

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071918\
 Data File : BE097001.D
 Acq On : 19 Jul 2018 12:42
 Operator : SJ/JU
 Sample : PB111184BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111184BS

Quant Time: Jul 19 13:31:26 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	1654	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6743	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3047	0.40	ng	-0.01
19) Phenanthrene-d10	16.76	188	7277	0.40	ng	-0.01
27) Chrysene-d12	20.98	240	9520	0.40	ng	0.00
34) Perylene-d12	23.21	264	8501	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1726	0.44	ng	0.01
5) Phenol-d6	6.60	99	2199	0.36	ng	0.00
8) Nitrobenzene-d5	8.53	82	2369	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4585	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	289	0.43	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5508	0.49	ng	-0.01
25) Fluoranthene-d10	18.81	212	35936	0.57	ng	0.00
29) Terphenyl-d14	19.43	244	7717	0.42	ng	0.00

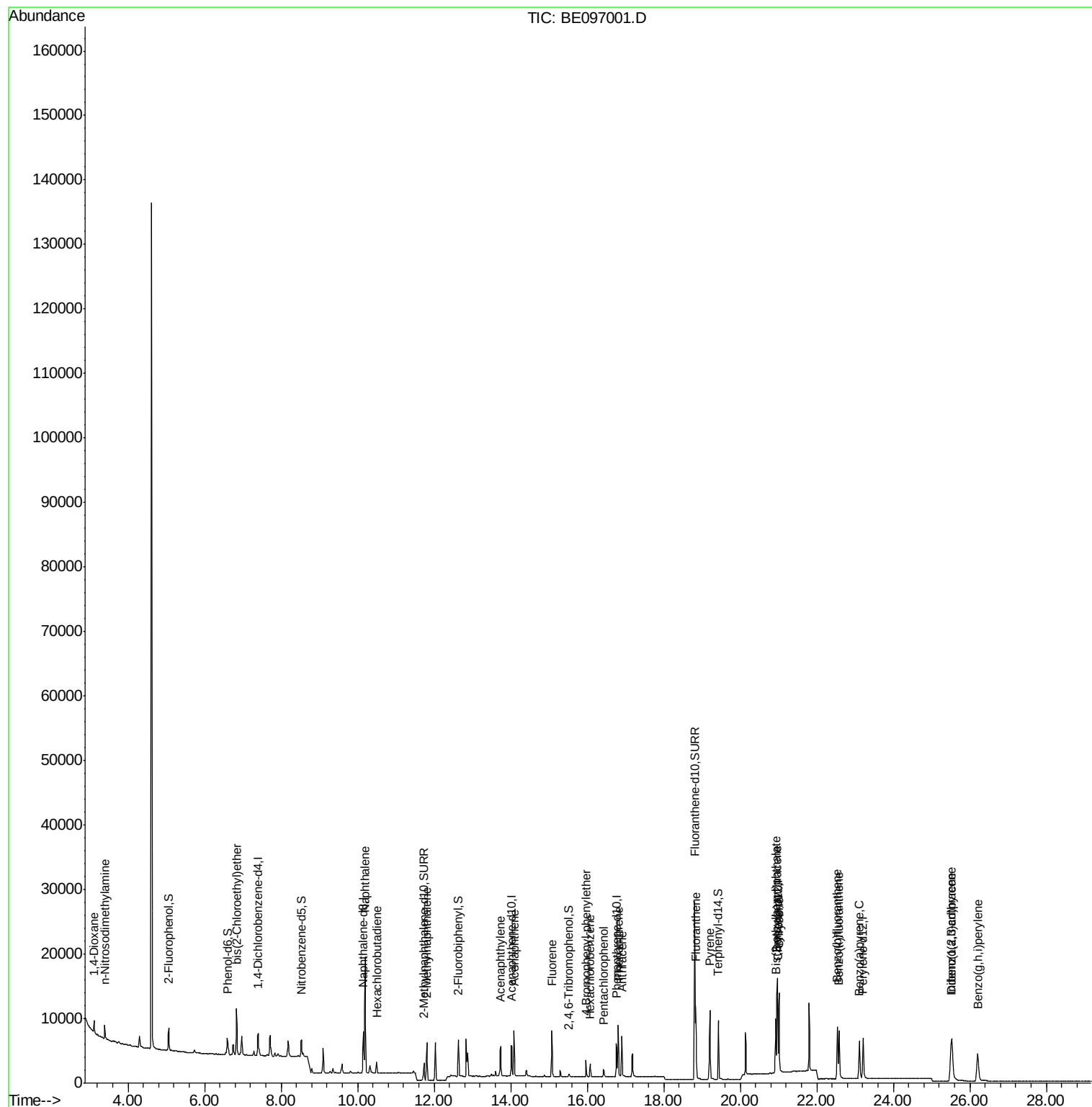
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	974	0.411	ng	# 83
3) n-Nitrosodimethylamine	3.38	42	1287	0.483	ng	# 94
6) bis(2-Chloroethyl)ether	6.84	93	2267	0.383	ng	96
9) Naphthalene	10.20	128	26933	0.446	ng	100
10) Hexachlorobutadiene	10.50	225	1186	0.486	ng	97
12) 2-Methylnaphthalene	11.81	142	4156	0.406	ng	97
16) Acenaphthylene	13.74	152	5690	0.409	ng	99
17) Acenaphthene	14.08	154	3463	0.400	ng	96
18) Fluorene	15.07	166	4200	0.432	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1420	0.413	ng	# 77
21) Hexachlorobenzene	16.08	284	1599	0.418	ng	# 84
22) Pentachlorophenol	16.43	266	674	0.960	ng	# 74
23) Phenanthrene	16.81	178	7952	0.456	ng	98
24) Anthracene	16.90	178	6917	0.456	ng	95
26) Fluoranthene	18.84	202	9818	0.534	ng	98
28) Pyrene	19.21	202	9902	0.352	ng	99
30) Benzo(a)anthracene	20.95	228	10884	0.480	ng	98
31) Chrysene	21.01	228	11322	0.445	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	9609	0.425	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11510	0.621	ng	# 92
35) Benzo(b)fluoranthene	22.54	252	10010	0.461	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	11102	0.430	ng	96
37) Benzo(a)pyrene	23.11	252	9070	0.469	ng	# 92
38) Dibenzo(a,h)anthracene	25.53	278	9427	0.562	ng	# 96
39) Benzo(g,h,i)perylene	26.21	276	10302	0.584	ng	# 90

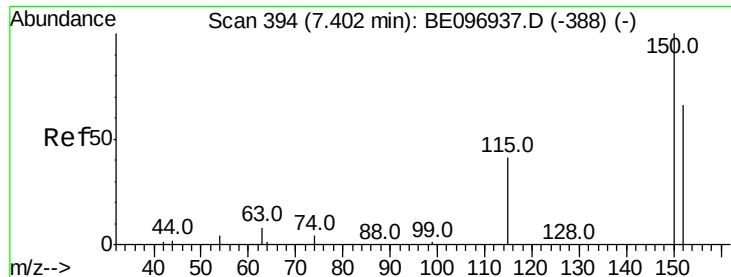
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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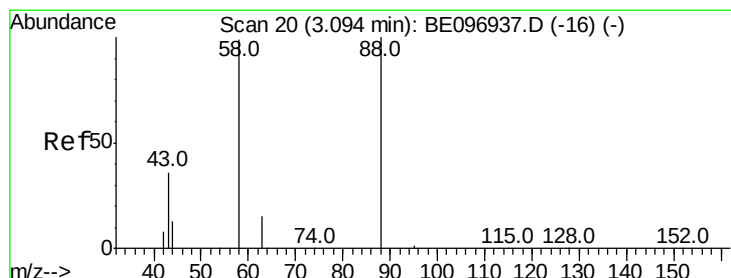
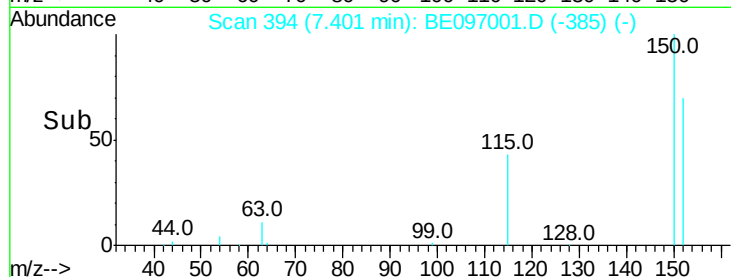
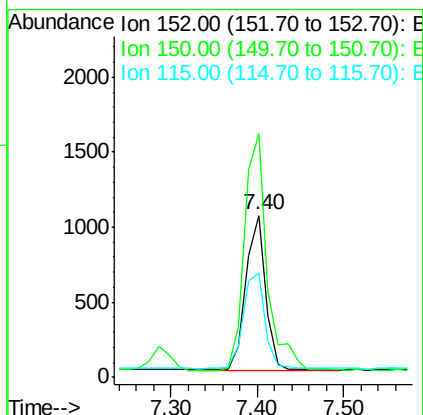
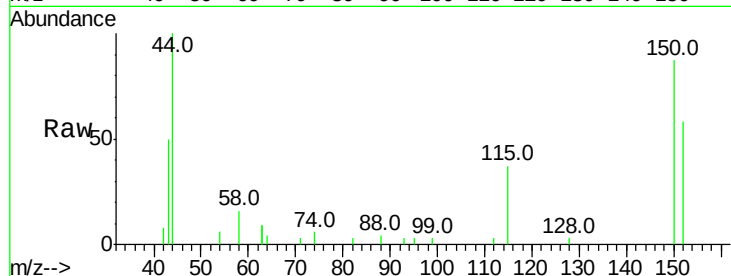


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Instrument :
BNA_E
ClientSampleId :
PB111184BS

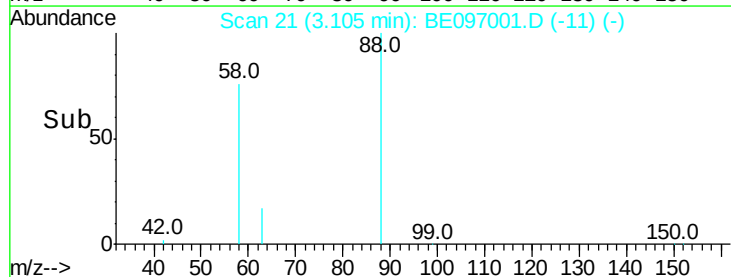
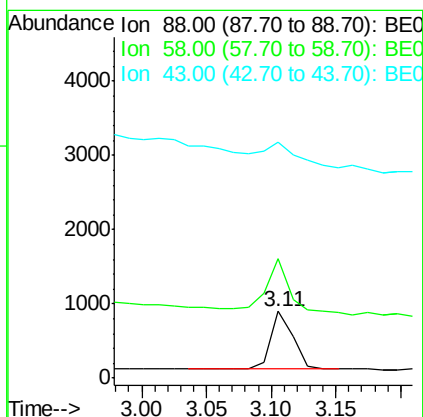
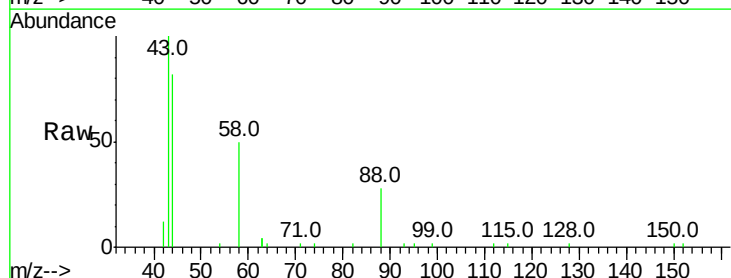
Tot Ion:152 Resp: 1654
Ion Ratio Lower Upper
152 100
150 150.5 117.2 175.8
115 64.6 57.0 85.6

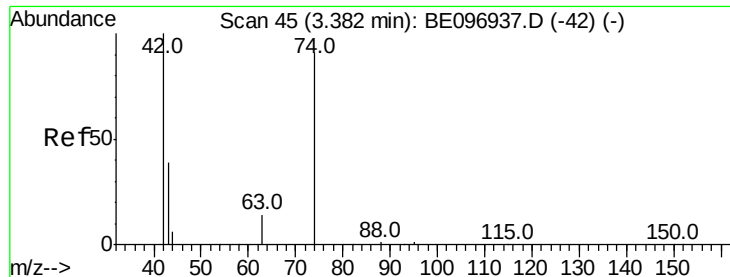


#2

1,4-Dioxane
Concen: 0.411 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion: 88 Resp: 974
Ion Ratio Lower Upper
88 100
58 96.1 63.2 94.8#
43 61.2 41.2 61.8





