

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097038.D
 Acq On : 23 Jul 2018 15:21
 Operator : SJ/JU
 Sample : J4048-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-1

Quant Time: Jul 23 16:54:51 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	1670	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	8519	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	5385	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	15138	0.40	ng	0.00
27) Chrysene-d12	20.98	240	17165	0.40	ng	0.00
34) Perylene-d12	23.21	264	16097	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	903	0.23	ng	0.00
5) Phenol-d6	6.59	99	844	0.14	ng	0.00
8) Nitrobenzene-d5	8.52	82	3026	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4952	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	1050	0.78	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8657	0.43	ng	0.00
25) Fluoranthene-d10	18.81	212	74991	0.57	ng	0.00
29) Terphenyl-d14	19.43	244	15550	0.47	ng	0.00

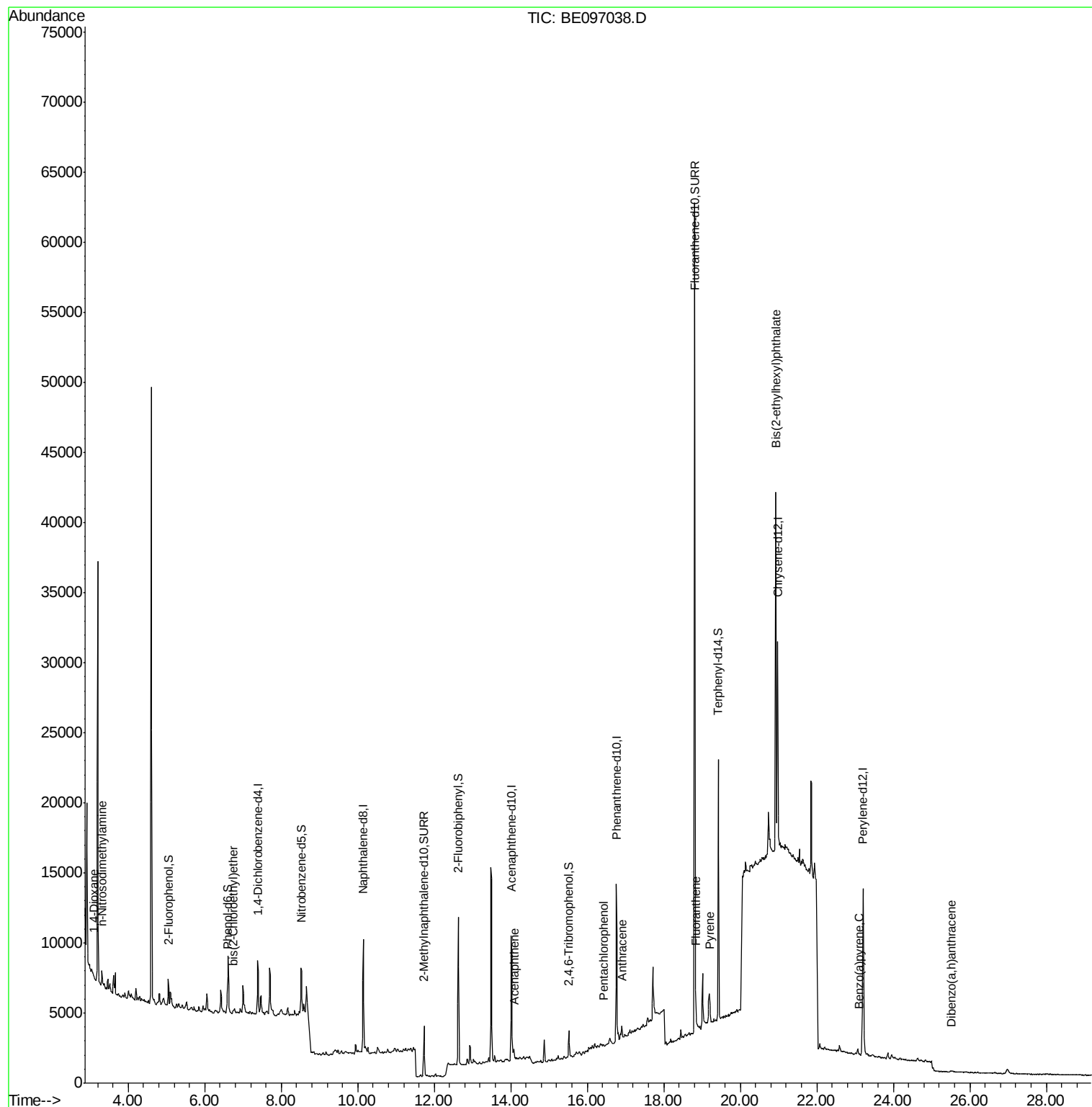
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	51	0.021	ng	# 16
3) n-Nitrosodimethylamine	3.31	42	131	0.049	ng	# 1
6) bis(2-Chloroethyl)ether	6.74	93	283	0.047	ng	# 1
17) Acenaphthene	14.08	154	381	0.025	ng	91
22) Pentachlorophenol	16.43	266	49	0.026	ng	95
24) Anthracene	16.90	178	1033	0.033	ng	# 70
26) Fluoranthene	18.84	202	1046	0.027	ng	# 93
28) Pyrene	19.20	202	1866	0.037	ng	95
32) Bis(2-ethylhexyl)phthalate	20.93	149	36107	0.885	ng	100
37) Benzo(a)pyrene	23.11	252	59	0.103	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	21	0.118	ng	# 1

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

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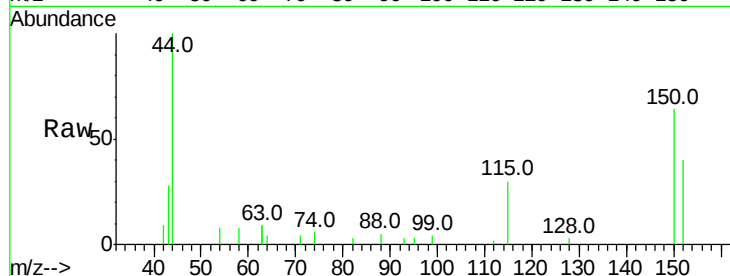


#1

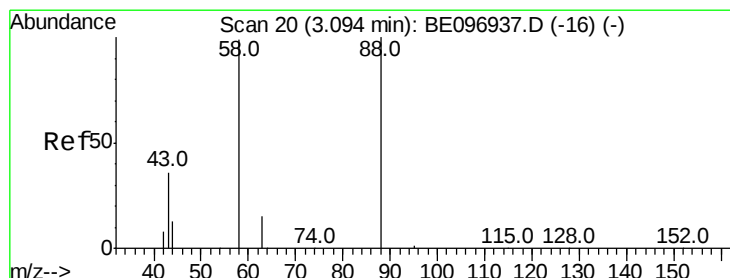
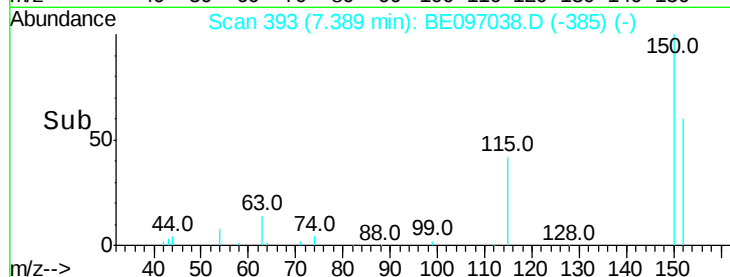
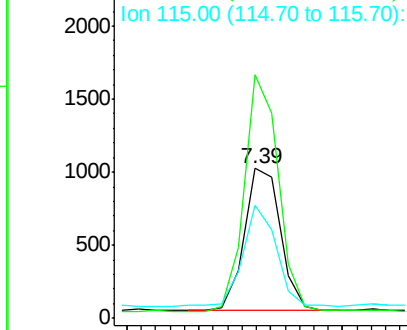
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

Instrument :
BNA_E
ClientSampleId :
YT-MW-1

Tot Ion:152 Resp: 1670
Ion Ratio Lower Upper
152 100
150 162.4 117.2 175.8
115 75.3 57.0 85.6



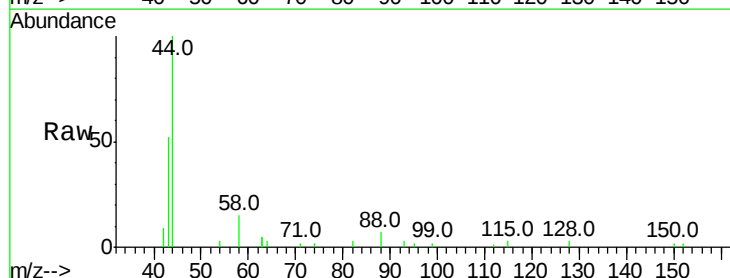
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



