

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080818\
 Data File : BE097236.D
 Acq On : 8 Aug 2018 15:40
 Operator : SJ/JU
 Sample : J4268-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

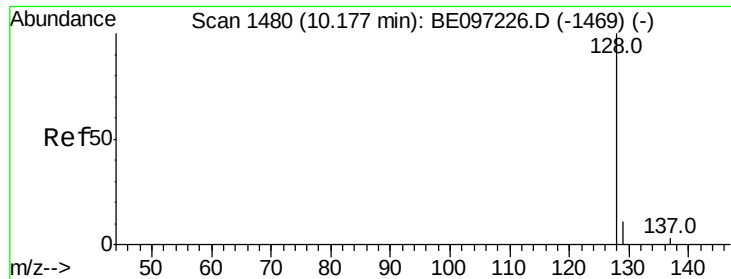
Quant Time: Aug 08 23:27:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 23:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1173	0.40	ng/ul	0.00
2) Naphthalene-d8	10.13	136	6320	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.02	164	3796	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	8845	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9306	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11190	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	1471	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	4052	0.13	ng/ul	0.00

Target Compounds			Ovalue			
3) Naphthalene	10.18	128	739	0.048	ng/ul#	86
5) 2-Methylnaphthalene	11.80	142	212	0.021	ng/ul	98
7) Acenaphthylene	13.73	152	353	0.022	ng/ul#	65
8) Acenaphthene	14.08	153	445	0.037	ng/ul#	92
9) Fluorene	15.08	166	616	0.045	ng/ul#	93
12) Phenanthrene	16.81	178	17789	0.789	ng/ul#	88
13) Anthracene	16.90	178	2340	0.111	ng/ul	93
15) Fluoranthene	18.84	202	47209	1.584	ng/ul	84
17) Pyrene	19.20	202	44540	1.786	ng/ul#	79
18) Benzo(a)anthracene	20.96	228	20127	0.757	ng/ul#	84
19) Chrysene	21.01	228	26260	0.958	ng/ul	98
21) Benzo(b)fluoranthene	22.53	252	46477	1.524	ng/ul	85
22) Benzo(k)fluoranthene	22.53	252	46477	1.413	ng/ul#	87
23) Benzo(a)pyrene	23.11	252	23882	0.783	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.50	276	17473	0.457	ng/ul#	70
25) Dibenzo(a,h)anthracene	25.52	278	3954	0.127	ng/ul	95
26) Benzo(a,h,i)perylene	26.21	276	17557	0.532	ng/ul#	93

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



#3

Naphthalene

Concen: 0.048 ng/ul

RT: 10.18 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

Instrument :

BNA_E

ClientSampleId :

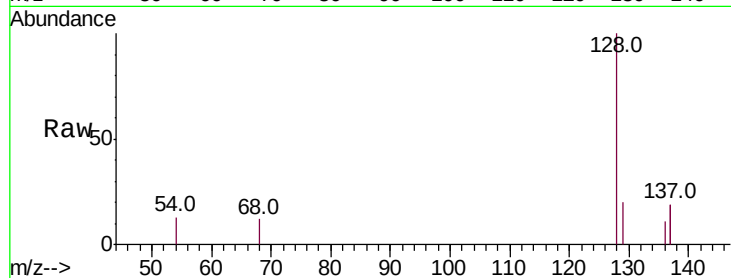
Tot Ion:128 Resp: 739

Ion Ratio Lower Upper

128 100

129 19.8 11.3 16.9#

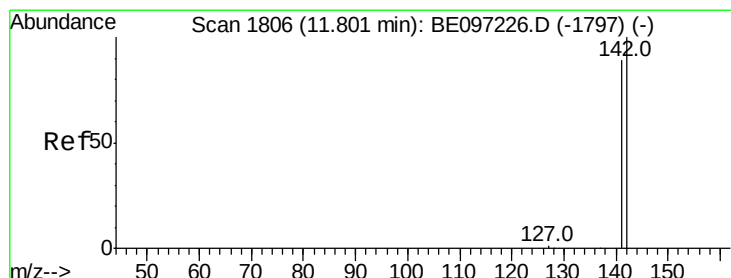
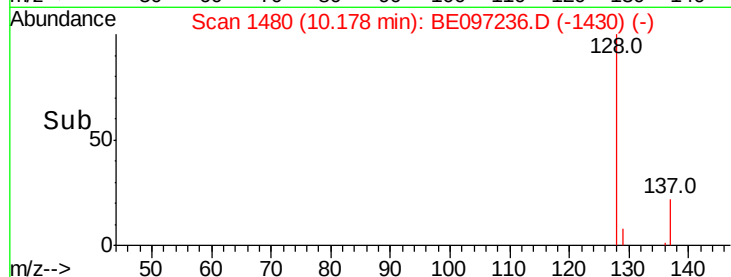
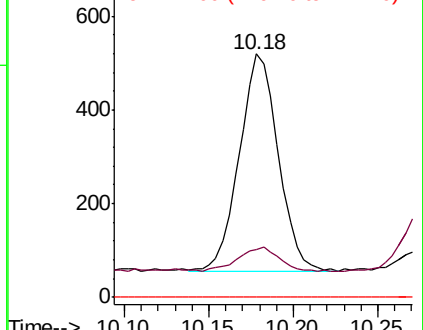
127 0.0 4.0 6.0#



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



#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 11.80 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BE097236.D

