

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094265.D
 Acq On : 10 Oct 2017 23:47
 Operator : SJ/JU
 Sample : I5533-08DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

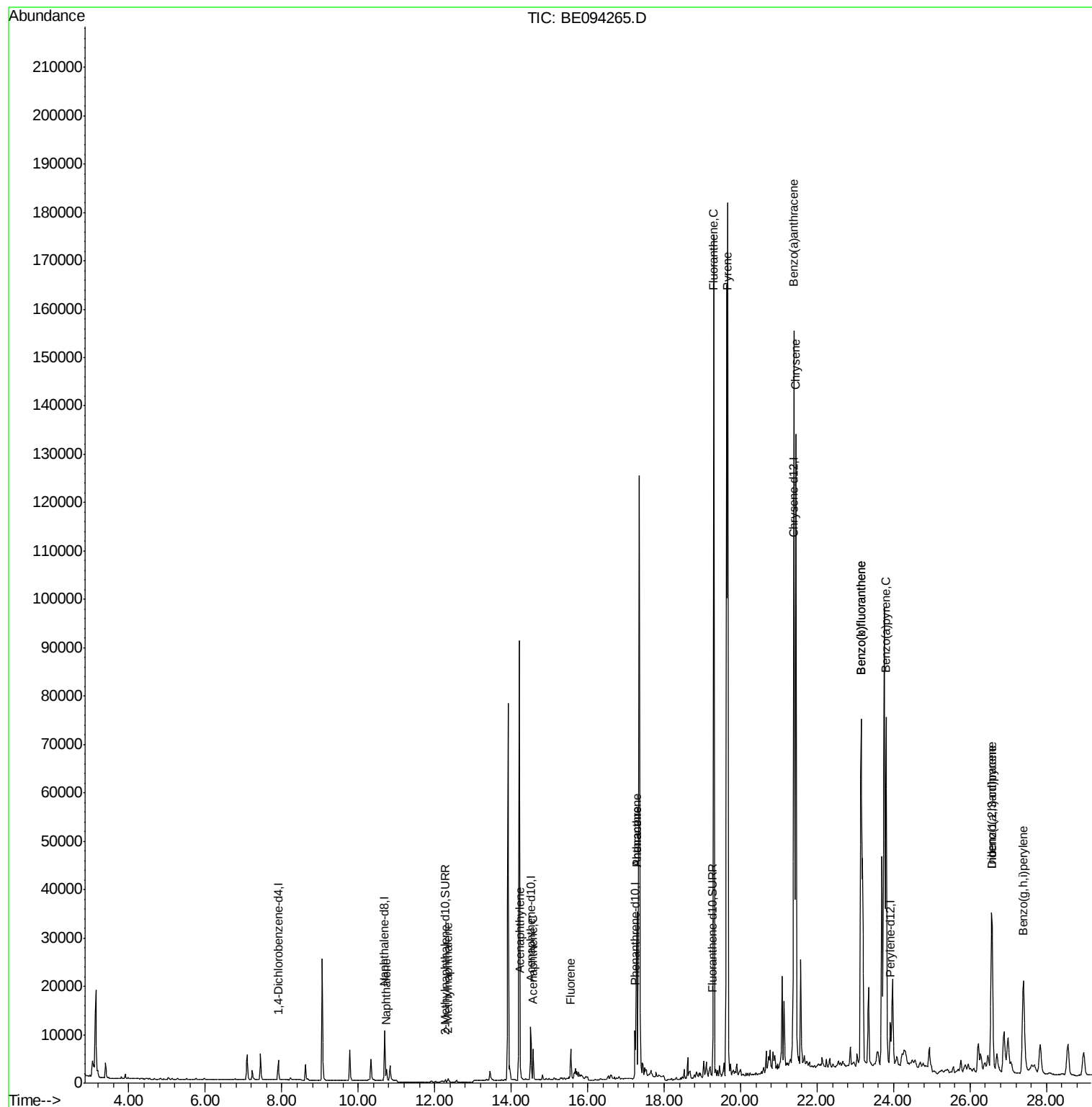
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2182	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	11093	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6131	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	13626	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	13842	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	12960	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	735	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1878	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	3350	0.123	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	770	0.044	ng/ul	100
7) Acenaphthylene	14.24	152	2580	0.108	ng/ul	96
8) Acenaphthene	14.57	153	3830	0.195	ng/ul	100
9) Fluorene	15.56	166	3978	0.173	ng/ul	91
12) Phenanthrene	17.29	178	49938	1.402	ng/ul#	93
13) Anthracene	17.29	178	49793	1.438	ng/ul	92
15) Fluoranthene	19.30	202	191906	4.102	ng/ul	84
17) Pyrene	19.66	202	202224	5.251	ng/ul#	81
18) Benzo(a)anthracene	21.39	228	137094	3.733	ng/ul#	87
19) Chrysene	21.45	228	130409	3.075	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	184089	5.229	ng/ul	87
22) Benzo(k)fluoranthene	23.15	252	184283	4.529	ng/ul#	88
23) Benzo(a)pyrene	23.81	252	109071	2.981	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.57	276	58248	1.556	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.57	278	16928	0.539	ng/ul#	91
26) Benzo(a,h,i)perylene	27.40	276	50456	1.563	ng/ul	99

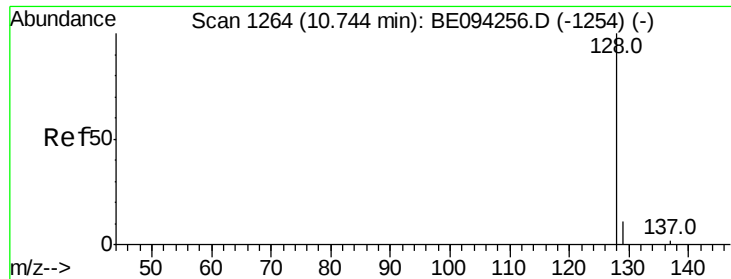
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.123 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :

