

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\
 Data File : BE094329.D
 Acq On : 13 Oct 2017 18:09
 Operator : SJ/JU
 Sample : I5568-06DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 14 02:19:26 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 02:15:10 2017
 Response via : Initial Calibration

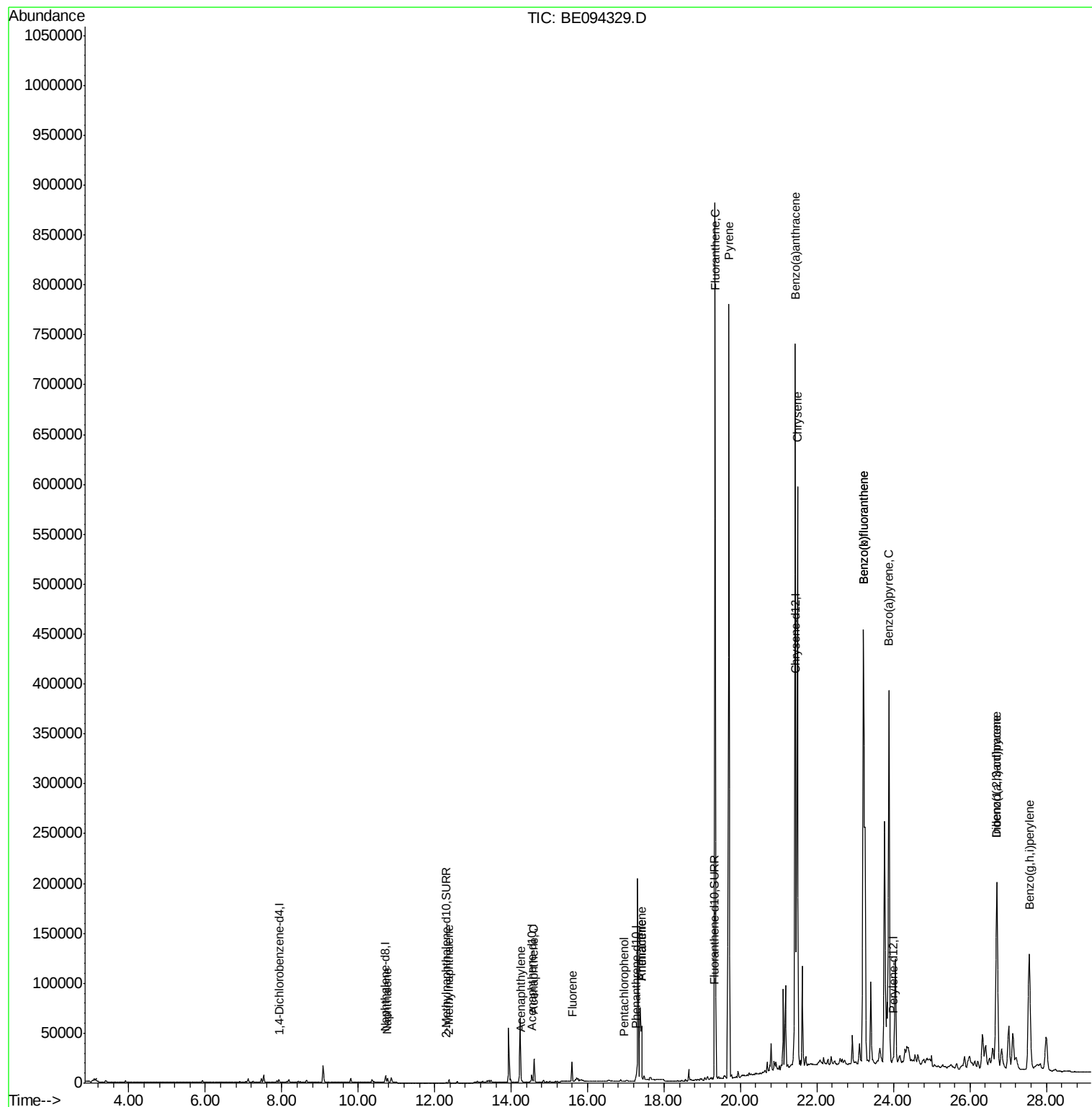
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	1376	0.40	ng/ul	0.01
2) Naphthalene-d8	10.71	136	7171	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.54	164	4176	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	8782	0.40	ng/ul	0.02
16) Chrysene-d12	21.45	240	8369	0.40	ng/ul	0.02
20) Perylene-d12	23.99	264	9363	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	505	0.05	ng/ul	0.01
14) Fluoranthene-d10	19.30	212	1156	0.04	ng/ul	0.02
Target Compounds					Ovalue	
3) Naphthalene	10.76	128	6243	0.355	ng/ul#	94
5) 2-Methylnaphthalene	12.37	142	2687	0.236	ng/ul	99
7) Acenaphthylene	14.27	152	2302	0.141	ng/ul#	84
8) Acenaphthene	14.60	153	14732	1.099	ng/ul	96
9) Fluorene	15.59	166	13267	0.845	ng/ul	94
11) Pentachlorophenol	16.96	266	70	0.068	ng/ul#	36
12) Phenanthrene	17.41	178	77962	3.397	ng/ul	94
13) Anthracene	17.41	178	81349	3.645	ng/ul	93
15) Fluoranthene	19.33	202	979966	32.499	ng/ul	84
17) Pyrene	19.69	202	875113	37.582	ng/ul#	83
18) Benzo(a)anthracene	21.43	228	686702	30.930	ng/ul#	87
19) Chrysene	21.49	228	601211	23.449	ng/ul	97
21) Benzo(b)fluoranthene	23.21	252	1144809	45.010	ng/ul	87
22) Benzo(k)fluoranthene	23.21	252	1144809	38.940	ng/ul#	89
23) Benzo(a)pyrene	23.88	252	586110	22.176	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.71	276	339222	12.547	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.71	278	98501	4.343	ng/ul#	94
26) Benzo(g,h,i)perylene	27.55	276	287916	12.346	ng/ul	98

