

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094335.D
 Acq On : 13 Oct 2017 22:26
 Operator : SJ/JU
 Sample : I5568-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 04:02:11 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
 Response via : Initial Calibration

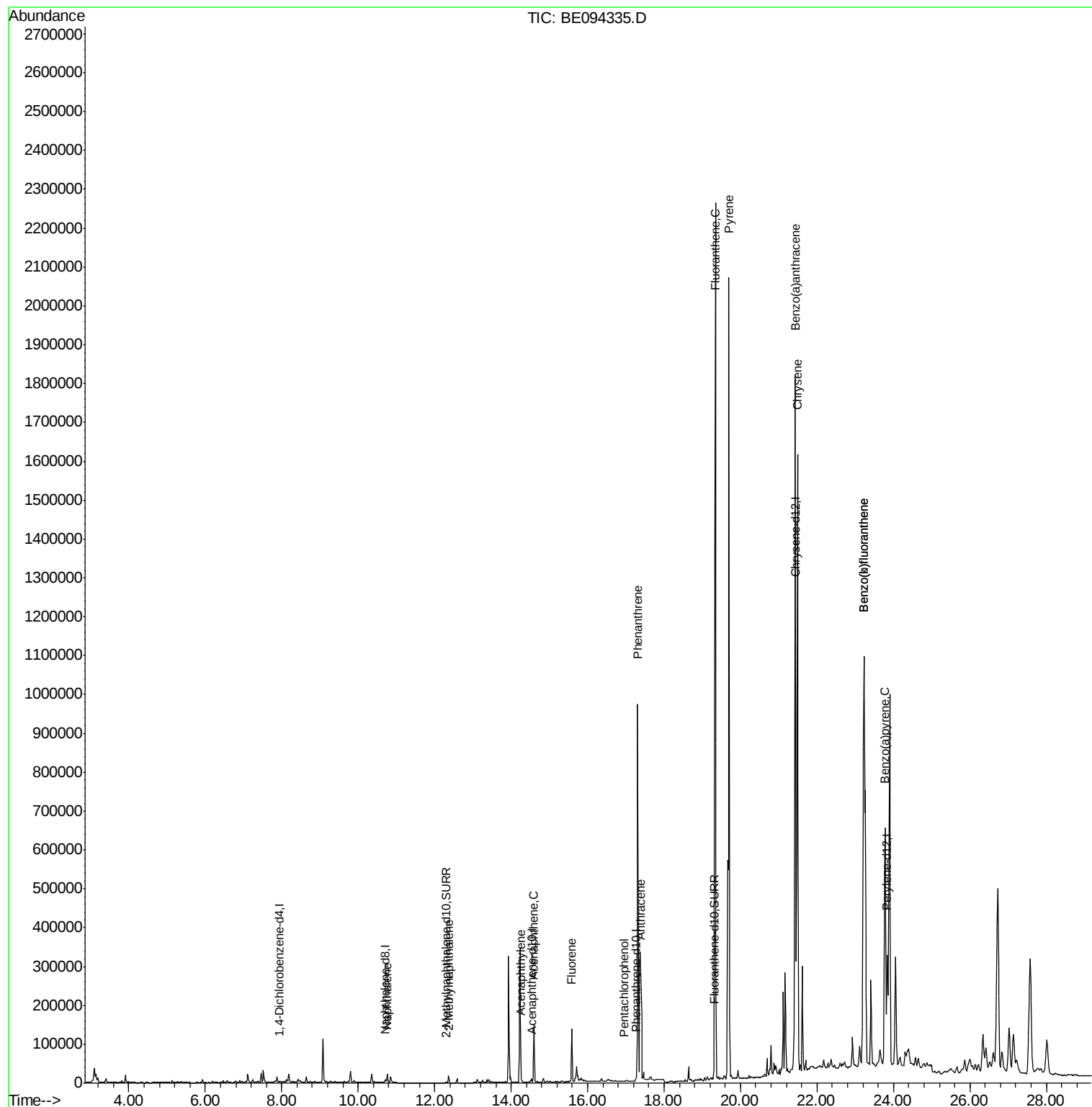
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1904	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	9241	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	5672	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10763	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	9372	0.40	ng/ul	0.00
20) Perylene-d12	23.84	264	431402	0.40	ng/ul	-0.14
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	3181	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	6336	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	33353	1.474	ng/ul#	92
5) 2-Methylnaphthalene	12.37	142	17029	1.160	ng/ul	99
7) Acenaphthylene	14.26	152	7202	0.326	ng/ul#	83
8) Acenaphthene	14.60	153	88058	4.837	ng/ul	97
9) Fluorene	15.58	166	86058	4.037	ng/ul#	92
11) Pentachlorophenol	16.96	266	101	0.080	ng/ul#	80
12) Phenanthrene	17.31	178	1142651	40.627	ng/ul#	87
13) Anthracene	17.40	178	328469	12.008	ng/ul#	88
15) Fluoranthene	19.34	202	2785841	75.382	ng/ul	84
17) Pyrene	19.70	202	2460456	94.357	ng/ul#	82
18) Benzo(a)anthracene	21.43	228	1830025	73.605	ng/ul#	87
19) Chrysene	21.49	228	1685887	58.717	ng/ul	97
21) Benzo(b)fluoranthene	23.23	252	2112306	1.802	ng/ul	87
22) Benzo(k)fluoranthene	23.23	252	1974330	1.458	ng/ul#	89
23) Benzo(a)pyrene	23.78	252	1053360	0.865	ng/ul#	85

