

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094266.D
 Acq On : 11 Oct 2017 00:22
 Operator : SJ/JU
 Sample : I5522-22DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:34:24 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

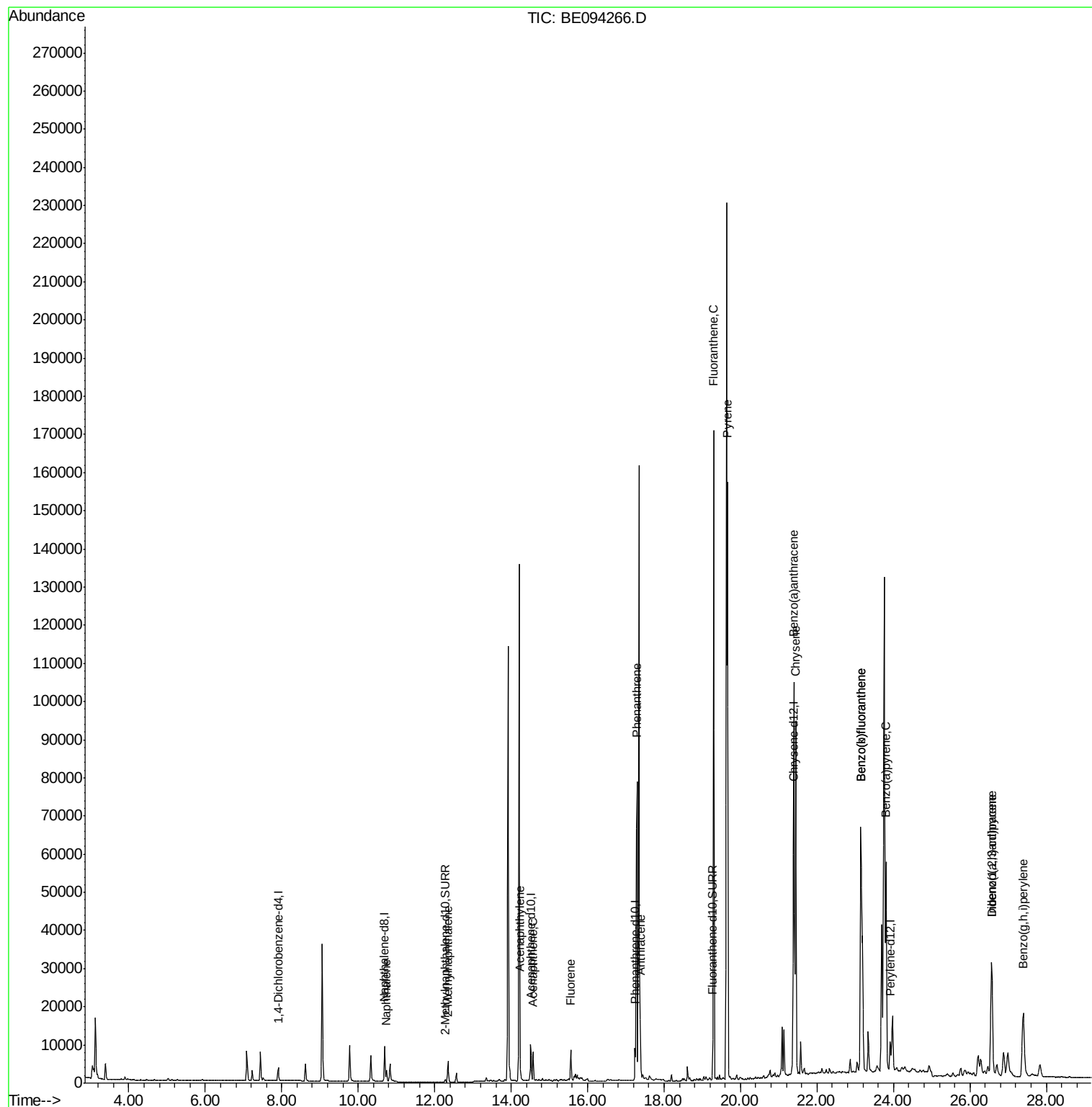
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1886	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9578	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5415	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11632	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12212	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	12789	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1099	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2584	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4489	0.191	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	5232	0.344	ng/ul	99
7) Acenaphthylene	14.24	152	2750	0.130	ng/ul#	94
8) Acenaphthene	14.57	153	4486	0.258	ng/ul	98
9) Fluorene	15.56	166	5042	0.248	ng/ul	94
12) Phenanthrene	17.29	178	116229	3.824	ng/ul#	92
13) Anthracene	17.38	178	17925	0.606	ng/ul#	92
15) Fluoranthene	19.30	202	190873	4.779	ng/ul	84
17) Pyrene	19.66	202	172889	5.088	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	93352	2.882	ng/ul#	87
19) Chrysene	21.44	228	96451	2.578	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	163986	4.720	ng/ul	87
22) Benzo(k)fluoranthene	23.15	252	163986	4.084	ng/ul#	89
23) Benzo(a)pyrene	23.80	252	82712	2.291	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.57	276	54974	1.489	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.57	278	14834	0.479	ng/ul#	94
26) Benzo(a,h,i)perylene	27.39	276	44091	1.384	ng/ul	99

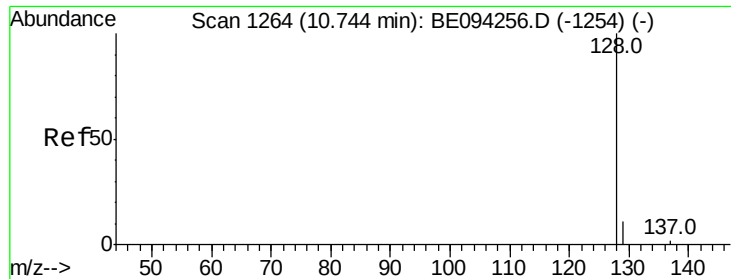
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.191 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

