

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101018\
 Data File : BE097846.D
 Acq On : 11 Oct 2018 3:39
 Operator : SJ/JU
 Sample : J5184-05DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BFB

Quant Time: Oct 11 07:54:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE101018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 01:20:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	2676	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12882	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	9432	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	28066	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	43045	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	36761	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1309	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	5813	0.06	ng/ul	0.00

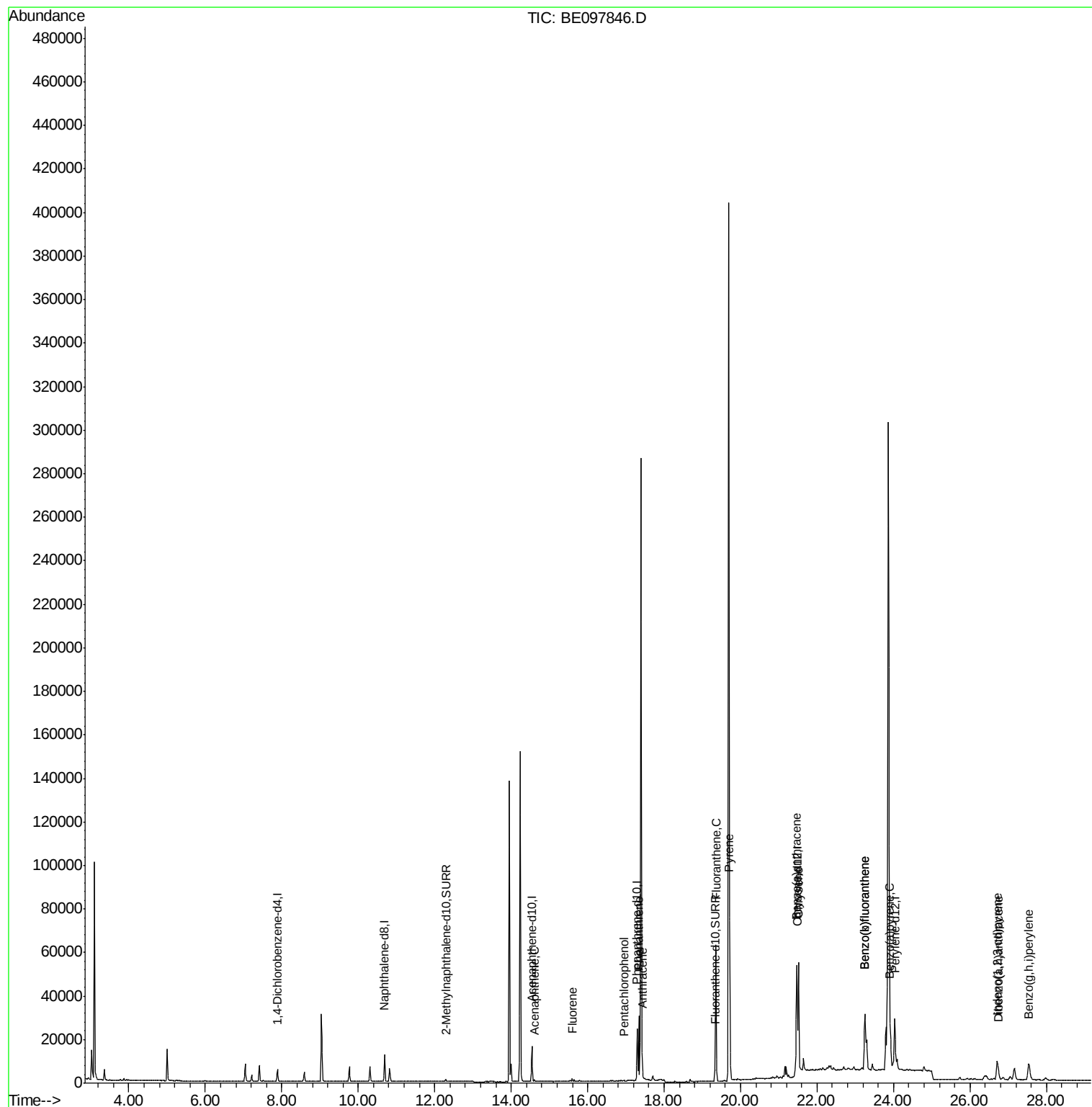
Target Compounds				Qvalue		
8) Acenaphthene	14.61	153	604	0.022	ng/ul	99
9) Fluorene	15.59	166	931	0.028	ng/ul#	92
11) Pentachlorophenol	16.95	266	54	0.021	ng/ul#	77
12) Phenanthrene	17.34	178	31009	0.462	ng/ul	99
13) Anthracene	17.43	178	8876	0.156	ng/ul	98
15) Fluoranthene	19.36	202	72230	0.817	ng/ul	97
17) Pyrene	19.72	202	76207	0.721	ng/ul	97
18) Benzo(a)anthracene	21.46	228	48935	0.410	ng/ul	98
19) Chrysene	21.52	228	49841	0.432	ng/ul	95
21) Benzo(b)fluoranthene	23.25	252	65082	0.685	ng/ul	92
22) Benzo(k)fluoranthene	23.25	252	65082	0.604	ng/ul#	91
23) Benzo(a)pyrene	23.91	252	24962	0.287	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.71	276	17507	0.177	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.74	278	4612	0.056	ng/ul#	55
26) Benzo(g,h,i)perylene	27.54	276	19590	0.210	ng/ul#	91

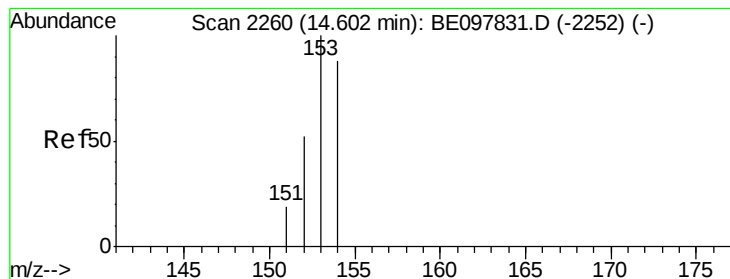
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthene