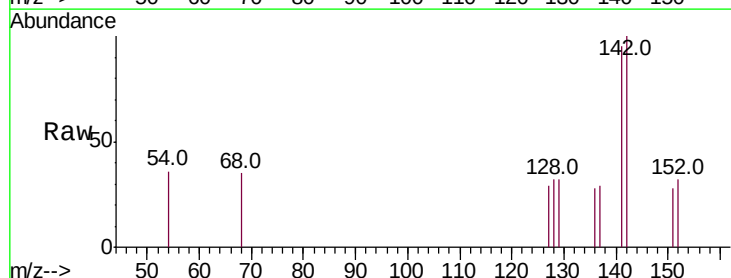
Acq: 8 Aug 2018 15:40

Tgt Ion:142 Resp: 212

Ion Ratio Lower Upper

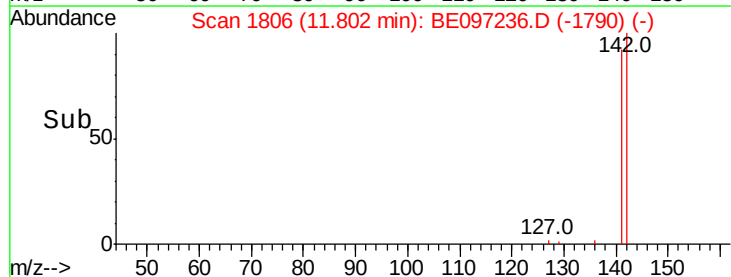
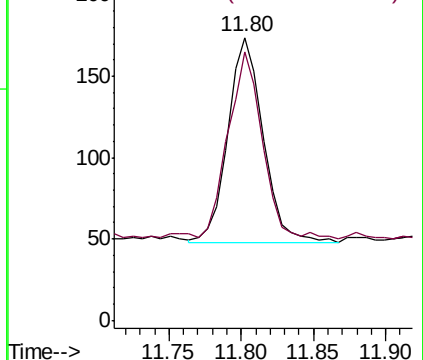
142 100

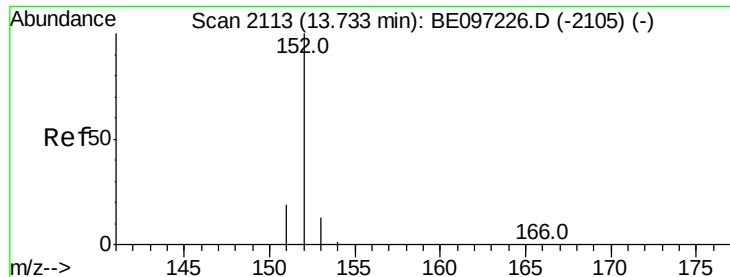
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.022 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

Instrument :

BNA_E

ClientSampleId :

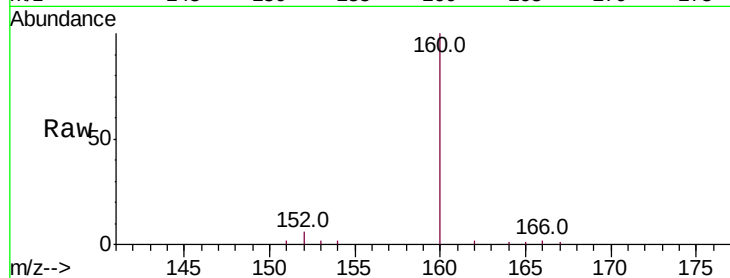
Tot Ion:152 Resp: 353

Ion Ratio Lower Upper

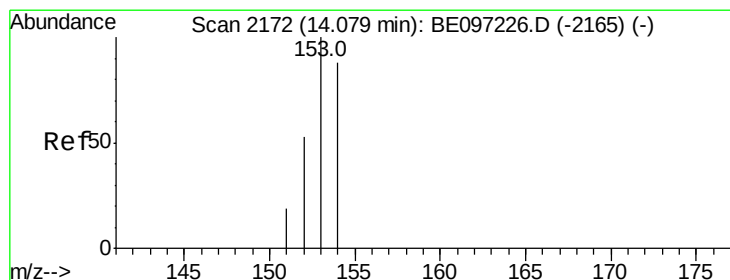
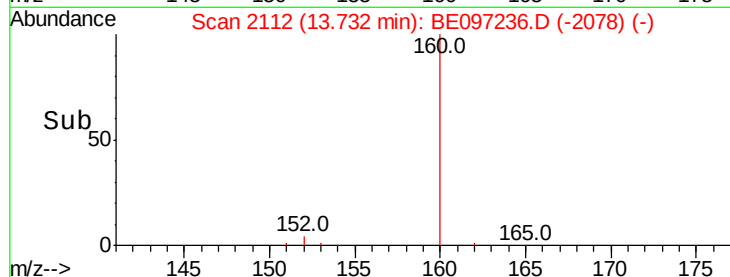
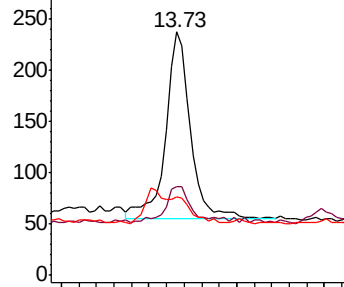
152 100

151 36.7 17.1 25.7#

153 32.5 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.037 ng/ul

RT: 14.08 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

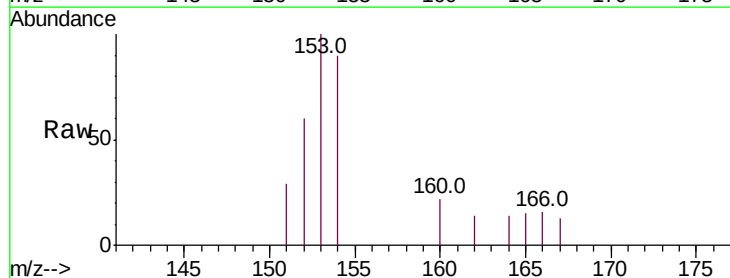
Tgt Ion:153 Resp: 445

Ion Ratio Lower Upper

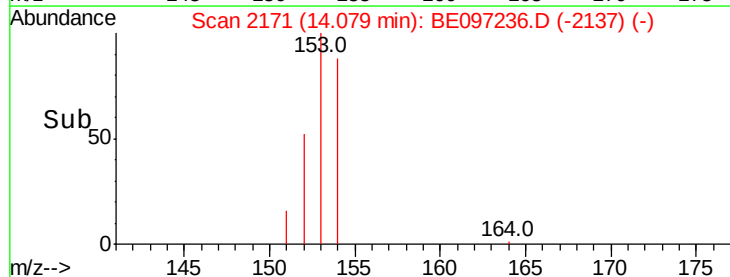
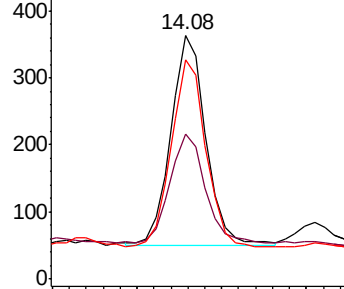
153 100