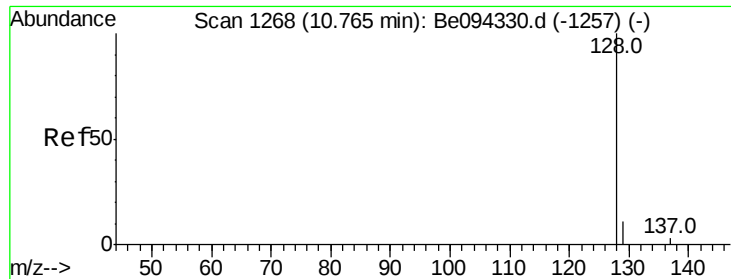
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.474 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampled :

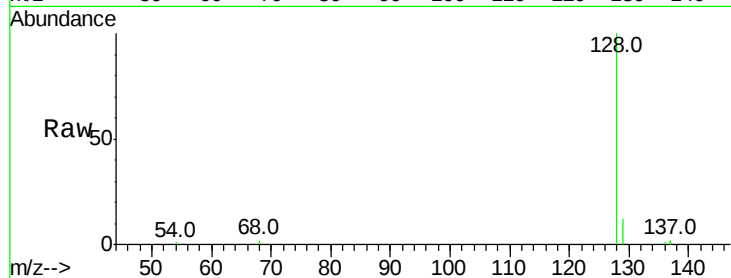
Tot Ion:128 Resp: 33353

Ion Ratio Lower Upper

128 100

129 11.9 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

10.76

25000

20000

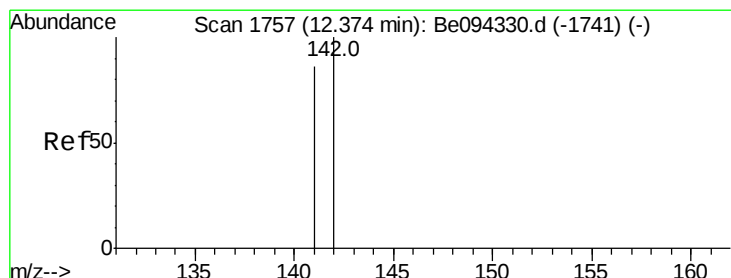
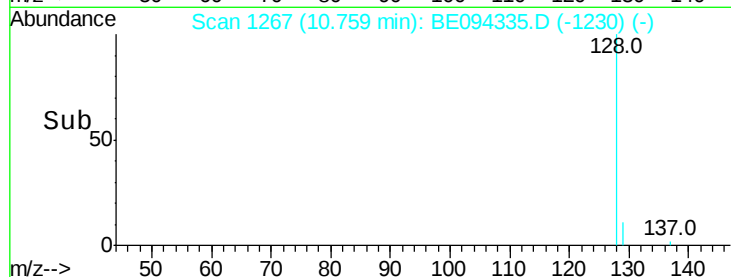
15000