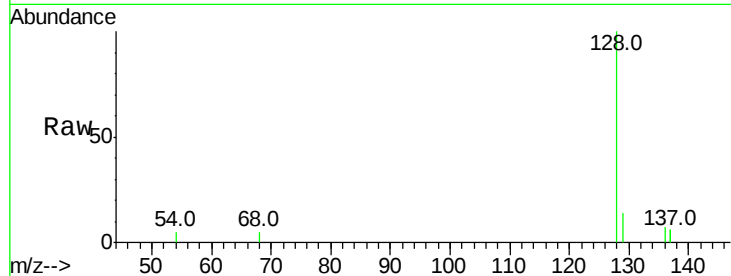
Tot Ion:128 Resp: 3350

Ion Ratio Lower Upper

128 100

129 14.1 11.3 16.9

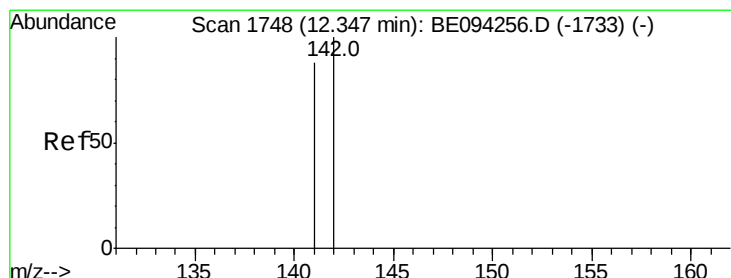
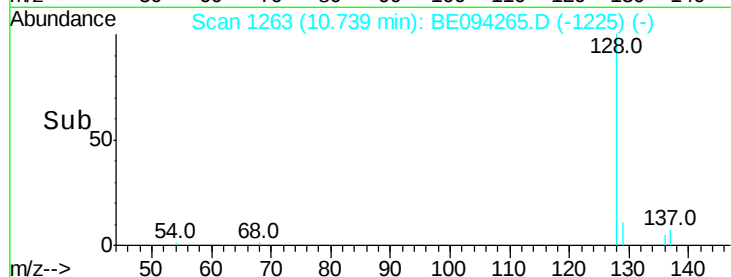
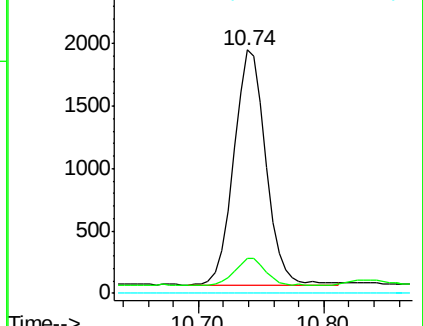
127 0.0 4.0 6.0#



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: 0.044 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BE094265.D

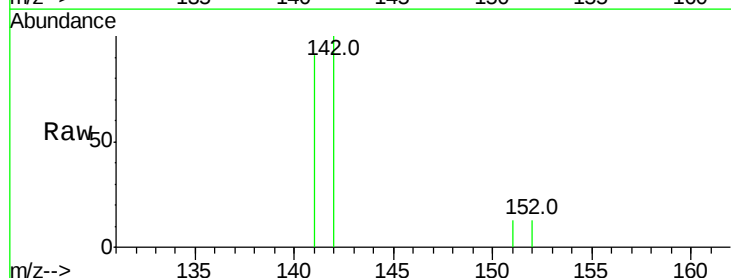
Acq: 10 Oct 2017 23:47

Tgt Ion:142 Resp: 770

Ion Ratio Lower Upper

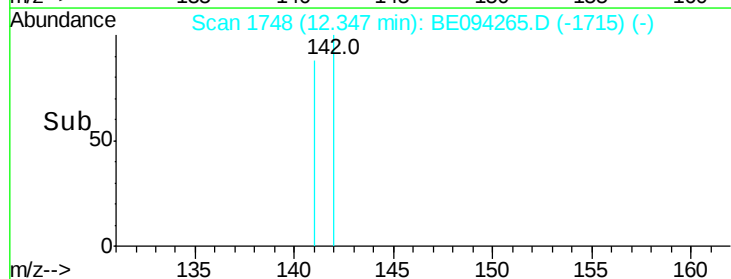
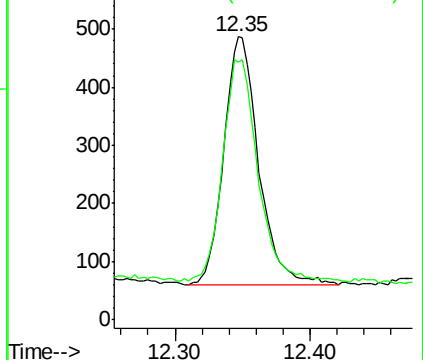
142 100

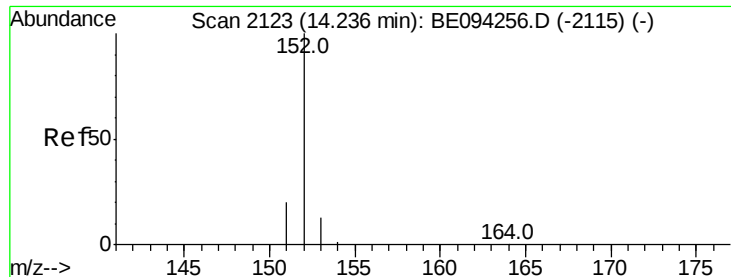
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.108 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :

