

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
 Data File : BE094860.D
 Acq On : 23 Nov 2017 7:53
 Operator : SJ/JU
 Sample : I6496-20
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 23 23:16:15 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 23:11:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	777	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.67	136	5428	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.50	164	3823	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	9035	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	9256	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	10183	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	2040	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	6786	0.22	ng/ul	-0.01

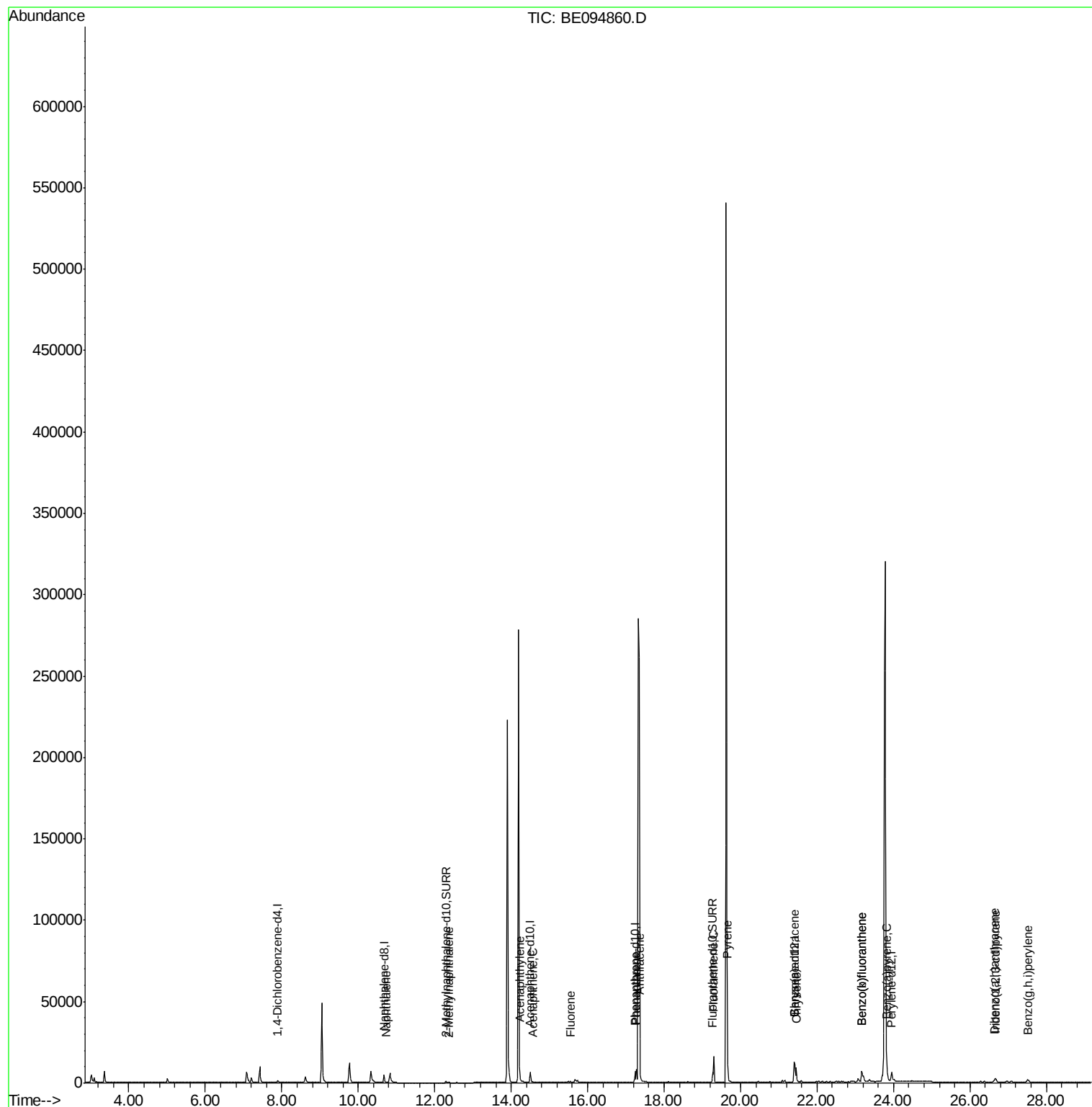
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.72	128	481	0.04	ng/ul#	69
5) 2-Methylnaphthalene	12.36	142	451	0.05	ng/ul	96
7) Acenaphthylene	14.23	152	593	0.03	ng/ul#	75
8) Acenaphthene	14.56	153	265	0.02	ng/ul#	87
9) Fluorene	15.55	166	430	0.03	ng/ul#	90
12) Phenanthrene	17.27	178	8173	0.34	ng/ul#	90
13) Anthracene	17.36	178	1750	0.07	ng/ul#	89
15) Fluoranthene	19.30	202	19032	0.60	ng/ul	84
17) Pyrene	19.66	202	17805	0.61	ng/ul#	78
18) Benzo(a)anthracene	21.40	228	10411	0.37	ng/ul#	88
19) Chrysene	21.46	228	10190	0.36	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	17157	0.57	ng/ul	90
22) Benzo(k)fluoranthene	23.17	252	17157	0.53	ng/ul	92
23) Benzo(a)pyrene	23.83	252	8731	0.29	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.66	276	5214	0.16	ng/ul#	73
25) Dibenzo(a,h)anthracene	26.64	278	1372	0.05	ng/ul#	74
26) Benzo(a,h,i)perylene	27.51	276	4238	0.15	ng/ul	96

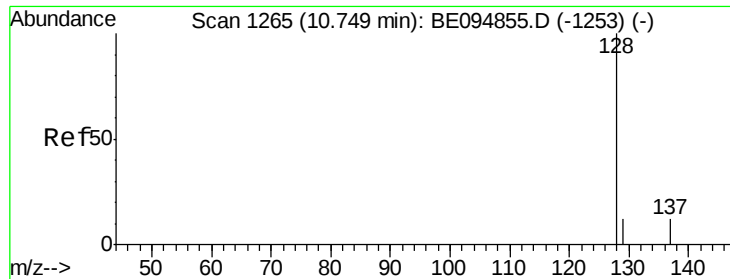
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
Data File : BE094860.D
Acq On : 23 Nov 2017 7:53
Operator : SJ/JU
Sample : I6496-20
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Nov 23 23:16:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 23 23:11:00 2017
Response via : Initial Calibration

