

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097059.D
 Acq On : 24 Jul 2018 5:43
 Operator : SJ/JU
 Sample : PB111338BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111338BS

Quant Time: Jul 24 06:50:37 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	7.40	152	1365	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5716	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2651	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	6276	0.40	ng	0.00
27) Chrysene-d12	20.98	240	8039	0.40	ng	0.00
34) Perylene-d12	23.21	264	7756	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	1497	0.46	ng	0.00
5) Phenol-d6	6.60	99	1882	0.38	ng	0.00
8) Nitrobenzene-d5	8.53	82	2000	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4547	0.55	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	173	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	4228	0.43	ng	0.00
25) Fluoranthene-d10	18.81	212	28361	0.52	ng	0.00
29) Terphenyl-d14	19.43	244	7220	0.47	ng	0.00

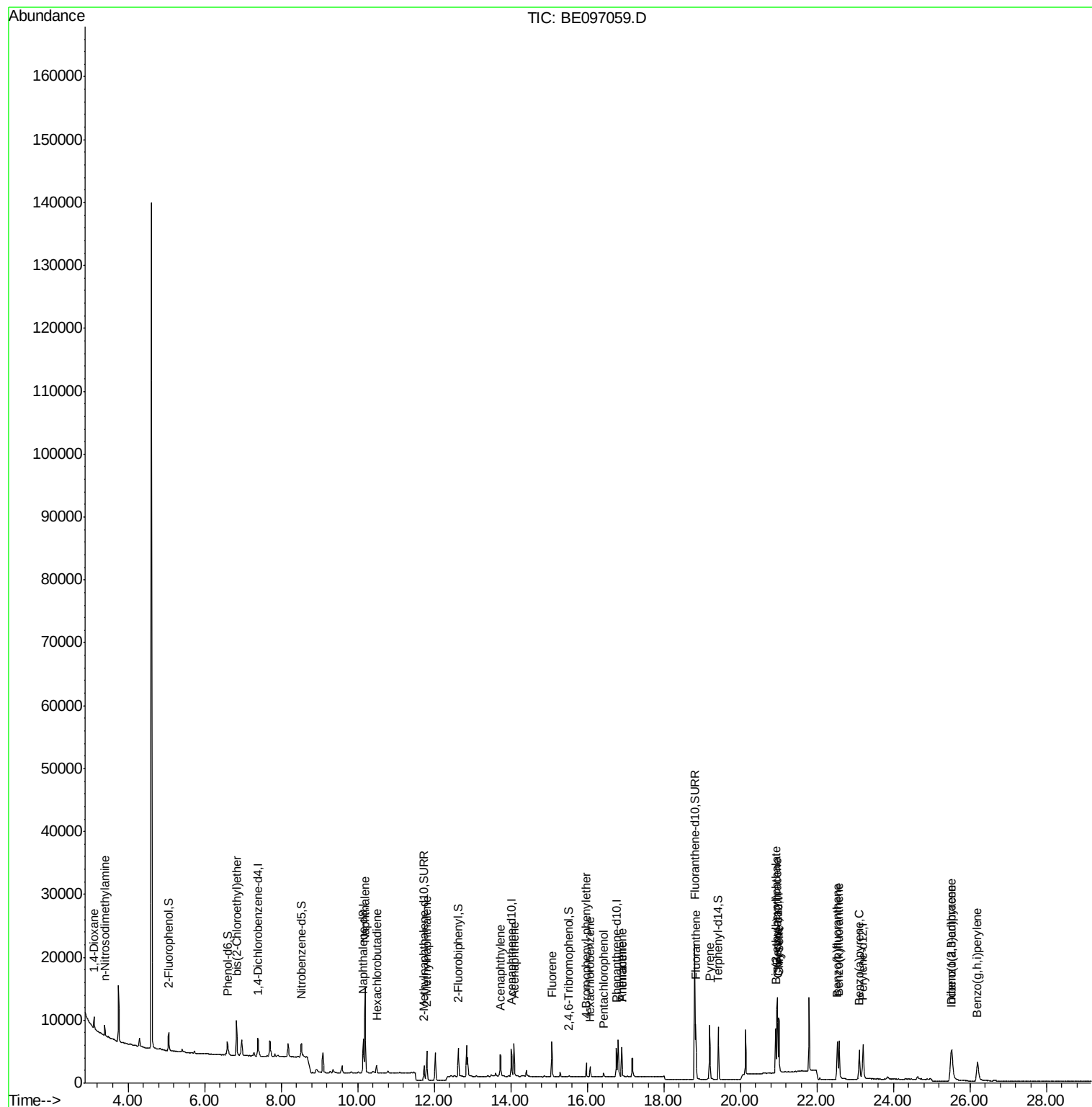
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	779	0.399	ng	# 53
3) n-Nitrosodimethylamine	3.39	42	1049	0.477	ng	# 90
6) bis(2-Chloroethyl)ether	6.84	93	1754	0.359	ng	99
9) Naphthalene	10.20	128	21286	0.416	ng	100
10) Hexachlorobutadiene	10.50	225	932	0.451	ng	96
12) 2-Methylnaphthalene	11.80	142	3333	0.384	ng	97
16) Acenaphthylene	13.73	152	4595	0.380	ng	98
17) Acenaphthene	14.08	154	2702	0.359	ng	# 91
18) Fluorene	15.07	166	3435	0.406	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1141	0.384	ng	# 80
21) Hexachlorobenzene	16.08	284	1255	0.381	ng	# 84
22) Pentachlorophenol	16.43	266	313	0.607	ng	# 78
23) Phenanthrene	16.90	178	5767	0.384	ng	99
24) Anthracene	16.90	178	5692	0.435	ng	95
26) Fluoranthene	18.84	202	7727	0.487	ng	98
28) Pyrene	19.20	202	8024	0.338	ng	99
30) Benzo(a)anthracene	20.95	228	8254	0.431	ng	98
31) Chrysene	21.01	228	8792	0.409	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	10106	0.529	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	9249	0.591	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	7834	0.396	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	8965	0.381	ng	# 93
37) Benzo(a)pyrene	23.11	252	7641	0.440	ng	93
38) Dibenzo(a,h)anthracene	25.53	278	7449	0.503	ng	97
39) Benzo(g,h,i)perylene	26.20	276	7976	0.496	ng	# 89

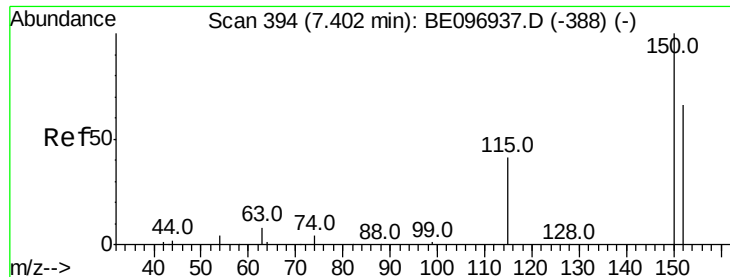
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 394

Delta R.T. 0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

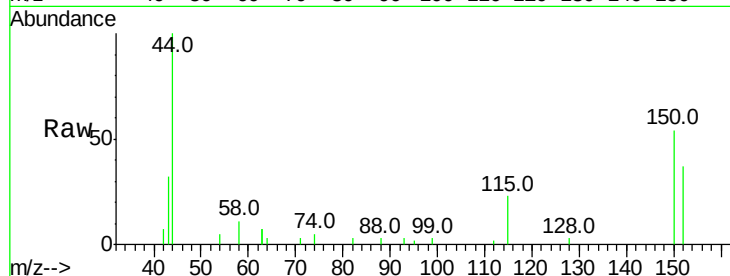
Tot Ion:152 Resp: 1365

Ion Ratio Lower Upper

152 100

150 147.3 117.2 175.8

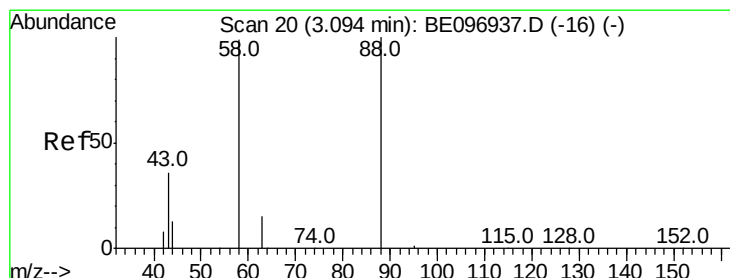
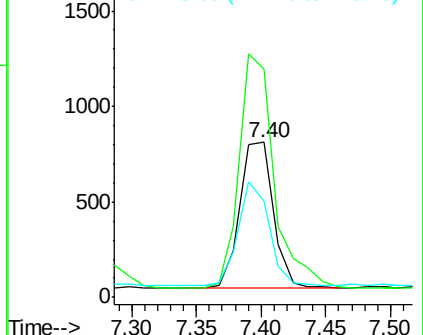
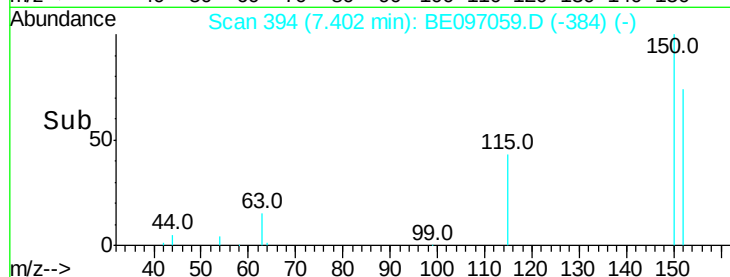
115 62.3 57.0 85.6



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: 0.399 ng

RT: 3.11 min Scan# 21

Delta R.T. 0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

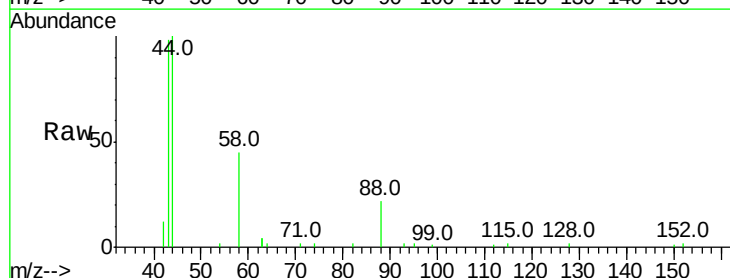
Tgt Ion: 88 Resp: 779

Ion Ratio Lower Upper

88 100

58 101.4 63.2 94.8#

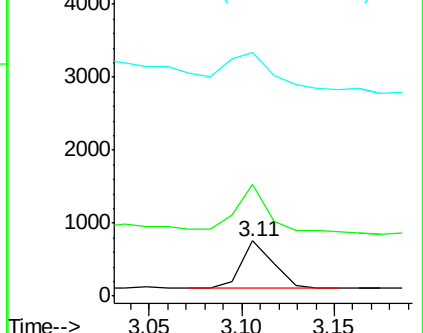
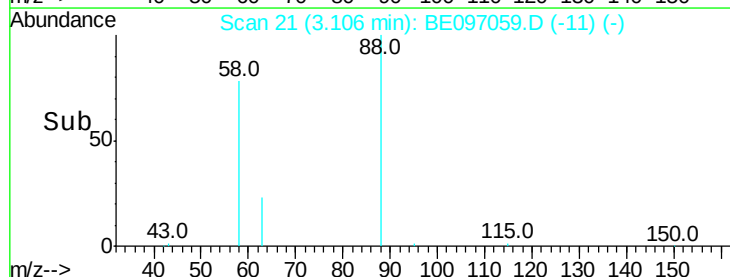
43 106.7 41.2 61.8#

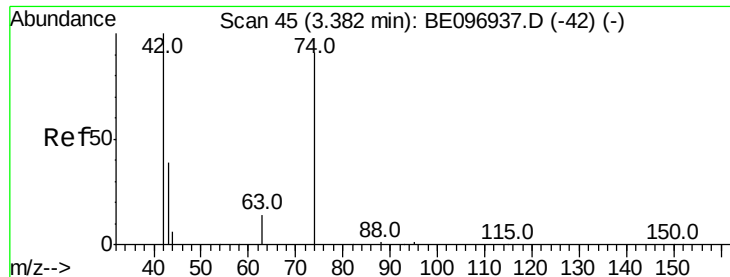


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.477 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

