

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094271.D
 Acq On : 11 Oct 2017 3:27
 Operator : SJ/JU
 Sample : I5533-06DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:35:31 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

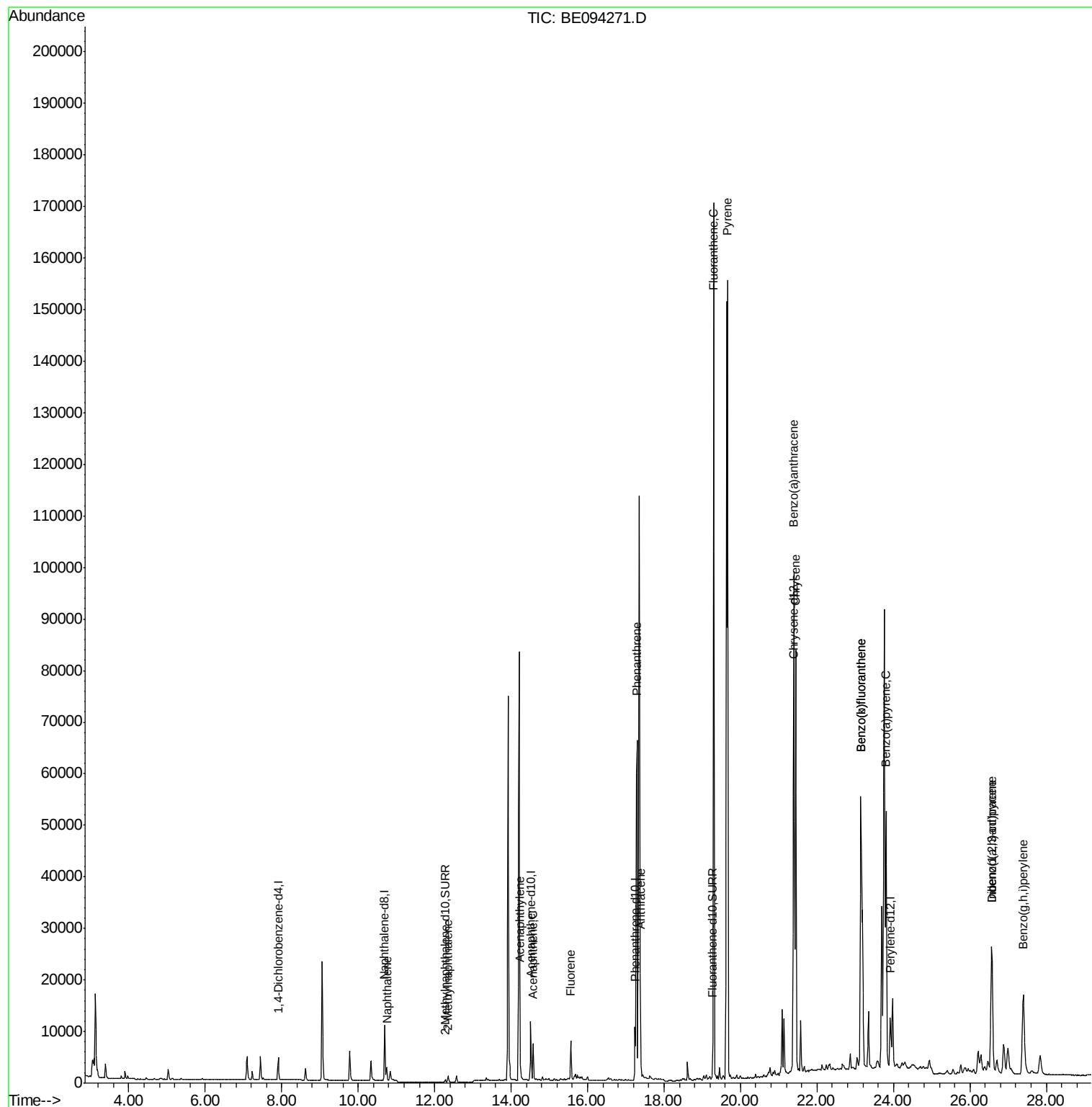
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2337	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	11627	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6417	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	13812	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	14483	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	14397	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	694	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1793	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	3915	0.137	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	1324	0.072	ng/ul	98
7) Acenaphthylene	14.24	152	2758	0.110	ng/ul	99
8) Acenaphthene	14.57	153	4300	0.209	ng/ul	98
9) Fluorene	15.56	166	4809	0.199	ng/ul	93
12) Phenanthrene	17.29	178	100960	2.797	ng/ul#	92
13) Anthracene	17.38	178	24669	0.703	ng/ul#	92
15) Fluoranthene	19.30	202	187665	3.957	ng/ul	84
17) Pyrene	19.66	202	170043	4.220	ng/ul#	80
18) Benzo(a)anthracene	21.39	228	89617	2.332	ng/ul#	86
19) Chrysene	21.44	228	81607	1.839	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	135898	3.475	ng/ul	87
22) Benzo(k)fluoranthene	23.15	252	135933	3.007	ng/ul#	89
23) Benzo(a)pyrene	23.80	252	75263	1.852	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.57	276	45250	1.088	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	11486	0.329	ng/ul#	95
26) Benzo(a,h,i)perylene	27.40	276	39734	1.108	ng/ul	98

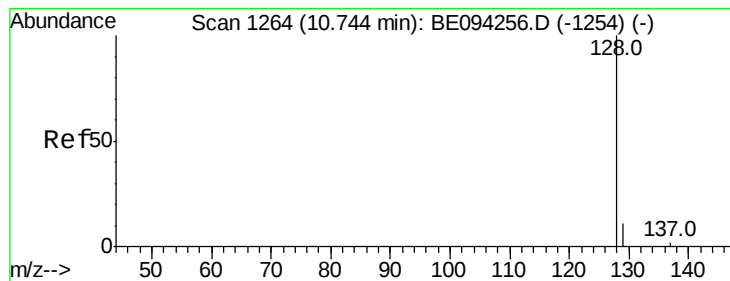
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.137 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