Concen: 0.022 ng/ul

RT: 14.61 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

Instrument :

BNA_E

ClientSampleId :

BFB

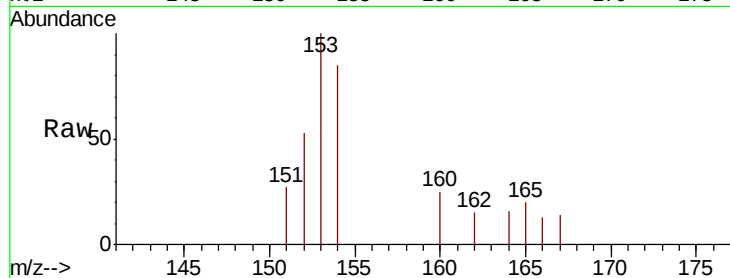
Tgt Ion:153 Resp: 604

Ion Ratio Lower Upper

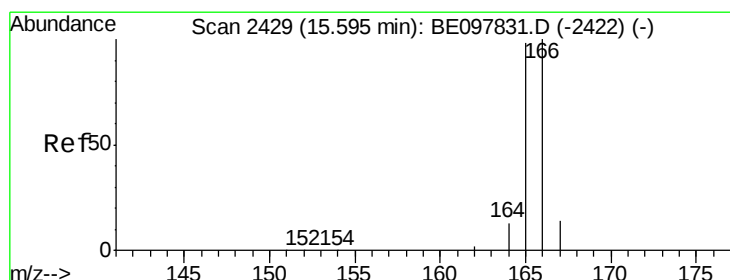
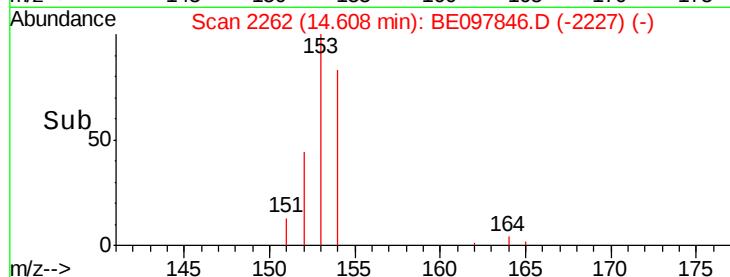
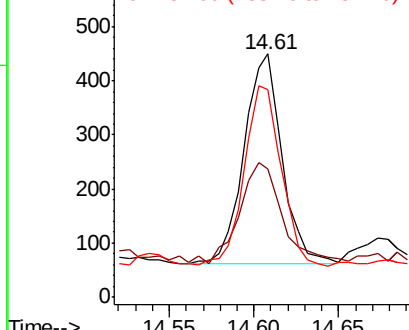
153 100

152 52.9 41.2 61.8

154 85.3 68.6 103.0



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#9

Fluorene

Concen: 0.028 ng/ul

RT: 15.59 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

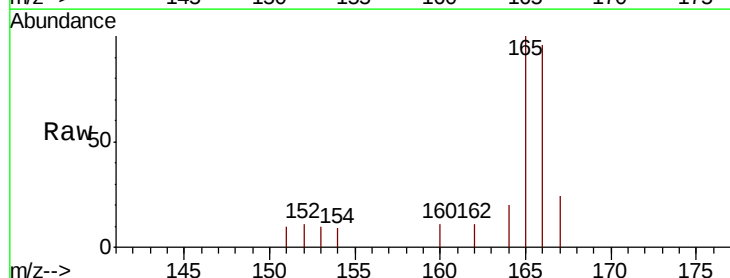
Tgt Ion:166 Resp: 931

Ion Ratio Lower Upper

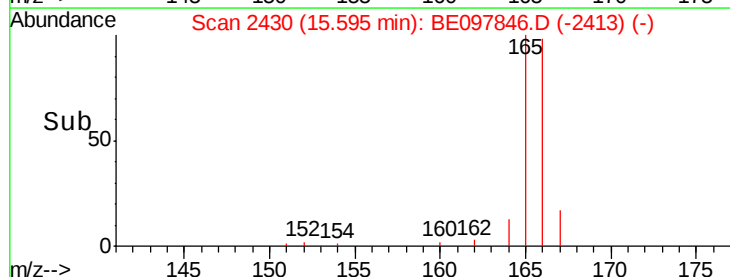
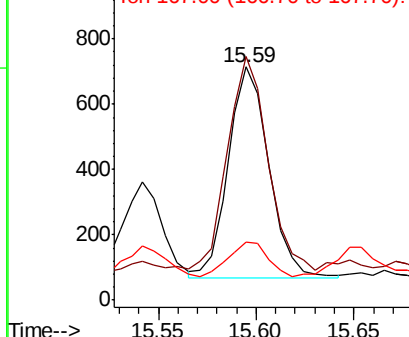
166 100