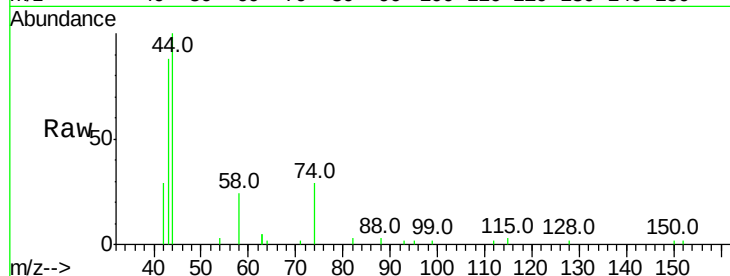
Tot Ion: 42 Resp: 1049

Ion Ratio Lower Upper

42 100

74 112.8 96.0 144.0

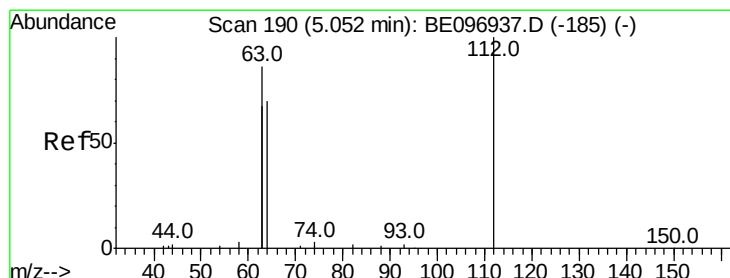
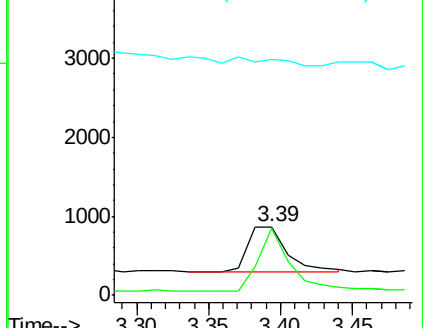
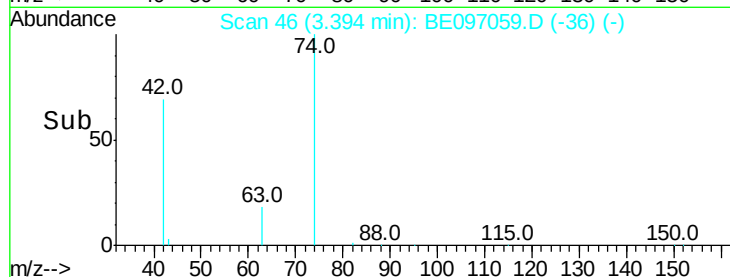
44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.458 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

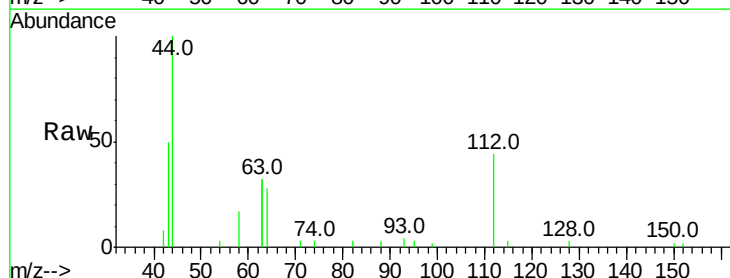
Tgt Ion: 112 Resp: 1497

Ion Ratio Lower Upper

112 100

64 69.1 60.1 90.1

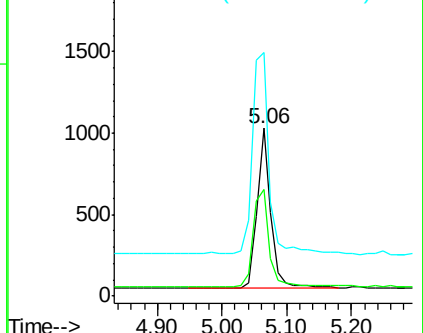
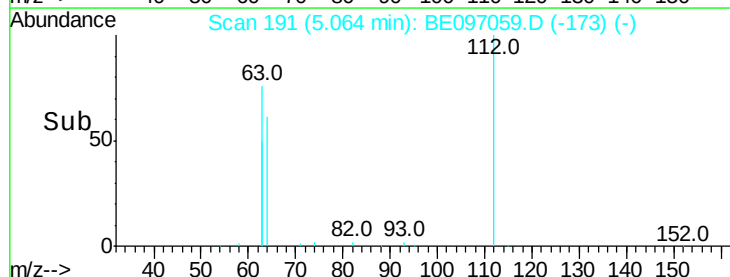
63 149.8 116.8 175.2

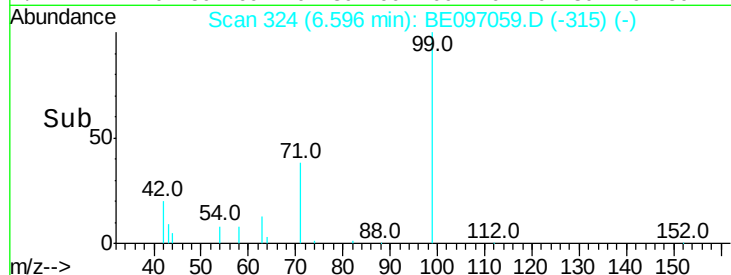
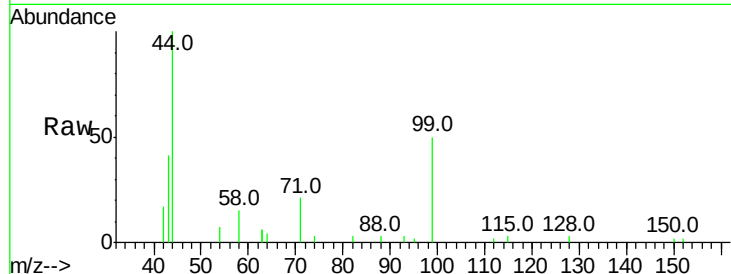
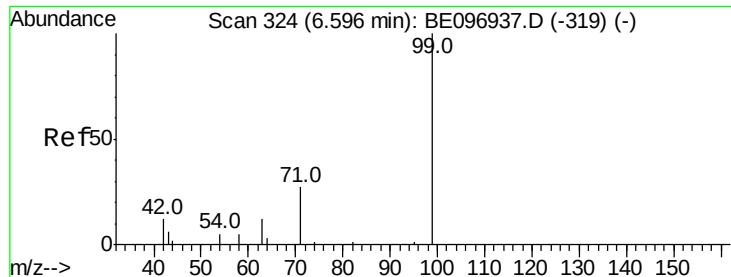


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.378 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

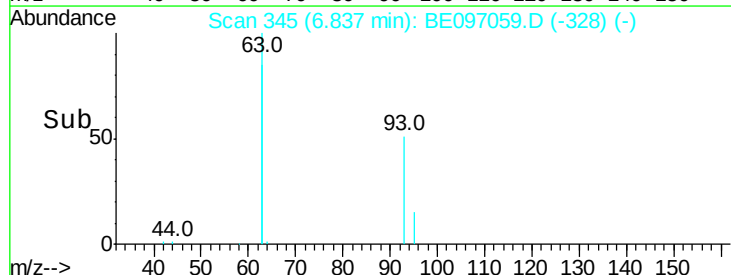
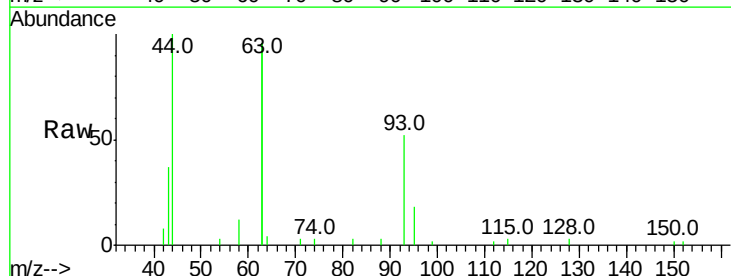
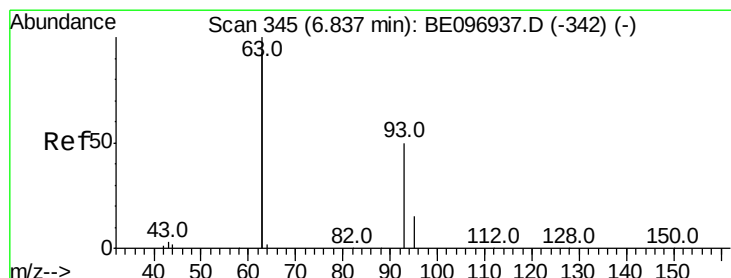
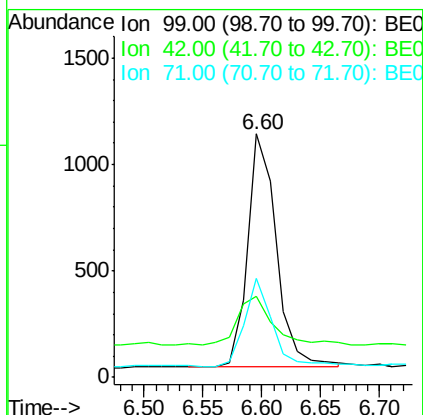
Tot Ion: 99 Resp: 1882

Ion Ratio Lower Upper

99 100

42 24.5 20.2 30.2

71 35.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.359 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

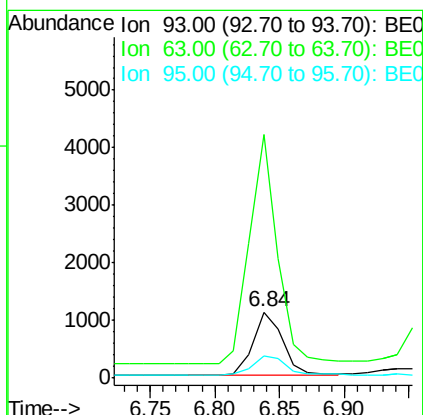
Tgt Ion: 93 Resp: 1754

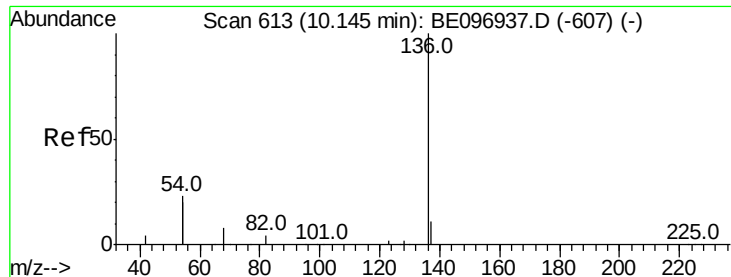
Ion Ratio Lower Upper

93 100

63 347.2 275.3 412.9

95 32.6 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: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

Tot Ion:136 Resp: 5716

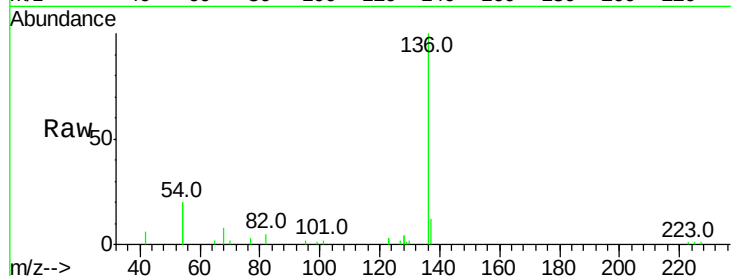
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 39.6 29.1 43.7

68 7.9 6.2 9.2

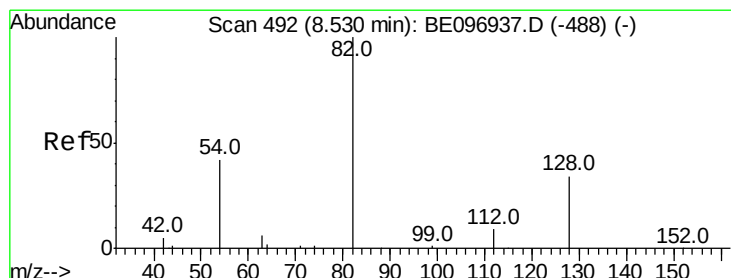
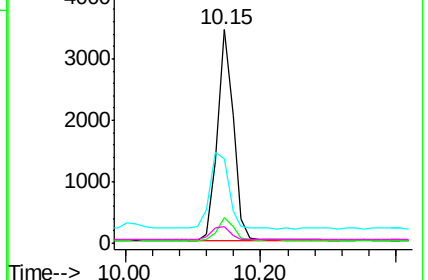
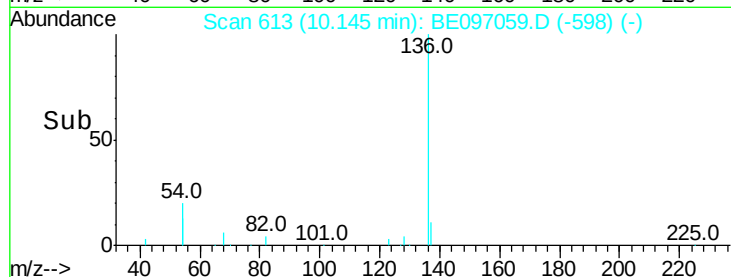


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.480 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

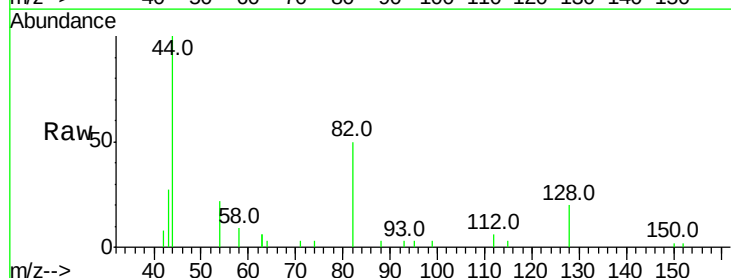
Tgt Ion: 82 Resp: 2000

Ion Ratio Lower Upper

82 100

128 39.5 24.0 36.0#

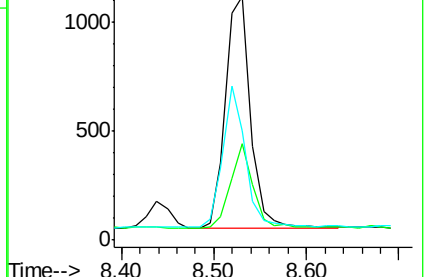
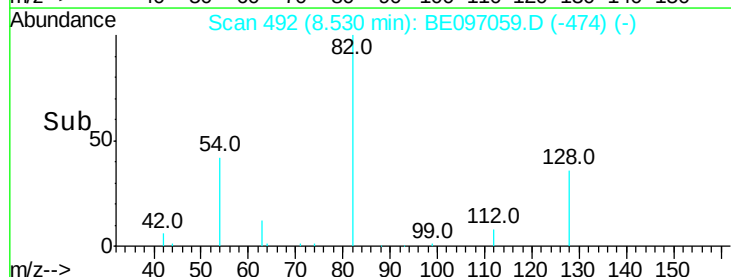
54 44.7 40.0 60.0