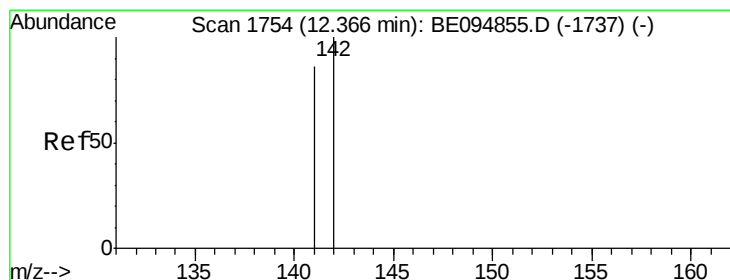
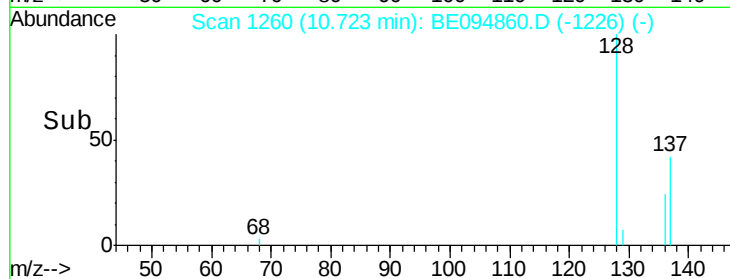
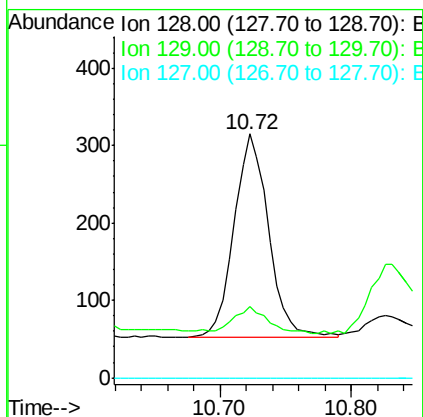
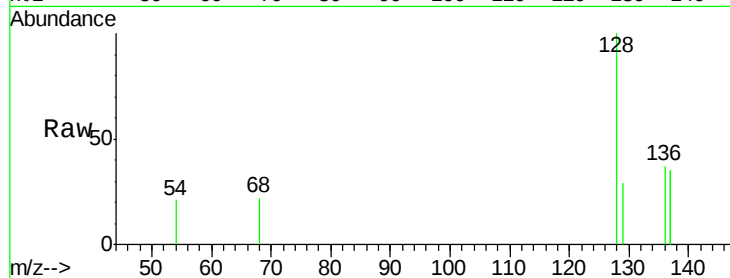




#3
Naphthalene
Concen: 0.04 ng/ul
RT: 10.72 min Scan# 1260
Delta R.T. -0.03 min
Lab File: BE094860.D
Acq: 23 Nov 2017 7:53

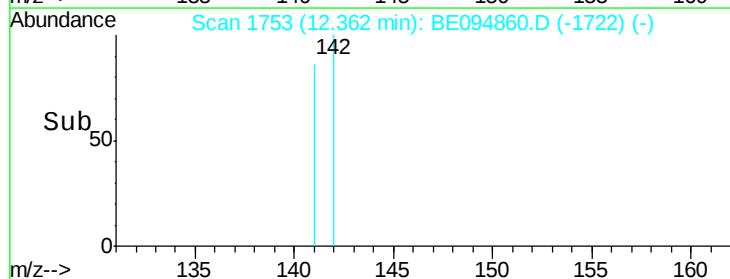
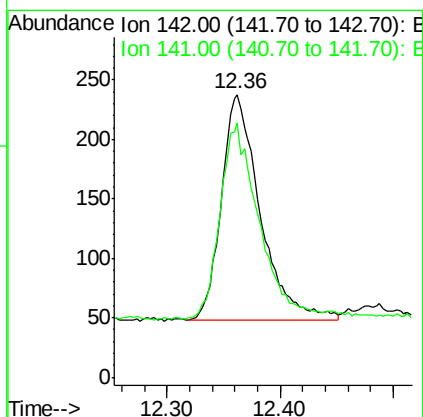
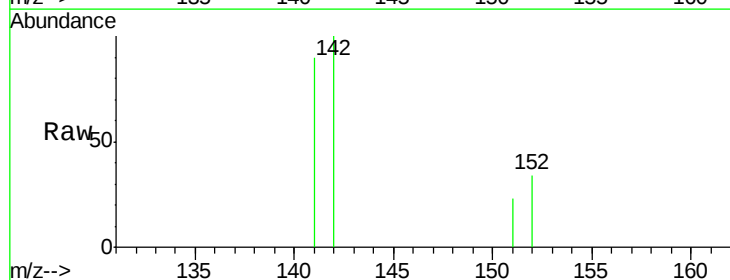
Instrument :
BNA_E
ClientSampleId :

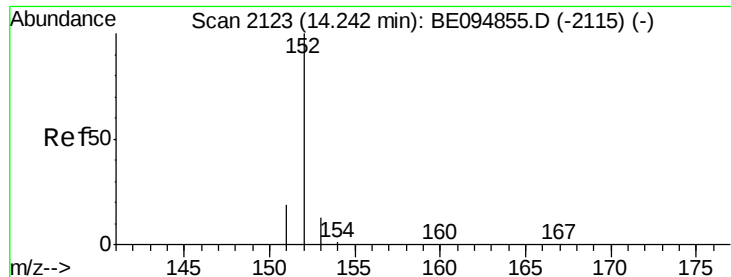
Tot Ion:128 Resp: 481
Ion Ratio Lower Upper
128 100
129 29.2 11.3 16.9#
127 0.0 4.0 6.0#



#5
2-Methylnaphthalene
Concen: 0.05 ng/ul
RT: 12.36 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BE094860.D
Acq: 23 Nov 2017 7:53

Tgt Ion:142 Resp: 451
Ion Ratio Lower Upper
142 100
141 86.9 72.6 108.8





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :

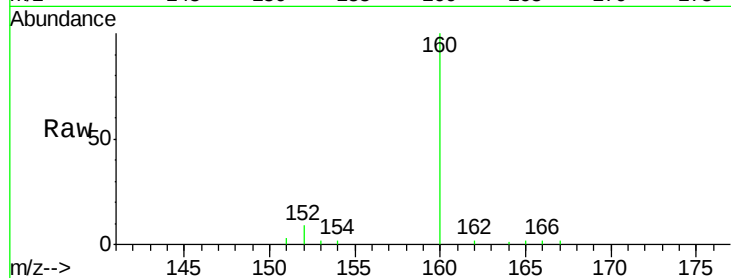
Tot Ion:152 Resp: 593

Ion Ratio Lower Upper

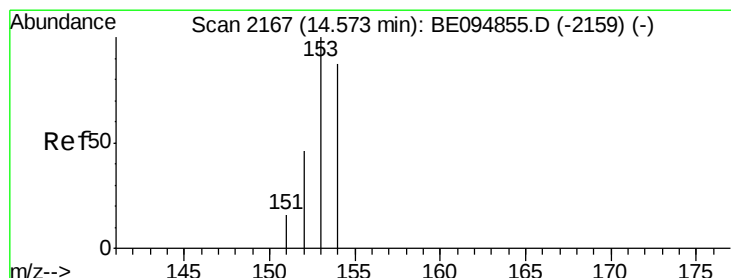
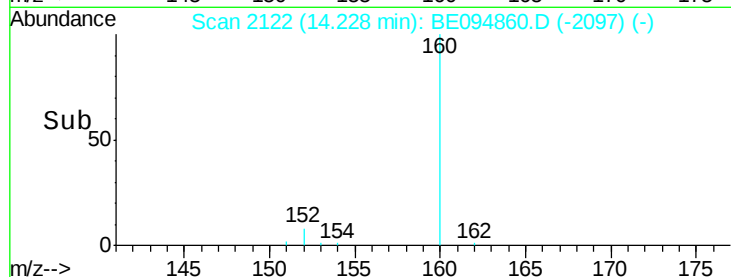
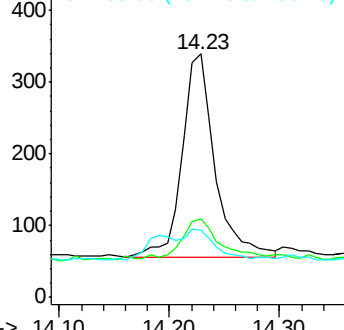
152 100

151 32.4 17.1 25.7#

153 27.4 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: 0.02 ng/ul

RT: 14.56 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

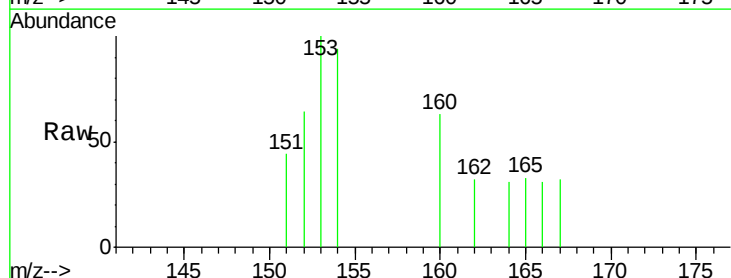
Tgt Ion:153 Resp: 265

Ion Ratio Lower Upper

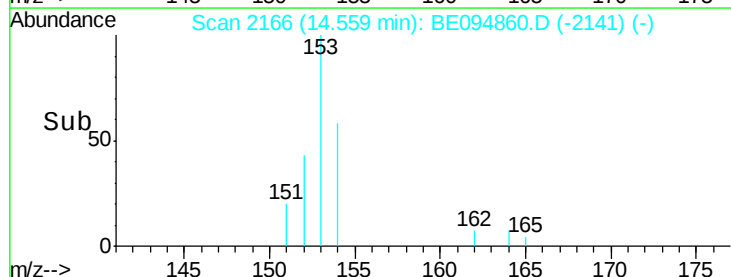
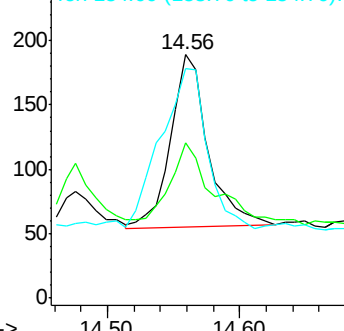
153 100

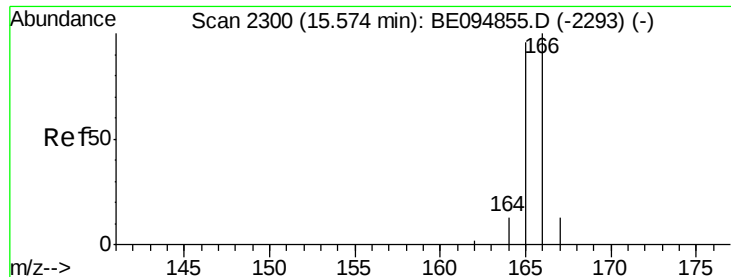
152 64.0 36.0 54.0#

154 94.2 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: 0.03 ng/ul

RT: 15.55 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :