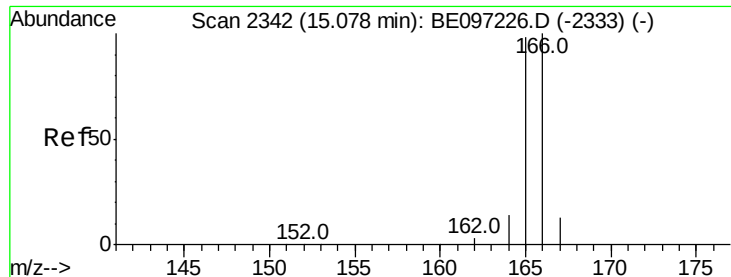
152 59.5 36.0 54.0#

154 89.8 72.0 108.0



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: 0.045 ng/ul

RT: 15.08 min Scan# 2341

Delta R.T. -0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

Instrument :

BNA_E

ClientSampleId :

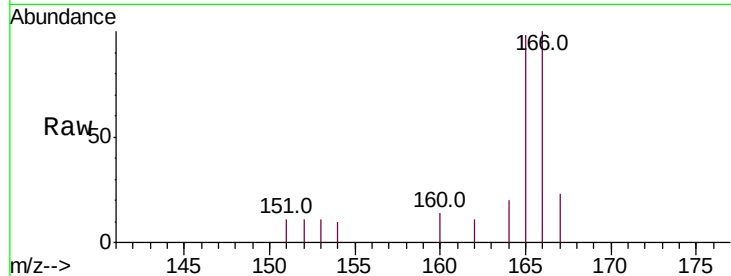
Tot Ion:166 Resp: 616

Ion Ratio Lower Upper

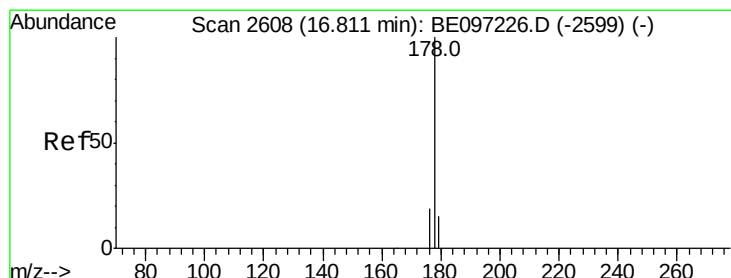
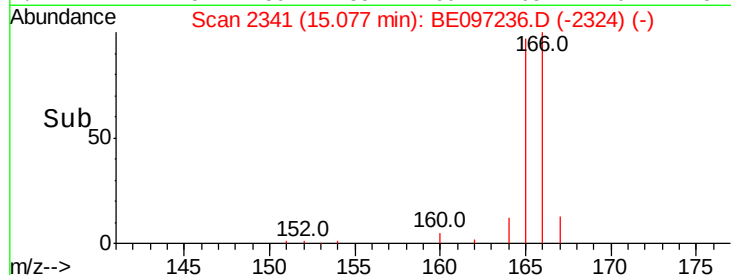
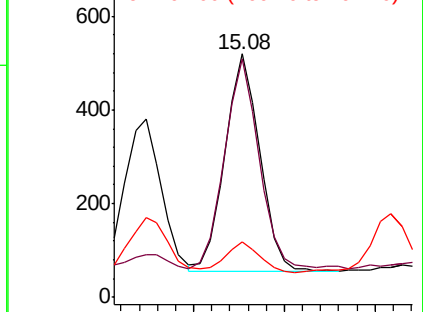
166 100

165 97.7 73.4 110.2

167 22.7 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.789 ng/ul

RT: 16.81 min Scan# 2607

Delta R.T. -0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

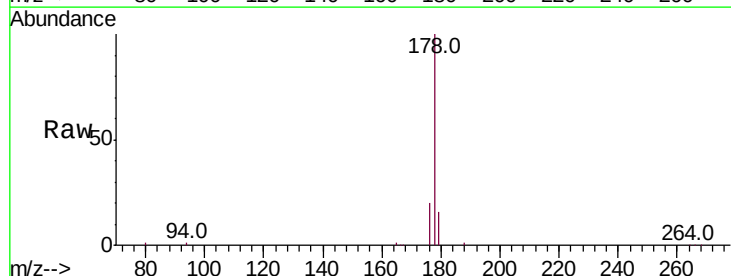
Tgt Ion:178 Resp: 17789

Ion Ratio Lower Upper

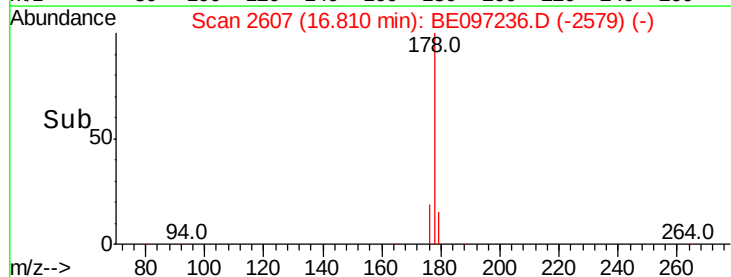
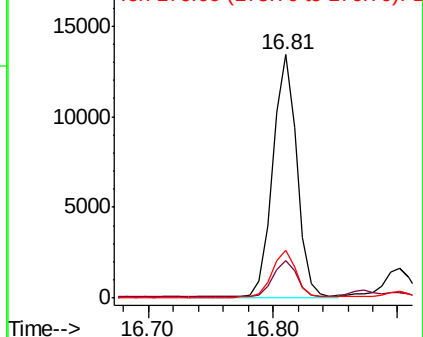
178 100