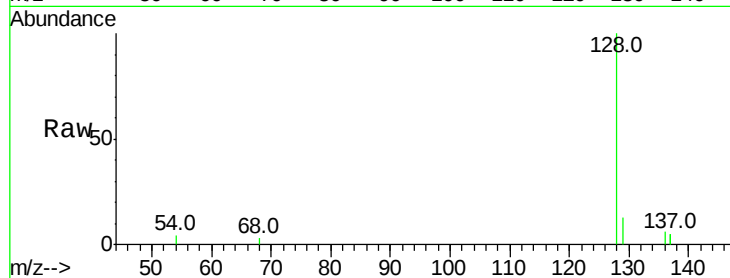
Tot Ion:128 Resp: 3915

Ion Ratio Lower Upper

128 100

129 13.2 11.3 16.9

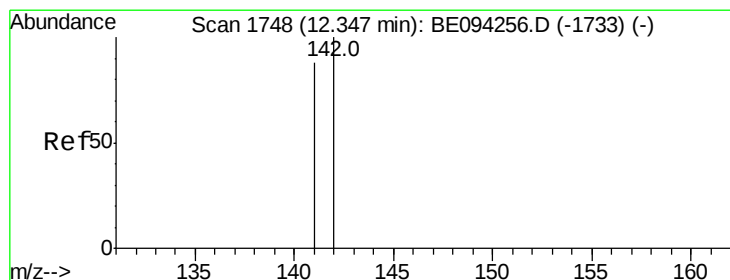
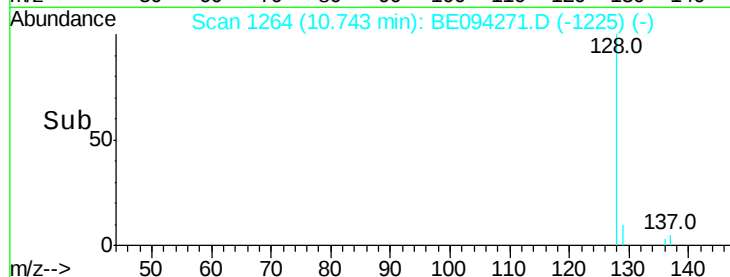
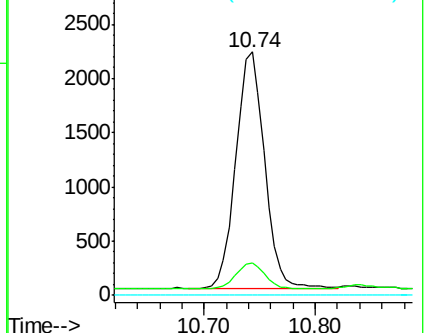
127 0.0 4.0 6.0#



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: 0.072 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BE094271.D

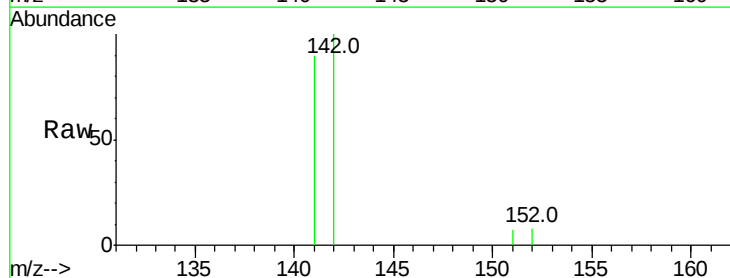
Acq: 11 Oct 2017 3:27

Tgt Ion:142 Resp: 1324

Ion Ratio Lower Upper

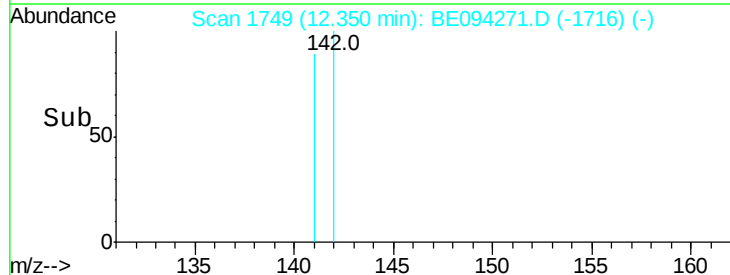
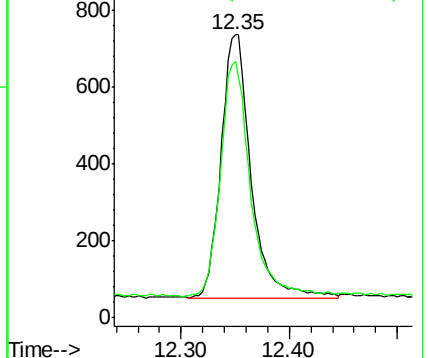
142 100

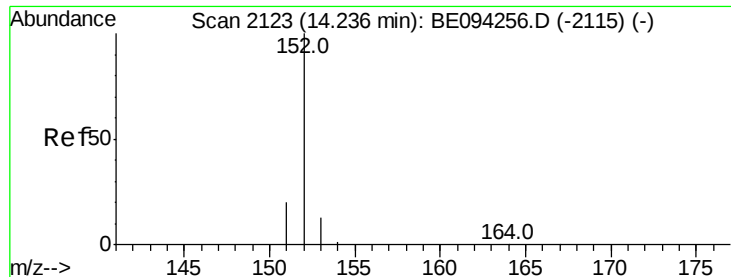
141 89.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.110 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