#3

n-Nitrosodimethylamine

Concen: 0.483 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

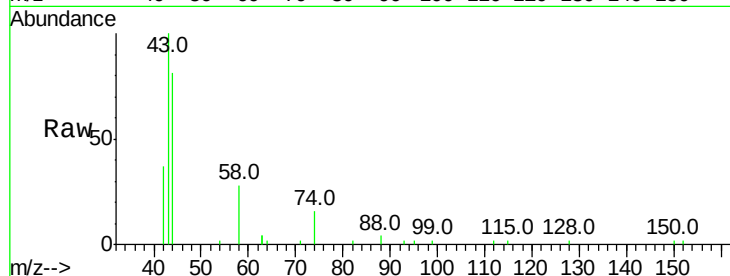
Tot Ion: 42 Resp: 1287

Ion Ratio Lower Upper

42 100

74 113.8 96.0 144.0

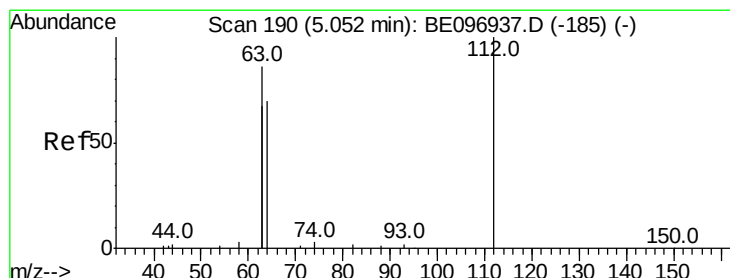
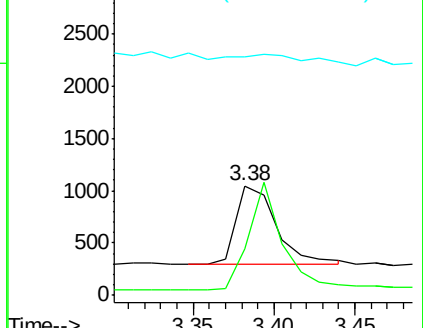
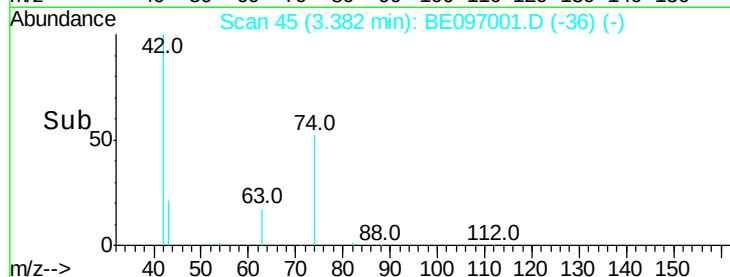
44 9.7 12.0 18.0#



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: 0.436 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

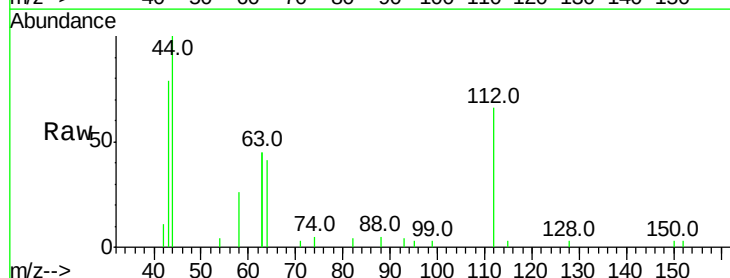
Tgt Ion: 112 Resp: 1726

Ion Ratio Lower Upper

112 100

64 70.0 60.1 90.1

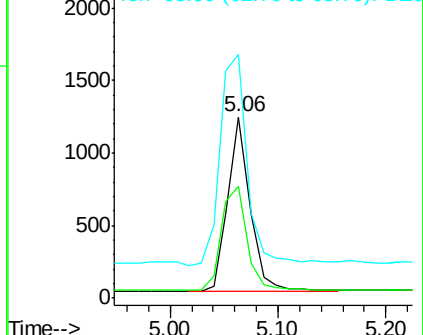
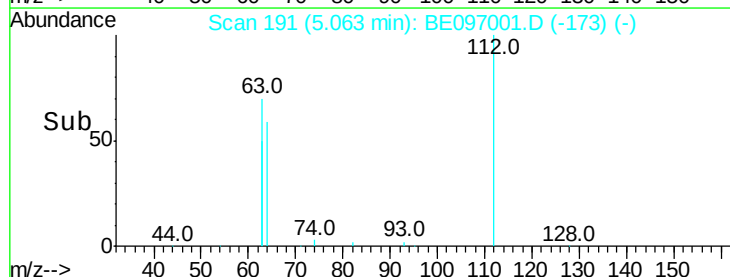
63 148.2 116.8 175.2

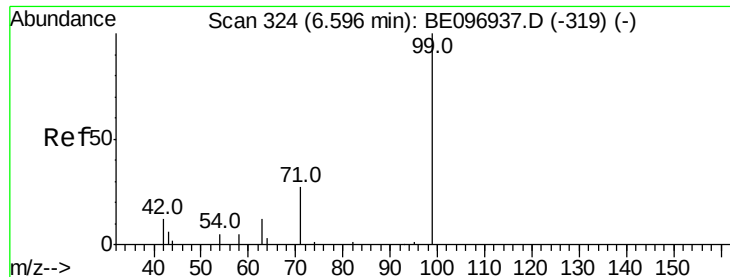


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.364 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

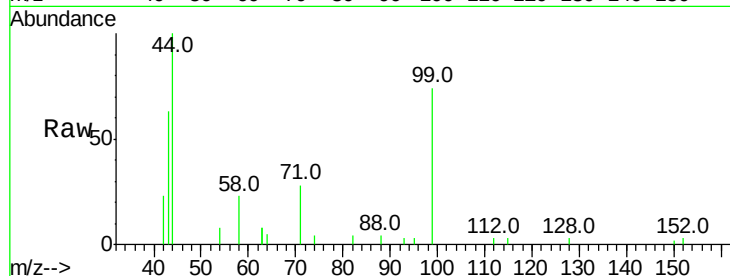
Tot Ion: 99 Resp: 2199

Ion Ratio Lower Upper

99 100

42 23.4 20.2 30.2

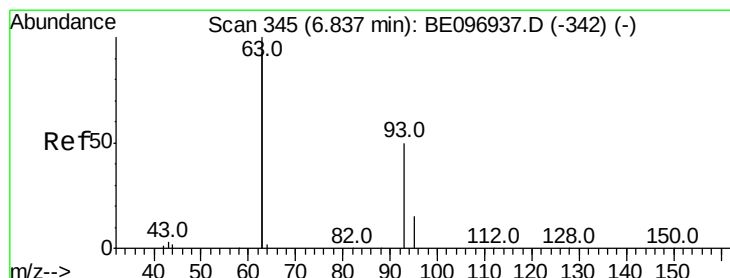
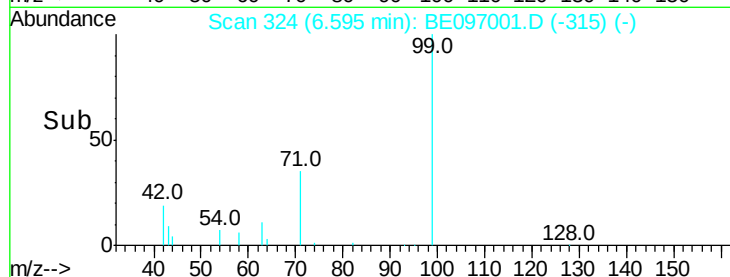
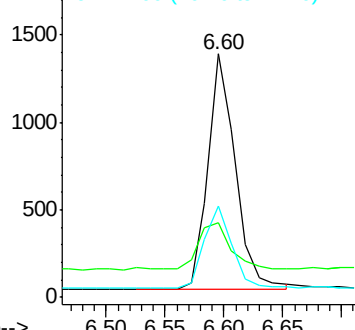
71 35.7 28.4 42.6



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: 0.383 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

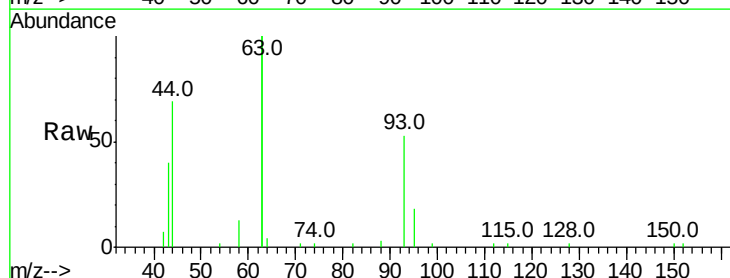
Tgt Ion: 93 Resp: 2267

Ion Ratio Lower Upper

93 100

63 335.0 275.3 412.9

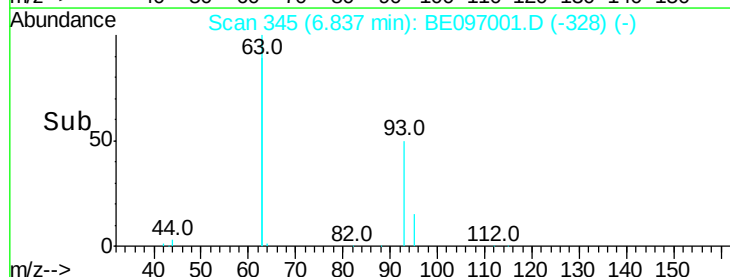
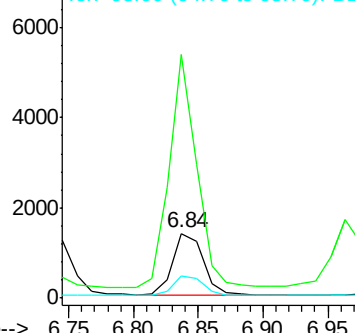
95 33.0 25.2 37.8

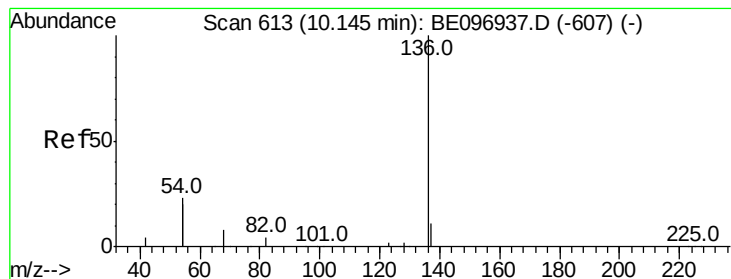


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

Tot Ion:136 Resp: 6743

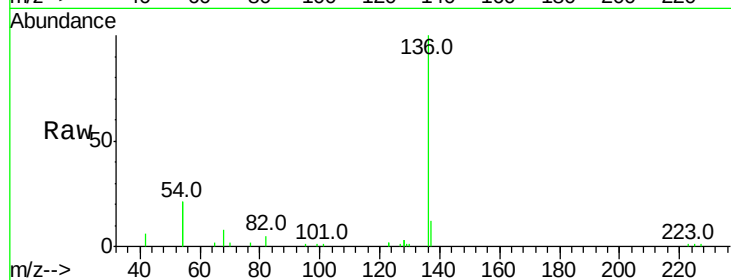
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 42.0 29.1 43.7

68 7.9 6.2 9.2

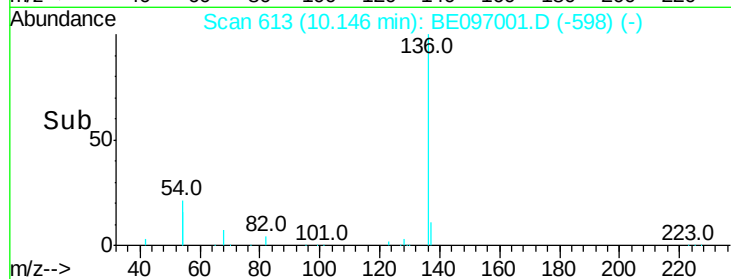


Abundance Ion 136.00 (135.70 to 136.70): E

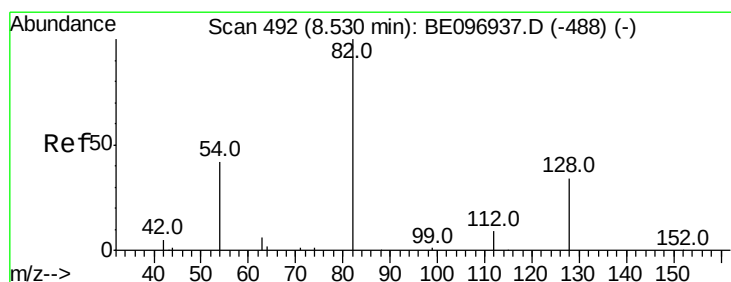
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.482 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

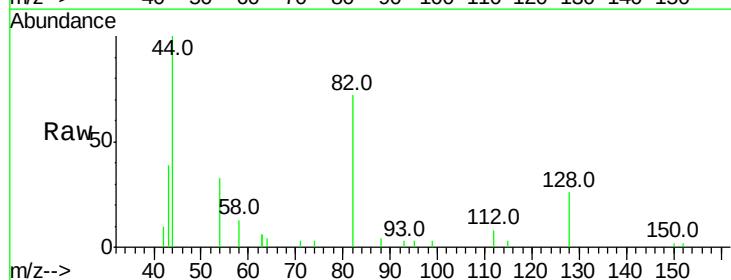
Tgt Ion: 82 Resp: 2369

Ion Ratio Lower Upper

82 100

128 36.2 24.0 36.0#

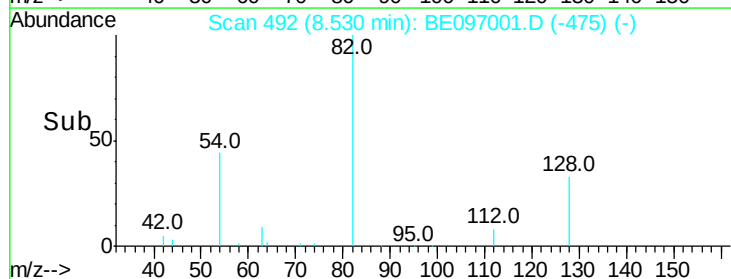
54 46.0 40.0 60.0



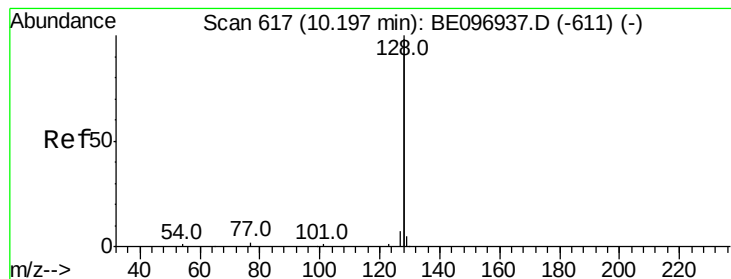
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.446 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