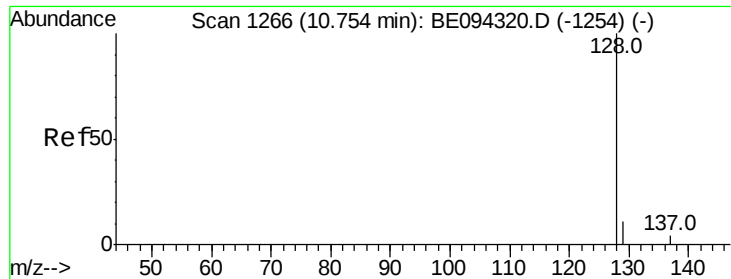
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_E
ClientSampled :

Quant Time: Oct 14 02:19:26 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 02:15:10 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.355 ng/ul

RT: 10.76 min Scan# 1268

Delta R.T. 0.01 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

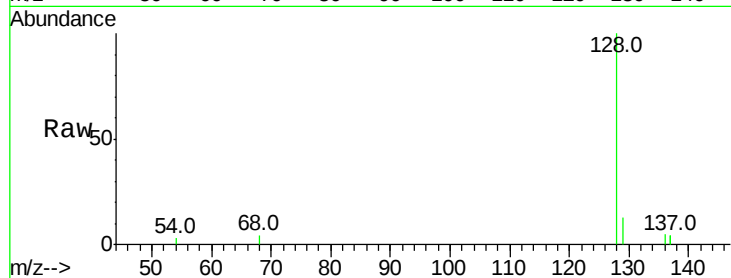
Tot Ion:128 Resp: 6243

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

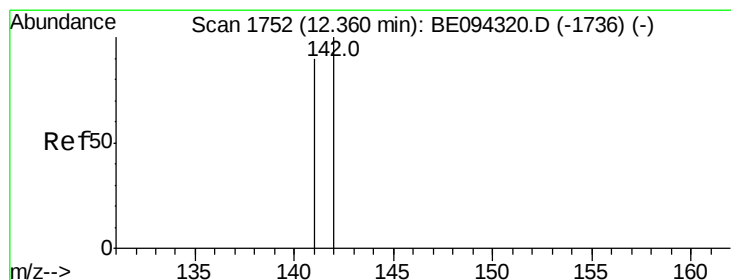
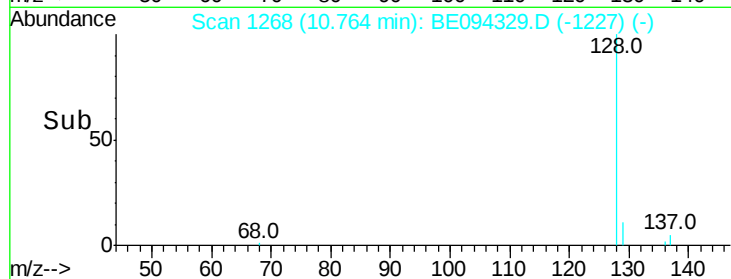
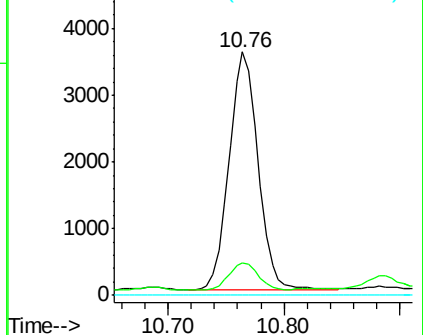
127 0.0 4.0 6.0#



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: 0.236 ng/ul

RT: 12.37 min Scan# 1756

Delta R.T. 0.01 min

Lab File: BE094329.D

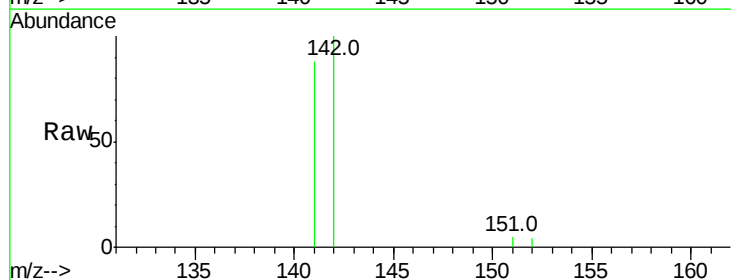
Acq: 13 Oct 2017 18:09

Tgt Ion:142 Resp: 2687

Ion Ratio Lower Upper

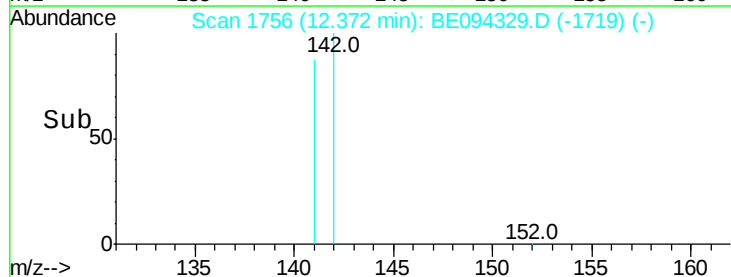
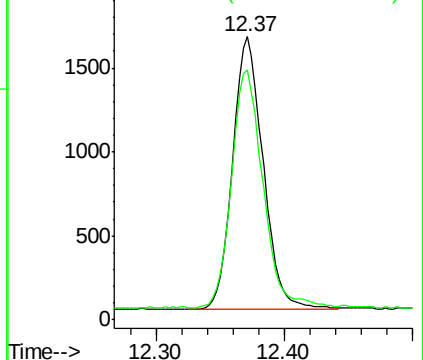
142 100

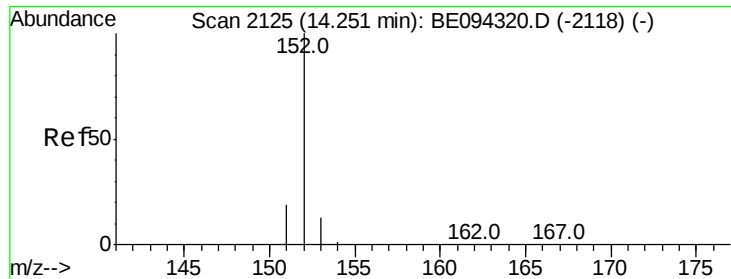
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.141 ng/ul