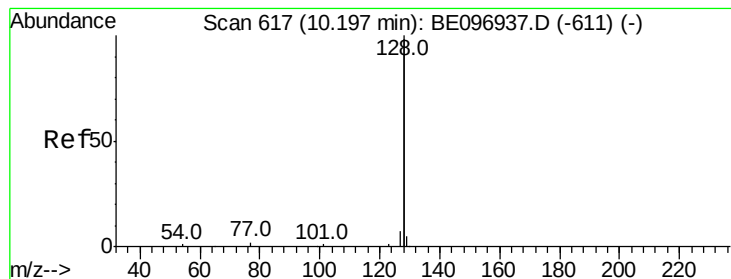


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.416 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

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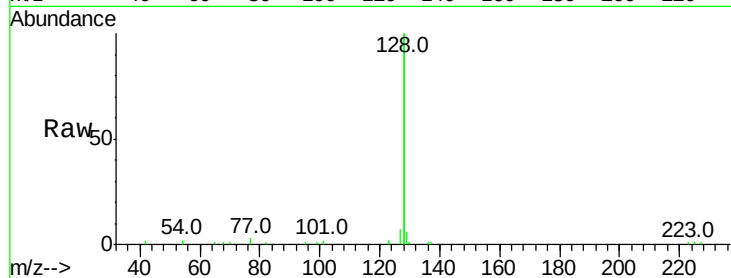
Tot Ion:128 Resp: 21286

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

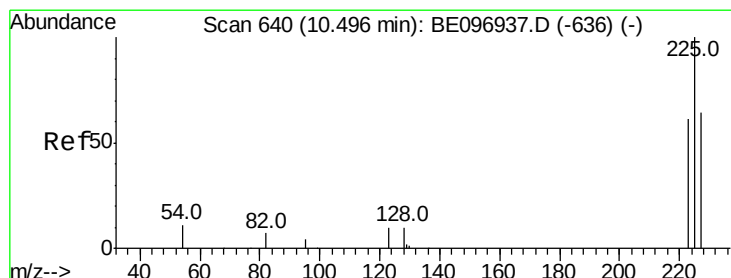
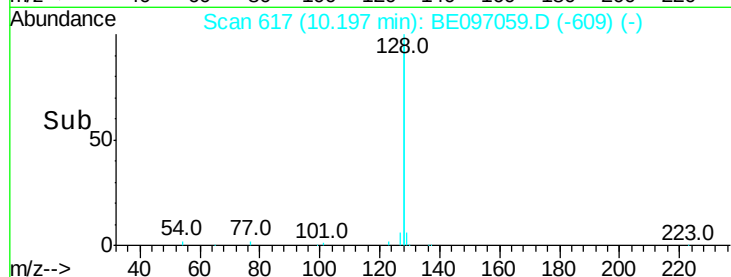
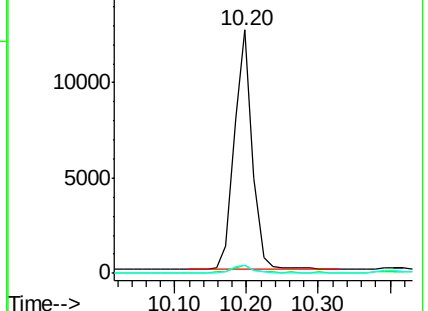
127 3.5 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.451 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

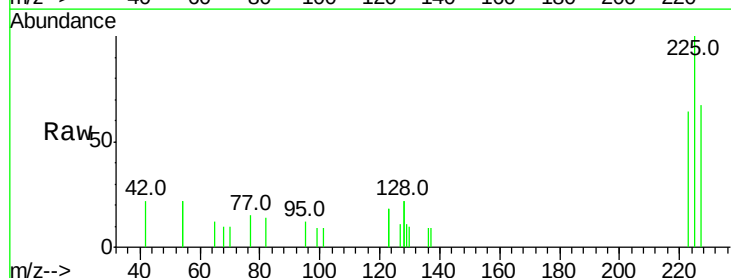
Tgt Ion:225 Resp: 932

Ion Ratio Lower Upper

225 100

223 63.0 53.0 79.6

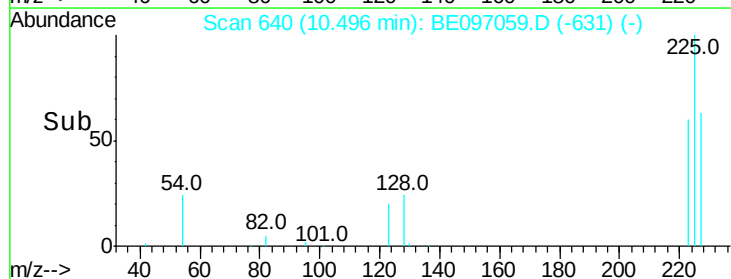
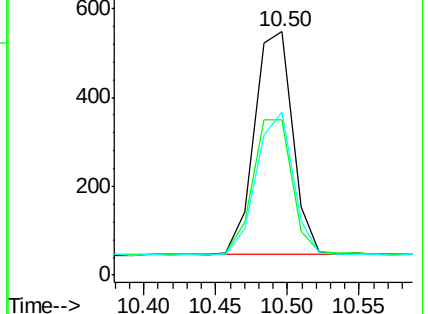
227 62.0 51.4 77.2

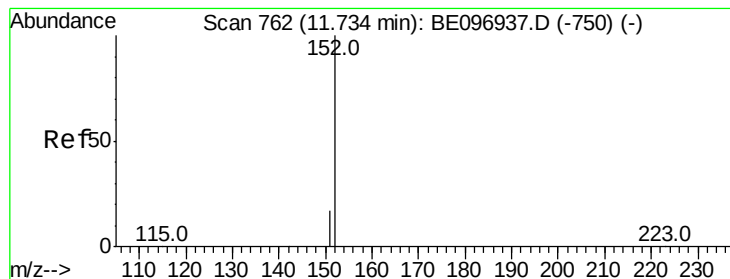


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.546 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

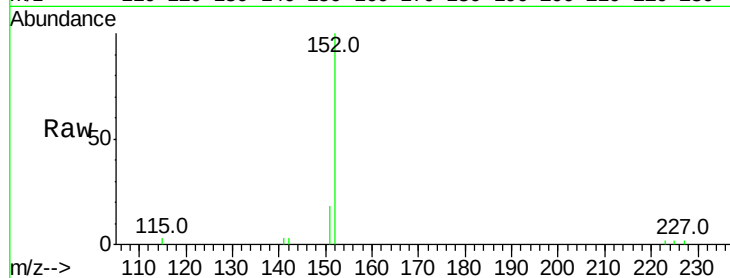
PB111338BS

Tot Ion:152 Resp: 4547

Ion Ratio Lower Upper

152 100

151 12.7 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

2000

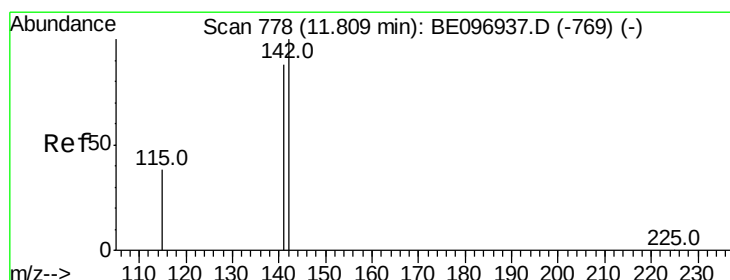
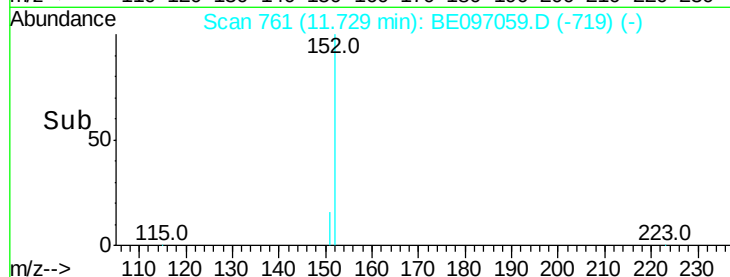
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.384 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

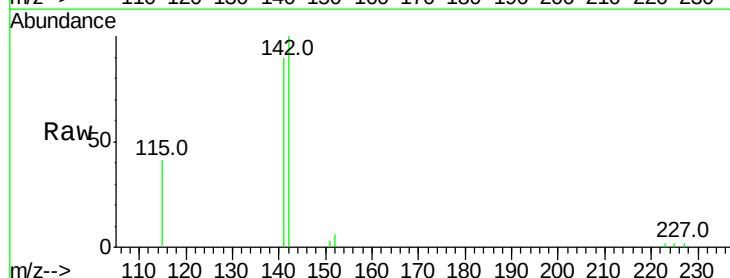
Tgt Ion:142 Resp: 3333

Ion Ratio Lower Upper

142 100

141 90.4 70.4 105.6

115 41.4 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

11.80

2500

2000

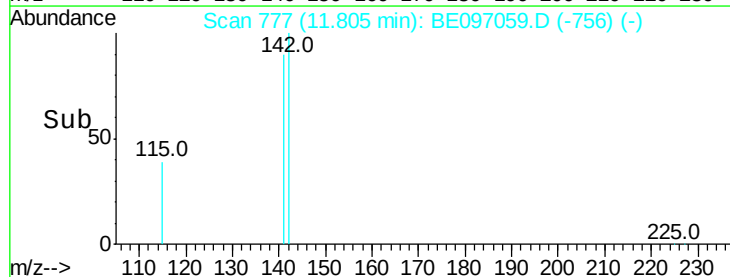
1500

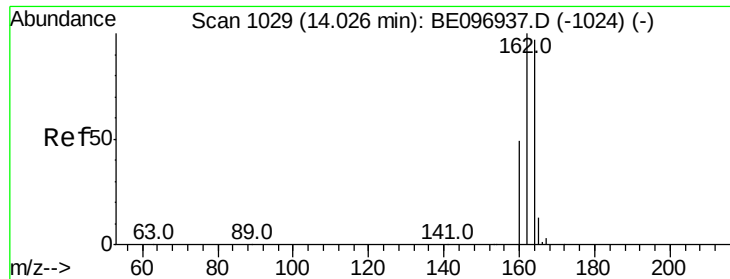
1000

500

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

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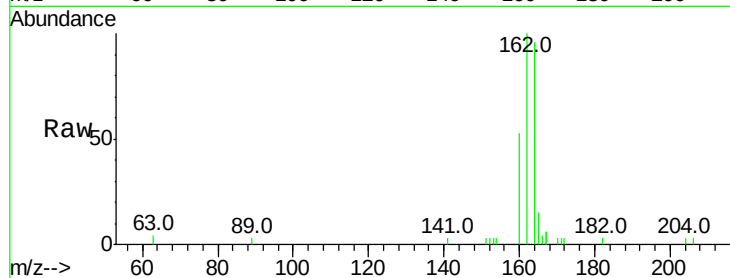
Tot Ion:164 Resp: 2651

Ion Ratio Lower Upper

164 100

162 103.9 83.1 124.7

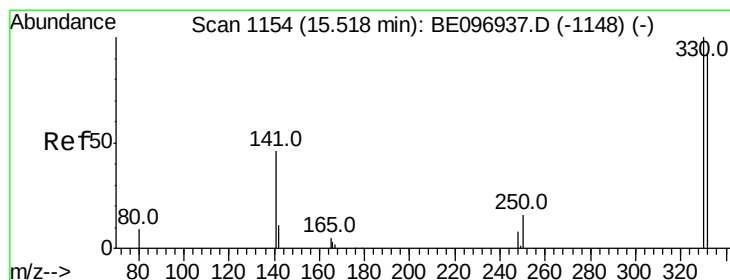
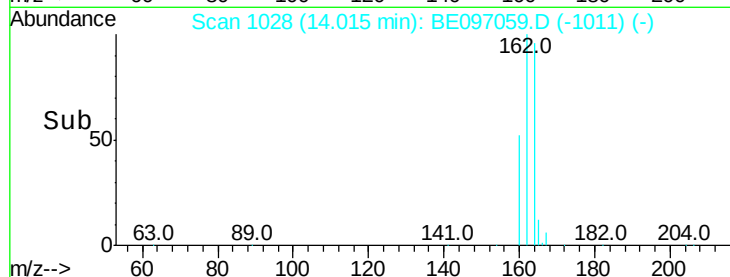
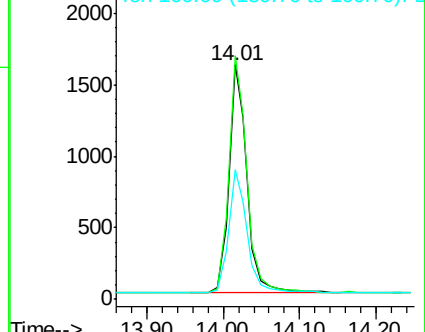
160 55.6 37.1 55.7



