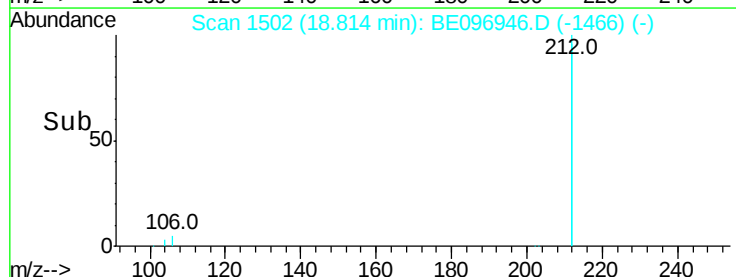
104 2.0 1.6 2.4

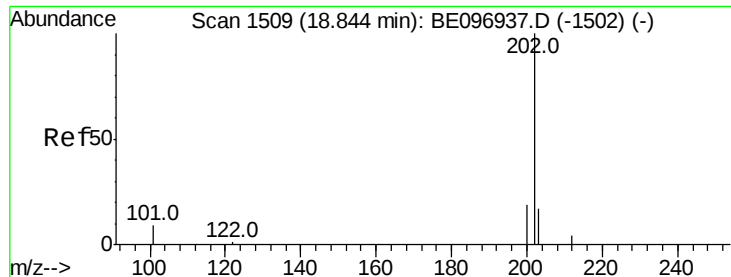


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.002 ng

RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

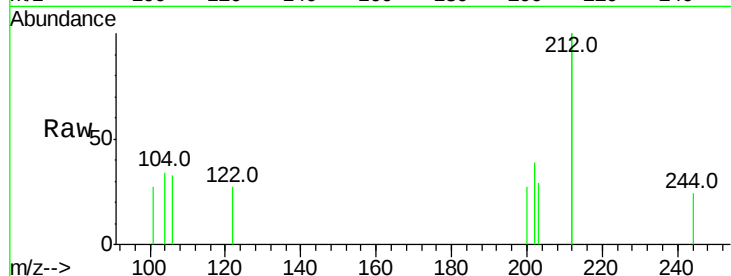
Tot Ion:202 Resp: 66

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

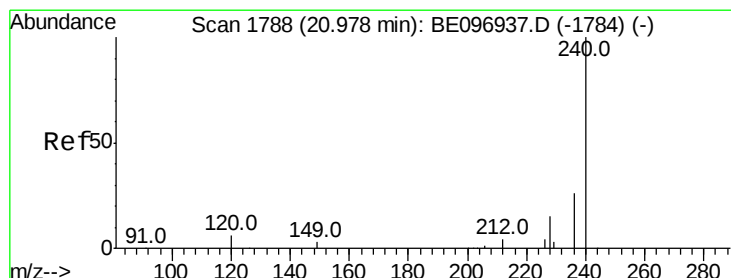
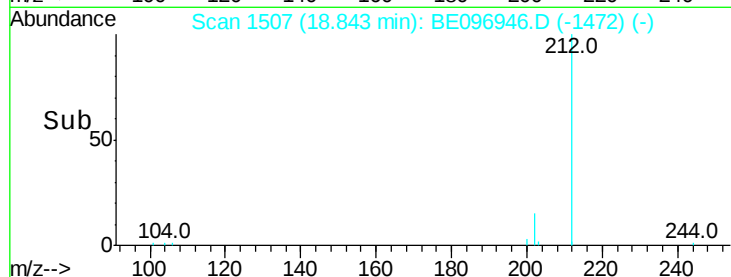
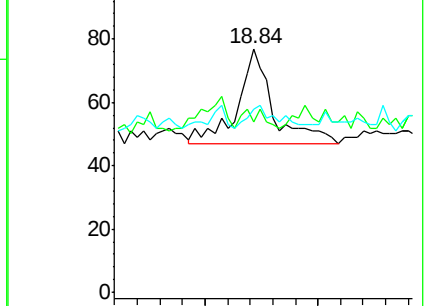
203 18.2 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