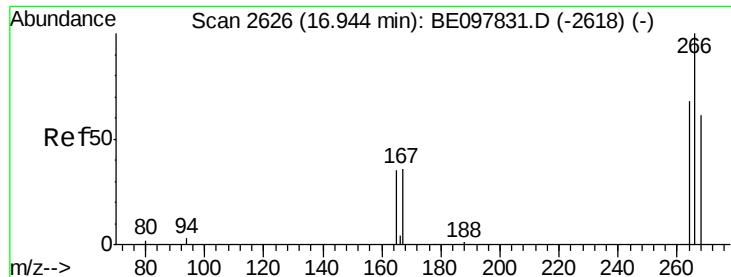
165 104.5 79.2 118.8

167 25.1 11.3 16.9#



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

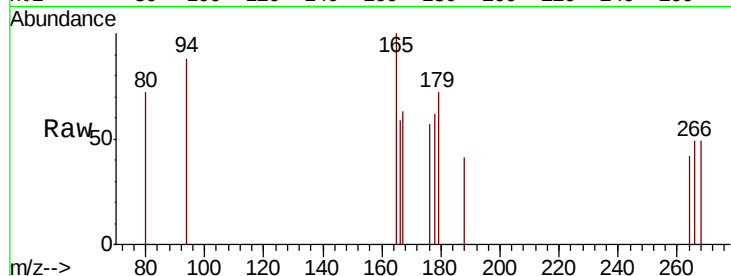




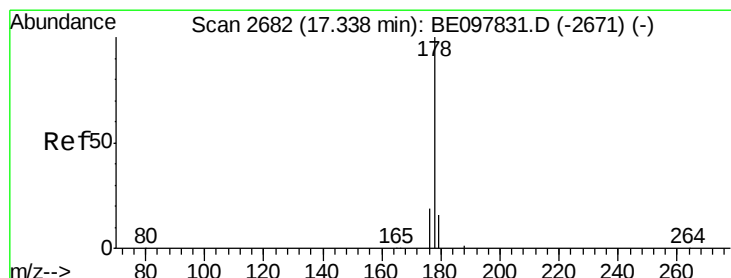
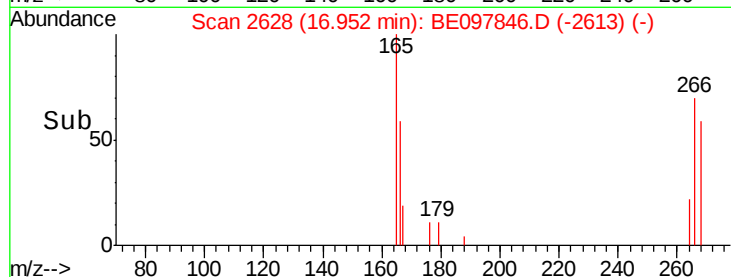
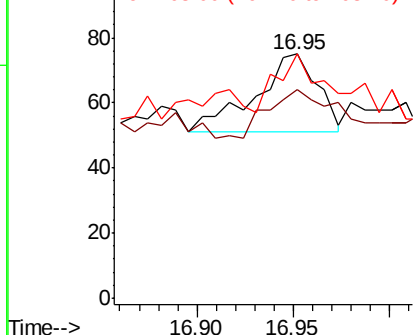
#11
 Pentachlorophenol
 Concen: 0.021 ng/ul
 RT: 16.95 min Scan# 2628
 Delta R.T. 0.01 min
 Lab File: BE097846.D
 Acq: 11 Oct 2018 3:39

Instrument :
 BNA_E
 ClientSampleId :
 BFB

Tgt Ion: 266 Resp: 54
 Ion Ratio Lower Upper
 266 100
 264 74.1 49.8 74.8
 268 83.3 48.4 72.6#

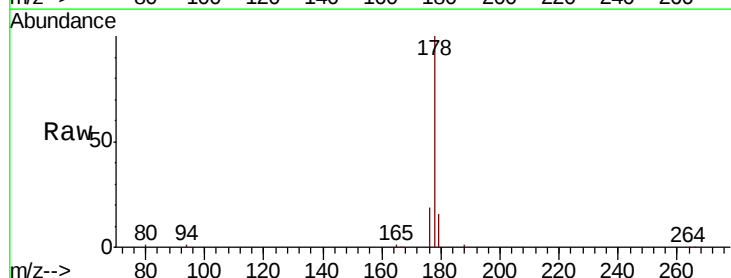


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

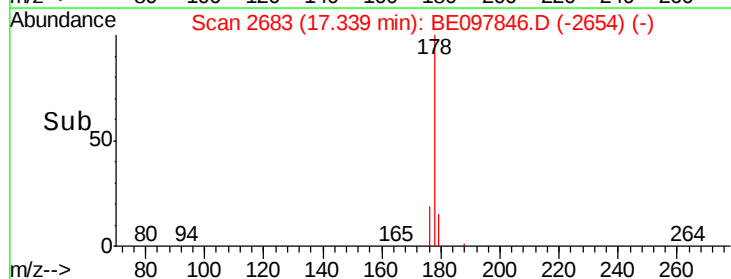
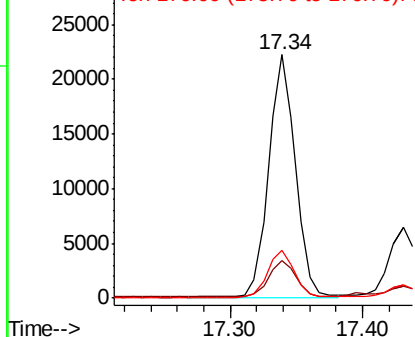


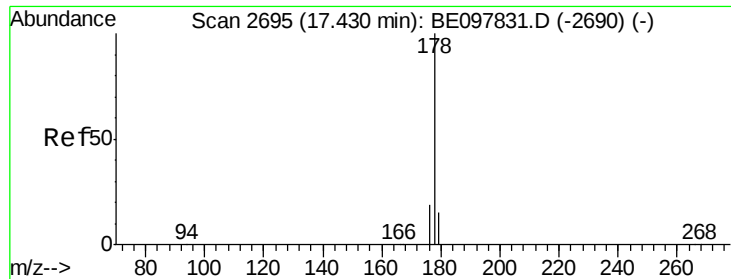
#12
 Phenanthrene
 Concen: 0.462 ng/ul
 RT: 17.34 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: BE097846.D
 Acq: 11 Oct 2018 3:39

Tgt Ion: 178 Resp: 31009
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.8 19.2
 176 19.4 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.156 ng/ul

RT: 17.43 min Scan# 2696

Delta R.T. 0.00 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

Instrument :

BNA_E

ClientSampleId :