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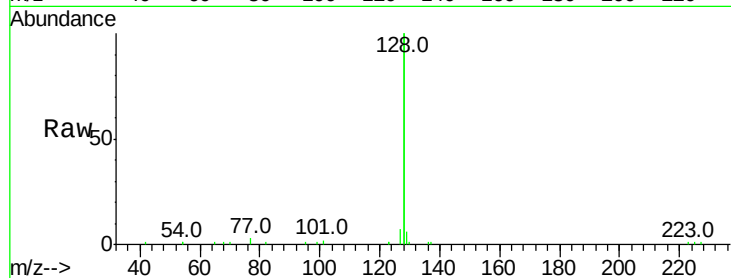
Tot Ion:128 Resp: 26933

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

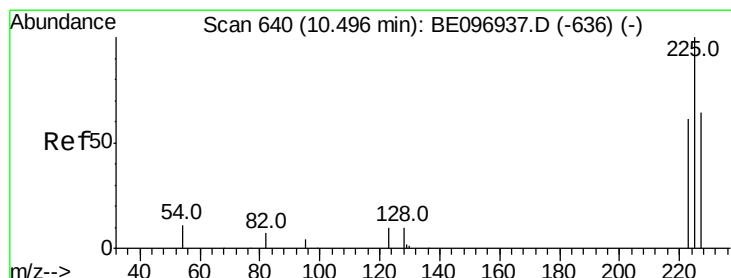
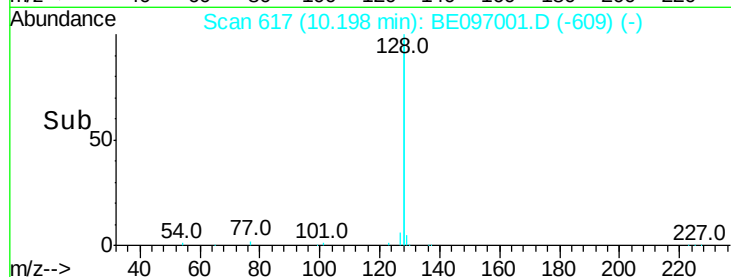
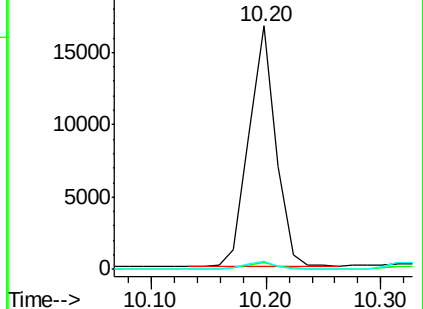
127 3.4 2.8 4.2



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: 0.486 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

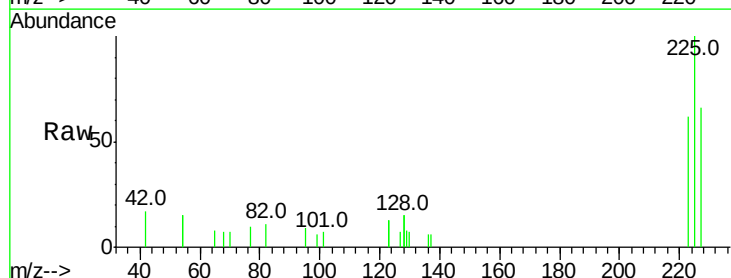
Tgt Ion:225 Resp: 1186

Ion Ratio Lower Upper

225 100

223 62.9 53.0 79.6

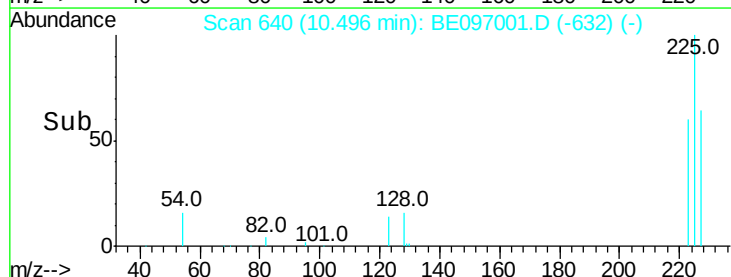
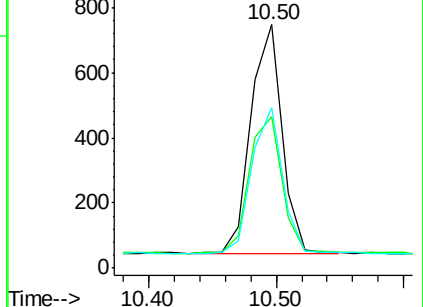
227 62.9 51.4 77.2

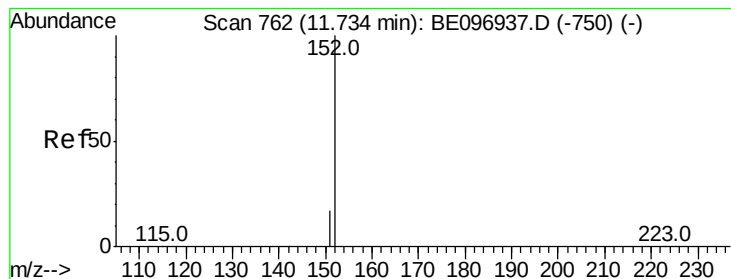


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.467 ng

RT: 11.73 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

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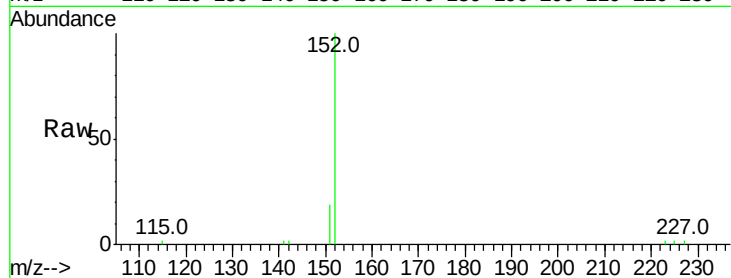
PB111184BS

Tot Ion:152 Resp: 4585

Ion Ratio Lower Upper

152 100

151 16.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

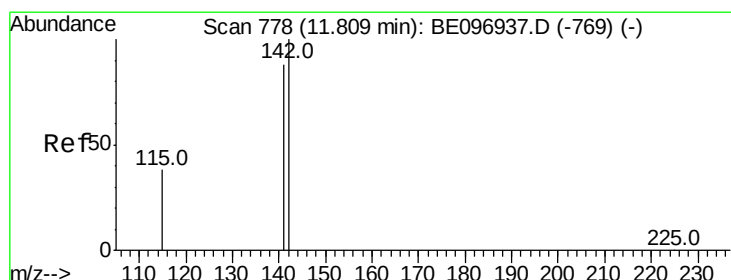
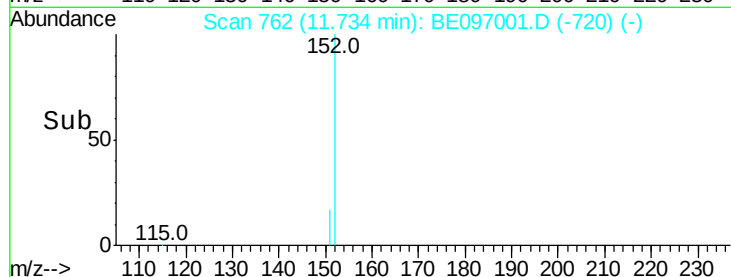
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.406 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

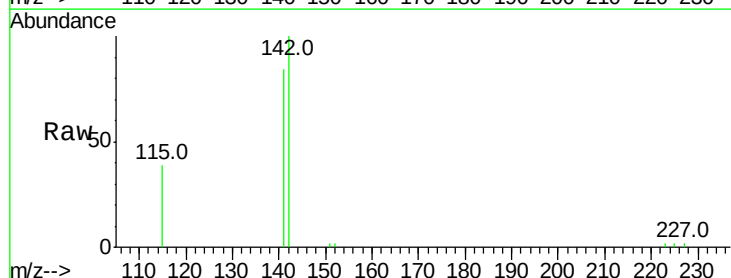
Tgt Ion:142 Resp: 4156

Ion Ratio Lower Upper

142 100

141 84.0 70.4 105.6

115 39.2 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

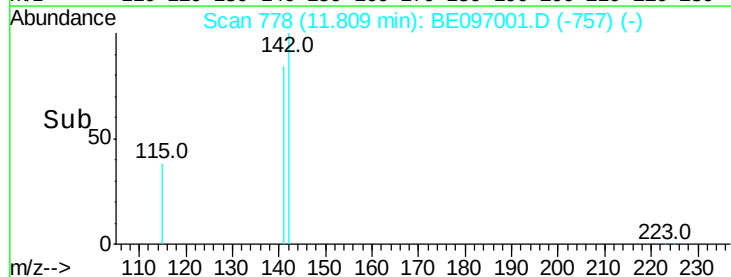
3000

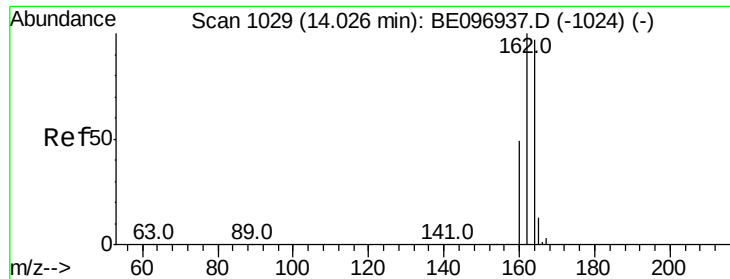
2000

1000

0

Time--> 11.75 11.80 11.85 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

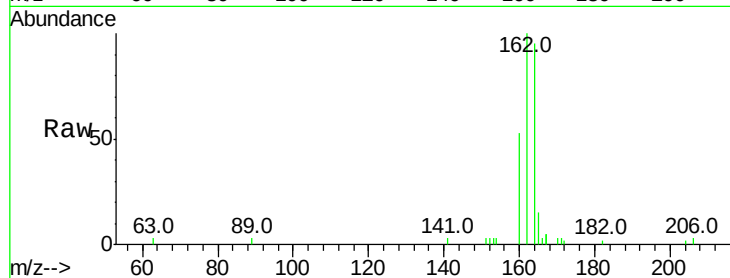
Tot Ion:164 Resp: 3047

Ion Ratio Lower Upper

164 100

162 105.3 83.1 124.7

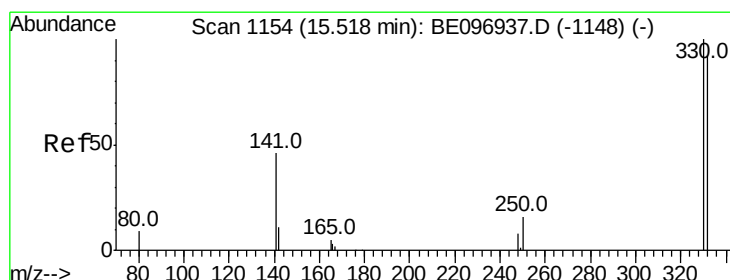
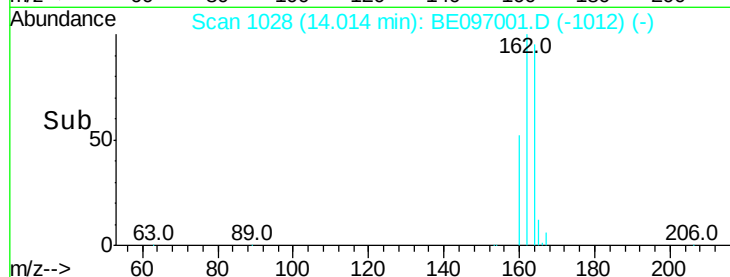
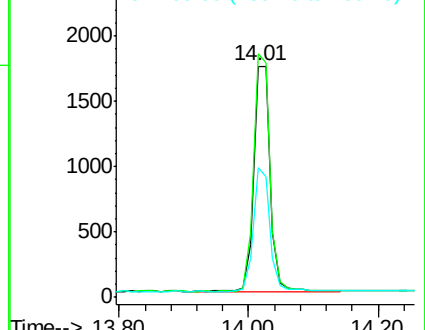
160 56.3 37.1 55.7#



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: 0.430 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

