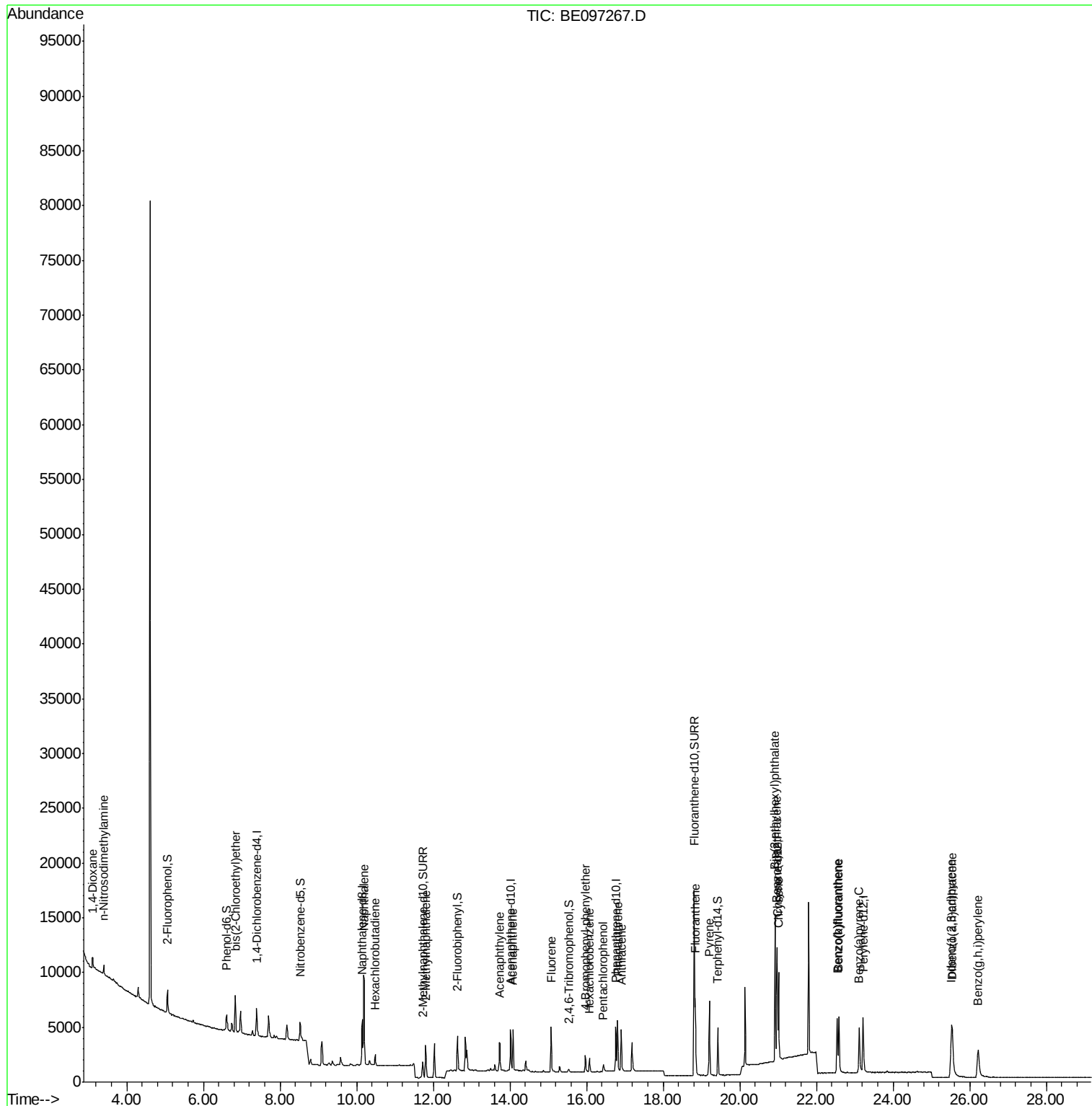
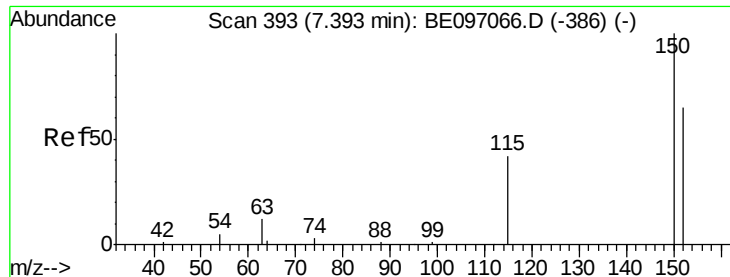


Data File : BE097267.D
Acq On : 10 Aug 2018 18:13
Operator : SJ/JU
Sample : PB111898BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB111898BS

Quant Time: Aug 10 23:07:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 10:49:28 2018
Response via : Initial Calibration



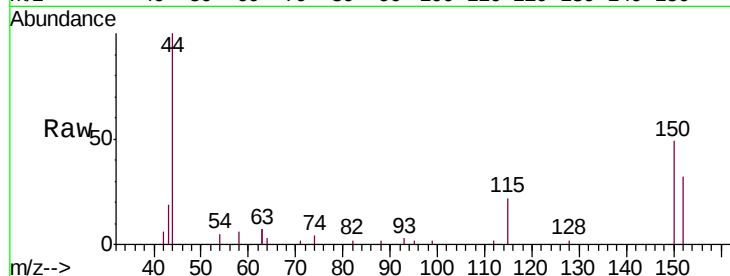


#1

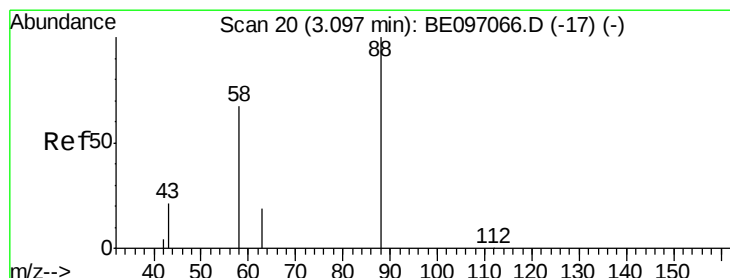
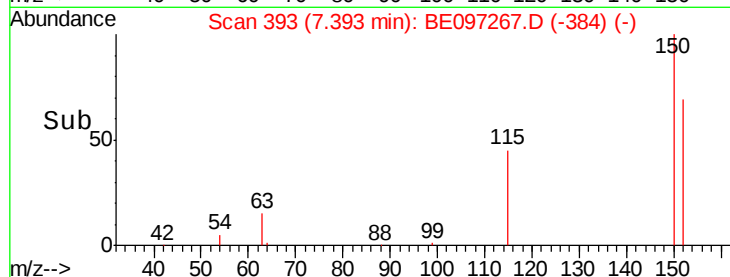
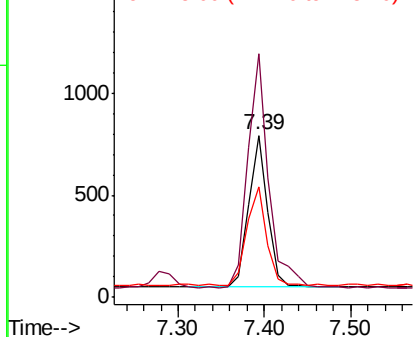
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

Instrument :
BNA_E
ClientSampleId :
PB111898BS

Tgt Ion:152 Resp: 1153
Ion Ratio Lower Upper
152 100
150 150.5 117.2 175.8
115 68.3 57.0 85.6



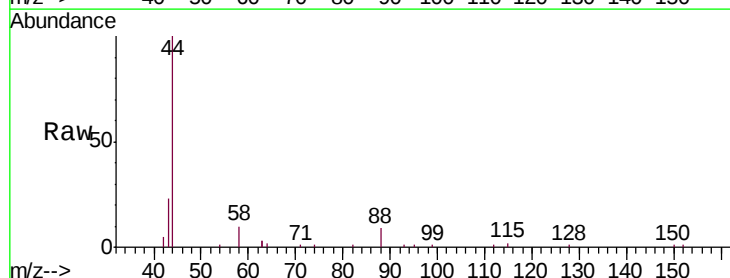
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



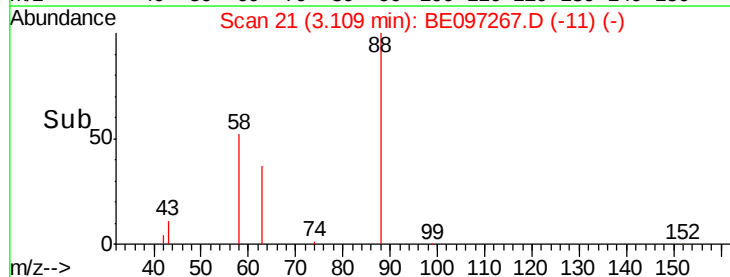
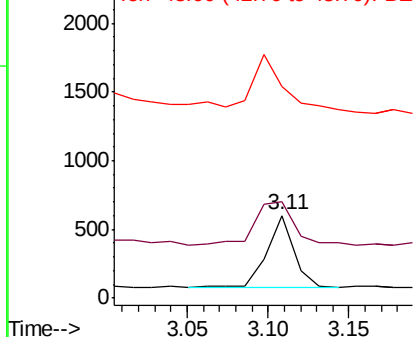
#2

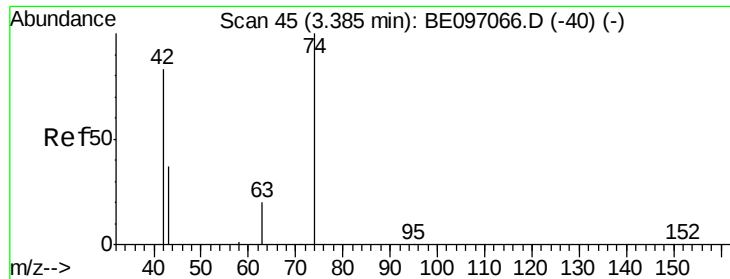
1,4-Dioxane
Concen: 0.324 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

Tgt Ion: 88 Resp: 593
Ion Ratio Lower Upper
88 100
58 92.2 63.2 94.8
43 97.3 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: 0.309 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

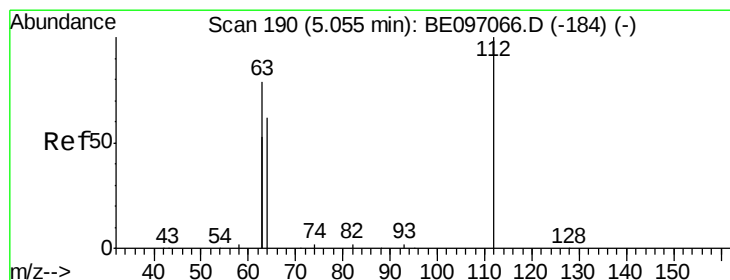
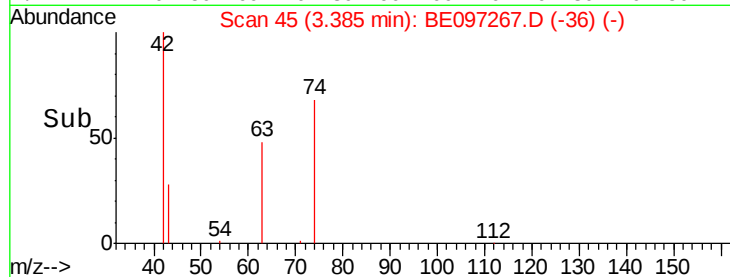
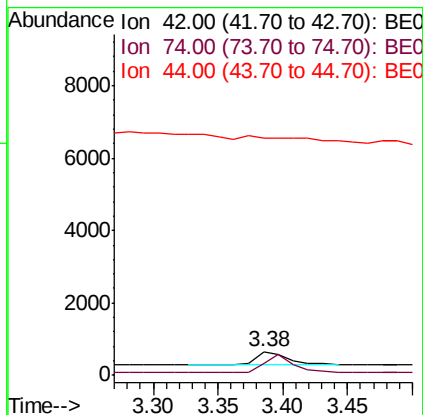
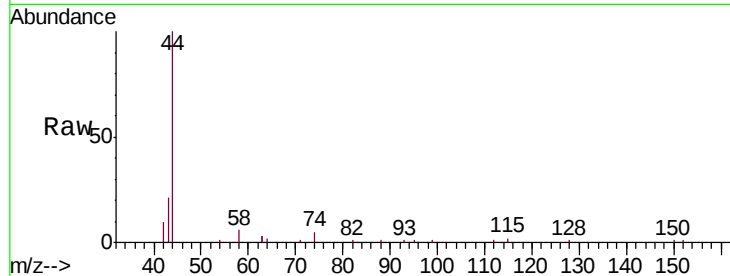
Instrument :

BNA_E

ClientSampleId :

PB111898BS

Tgt Ion:	42	Resp:	634
Ion	Ratio	Lower	Upper
42	100		
74	124.0	96.0	144.0
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.338 ng