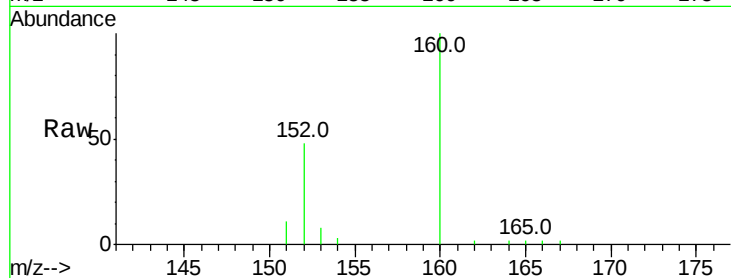
Tot Ion:152 Resp: 2758

Ion Ratio Lower Upper

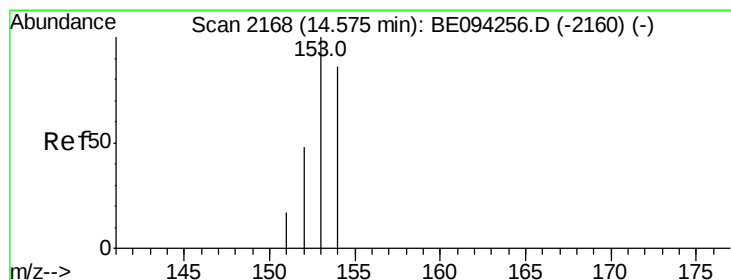
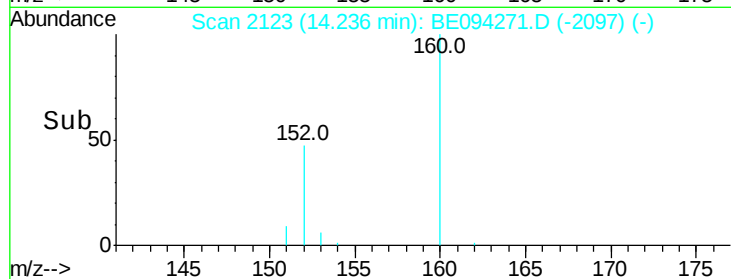
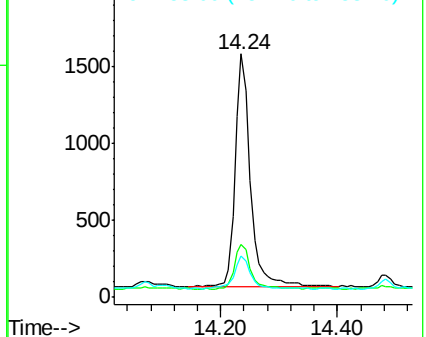
152 100

151 21.9 17.1 25.7

153 16.8 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: 0.209 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

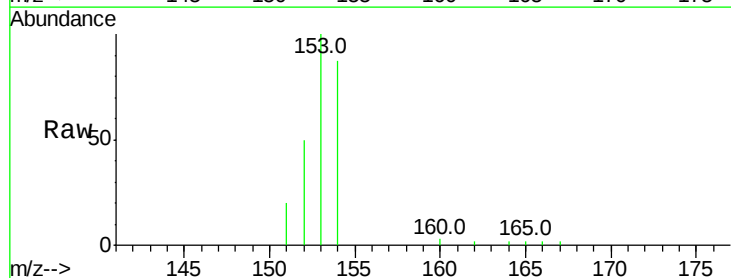
Tgt Ion:153 Resp: 4300

Ion Ratio Lower Upper

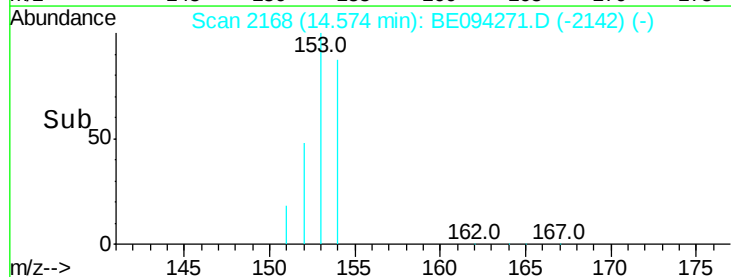
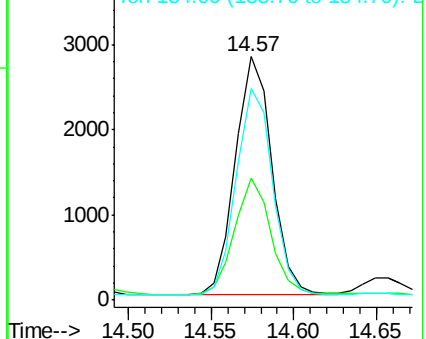
153 100

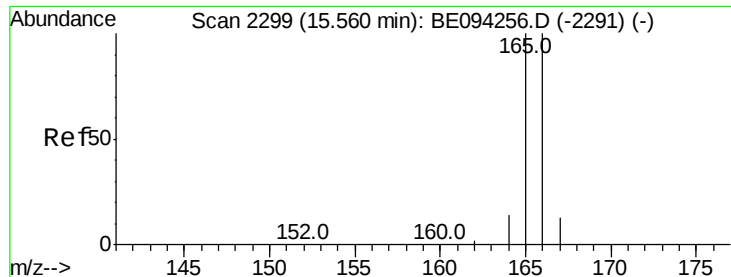
152 49.9 40.3 60.5

154 87.0 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: 0.199 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

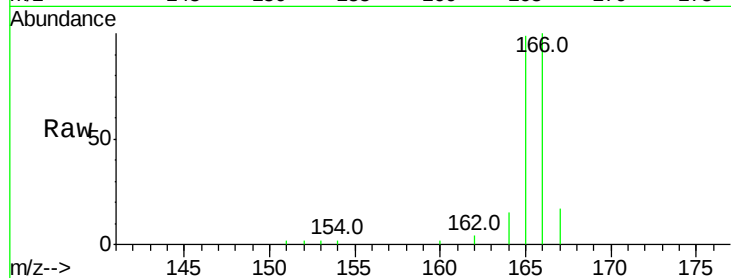
Tot Ion:166 Resp: 4809

Ion Ratio Lower Upper

166 100

165 99.2 73.4 110.2

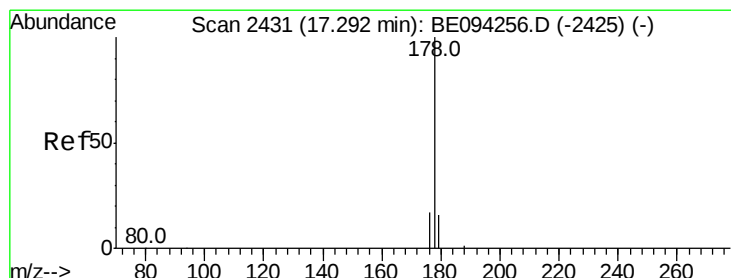
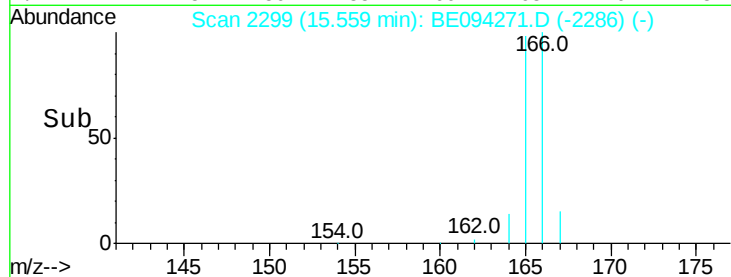
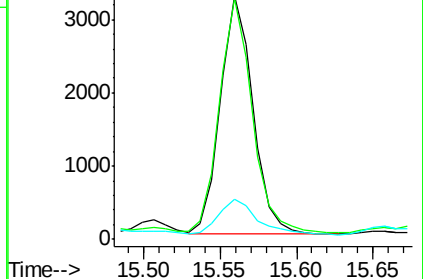
167 16.7 14.6 22.0