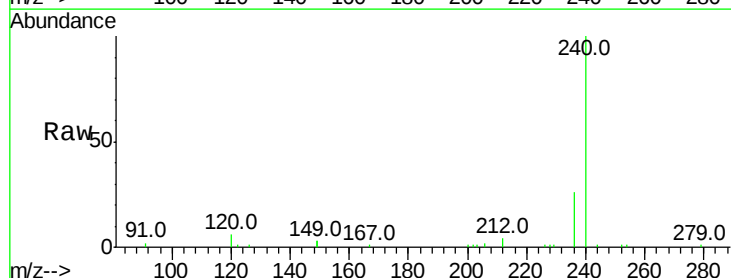
Tgt Ion:240 Resp: 11692

Ion Ratio Lower Upper

240 100

120 5.7 5.5 8.3

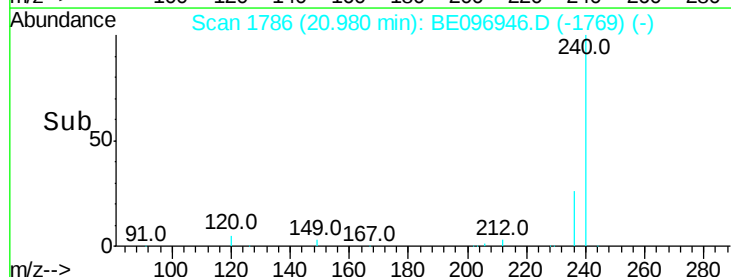
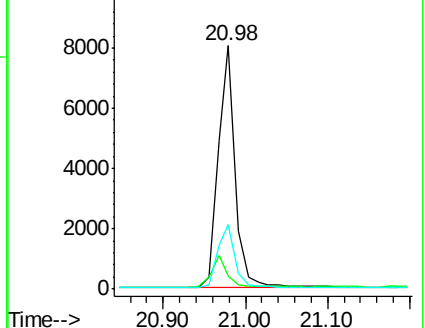
236 26.5 20.7 31.1

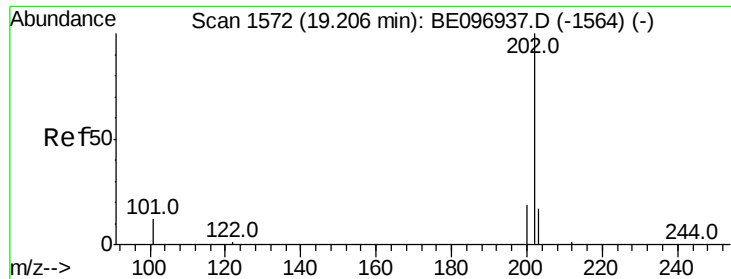


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

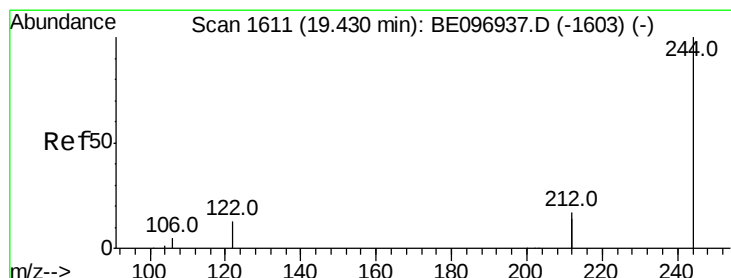
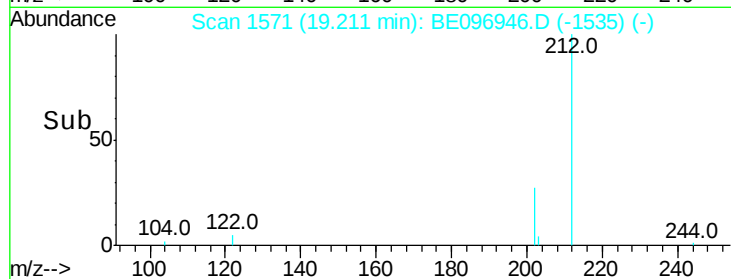
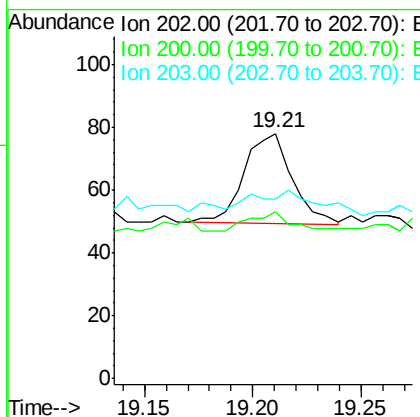
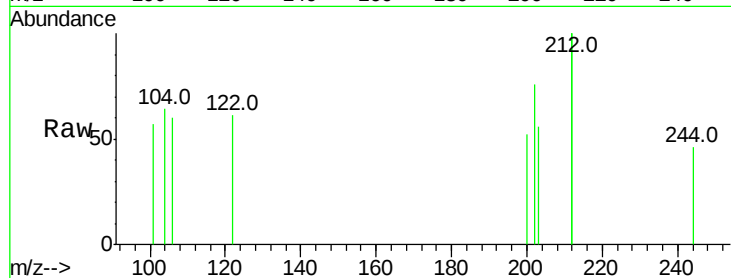




#28
Pvrene
Concen: 0.001 ng
RT: 19.21 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