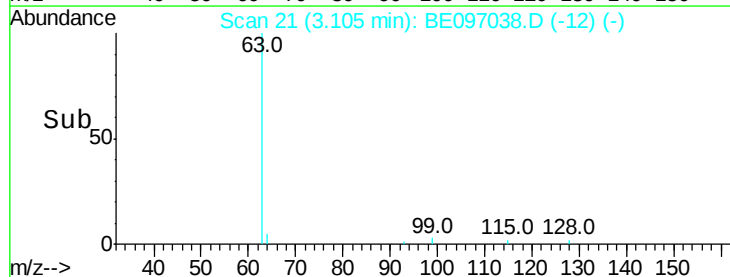
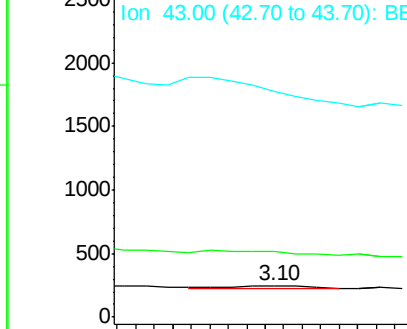
#2

1,4-Dioxane
Concen: 0.021 ng
RT: 3.10 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
58 0.0 63.2 94.8#
43 0.0 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



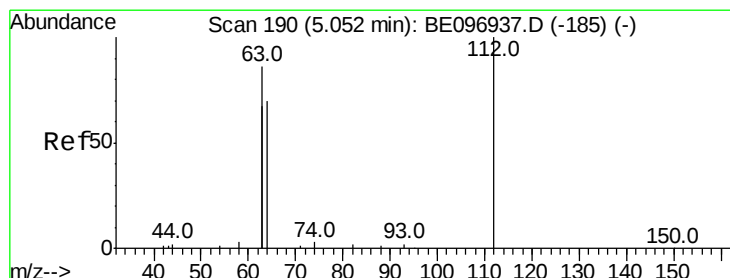
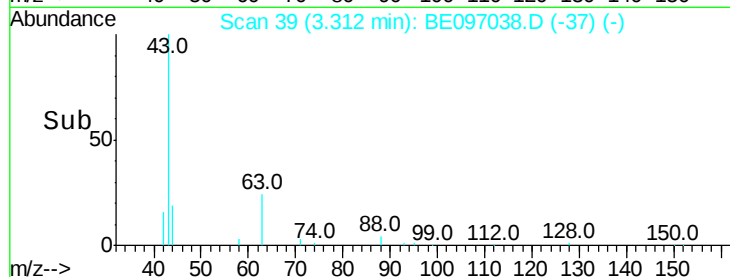
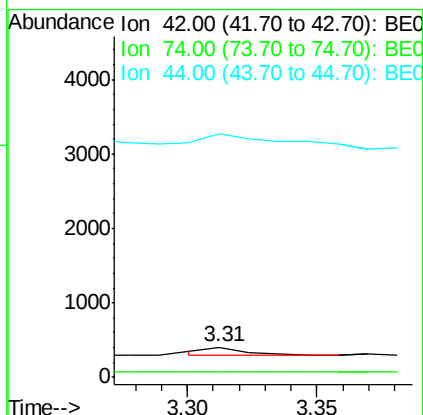
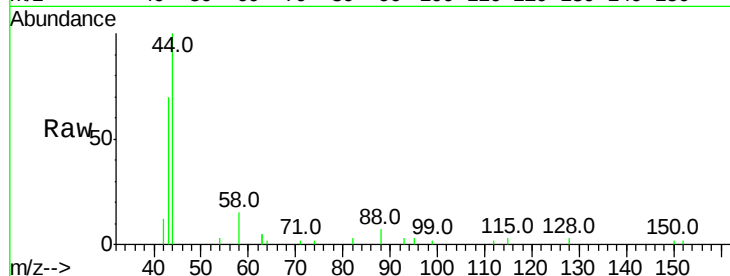


#3

n-Nitrosodimethylamine
Concen: 0.049 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.07 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

Instrument :
BNA_E
ClientSampleId :
YT-MW-1

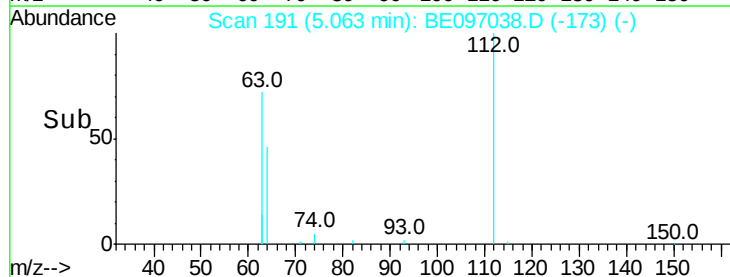
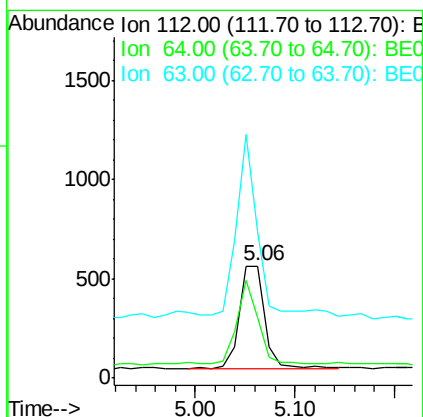
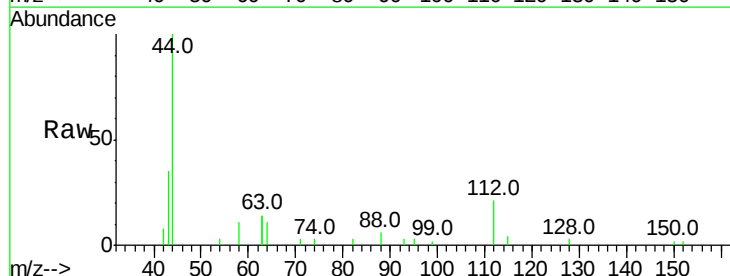
Tot Ion: 42 Resp: 131
Ion Ratio Lower Upper
42 100
74 11.5 96.0 144.0#
44 567.9 12.0 18.0#

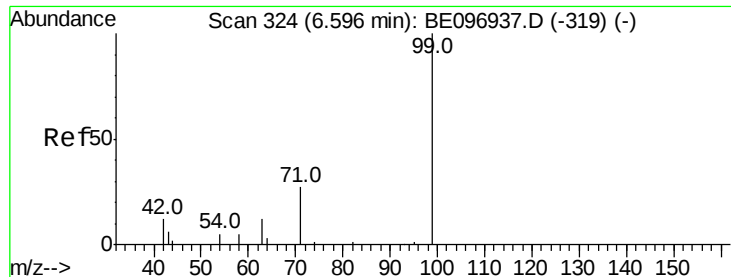


#4

2-Fluorophenol
Concen: 0.226 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

Tgt Ion: 112 Resp: 903
Ion Ratio Lower Upper
112 100
64 68.5 60.1 90.1
63 139.5 116.8 175.2





#5

Phenol-d6

Concen: 0.138 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampled :

YT-MW-1

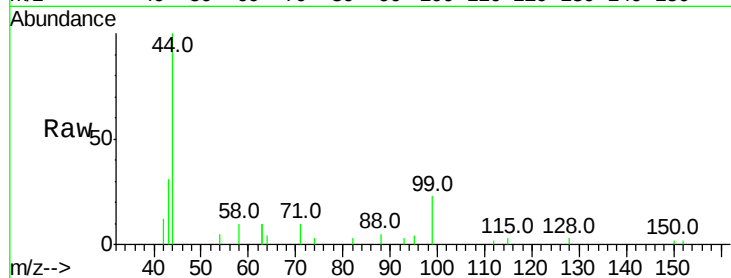
Tot Ion: 99 Resp: 844

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

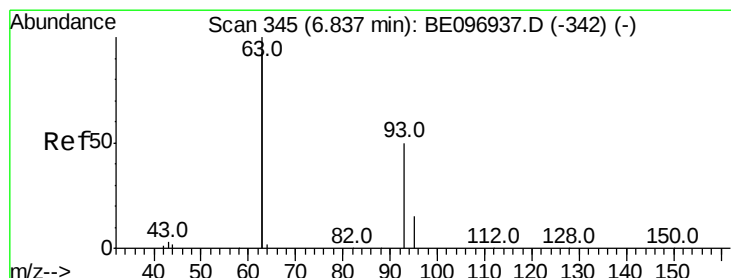
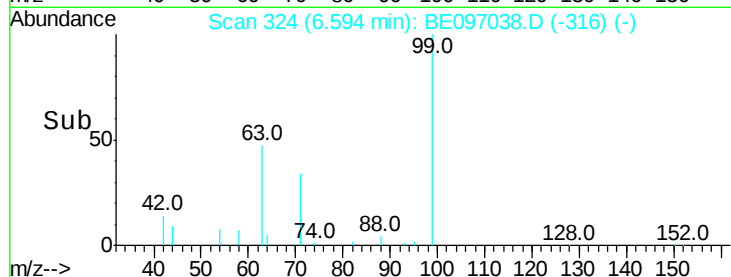
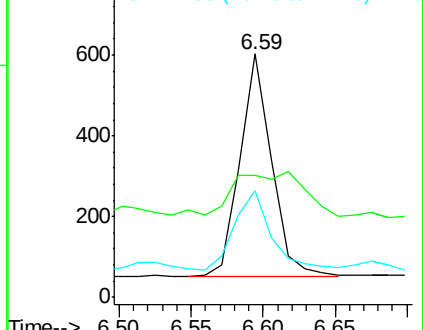
71 41.5 28.4 42.6