BFB

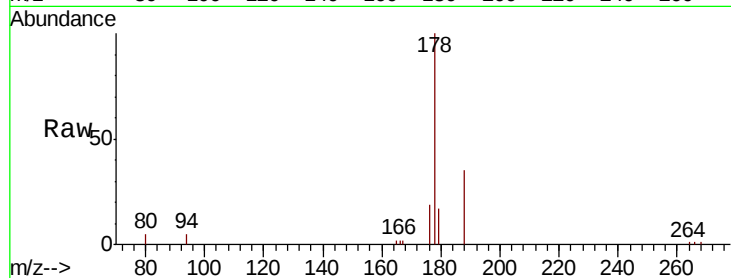
Tgt Ion:178 Resp: 8876

Ion Ratio Lower Upper

178 100

179 17.4 12.9 19.3

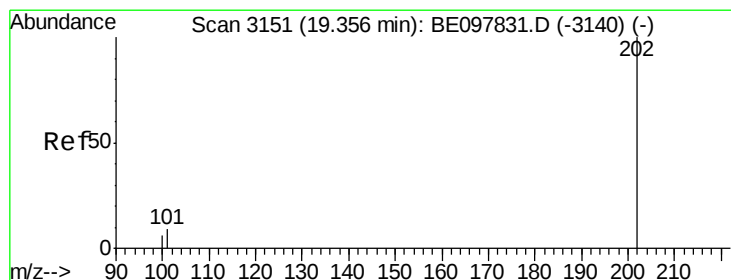
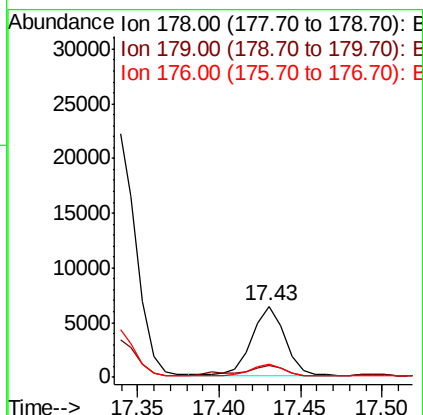
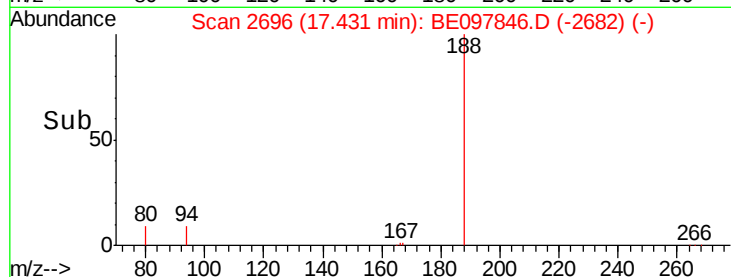
176 19.0 15.5 23.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 0.817 ng/ul

RT: 19.36 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

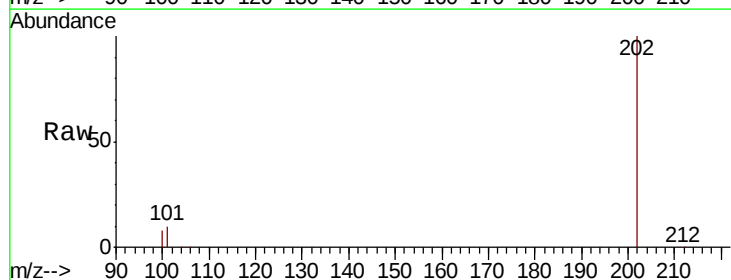
Tgt Ion:202 Resp: 72230

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.3

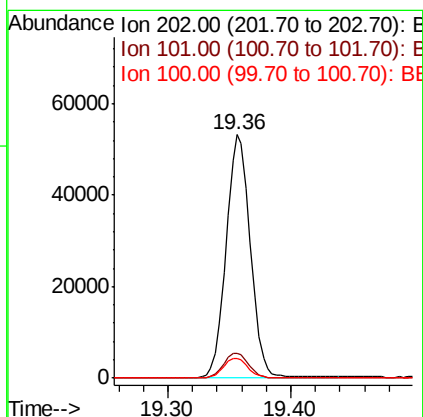
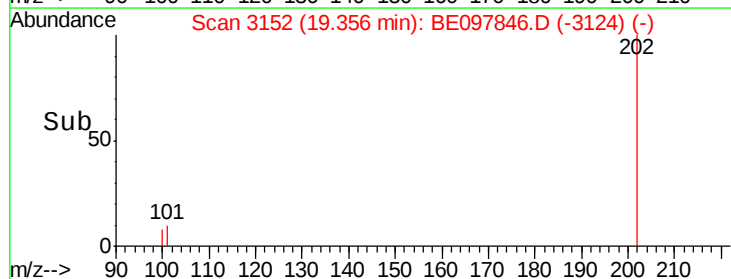
100 8.3 0.0 27.5