RT: 14.27 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

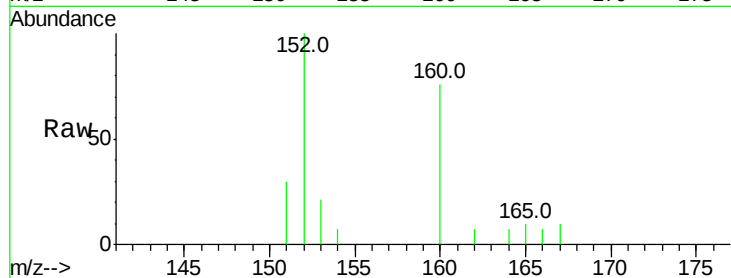
Tot Ion:152 Resp: 2302

Ion Ratio Lower Upper

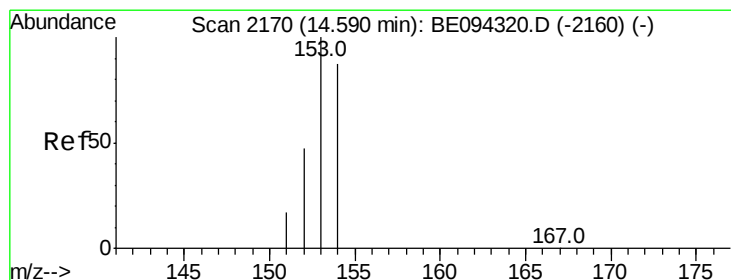
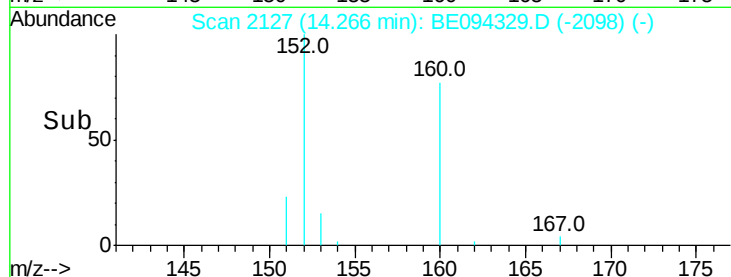
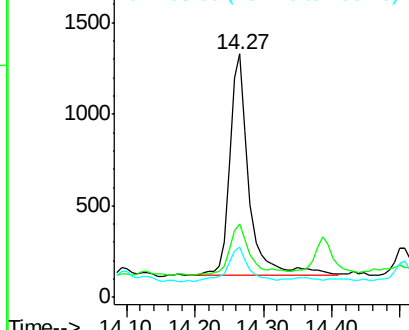
152 100

151 30.3 17.1 25.7#

153 20.9 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: 1.099 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

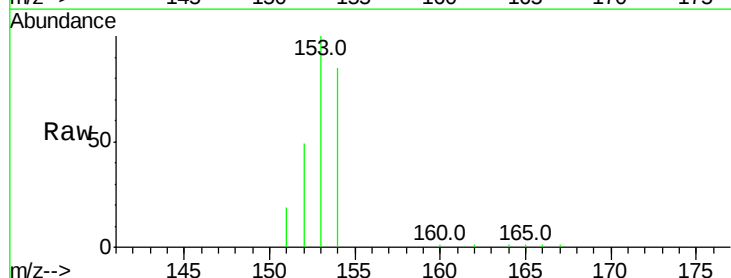
Tgt Ion:153 Resp: 14732

Ion Ratio Lower Upper

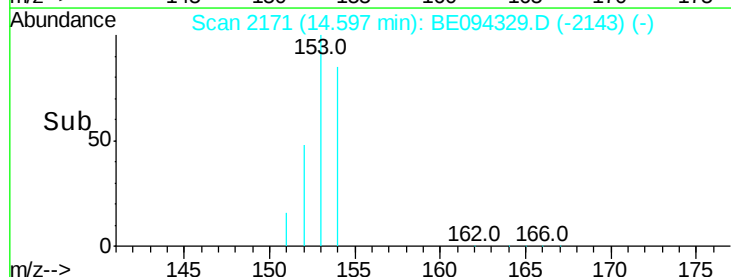
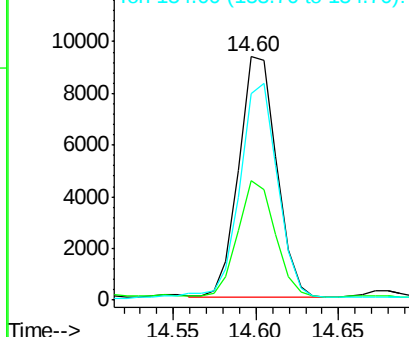
153 100