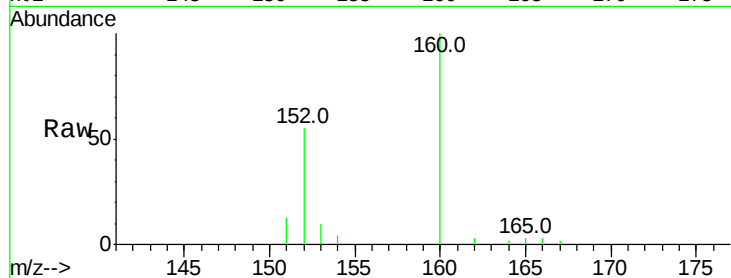
Tot Ion:152 Resp: 2580

Ion Ratio Lower Upper

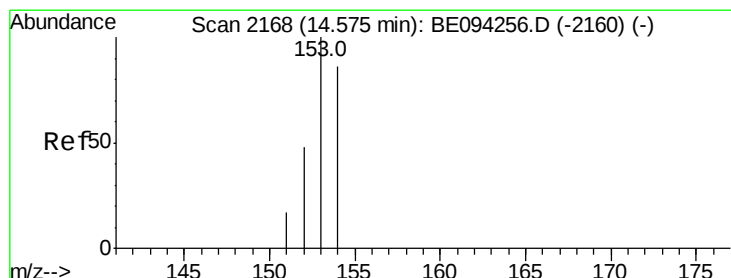
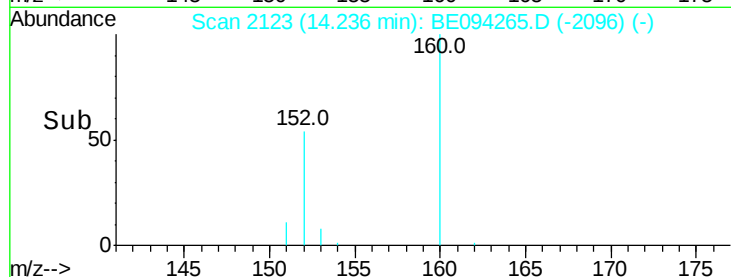
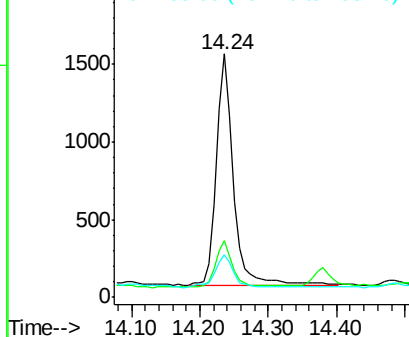
152 100

151 23.1 17.1 25.7

153 17.7 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: 0.195 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

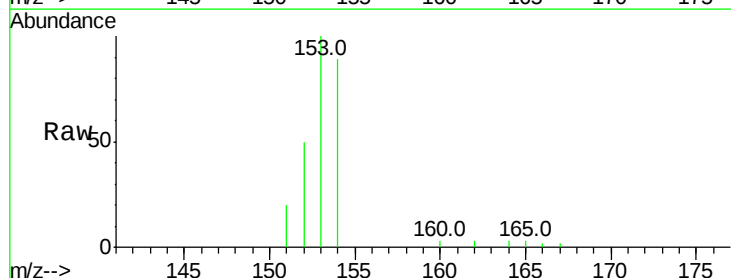
Tgt Ion:153 Resp: 3830

Ion Ratio Lower Upper

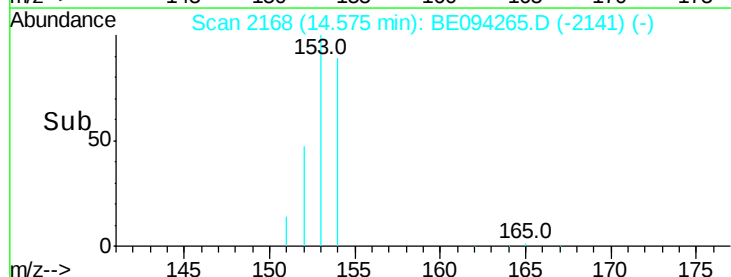
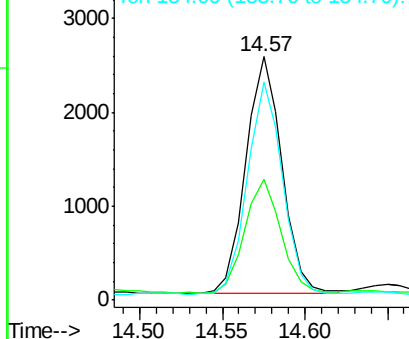
153 100

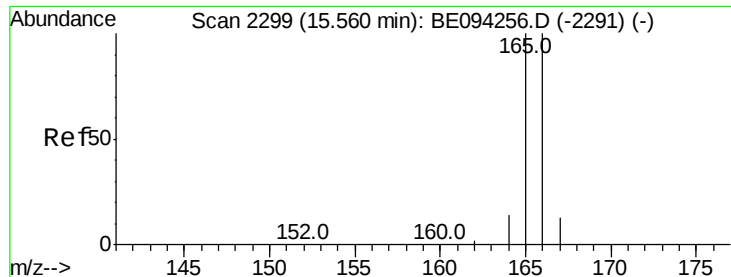
152 49.8 40.3 60.5

154 89.3 71.4 107.2



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: 0.173 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :

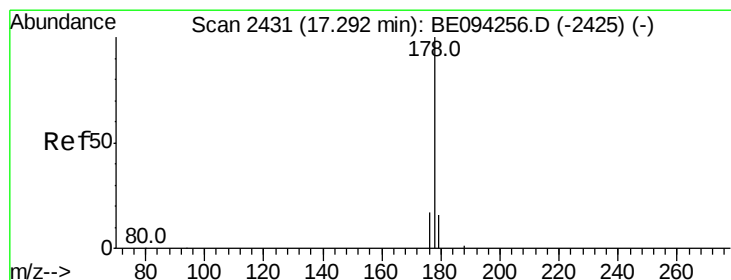
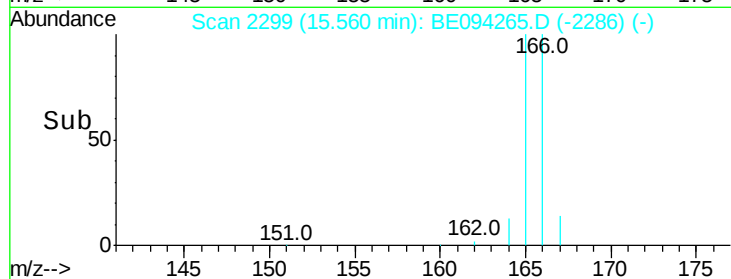
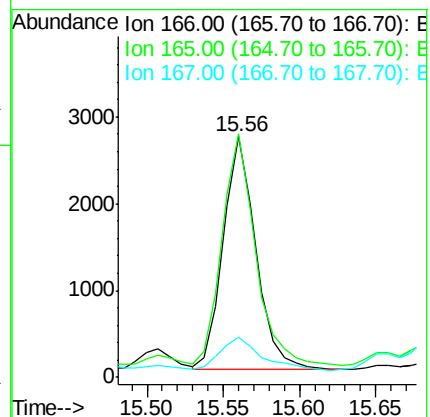
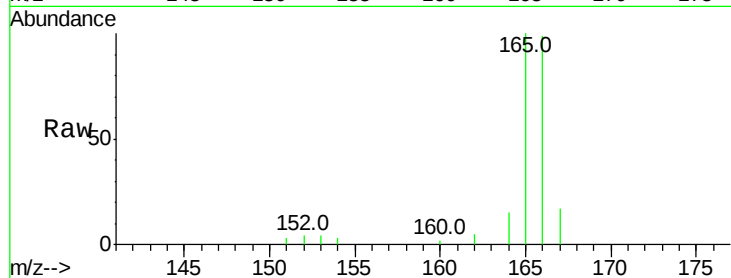
Tot Ion:166 Resp: 3978