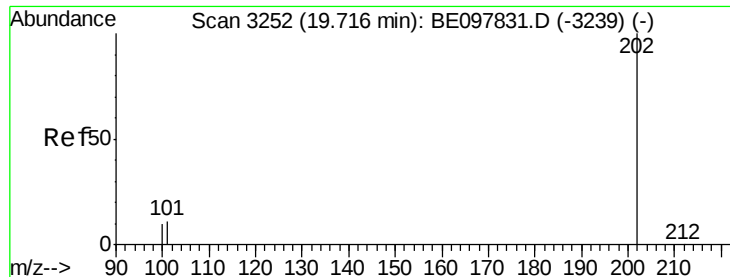


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

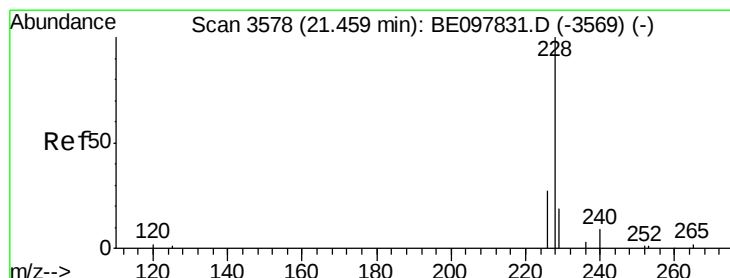
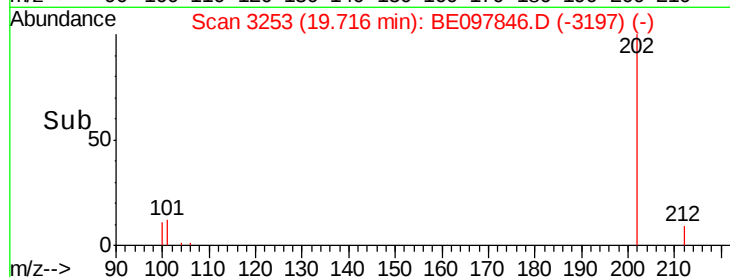
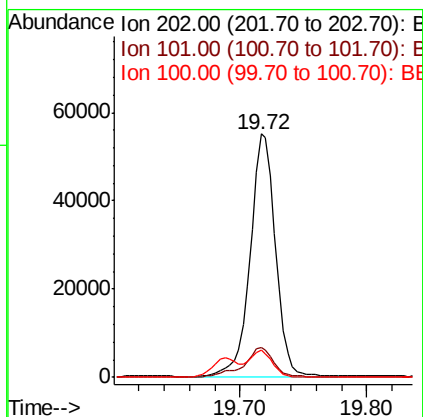
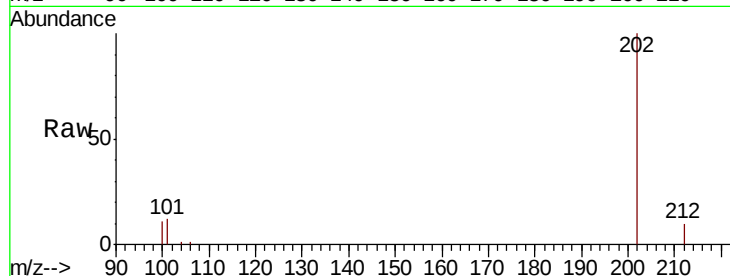




#17
 Pyrene
 Concen: 0.721 ng/ul
 RT: 19.72 min Scan# 3253
 Delta R.T. 0.00 min
 Lab File: BE097846.D
 Acq: 11 Oct 2018 3:39

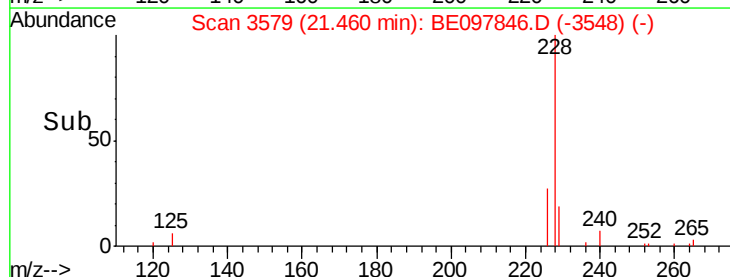
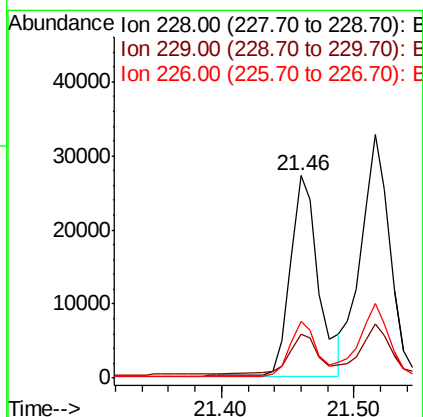
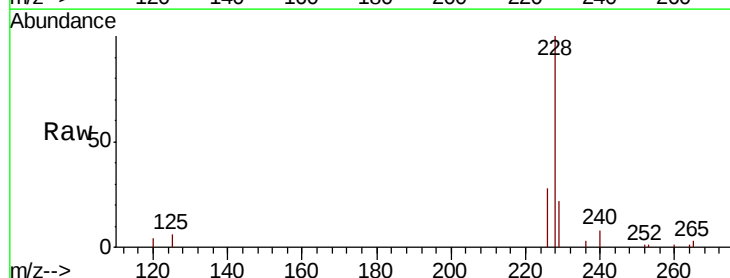
Instrument :
 BNA_E
 ClientSampleId :
 BFB

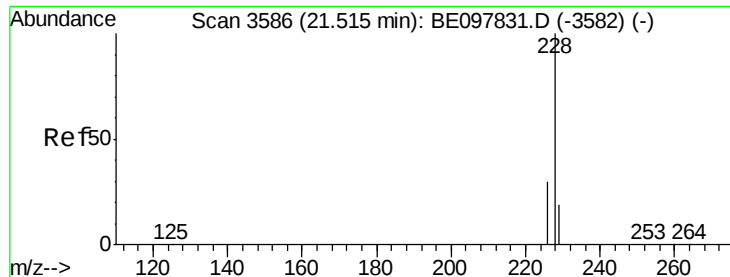
Tgt Ion:202 Resp: 76207
 Ion Ratio Lower Upper
 202 100
 101 12.3 8.8 13.2
 100 11.0 7.9 11.9



#18
 Benzo(a)anthracene
 Concen: 0.410 ng/ul
 RT: 21.46 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: BE097846.D
 Acq: 11 Oct 2018 3:39

Tgt Ion:228 Resp: 48935
 Ion Ratio Lower Upper
 228 100
 229 21.6 16.4 24.6
 226 27.9 21.5 32.3





#19

Chrysene

Concen: 0.432 ng/ul

RT: 21.52 min Scan# 3587

Delta R.T. 0.00 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

Instrument :

BNA_E

ClientSampleId :