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: 0.317 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

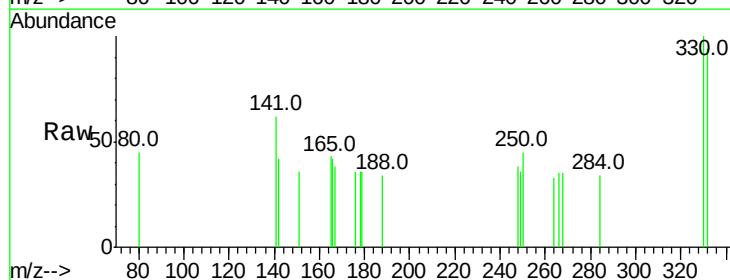
Tgt Ion:330 Resp: 173

Ion Ratio Lower Upper

330 100

332 91.9 152.7 229.1#

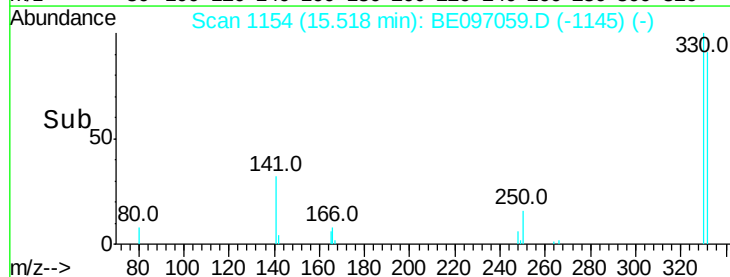
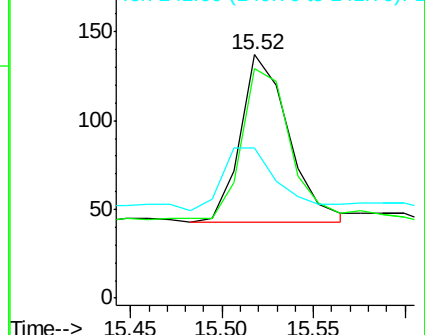
141 45.1 33.7 50.5

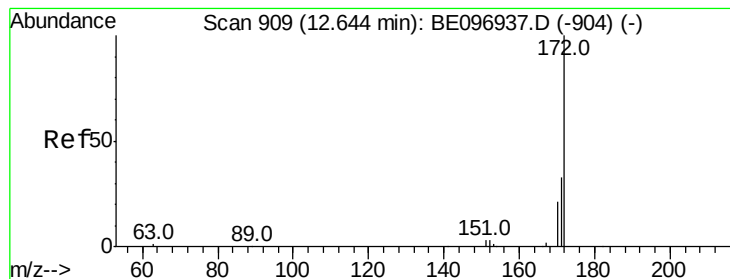


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.429 ng

RT: 12.63 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

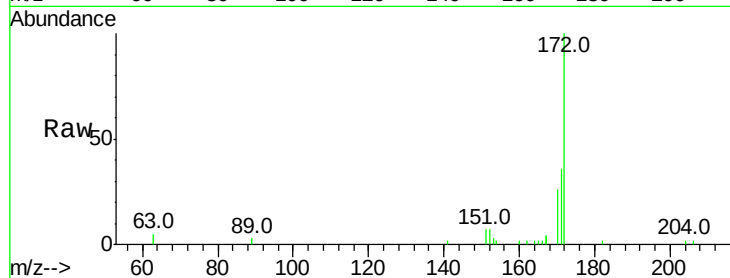
Tot Ion:172 Resp: 4228

Ion Ratio Lower Upper

172 100

171 36.4 29.9 44.9

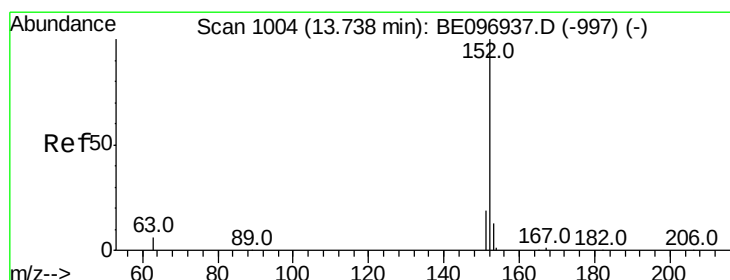
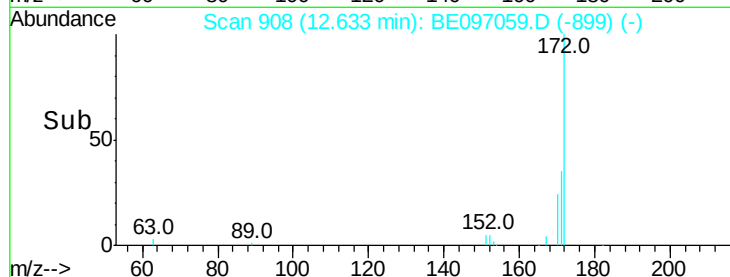
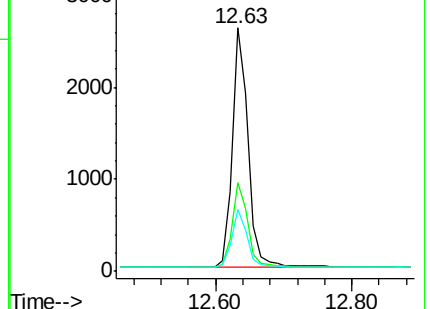
170 25.5 21.8 32.8



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: 0.380 ng

RT: 13.73 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

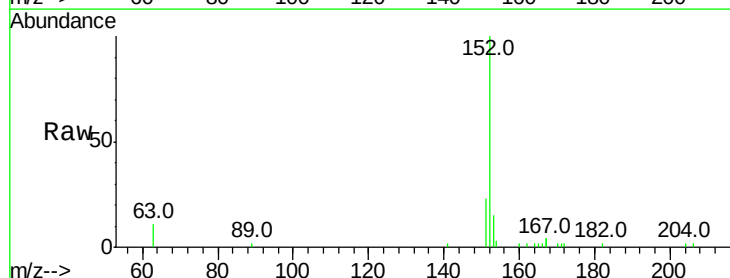
Tgt Ion:152 Resp: 4595

Ion Ratio Lower Upper

152 100

151 20.9 15.7 23.5

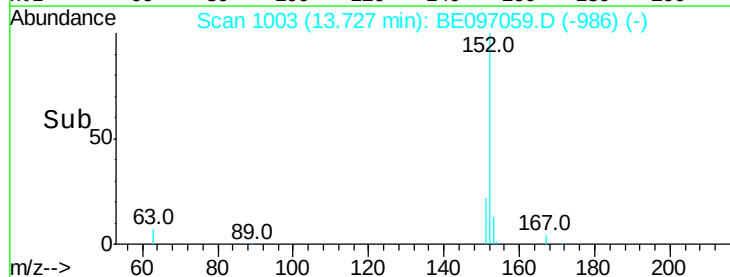
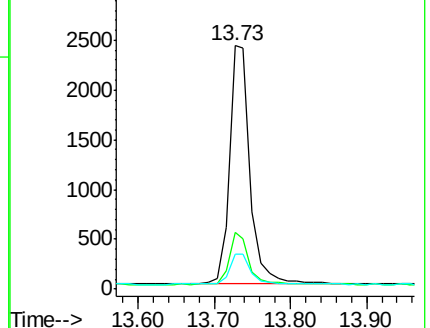
153 13.3 10.5 15.7

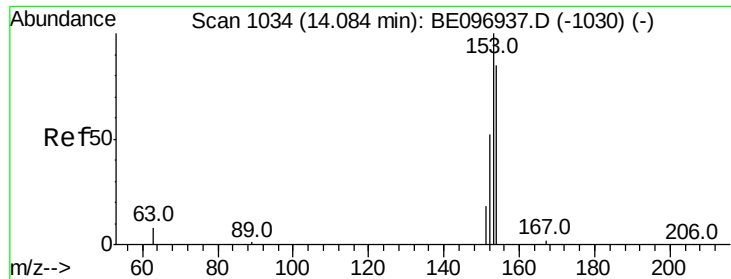


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.359 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

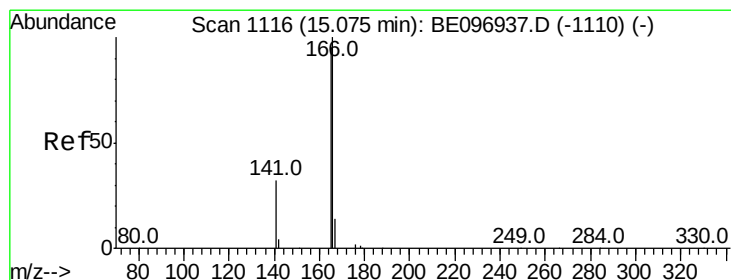
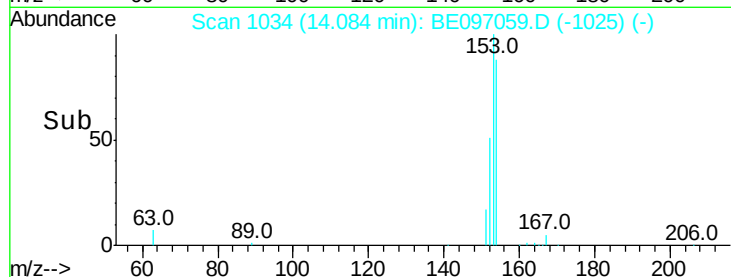
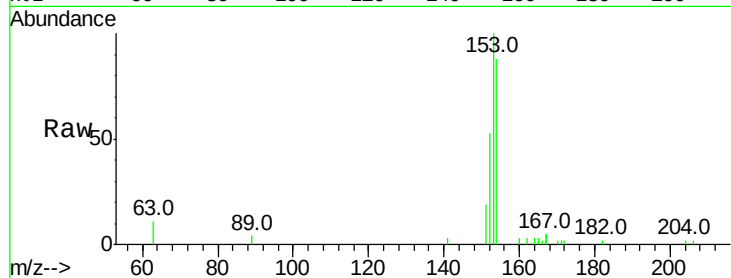
Tot Ion:154 Resp: 2702

Ion Ratio Lower Upper

154 100

153 117.2 89.2 133.8

152 63.4 42.0 63.0#



#18

Fluorene

Concen: 0.406 ng

RT: 15.07 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

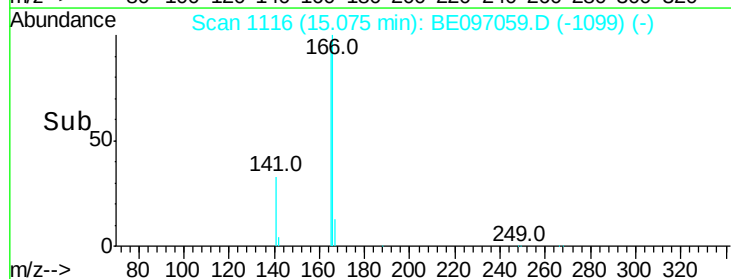
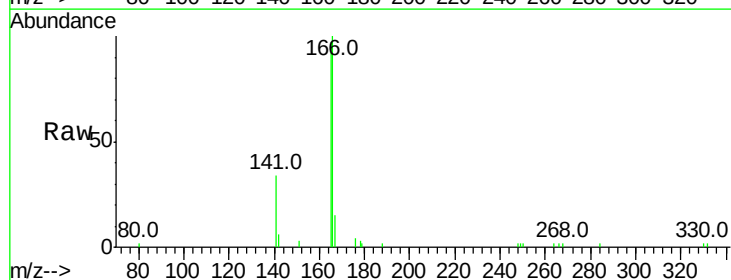
Tgt Ion:166 Resp: 3435

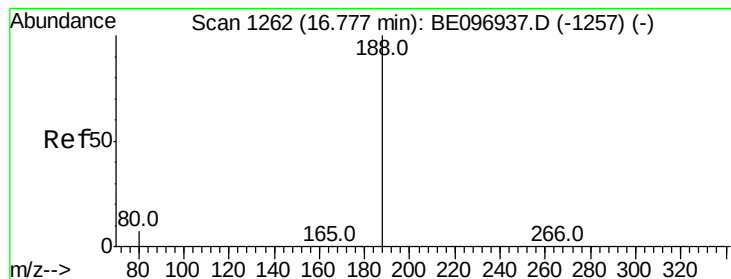
Ion Ratio Lower Upper

166 100

165 98.6 77.8 116.6

167 13.1 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

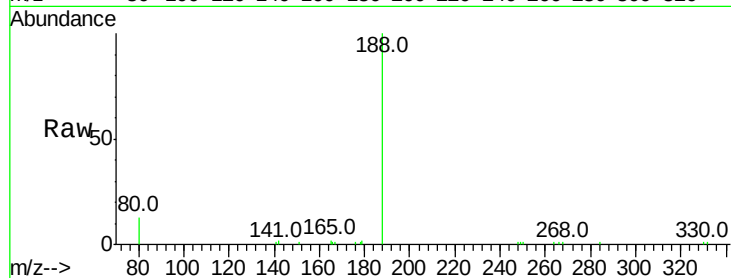
Tot Ion:188 Resp: 6276

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

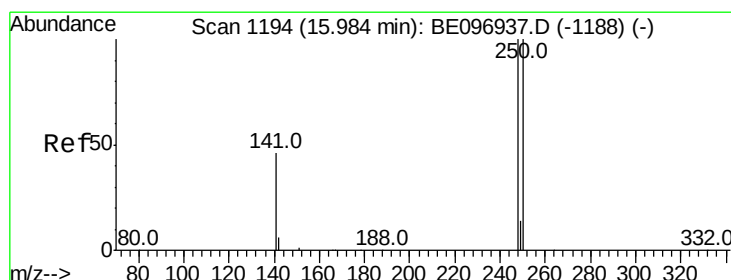
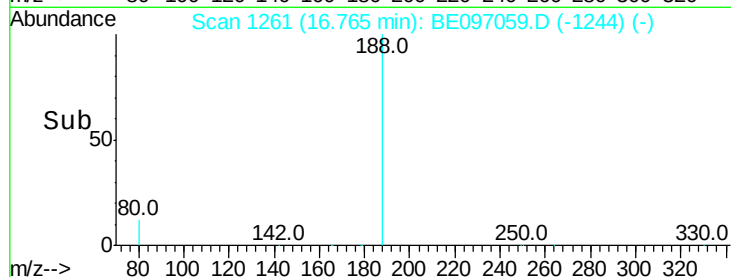
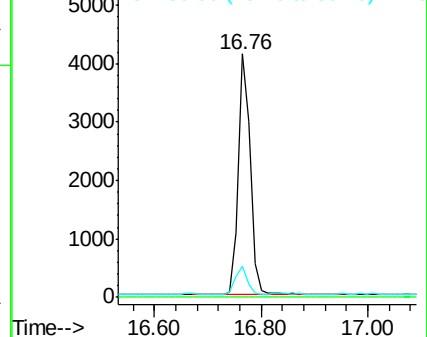
80 12.9 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.384 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