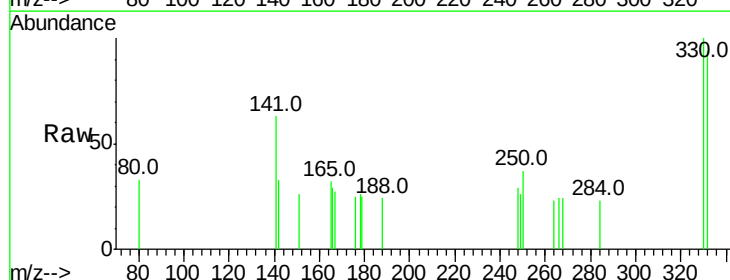
Tgt Ion:330 Resp: 289

Ion Ratio Lower Upper

330 100

332 98.6 152.7 229.1#

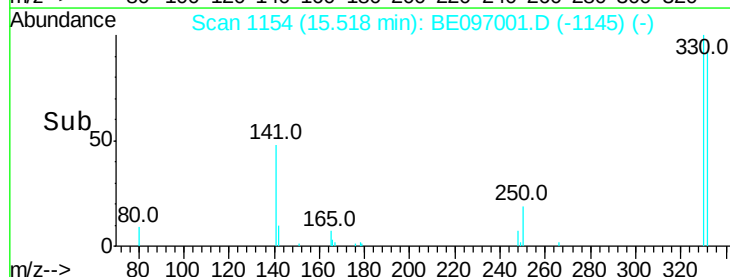
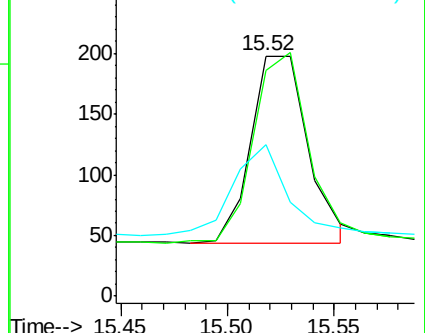
141 46.4 33.7 50.5

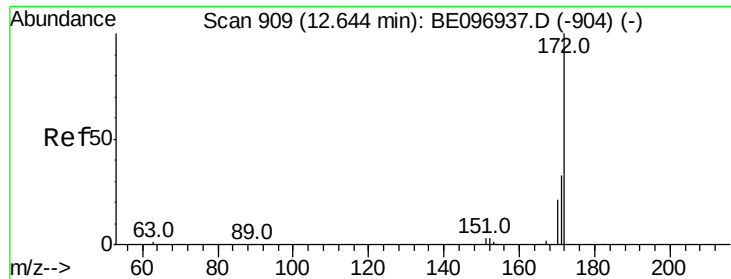


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

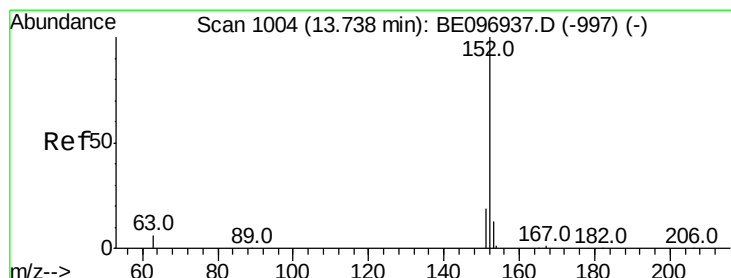
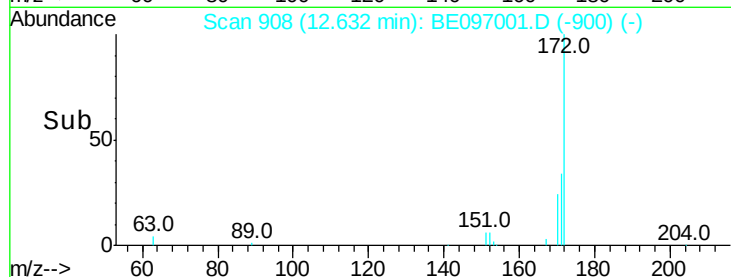
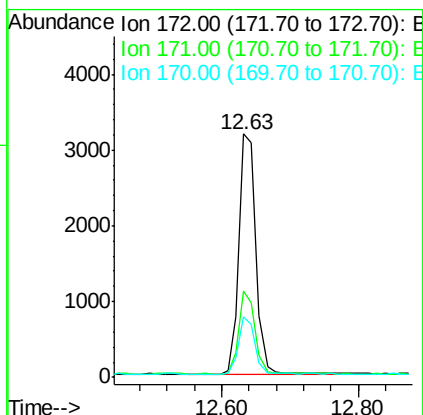
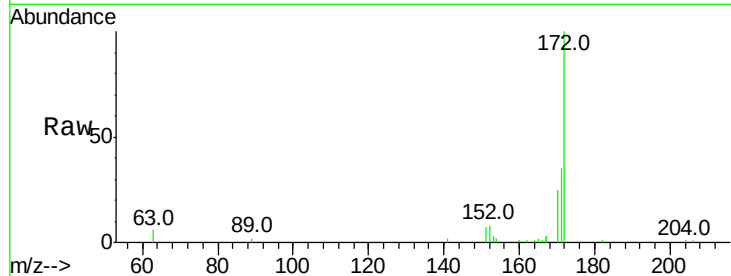




#15
2-Fluorobiphenyl
Concen: 0.486 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

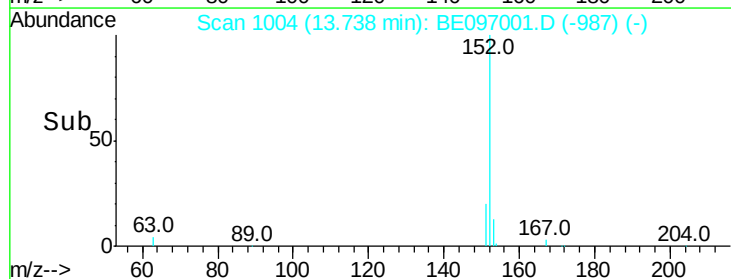
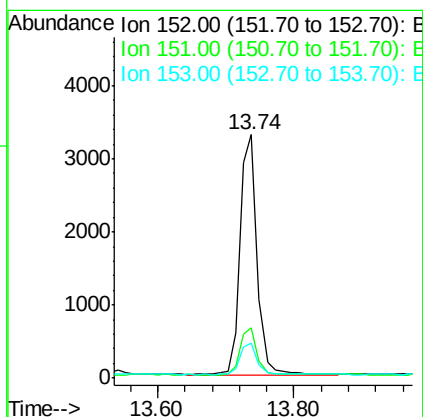
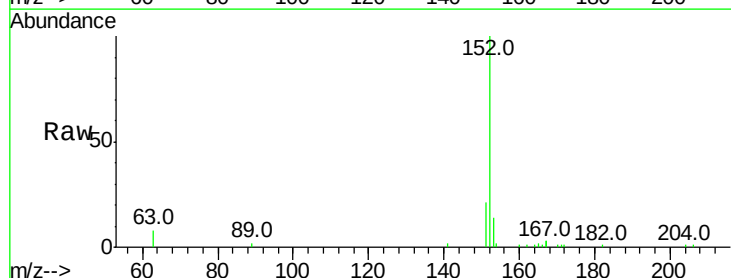
Instrument :
BNA_E
ClientSampleId :
PB111184BS

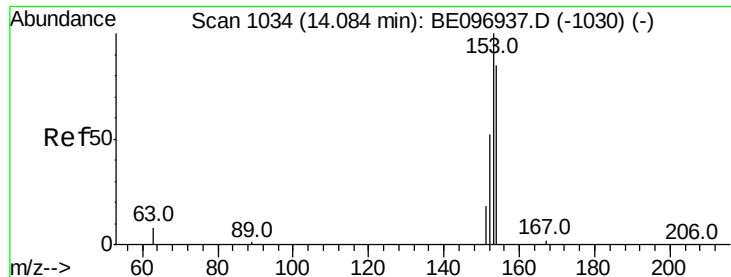
Tot Ion:172 Resp: 5508
Ion Ratio Lower Upper
172 100
171 35.4 29.9 44.9
170 25.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.74 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:152 Resp: 5690
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 0.400 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

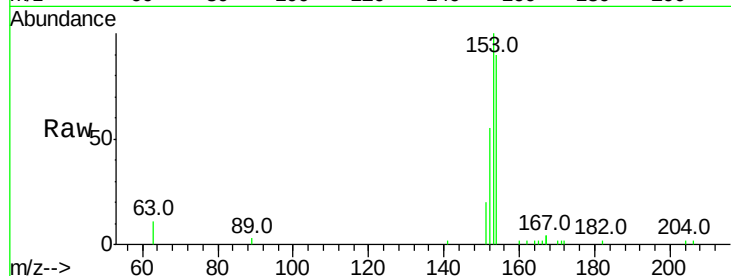
Tot Ion:154 Resp: 3463

Ion Ratio Lower Upper

154 100

153 111.9 89.2 133.8

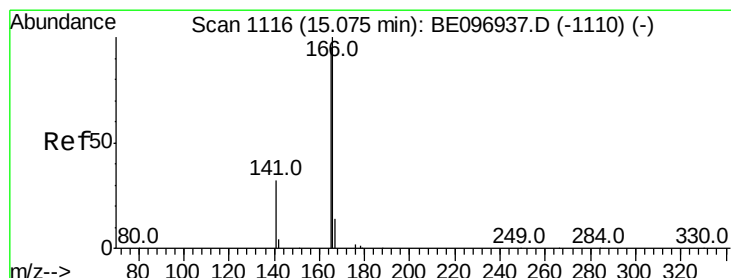
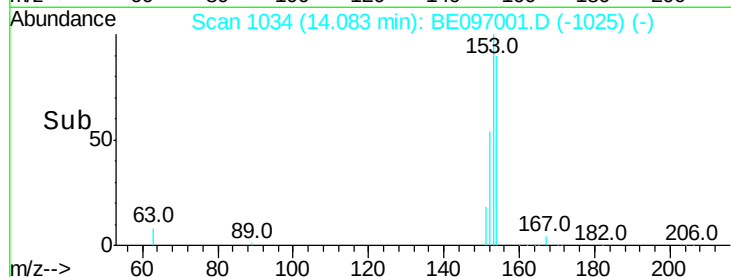
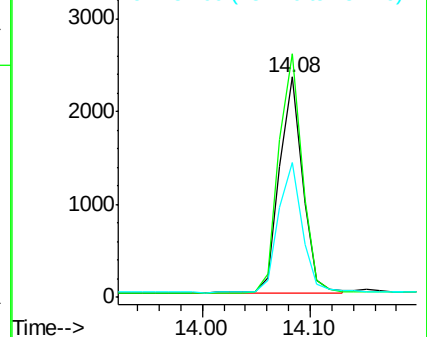
152 61.9 42.0 63.0



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: 0.432 ng

RT: 15.07 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

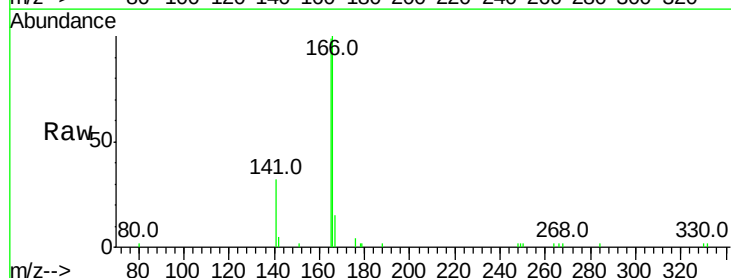
Tgt Ion:166 Resp: 4200

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.6

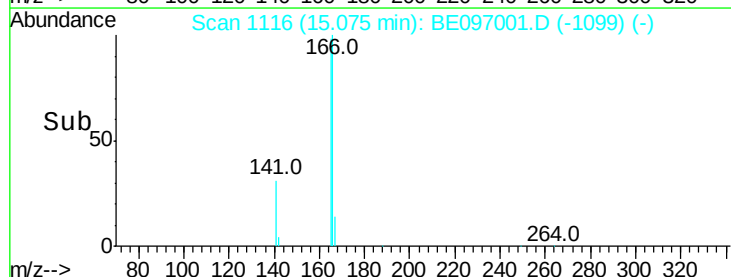
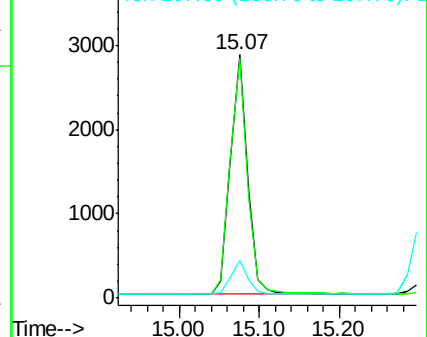
167 13.8 42.4 63.6#