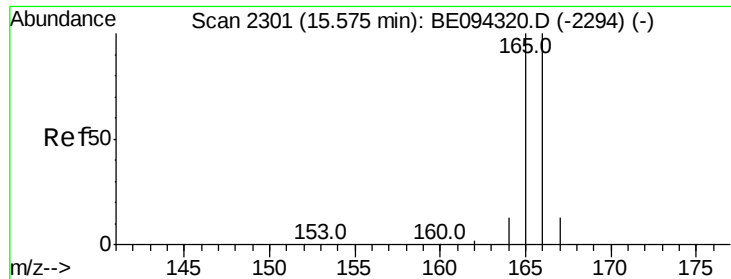
152 49.0 40.3 60.5

154 84.9 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: 0.845 ng/ul

RT: 15.59 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

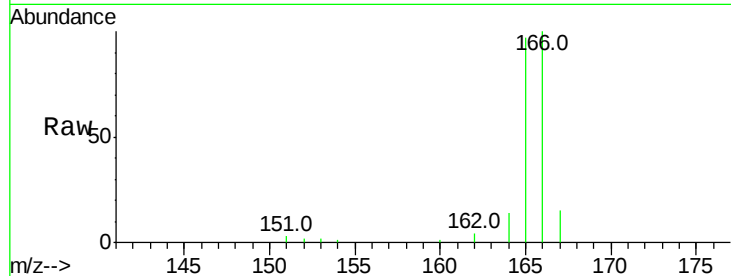
Tot Ion:166 Resp: 13267

Ion Ratio Lower Upper

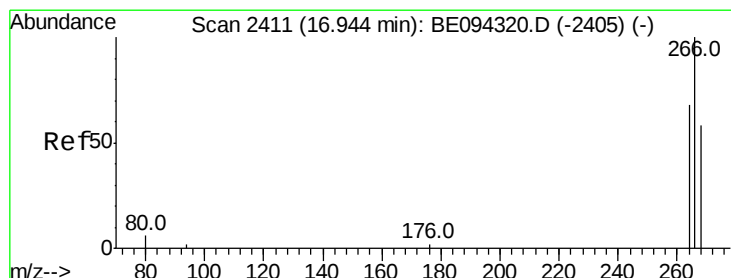
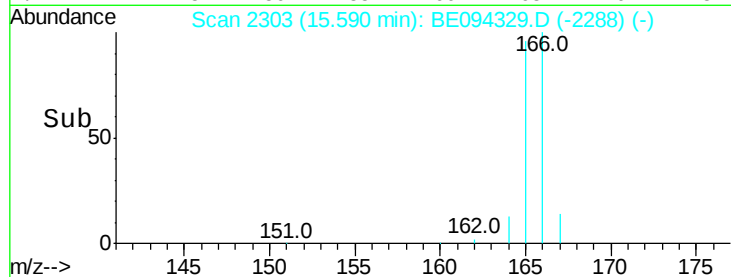
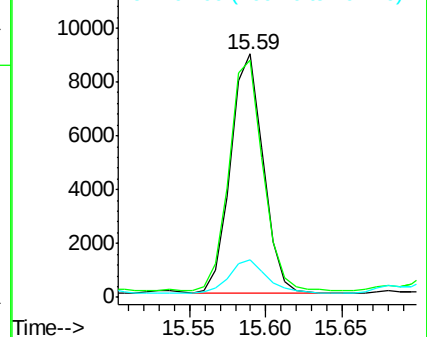
166 100

165 97.3 73.4 110.2

167 15.5 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



#11

Pentachlorophenol

Concen: 0.068 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. 0.02 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

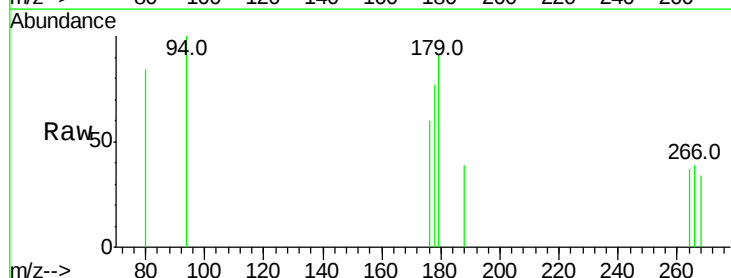
Tgt Ion:266 Resp: 70

Ion Ratio Lower Upper

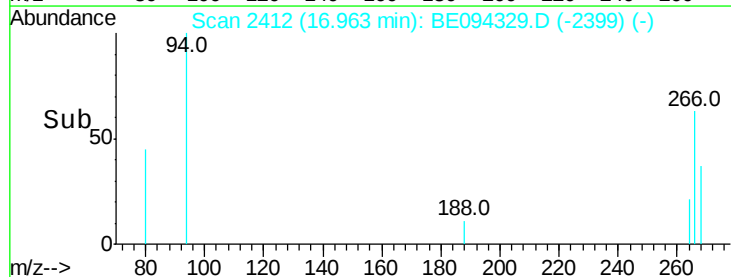
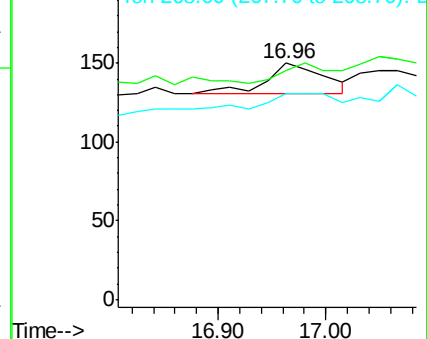
266 100

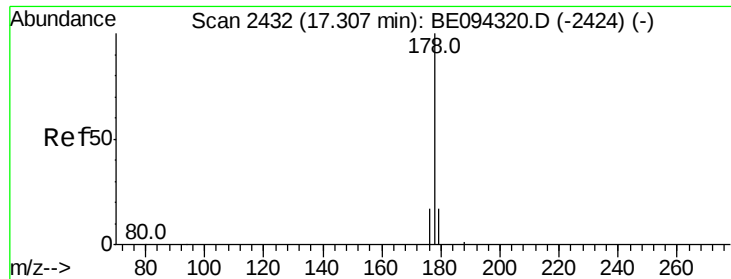
264 60.0 47.9 71.9

268 158.6 49.8 74.8#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.397 ng/ul