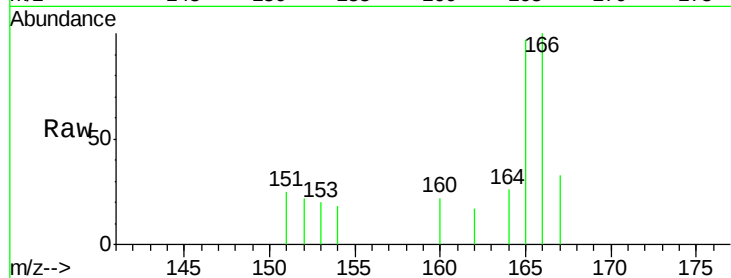
Tot Ion:166 Resp: 430

Ion Ratio Lower Upper

166 100

165 97.2 73.4 110.2

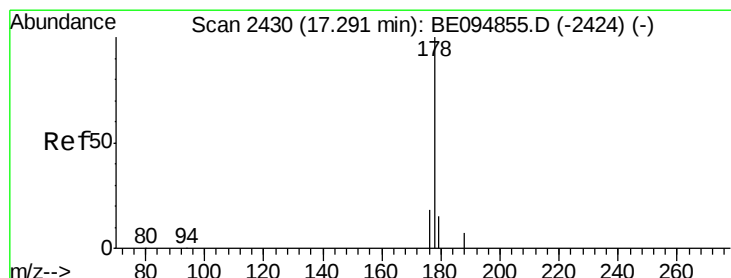
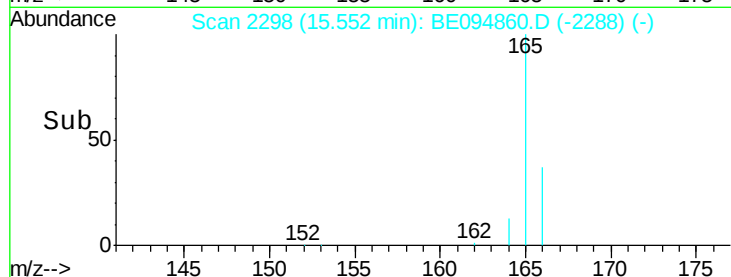
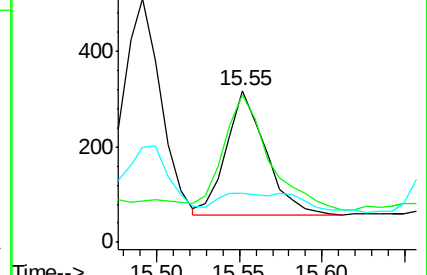
167 32.7 14.6 22.0#



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: 0.34 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

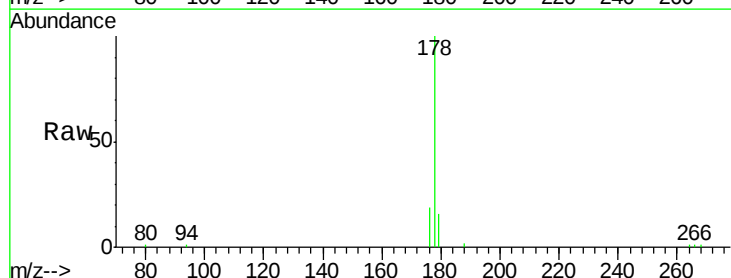
Tgt Ion:178 Resp: 8173

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

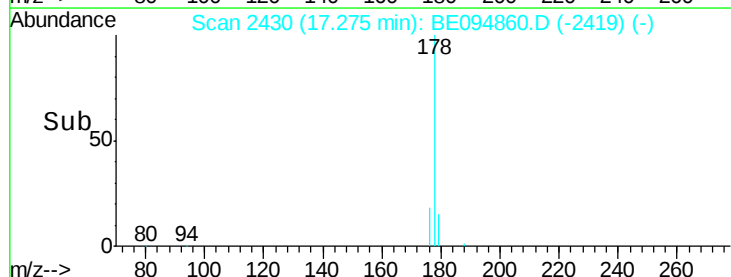
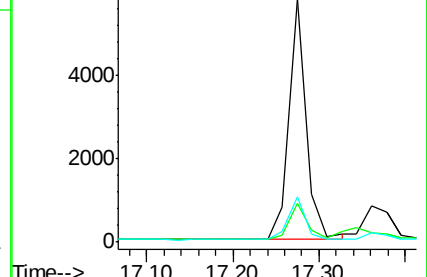
176 18.5 13.6 20.4

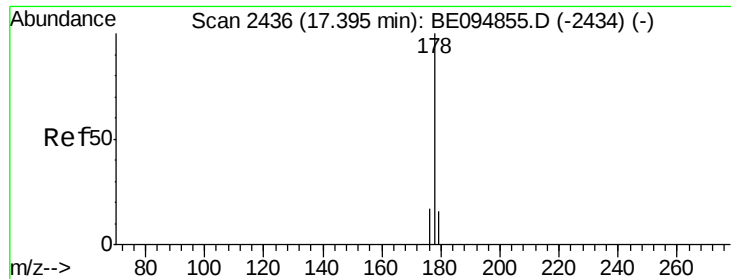


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.36 min Scan# 2435

Delta R.T. -0.03 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :

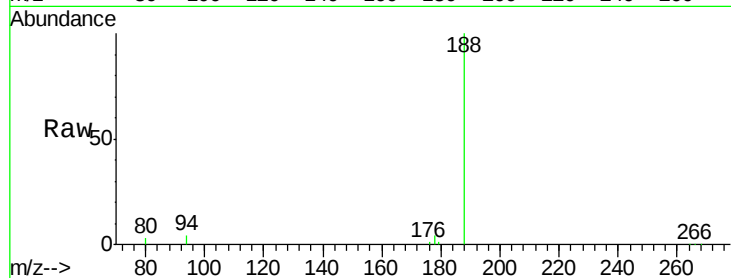
Tot Ion:178 Resp: 1750

Ion Ratio Lower Upper

178 100

179 26.9 18.1 27.1

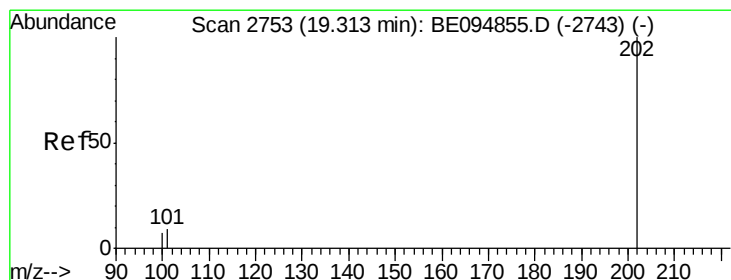
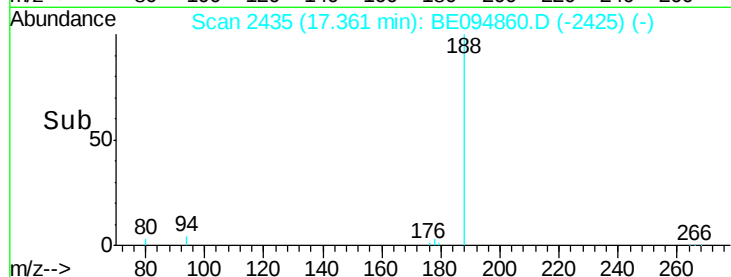
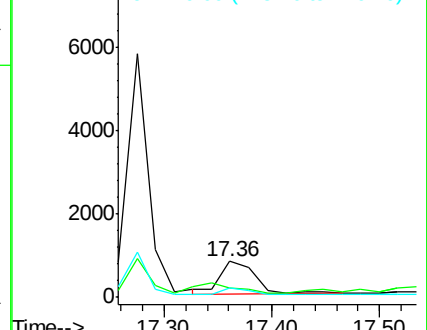
176 24.5 14.7 22.1#