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: 2.797 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

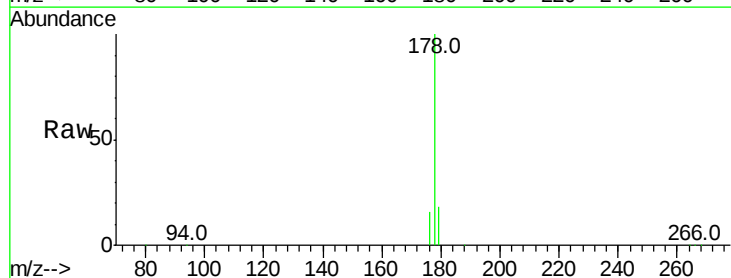
Tgt Ion:178 Resp: 100960

Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

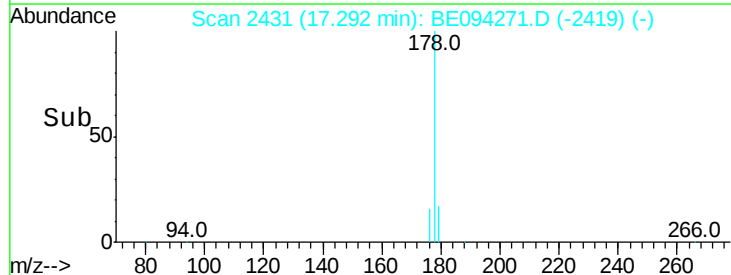
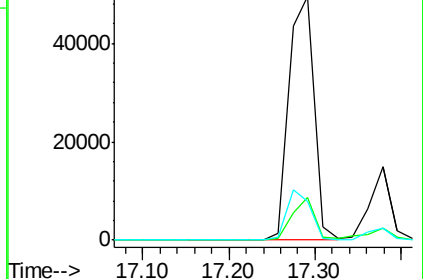
176 15.7 13.6 20.4

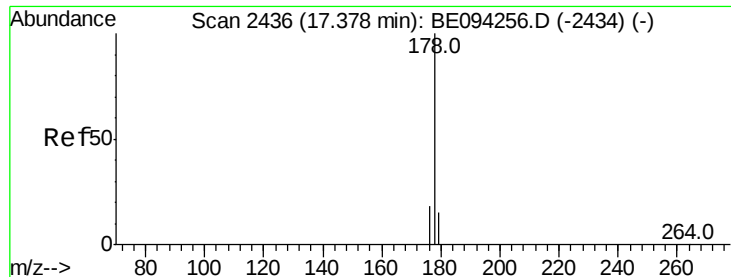


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.703 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

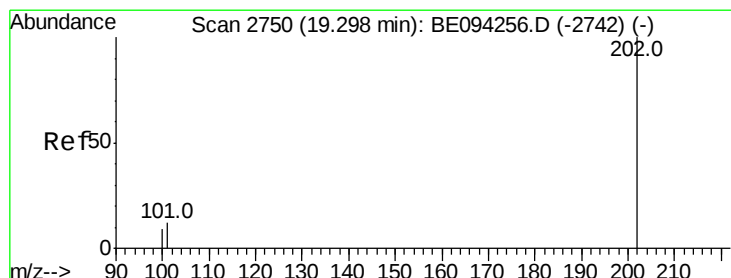
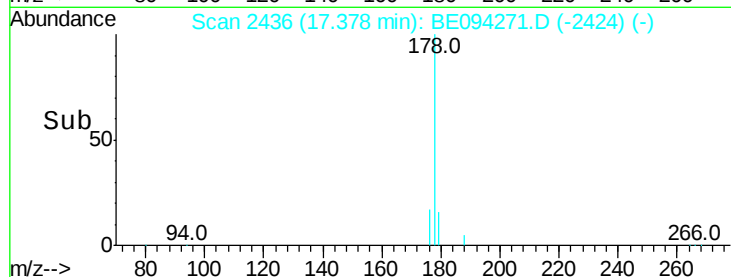
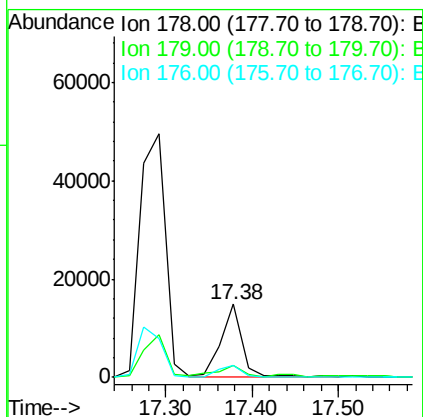
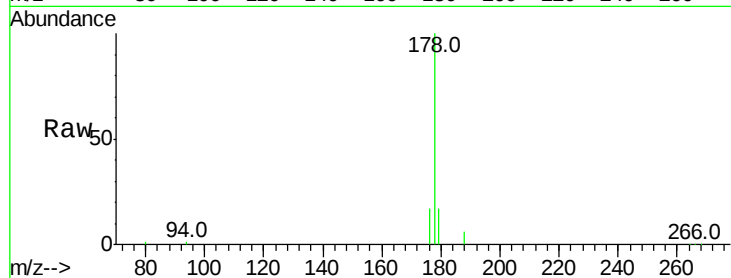
Tot Ion:178 Resp: 24669

Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

176 17.1 14.7 22.1



#15

Fluoranthene

Concen: 3.957 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

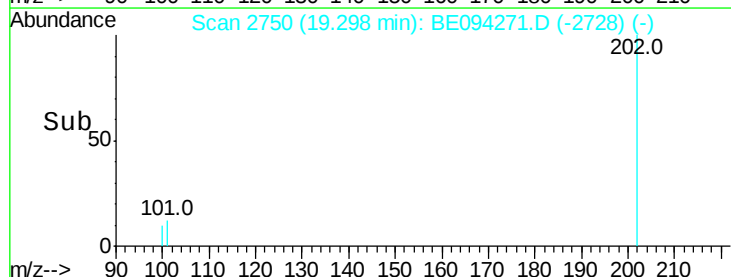
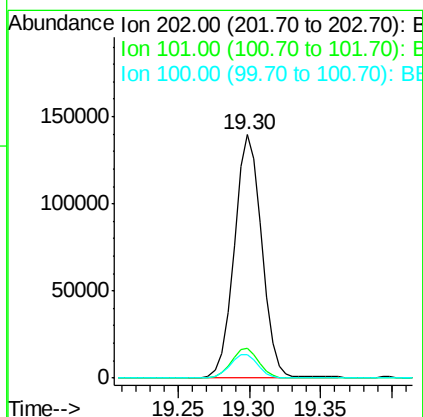
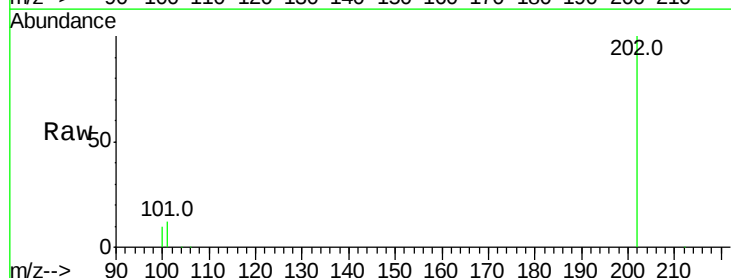
Tgt Ion:202 Resp: 187665

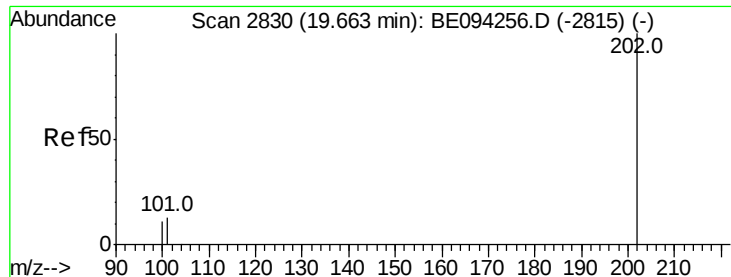
Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.3

100 9.8 0.0 39.5





#17

Pvrene

Concen: 4.220 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

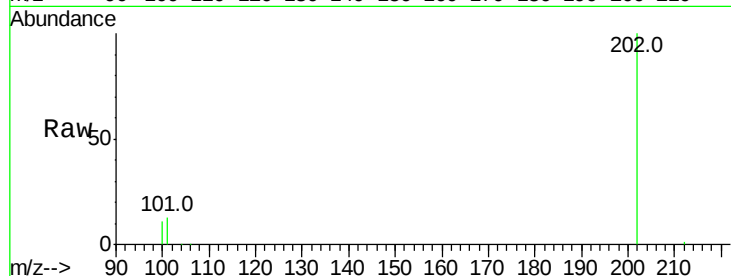
Tot Ion:202 Resp: 170043

Ion Ratio Lower Upper

202 100

101 12.9 18.2 27.4#

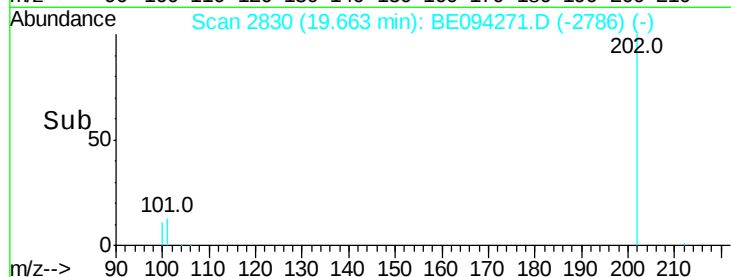
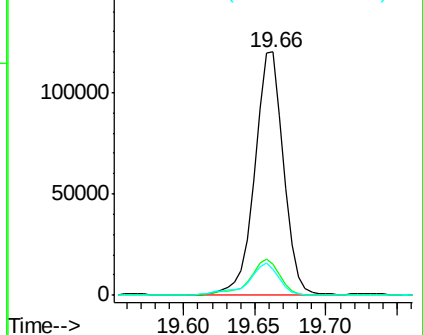
100 10.7 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 2.332 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

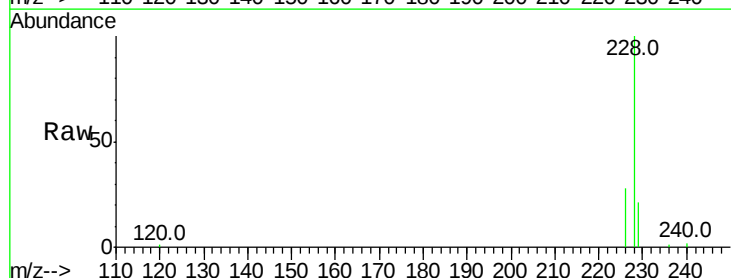
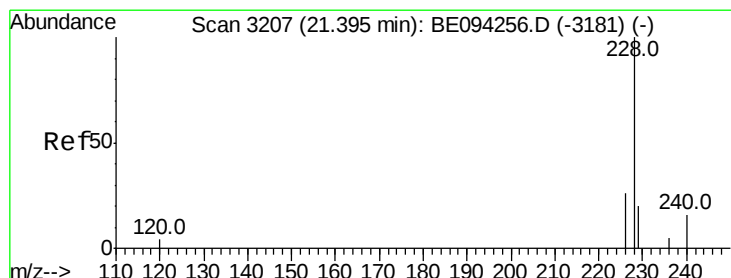
Tgt Ion:228 Resp: 89617

Ion Ratio Lower Upper

228 100

229 20.7 22.8 34.2#

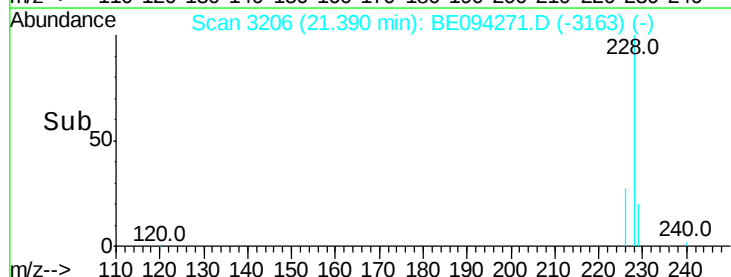
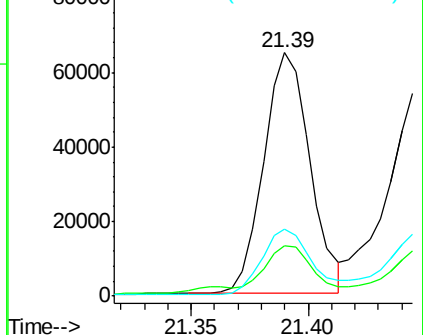
226 27.6 17.0 25.6#