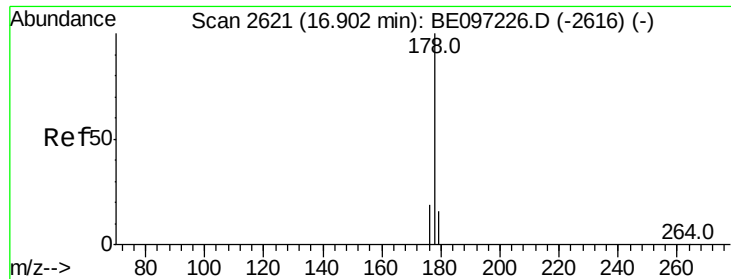
179 15.6 18.4 27.6#

176 19.8 13.6 20.4



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

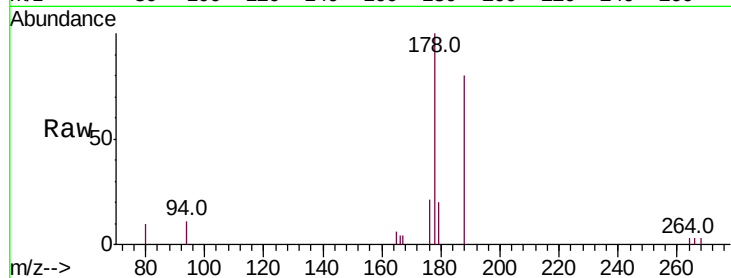




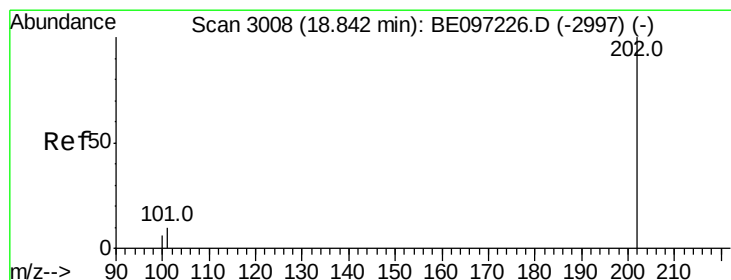
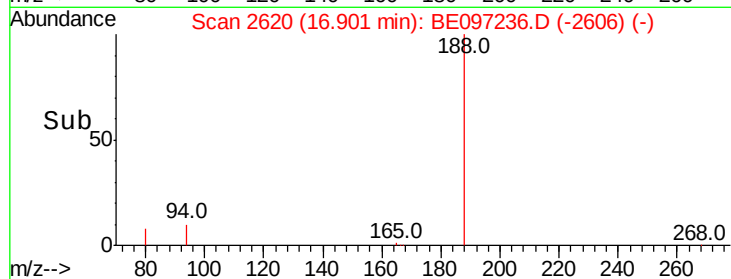
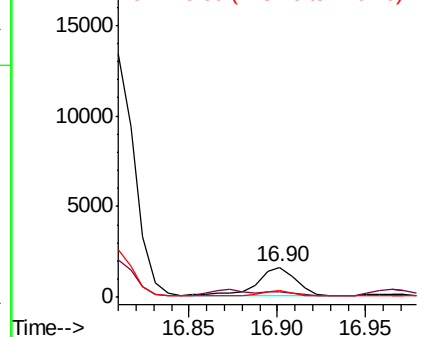
#13
 Anthracene
 Concen: 0.111 ng/ul
 RT: 16.90 min Scan# 2620
 Delta R.T. -0.00 min
 Lab File: BE097236.D
 Acq: 8 Aug 2018 15:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:178 Resp: 2340
 Ion Ratio Lower Upper
 178 100
 179 19.5 18.1 27.1
 176 21.5 14.7 22.1

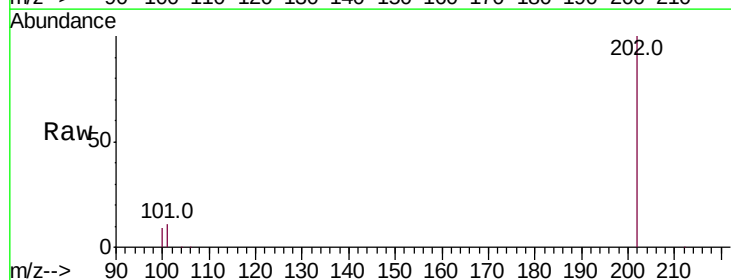


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

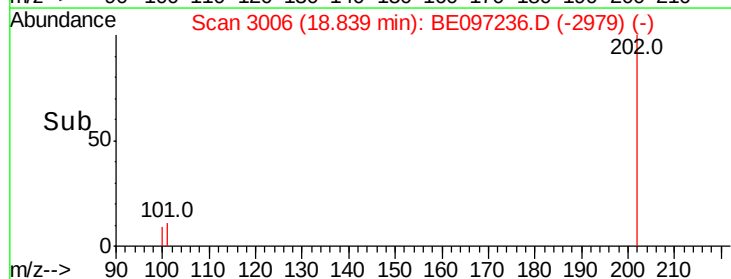
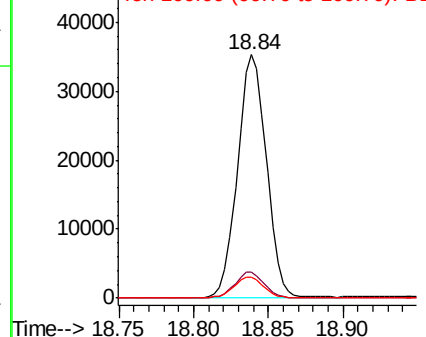


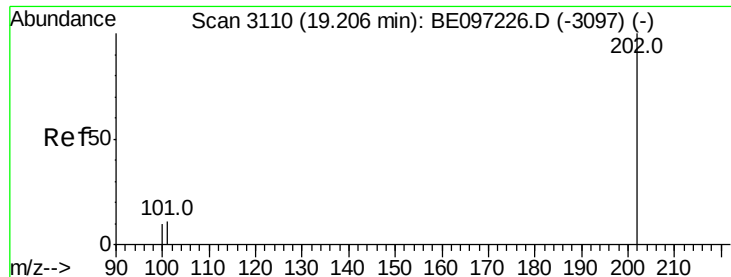
#15
 Fluoranthene
 Concen: 1.584 ng/ul
 RT: 18.84 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: BE097236.D
 Acq: 8 Aug 2018 15:40