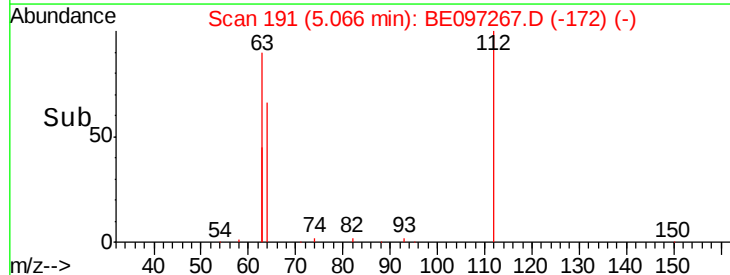
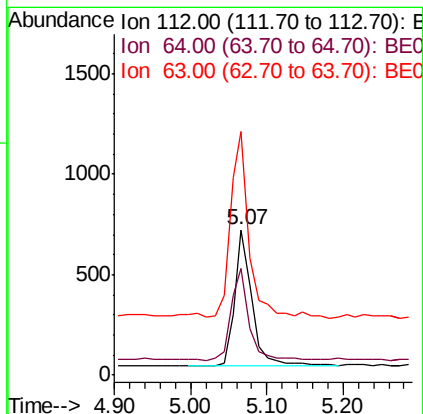
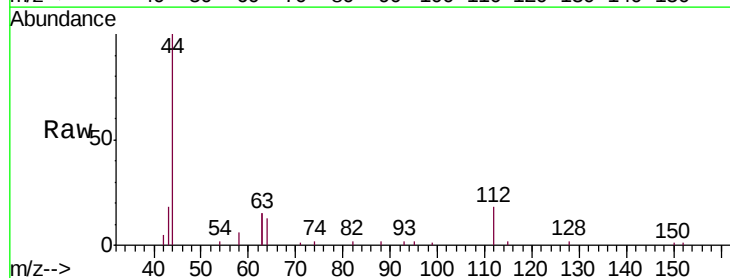
RT: 5.07 min Scan# 191

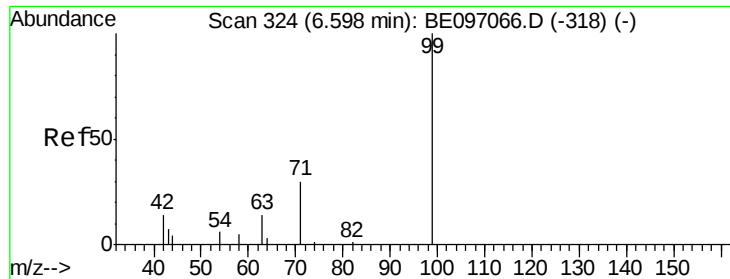
Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Tgt Ion:	112	Resp:	1096
Ion	Ratio	Lower	Upper
112	100		
64	69.9	60.1	90.1
63	146.3	116.8	175.2





#5

Phenol-d6

Concen: 0.297 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

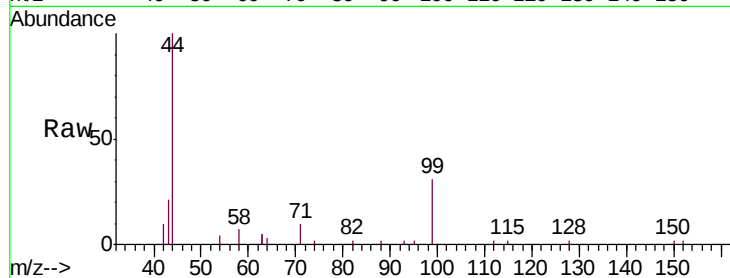
Tgt Ion: 99 Resp: 1414

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

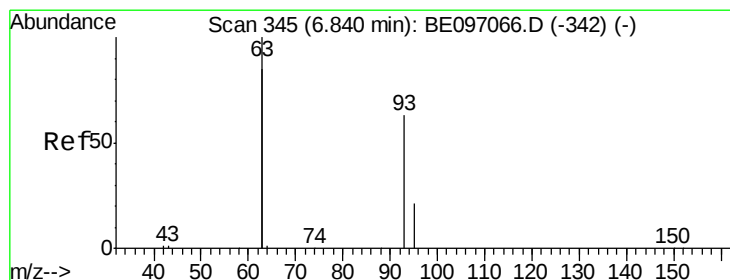
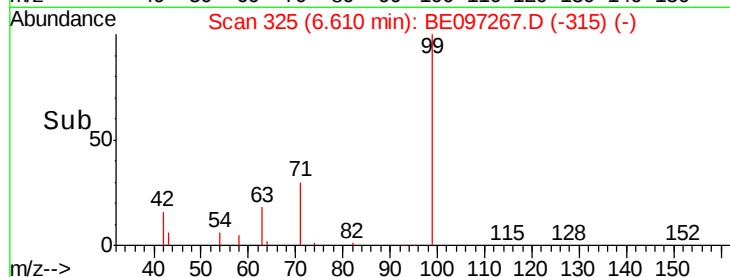
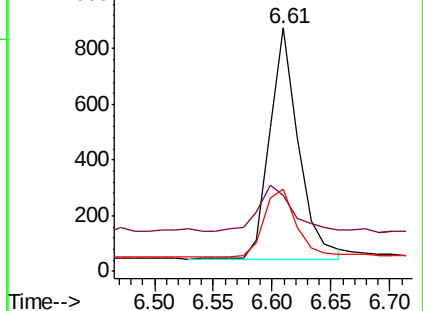
71 33.2 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.285 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

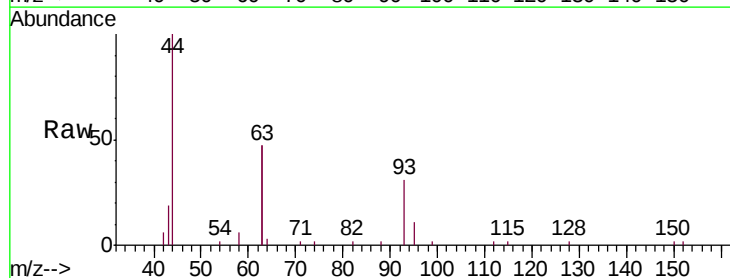
Tgt Ion: 93 Resp: 1236

Ion Ratio Lower Upper

93 100

63 330.1 275.3 412.9

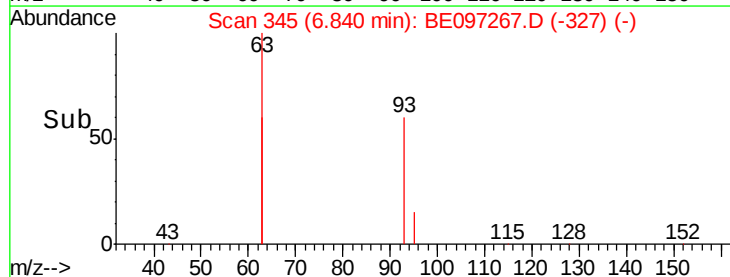
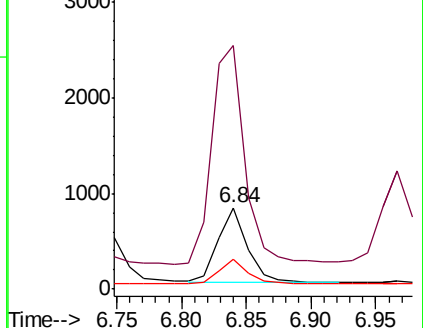
95 32.3 25.2 37.8

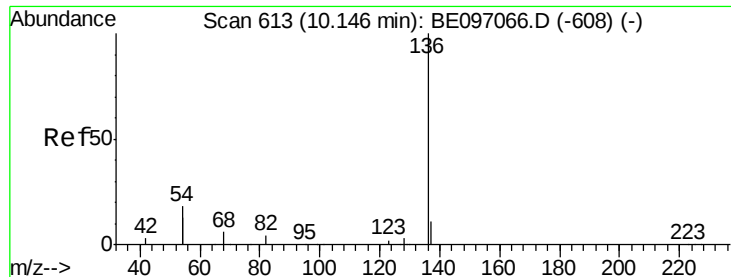


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

Tgt Ion:136 Resp: 4900

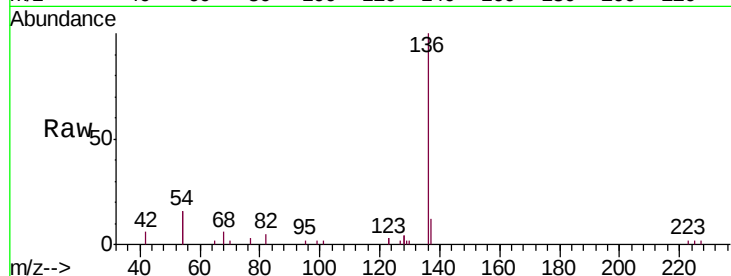
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 31.5 29.1 43.7

68 6.5 6.2 9.2

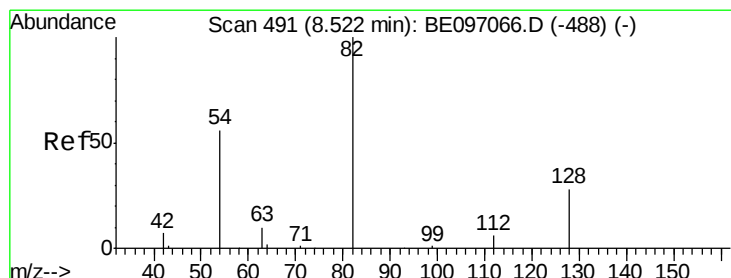
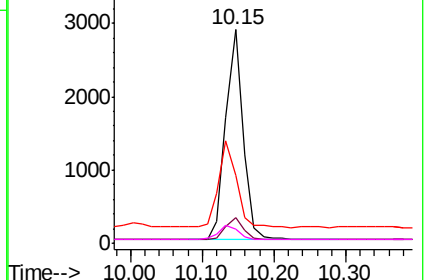
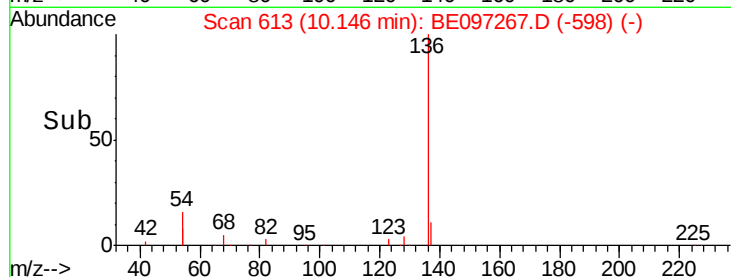


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.366 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

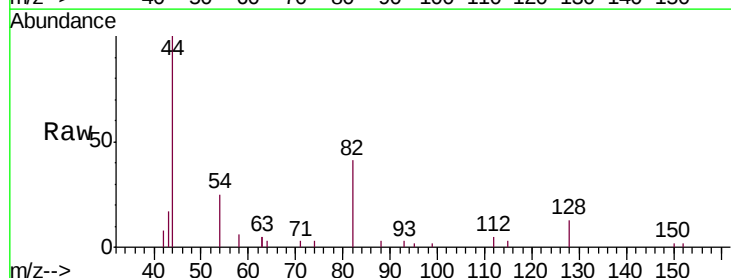
Tgt Ion: 82 Resp: 1560

Ion Ratio Lower Upper

82 100

128 32.0 24.0 36.0

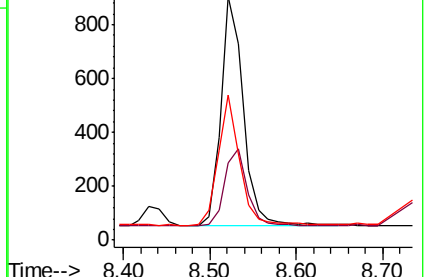
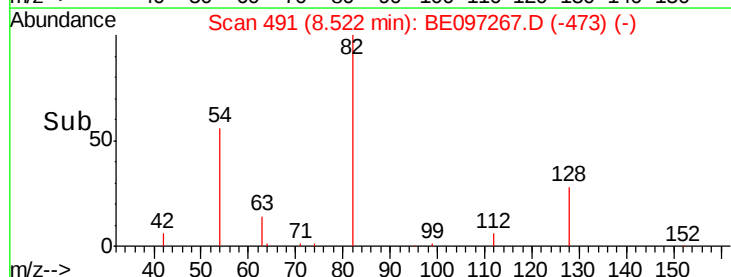
54 59.7 40.0 60.0

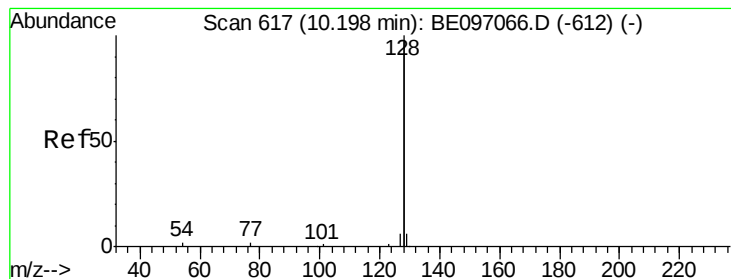


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.341 ng

RT: 10.19 min Scan# 616

Delta R.T. -0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

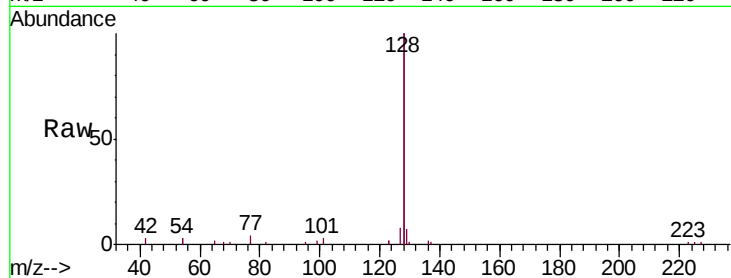
Tgt Ion:128 Resp: 15008

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

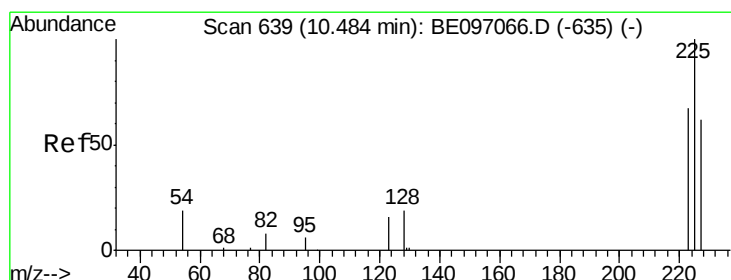
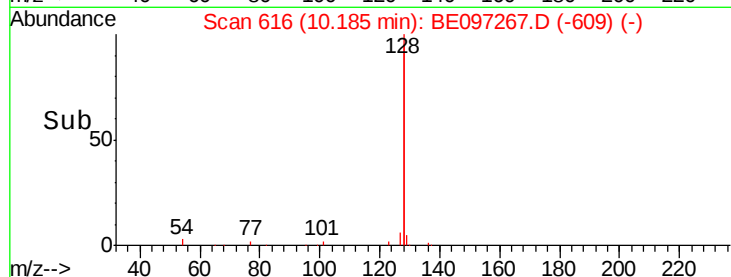
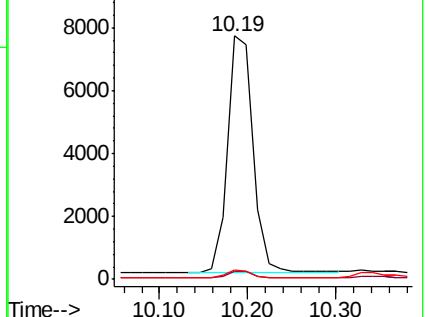
127 3.9 2.8 4.2