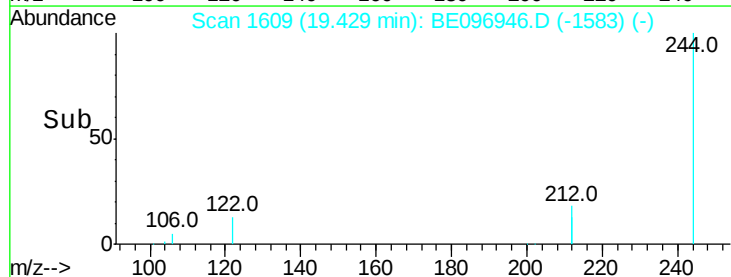
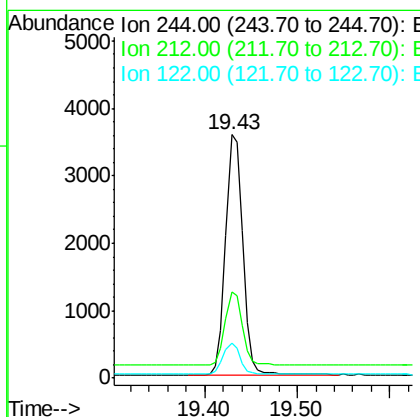
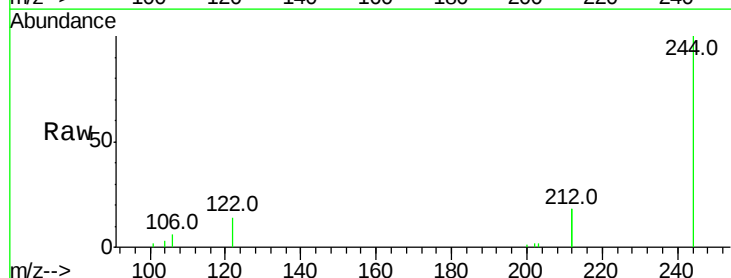
Instrument :
BNA_E
ClientSampleId :
GW02-071118DL

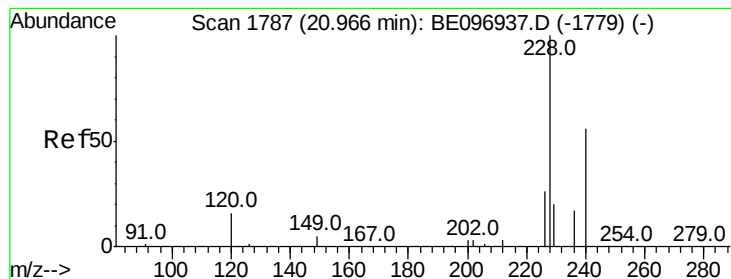
Tot Ion:202 Resp: 44
Ion Ratio Lower Upper
202 100
200 18.2 16.6 25.0
203 15.9 13.8 20.8



#29
Terphenyl-d14
Concen: 0.205 ng
RT: 19.43 min Scan# 1609
Delta R.T. -0.00 min
Lab File: BE096946.D
Acq: 16 Jul 2018 20:09

Tgt Ion:244 Resp: 4615
Ion Ratio Lower Upper
244 100
212 35.6 25.4 38.0
122 14.2 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.005 ng