10000

5000

0

Time-->



#5

2-Methylnaphthalene

Concen: 1.160 ng/ul

RT: 12.37 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BE094335.D

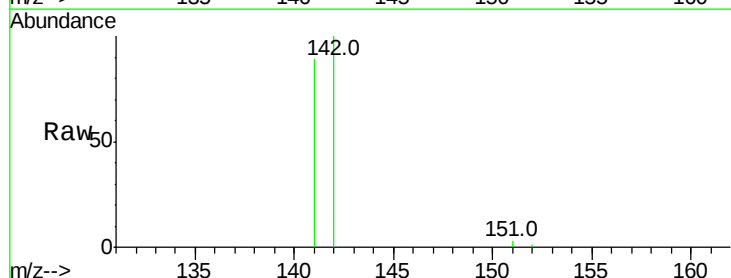
Acq: 13 Oct 2017 22:26

Tgt Ion:142 Resp: 17029

Ion Ratio Lower Upper

142 100

141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.37

12000

10000

8000

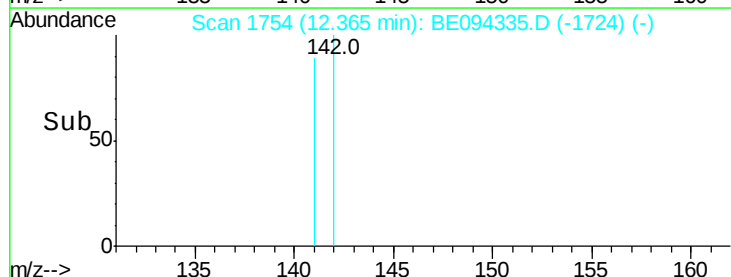
6000

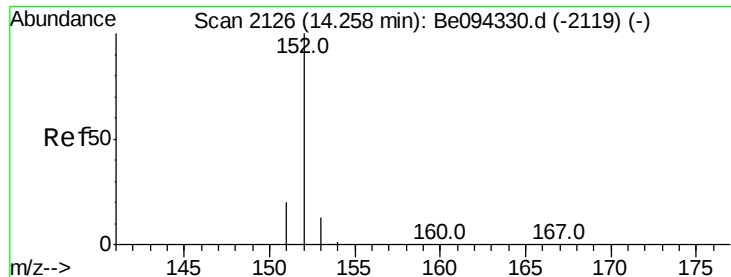
4000

2000

0

Time-->





#7

Acenaphthylene

Concen: 0.326 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

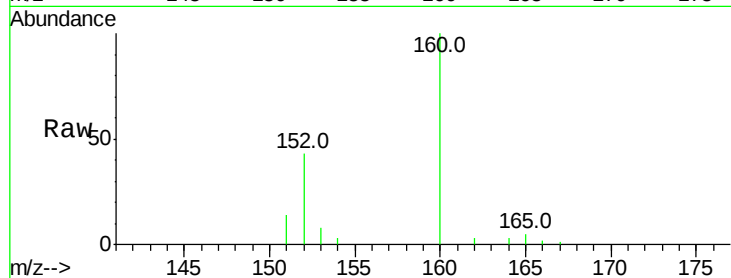
Tot Ion:152 Resp: 7202

Ion Ratio Lower Upper

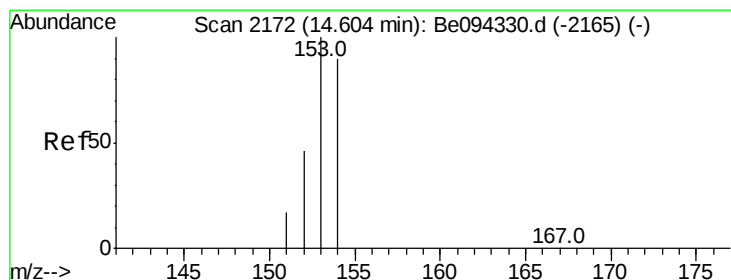
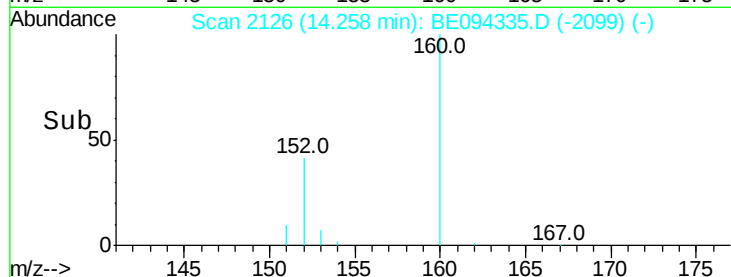
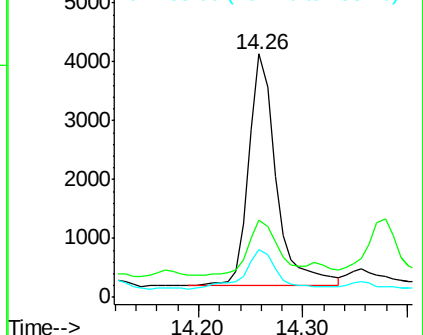
152 100

151 31.9 17.1 25.7#

153 19.9 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: 4.837 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

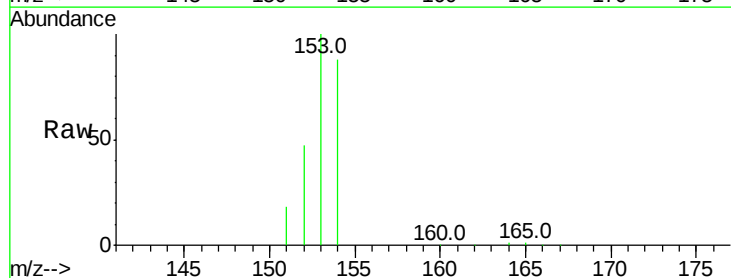
Tgt Ion:153 Resp: 88058

Ion Ratio Lower Upper

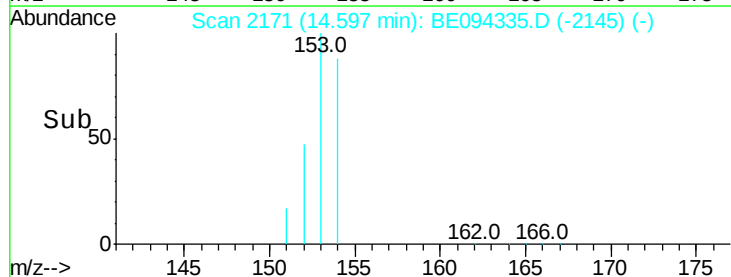
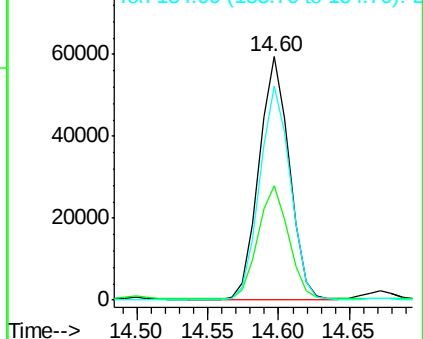
153 100

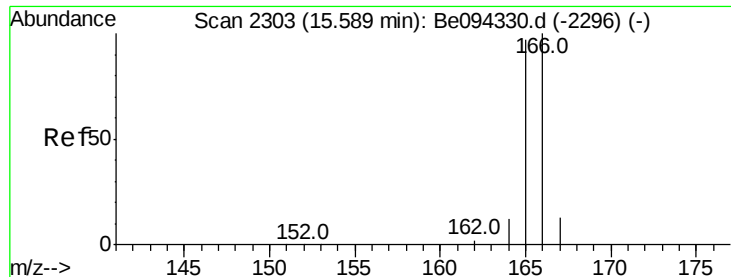
152 46.9 40.3 60.5

154 87.8 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: 4.037 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