Tgt Ion:202 Resp: 47209
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.3
 100 8.7 0.0 39.5



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

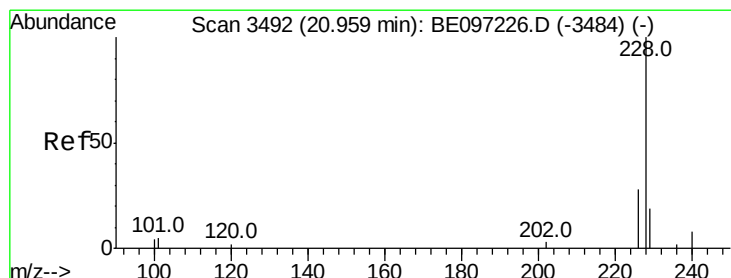
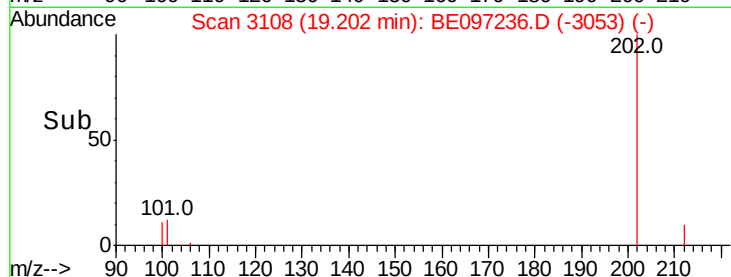
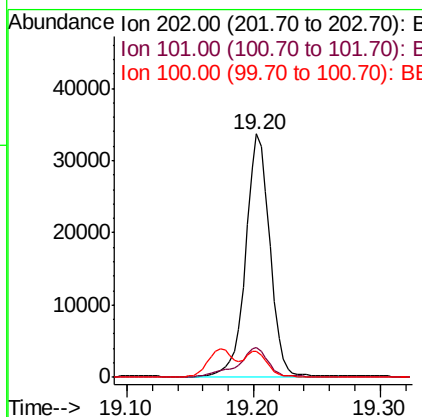
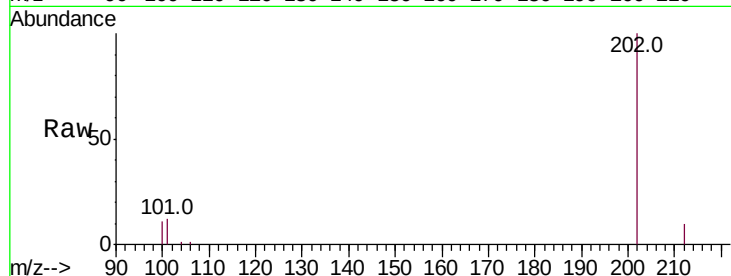




#17
Pvrene
Concen: 1.786 ng/ul
RT: 19.20 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BE097236.D
Acq: 8 Aug 2018 15:40

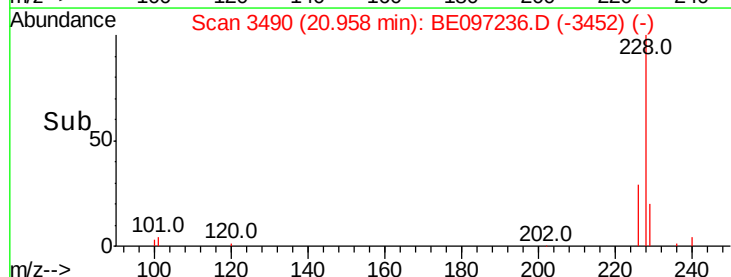
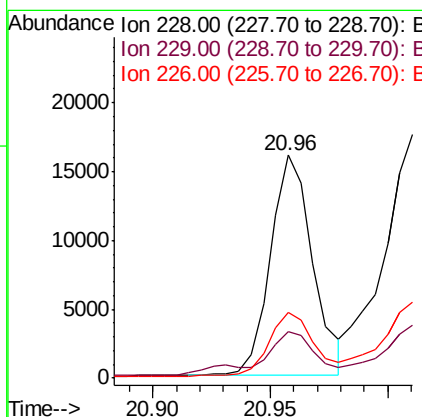
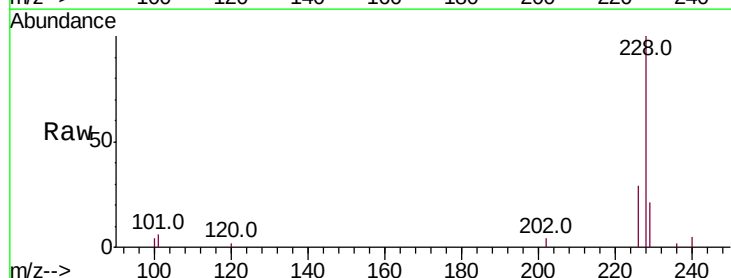
Instrument :
BNA_E
ClientSampleId :

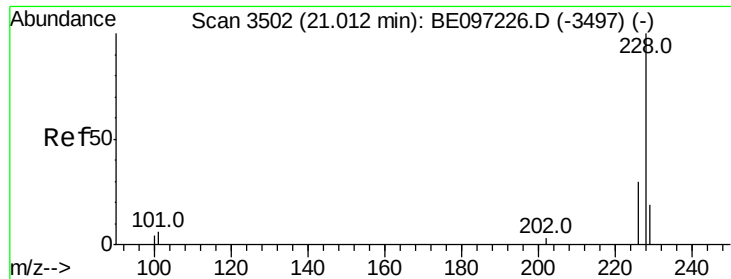
Tot Ion:202 Resp: 44540
Ion Ratio Lower Upper
202 100
101 12.3 18.2 27.4#
100 10.7 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 0.757 ng/ul
RT: 20.96 min Scan# 3490
Delta R.T. -0.00 min
Lab File: BE097236.D
Acq: 8 Aug 2018 15:40