RT: 20.98 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

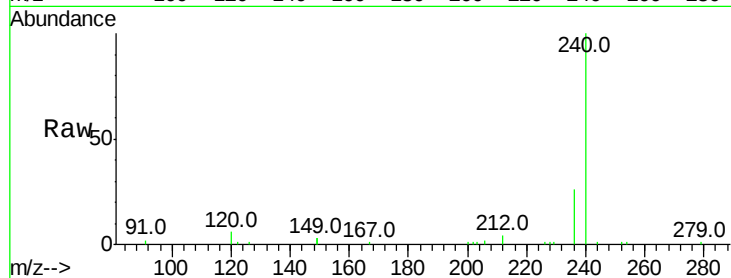
Tot Ion:228 Resp: 127

Ion Ratio Lower Upper

228 100

226 67.5 24.0 36.0#

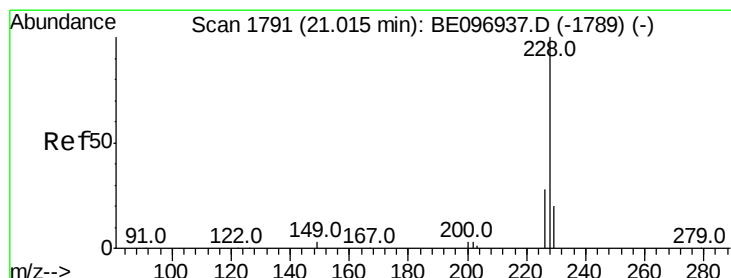
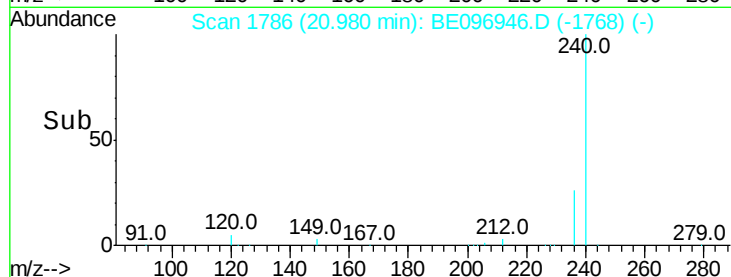
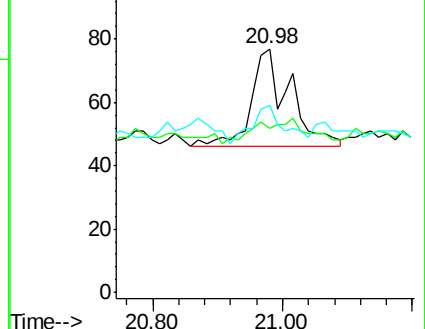
229 76.6 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.003 ng

RT: 20.98 min Scan# 1786

Delta R.T. -0.04 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

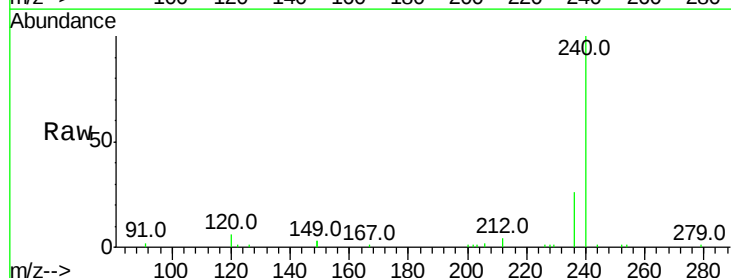
Tgt Ion:228 Resp: 96

Ion Ratio Lower Upper

228 100

226 67.5 24.0 36.0#

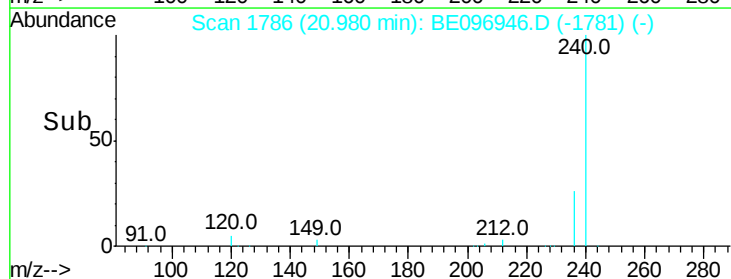
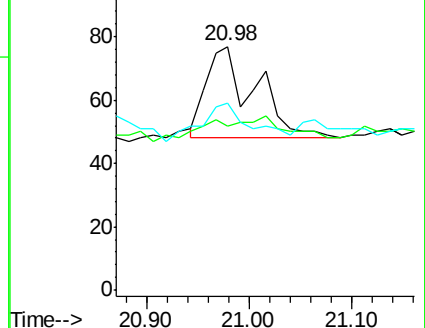
229 76.6 16.0 24.0#

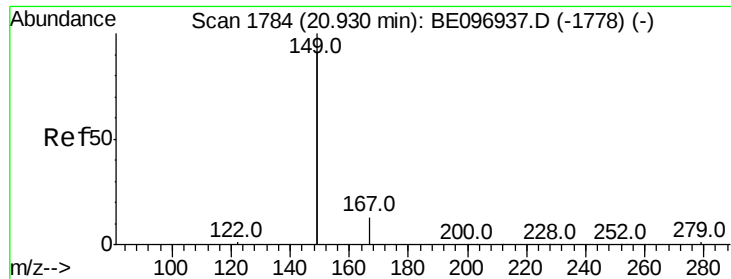


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.046 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