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: 0.332 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

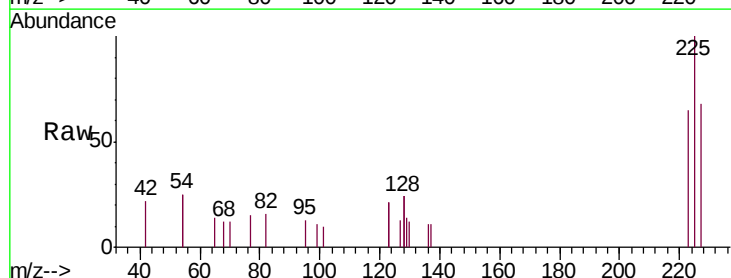
Tgt Ion:225 Resp: 655

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

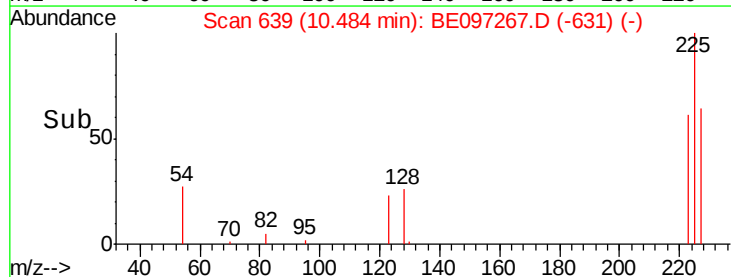
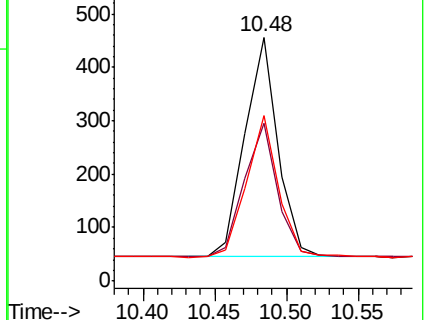
227 62.9 51.4 77.2

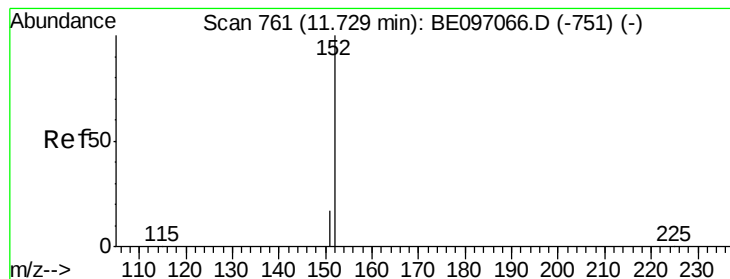


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

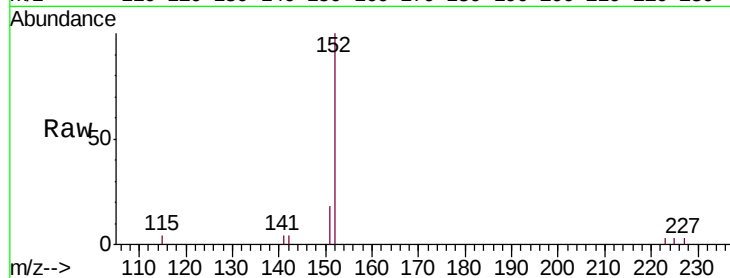
PB111898BS

Tgt Ion:152 Resp: 2772

Ion Ratio Lower Upper

152 100

151 14.9 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

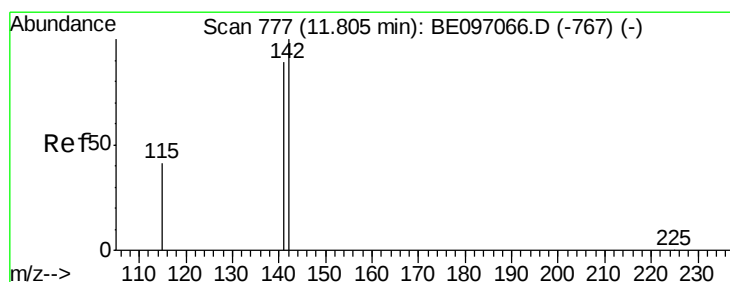
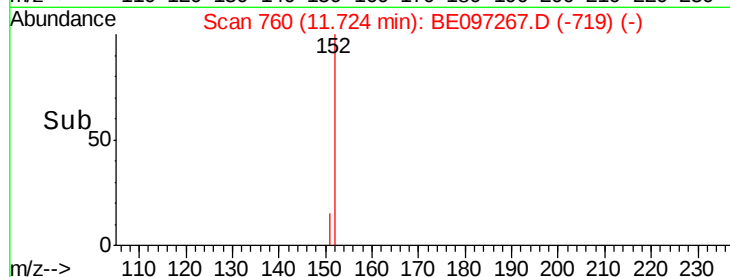
11.72

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.306 ng

RT: 11.80 min Scan# 777

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

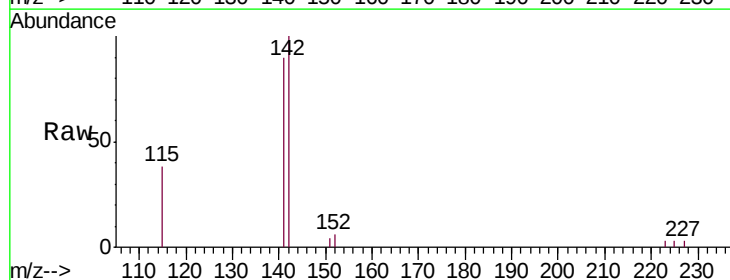
Tgt Ion:142 Resp: 2309

Ion Ratio Lower Upper

142 100

141 89.9 70.4 105.6

115 38.4 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

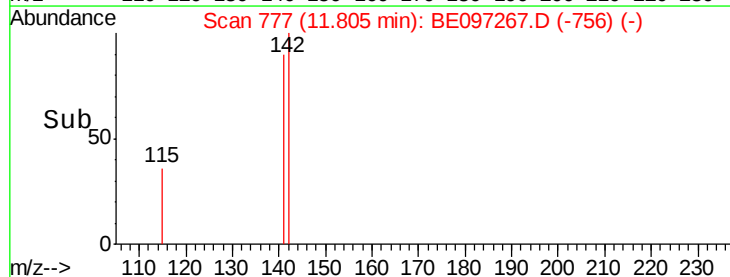
1500

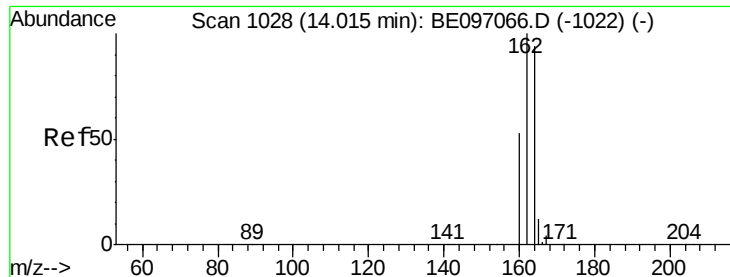
1000

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: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

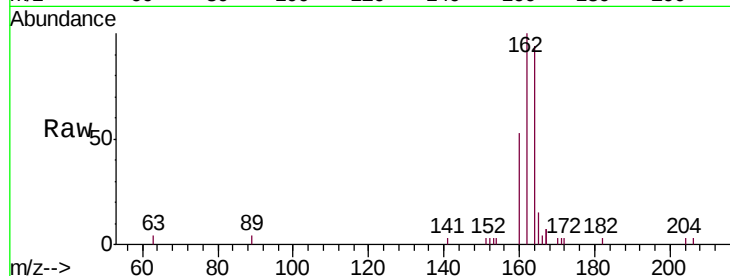
Tgt Ion:164 Resp: 2274

Ion Ratio Lower Upper

164 100

162 106.2 83.1 124.7

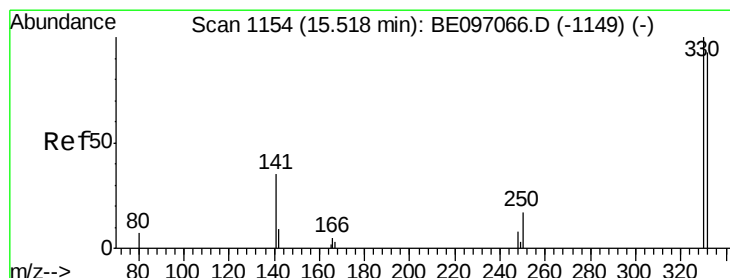
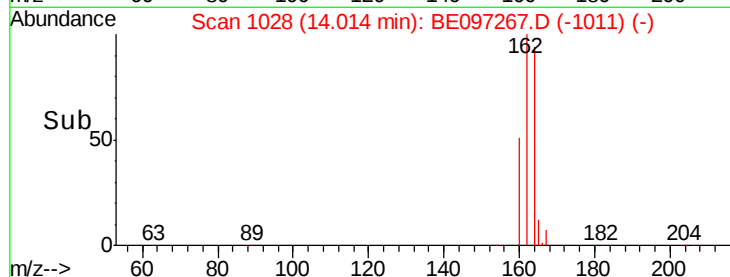
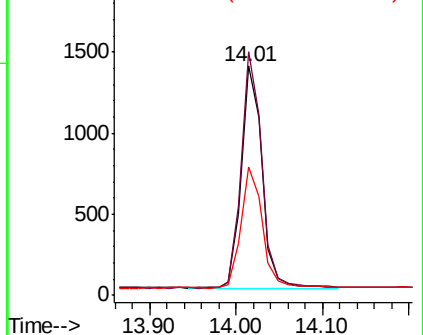
160 55.9 37.1 55.7#



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: 0.238 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

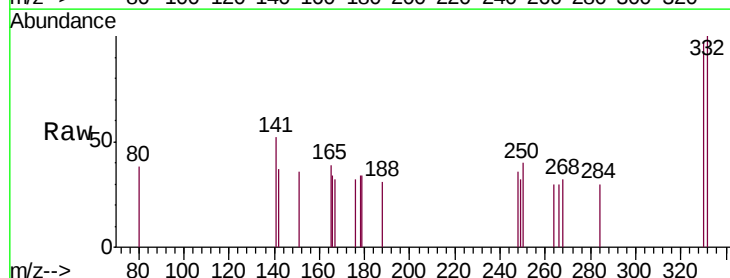
Tgt Ion:330 Resp: 178

Ion Ratio Lower Upper

330 100

332 97.2 152.7 229.1#

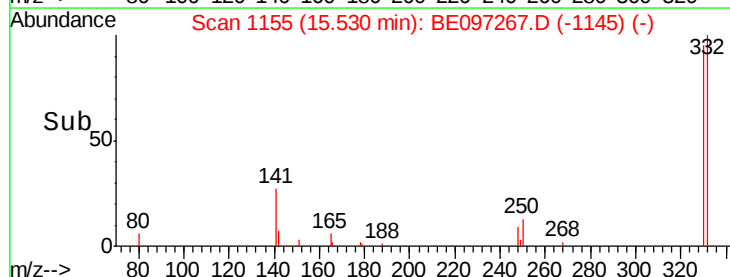
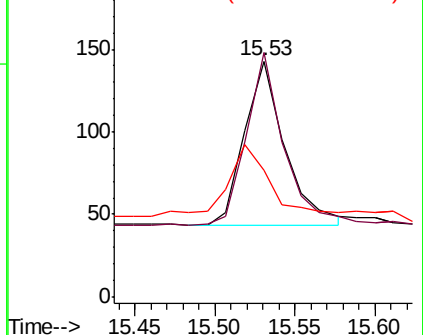
141 43.8 33.7 50.5