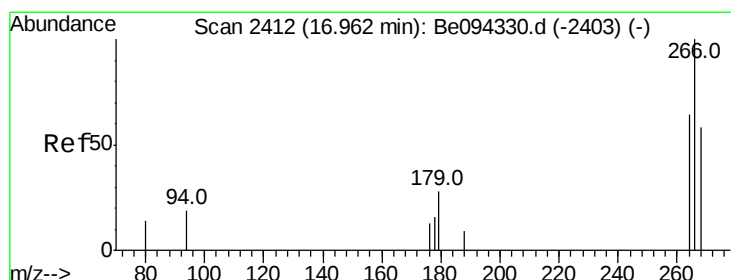
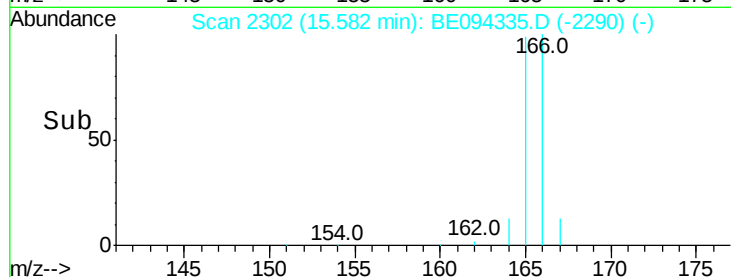
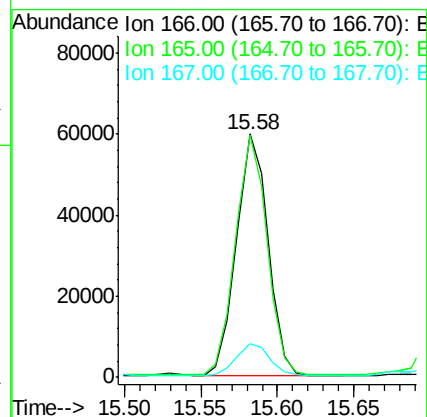
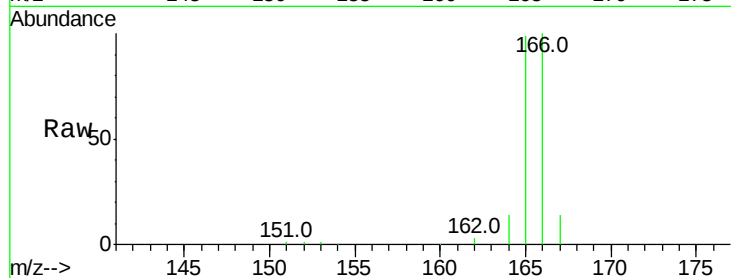
Tot Ion:166 Resp: 86058

Ion Ratio Lower Upper

166 100

165 99.3 73.4 110.2

167 14.0 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.080 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

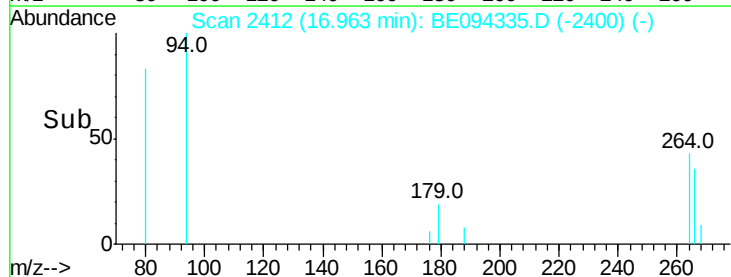
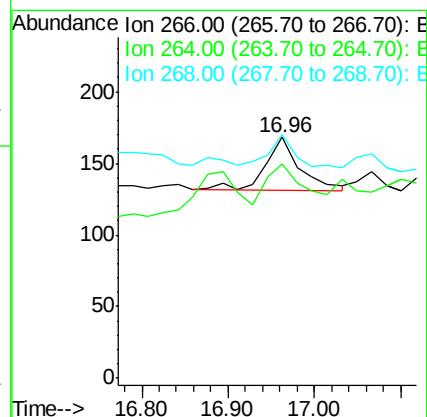
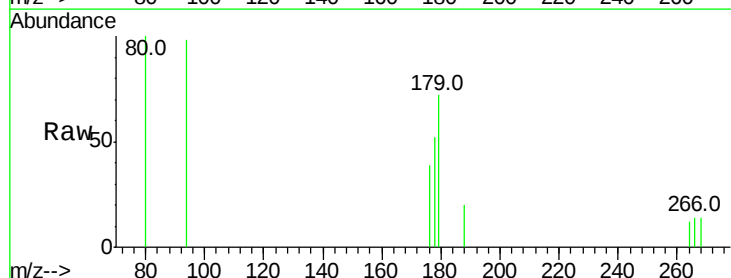
Tgt Ion:266 Resp: 101