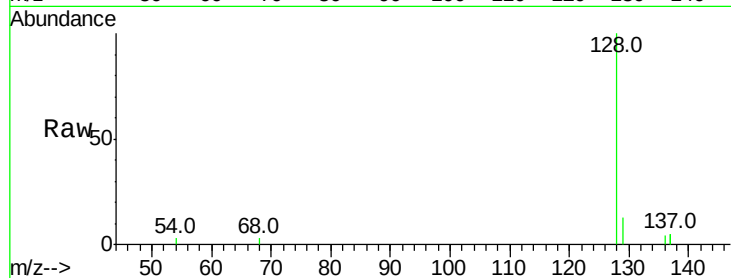
Tot Ion:128 Resp: 4489

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

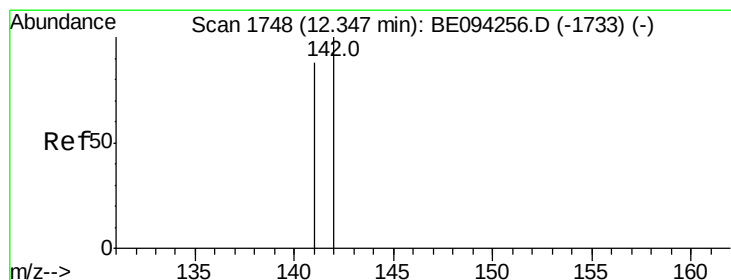
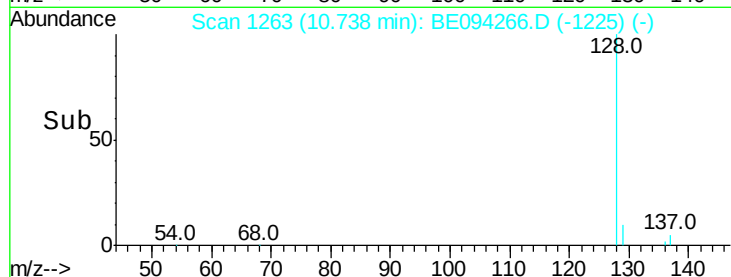
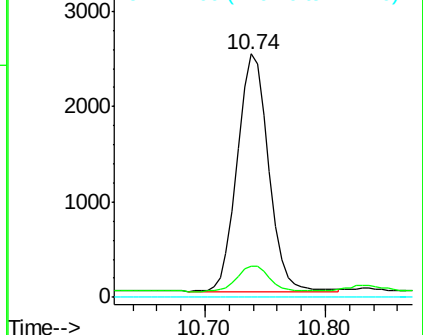
127 0.0 4.0 6.0#



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: 0.344 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BE094266.D

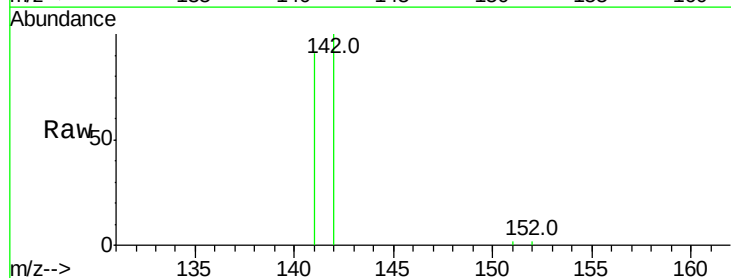
Acq: 11 Oct 2017 00:22

Tgt Ion:142 Resp: 5232

Ion Ratio Lower Upper

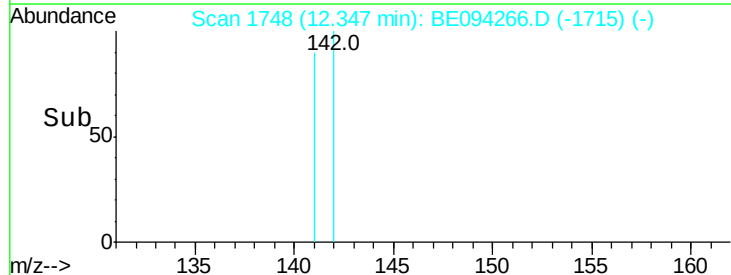
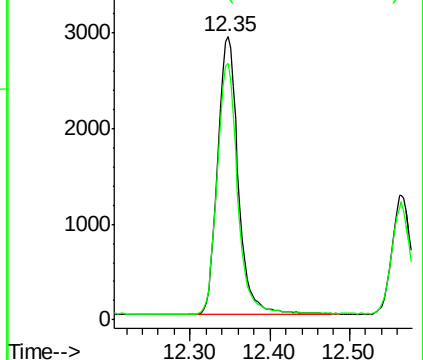
142 100

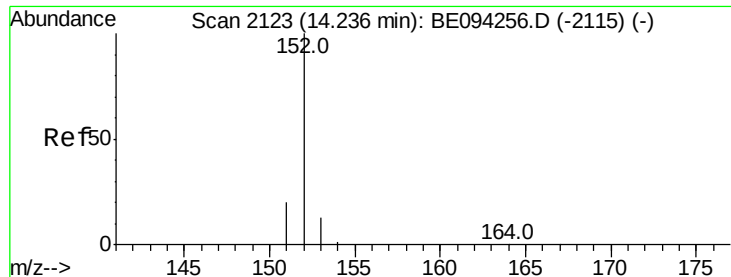
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.130 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

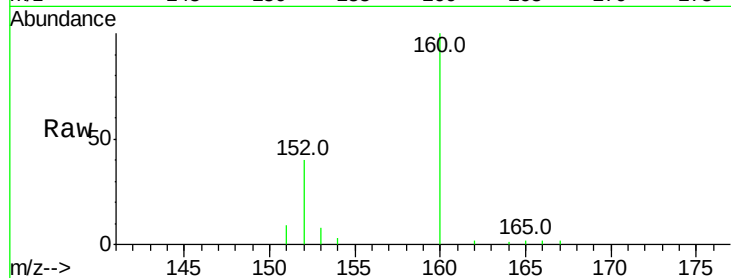
Tot Ion:152 Resp: 2750

Ion Ratio Lower Upper

152 100

151 23.6 17.1 25.7

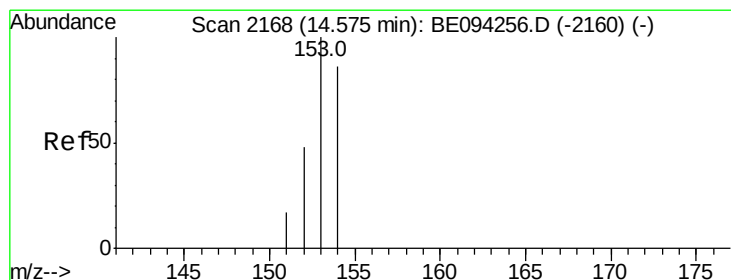
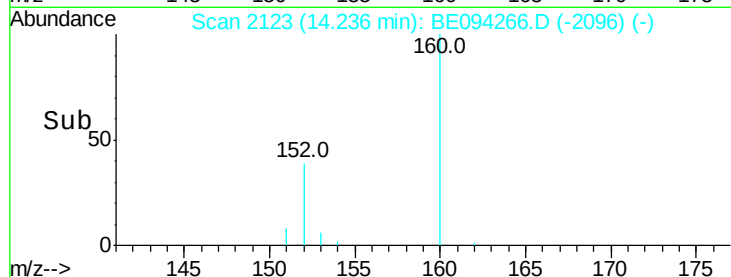
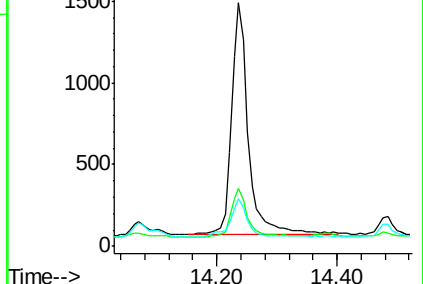
153 19.5 12.8 19.2#