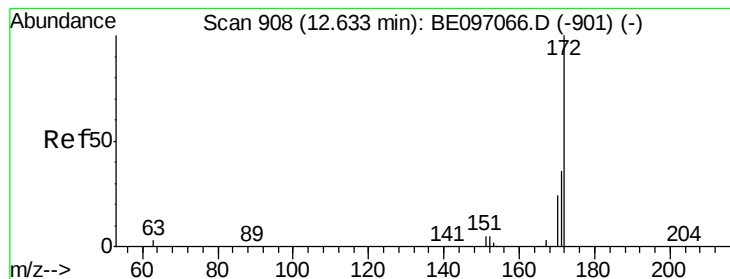


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.405 ng

RT: 12.63 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

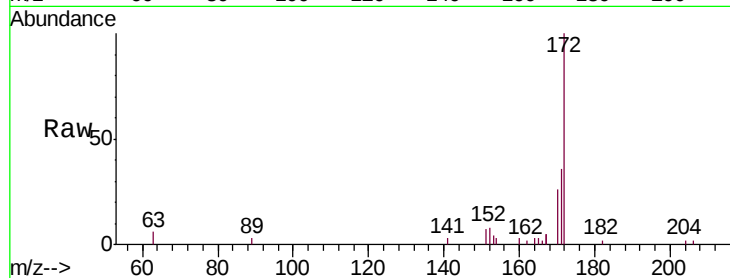
Tgt Ion:172 Resp: 3180

Ion Ratio Lower Upper

172 100

171 36.3 29.9 44.9

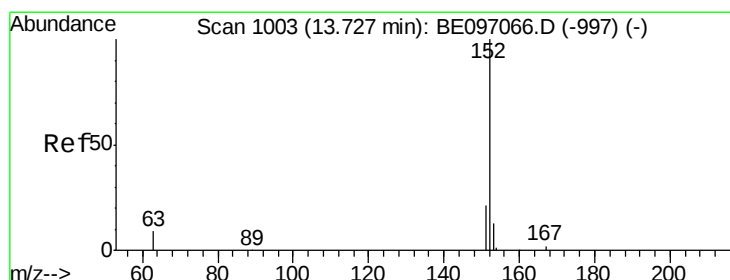
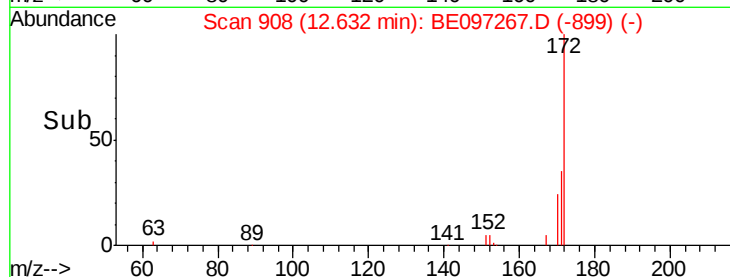
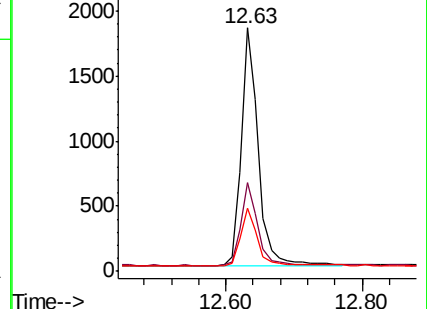
170 26.0 21.8 32.8



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: 0.338 ng

RT: 13.73 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

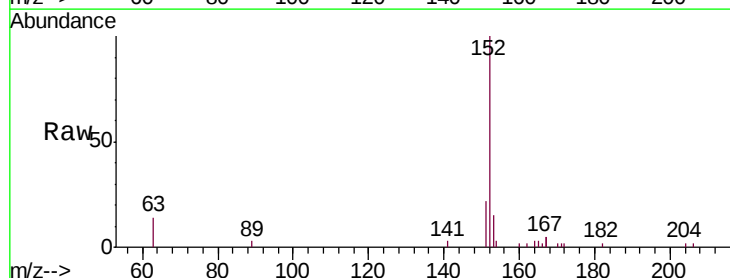
Tgt Ion:152 Resp: 3450

Ion Ratio Lower Upper

152 100

151 19.2 15.7 23.5

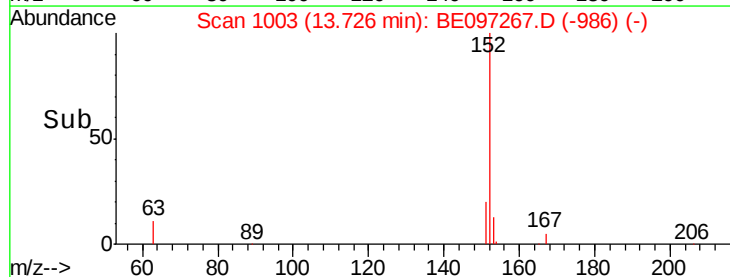
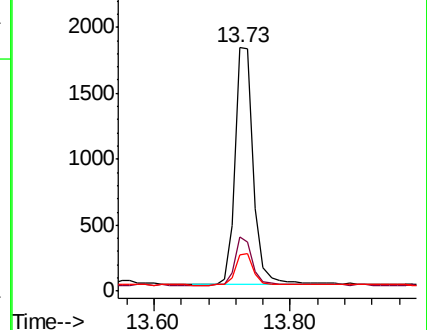
153 13.0 10.5 15.7

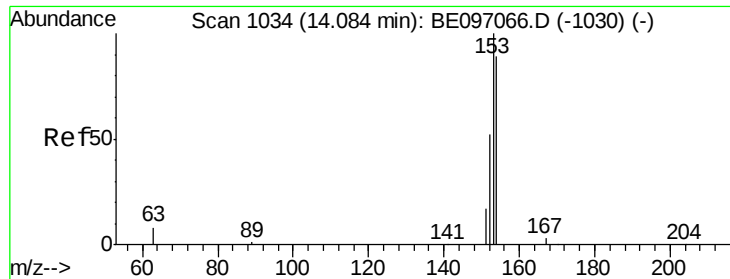


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.333 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

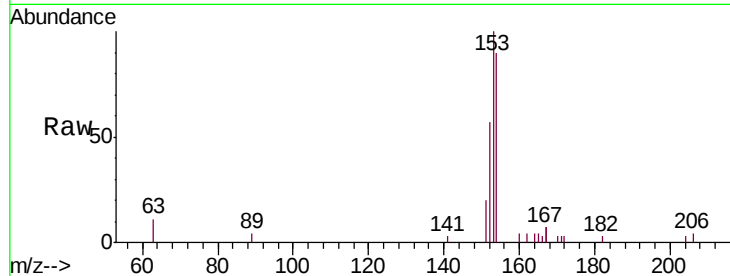
Tgt Ion:154 Resp: 1973

Ion Ratio Lower Upper

154 100

153 114.9 89.2 133.8

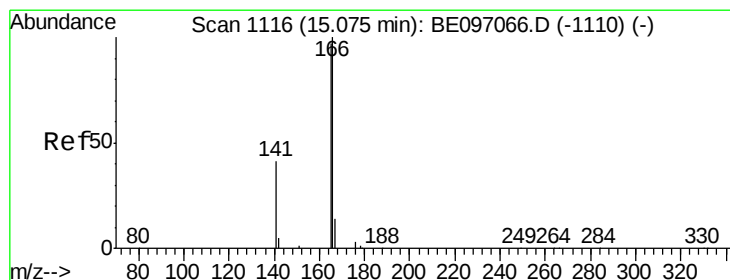
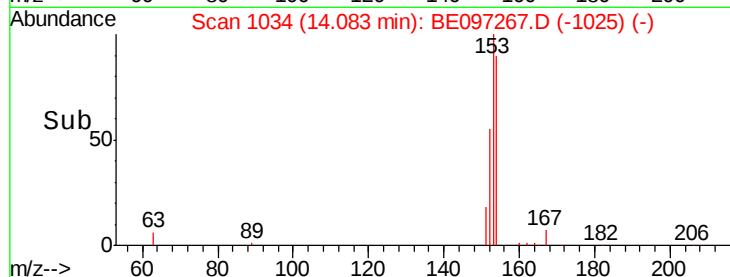
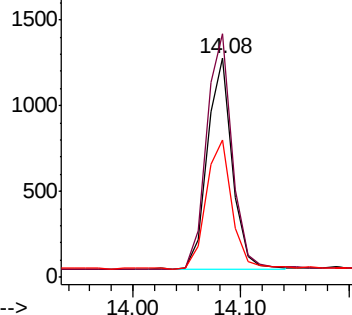
152 64.0 42.0 63.0#



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: 0.324 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

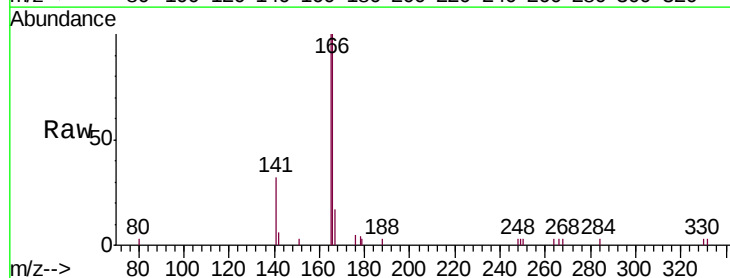
Tgt Ion:166 Resp: 2544

Ion Ratio Lower Upper

166 100

165 100.9 77.8 116.6

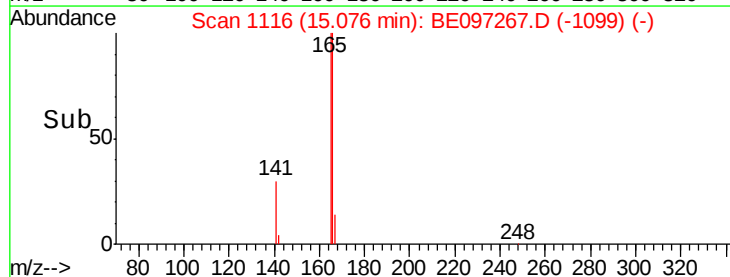
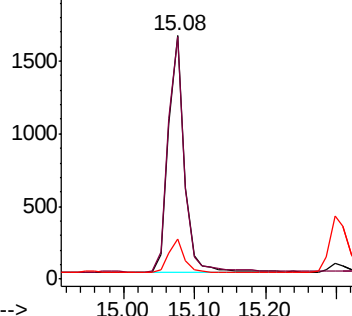
167 13.9 42.4 63.6#

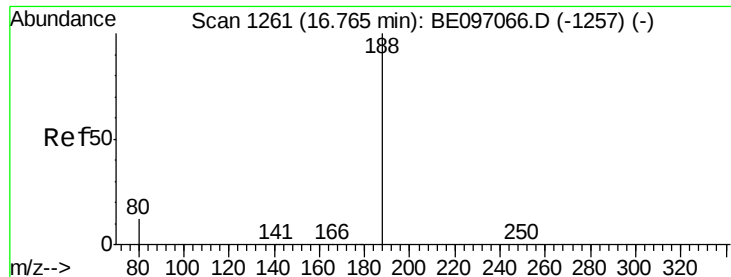


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

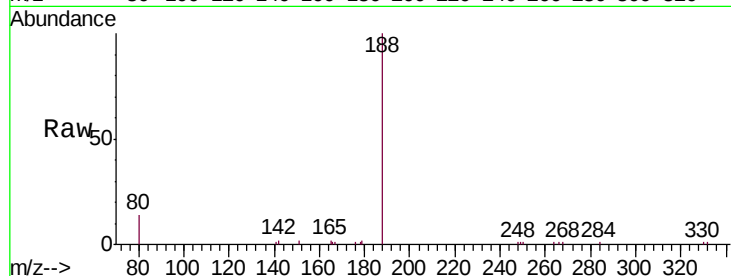
Tgt Ion:188 Resp: 6026

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

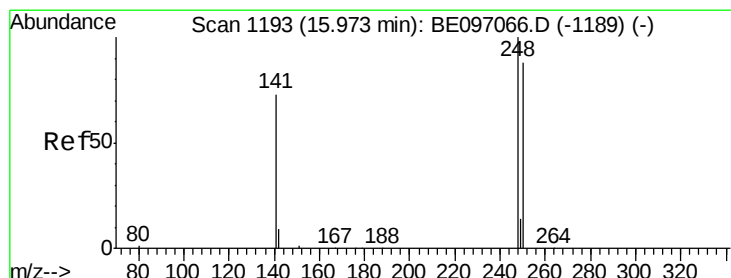
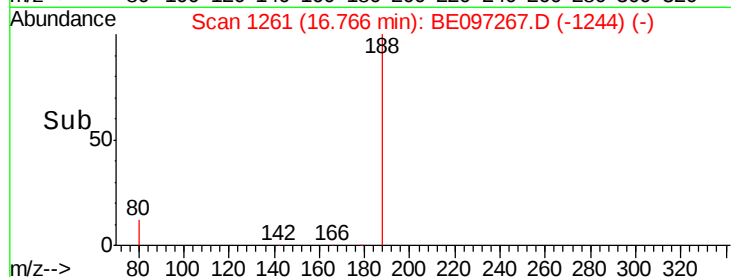
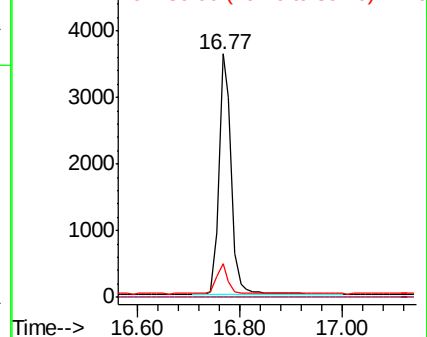
80 13.6 3.6 5.4#



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: 0.290 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