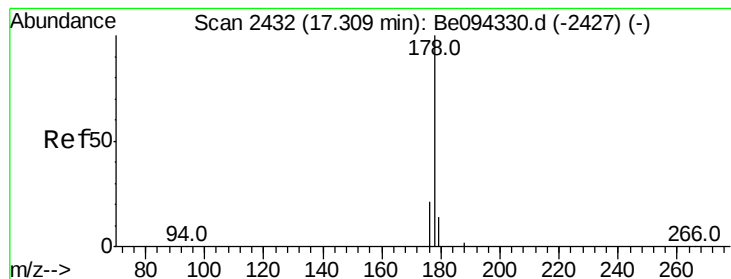
Ion Ratio Lower Upper

266 100

264 83.2 47.9 71.9#

268 54.5 49.8 74.8





#12

Phenanthrene

Concen: 40.627 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

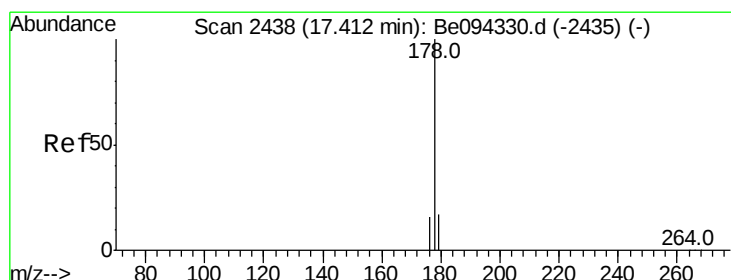
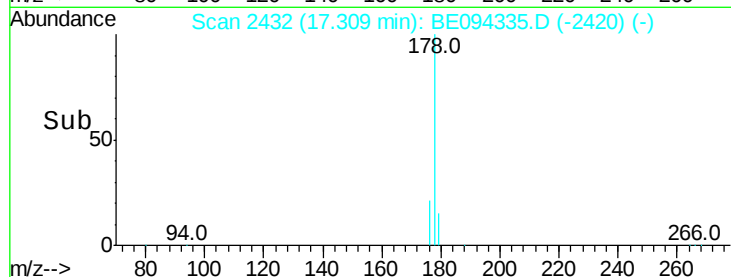
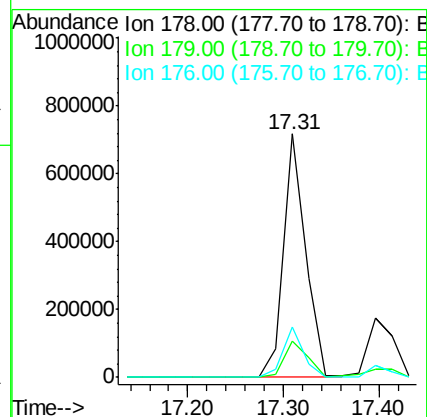
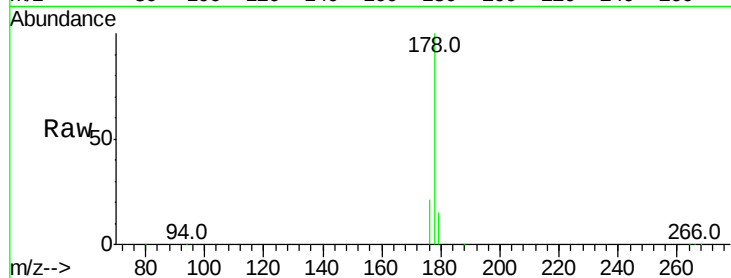
Tot Ion:178 Resp: 1142651

Ion Ratio Lower Upper

178 100

179 14.7 18.4 27.6#

176 20.7 13.6 20.4#



#13

Anthracene

Concen: 12.008 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

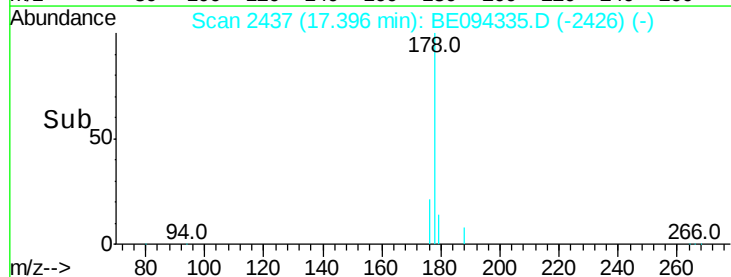
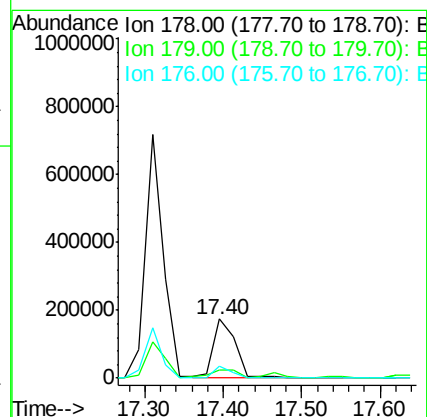
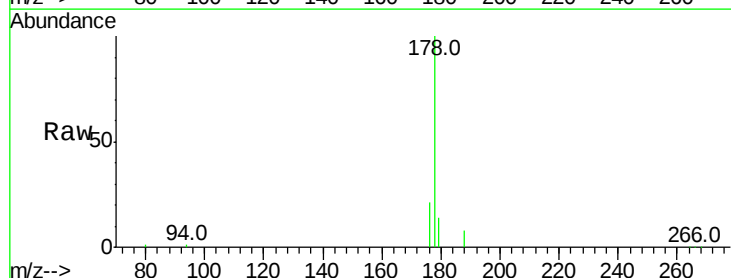
Tgt Ion:178 Resp: 328469