Tgt Ion:228 Resp: 20127
Ion Ratio Lower Upper
228 100
229 20.9 22.8 34.2#
226 29.5 17.0 25.6#





#19

Chrysene

Concen: 0.958 ng/ul

RT: 21.01 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

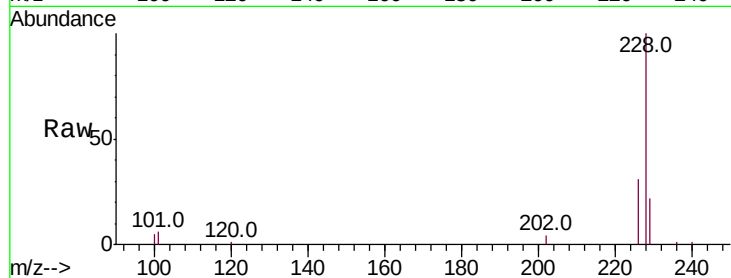
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 26260

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.0
229	21.9	17.7	26.5

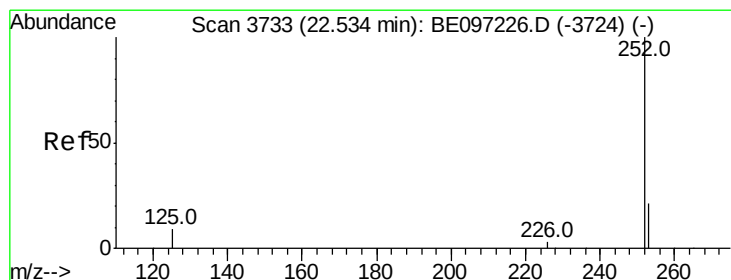
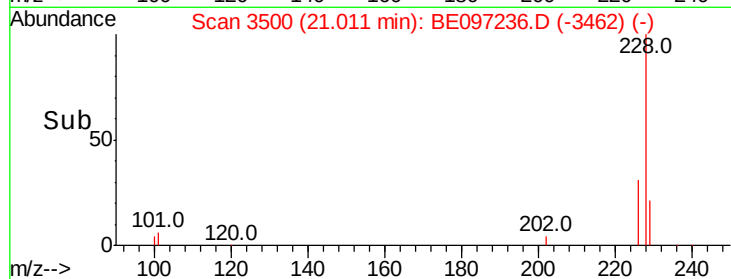
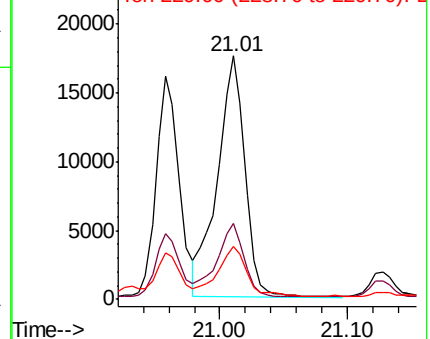


Abundance

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: 1.524 ng/ul

RT: 22.53 min Scan# 3731

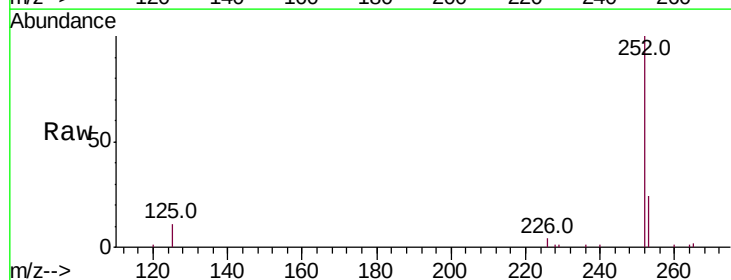
Delta R.T. 0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

Tgt Ion:252 Resp: 46477

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	64.2
125	11.3	0.0	35.0

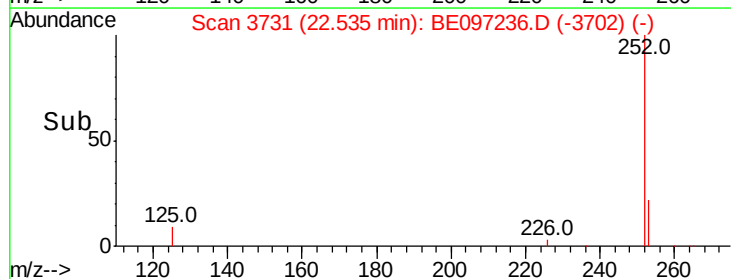
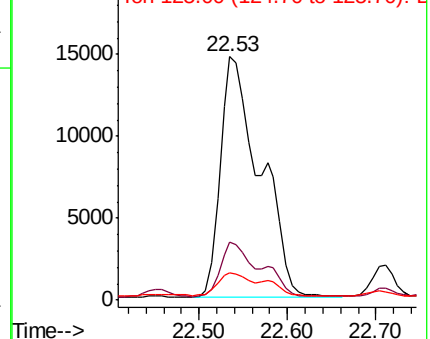


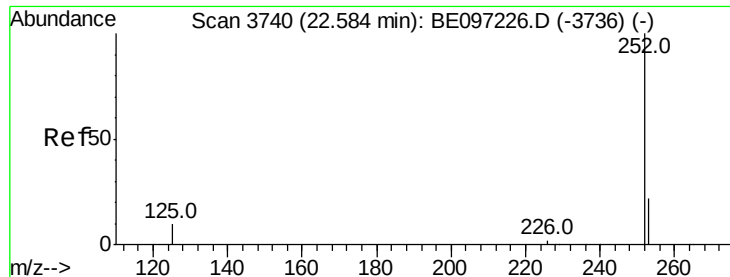
Abundance

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





#22

Benzo(k)fluoranthene

Concen: 1.413 ng/ul

RT: 22.53 min Scan# 3731

Delta R.T. -0.05 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

Instrument :

BNA_E

ClientSampleId :