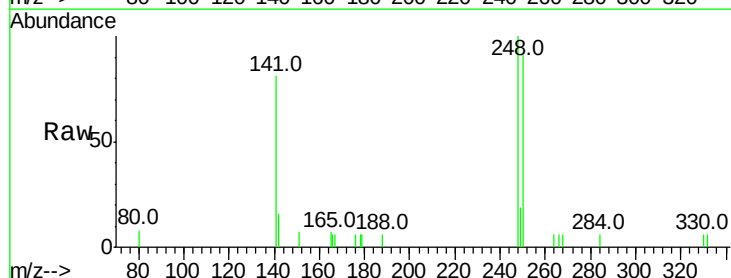
Tgt Ion:248 Resp: 1141

Ion Ratio Lower Upper

248 100

250 90.5 62.7 94.1

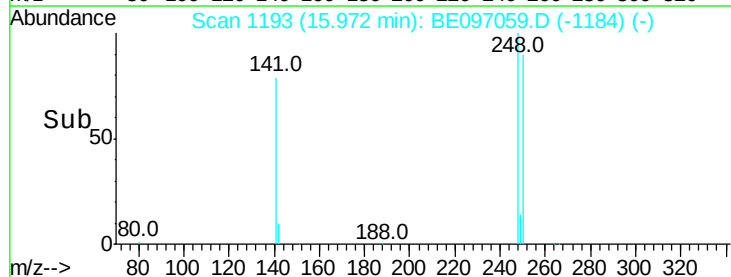
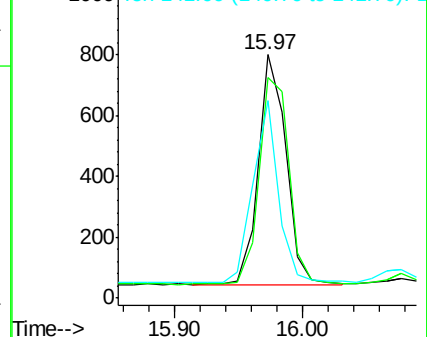
141 80.9 48.2 72.2#

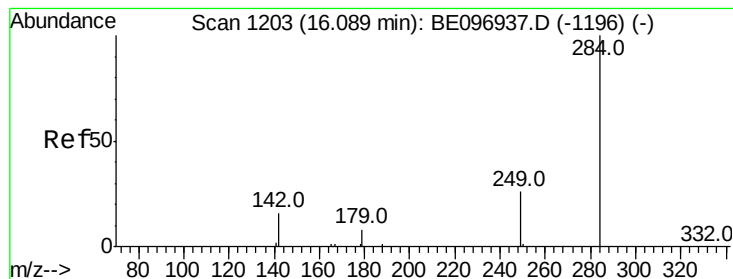


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.381 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

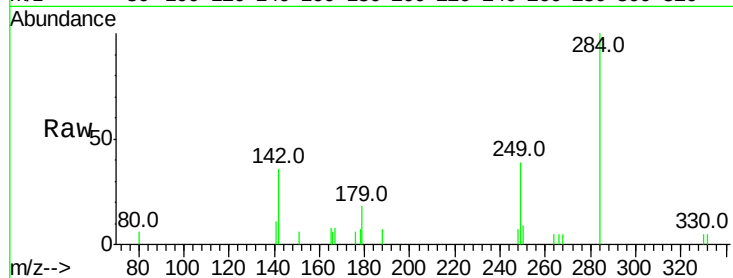
Tot Ion:284 Resp: 1255

Ion Ratio Lower Upper

284 100

142 34.3 22.1 33.1#

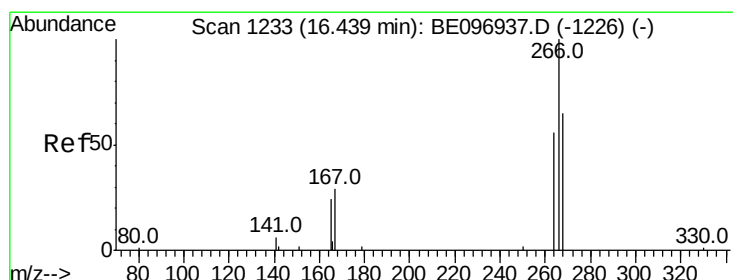
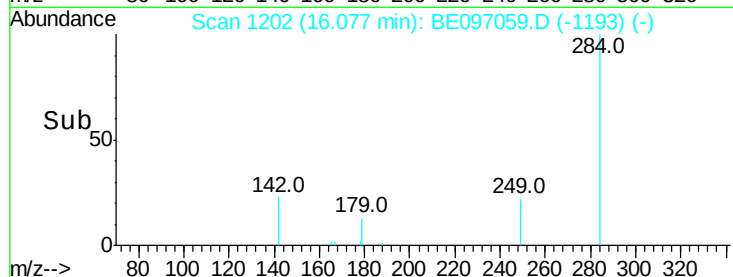
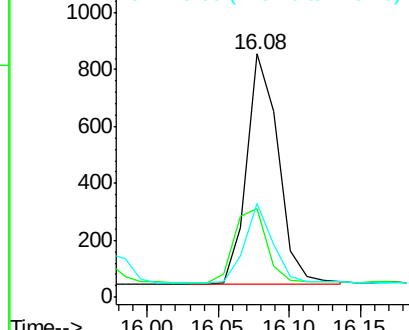
249 31.8 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.607 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

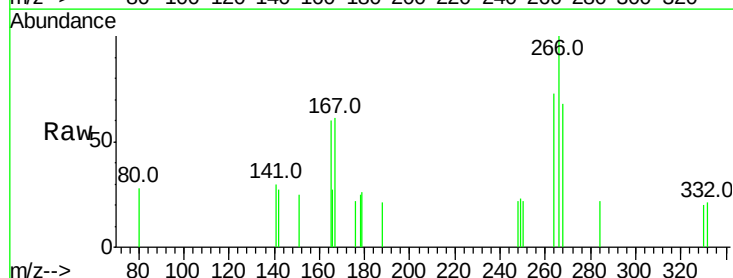
Tgt Ion:266 Resp: 313

Ion Ratio Lower Upper

266 100

264 73.5 72.5 108.7

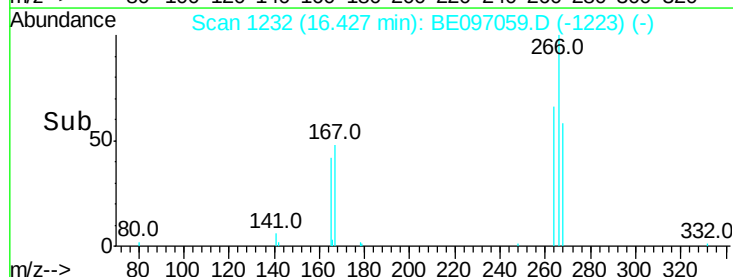
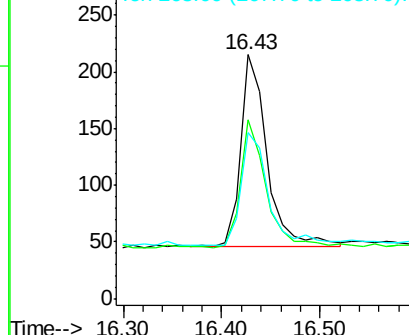
268 67.9 73.8 110.6#

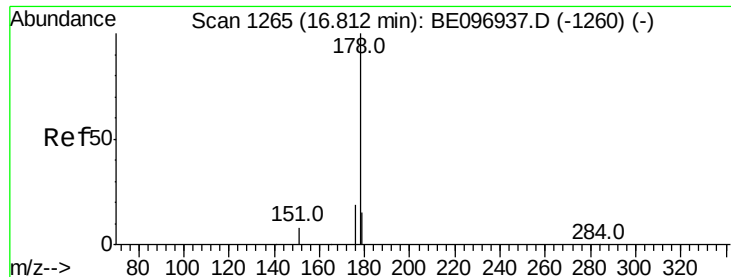


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.384 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.09 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

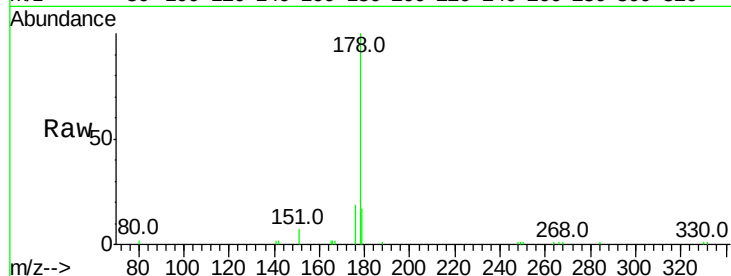
Tot Ion:178 Resp: 5767

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

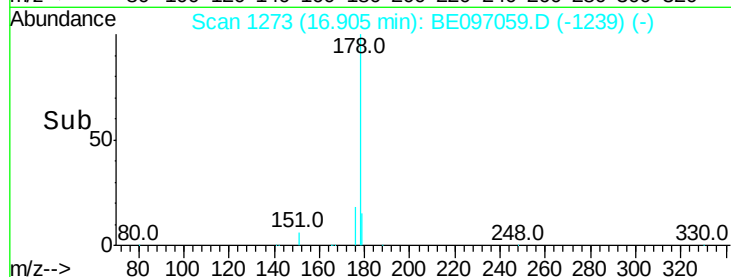
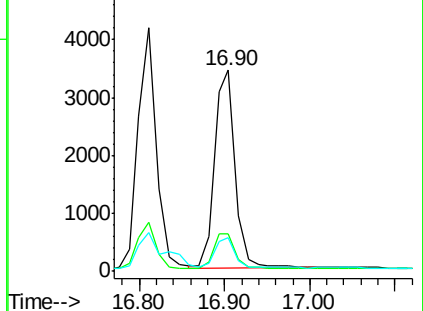
179 15.1 11.8 17.6



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



#24

Anthracene

Concen: 0.435 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

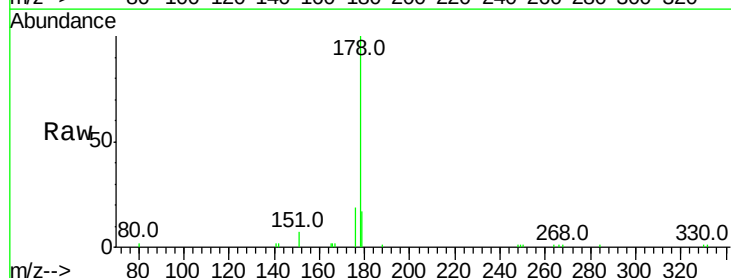
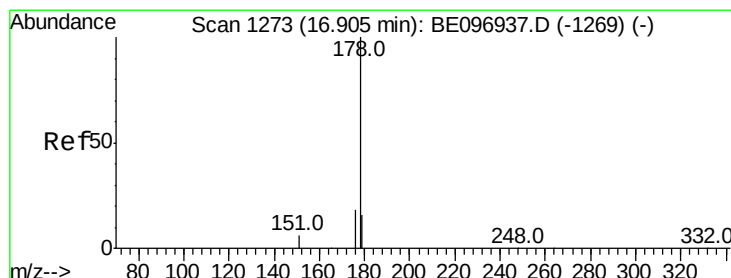
Tgt Ion:178 Resp: 5692