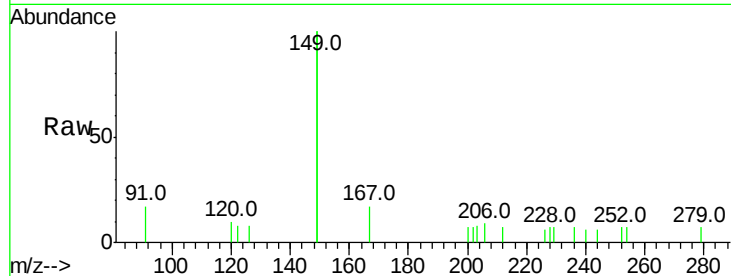
Tot Ion:149 Resp: 1280

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

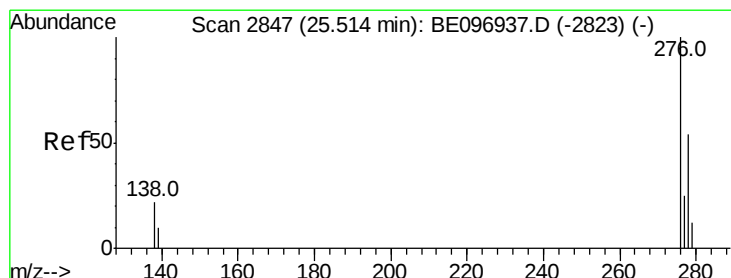
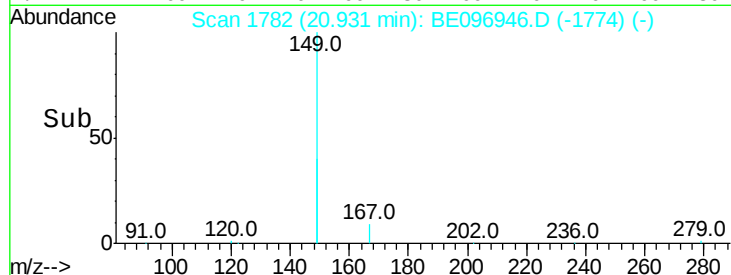
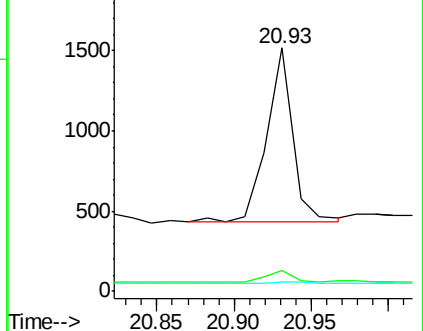
279 1.6 0.7 1.1#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

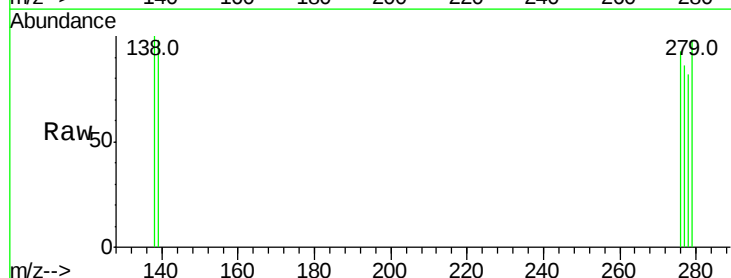
Tgt Ion:276 Resp: 3

Ion Ratio Lower Upper

276 100

138 166.7 22.5 33.7#

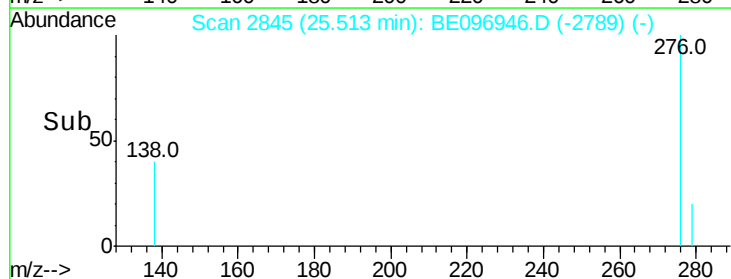
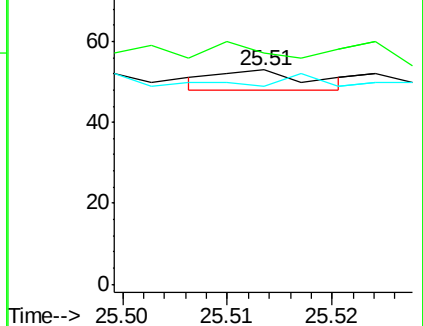
277 66.7 19.9 29.9#