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: 0.047 ng

RT: 6.74 min Scan# 337

Delta R.T. -0.09 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

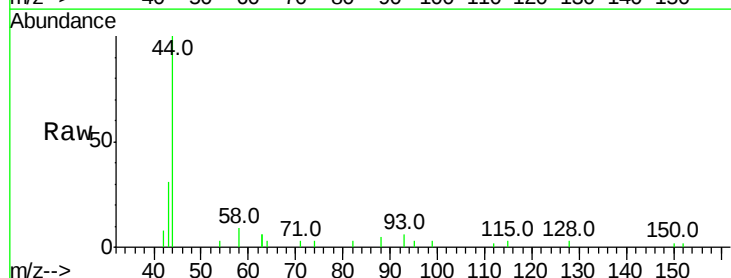
Tgt Ion: 93 Resp: 283

Ion Ratio Lower Upper

93 100

63 39.9 275.3 412.9#

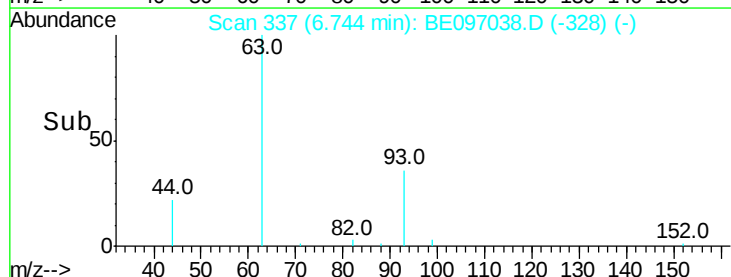
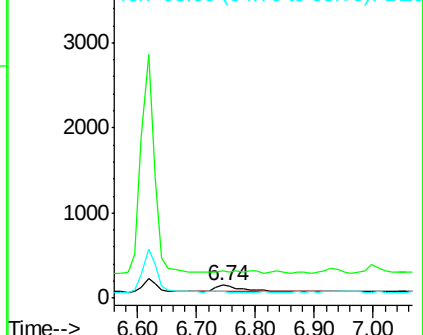
95 0.0 25.2 37.8#

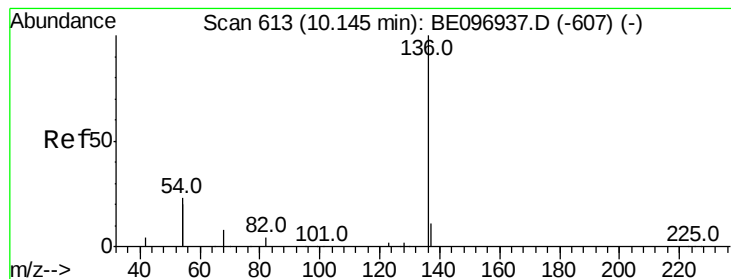


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampleId :

YT-MW-1

Tot Ion:136 Resp: 8519

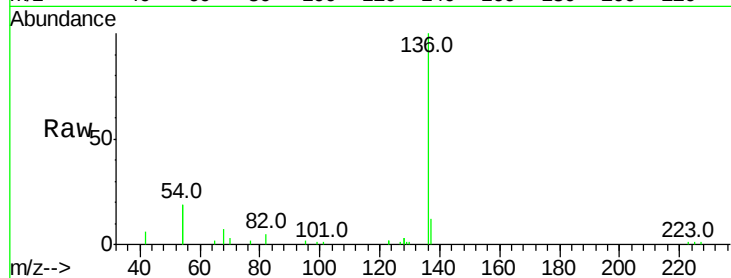
Ion Ratio Lower Upper

136 100

137 11.7 9.5 14.3

54 37.2 29.1 43.7

68 7.4 6.2 9.2

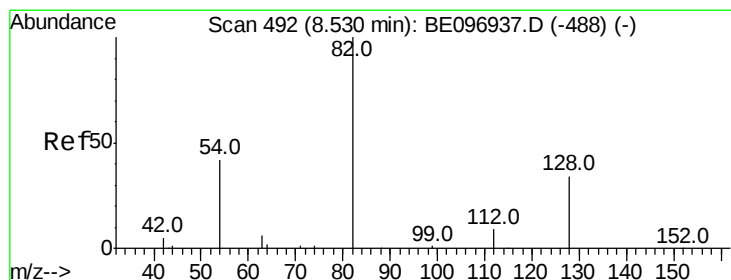
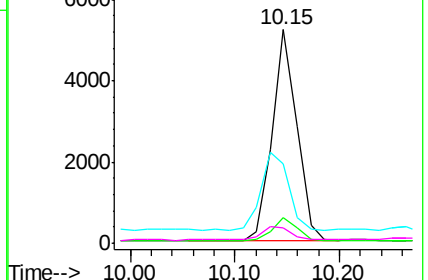
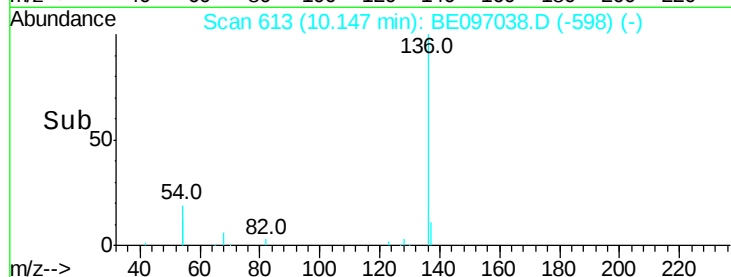


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.487 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

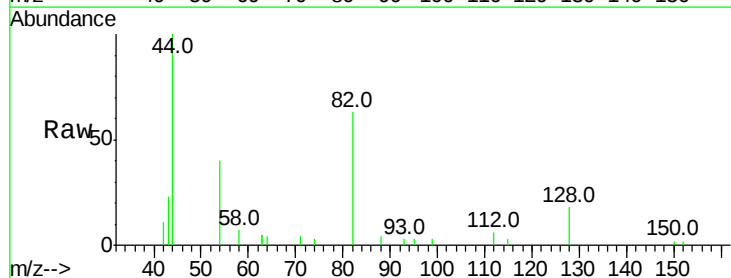
Tgt Ion: 82 Resp: 3026

Ion Ratio Lower Upper

82 100

128 27.9 24.0 36.0

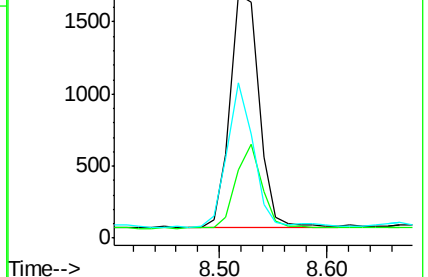
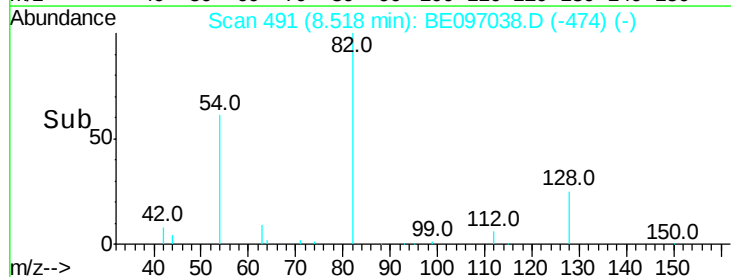
54 63.8 40.0 60.0#

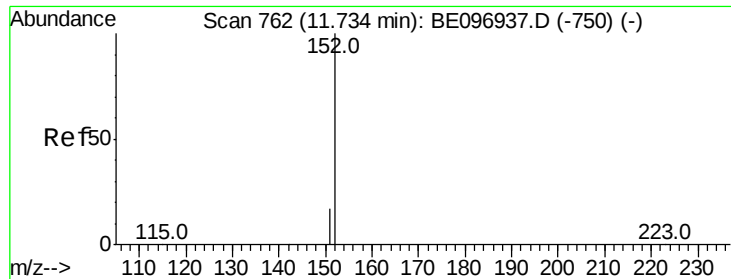


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampleId :