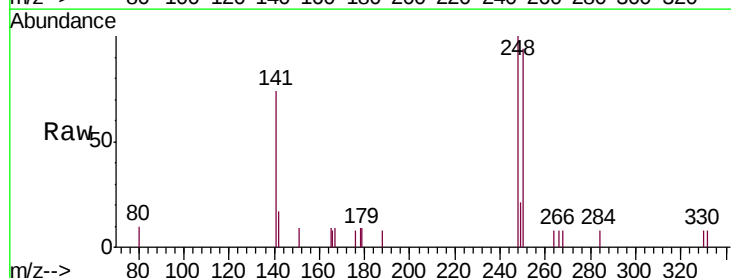
Tgt Ion:248 Resp: 850

Ion Ratio Lower Upper

248 100

250 94.4 62.7 94.1#

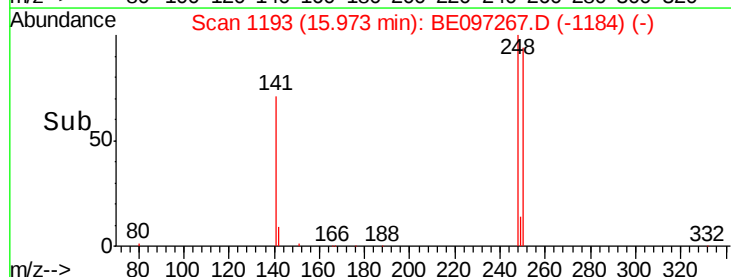
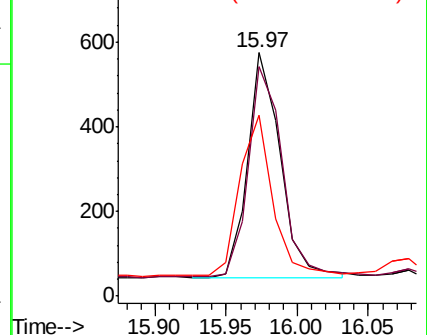
141 74.1 48.2 72.2#

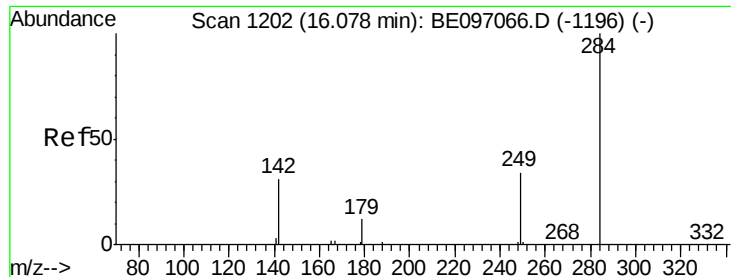


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

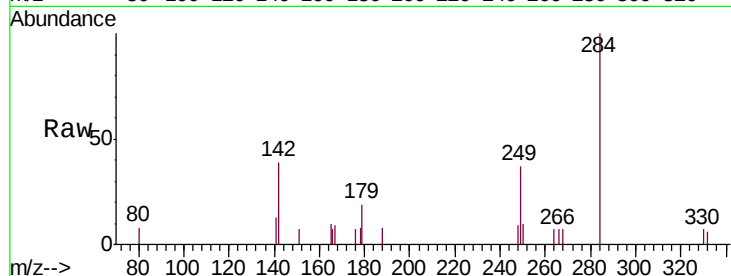




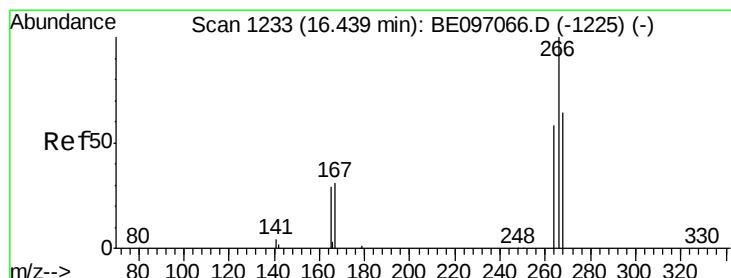
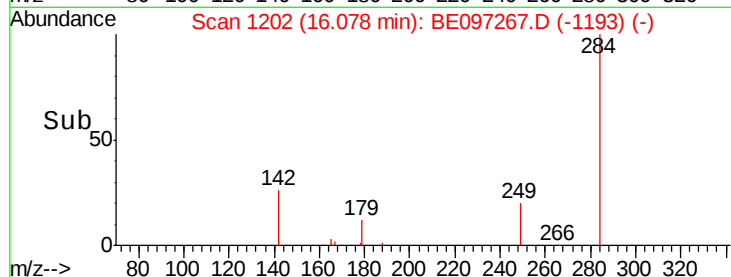
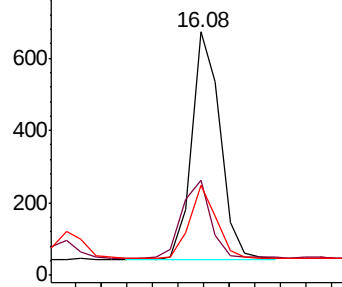
#21
Hexachlorobenzene
Concen: 0.308 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

Instrument :
BNA_E
ClientSampleId :
PB111898BS

Tgt Ion: 284 Resp: 969
Ion Ratio Lower Upper
284 100
142 34.0 22.1 33.1#
249 30.5 34.8 52.2#

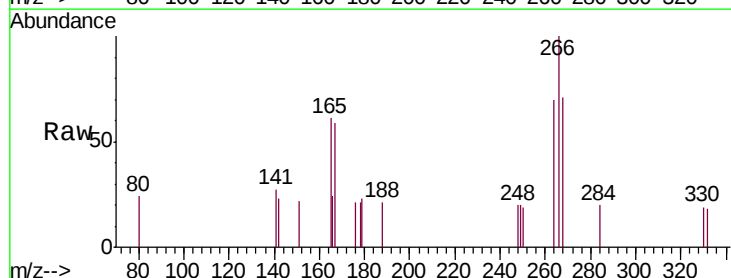


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

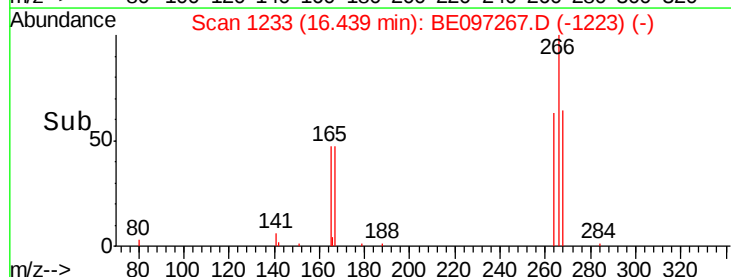
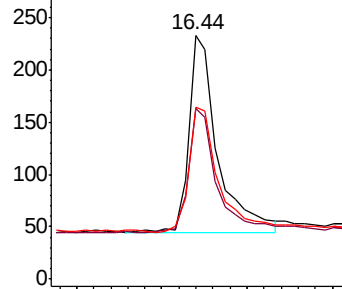


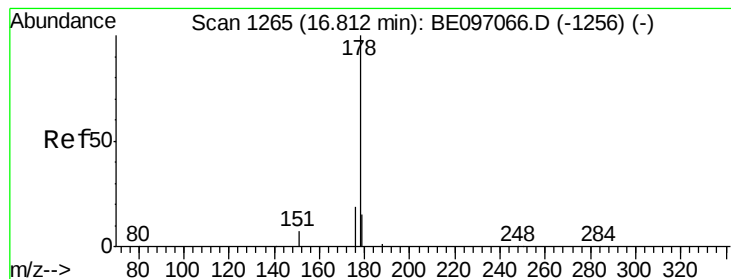
#22
Pentachlorophenol
Concen: 0.569 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

Tgt Ion: 266 Resp: 443
Ion Ratio Lower Upper
266 100
264 70.0 72.5 108.7#
268 70.8 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: 0.332 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

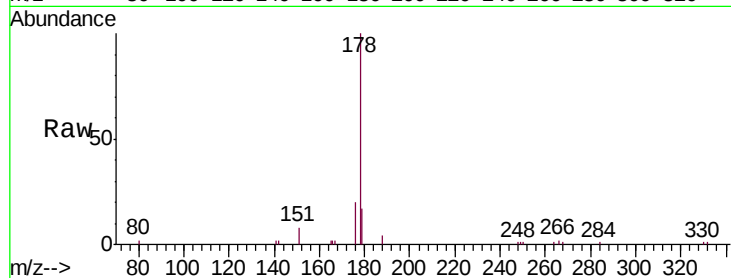
Tgt Ion:178 Resp: 4766

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

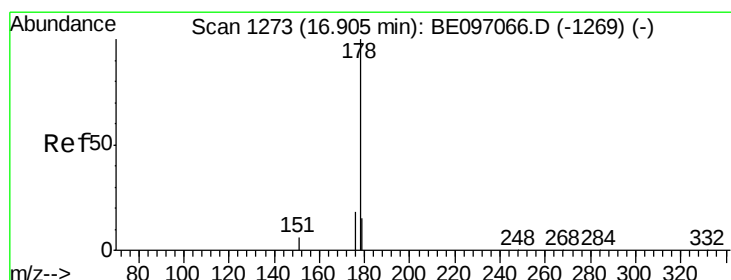
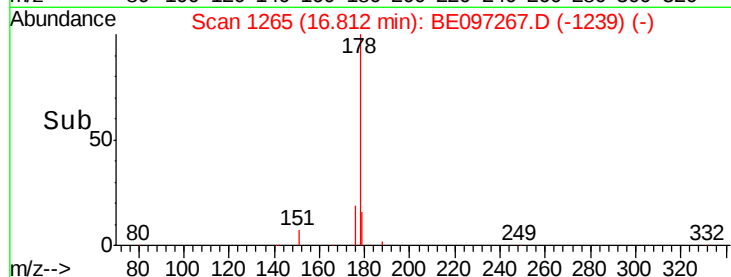
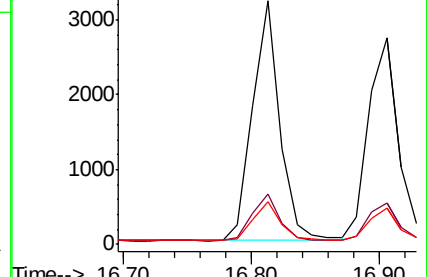
179 16.3 11.8 17.6



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: 0.345 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

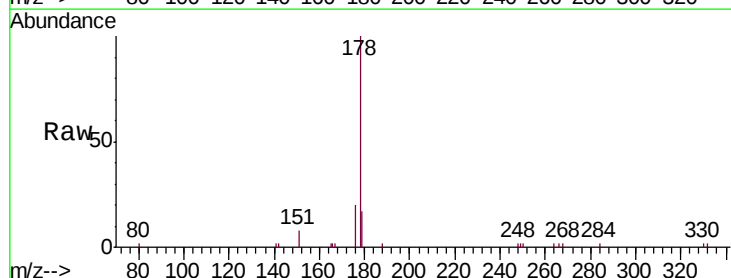
Tgt Ion:178 Resp: 4428

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

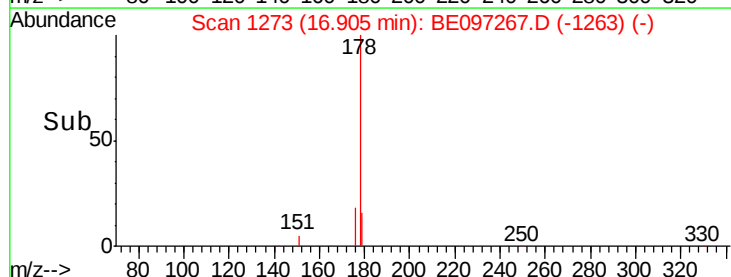
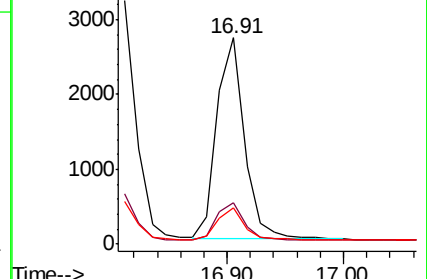
179 15.8 13.0 19.6

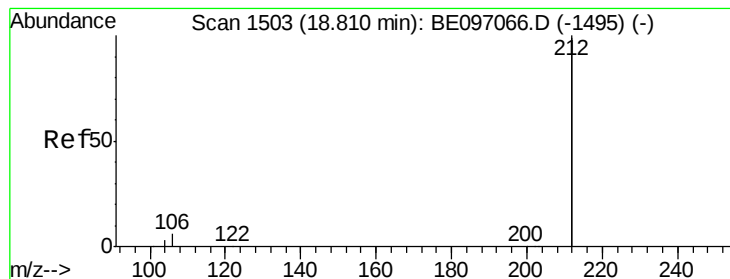


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.383 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