BFB

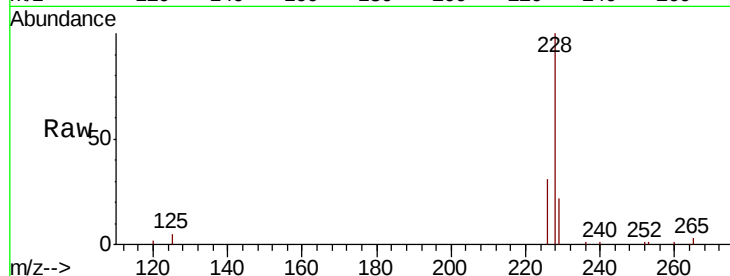
Tgt Ion:228 Resp: 49841

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.4

229 22.4 15.5 23.3

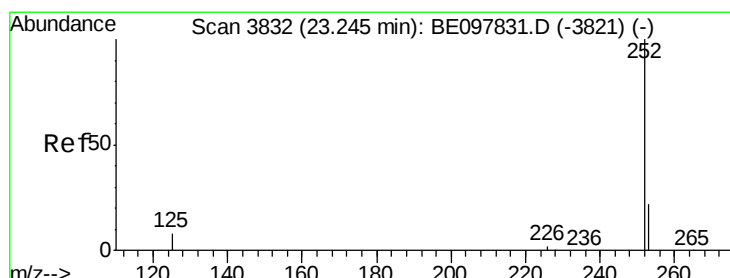
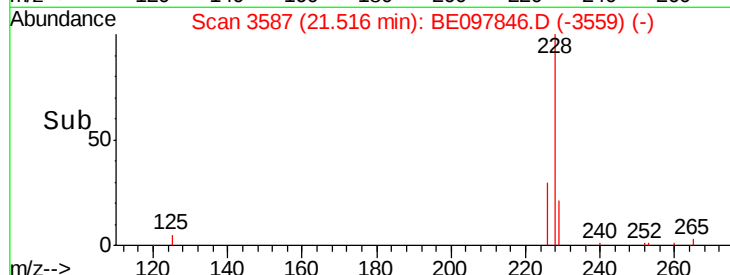
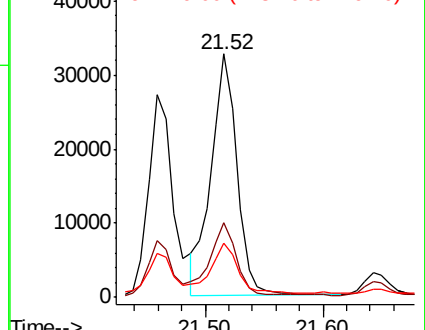


Abundance

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



#21

Benzo(b)fluoranthene

Concen: 0.685 ng/ul

RT: 23.25 min Scan# 3834

Delta R.T. 0.01 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

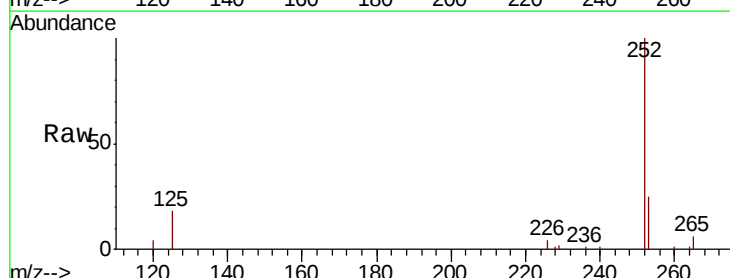
Tgt Ion:252 Resp: 65082

Ion Ratio Lower Upper

252 100

253 24.7 0.0 47.0

125 17.7 0.0 18.2

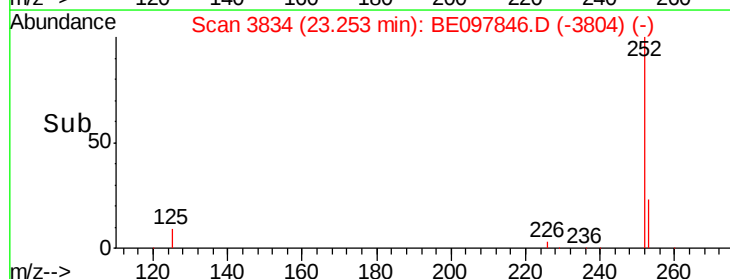
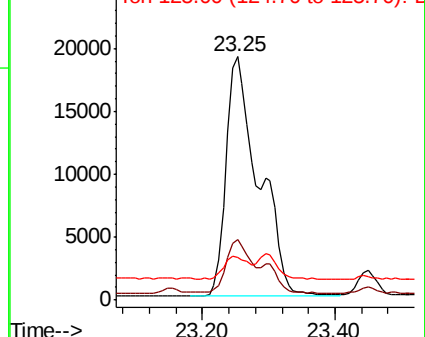