Ion Ratio Lower Upper

178 100

176 18.4 12.8 19.2

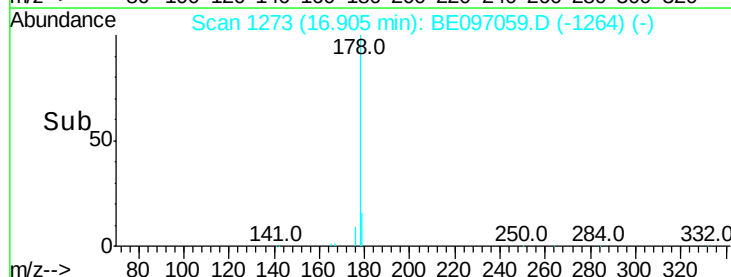
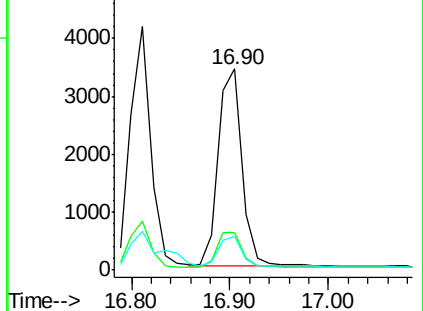
179 14.6 13.0 19.6

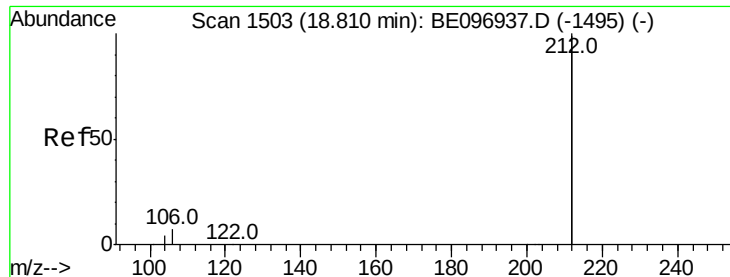


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

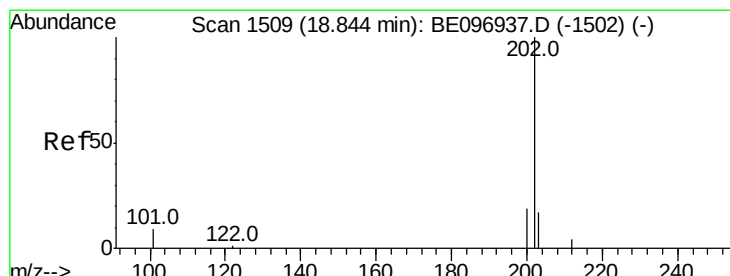
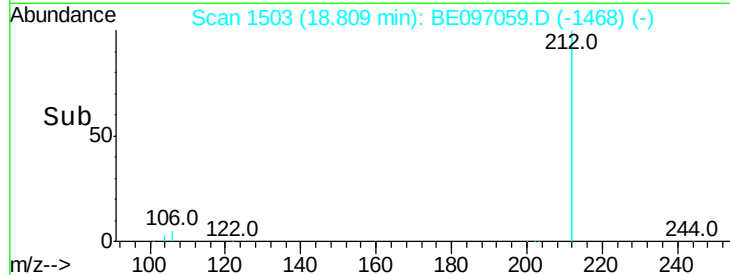
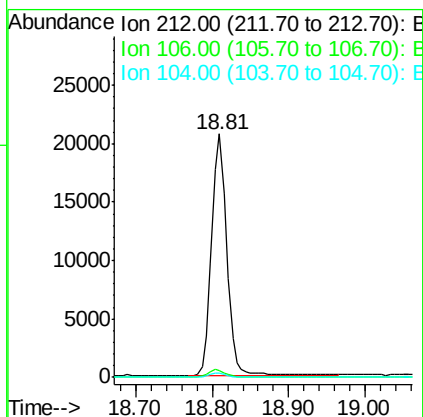
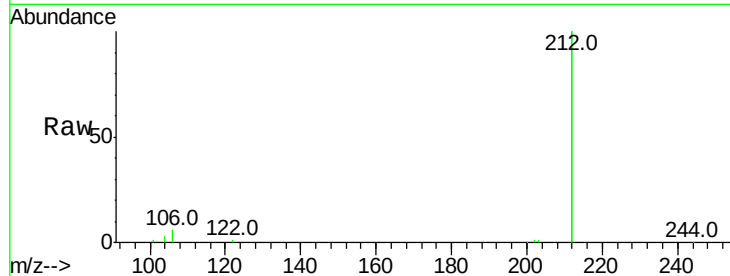




#25
 Fluoranthene-d10
 Concen: 0.519 ng
 RT: 18.81 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BE097059.D
 Acq: 24 Jul 2018 5:43

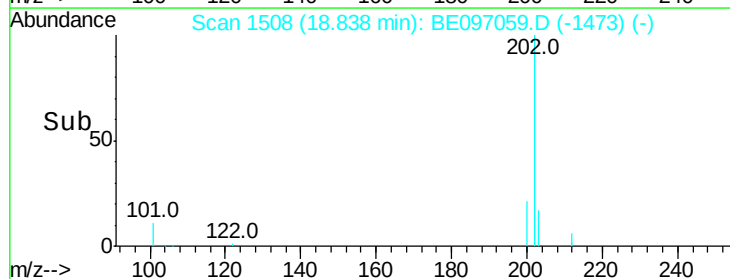
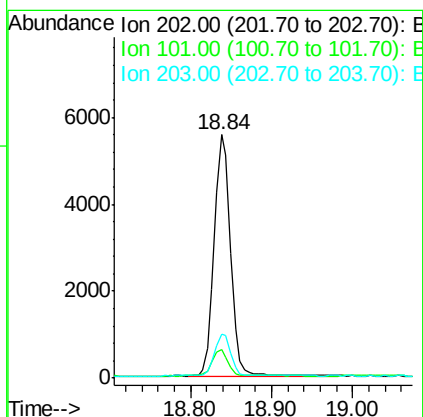
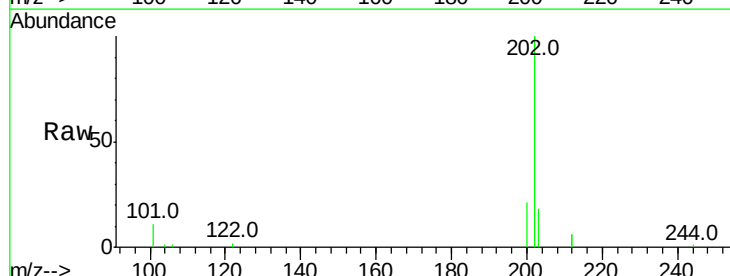
Instrument :
 BNA_E
 ClientSampleId :
 PB111338BS

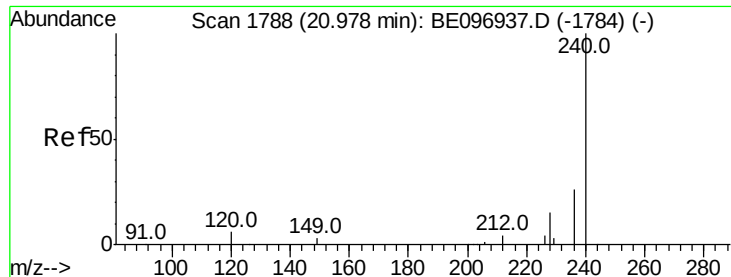
Tot Ion:212 Resp: 28361
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.8 4.2
 104 1.7 1.6 2.4



#26
 Fluoranthene
 Concen: 0.487 ng
 RT: 18.84 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: BE097059.D
 Acq: 24 Jul 2018 5:43

Tgt Ion:202 Resp: 7727
 Ion Ratio Lower Upper
 202 100
 101 10.8 9.8 14.8
 203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

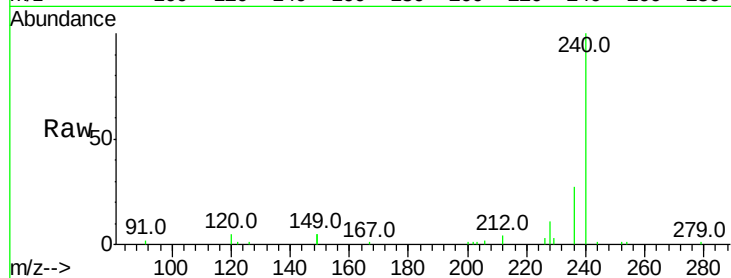
Tot Ion:240 Resp: 8039

Ion Ratio Lower Upper

240 100

120 4.8 5.5 8.3#

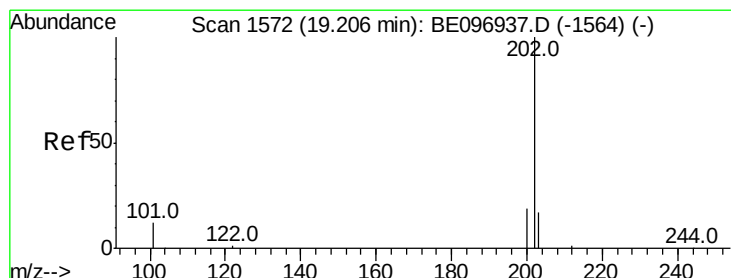
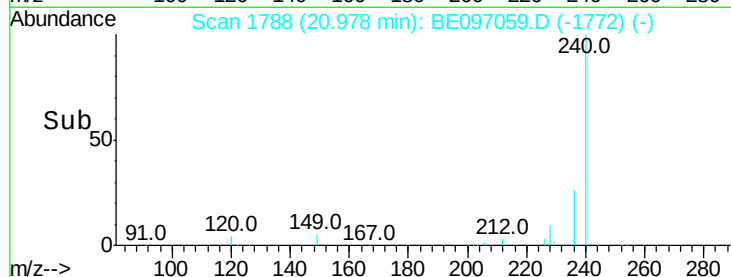
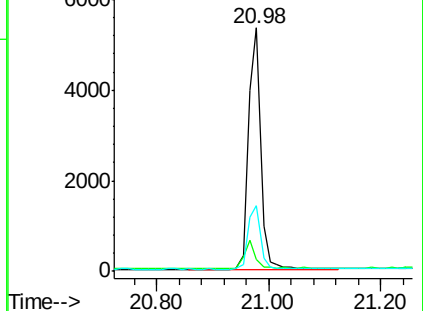
236 27.1 20.7 31.1



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: 0.338 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

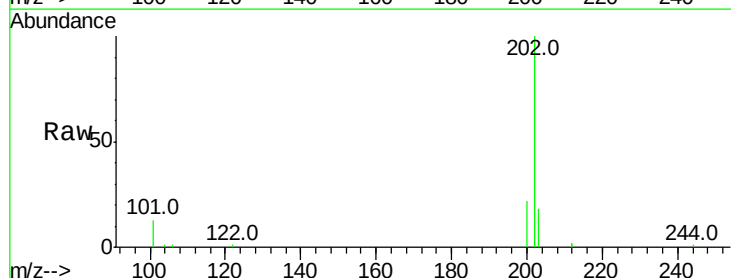
Tgt Ion:202 Resp: 8024

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

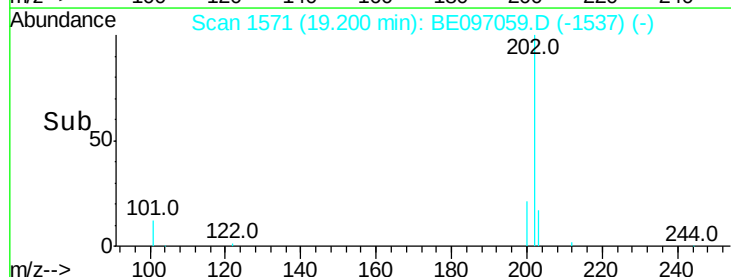
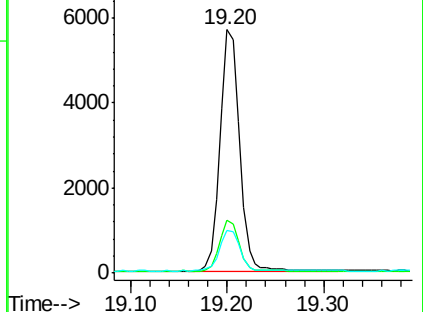
203 18.0 13.8 20.8

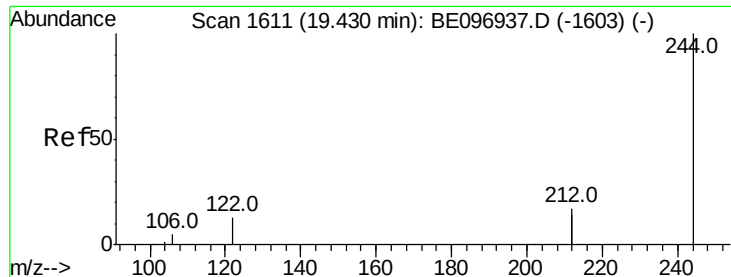


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.466 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