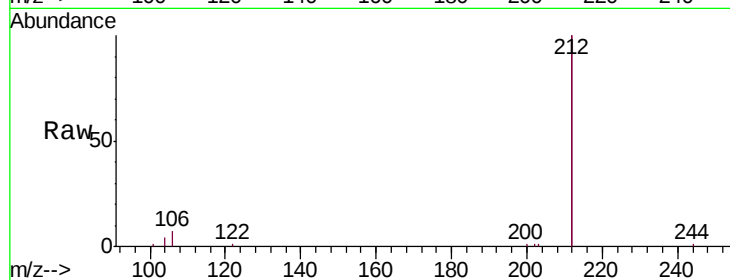
Tgt Ion:212 Resp: 23117

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

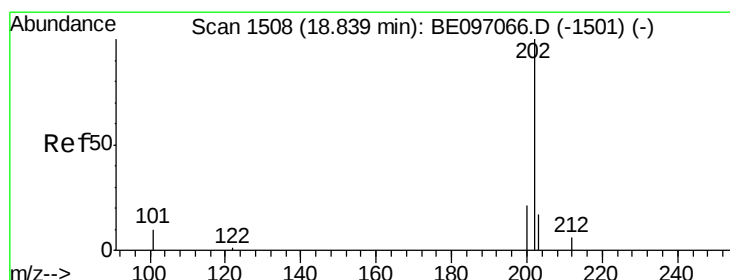
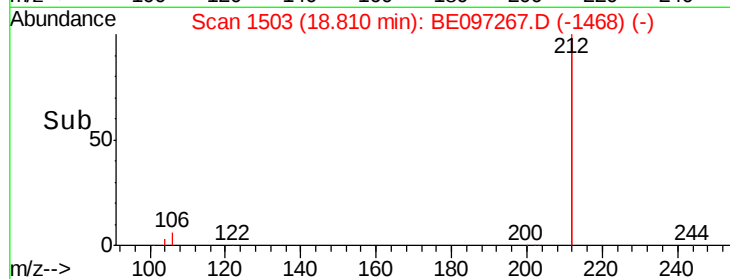
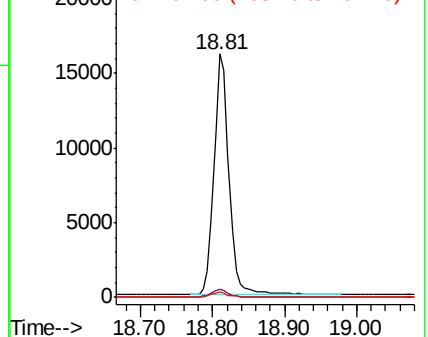
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.386 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

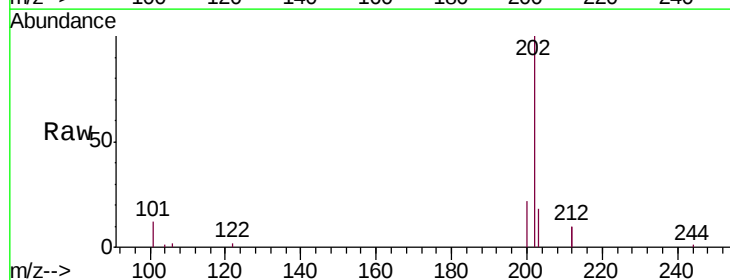
Tgt Ion:202 Resp: 6228

Ion Ratio Lower Upper

202 100

101 10.4 9.8 14.8

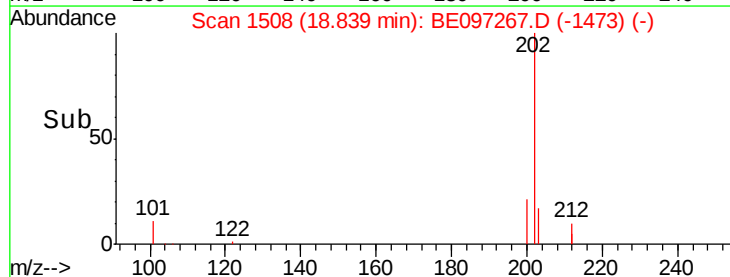
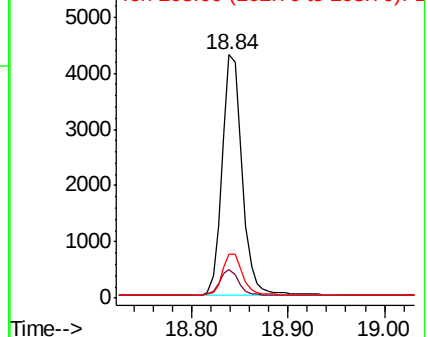
203 17.1 13.7 20.5

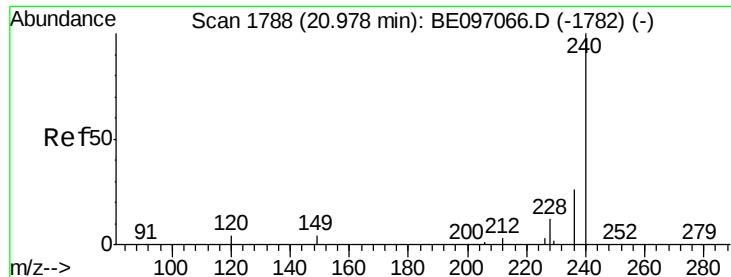


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

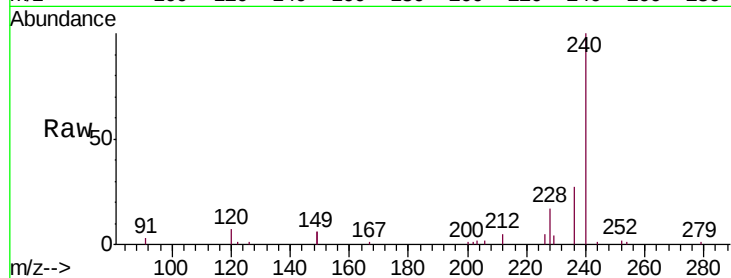




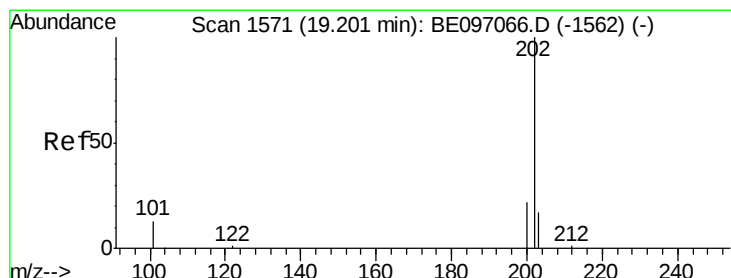
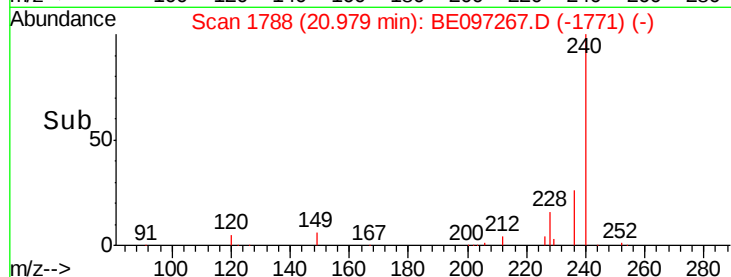
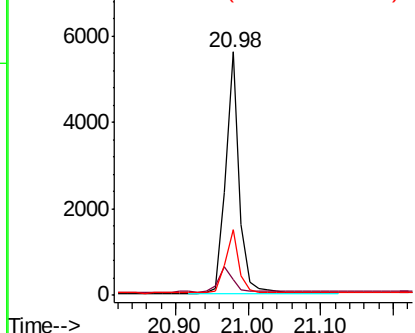
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

Instrument :
 BNA_E
 ClientSampleId :
 PB111898BS

Tgt Ion: 240 Resp: 7391
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.5 8.3
 236 27.2 20.7 31.1

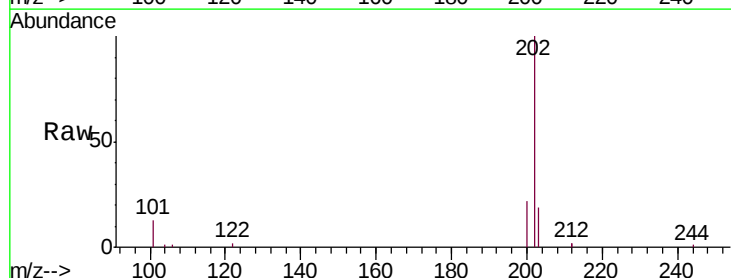


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

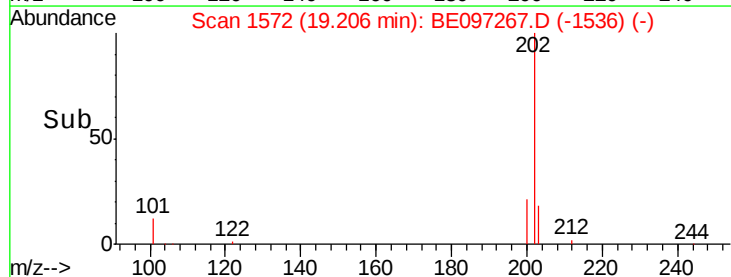
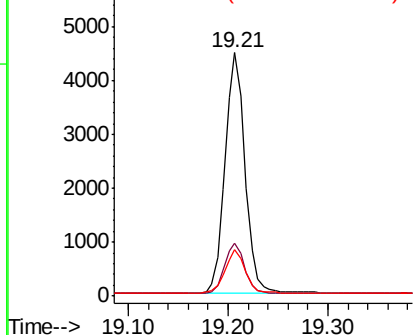


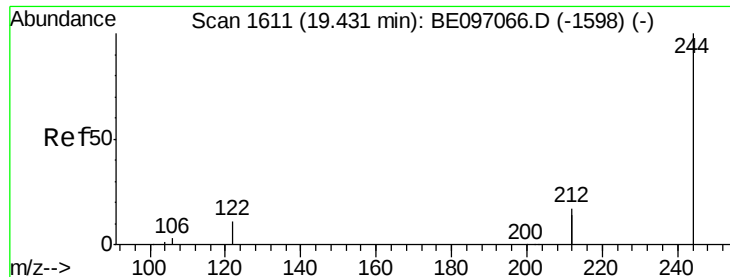
#28
 Pyrene
 Concen: 0.308 ng
 RT: 19.21 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

Tgt Ion: 202 Resp: 6254
 Ion Ratio Lower Upper
 202 100
 200 21.2 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

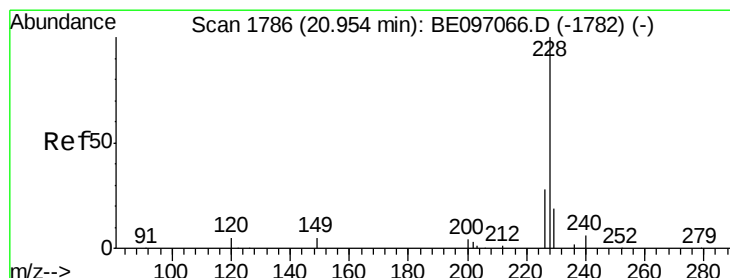
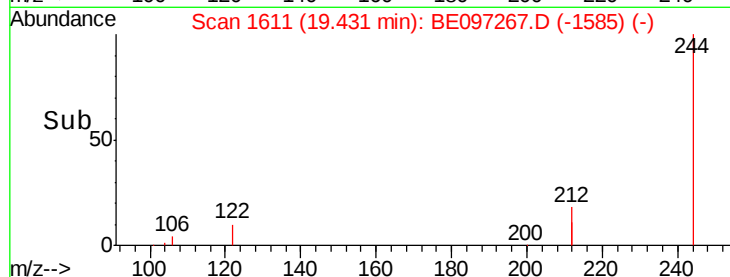
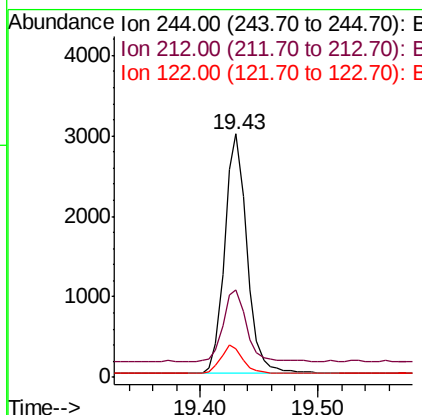
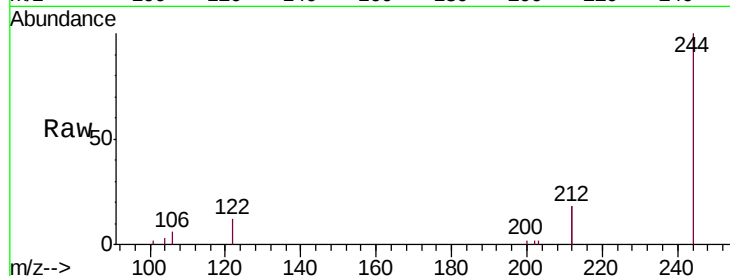




#29
 Terphenyl-d14
 Concen: 0.276 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

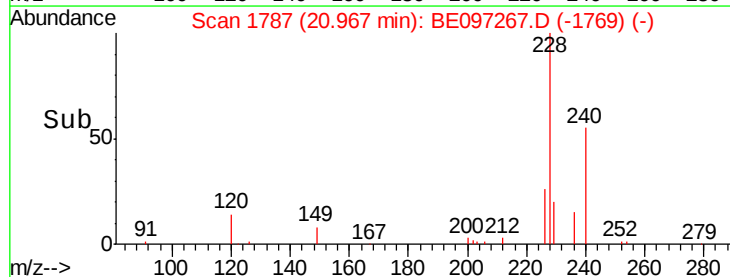
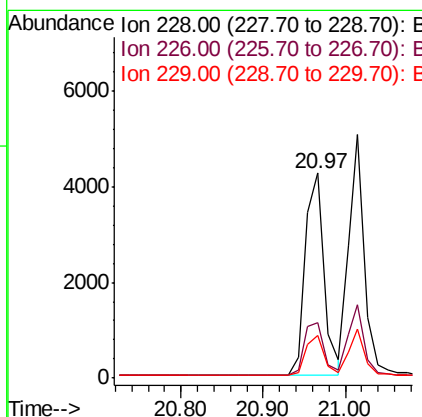
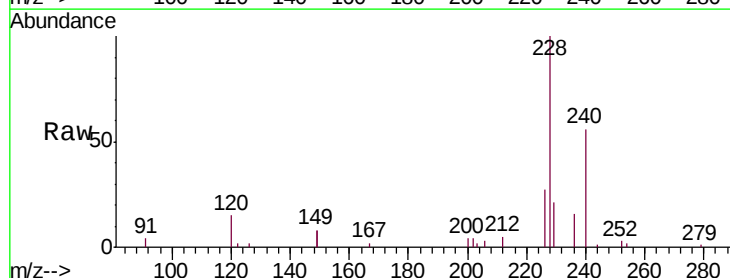
Instrument :
 BNA_E
 ClientSampleId :
 PB111898BS