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: 0.258 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

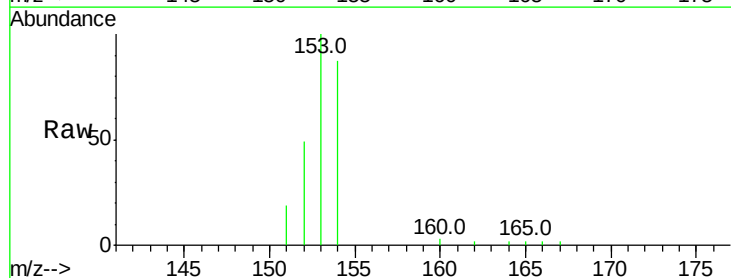
Tgt Ion:153 Resp: 4486

Ion Ratio Lower Upper

153 100

152 48.6 40.3 60.5

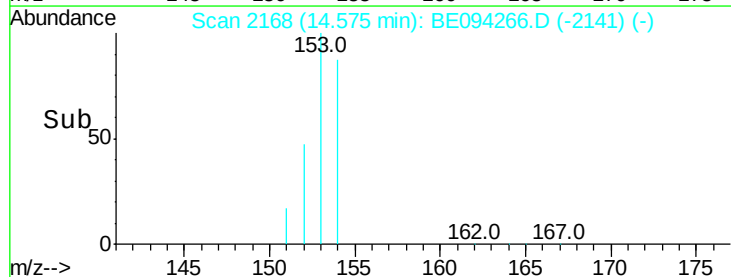
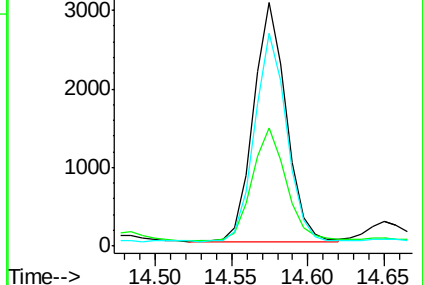
154 87.2 71.4 107.2

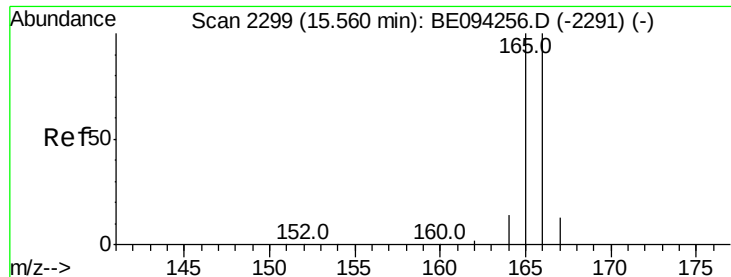


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.248 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

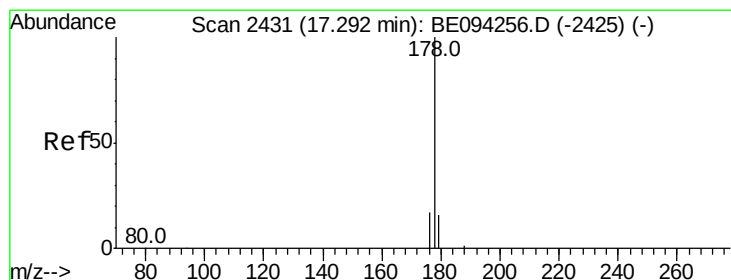
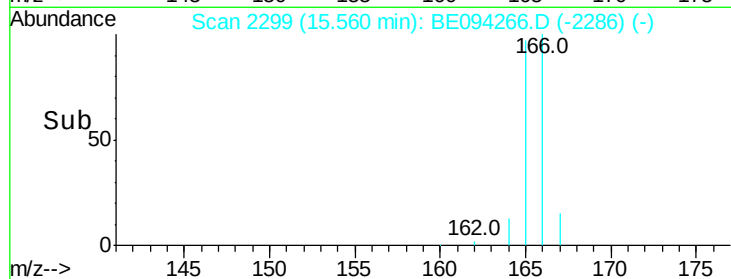
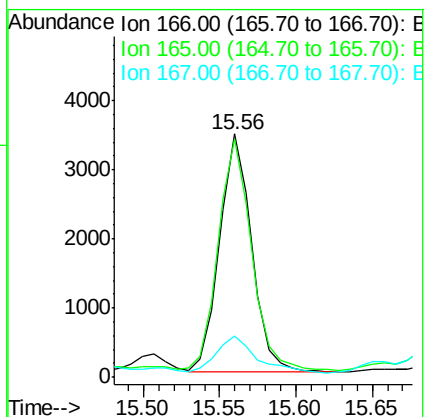
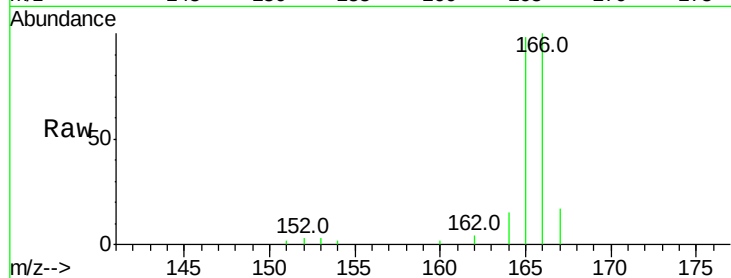
Tot Ion:166 Resp: 5042