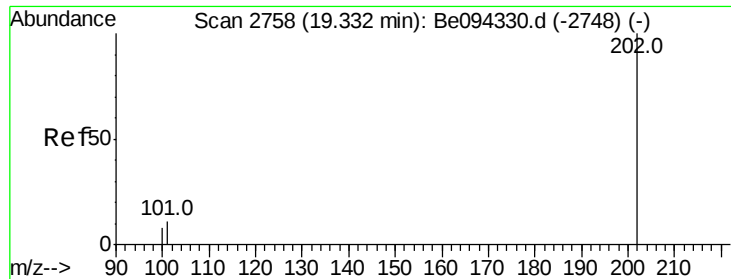
Ion Ratio Lower Upper

178 100

179 14.5 18.1 27.1#

176 21.1 14.7 22.1





#15

Fluoranthene

Concen: 75.382 ng/ul

RT: 19.34 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

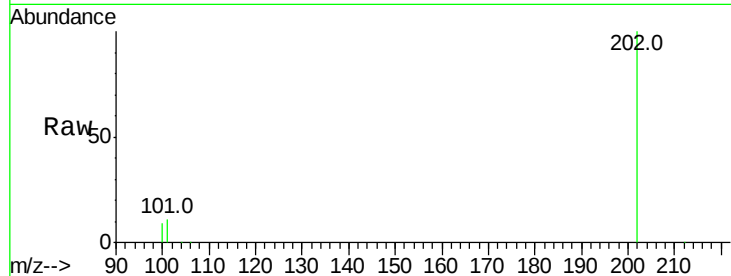
Tot Ion:202 Resp: 2785841

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

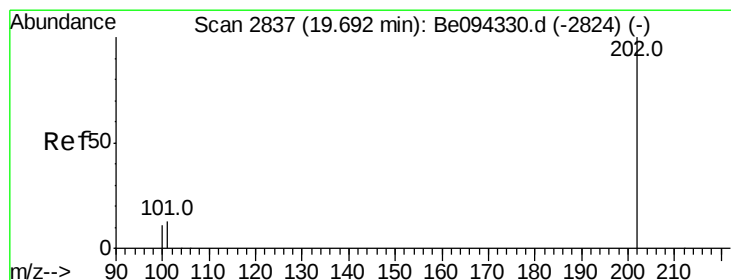
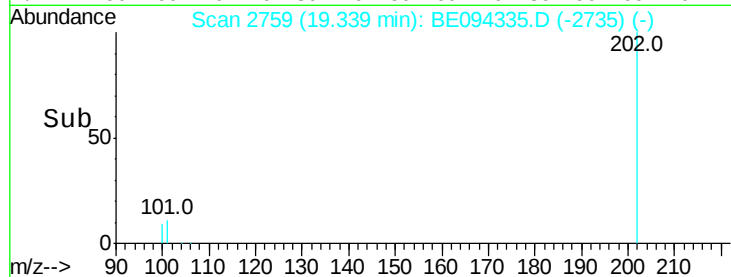
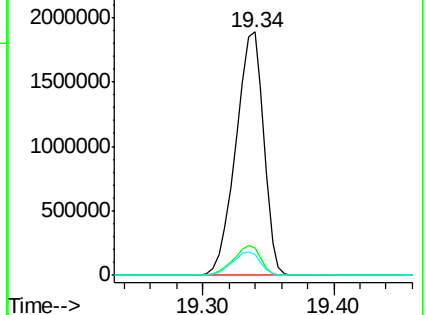
100 8.6 0.0 39.5



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): BE



#17

Pyrene

Concen: 94.357 ng/ul

RT: 19.70 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

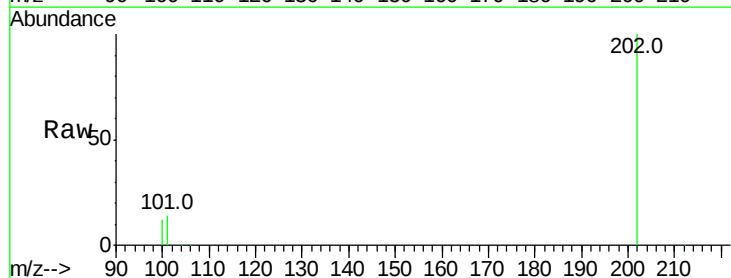
Tgt Ion:202 Resp: 2460456

Ion Ratio Lower Upper

202 100

101 13.7 18.2 27.4#

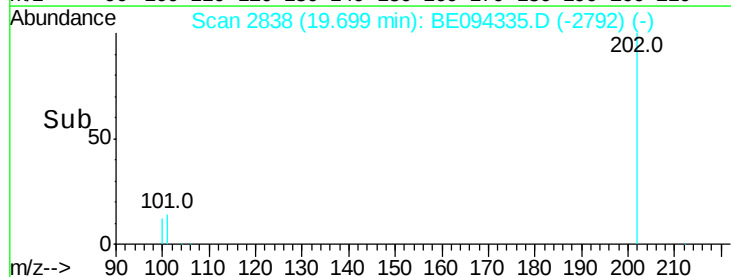
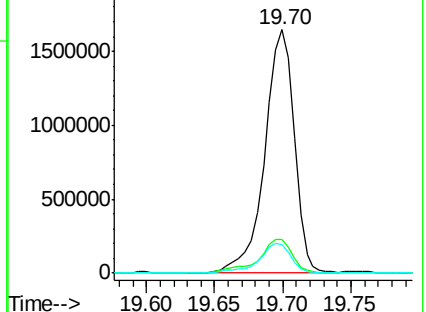
100 11.7 15.6 23.4#