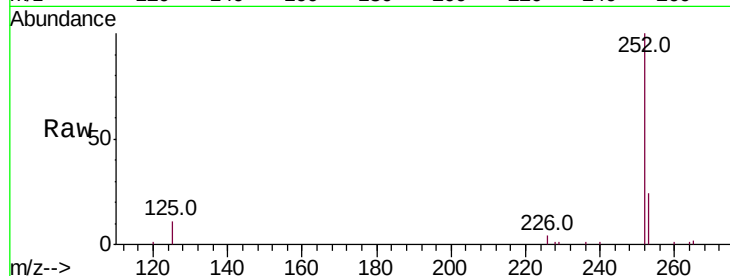
Tot Ion:252 Resp: 46477

Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

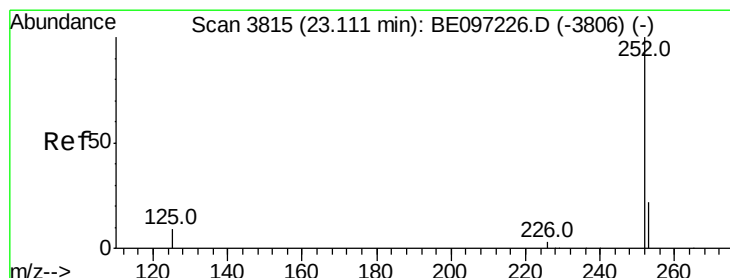
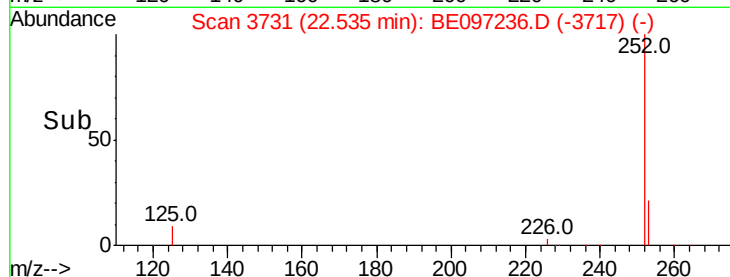
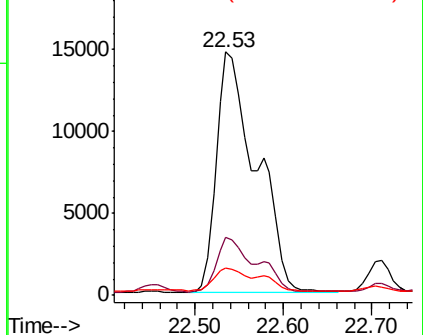
125 11.3 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 0.783 ng/ul

RT: 23.11 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

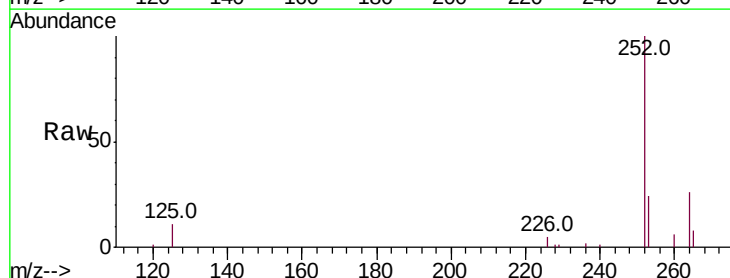
Tgt Ion:252 Resp: 23882

Ion Ratio Lower Upper

252 100

253 23.6 28.5 42.7#

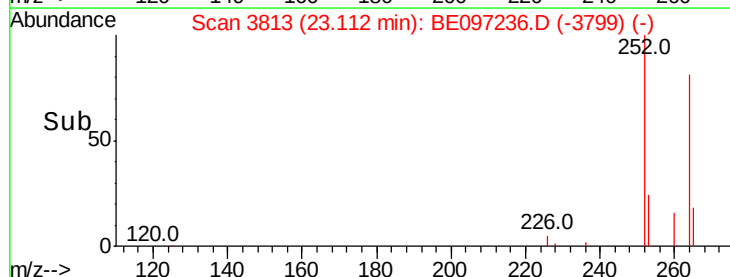
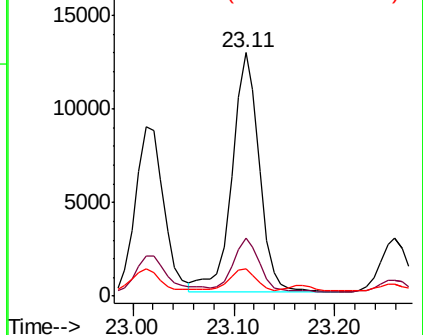
125 11.0 18.1 27.1#