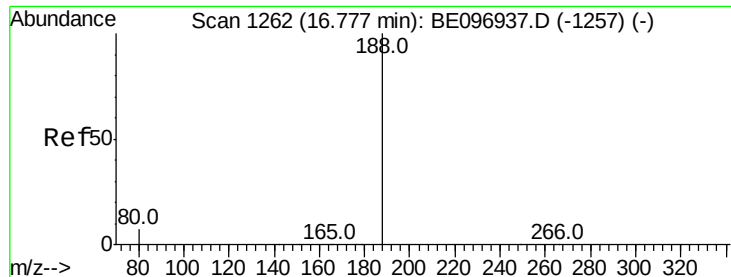


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

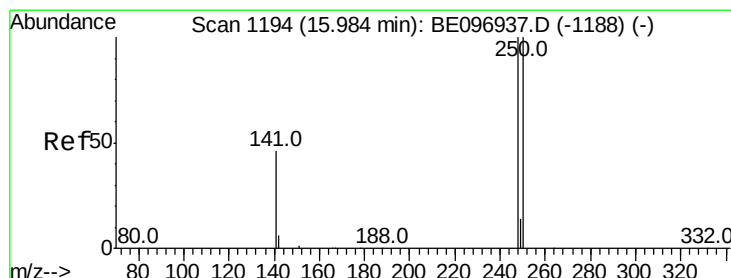
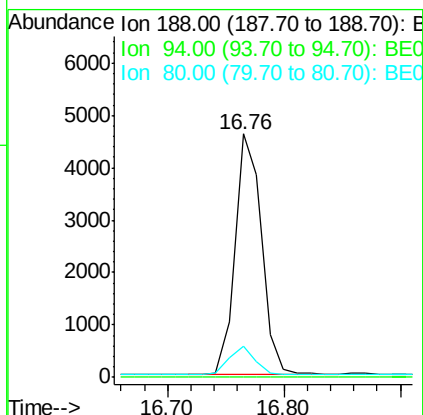
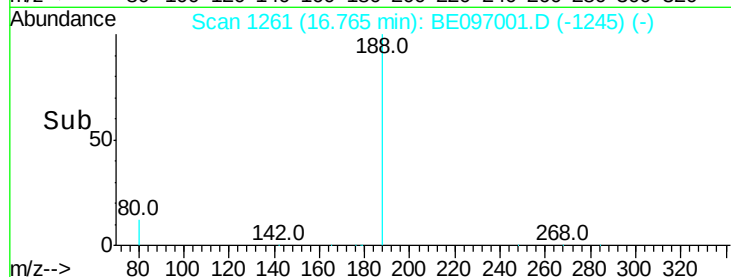
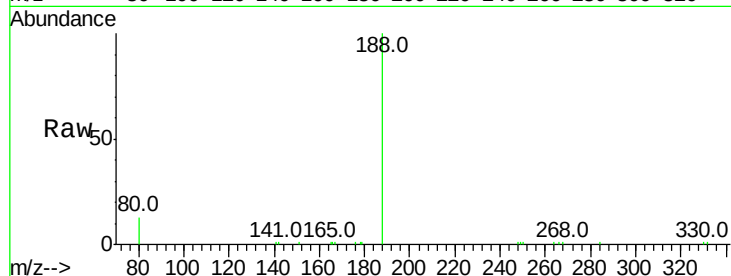
Tot Ion:188 Resp: 7277

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 13.0 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.413 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

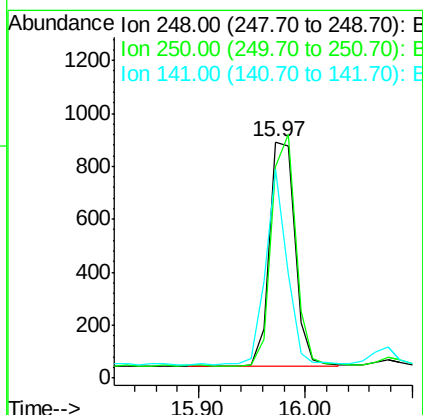
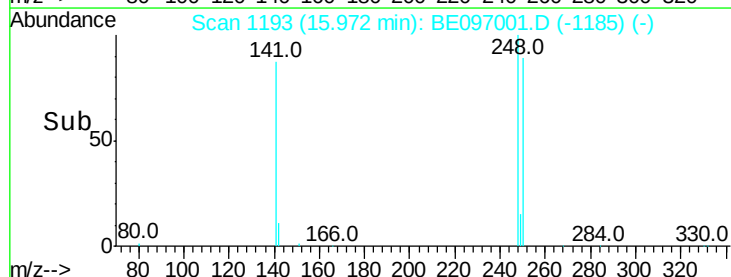
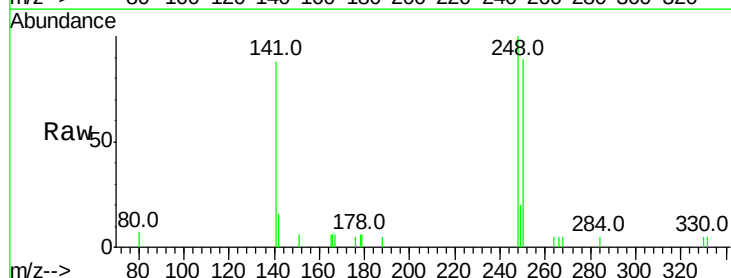
Tgt Ion:248 Resp: 1420

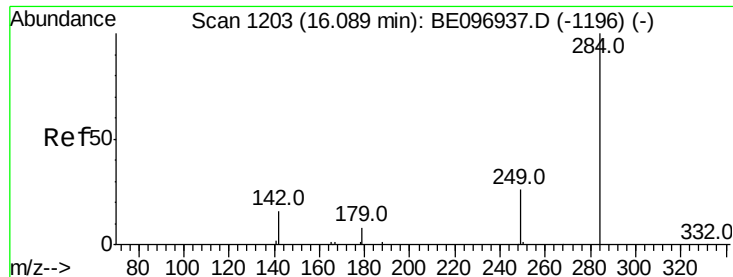
Ion Ratio Lower Upper

248 100

250 89.5 62.7 94.1

141 88.4 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.418 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

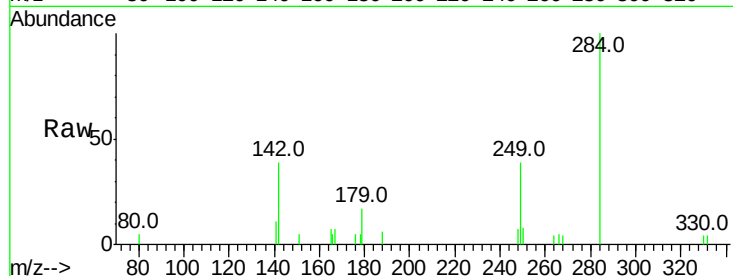
Tot Ion:284 Resp: 1599

Ion Ratio Lower Upper

284 100

142 34.3 22.1 33.1#

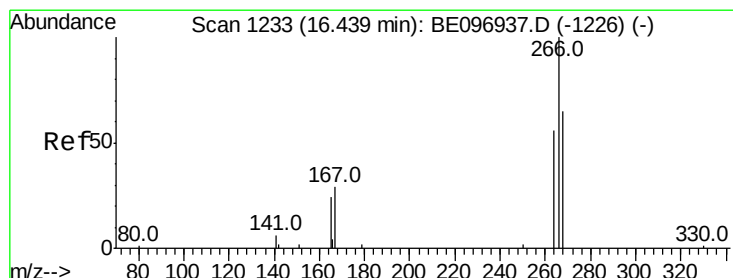
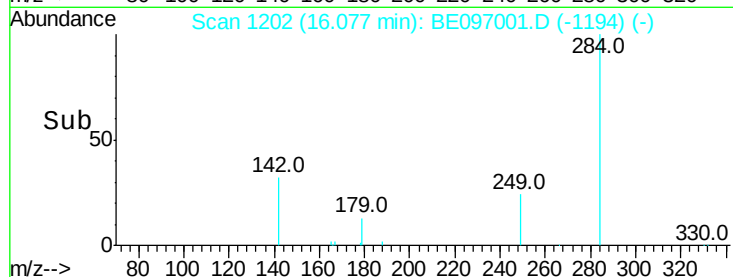
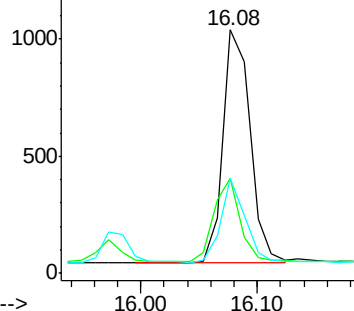
249 32.0 34.8 52.2#



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: 0.960 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

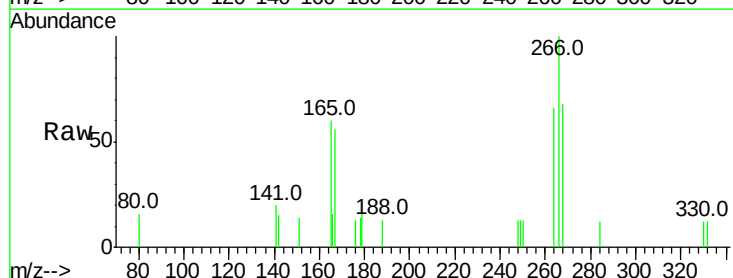
Tgt Ion:266 Resp: 674

Ion Ratio Lower Upper

266 100

264 66.1 72.5 108.7#

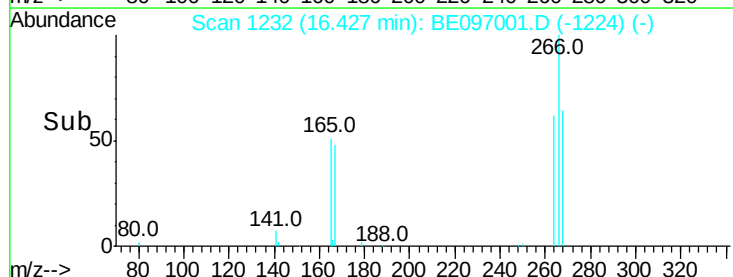
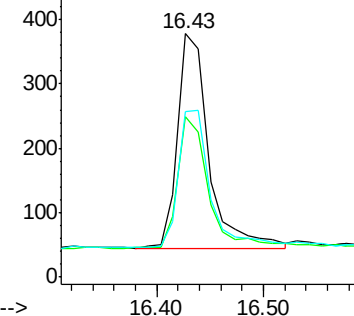
268 68.0 73.8 110.6#

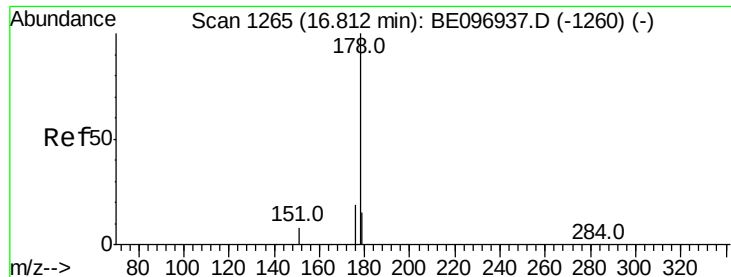


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.456 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

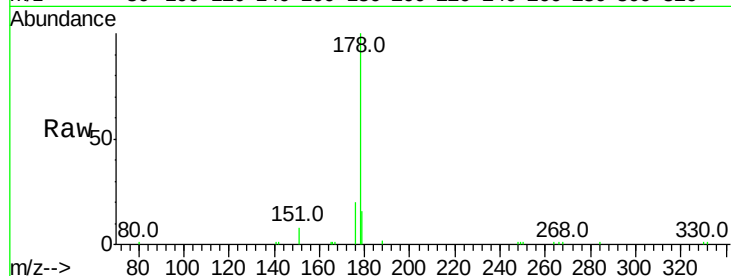
Tot Ion:178 Resp: 7952

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

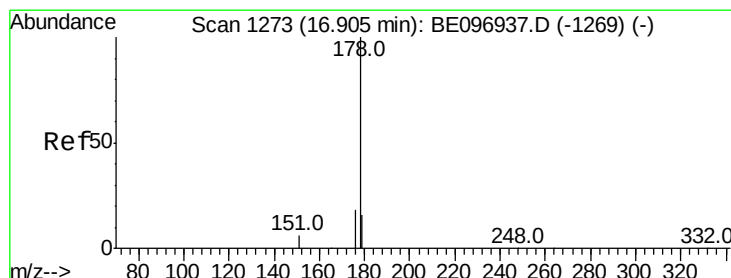
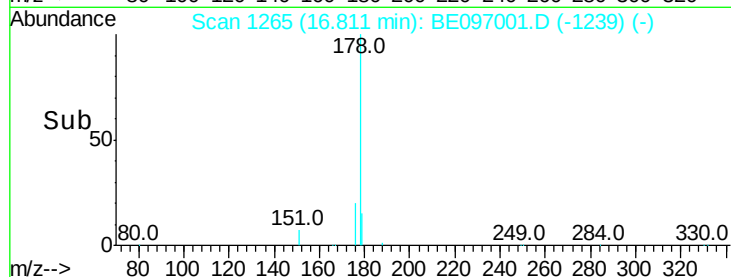
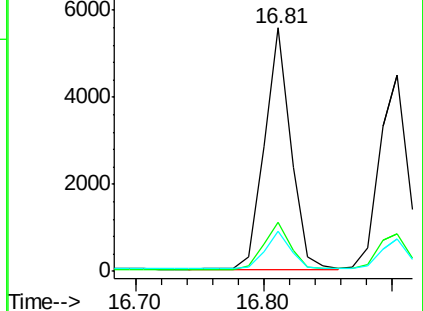
179 15.5 11.8 17.6



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: 0.456 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