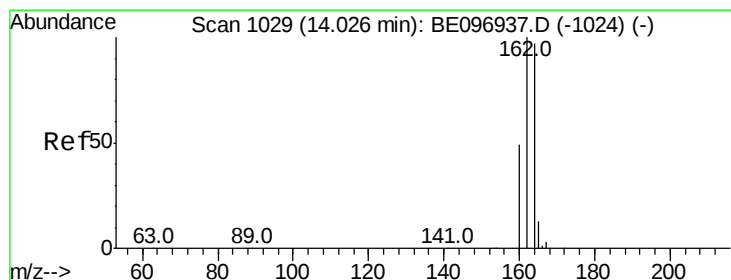
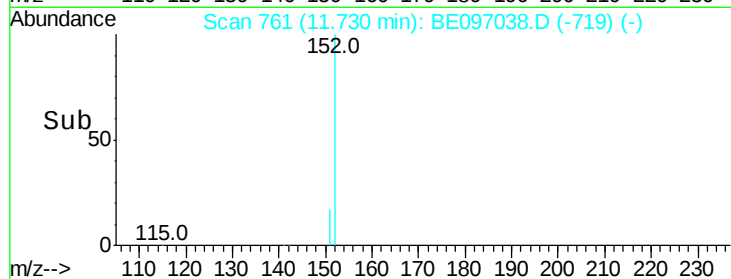
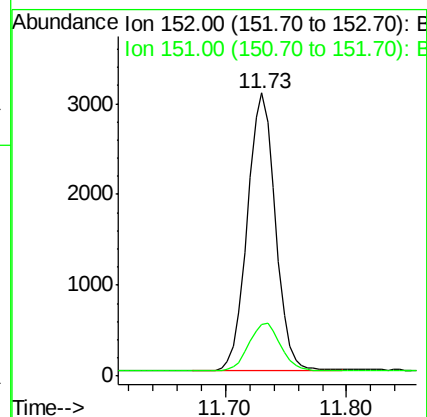
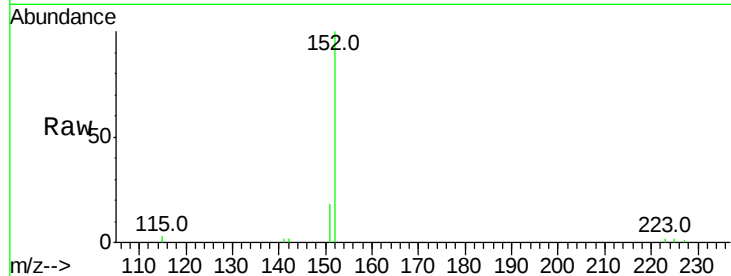
YT-MW-1

Tot Ion:152 Resp: 4952

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

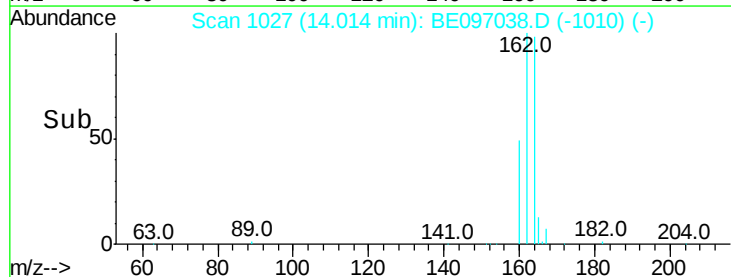
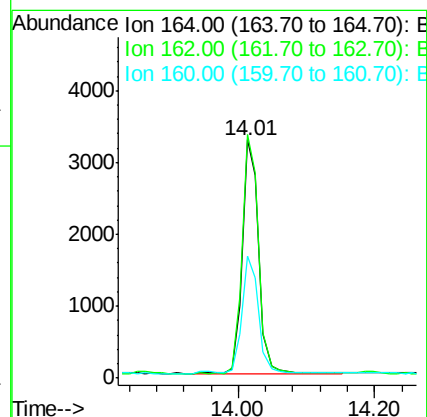
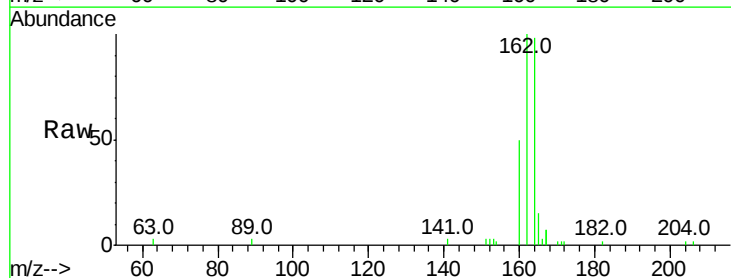
Tgt Ion:164 Resp: 5385

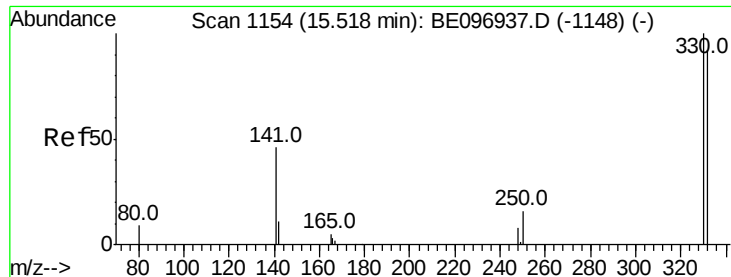
Ion Ratio Lower Upper

164 100

162 102.1 83.1 124.7

160 50.9 37.1 55.7

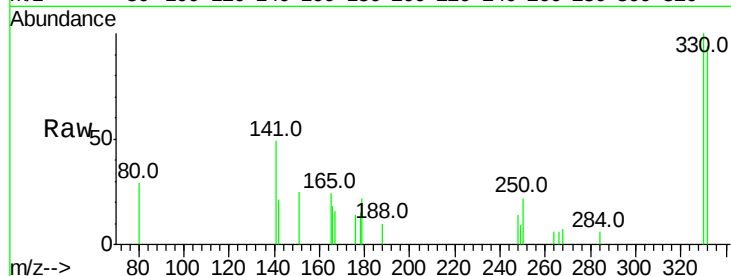




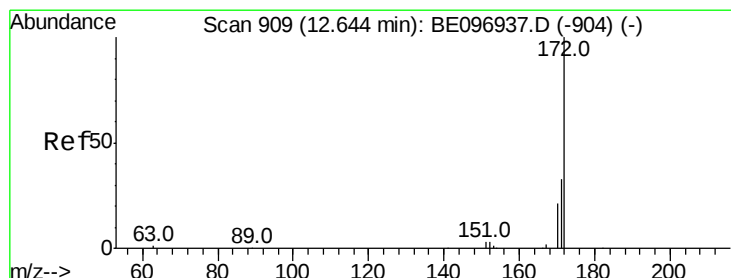
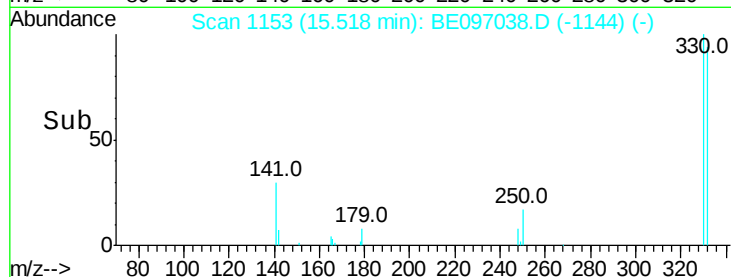
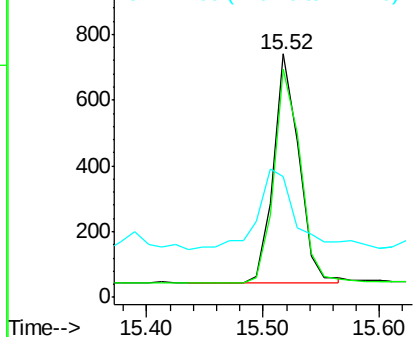
#14
 2,4,6-Tribromophenol
 Concen: 0.782 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE097038.D
 Acq: 23 Jul 2018 15:21

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-1

Tot Ion:330 Resp: 1050
 Ion Ratio Lower Upper
 330 100
 332 97.1 152.7 229.1#
 141 50.2 33.7 50.5

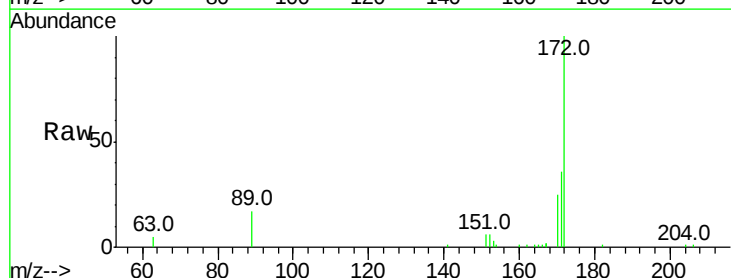


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

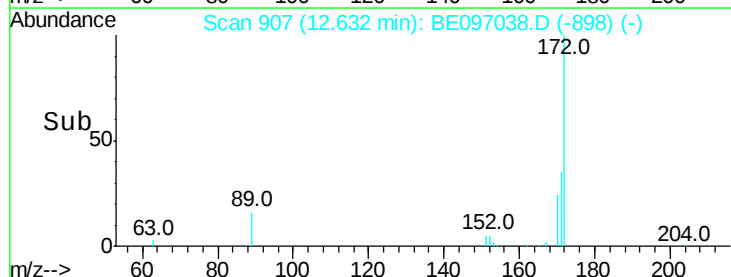
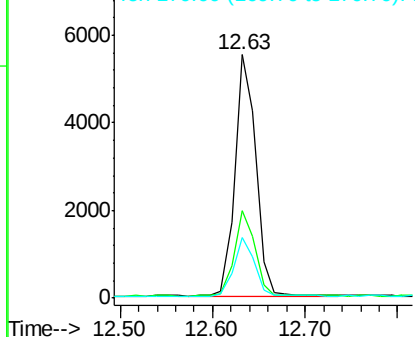