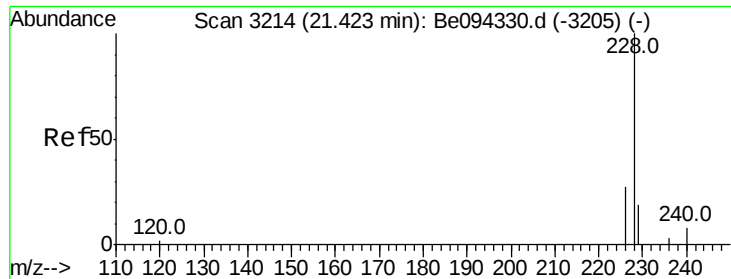


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

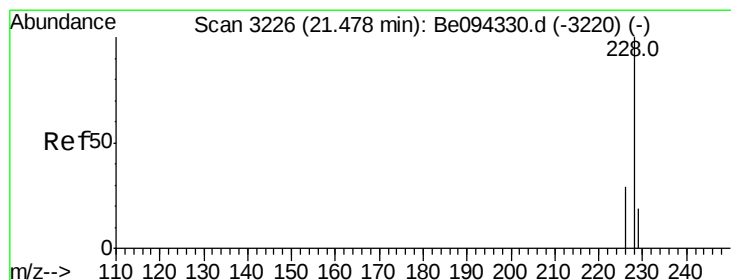
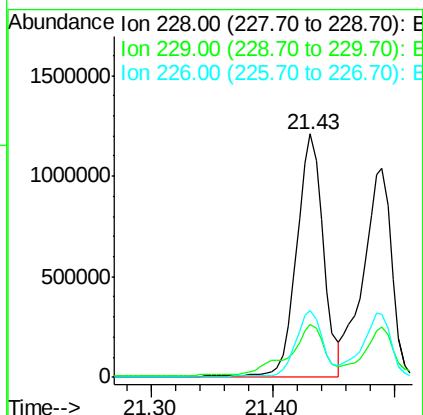
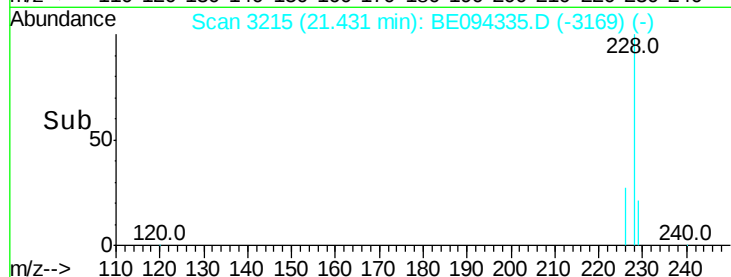
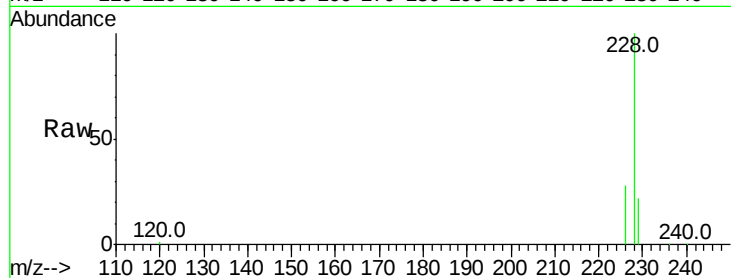




#18
Benzo(a)anthracene
Concen: 73.605 ng/ul
RT: 21.43 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BE094335.D
Acq: 13 Oct 2017 22:26

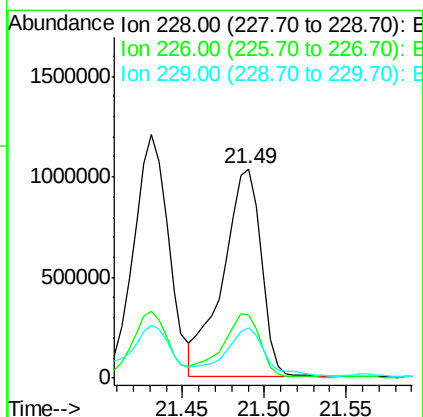
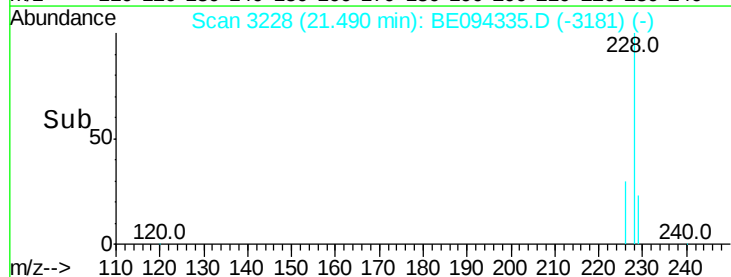
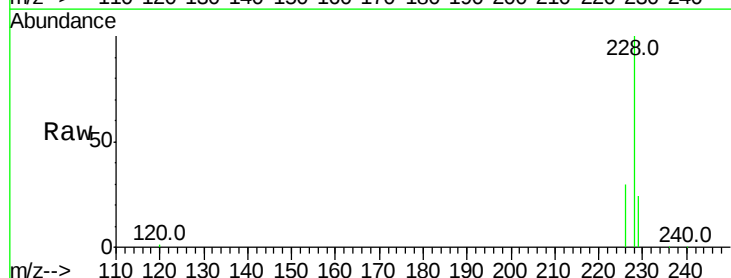
Instrument :
BNA_E
ClientSampleId :

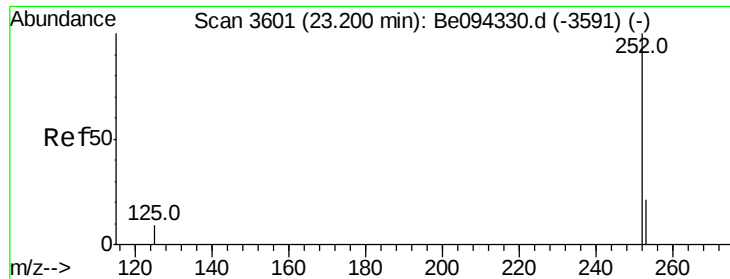
Tot Ion:228 Resp: 1830025
Ion Ratio Lower Upper
228 100
229 21.7 22.8 34.2#
226 27.7 17.0 25.6#



#19
Chrysene
Concen: 58.717 ng/ul
RT: 21.49 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BE094335.D
Acq: 13 Oct 2017 22:26

Tgt Ion:228 Resp: 1685887
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.0
229 23.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.802 ng/u1