Ion Ratio Lower Upper

166 100

165 98.0 73.4 110.2

167 16.9 14.6 22.0



#12

Phenanthrene

Concen: 3.824 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

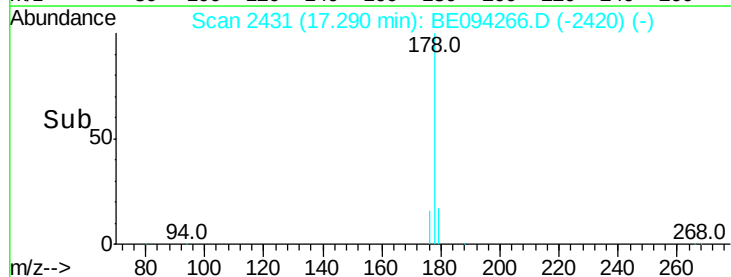
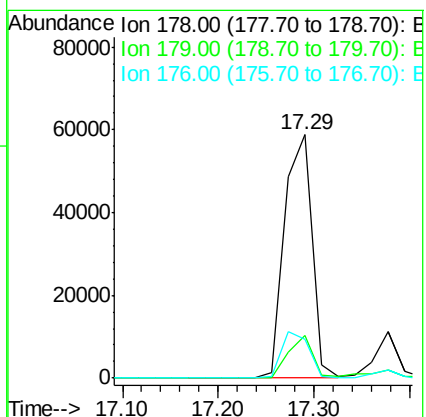
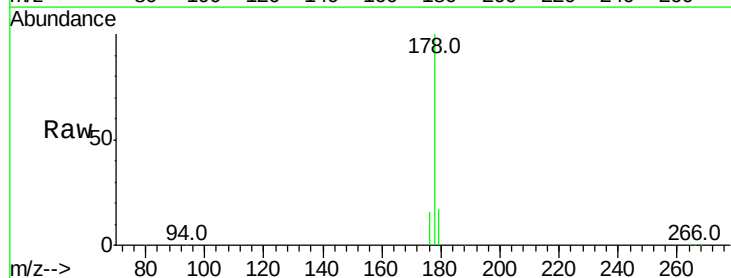
Tgt Ion:178 Resp: 116229

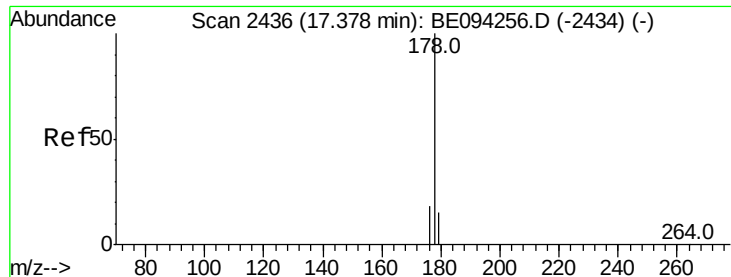
Ion Ratio Lower Upper

178 100

179 17.5 18.4 27.6#

176 16.0 13.6 20.4





#13

Anthracene

Concen: 0.606 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

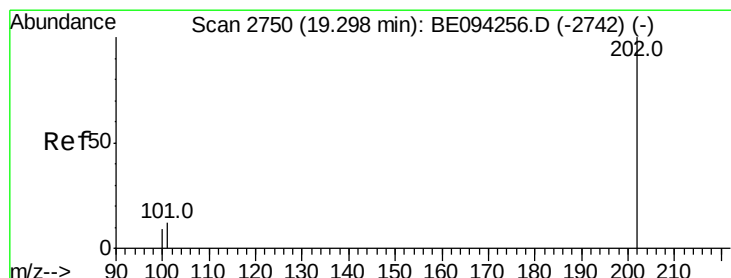
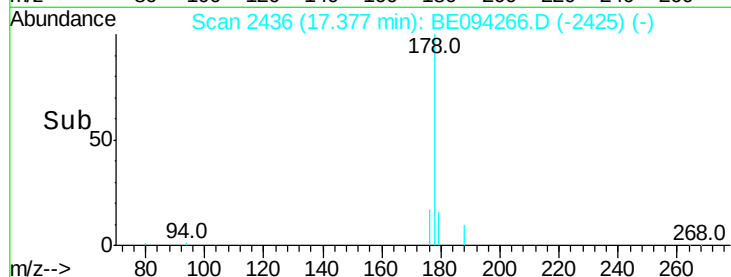
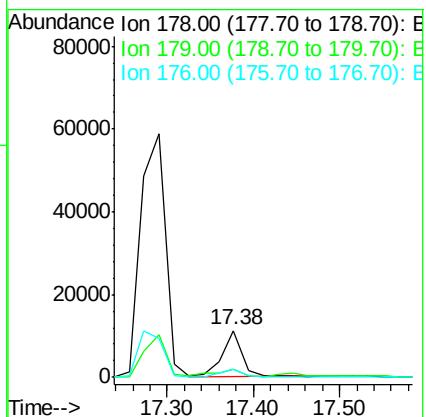
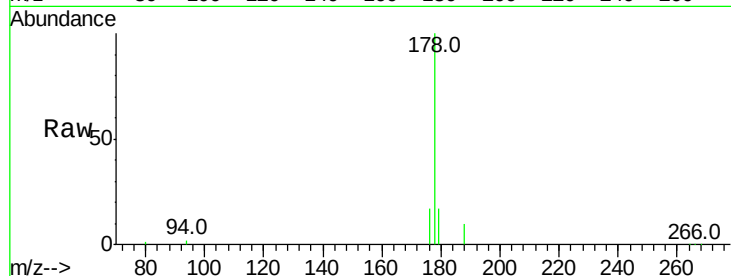
Tot Ion:178 Resp: 17925