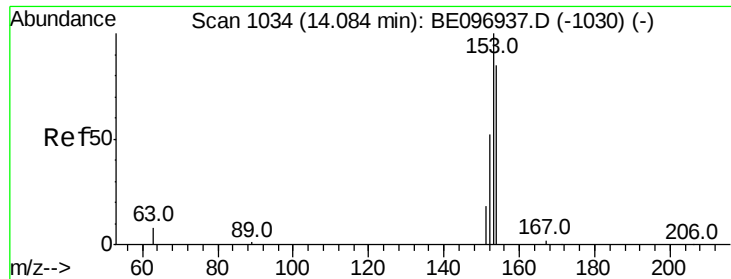
#15
 2-Fluorobiphenyl
 Concen: 0.432 ng
 RT: 12.63 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BE097038.D
 Acq: 23 Jul 2018 15:21

Tgt Ion:172 Resp: 8657
 Ion Ratio Lower Upper
 172 100
 171 35.8 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





#17

Acenaphthene

Concen: 0.025 ng

RT: 14.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampleId :

YT-MW-1

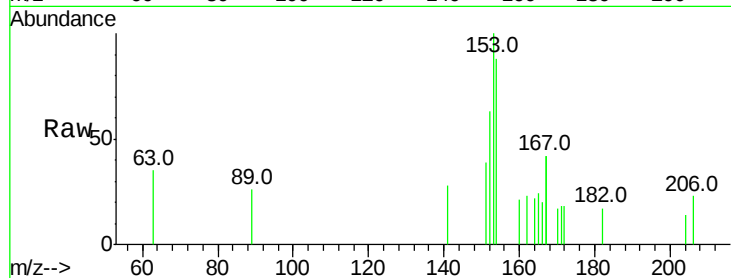
Tot Ion:154 Resp: 381

Ion Ratio Lower Upper

154 100

153 119.9 89.2 133.8

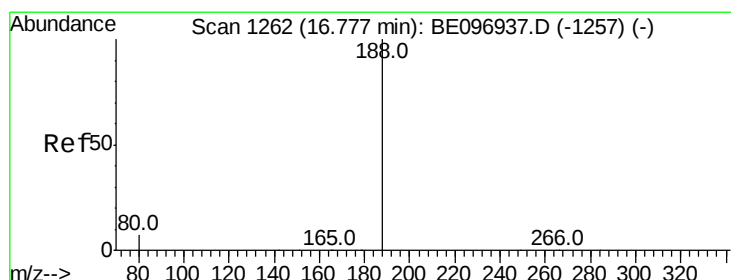
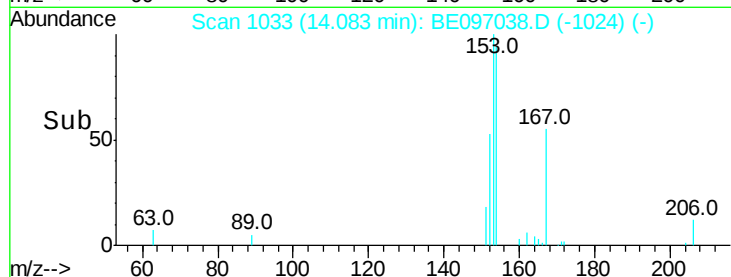
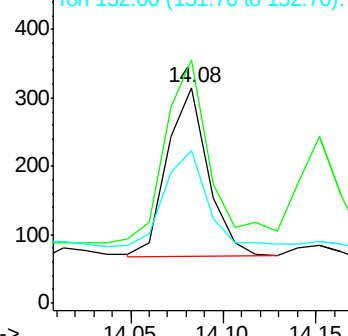
152 60.1 42.0 63.0



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

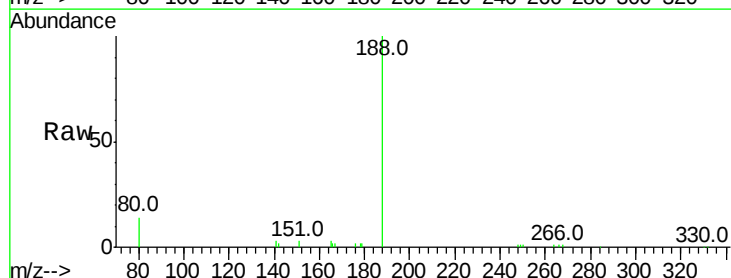
Tgt Ion:188 Resp: 15138

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

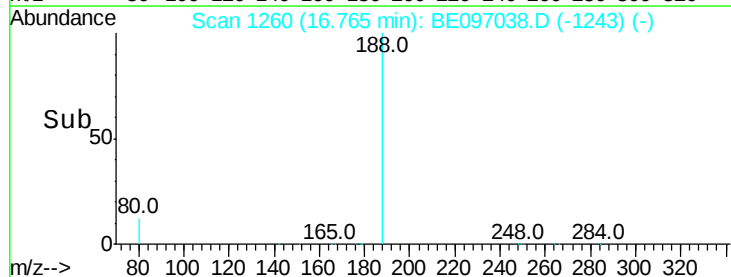
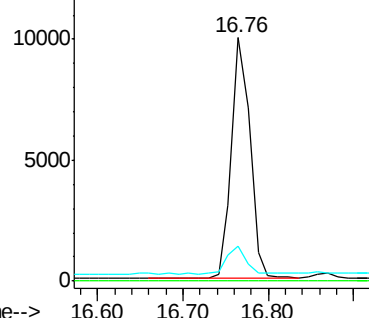
80 14.3 3.6 5.4#

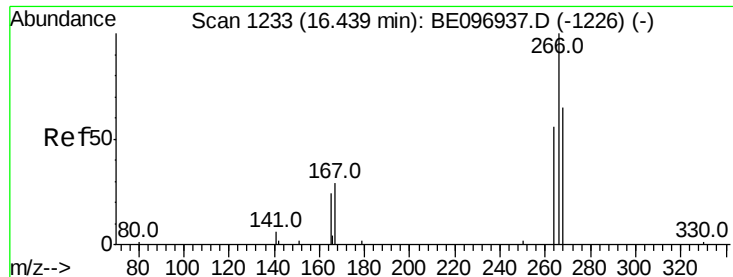


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.026 ng

RT: 16.43 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampled :

YT-MW-1

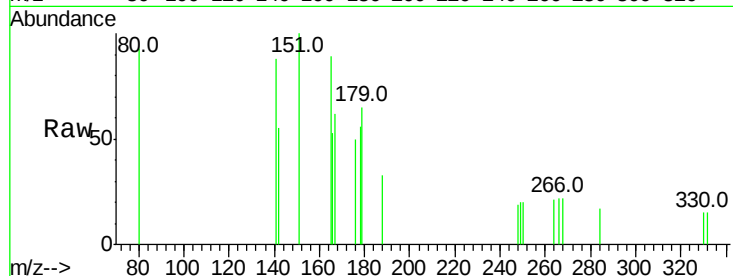
Tot Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 93.9 72.5 108.7

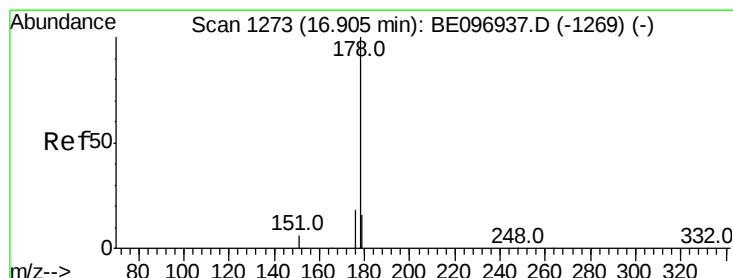
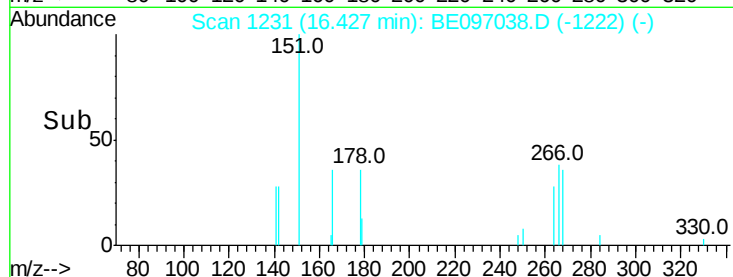
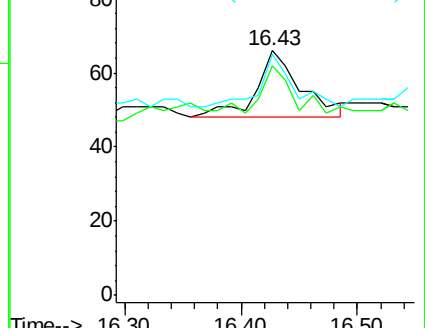
268 98.5 73.8 110.6