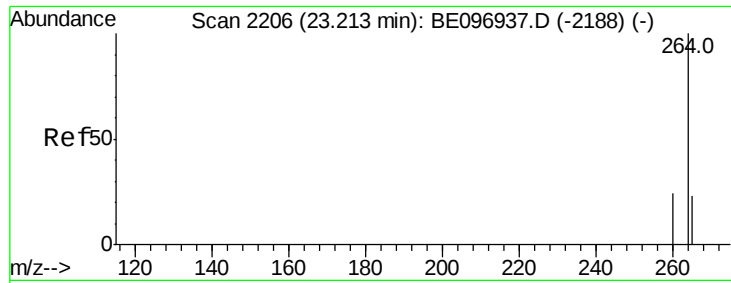


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

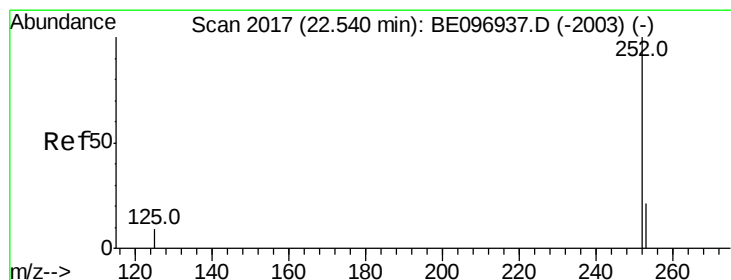
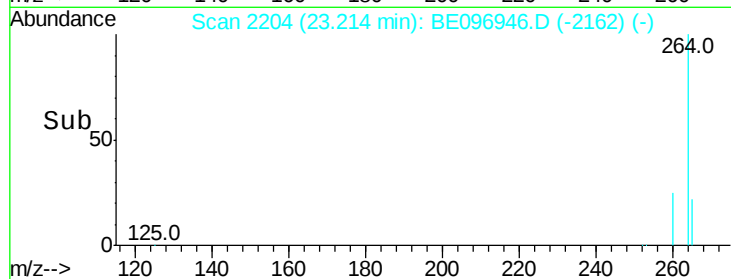
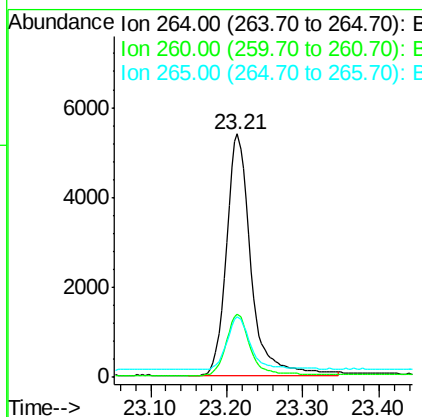
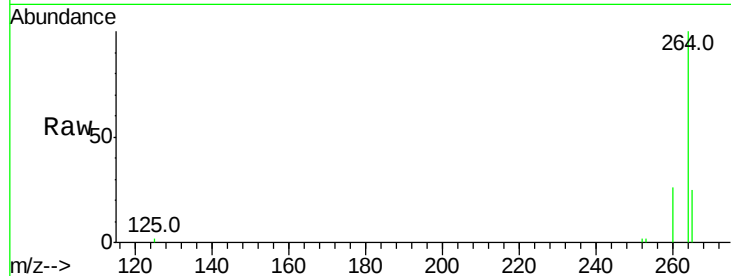




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE096946.D
 Acq: 16 Jul 2018 20:09

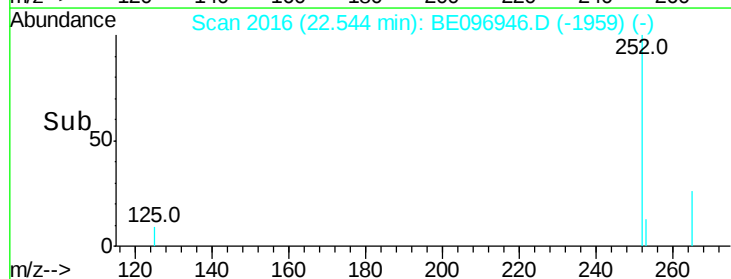
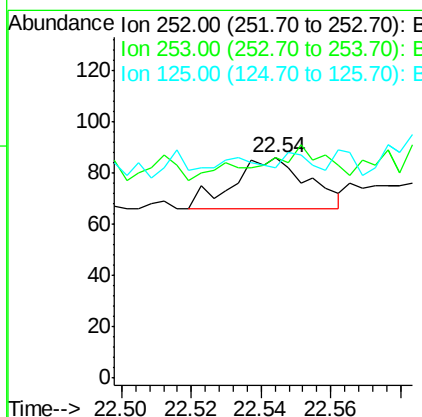
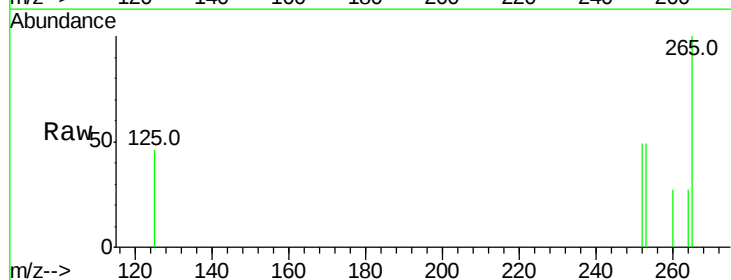
Instrument :
 BNA_E
 ClientSampleId :
 GW02-071118DL

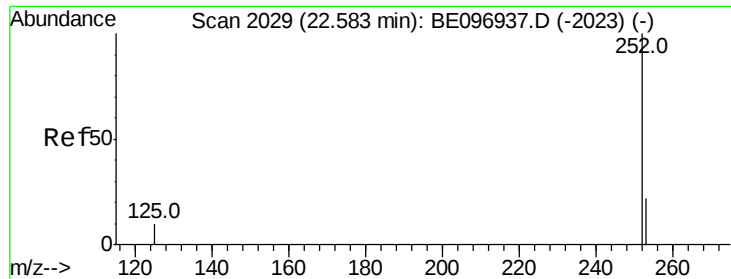
Tot Ion:264 Resp: 11939
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.5 30.7
 265 24.6 22.8 34.2