Ion Ratio Lower Upper

178 100

179 16.9 18.1 27.1#

176 17.1 14.7 22.1



#15

Fluoranthene

Concen: 4.779 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

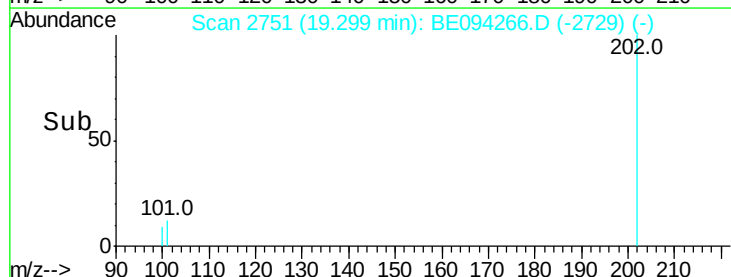
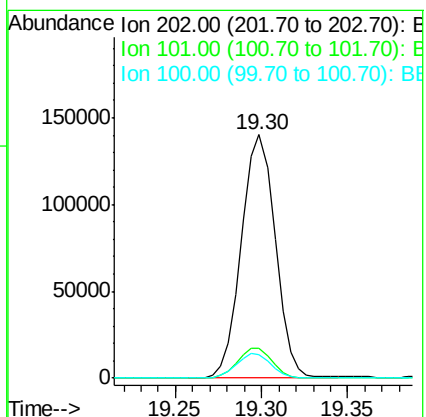
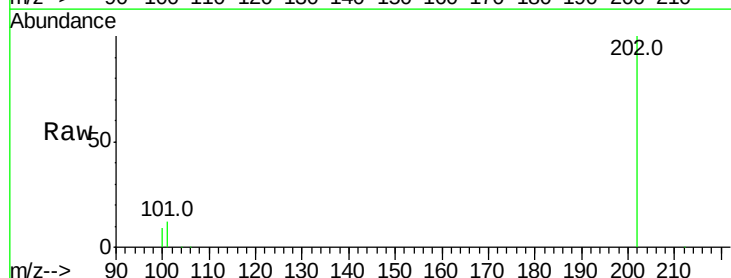
Tgt Ion:202 Resp: 190873

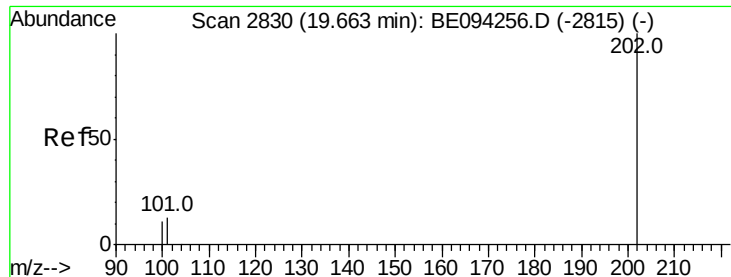
Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.3

100 9.5 0.0 39.5





#17

Pvrene

Concen: 5.088 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

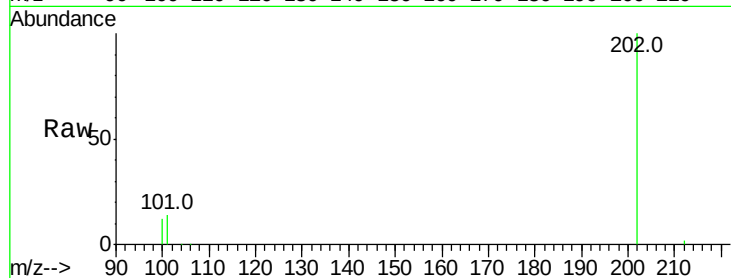
Tot Ion:202 Resp: 172889

Ion Ratio Lower Upper

202 100

101 14.4 18.2 27.4#

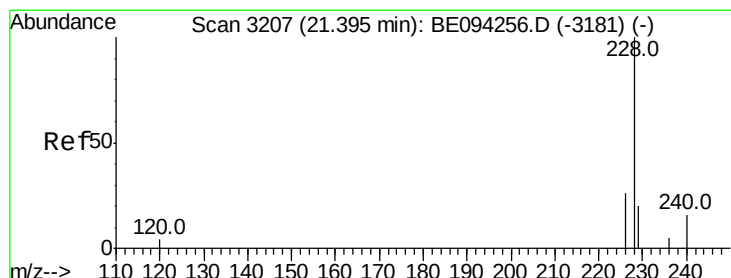
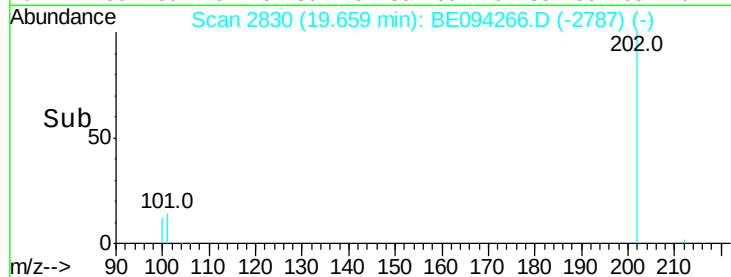
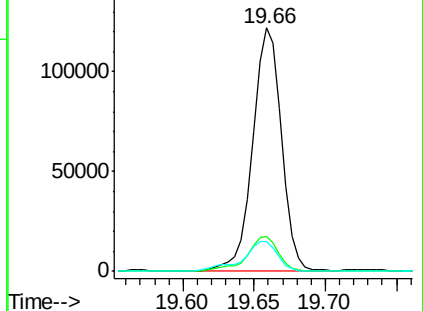
100 12.4 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 2.882 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

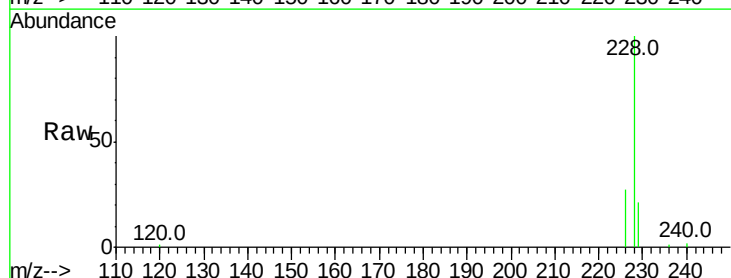
Tgt Ion:228 Resp: 93352

Ion Ratio Lower Upper

228 100

229 21.1 22.8 34.2#

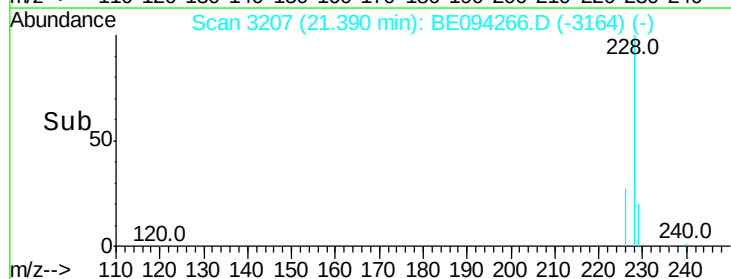
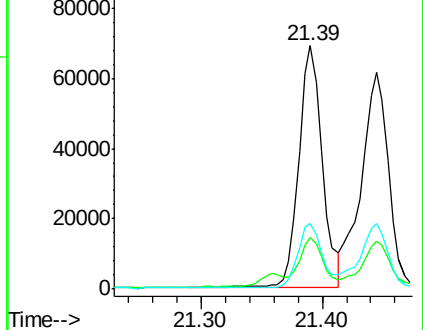
226 27.1 17.0 25.6#