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



#24

Anthracene

Concen: 0.033 ng

RT: 16.90 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

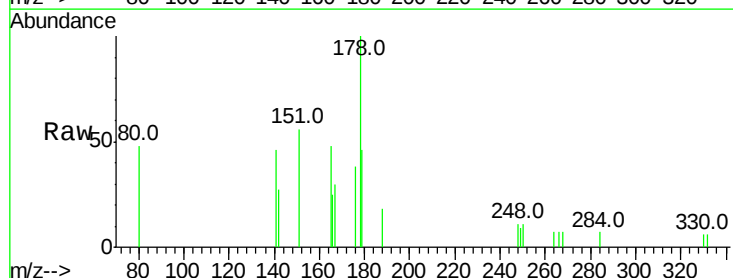
Tgt Ion:178 Resp: 1033

Ion Ratio Lower Upper

178 100

176 27.5 12.8 19.2#

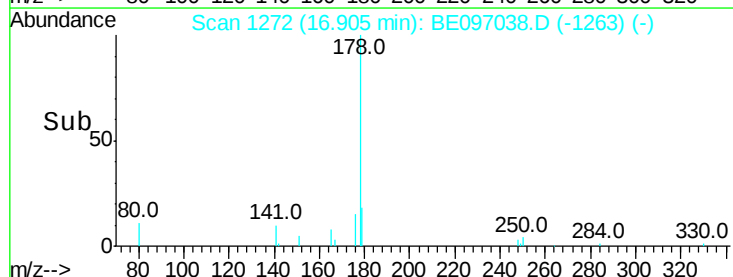
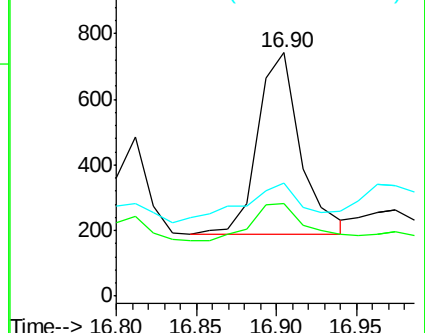
179 30.3 13.0 19.6#

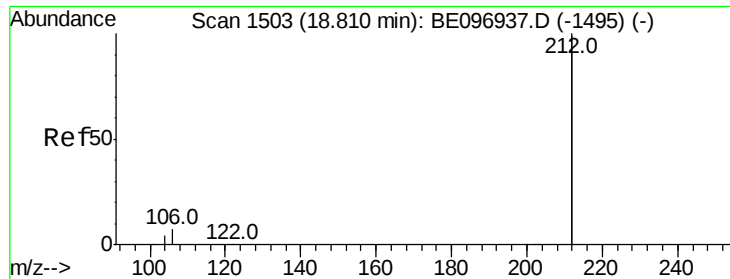


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

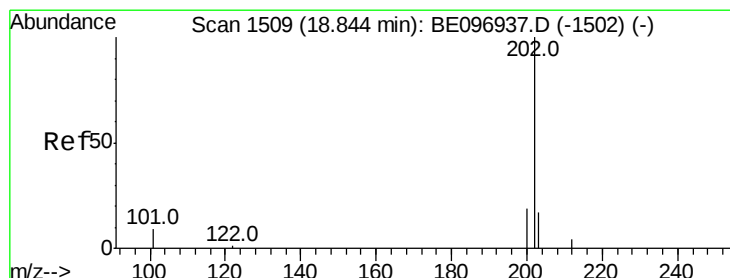
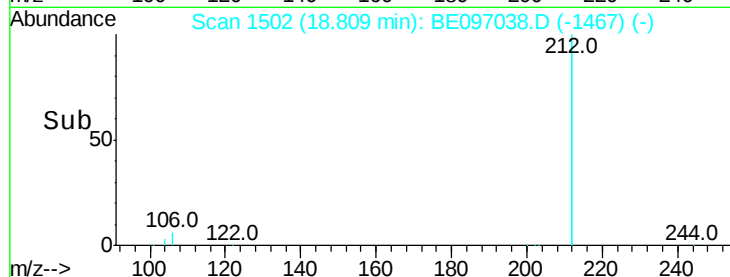
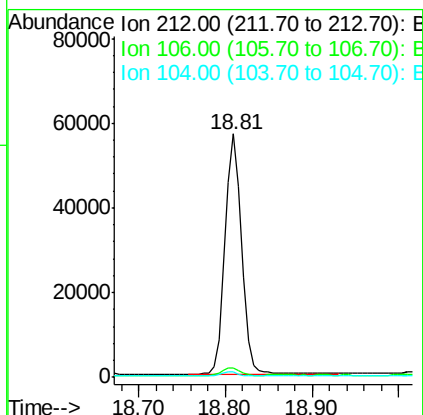
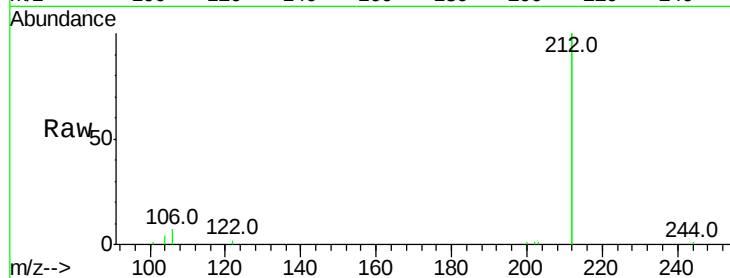




#25
Fluoranthene-d10
Concen: 0.569 ng
RT: 18.81 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

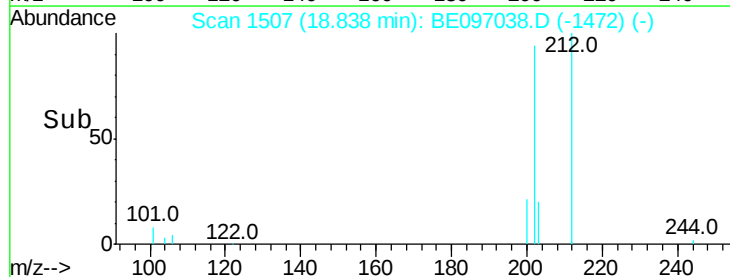
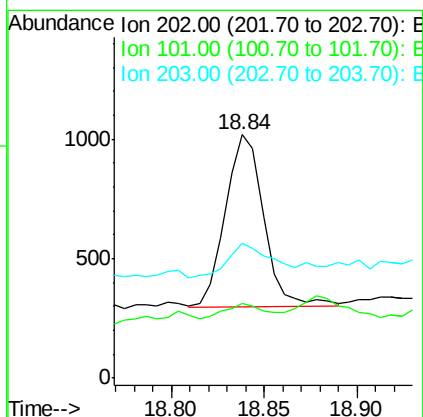
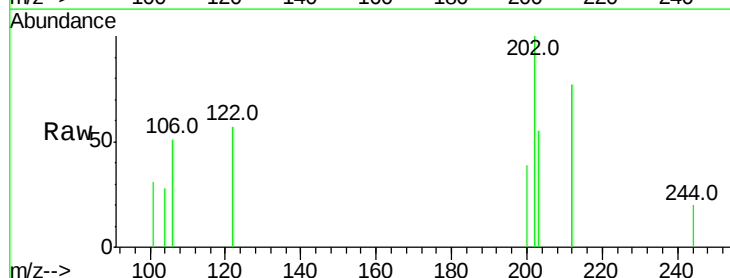
Instrument :
BNA_E
ClientSampleId :
YT-MW-1

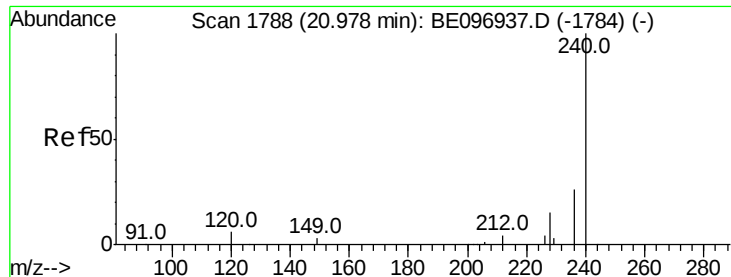
Tot Ion:212 Resp: 74991
Ion Ratio Lower Upper
212 100
106 3.1 2.8 4.2
104 1.8 1.6 2.4