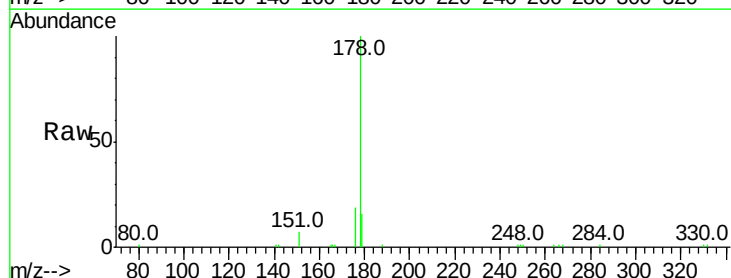
Tgt Ion:178 Resp: 6917

Ion Ratio Lower Upper

178 100

176 19.0 12.8 19.2

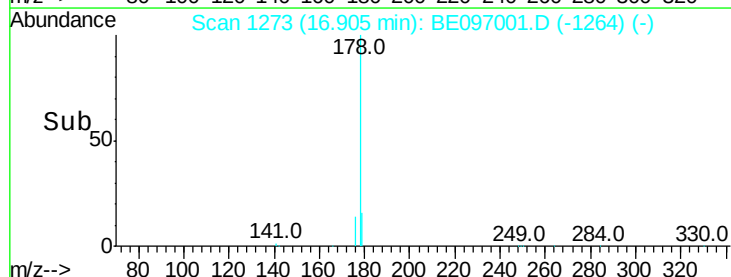
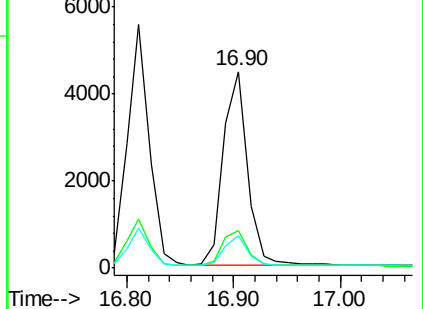
179 14.8 13.0 19.6

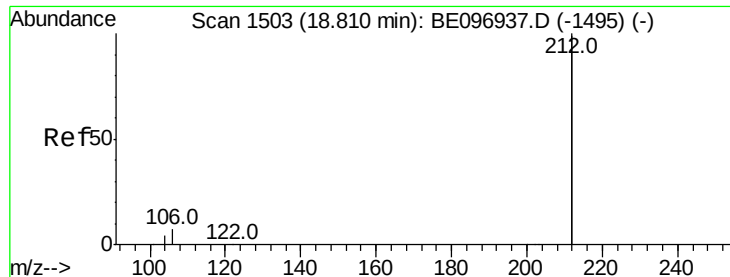


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.568 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

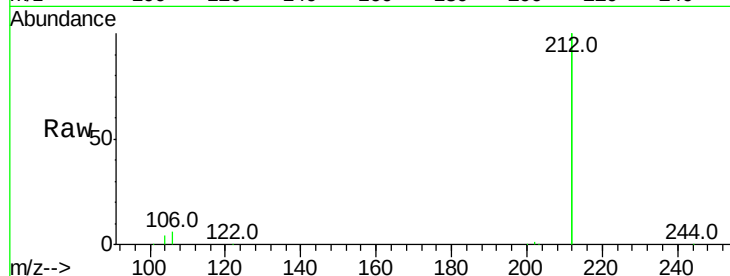
Tot Ion:212 Resp: 35936

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

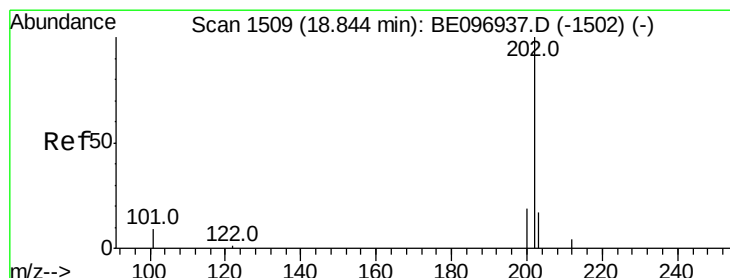
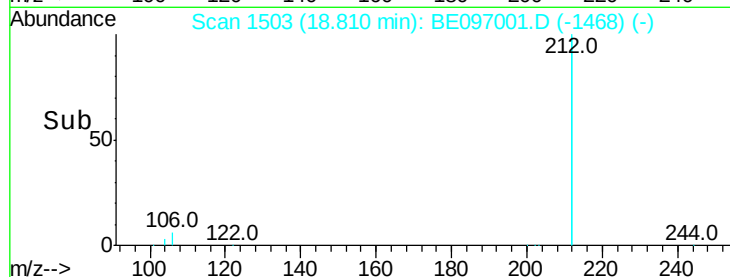
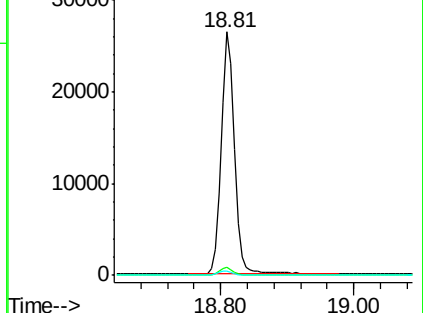
104 1.6 1.6 2.4



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: 0.534 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

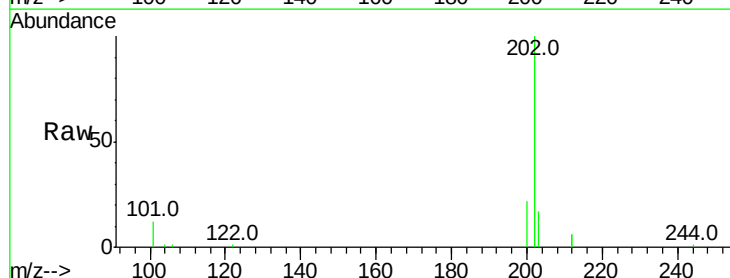
Tgt Ion:202 Resp: 9818

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

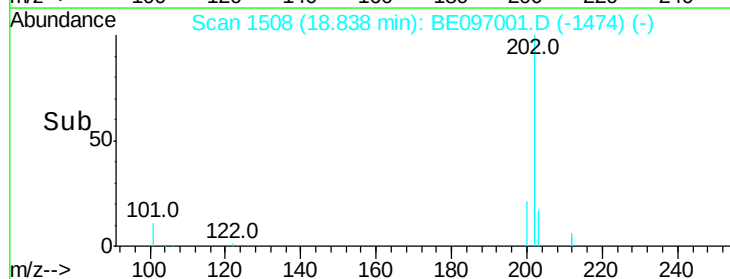
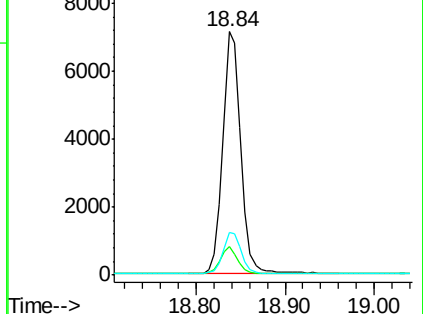
203 17.0 13.7 20.5

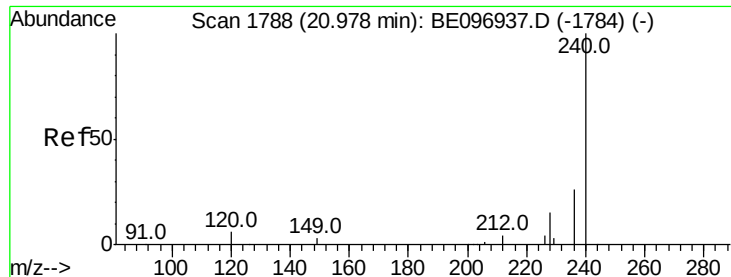


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

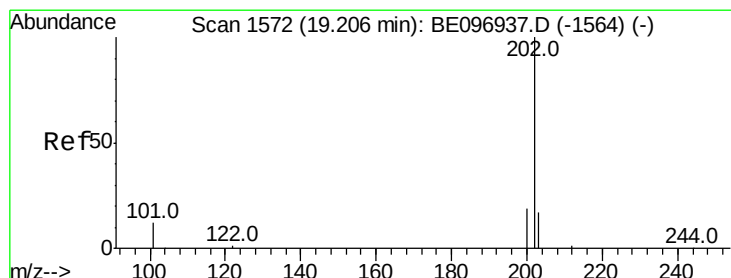
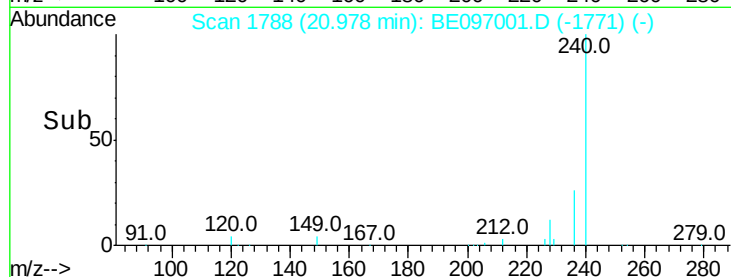
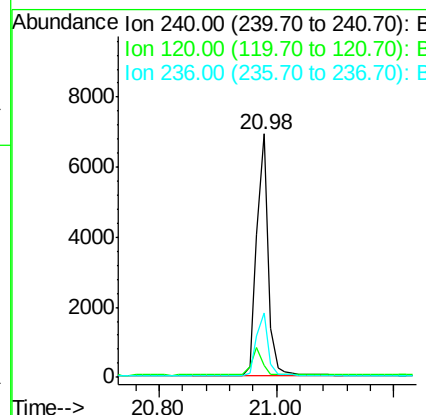
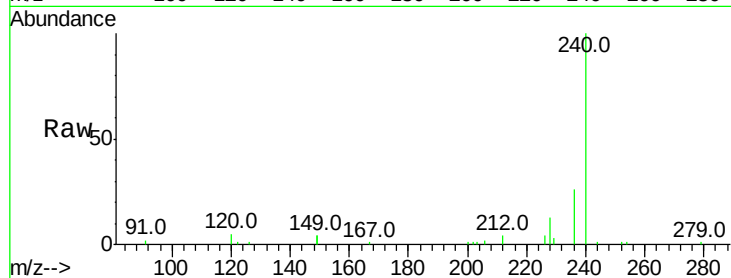




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

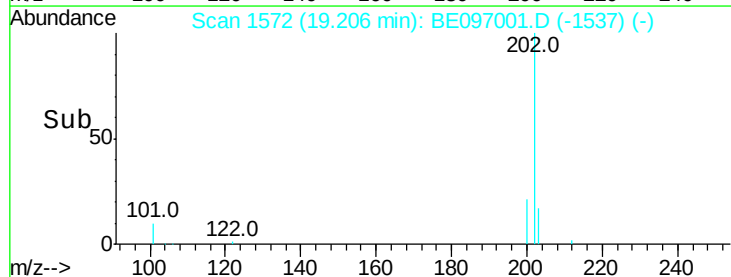
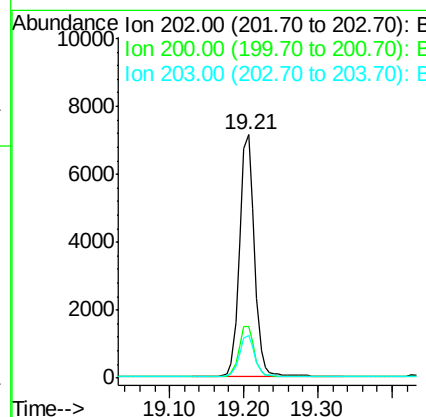
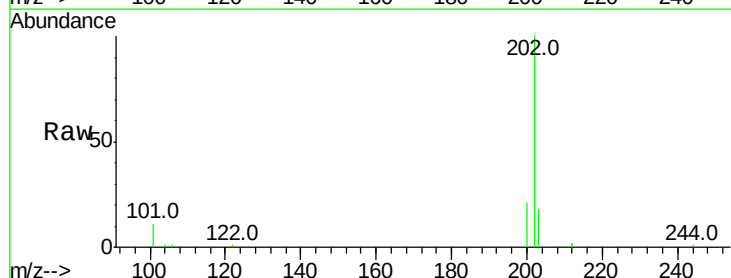
Instrument :
BNA_E
ClientSampleId :
PB111184BS

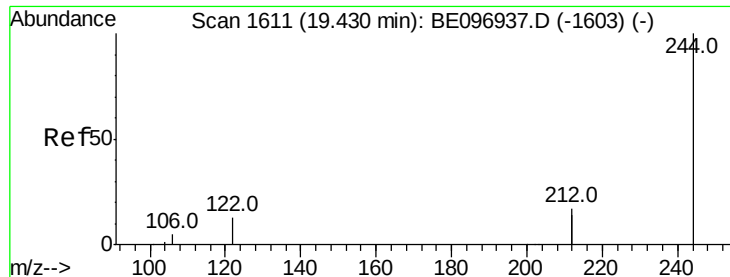
Tot Ion:240 Resp: 9520
Ion Ratio Lower Upper
240 100
120 5.0 5.5 8.3#
236 26.3 20.7 31.1



#28
Pyrene
Concen: 0.352 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE097001.D
Acq: 19 Jul 2018 12:42

Tgt Ion:202 Resp: 9902
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 17.6 13.8 20.8