Ion Ratio Lower Upper

166 100

165 101.2 73.4 110.2

167 16.7 14.6 22.0



#12

Phenanthrene

Concen: 1.402 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

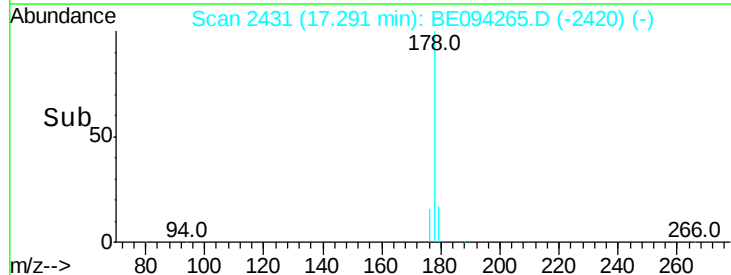
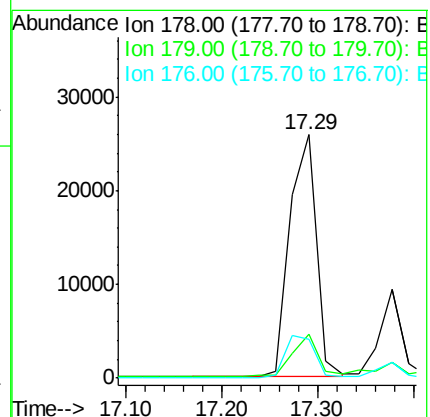
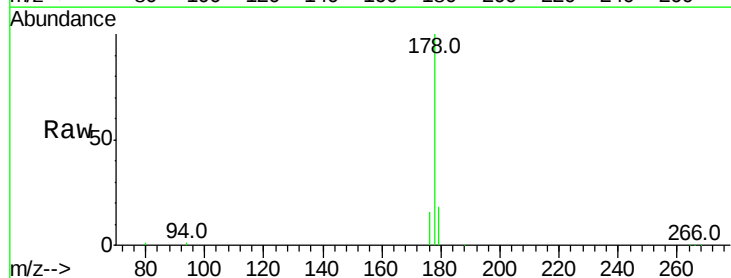
Tgt Ion:178 Resp: 49938

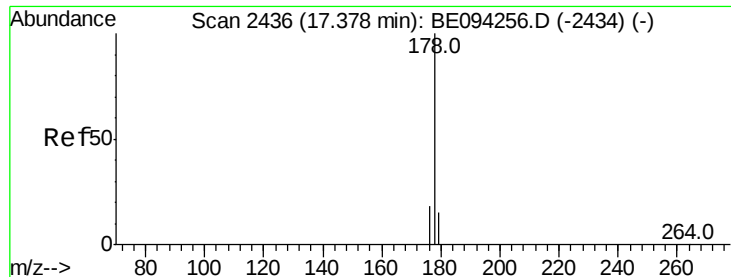
Ion Ratio Lower Upper

178 100

179 18.1 18.4 27.6#

176 15.9 13.6 20.4





#13

Anthracene

Concen: 1.438 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.09 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :

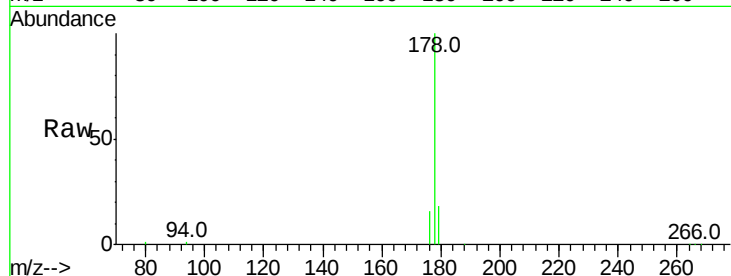
Tot Ion:178 Resp: 49793

Ion Ratio Lower Upper

178 100

179 18.1 18.1 27.1

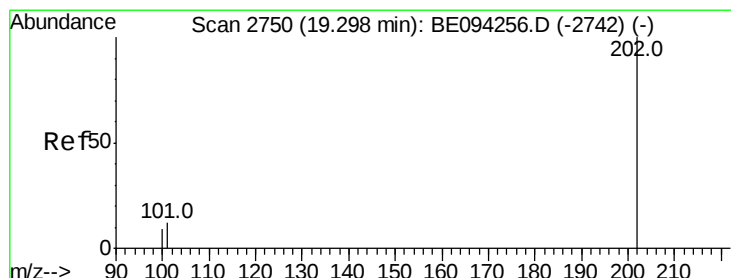
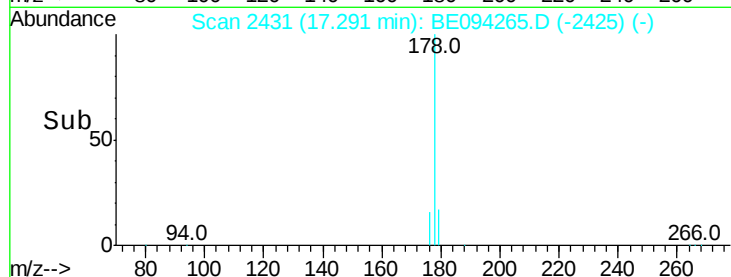
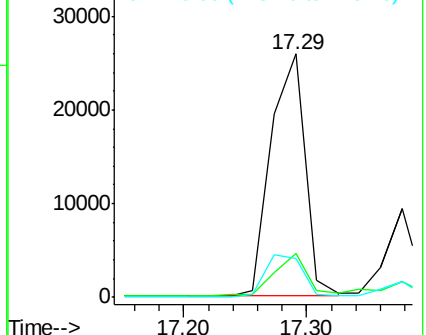
176 15.9 14.7 22.1



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: 4.102 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