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: 0.60 ng/ul

RT: 19.30 min Scan# 2750

Delta R.T. -0.02 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

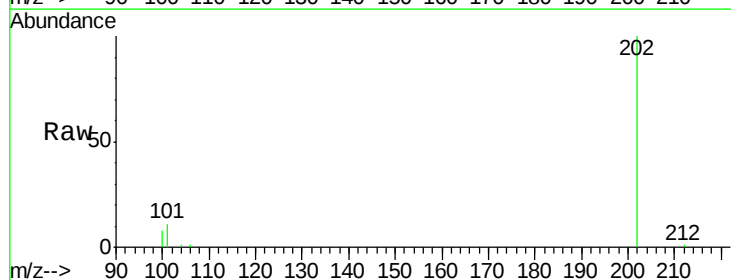
Tgt Ion:202 Resp: 19032

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

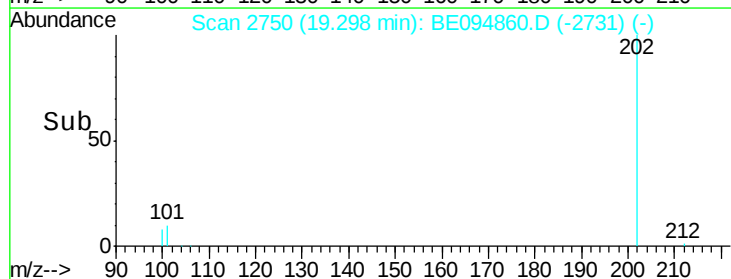
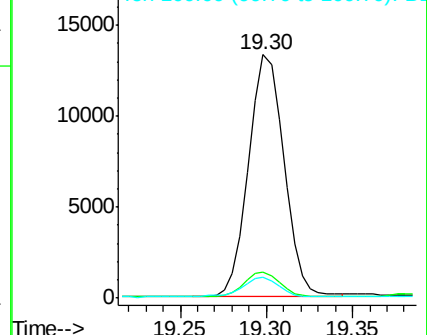
100 8.4 0.0 39.5

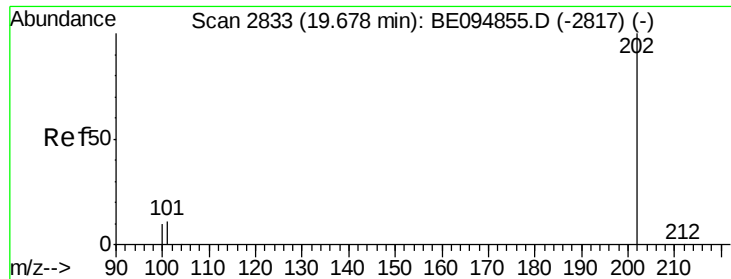


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 0.61 ng/ul

RT: 19.66 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :

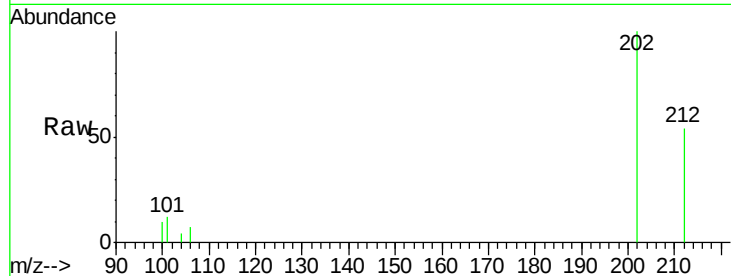
Tot Ion:202 Resp: 17805

Ion Ratio Lower Upper

202 100

101 11.7 18.2 27.4#

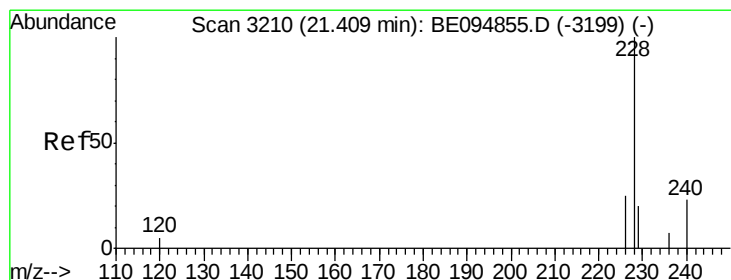
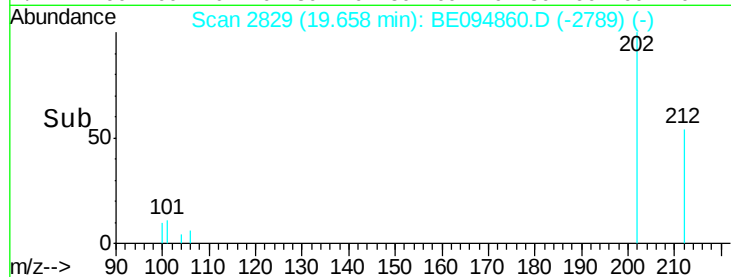
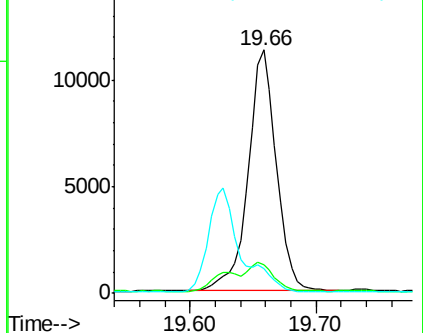
100 10.2 15.6 23.4#