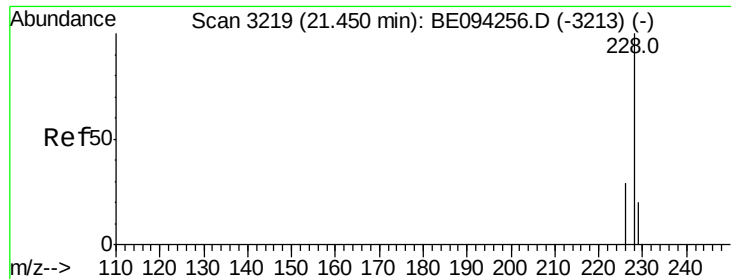


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.578 ng/ul

RT: 21.44 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

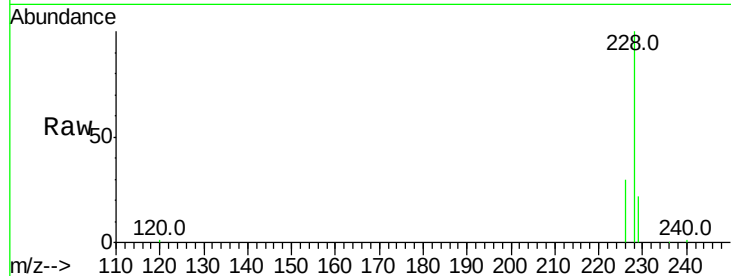
Tot Ion:228 Resp: 96451

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

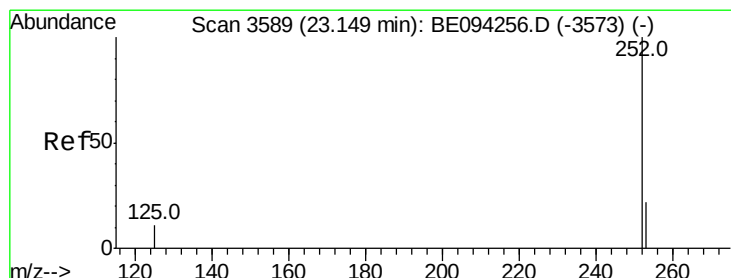
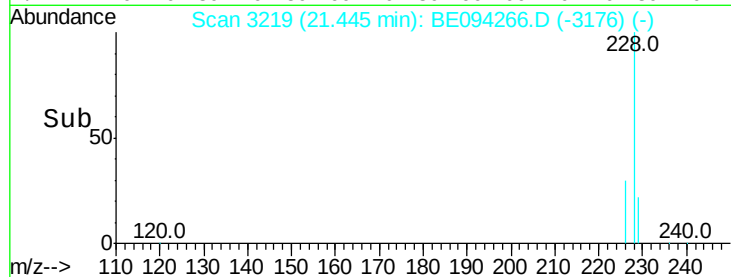
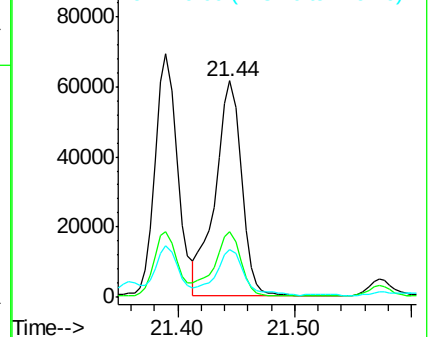
229 22.3 17.7 26.5



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: 4.720 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

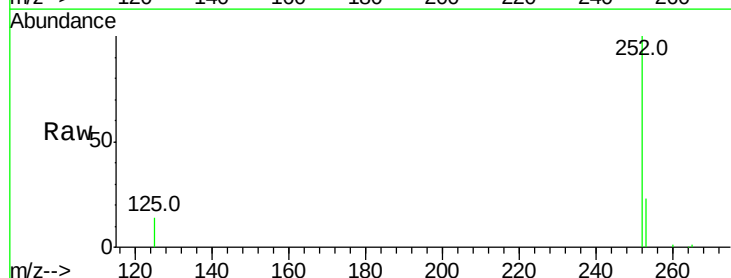
Tgt Ion:252 Resp: 163986

Ion Ratio Lower Upper

252 100

253 23.4 0.0 64.2

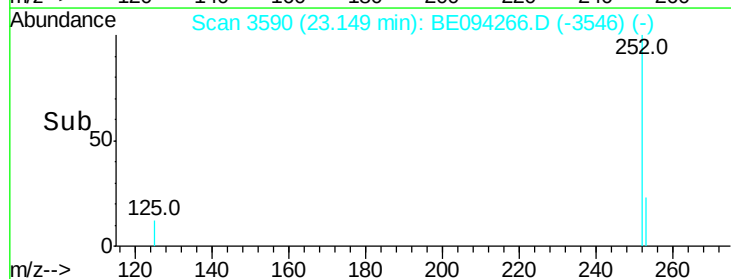
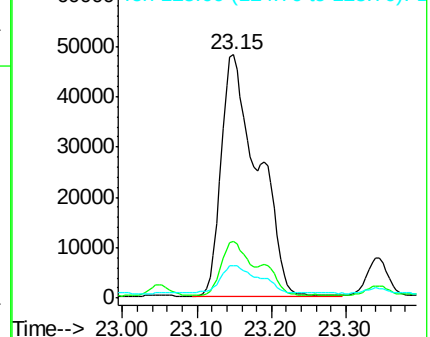
125 13.5 0.0 35.0

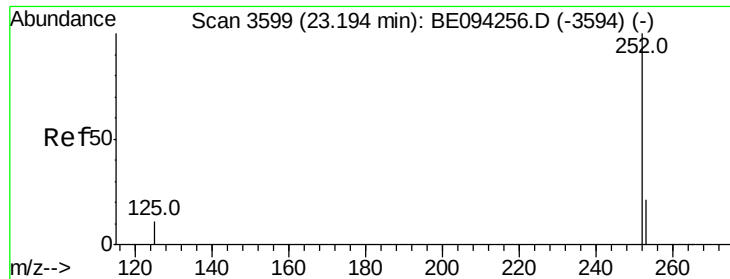


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.084 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. -0.05 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :