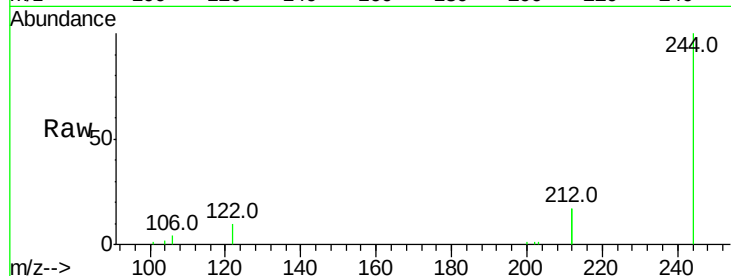
Tot Ion:244 Resp: 7220

Ion Ratio Lower Upper

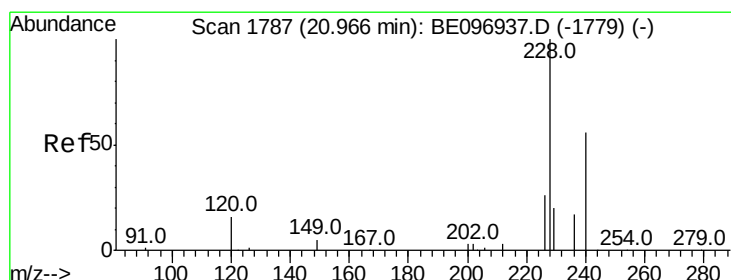
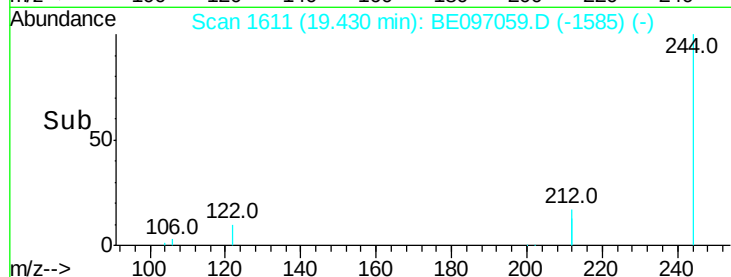
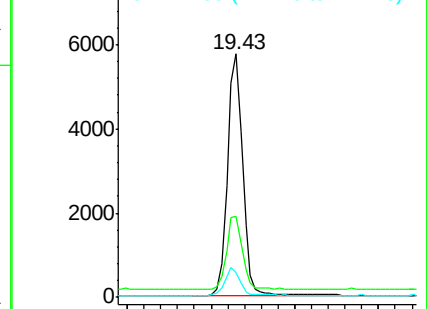
244 100

212 33.2 25.4 38.0

122 10.4 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



#30

Benzo(a)anthracene

Concen: 0.431 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

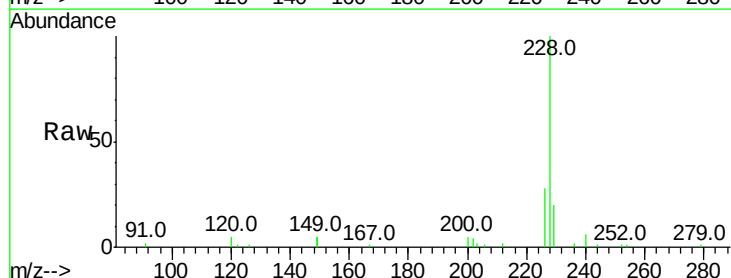
Tgt Ion:228 Resp: 8254

Ion Ratio Lower Upper

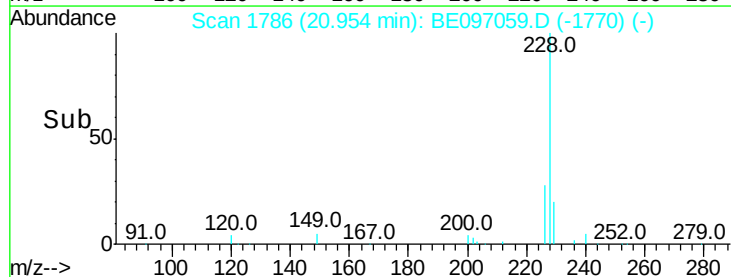
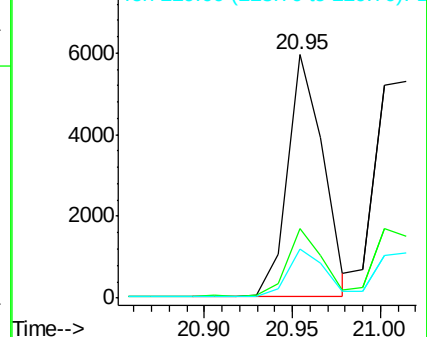
228 100

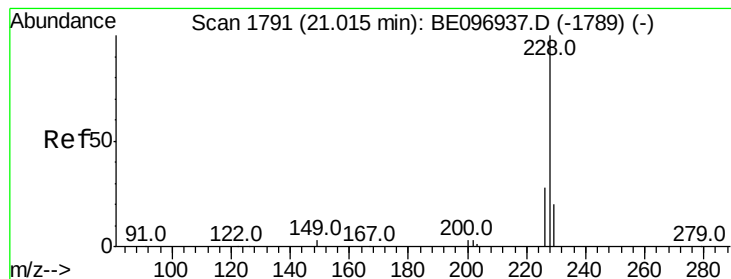
226 28.4 24.0 36.0

229 20.2 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: 0.409 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

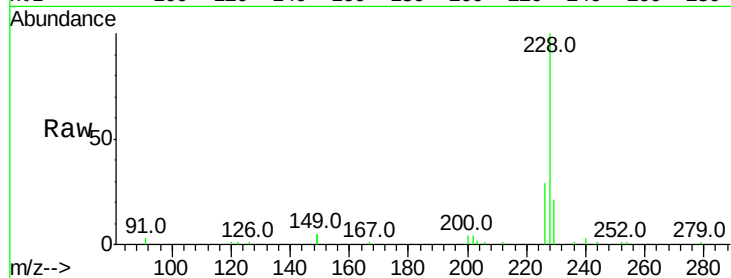
Tot Ion:228 Resp: 8792

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

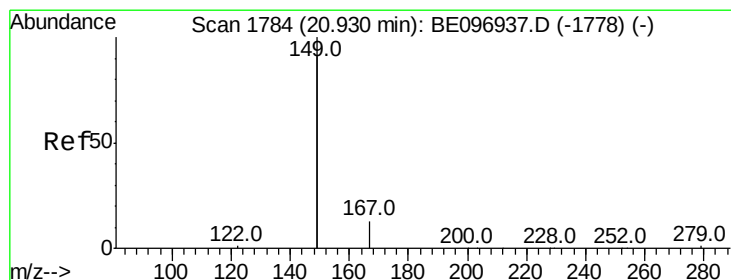
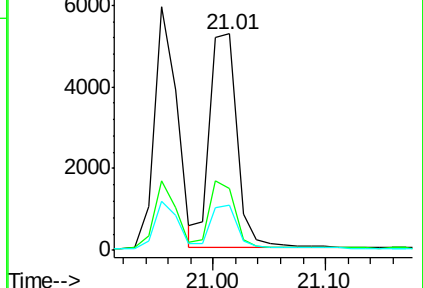
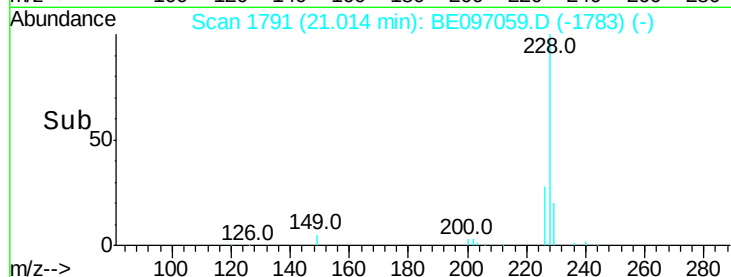
229 21.1 16.0 24.0



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: 0.529 ng

RT: 20.93 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

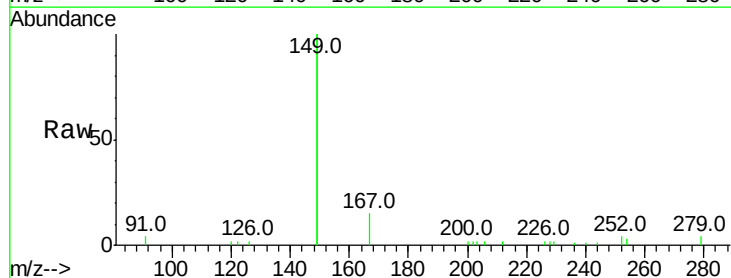
Tgt Ion:149 Resp: 10106

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

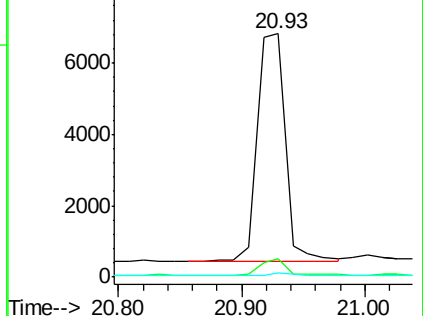
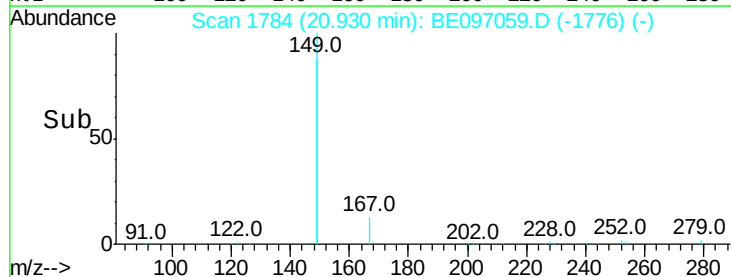
279 0.9 0.7 1.1

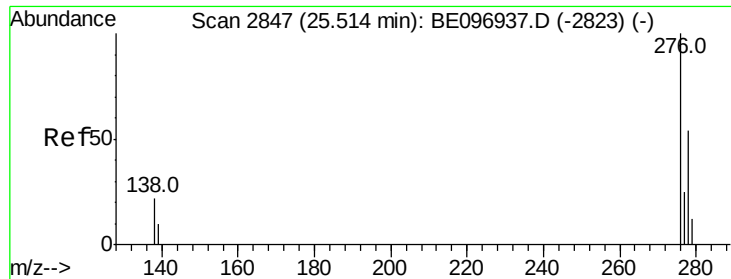


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.591 ng

RT: 25.50 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

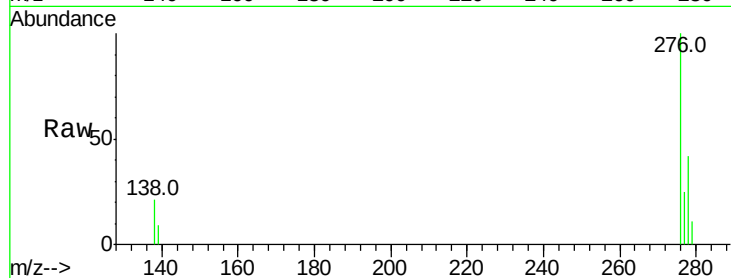
Tot Ion:276 Resp: 9249

Ion Ratio Lower Upper

276 100

138 21.4 22.5 33.7#

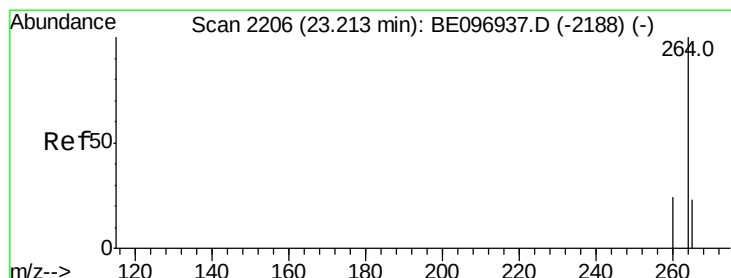
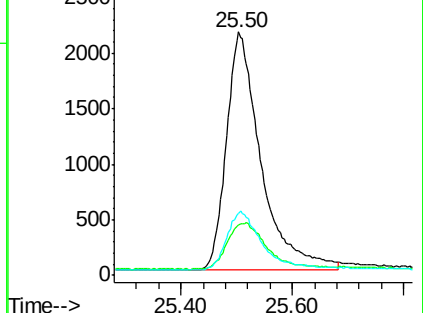
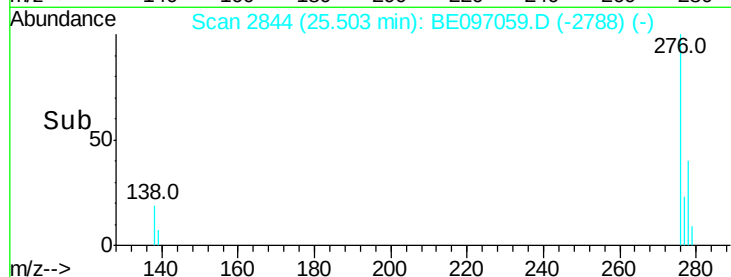
277 25.0 19.9 29.9



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

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

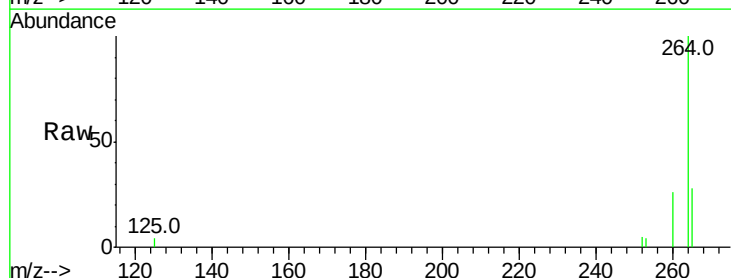
Tgt Ion:264 Resp: 7756

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

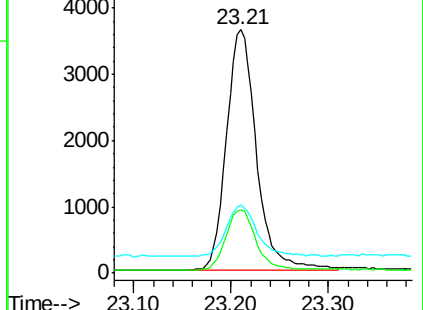
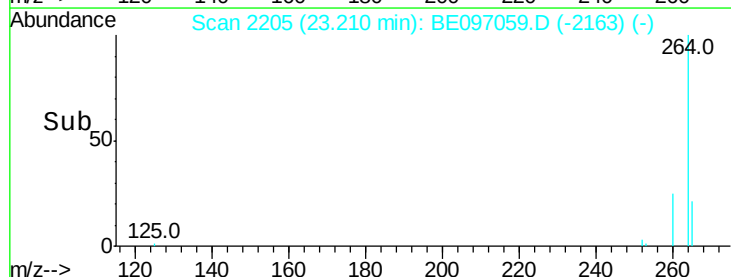
265 27.9 22.8 34.2