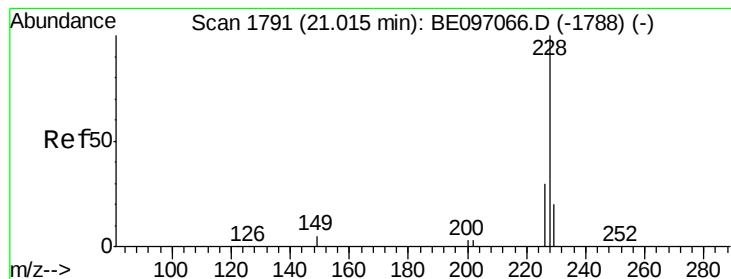
Tgt Ion: 244 Resp: 3916
 Ion Ratio Lower Upper
 244 100
 212 35.8 25.4 38.0
 122 11.5 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.366 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

Tgt Ion: 228 Resp: 6730
 Ion Ratio Lower Upper
 228 100
 226 27.2 24.0 36.0
 229 20.7 16.0 24.0





#31

Chrysene

Concen: 0.341 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

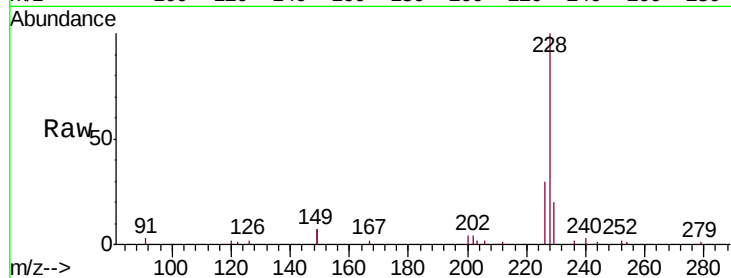
Tgt Ion:228 Resp: 6726

Ion Ratio Lower Upper

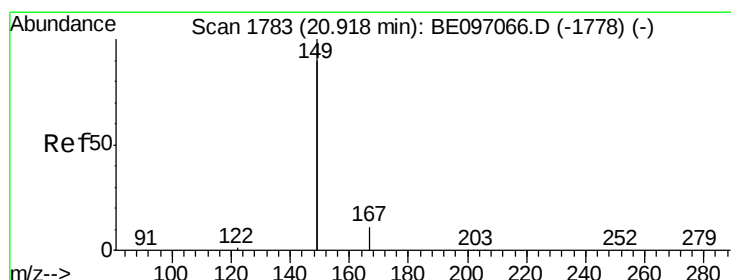
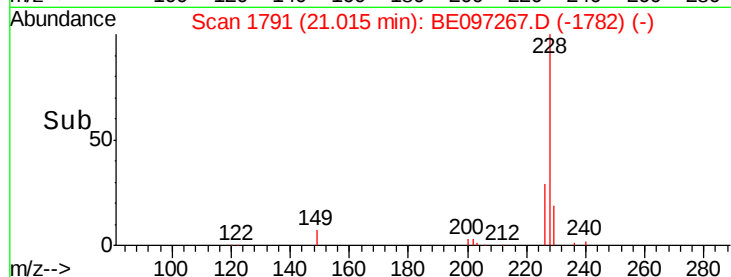
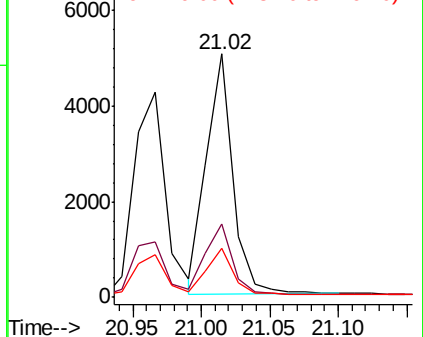
228 100

226 30.0 24.0 36.0

229 20.4 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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.632 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

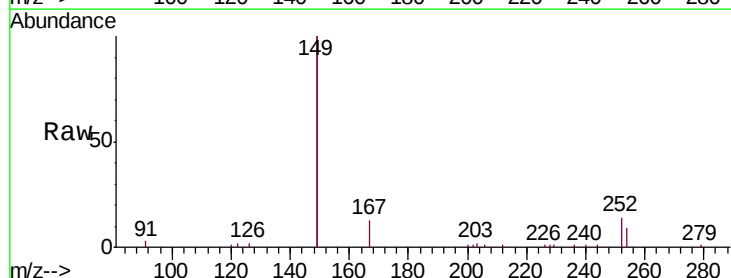
Tgt Ion:149 Resp: 12633

Ion Ratio Lower Upper

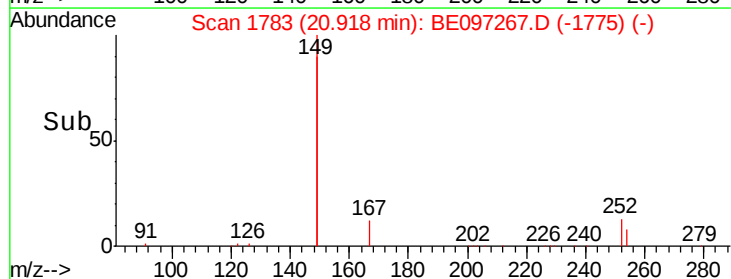
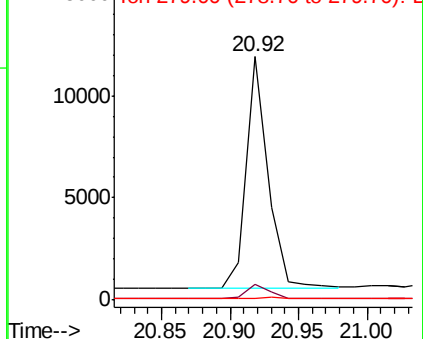
149 100

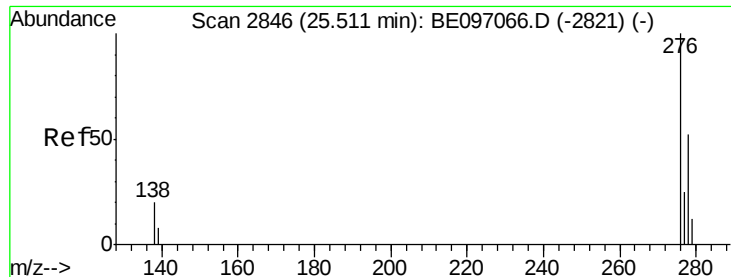
167 6.4 5.4 8.0

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: 0.468 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.02 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

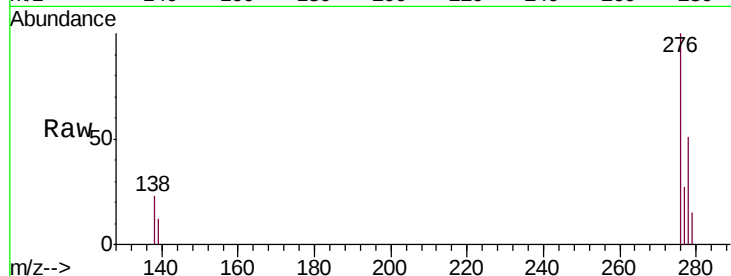
Tgt Ion:276 Resp: 8351

Ion Ratio Lower Upper

276 100

138 21.3 22.5 33.7#

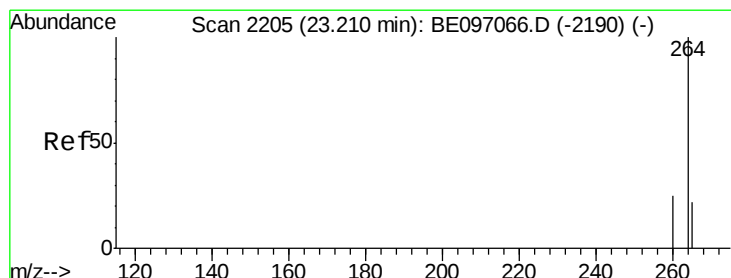
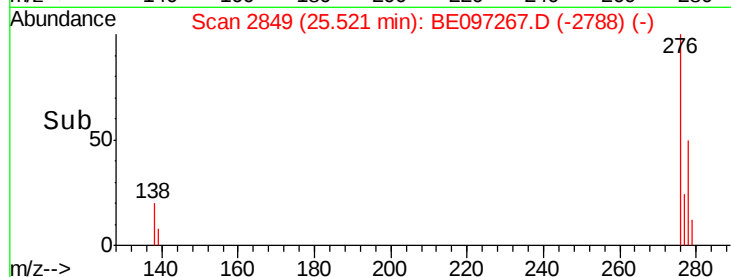
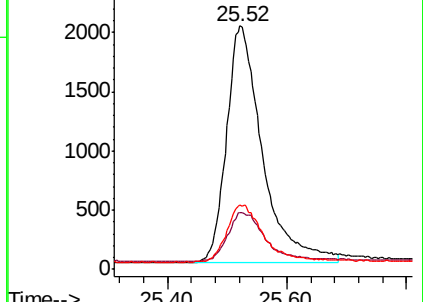
277 24.9 19.9 29.9



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: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

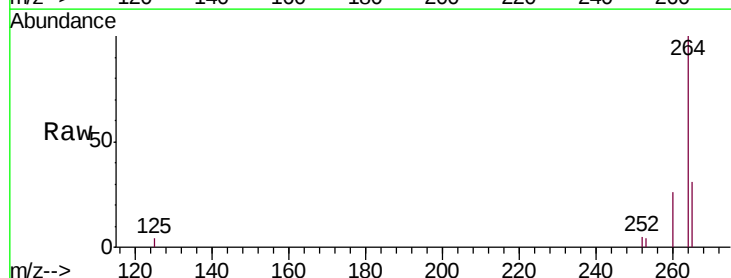
Tgt Ion:264 Resp: 7478

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

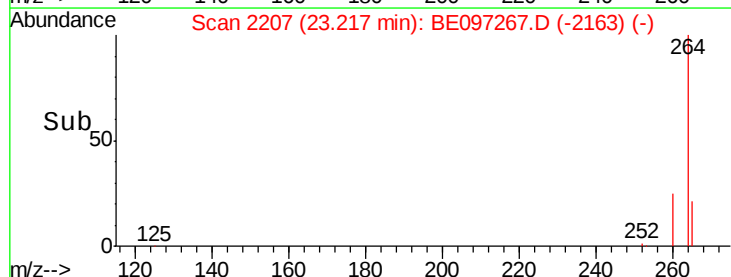
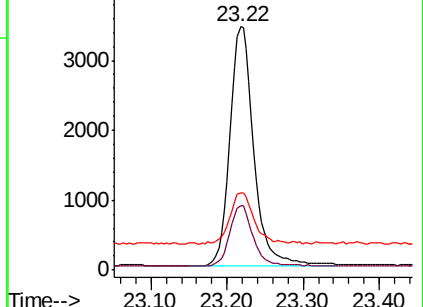
265 31.5 22.8 34.2

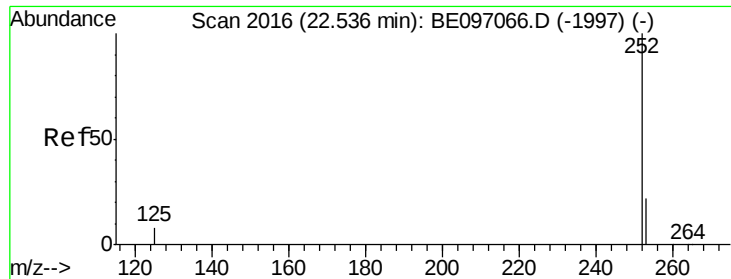


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.355 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

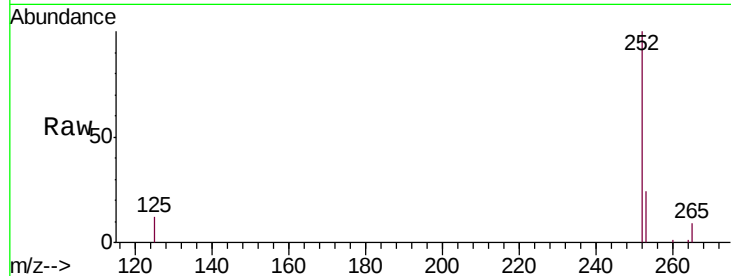
Tgt Ion:252 Resp: 6736

Ion Ratio Lower Upper

252 100

253 24.2 20.0 30.0

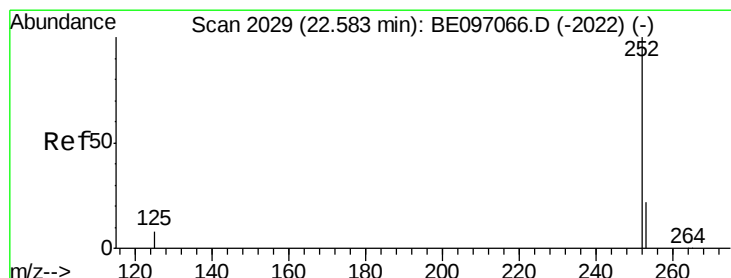
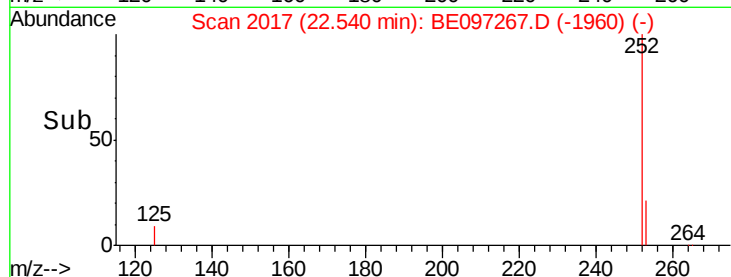
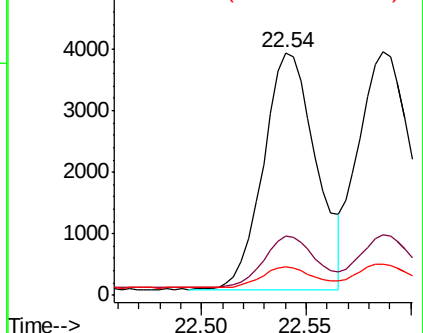
125 12.0 16.0 24.0#