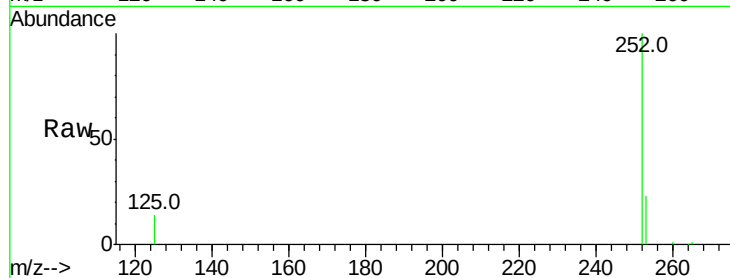
Tot Ion:252 Resp: 163986

Ion Ratio Lower Upper

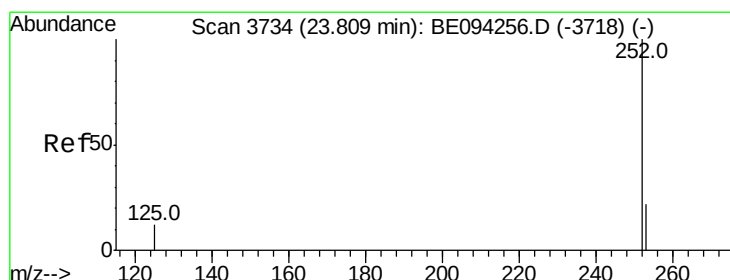
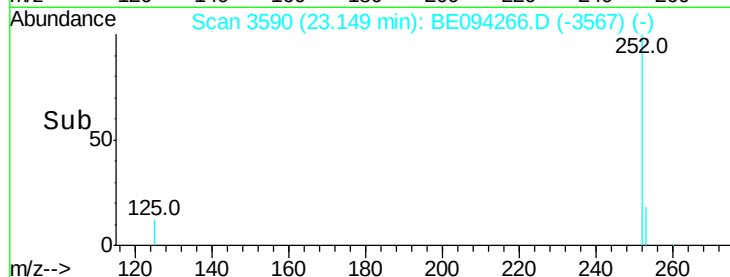
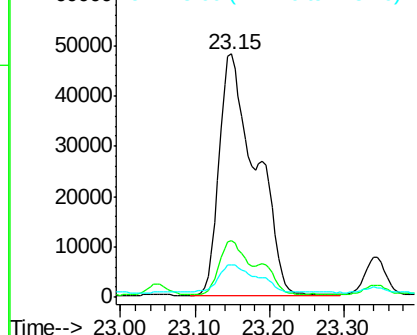
252 100

253 23.4 24.5 36.7#

125 13.5 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: 2.291 ng/ul

RT: 23.80 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

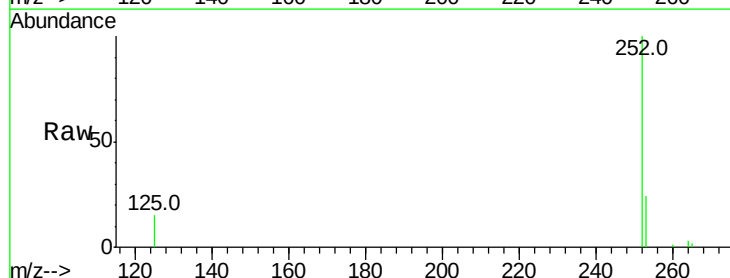
Tgt Ion:252 Resp: 82712

Ion Ratio Lower Upper

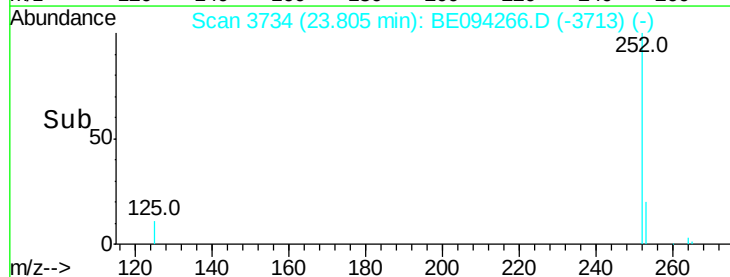
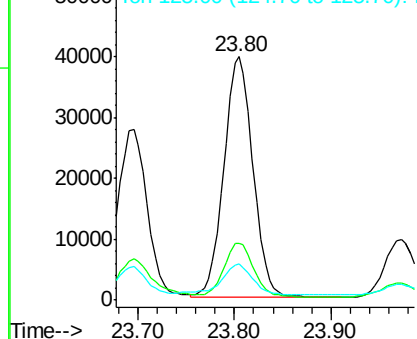
252 100