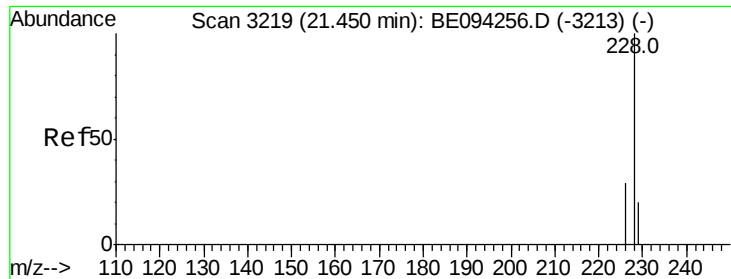


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.839 ng/ul

RT: 21.44 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

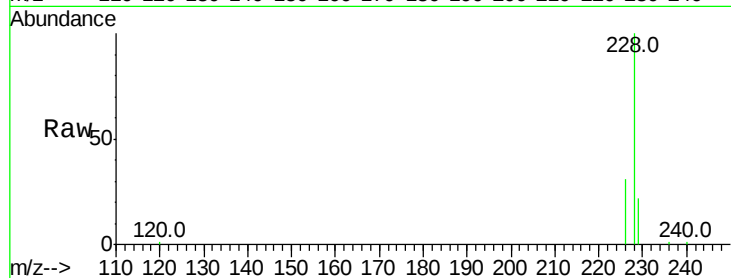
Tot Ion:228 Resp: 81607

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

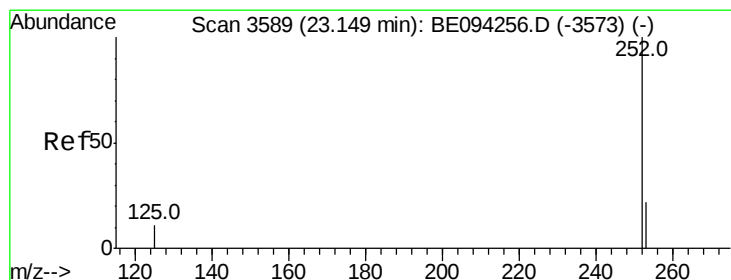
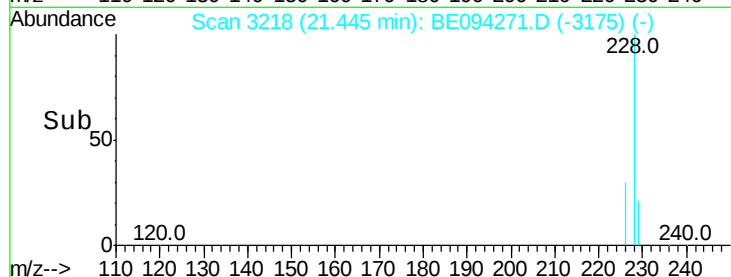
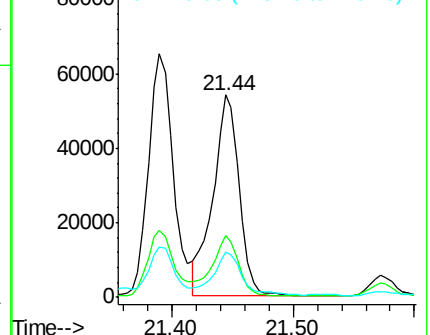
229 22.1 17.7 26.5



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: 3.475 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

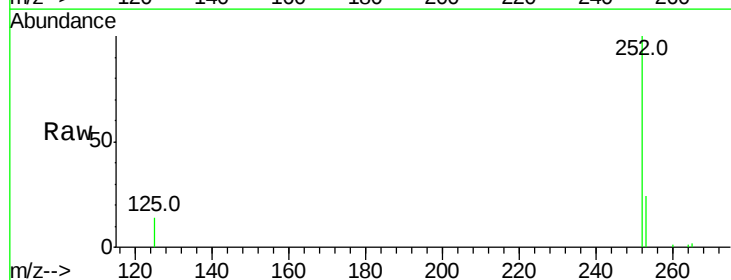
Tgt Ion:252 Resp: 135898

Ion Ratio Lower Upper

252 100

253 24.0 0.0 64.2

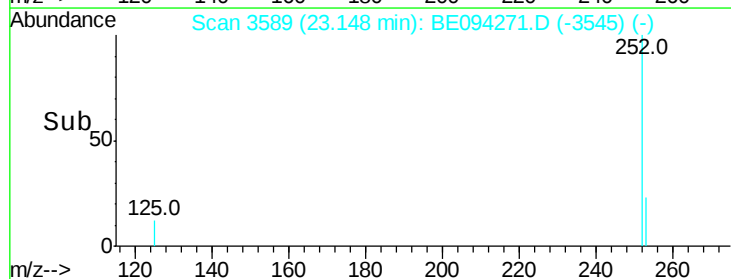
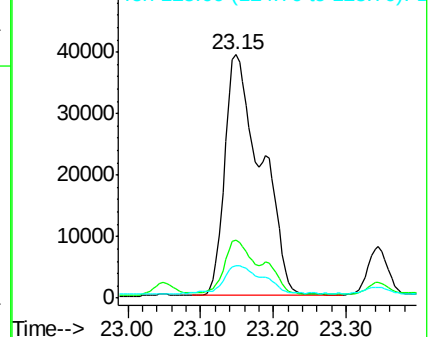
125 13.5 0.0 35.0

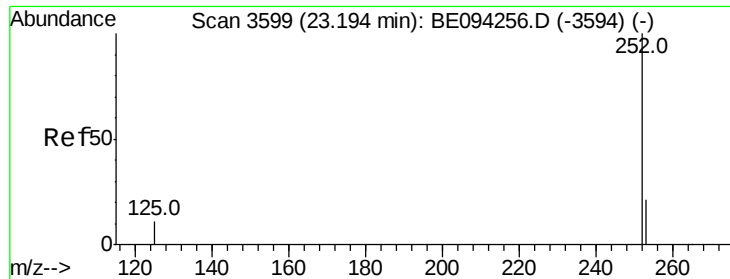


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.007 ng/ul

RT: 23.15 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :