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: 0.325 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

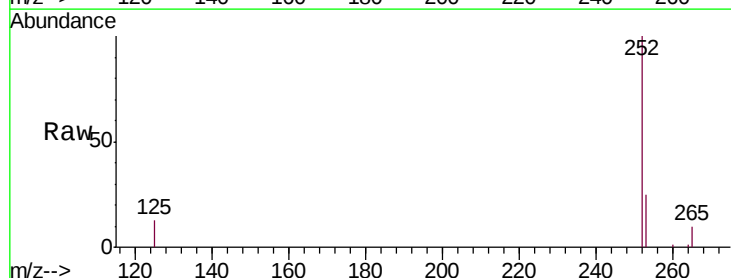
Tgt Ion:252 Resp: 7209

Ion Ratio Lower Upper

252 100

253 24.6 16.0 24.0#

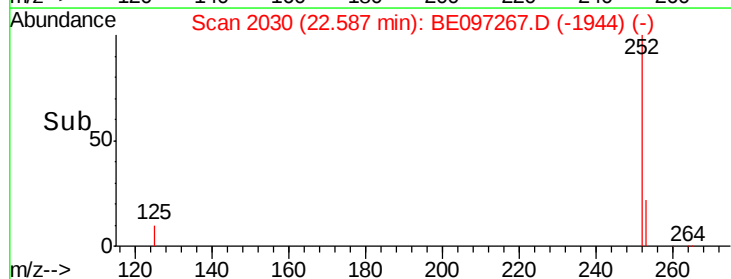
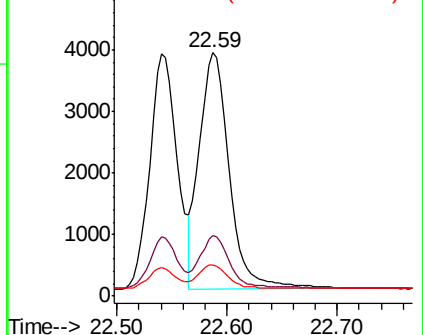
125 13.0 8.0 12.0#

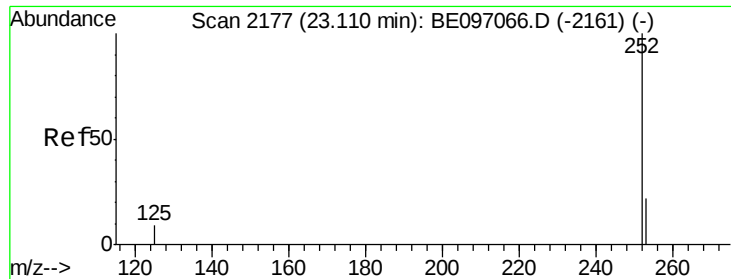


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

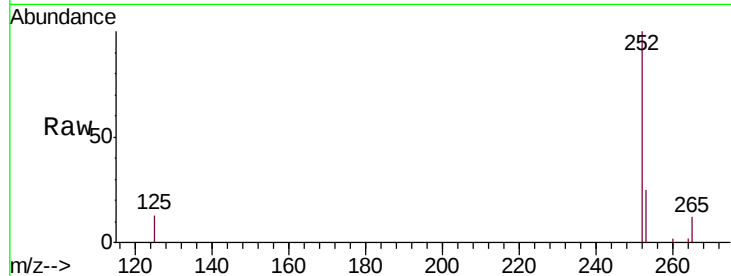
Tgt Ion:252 Resp: 6780

Ion Ratio Lower Upper

252 100

253 24.9 16.0 24.0#

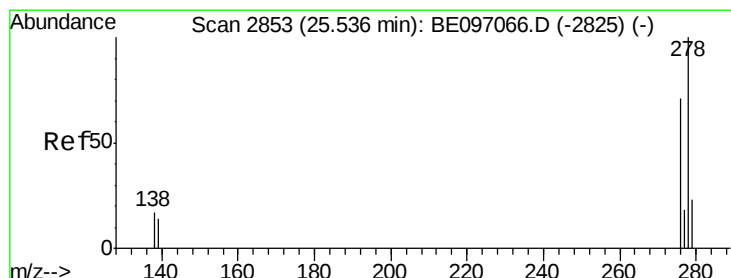
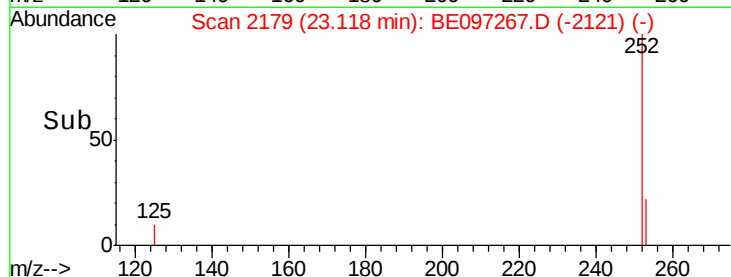
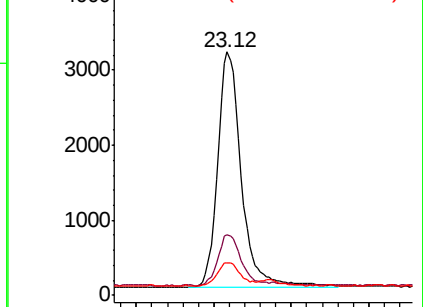
125 13.2 12.0 18.0



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: 0.392 ng

RT: 25.55 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

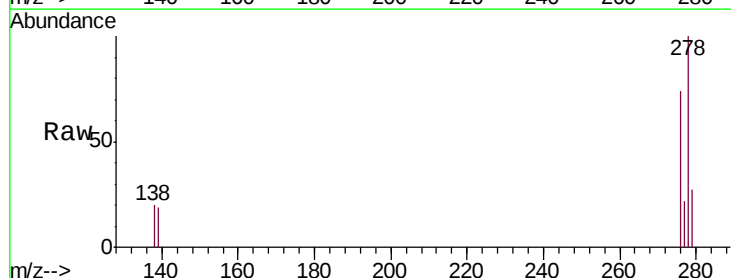
Tgt Ion:278 Resp: 6993

Ion Ratio Lower Upper

278 100

139 19.1 16.0 24.0

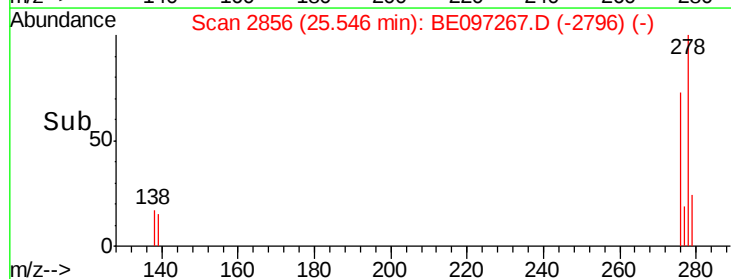
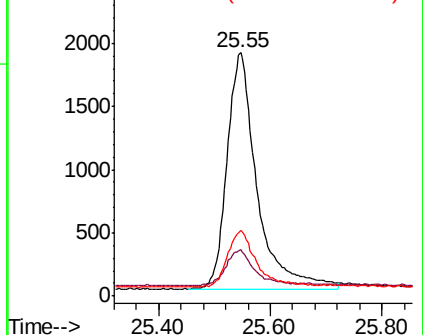
279 27.0 20.0 30.0

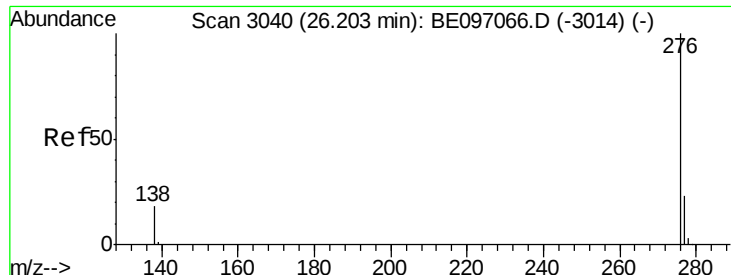


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.367 ng

RT: 26.22 min Scan# 3044

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB111898BS

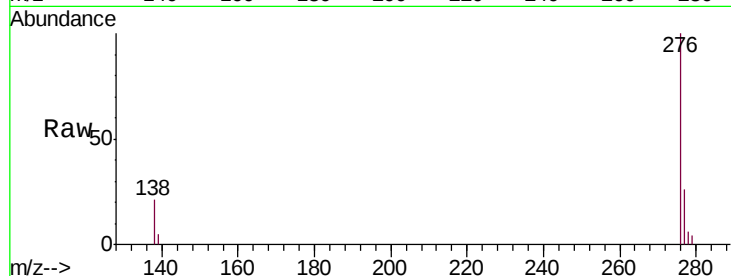
Tgt Ion: 276 Resp: 6931

Ion Ratio Lower Upper

276 100

277 26.0 16.0 24.0#

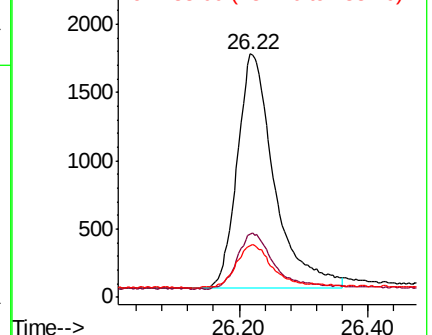
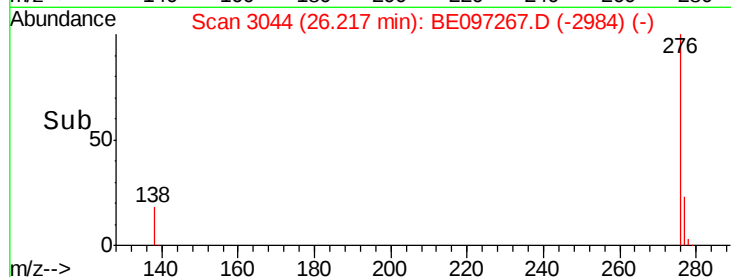
138 21.4 20.0 30.0



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



Data File : BE097267.D
Acq On : 10 Aug 2018 18:13
Operator : SJ/JU
Sample : PB111898BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB111898BS

Quant Time: Aug 10 23:07:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 10:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1153	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	4900	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2274	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	6026	0.40	ng	0.00
27) Chrysene-d12	20.98	240	7391	0.40	ng	0.00
34) Perylene-d12	23.22	264	7478	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	1096	0.34	ng	0.01
5) Phenol-d6	6.61	99	1414	0.30	ng	0.01
8) Nitrobenzene-d5	8.52	82	1560	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2772	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	178	0.24	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	3180	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	23117	0.38	ng	0.00
29) Terphenyl-d14	19.43	244	3916	0.28	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	593	0.324	ng	# 65
3) n-Nitrosodimethylamine	3.38	42	634	0.309	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	1236	0.285	ng	94
9) Naphthalene	10.19	128	15008	0.341	ng	99
10) Hexachlorobutadiene	10.48	225	655	0.332	ng	96
12) 2-Methylnaphthalene	11.80	142	2309	0.306	ng	98
16) Acenaphthylene	13.73	152	3450	0.338	ng	99
17) Acenaphthene	14.08	154	1973	0.333	ng	# 93
18) Fluorene	15.08	166	2544	0.324	ng	# 78
20) 4-Bromophenyl-phenylether	15.97	248	850	0.290	ng	# 82
21) Hexachlorobenzene	16.08	284	969	0.308	ng	# 83
22) Pentachlorophenol	16.44	266	443	0.569	ng	# 78
23) Phenanthrene	16.81	178	4766	0.332	ng	98
24) Anthracene	16.91	178	4428	0.345	ng	96
26) Fluoranthene	18.84	202	6228	0.386	ng	98
28) Pyrene	19.21	202	6254	0.308	ng	99
30) Benzo(a)anthracene	20.97	228	6730	0.366	ng	96
31) Chrysene	21.02	228	6726	0.341	ng	100
32) Bis(2-ethylhexyl)phthalate	20.92	149	12633	0.632	ng	99
33) Indeno(1,2,3-cd)pyrene	25.52	276	8351	0.468	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	6736	0.355	ng	# 91
36) Benzo(k)fluoranthene	22.59	252	7209	0.325	ng	# 91
37) Benzo(a)pyrene	23.12	252	6780	0.380	ng	# 92
38) Dibenzo(a,h)anthracene	25.55	278	6993	0.392	ng	97
39) Benzo(g,h,i)perylene	26.22	276	6931	0.367	ng	# 90

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