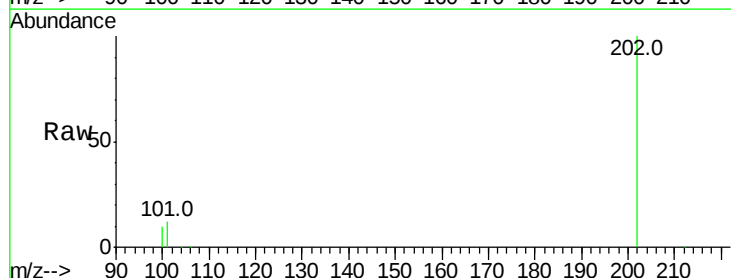
Tgt Ion:202 Resp: 191906

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

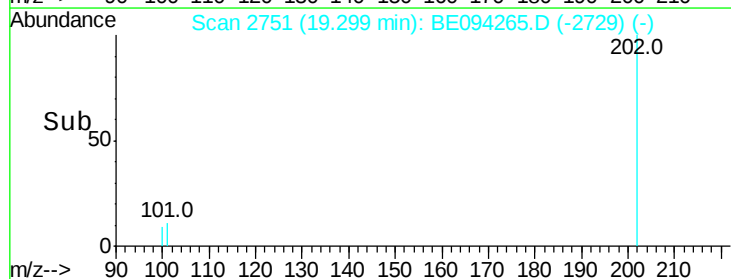
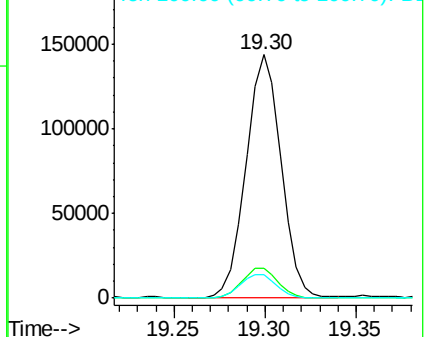
100 9.6 0.0 39.5

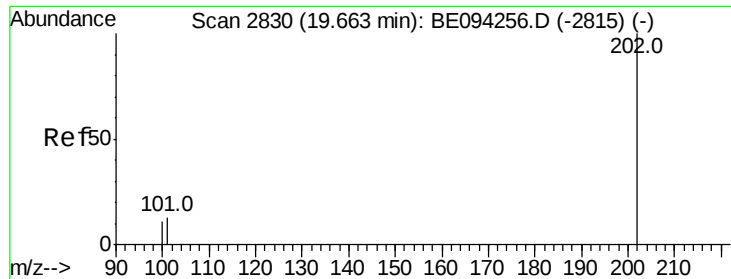


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

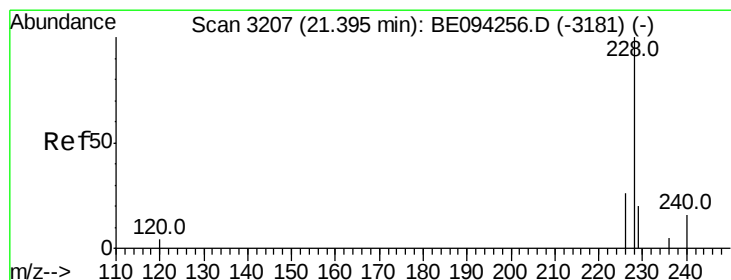
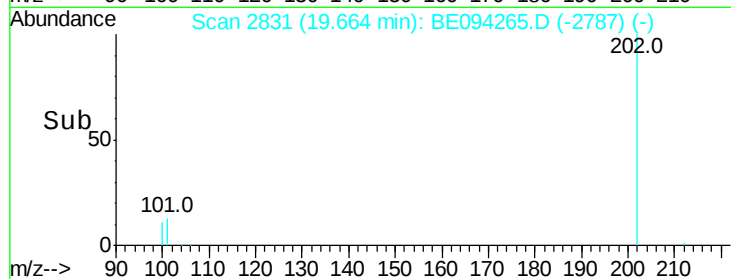
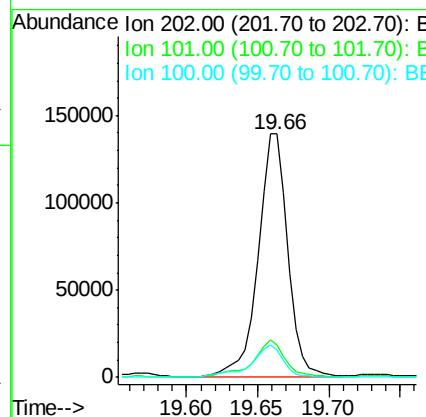
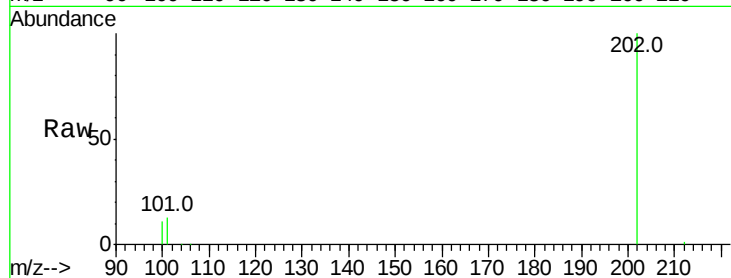




#17
Pvrene
Concen: 5.251 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BE094265.D
Acq: 10 Oct 2017 23:47

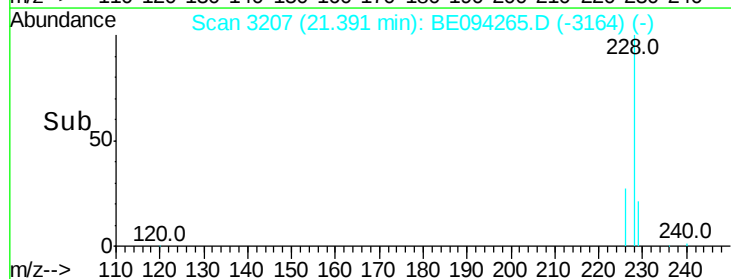
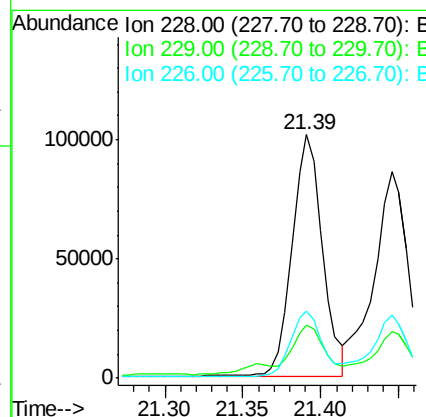
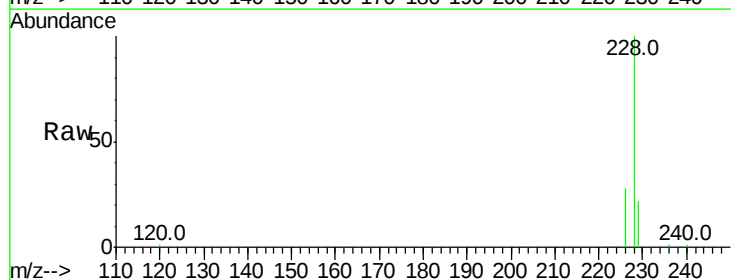
Instrument :
BNA_E
ClientSampleId :