RT: 17.41 min Scan# 2438

Delta R.T. 0.11 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

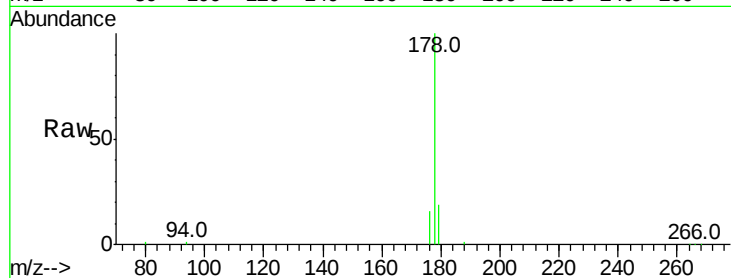
Tot Ion:178 Resp: 77962

Ion Ratio Lower Upper

178 100

179 18.5 18.4 27.6

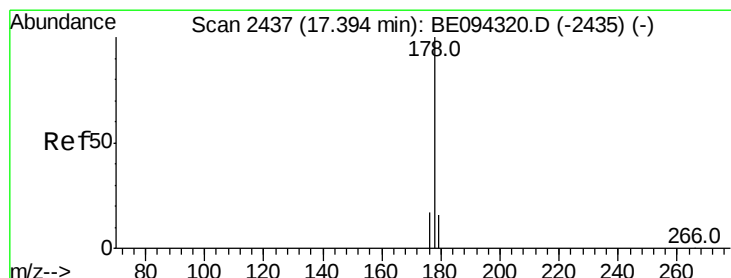
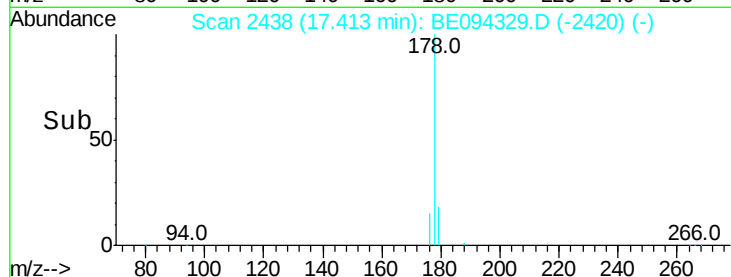
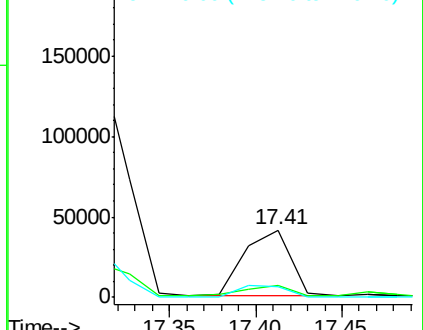
176 15.9 13.6 20.4



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: 3.645 ng/ul

RT: 17.41 min Scan# 2438

Delta R.T. 0.02 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

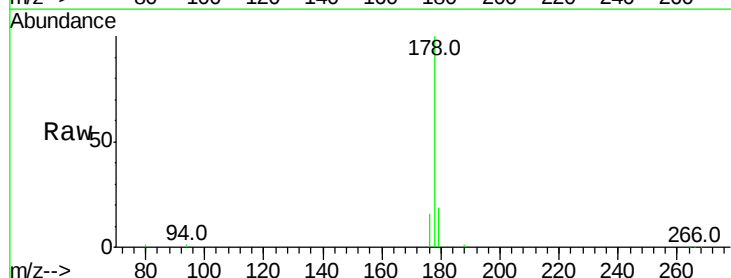
Tgt Ion:178 Resp: 81349

Ion Ratio Lower Upper

178 100

179 18.5 18.1 27.1

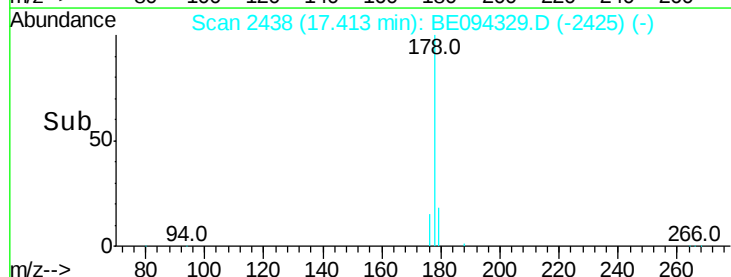
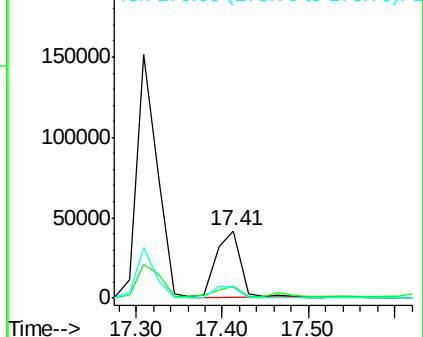
176 15.9 14.7 22.1

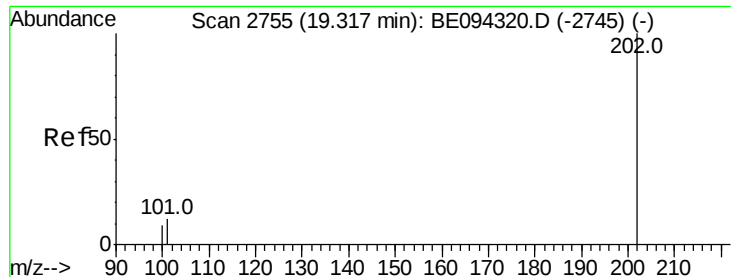


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 32.499 ng/ul

RT: 19.33 min Scan# 2758

Delta R.T. 0.02 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

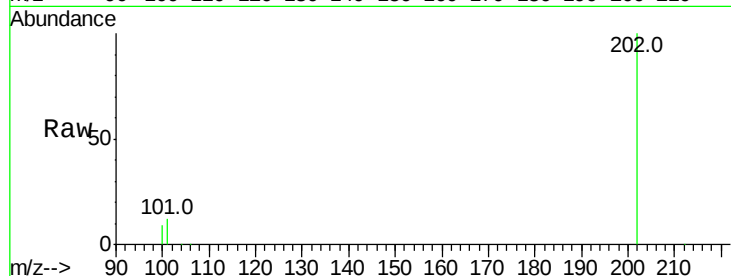
Tot Ion:202 Resp: 979966

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.3

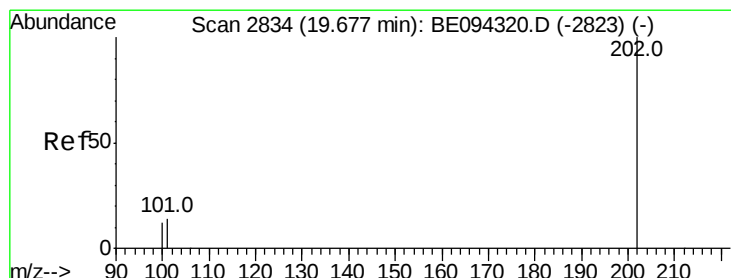
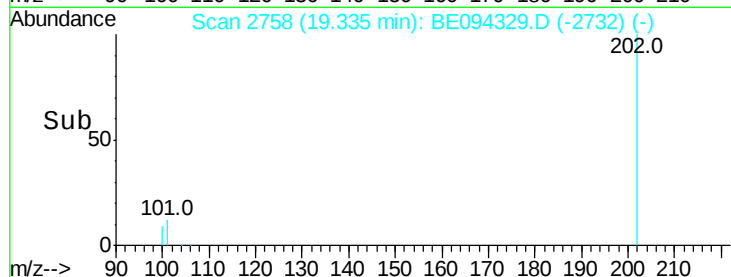
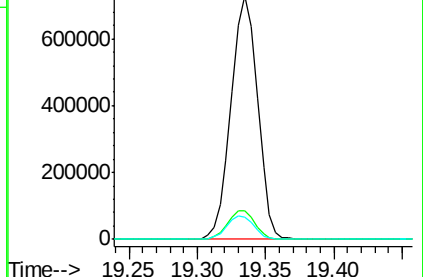
100 9.2 0.0 39.5