#26
Fluoranthene
Concen: 0.027 ng
RT: 18.84 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

Tgt Ion:202 Resp: 1046
Ion Ratio Lower Upper
202 100
101 8.4 9.8 14.8#
203 19.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampleId :

YT-MW-1

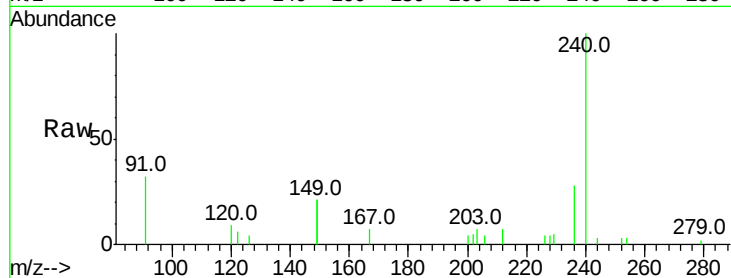
Tot Ion:240 Resp: 17165

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

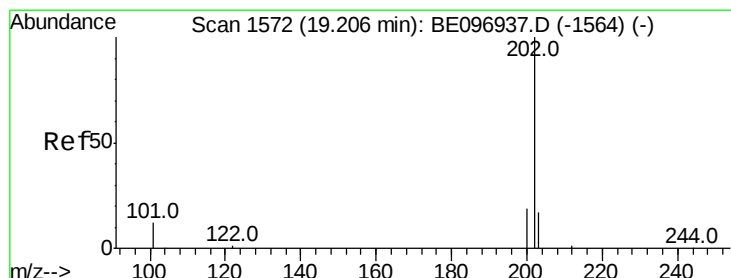
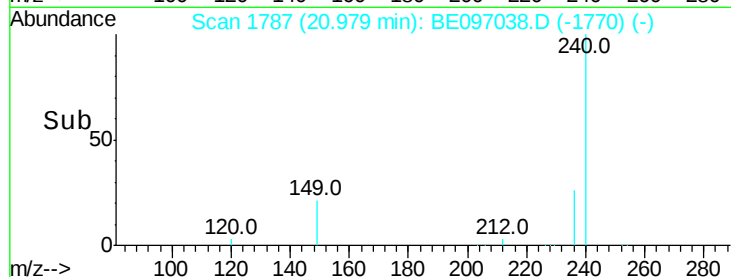
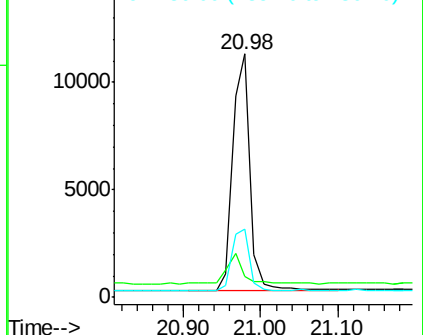
236 27.9 20.7 31.1



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

Pyrene

Concen: 0.037 ng

RT: 19.20 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

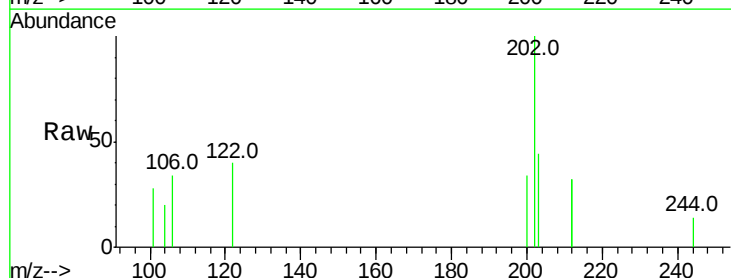
Tgt Ion:202 Resp: 1866

Ion Ratio Lower Upper

202 100

200 24.0 16.6 25.0

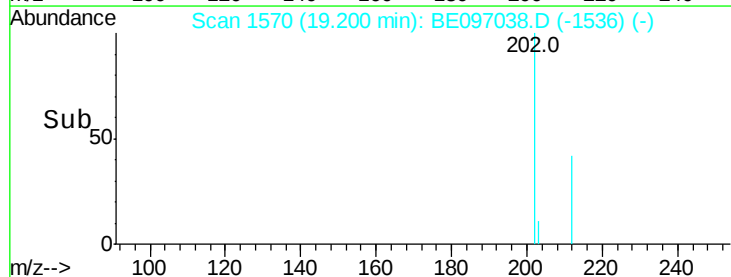
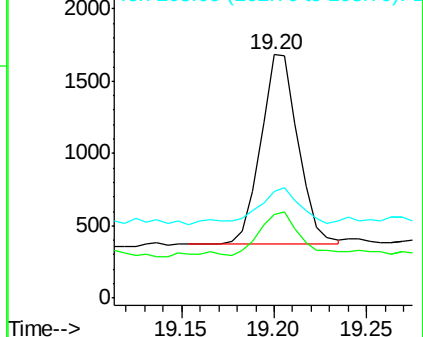
203 18.2 13.8 20.8

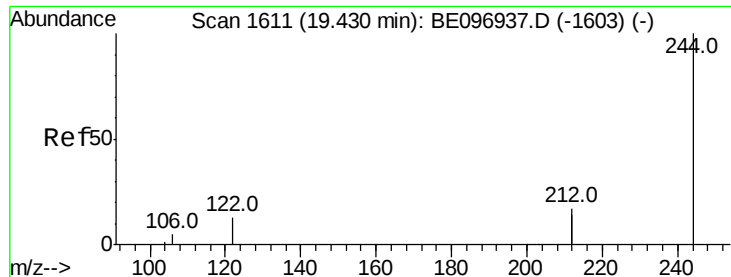


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.470 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampleId :

YT-MW-1

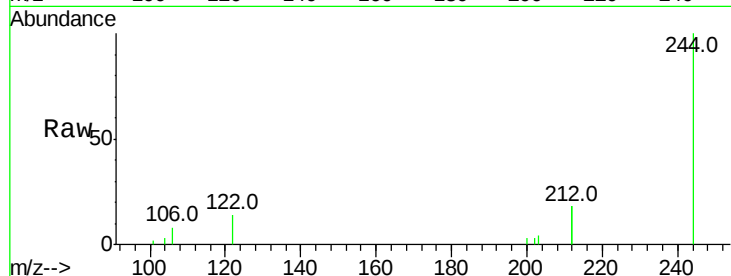
Tot Ion:244 Resp: 15550

Ion Ratio Lower Upper

244 100

212 36.6 25.4 38.0

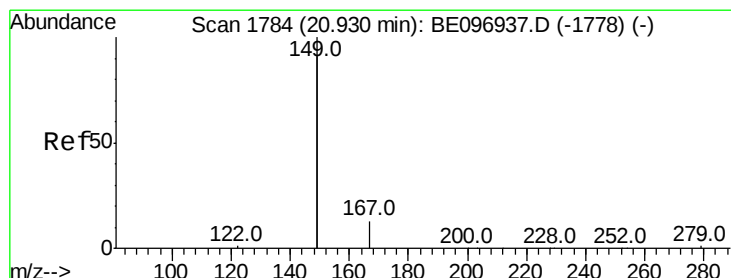
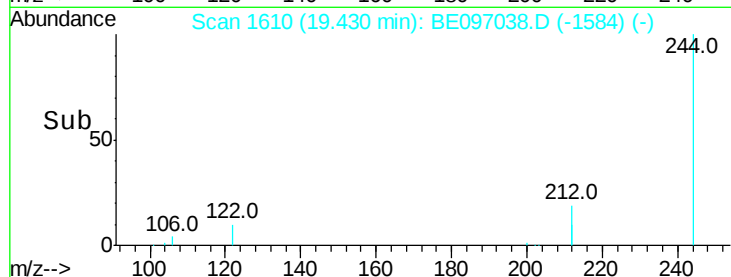
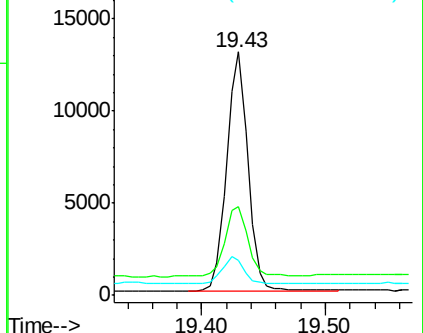
122 14.3 8.1 12.1#



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: 0.885 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097038.D