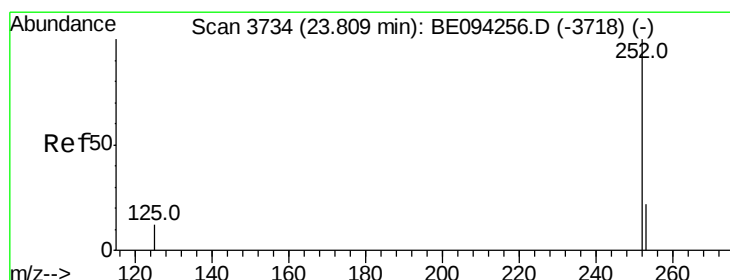
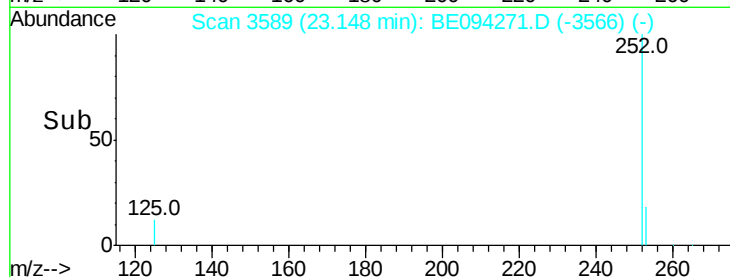
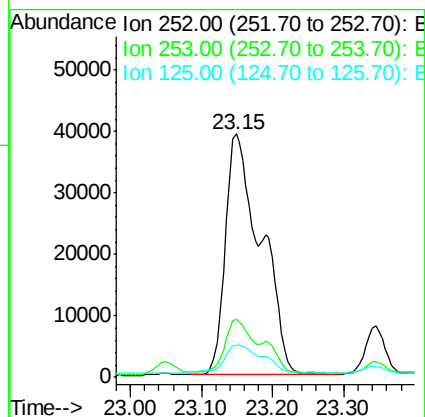
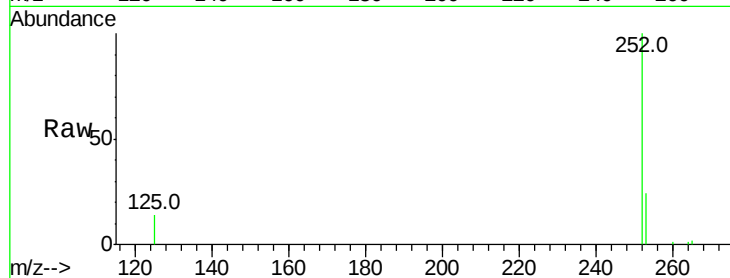
Tot Ion:252 Resp: 135933

Ion Ratio Lower Upper

252 100

253 24.0 24.5 36.7#

125 13.5 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 1.852 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

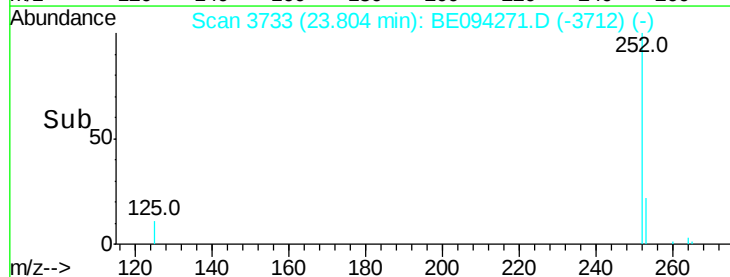
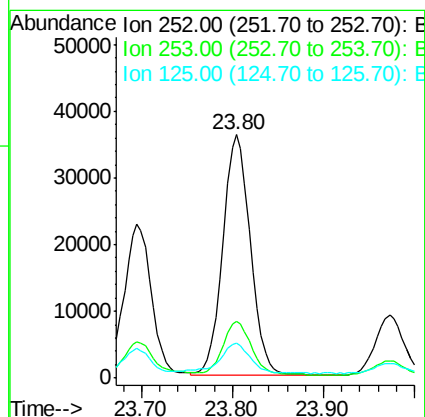
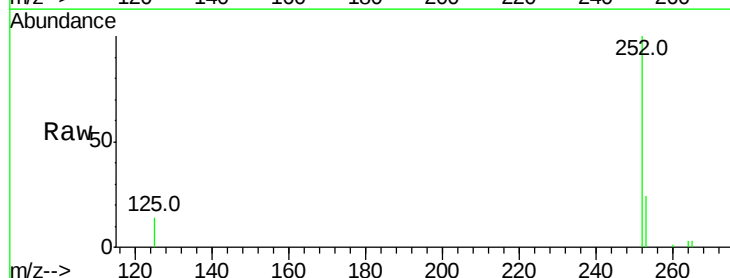
Tgt Ion:252 Resp: 75263