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: 37.582 ng/ul

RT: 19.69 min Scan# 2837

Delta R.T. 0.02 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

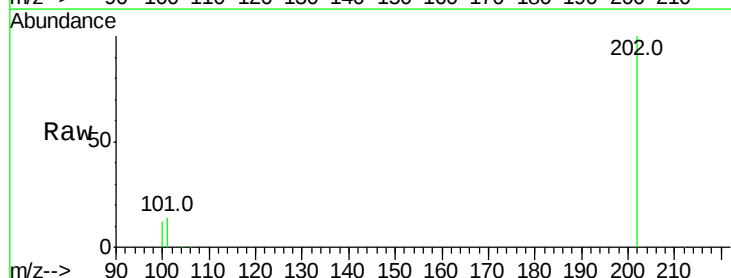
Tgt Ion:202 Resp: 875113

Ion Ratio Lower Upper

202 100

101 14.2 18.2 27.4#

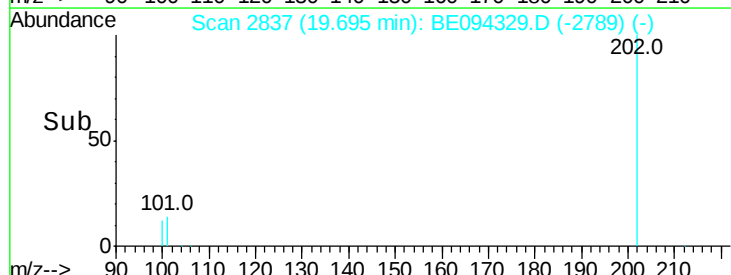
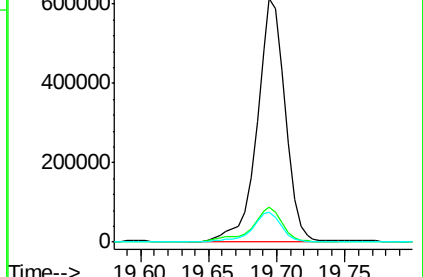
100 12.4 15.6 23.4#

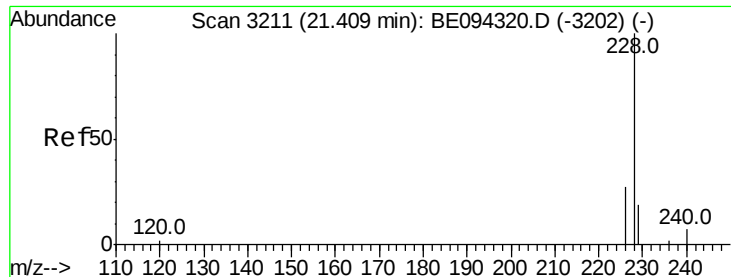


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 30.930 ng/ul

RT: 21.43 min Scan# 3215

Delta R.T. 0.02 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

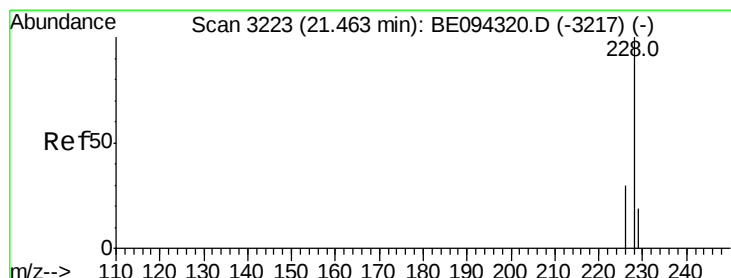
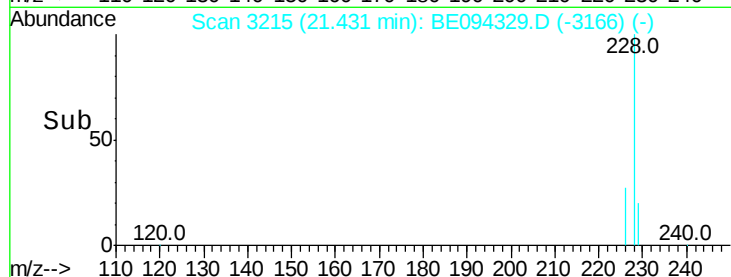
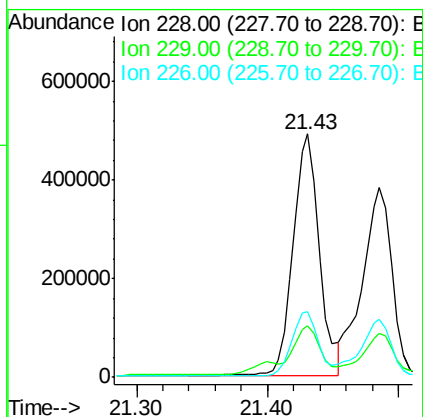
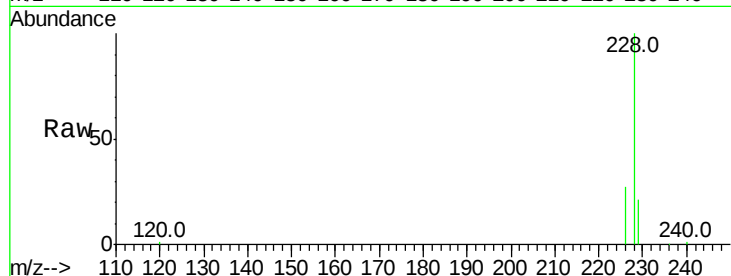
Tot Ion:228 Resp: 686702