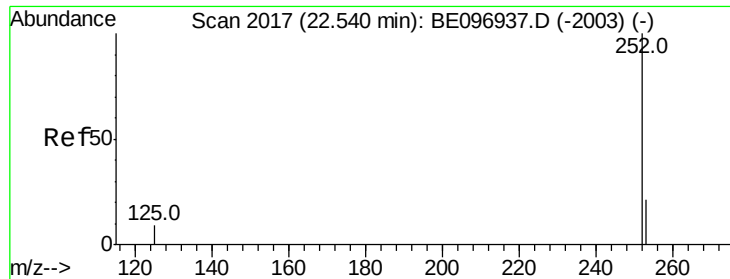


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

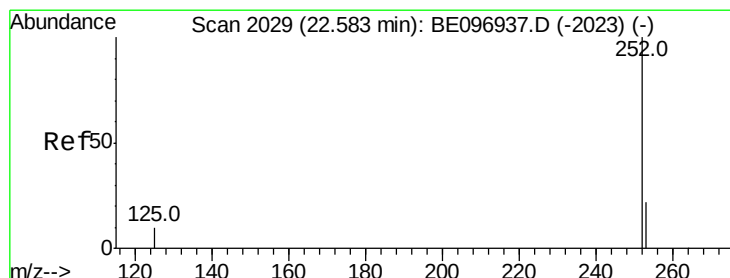
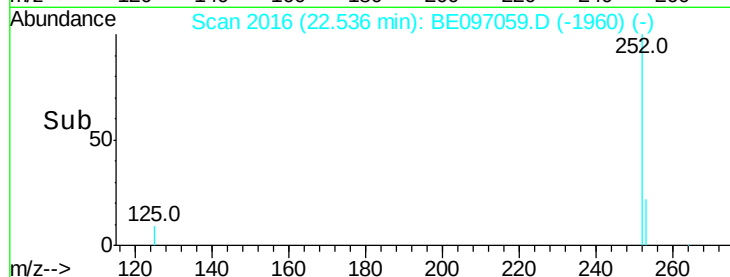
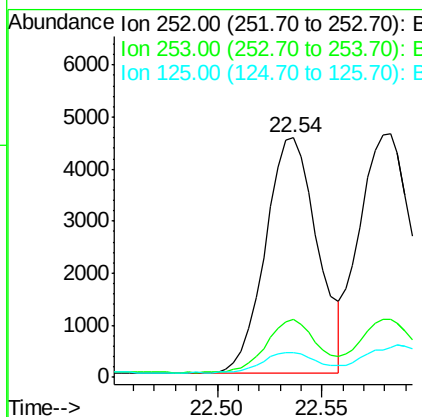
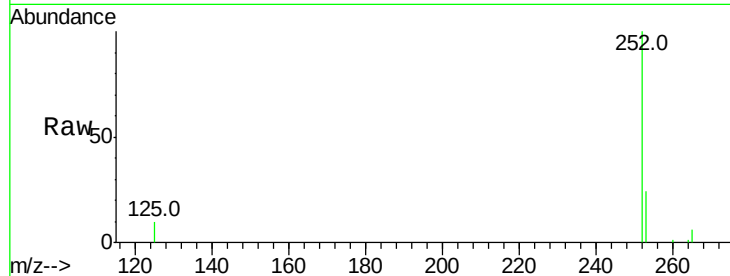




#35
Benzo(b)fluoranthene
Concen: 0.396 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097059.D
Acq: 24 Jul 2018 5:43

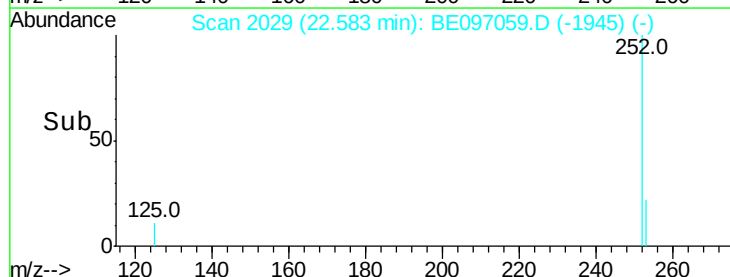
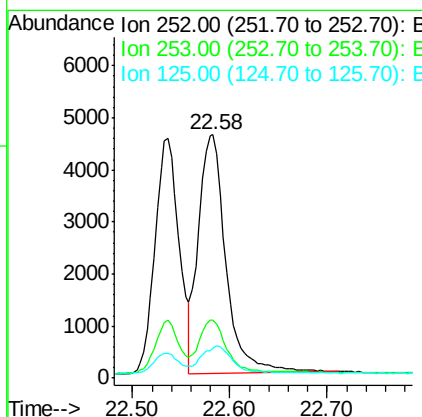
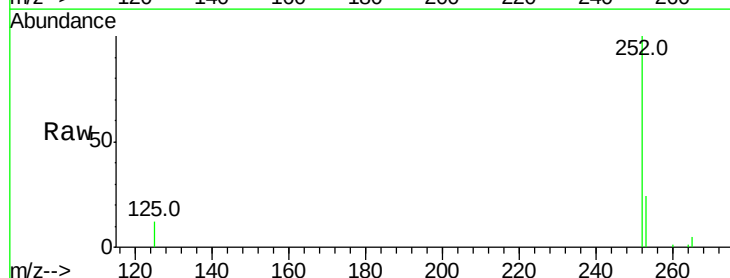
Instrument :
BNA_E
ClientSampleId :
PB111338BS

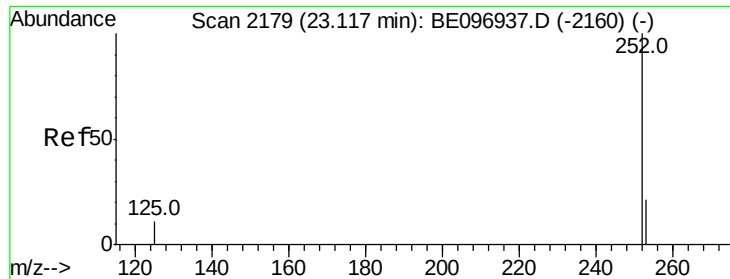
Tot Ion:252 Resp: 7834
Ion Ratio Lower Upper
252 100
253 24.0 20.0 30.0
125 10.2 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE097059.D
Acq: 24 Jul 2018 5:43

Tgt Ion:252 Resp: 8965
Ion Ratio Lower Upper
252 100
253 23.6 16.0 24.0
125 12.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.440 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

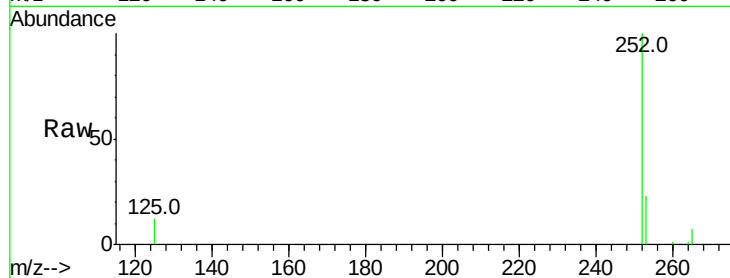
Tot Ion:252 Resp: 7641

Ion Ratio Lower Upper

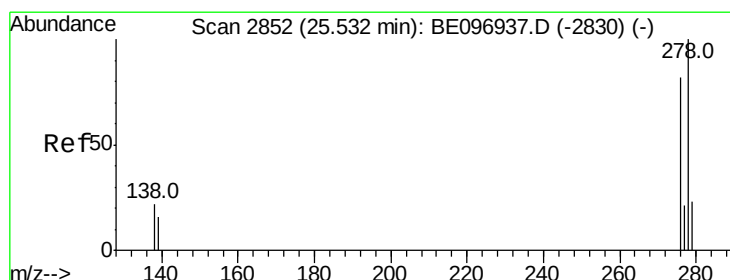
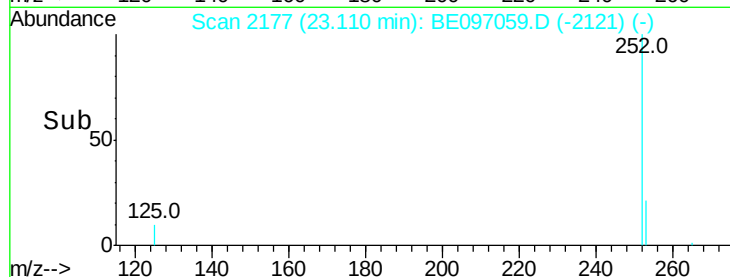
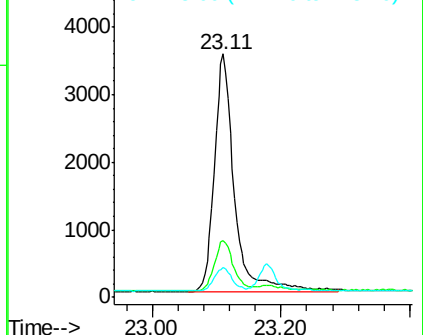
252 100

253 23.1 16.0 24.0

125 12.1 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: 0.503 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

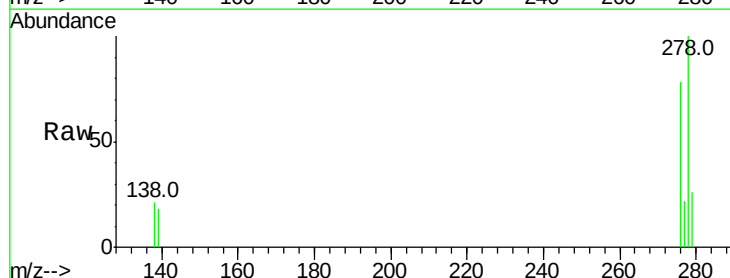
Tgt Ion:278 Resp: 7449

Ion Ratio Lower Upper

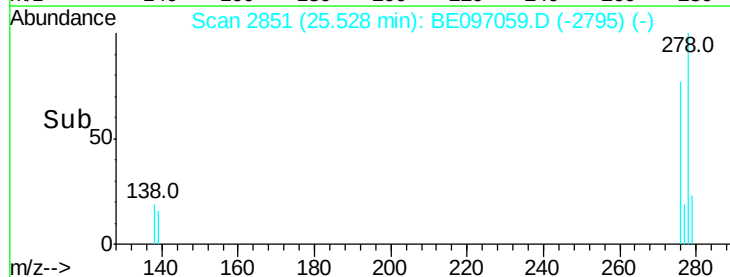
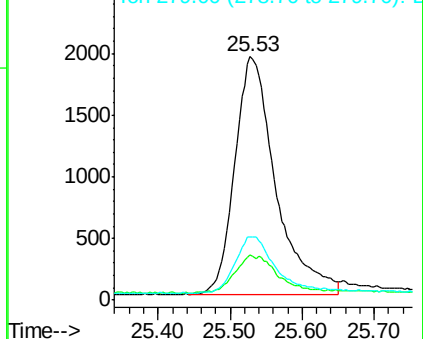
278 100

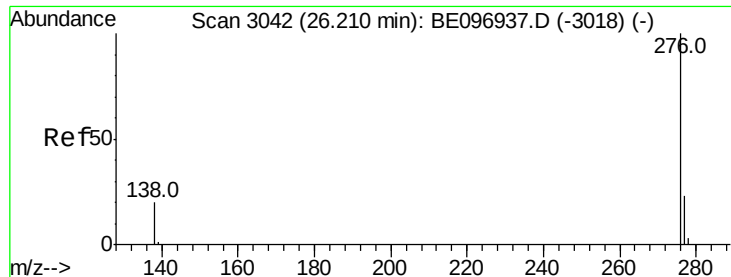
139 18.4 16.0 24.0

279 26.0 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





#39

Benzo(a,h,i)perylene

Concen: 0.496 ng

RT: 26.20 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BE097059.D

Acq: 24 Jul 2018 5:43

Instrument :

BNA_E

ClientSampleId :

PB111338BS

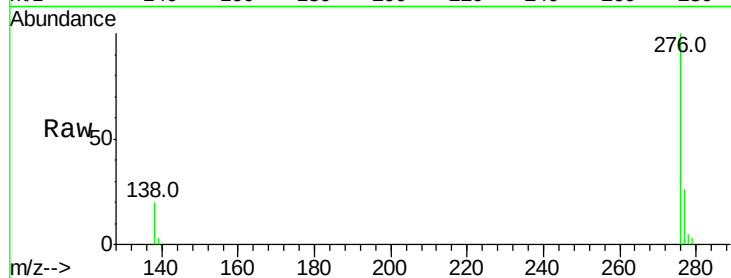
Tot Ion:276 Resp: 7976

Ion Ratio Lower Upper

276 100

277 25.5 16.0 24.0#

138 19.7 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