RT: 23.23 min Scan# 3606

Delta R.T. 0.03 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

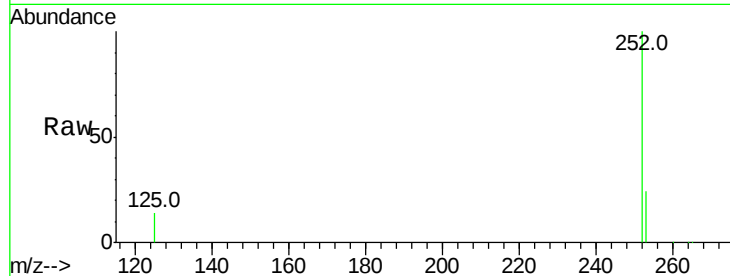
Tot Ion:252 Resp: 2112306

Ion Ratio Lower Upper

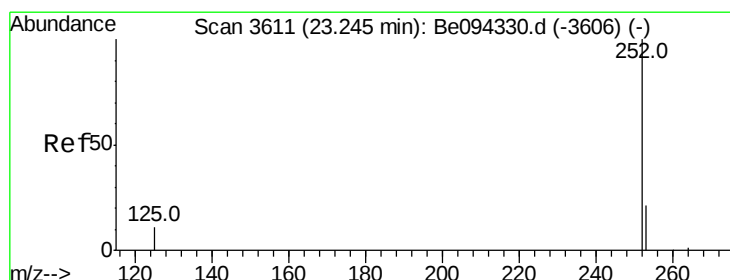
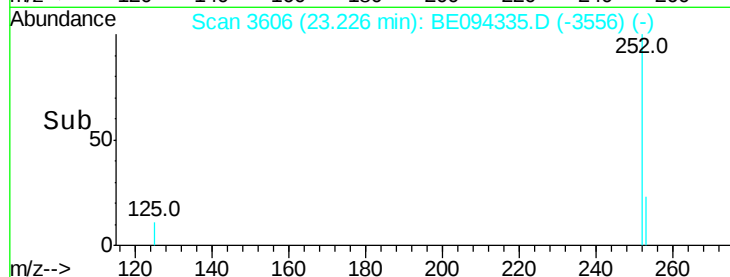
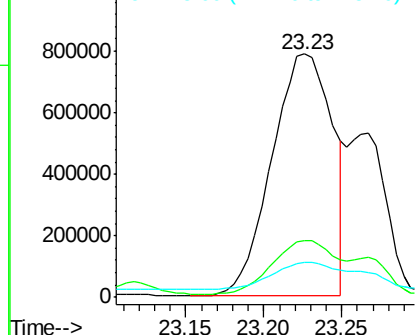
252 100

253 23.5 0.0 64.2

125 14.2 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: 1.458 ng/u1

RT: 23.23 min Scan# 3606

Delta R.T. -0.02 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

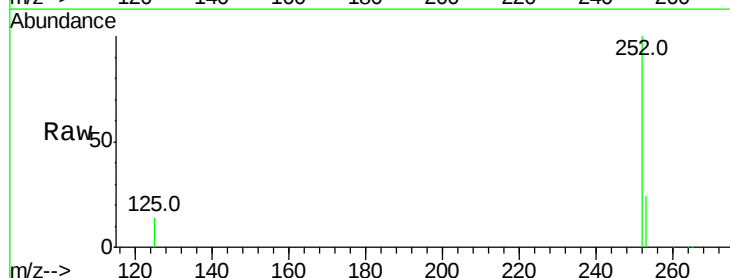
Tgt Ion:252 Resp: 1974330

Ion Ratio Lower Upper

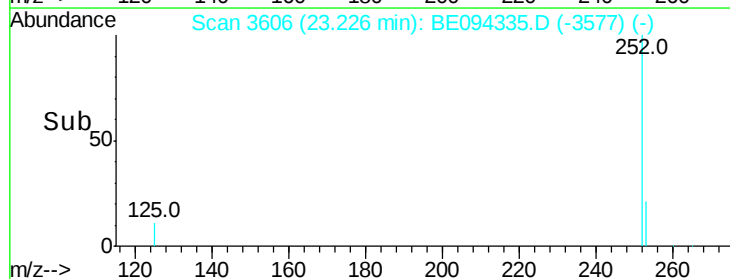
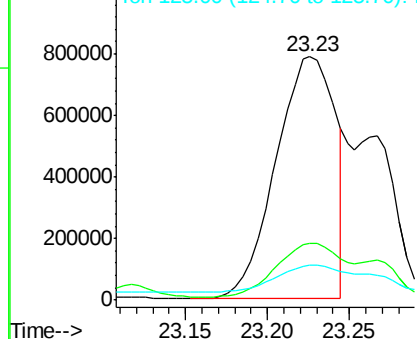
252 100

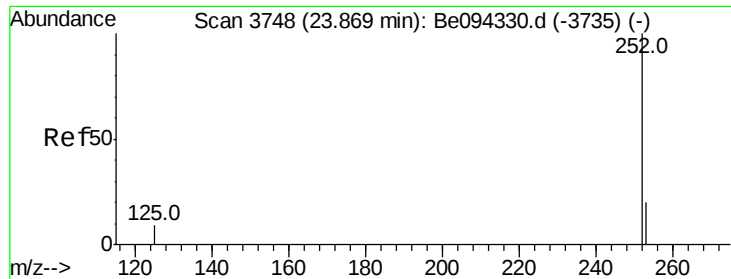
253 23.5 24.5 36.7#

125 14.2 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: 0.865 ng/ul

RT: 23.78 min Scan# 3727

Delta R.T. -0.09 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 1053360

Ion Ratio Lower Upper

252 100

253 23.2 28.5 42.7#

125 20.2 18.1 27.1