Ion Ratio Lower Upper

228 100

229 21.3 22.8 34.2#

226 27.2 17.0 25.6#



#19

Chrysene

Concen: 23.449 ng/ul

RT: 21.49 min Scan# 3227

Delta R.T. 0.02 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

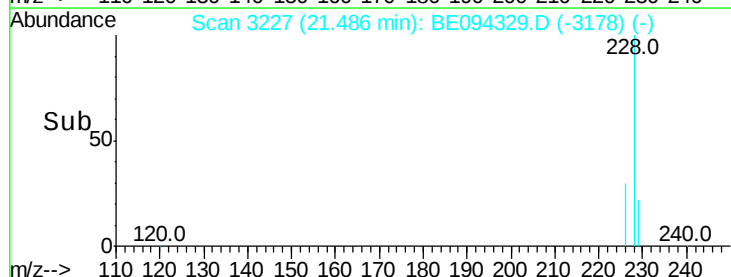
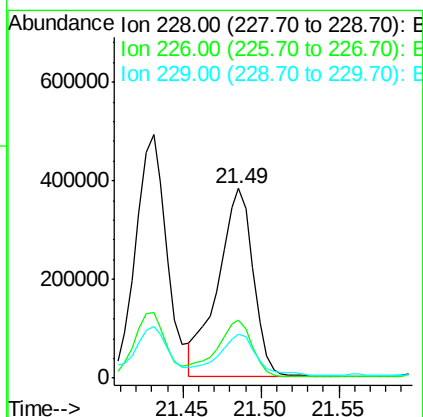
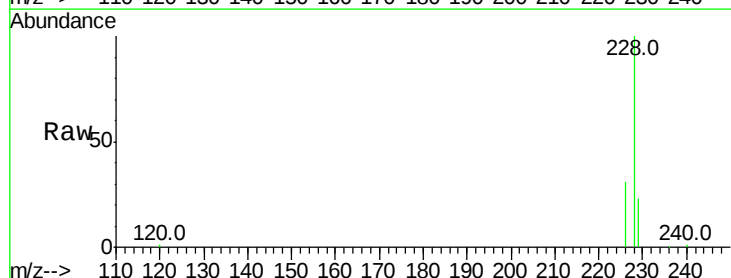
Tgt Ion:228 Resp: 601211

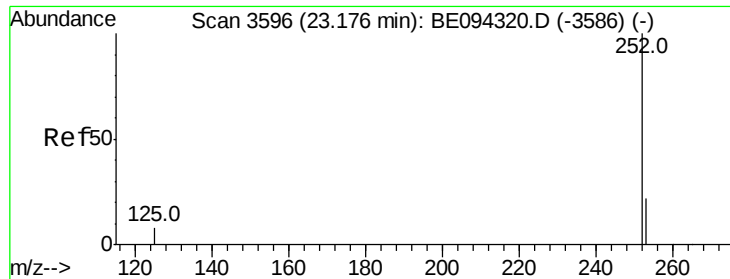
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

229 23.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 45.010 ng/ul

RT: 23.21 min Scan# 3603

Delta R.T. 0.04 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

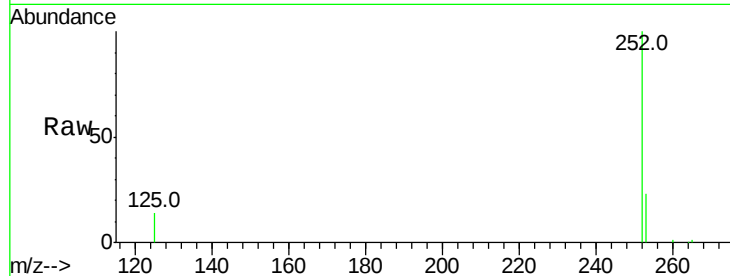
Tot Ion:252 Resp: 1144809

Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

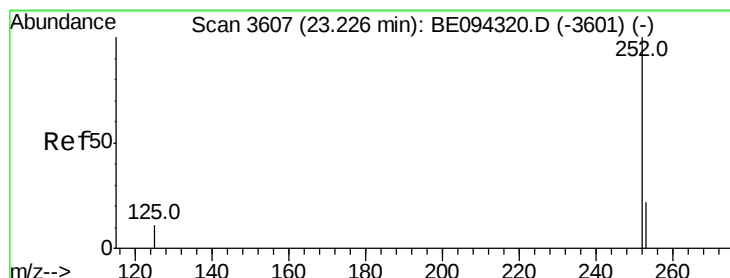
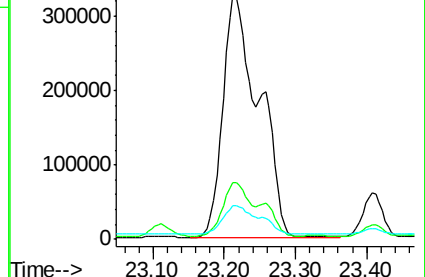
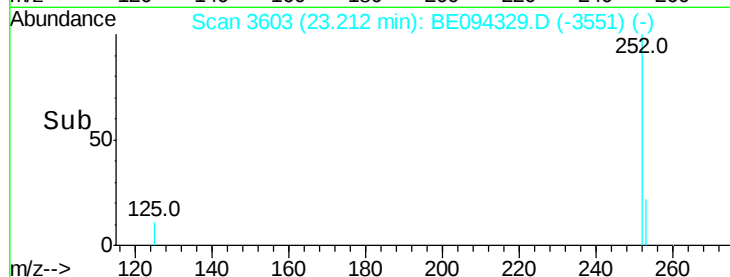
125 13.6 0.0 35.0