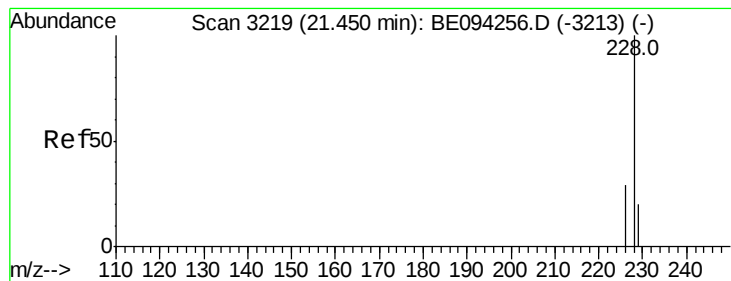
Tot Ion:202 Resp: 202224
Ion Ratio Lower Upper
202 100
101 13.3 18.2 27.4#
100 11.0 15.6 23.4#



#18
Benzo(a)anthracene
Concen: 3.733 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BE094265.D
Acq: 10 Oct 2017 23:47

Tgt Ion:228 Resp: 137094
Ion Ratio Lower Upper
228 100
229 21.8 22.8 34.2#
226 27.6 17.0 25.6#





#19

Chrysene

Concen: 3.075 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :

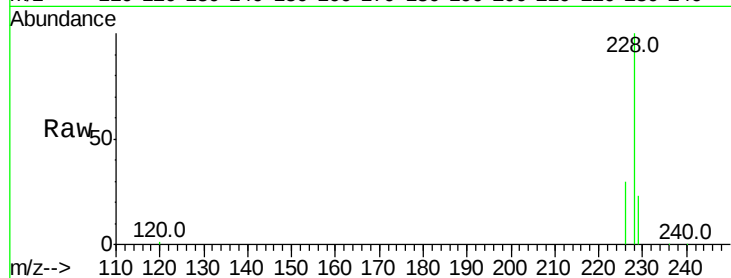
Tot Ion:228 Resp: 130409

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

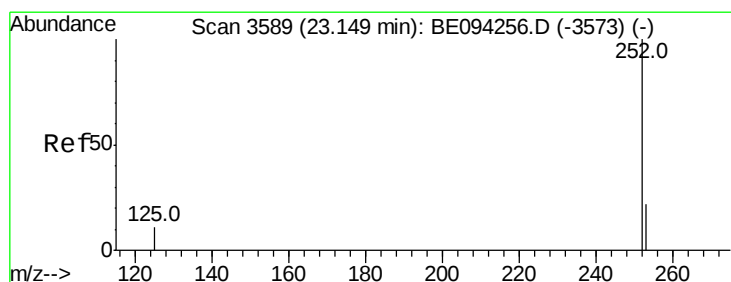
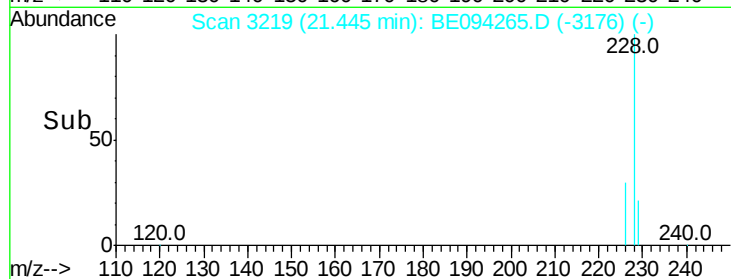
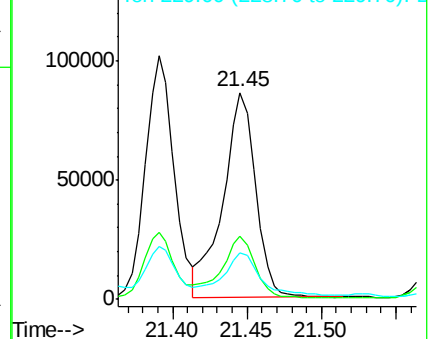
229 22.6 17.7 26.5



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: 5.229 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

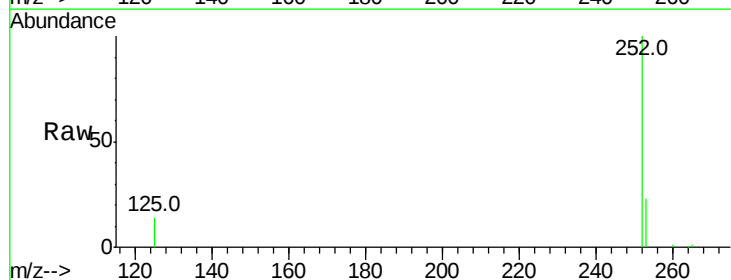
Tgt Ion:252 Resp: 184089

Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

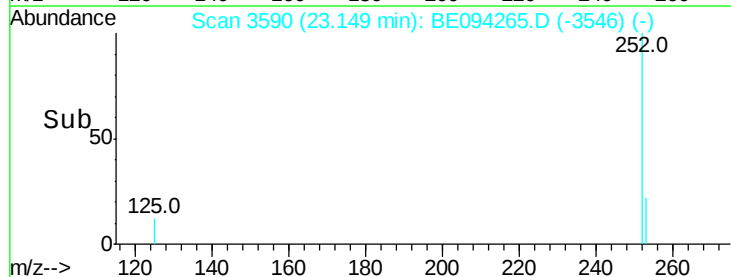
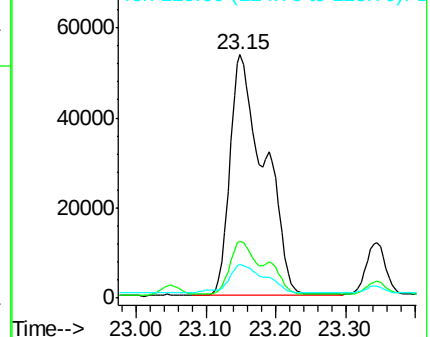
125 13.7 0.0 35.0

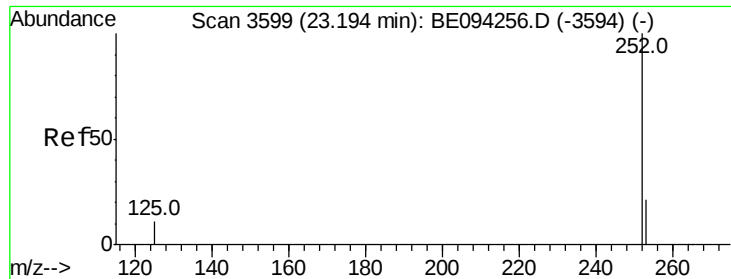


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.529 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :

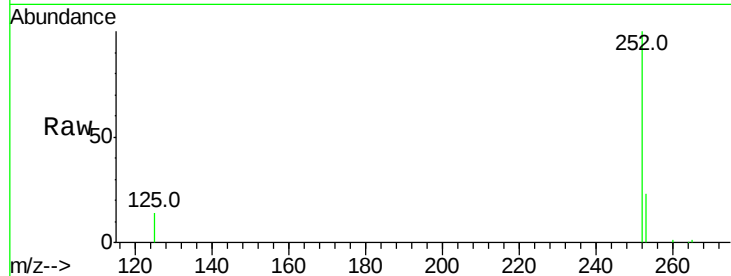
Tot Ion:252 Resp: 184283

Ion Ratio Lower Upper

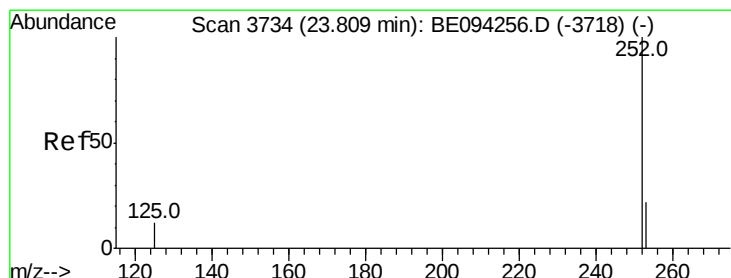
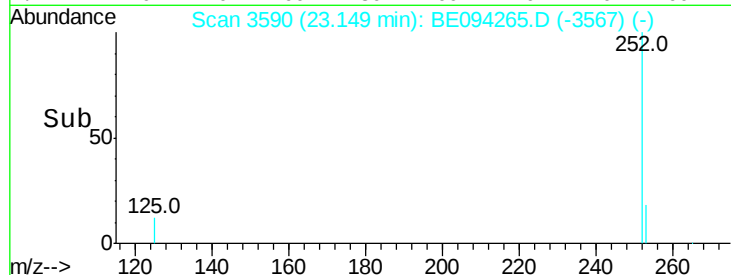
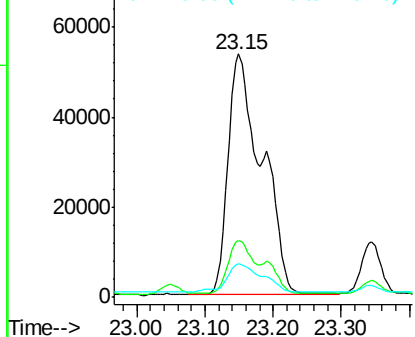
252 100

253 23.2 24.5 36.7#

125 13.7 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: 2.981 ng/ul

RT: 23.81 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

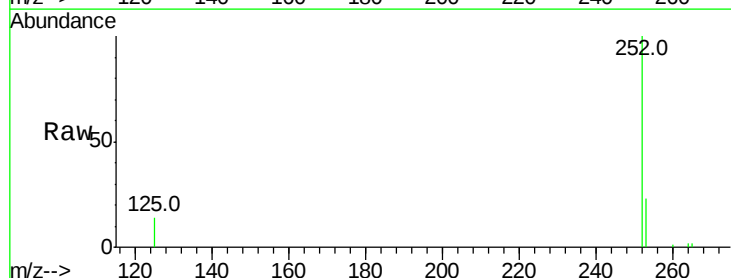
Tgt Ion:252 Resp: 109071

Ion Ratio Lower Upper

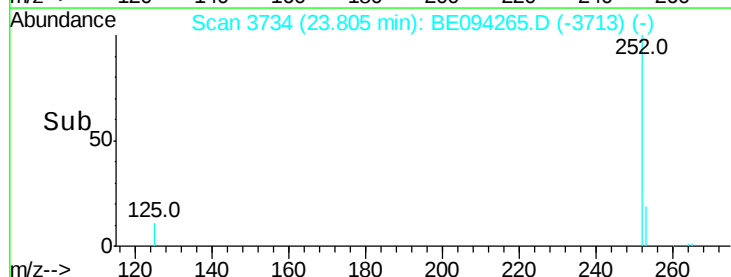
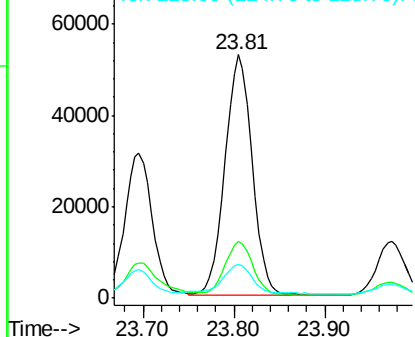
252 100