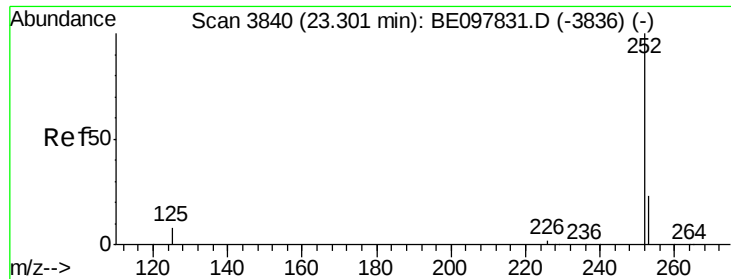
Abundance

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

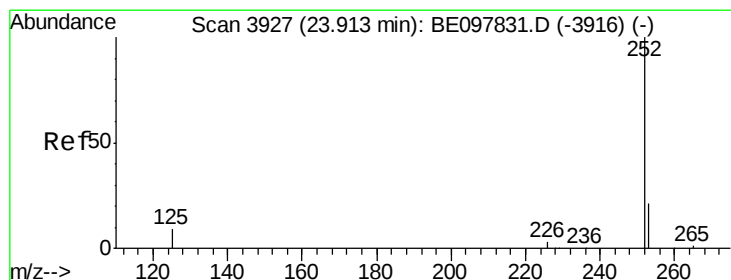
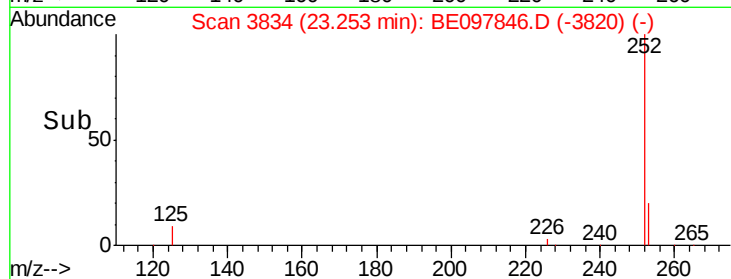
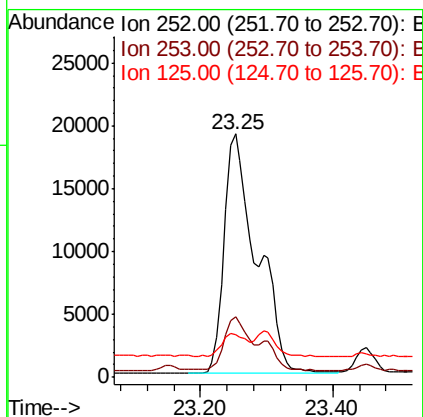
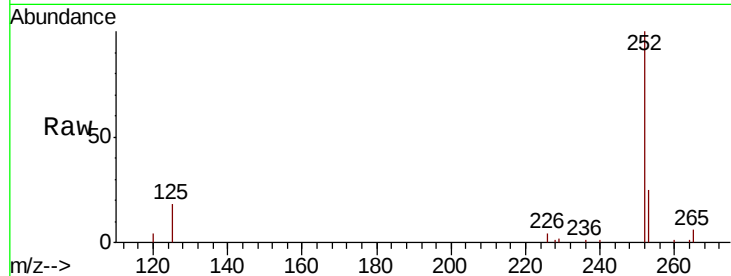




#22
Benzo(k)fluoranthene
Concen: 0.604 ng/u1
RT: 23.25 min Scan# 3834
Delta R.T. -0.05 min
Lab File: BE097846.D
Acq: 11 Oct 2018 3:39

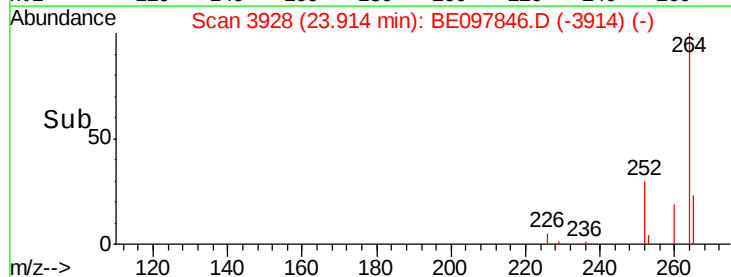
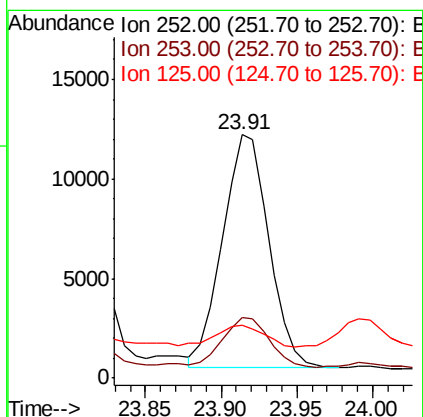
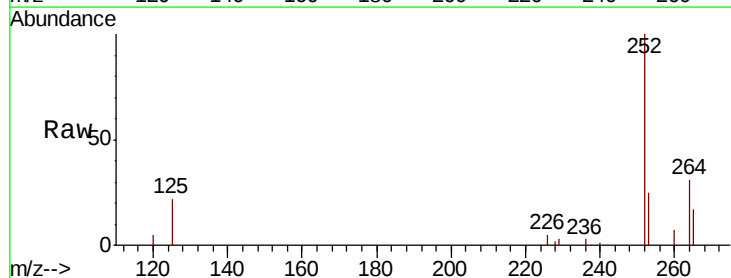
Instrument :
BNA_E
ClientSampleId :
BFB

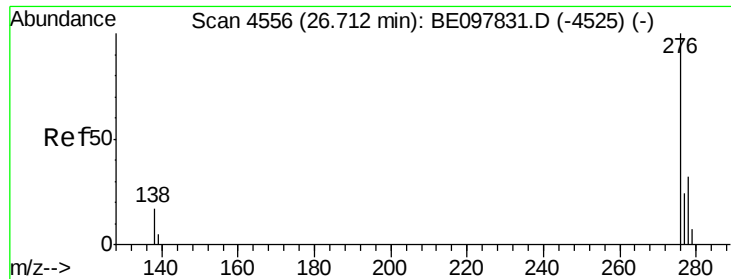
Tgt Ion:252 Resp: 65082
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 17.7 9.4 14.0#



#23
Benzo(a)pyrene
Concen: 0.287 ng/u1
RT: 23.91 min Scan# 3928
Delta R.T. 0.00 min
Lab File: BE097846.D
Acq: 11 Oct 2018 3:39

Tgt Ion:252 Resp: 24962
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.4
125 21.8 8.3 12.5#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.177 ng/ul

RT: 26.71 min Scan# 4557

Delta R.T. 0.00 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

Instrument :

BNA_E

ClientSampleId :