#29

Terphenyl-d14

Concen: 0.420 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

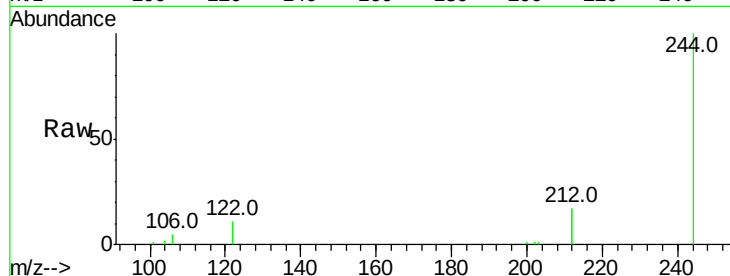
Tot Ion:244 Resp: 7717

Ion Ratio Lower Upper

244 100

212 33.3 25.4 38.0

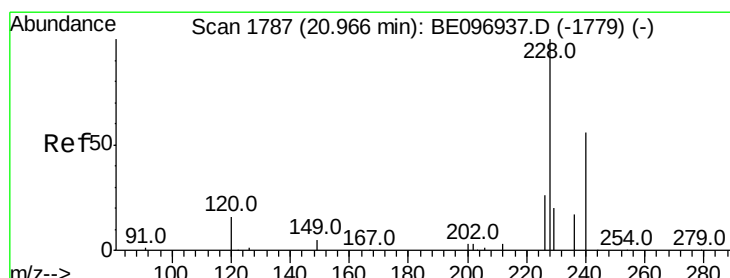
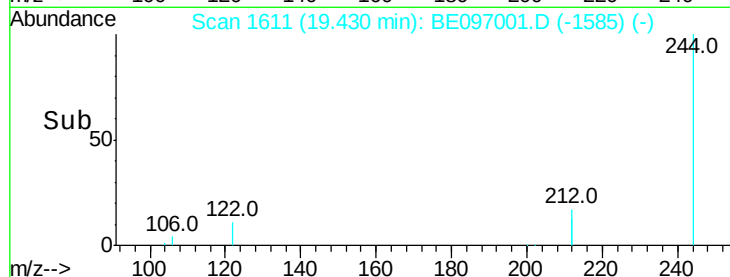
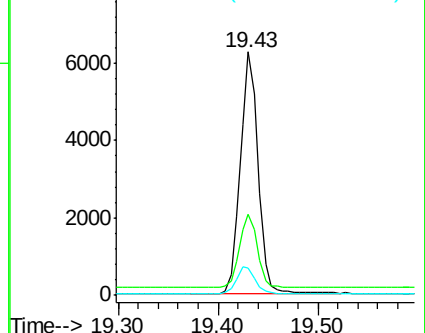
122 11.3 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.480 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

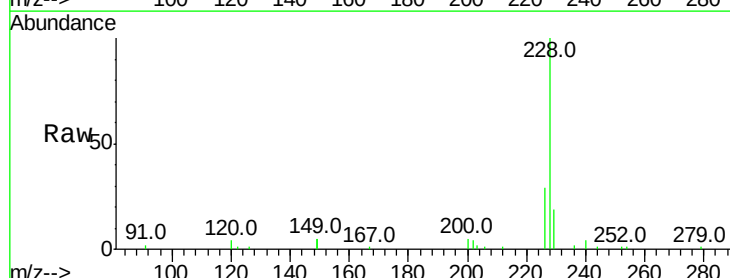
Tgt Ion:228 Resp: 10884

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

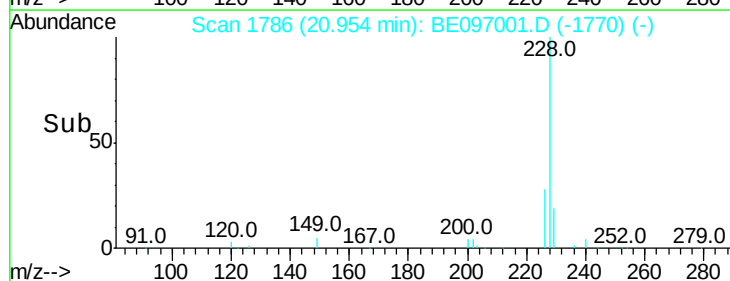
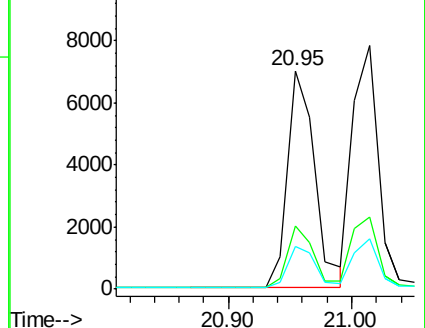
229 19.4 16.0 24.0

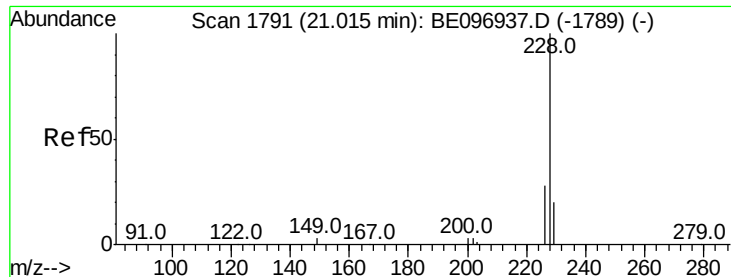


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.445 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

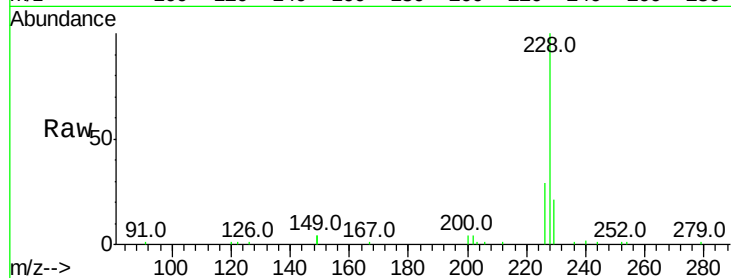
Tot Ion:228 Resp: 11322

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

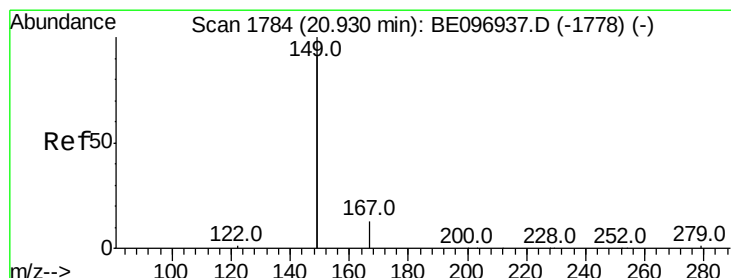
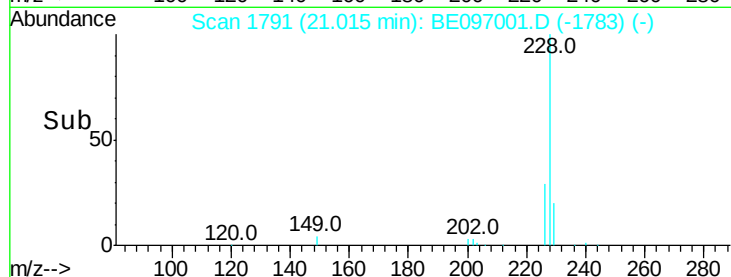
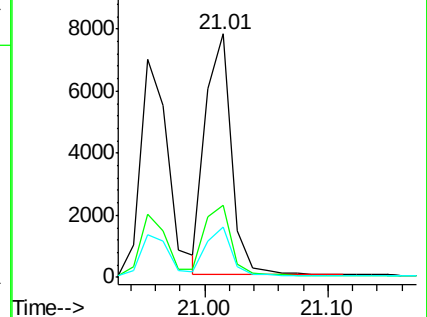
229 20.6 16.0 24.0



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: 0.425 ng

RT: 20.93 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

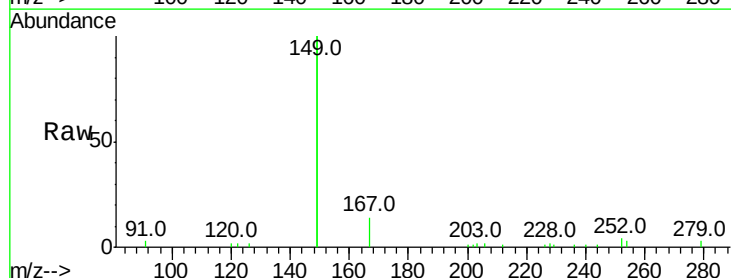
Tgt Ion:149 Resp: 9609

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

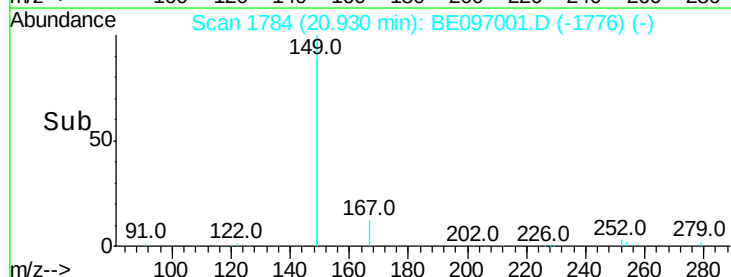
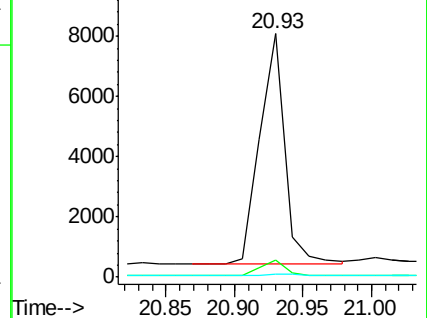
279 1.0 0.7 1.1

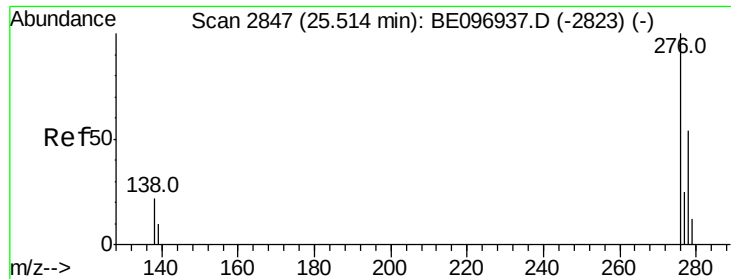


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.621 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

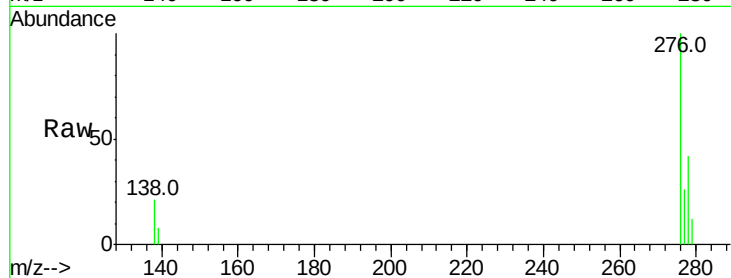
Tot Ion:276 Resp: 11510

Ion Ratio Lower Upper

276 100

138 21.1 22.5 33.7#

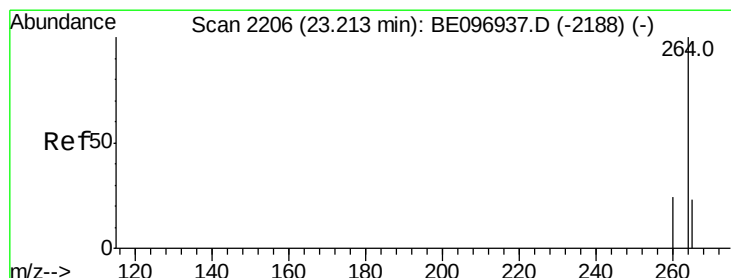
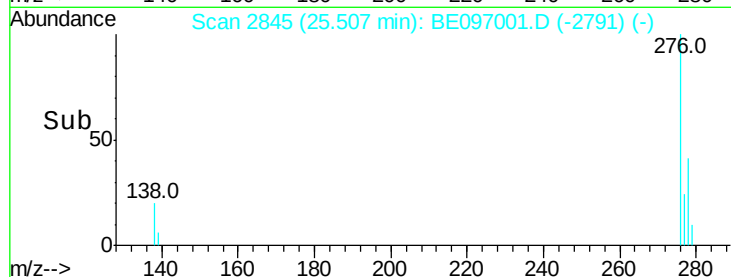
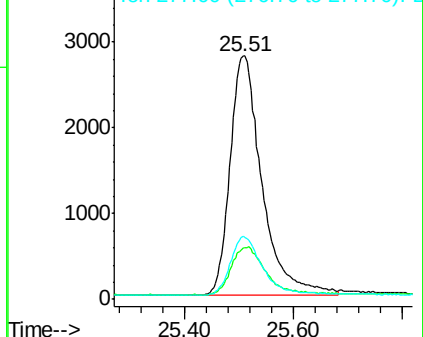
277 24.4 19.9 29.9