Acq: 23 Jul 2018 15:21

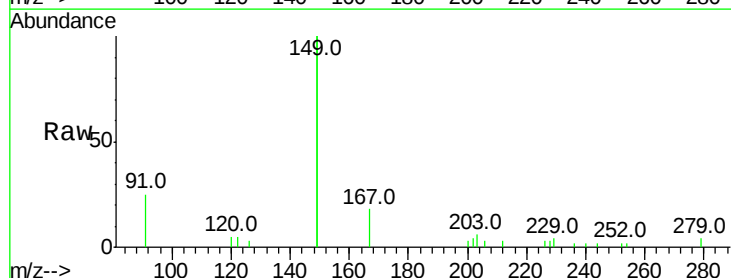
Tgt Ion:149 Resp: 36107

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

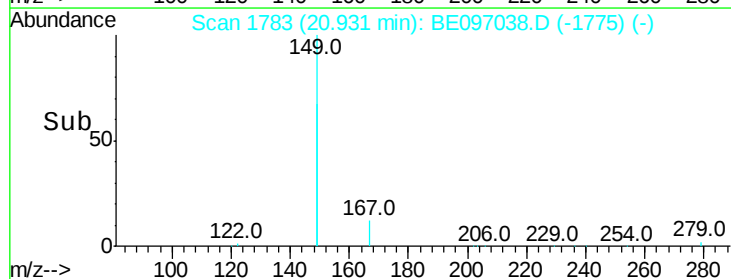
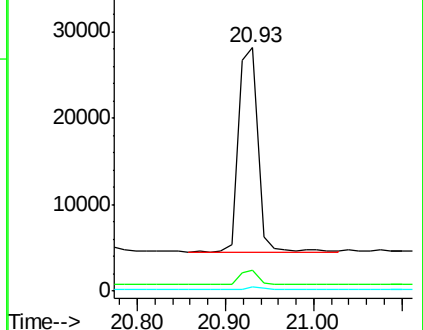
279 1.1 0.7 1.1

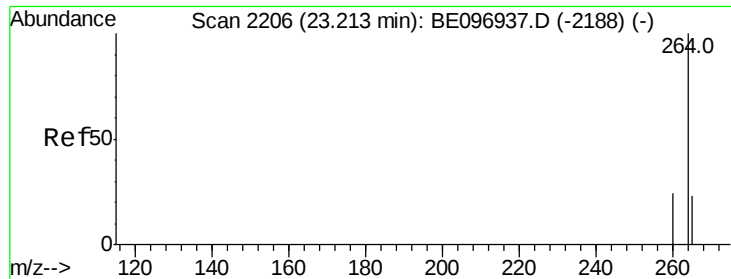


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

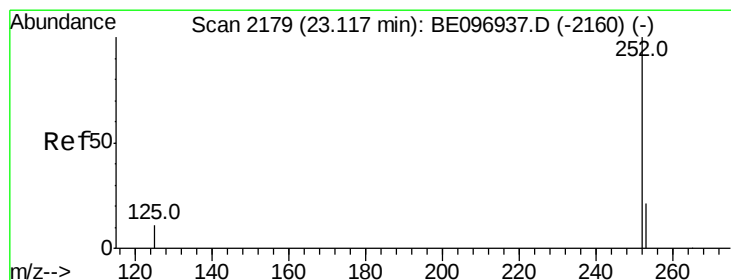
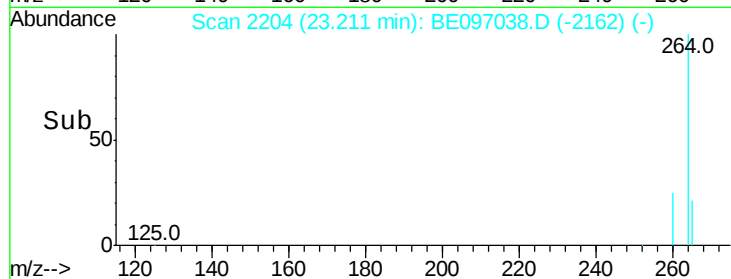
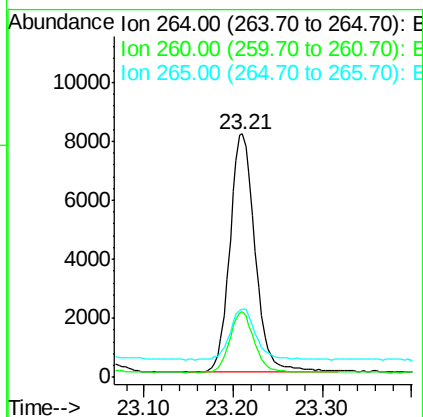
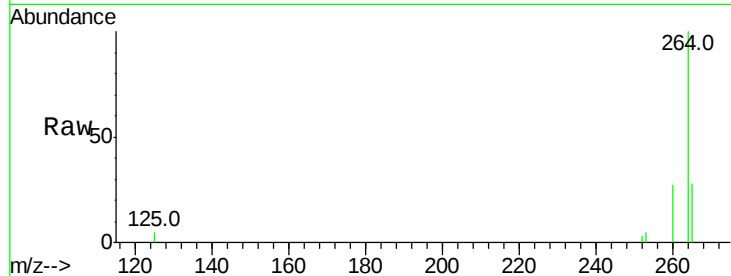




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

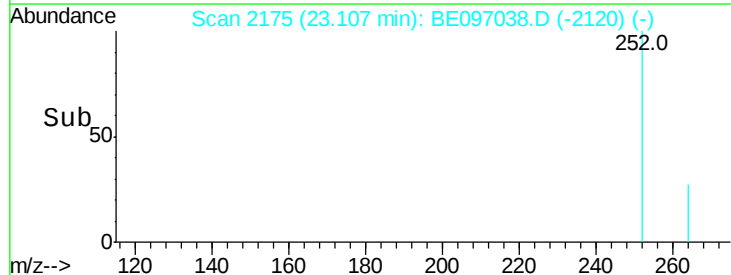
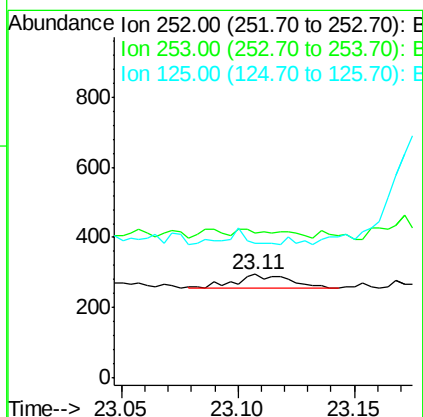
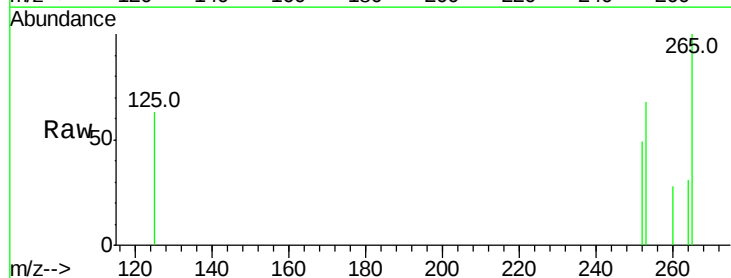
Instrument :
BNA_E
ClientSampleId :
YT-MW-1

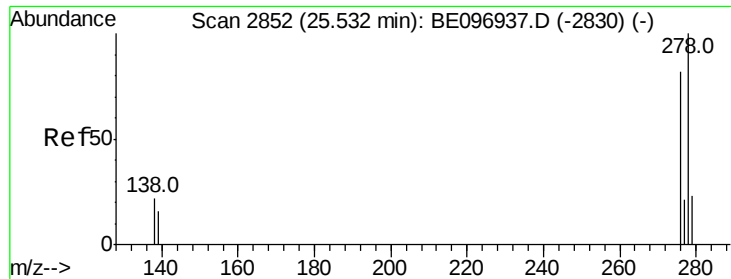
Tot Ion:264 Resp: 16097
Ion Ratio Lower Upper
264 100
260 26.9 20.5 30.7
265 28.2 22.8 34.2



#37
Benzo(a)pyrene
Concen: 0.103 ng
RT: 23.11 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BE097038.D
Acq: 23 Jul 2018 15:21

Tgt Ion:252 Resp: 59
Ion Ratio Lower Upper
252 100
253 140.0 16.0 24.0#
125 130.2 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: BE097038.D

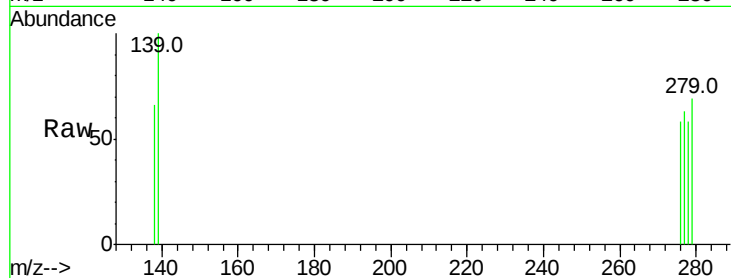
Acq: 23 Jul 2018 15:21

Instrument :

BNA_E

ClientSampleId :

YT-MW-1



Tot Ion:278 Resp: 21

Ion Ratio Lower Upper

278 100

139 173.1 16.0 24.0#

279 120.2 20.0 30.0#