BFB

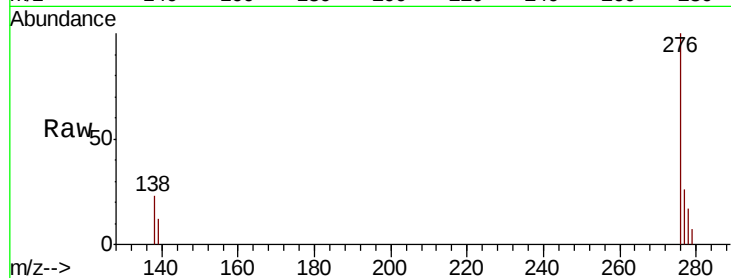
Tgt Ion: 276 Resp: 17507

Ion Ratio Lower Upper

276 100

138 18.9 0.0 0.0#

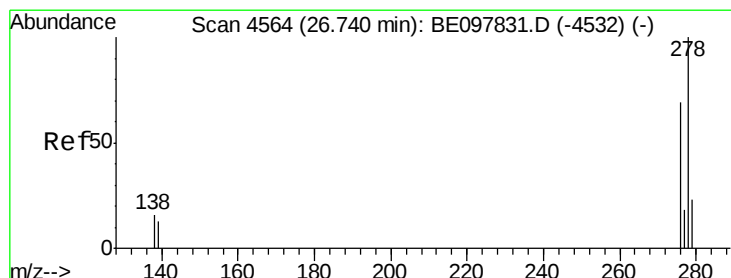
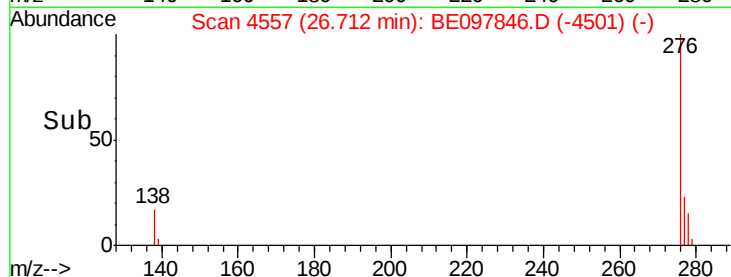
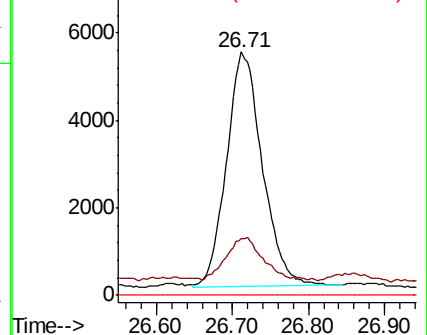
227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 0.056 ng/ul

RT: 26.74 min Scan# 4566

Delta R.T. 0.00 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

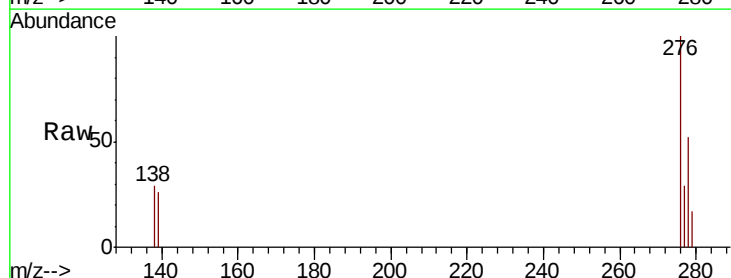
Tgt Ion: 278 Resp: 4612

Ion Ratio Lower Upper

278 100

139 50.4 10.9 16.3#

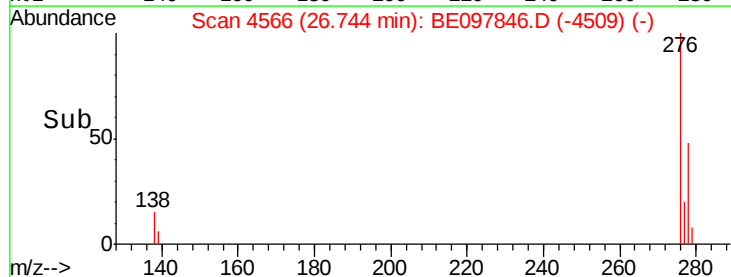
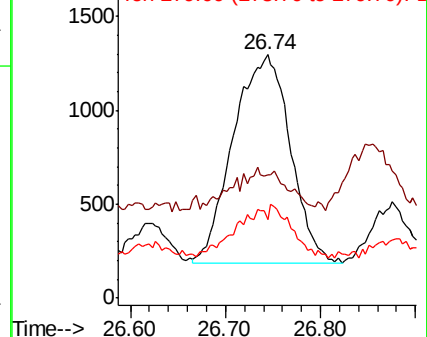
279 32.2 18.8 28.2#

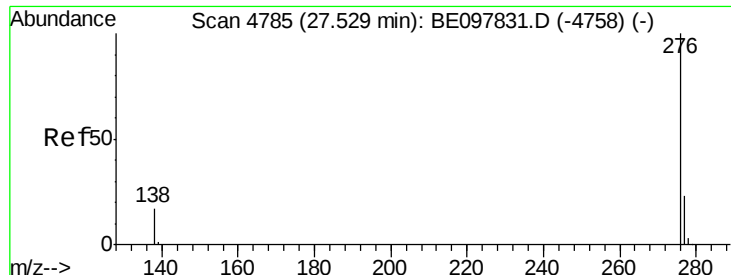


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.210 ng/ul

RT: 27.54 min Scan# 4789

Delta R.T. 0.01 min

Lab File: BE097846.D

Acq: 11 Oct 2018 3:39

Instrument :

BNA_E

ClientSampleId :

BFB

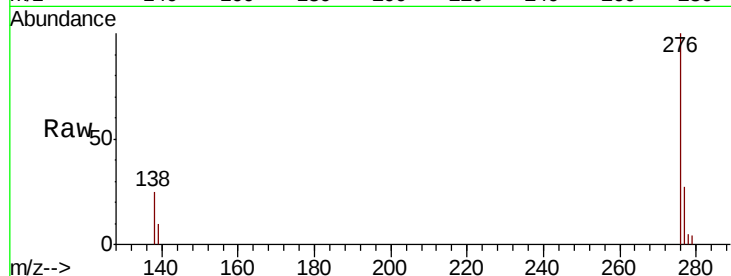
Tgt Ion: 276 Resp: 19590

Ion Ratio Lower Upper

276 100

138 24.7 14.3 21.5#

277 26.6 19.5 29.3



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