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# 2206

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

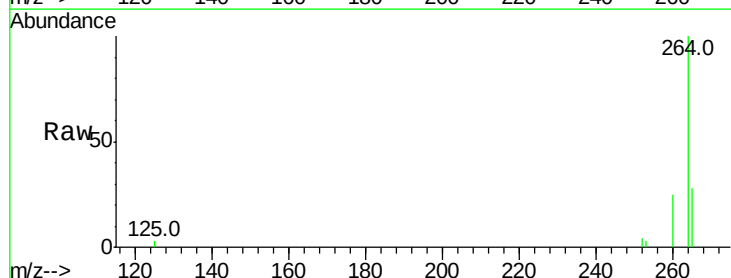
Tgt Ion:264 Resp: 8501

Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

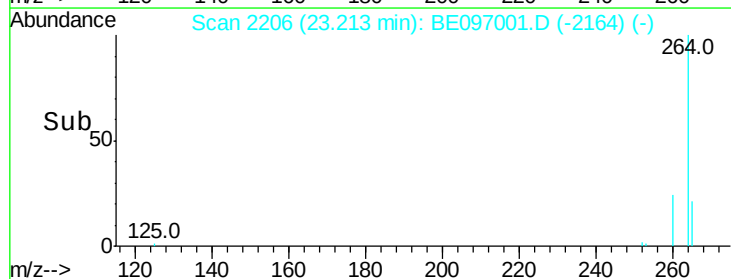
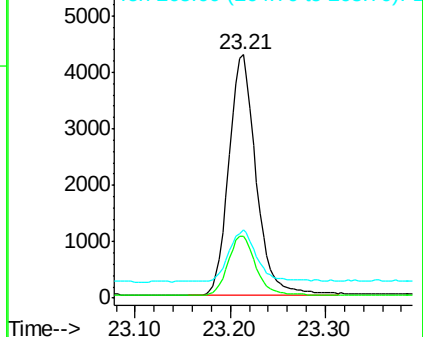
265 28.2 22.8 34.2

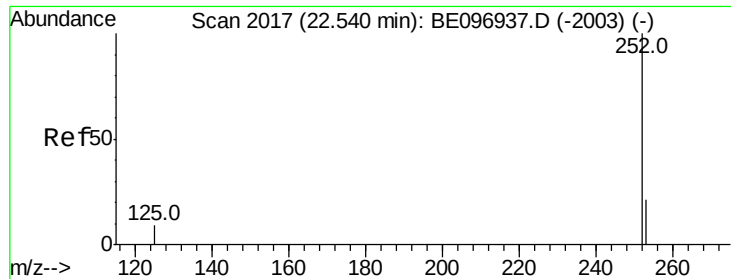


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.461 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

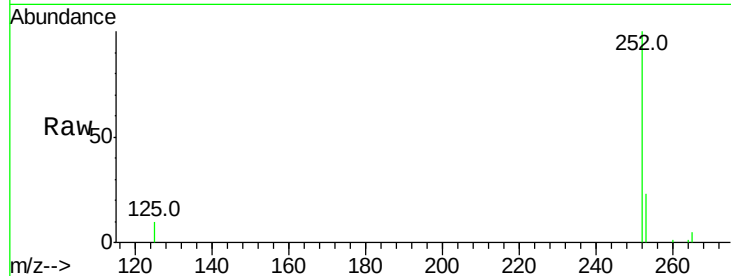
Tot Ion:252 Resp: 10010

Ion Ratio Lower Upper

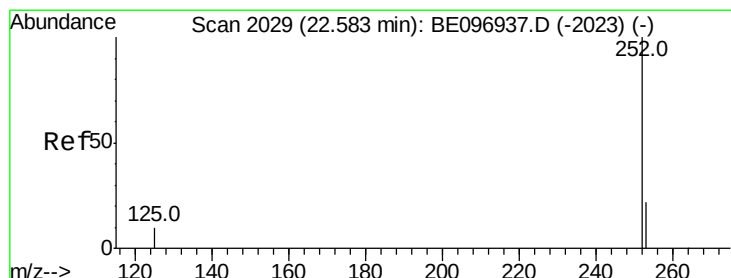
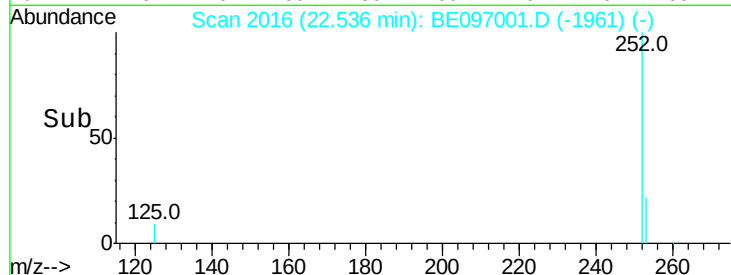
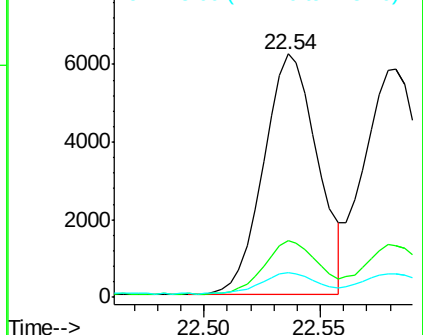
252 100

253 23.1 20.0 30.0

125 10.1 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.430 ng

RT: 22.58 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

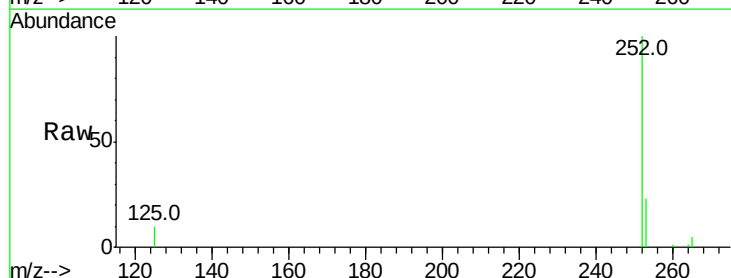
Tgt Ion:252 Resp: 11102

Ion Ratio Lower Upper

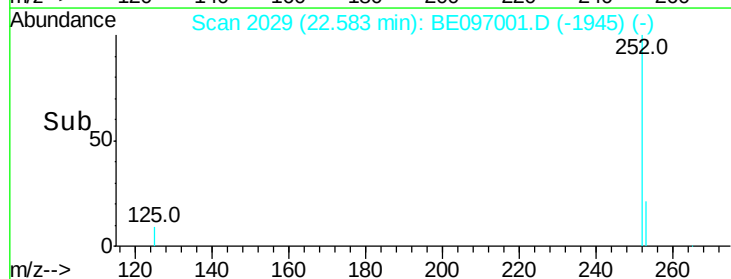
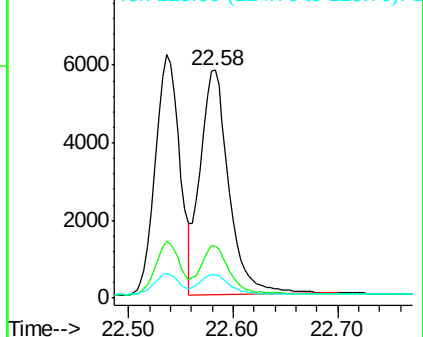
252 100

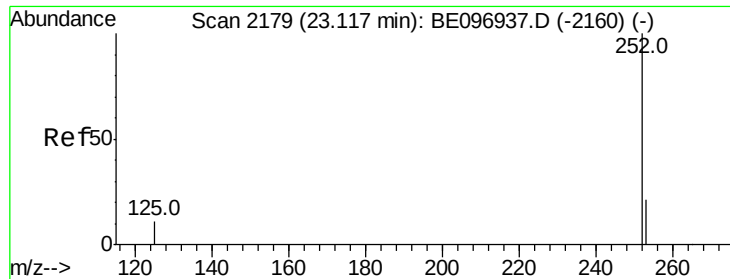
253 22.7 16.0 24.0

125 10.3 8.0 12.0



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





#37

Benzo(a)pyrene

Concen: 0.469 ng

RT: 23.11 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

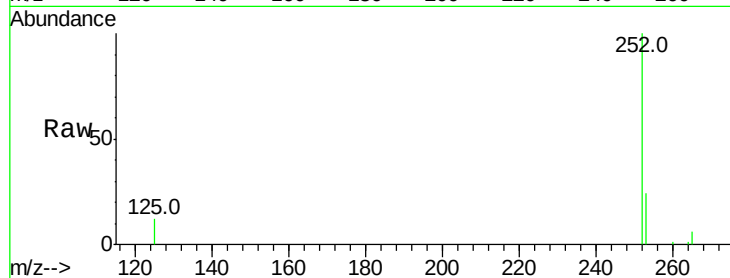
Tot Ion:252 Resp: 9070

Ion Ratio Lower Upper

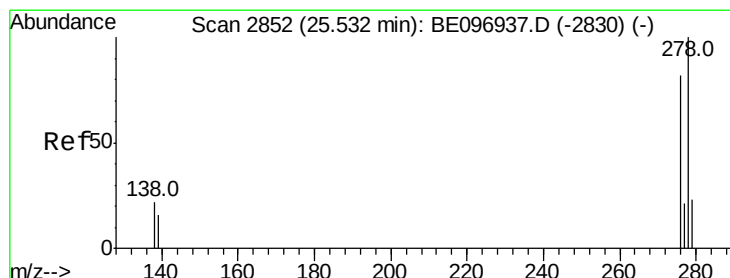
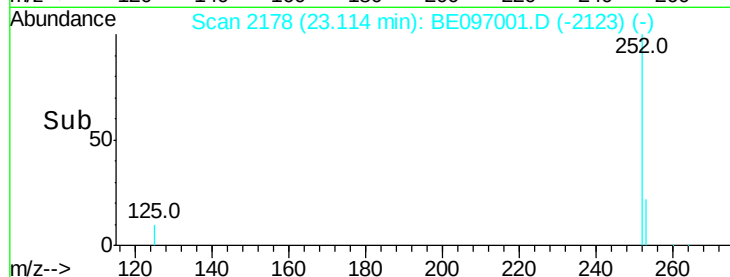
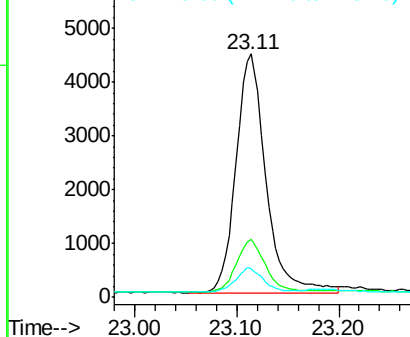
252 100

253 23.6 16.0 24.0

125 11.8 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: 0.562 ng

RT: 25.53 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

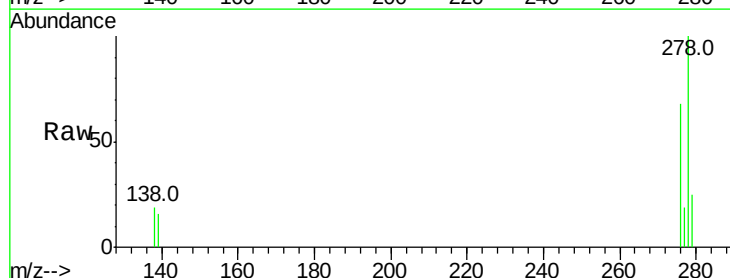
Tgt Ion:278 Resp: 9427

Ion Ratio Lower Upper

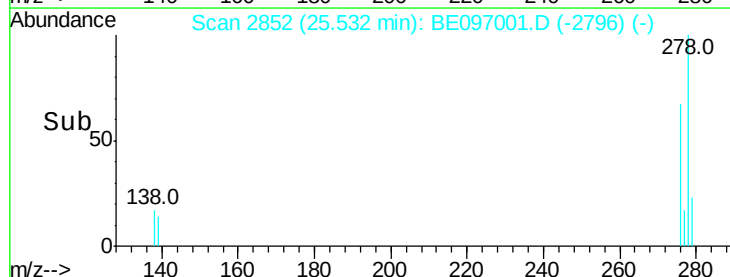
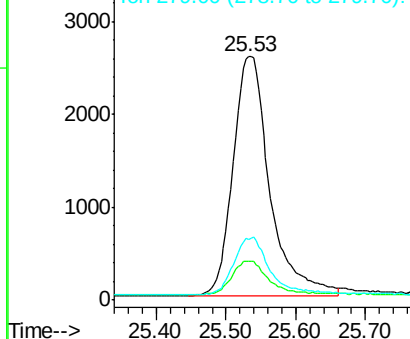
278 100

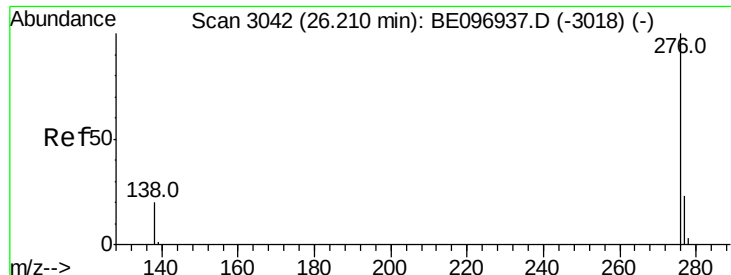
139 15.9 16.0 24.0#

279 25.1 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.584 ng

RT: 26.21 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BE097001.D

Acq: 19 Jul 2018 12:42

Instrument :

BNA_E

ClientSampleId :

PB111184BS

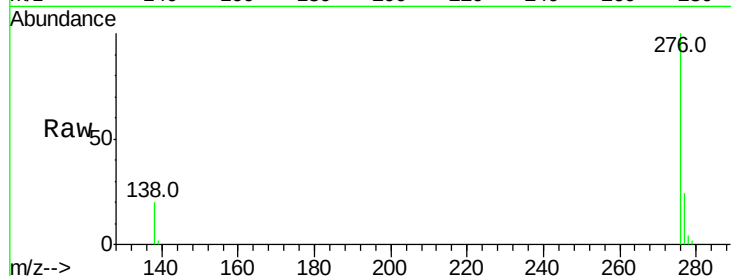
Tot Ion:276 Resp: 10302

Ion Ratio Lower Upper

276 100

277 24.0 16.0 24.0#

138 19.8 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