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: 0.37 ng/ul

RT: 21.40 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

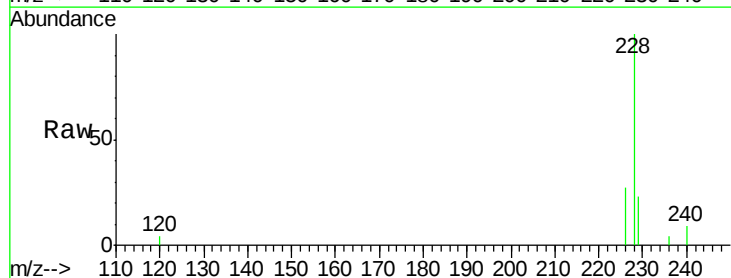
Tgt Ion:228 Resp: 10411

Ion Ratio Lower Upper

228 100

229 22.9 22.8 34.2

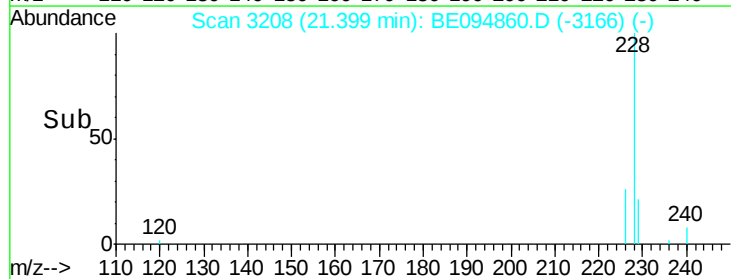
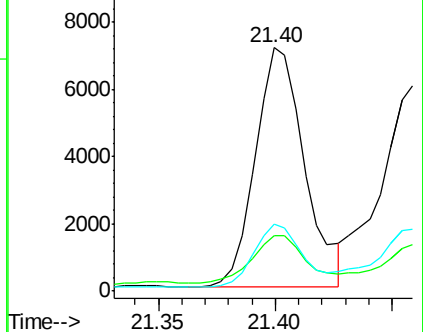
226 27.5 17.0 25.6#

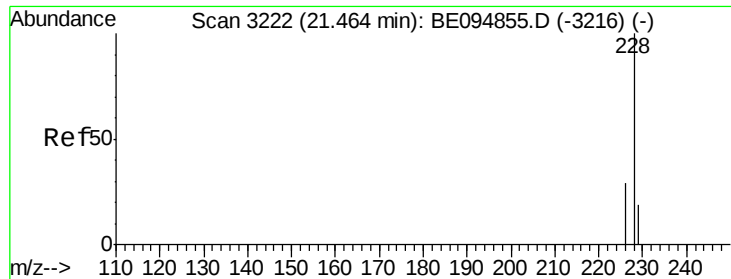


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.36 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :

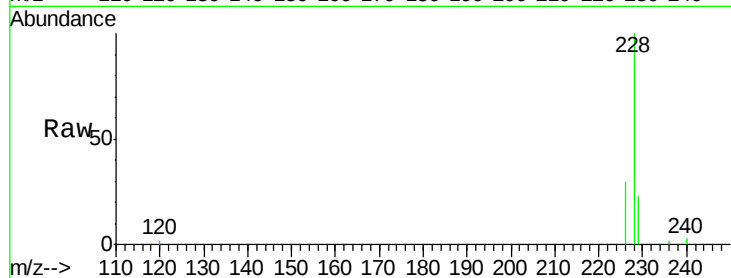
Tot Ion:228 Resp: 10190

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

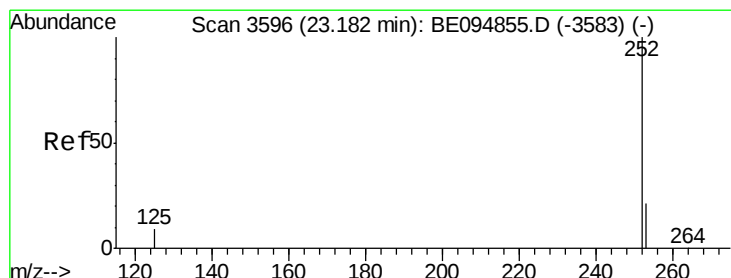
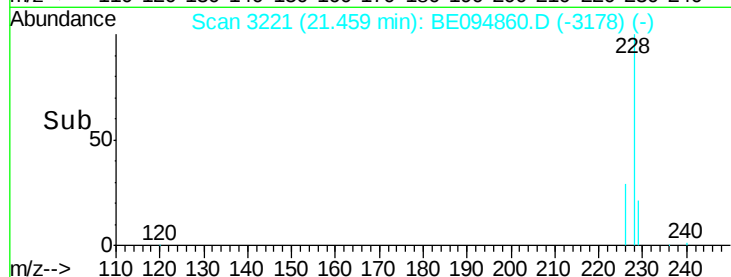
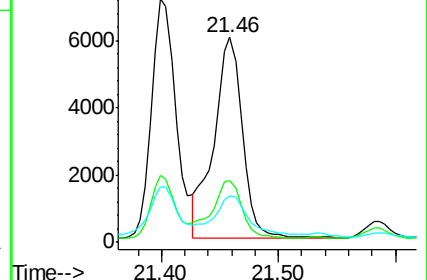
229 22.9 17.7 26.5



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: 0.57 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.01 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

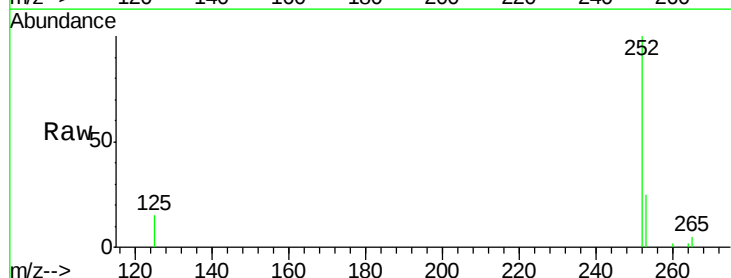
Tgt Ion:252 Resp: 17157

Ion Ratio Lower Upper

252 100

253 24.6 0.0 64.2

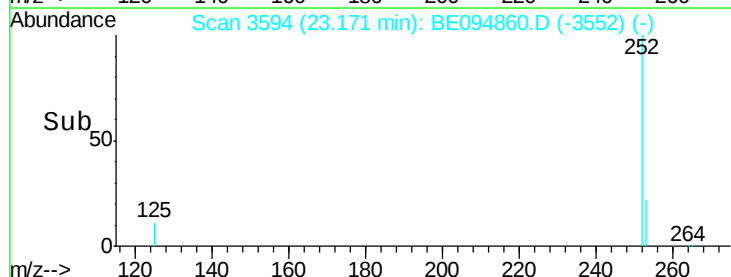
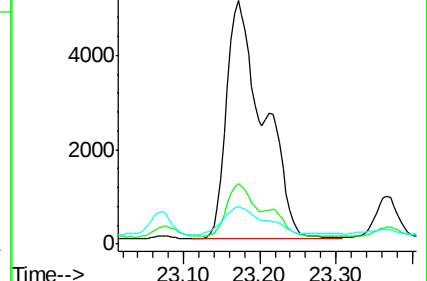
125 15.4 0.0 35.0