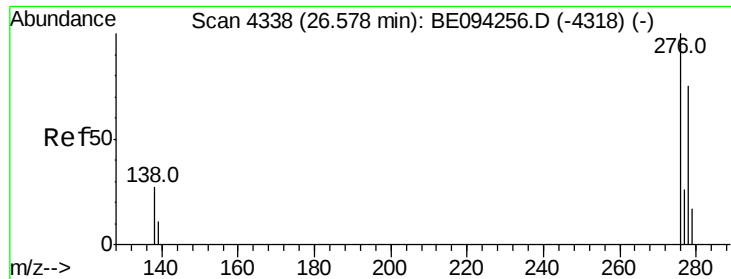
253 23.4 28.5 42.7#

125 13.9 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



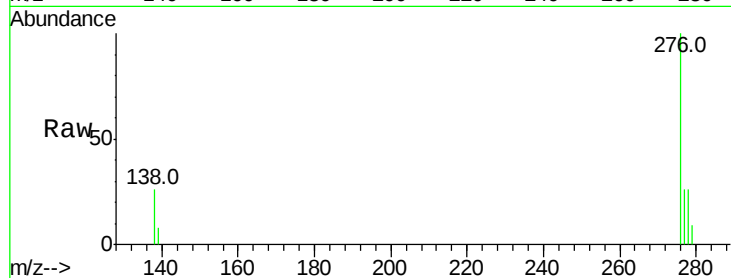


#24

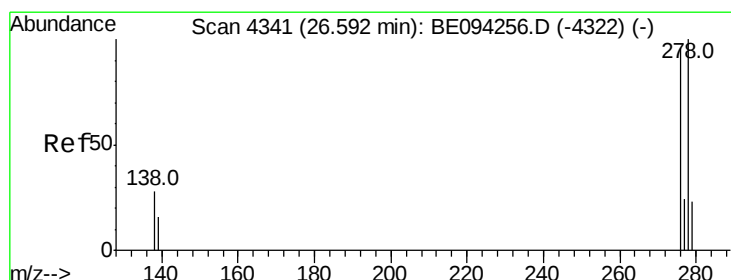
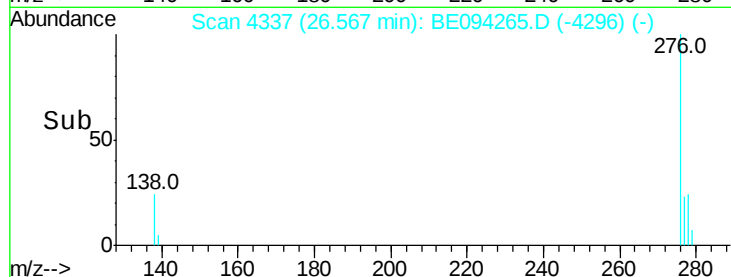
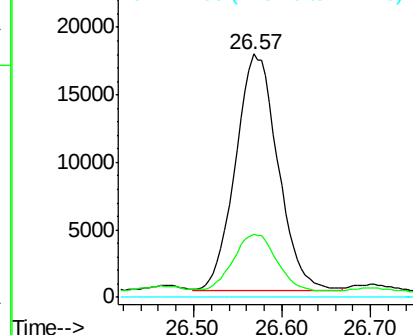
Indeno(1,2,3-cd)pyrene
Concen: 1.556 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.01 min
Lab File: BE094265.D
Acq: 10 Oct 2017 23:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 58248
Ion Ratio Lower Upper
276 100
138 24.7 28.0 42.0#
227 0.0 8.0 12.0#



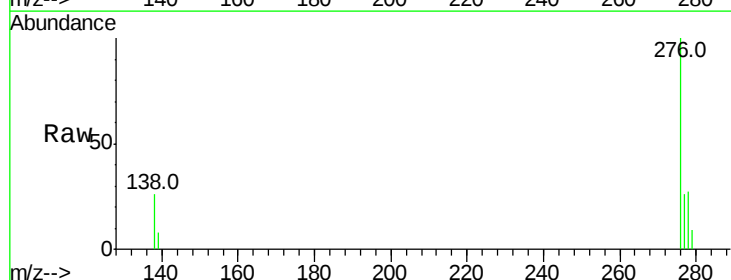
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



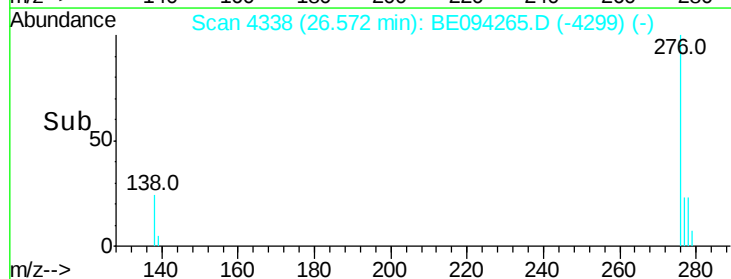
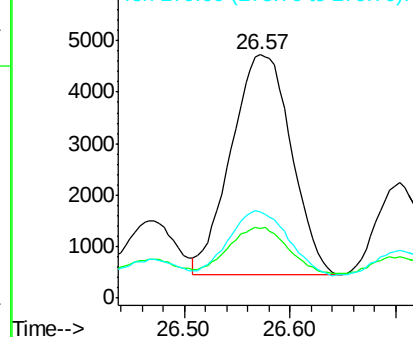
#25

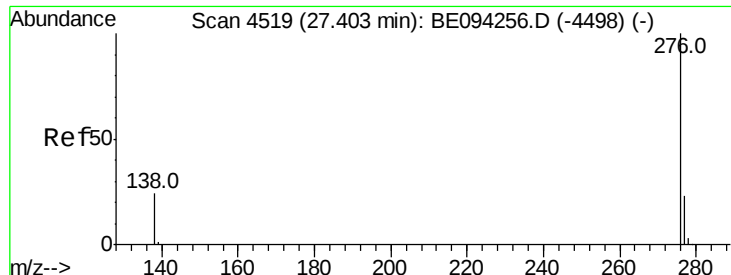
Dibenzo(a,h)anthracene
Concen: 0.539 ng/ul
RT: 26.57 min Scan# 4338
Delta R.T. -0.02 min
Lab File: BE094265.D
Acq: 10 Oct 2017 23:47

Tgt Ion:278 Resp: 16928
Ion Ratio Lower Upper
278 100
139 28.5 17.4 26.0#
279 35.1 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: 1.563 ng/ul

RT: 27.40 min Scan# 4519

Delta R.T. -0.01 min

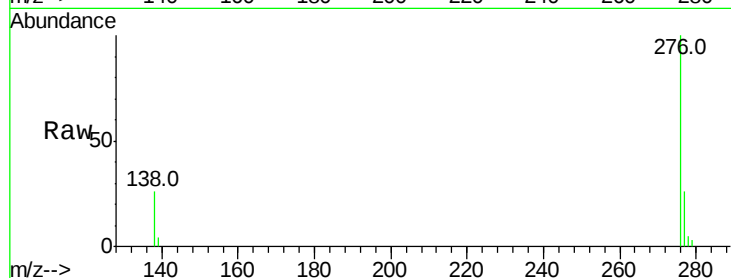
Lab File: BE094265.D

Acq: 10 Oct 2017 23:47

Instrument :

BNA_E

ClientSampleId :



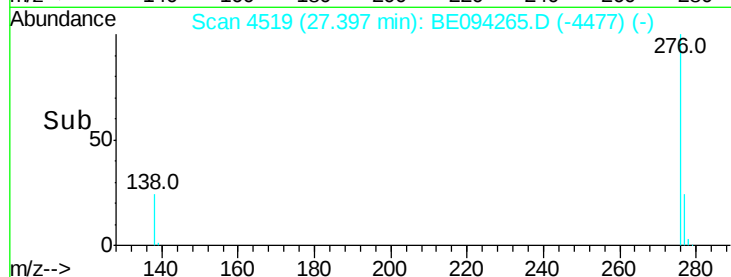
Tot Ion:276 Resp: 50456

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.8

277 25.6 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