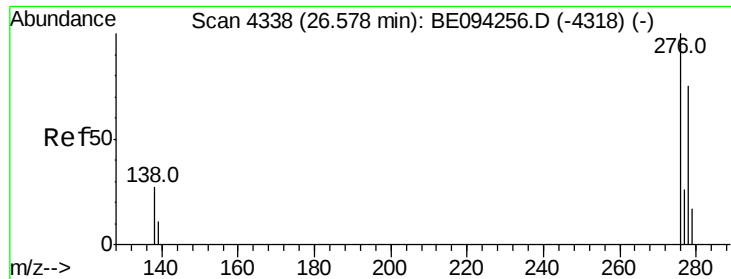
Ion Ratio Lower Upper

252 100

253 23.5 28.5 42.7#

125 14.4 18.1 27.1#



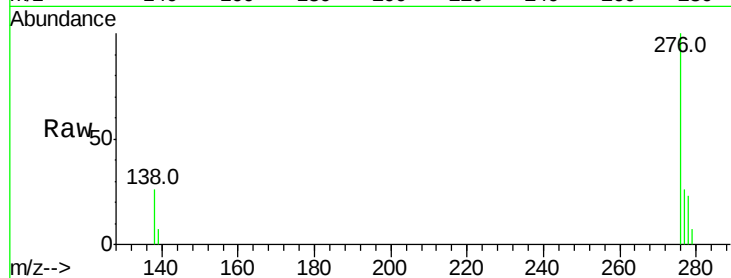


#24

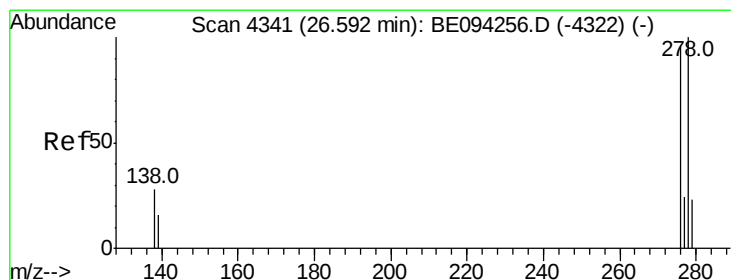
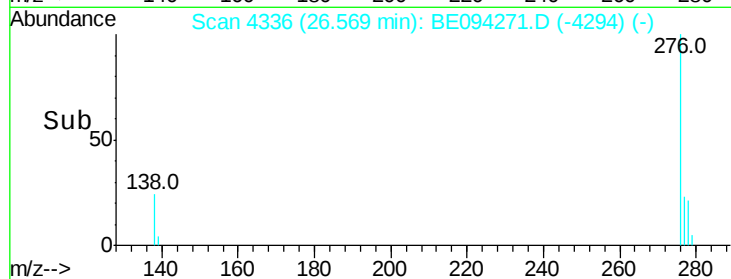
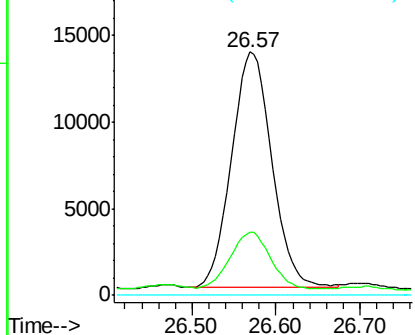
Indeno(1,2,3-cd)pyrene
Concen: 1.088 ng/ul
RT: 26.57 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BE094271.D
Acq: 11 Oct 2017 3:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 45250
Ion Ratio Lower Upper
276 100
138 24.1 28.0 42.0#
227 0.0 8.0 12.0#



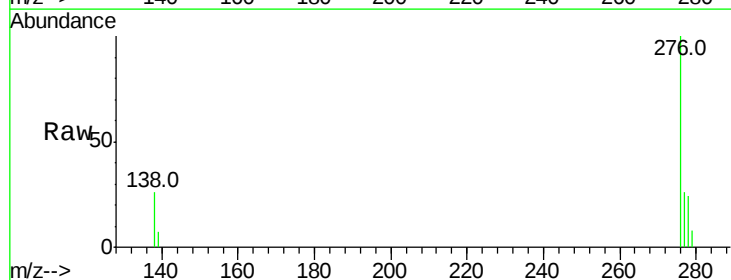
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



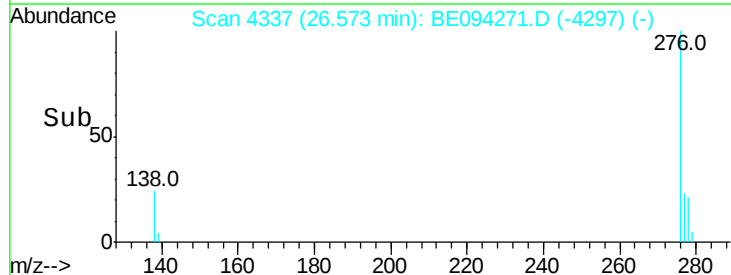
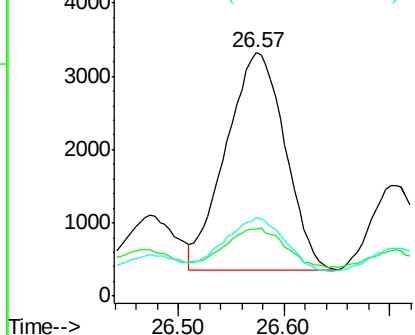
#25

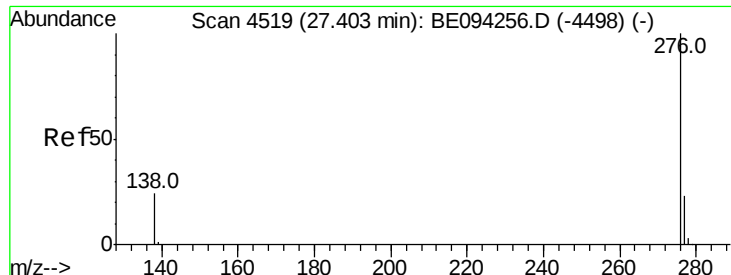
Dibenzo(a,h)anthracene
Concen: 0.329 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.02 min
Lab File: BE094271.D
Acq: 11 Oct 2017 3:27

Tgt Ion:278 Resp: 11486
Ion Ratio Lower Upper
278 100
139 27.6 17.4 26.0#
279 32.1 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: 1.108 ng/ul

RT: 27.40 min Scan# 4518

Delta R.T. -0.00 min

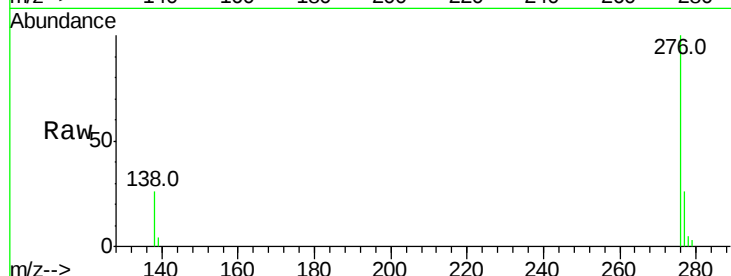
Lab File: BE094271.D

Acq: 11 Oct 2017 3:27

Instrument :

BNA_E

ClientSampleId :



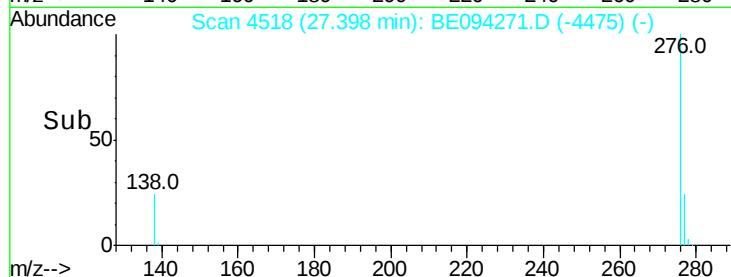
Tot Ion:276 Resp: 39734

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.8

277 26.2 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