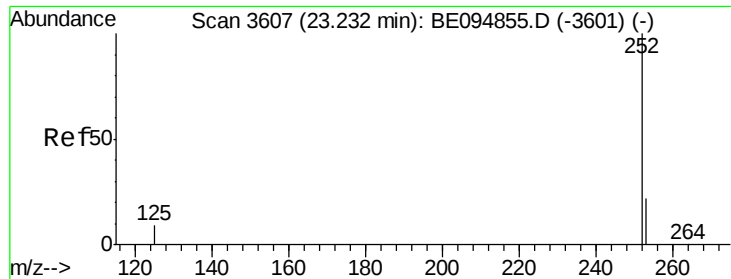


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.53 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :

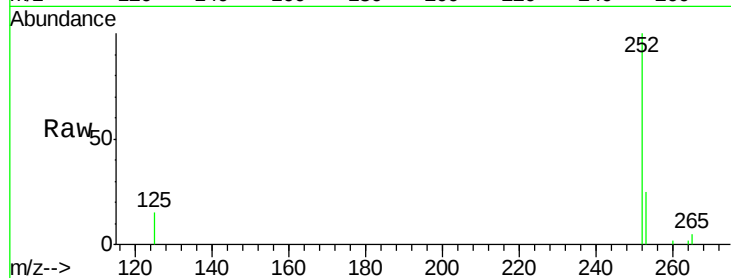
Tot Ion:252 Resp: 17157

Ion Ratio Lower Upper

252 100

253 24.6 24.5 36.7

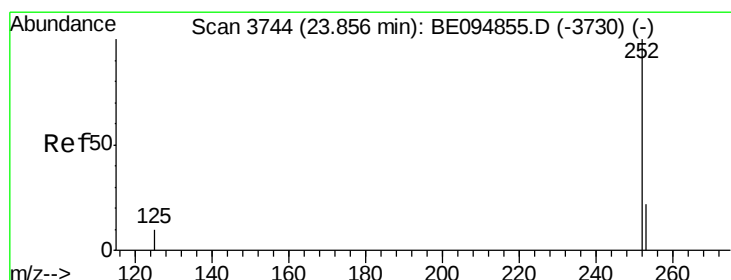
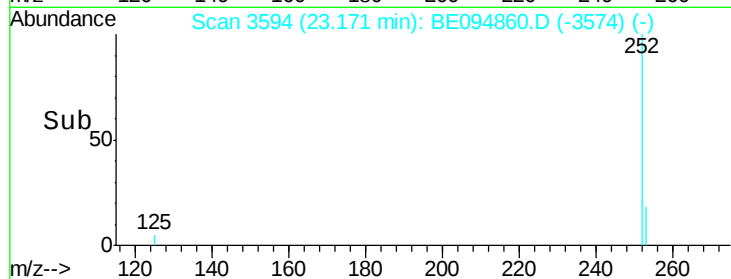
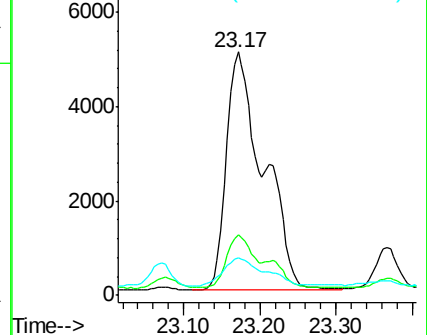
125 15.4 13.7 20.5



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: 0.29 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. -0.02 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

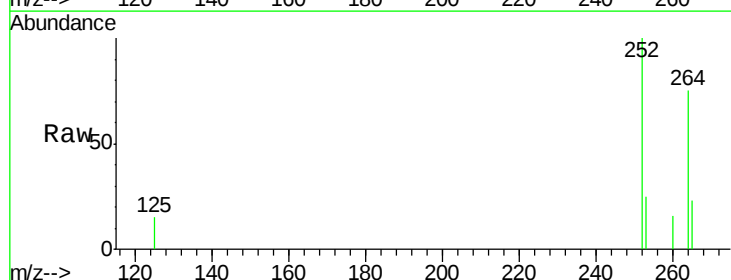
Tgt Ion:252 Resp: 8731

Ion Ratio Lower Upper

252 100

253 25.5 28.5 42.7#

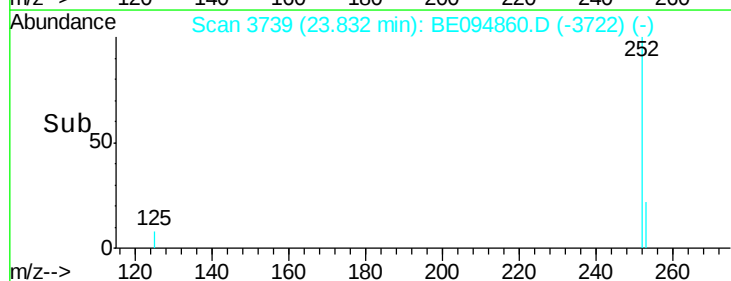
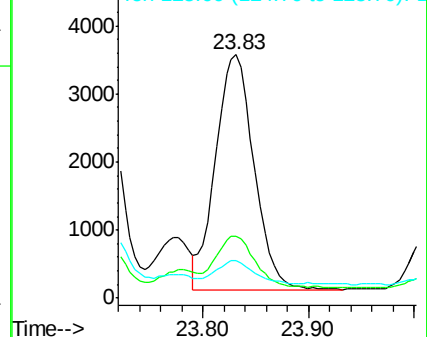
125 15.3 18.1 27.1#

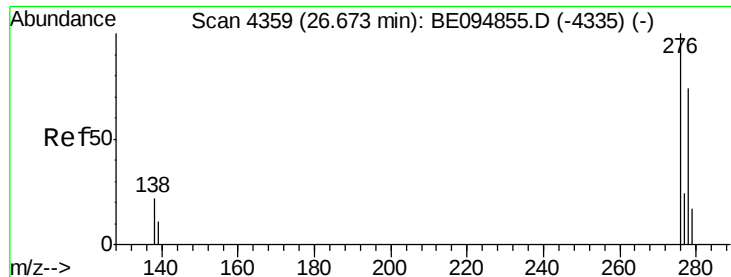


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.16 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.01 min