#35
 Benzo(b)fluoranthene
 Concen: 0.001 ng
 RT: 22.54 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BE096946.D
 Acq: 16 Jul 2018 20:09

Tgt Ion:252 Resp: 30
 Ion Ratio Lower Upper
 252 100
 253 100.0 20.0 30.0#
 125 95.3 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.001 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

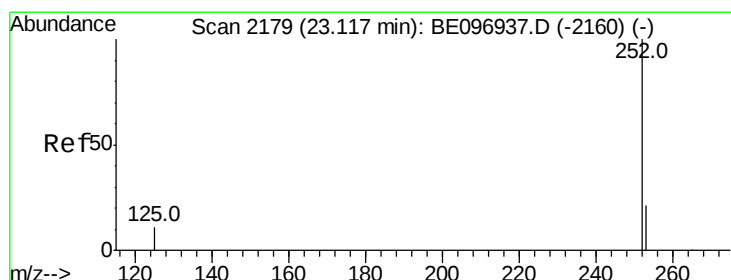
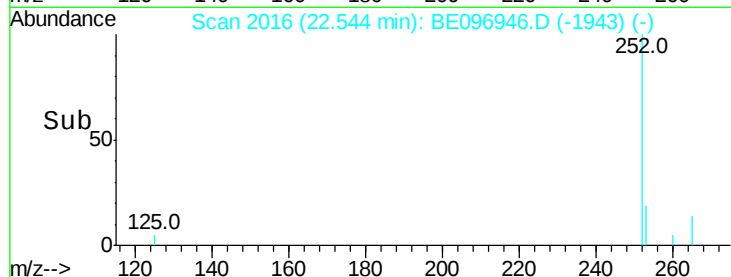
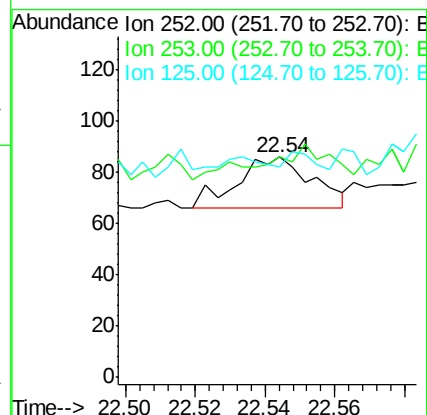
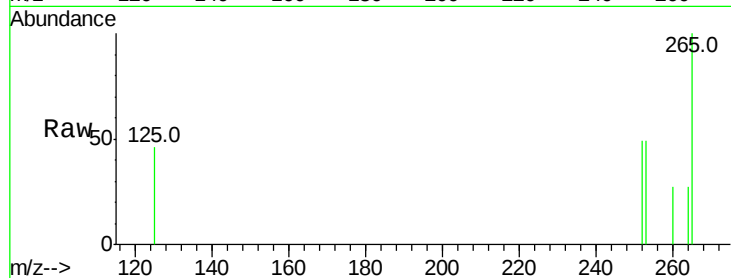
Tot Ion:252 Resp: 30

Ion Ratio Lower Upper

252 100

253 100.0 16.0 24.0#

125 95.3 8.0 12.0#



#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

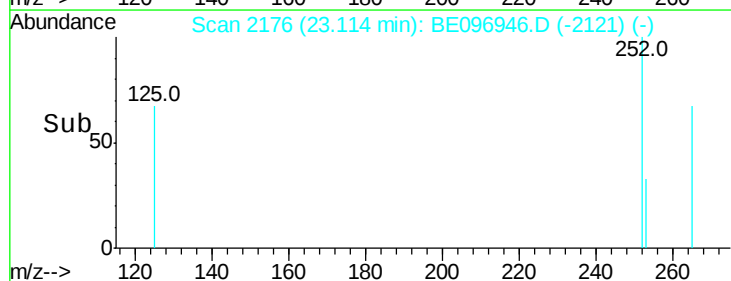
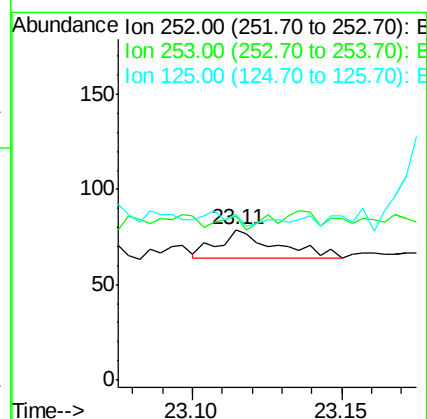
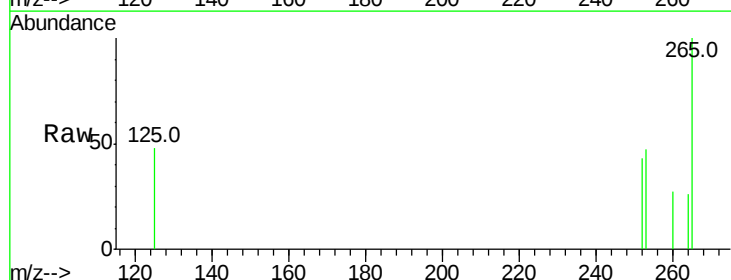
Tgt Ion:252 Resp: 20