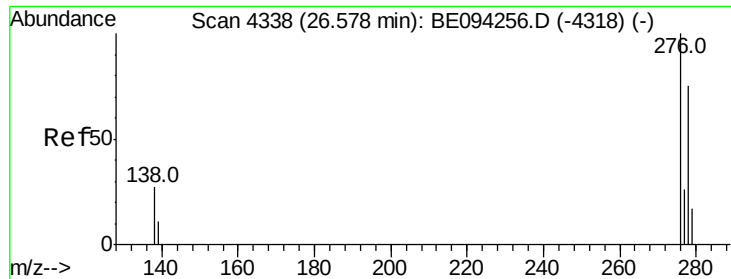
253 23.6 28.5 42.7#

125 14.7 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



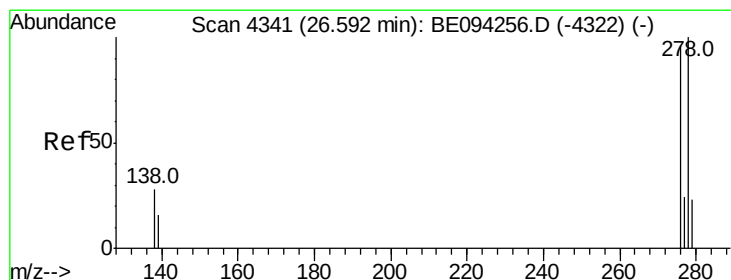
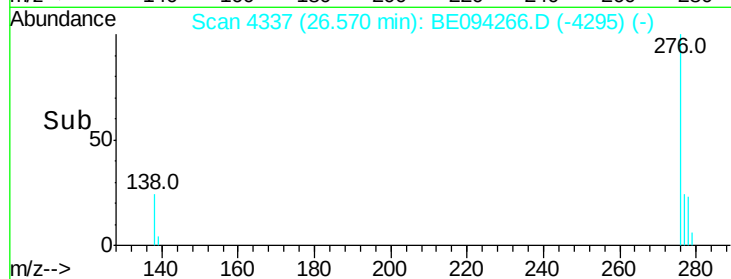
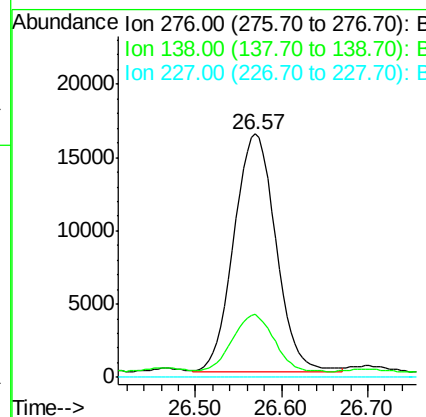
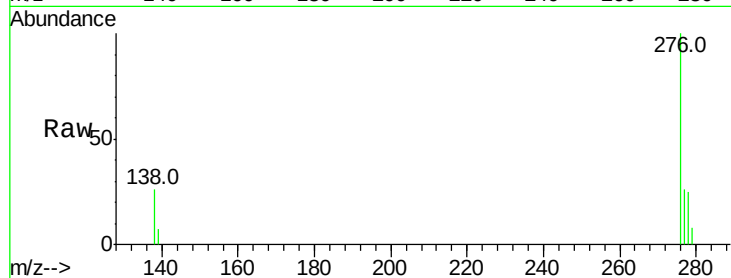


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.489 ng/ul
RT: 26.57 min Scan# 4337
Delta R.T. -0.01 min
Lab File: BE094266.D
Acq: 11 Oct 2017 00:22

Instrument :
BNA_E
ClientSampleId :

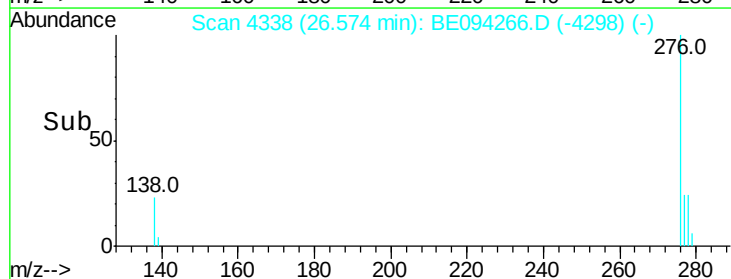
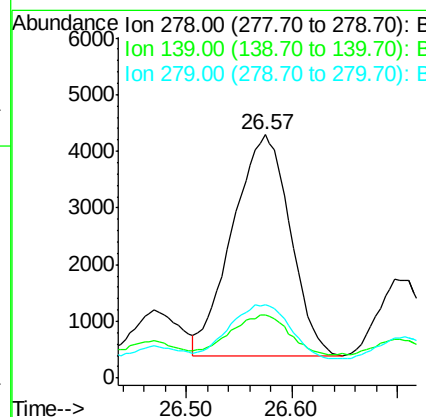
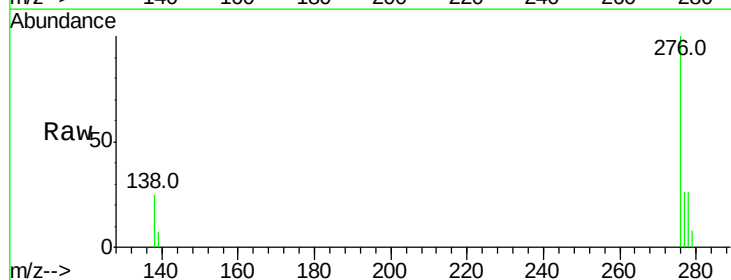
Tot Ion:276 Resp: 54974
Ion Ratio Lower Upper
276 100
138 23.7 28.0 42.0#
227 0.0 8.0 12.0#

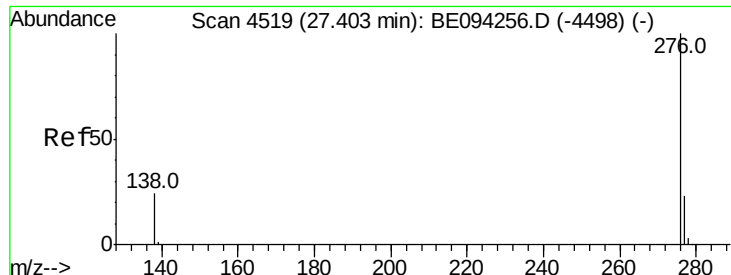


#25

Dibenzo(a,h)anthracene
Concen: 0.479 ng/ul
RT: 26.57 min Scan# 4338
Delta R.T. -0.02 min
Lab File: BE094266.D
Acq: 11 Oct 2017 00:22

Tgt Ion:278 Resp: 14834
Ion Ratio Lower Upper
278 100
139 26.1 17.4 26.0#
279 30.2 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.384 ng/ul

RT: 27.39 min Scan# 4518

Delta R.T. -0.01 min

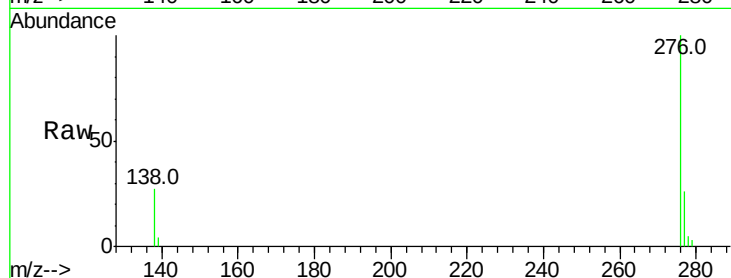
Lab File: BE094266.D

Acq: 11 Oct 2017 00:22

Instrument :

BNA_E

ClientSampleId :



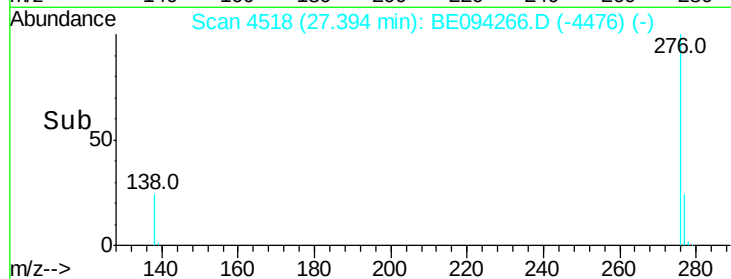
Tot Ion:276 Resp: 44091

Ion Ratio Lower Upper

276 100

138 26.7 21.8 32.8

277 25.8 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