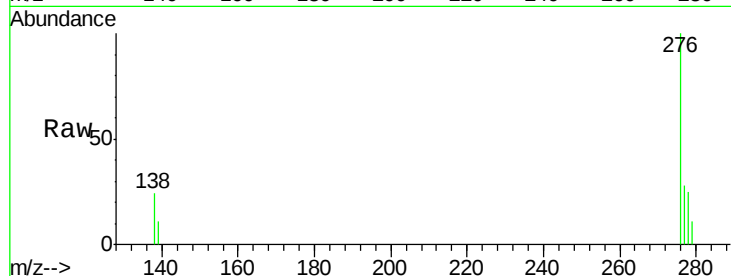
Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :



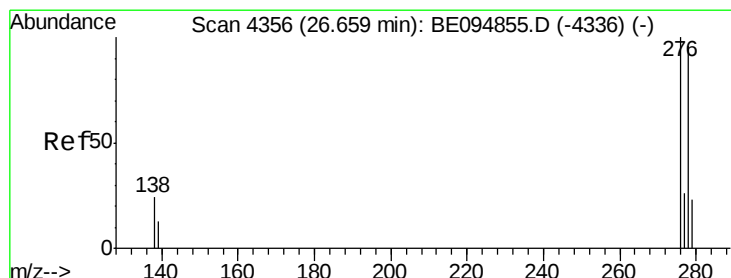
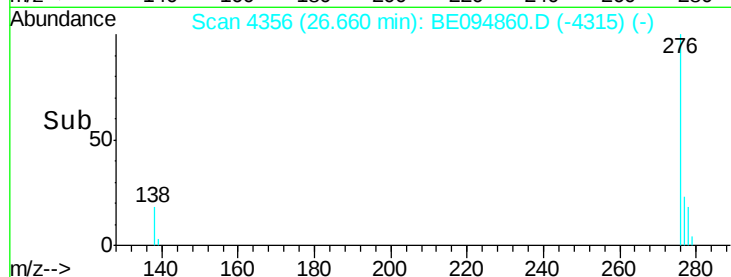
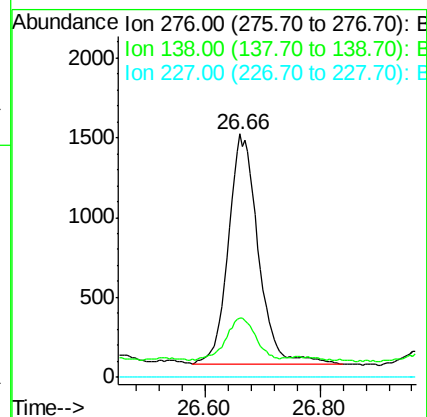
Tot Ion:276 Resp: 5214

Ion Ratio Lower Upper

276 100

138 19.2 28.0 42.0#

227 0.0 8.0 12.0#



#25

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.02 min

Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

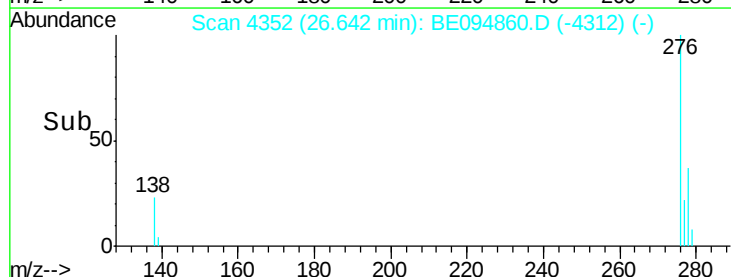
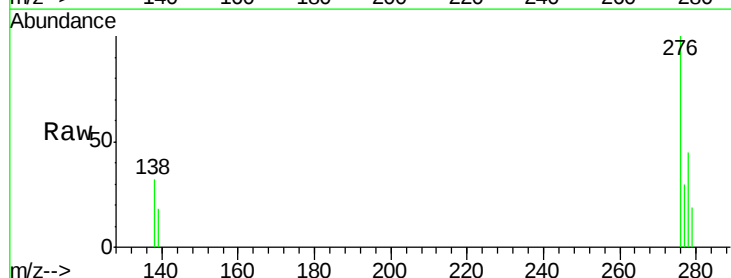
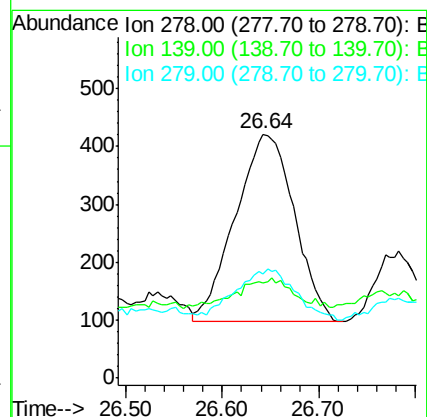
Tgt Ion:278 Resp: 1372

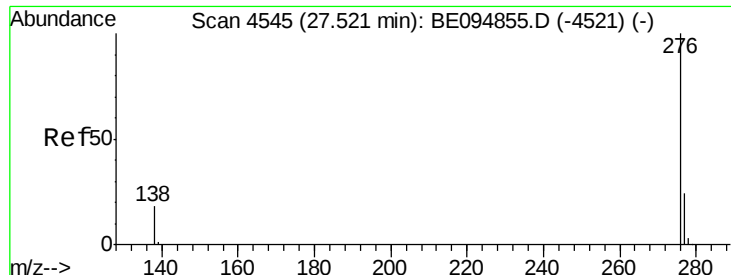
Ion Ratio Lower Upper

278 100

139 39.2 17.4 26.0#

279 42.5 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.15 ng/ul

RT: 27.51 min Scan# 4542

Delta R.T. -0.01 min

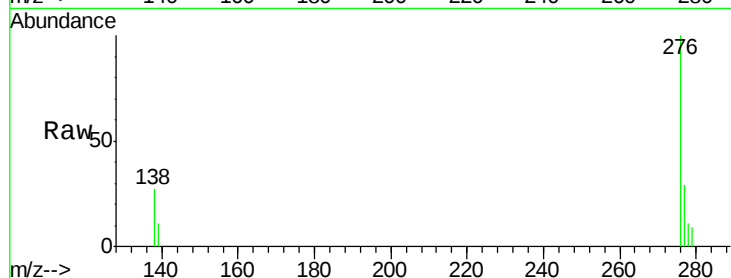
Lab File: BE094860.D

Acq: 23 Nov 2017 7:53

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 4238

Ion Ratio Lower Upper

276 100

138 27.1 21.8 32.8

277 29.4 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