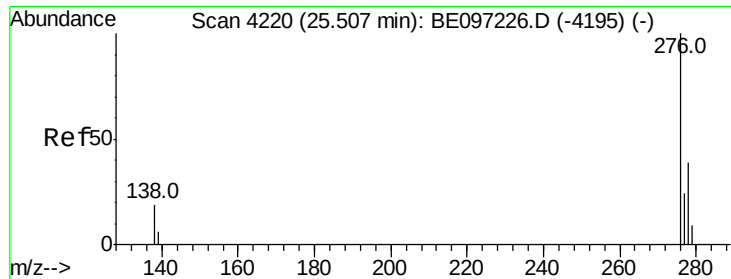


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



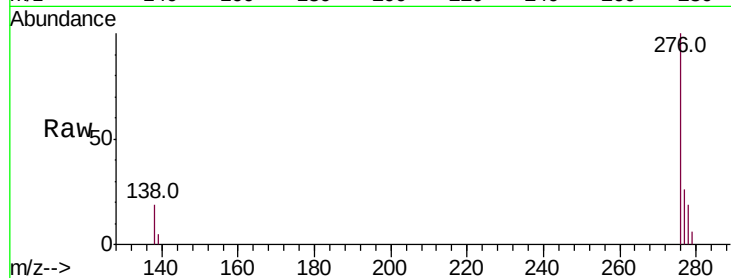


#24

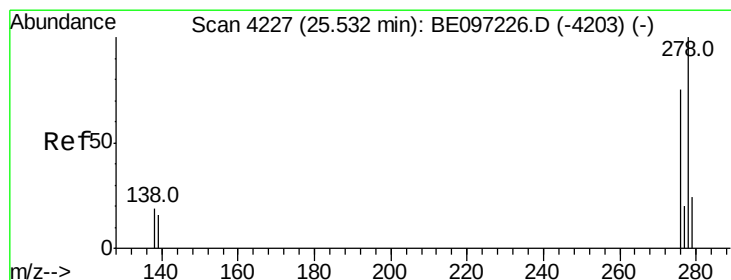
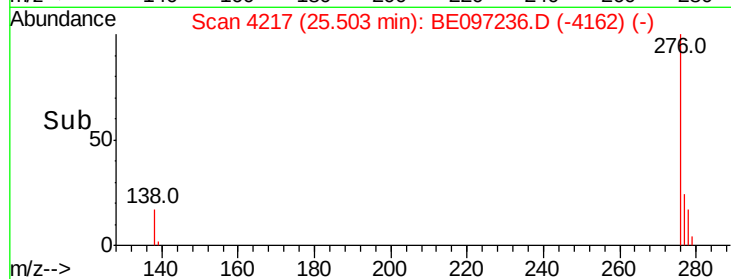
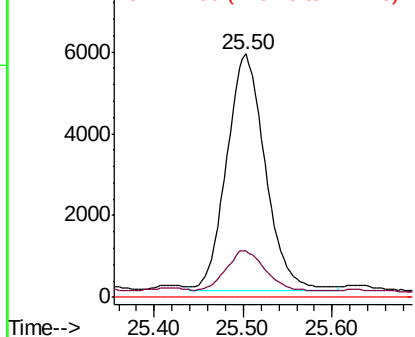
Indeno(1,2,3-cd)pyrene
Concen: 0.457 ng/ul
RT: 25.50 min Scan# 4217
Delta R.T. -0.00 min
Lab File: BE097236.D
Acq: 8 Aug 2018 15:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 17473
Ion Ratio Lower Upper
276 100
138 17.3 28.0 42.0#
227 0.0 8.0 12.0#



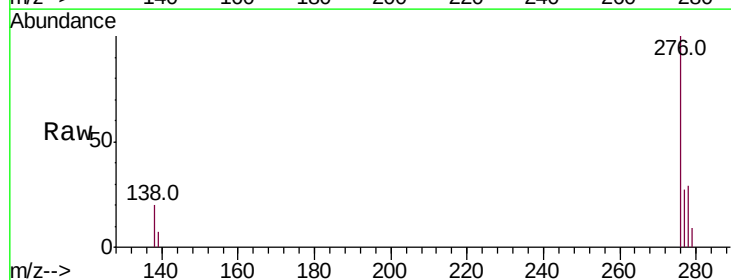
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



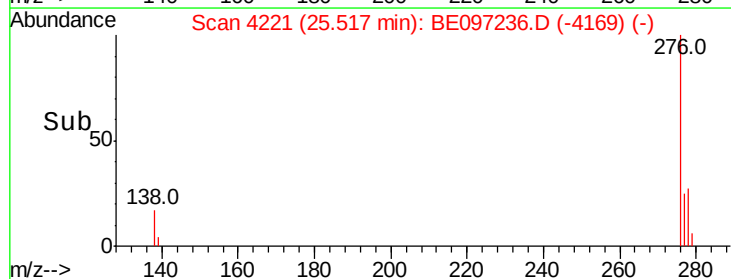
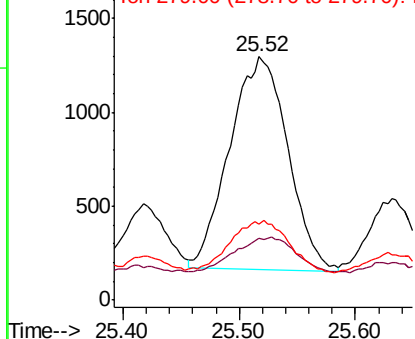
#25

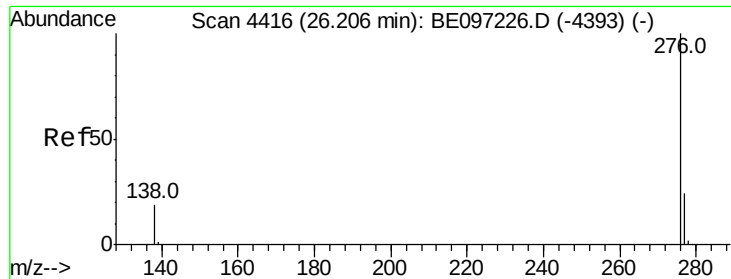
Dibenzo(a,h)anthracene
Concen: 0.127 ng/ul
RT: 25.52 min Scan# 4221
Delta R.T. -0.02 min
Lab File: BE097236.D
Acq: 8 Aug 2018 15:40

Tgt Ion:278 Resp: 3954
Ion Ratio Lower Upper
278 100
139 25.7 17.4 26.0
279 31.2 25.9 38.9



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(a,h,i)perylene

Concen: 0.532 ng/ul

RT: 26.21 min Scan# 4414

Delta R.T. -0.00 min

Lab File: BE097236.D

Acq: 8 Aug 2018 15:40

Instrument :

BNA_E

ClientSampleId :

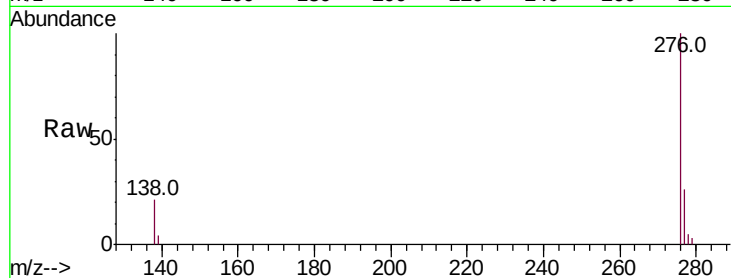
Tot Ion:276 Resp: 17557

Ion Ratio Lower Upper

276 100

138 20.6 21.8 32.8#

277 25.5 20.5 30.7



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