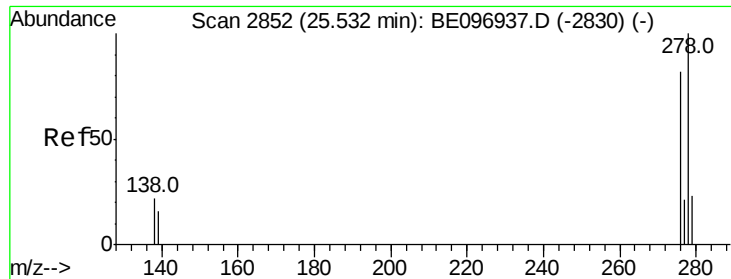
Ion Ratio Lower Upper

252 100

253 108.9 16.0 24.0#

125 110.1 12.0 18.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.118 ng

RT: 25.52 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Instrument :

BNA_E

ClientSampleId :

GW02-071118DL

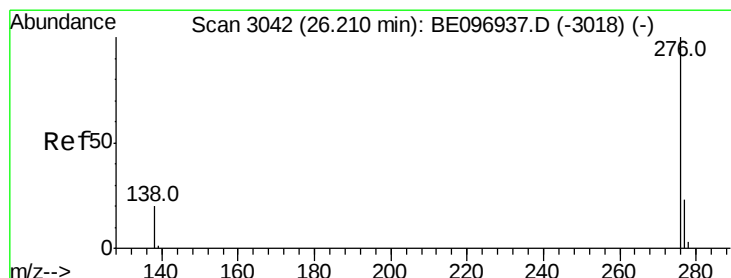
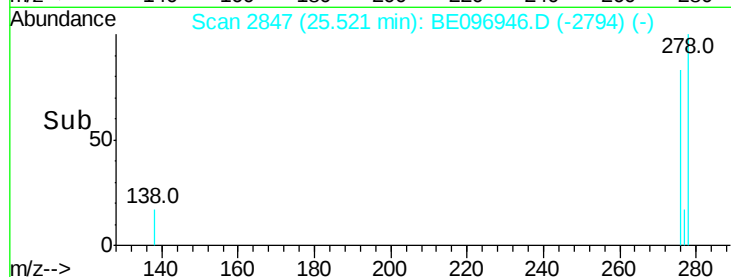
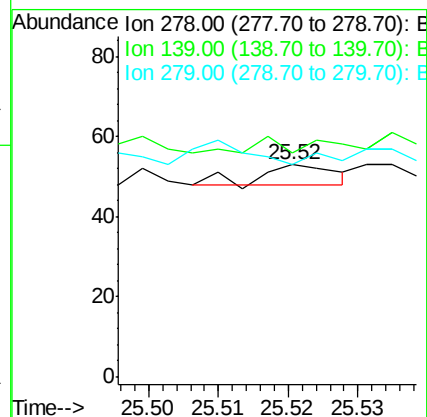
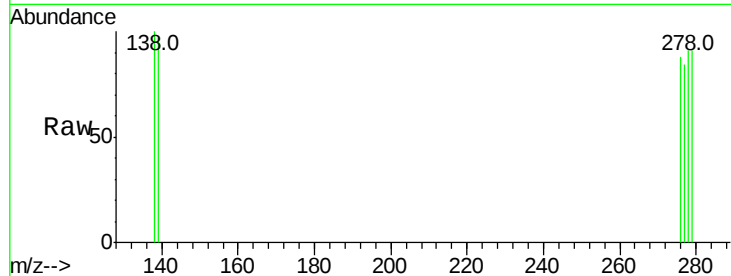
Tot Ion:278 Resp: 4

Ion Ratio Lower Upper

278 100

139 105.7 16.0 24.0#

279 100.0 20.0 30.0#



#39

Benzo(g,h,i)perylene

Concen: 0.000 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE096946.D

Acq: 16 Jul 2018 20:09

Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

277 94.3 16.0 24.0#

138 105.7 20.0 30.0#