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: 38.940 ng/ul

RT: 23.21 min Scan# 3603

Delta R.T. -0.01 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

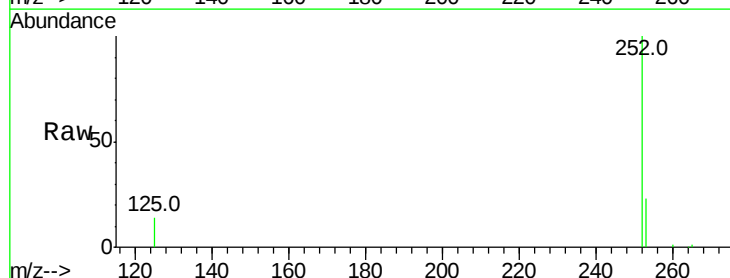
Tgt Ion:252 Resp: 1144809

Ion Ratio Lower Upper

252 100

253 23.5 24.5 36.7#

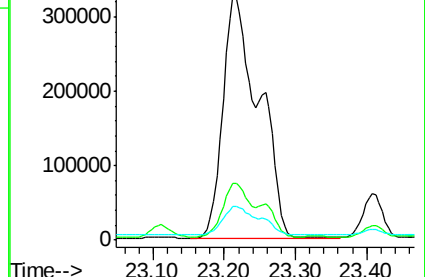
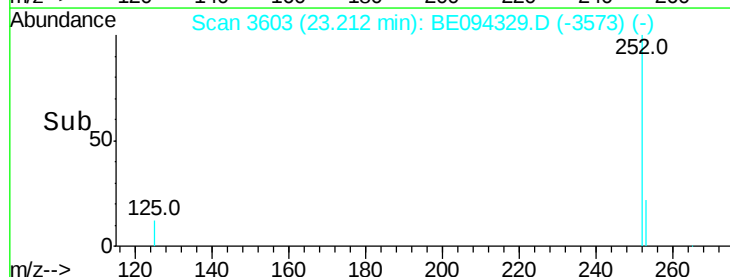
125 13.6 13.7 20.5#

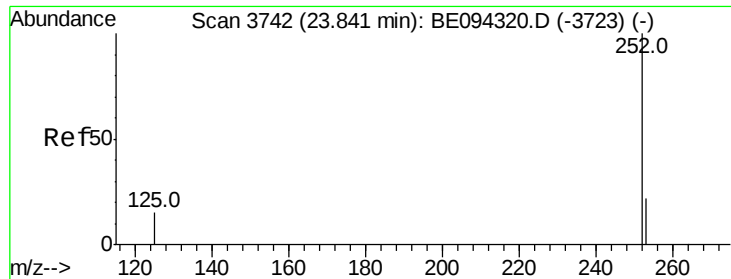


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 22.176 ng/ul

RT: 23.88 min Scan# 3750

Delta R.T. 0.04 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :

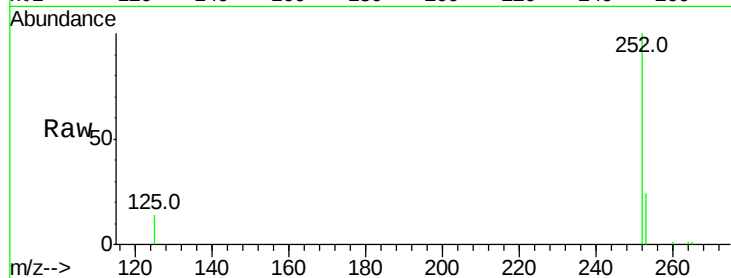
Tot Ion:252 Resp: 586110

Ion Ratio Lower Upper

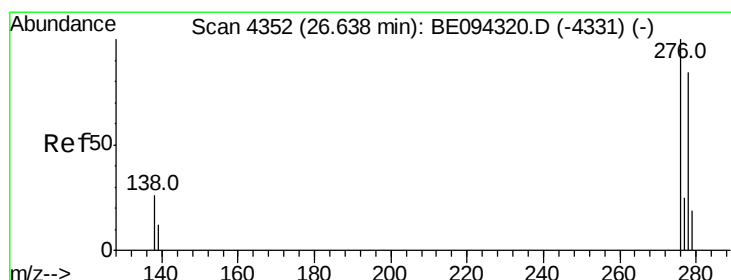
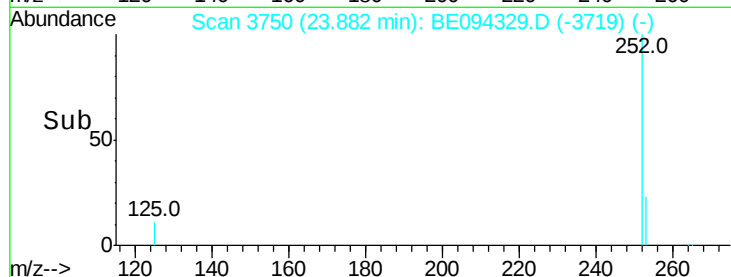
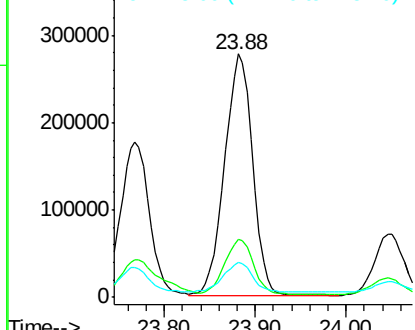
252 100

253 24.1 28.5 42.7#

125 14.2 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: 12.547 ng/ul

RT: 26.71 min Scan# 4367

Delta R.T. 0.07 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

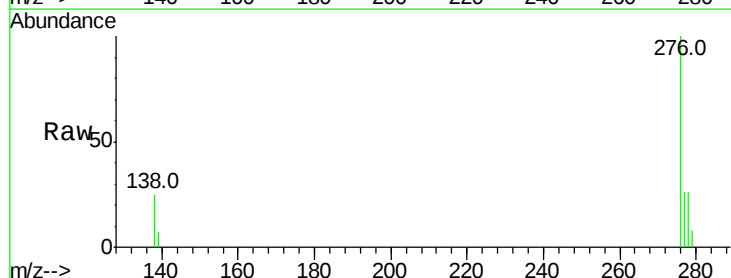
Tgt Ion:276 Resp: 339222

Ion Ratio Lower Upper

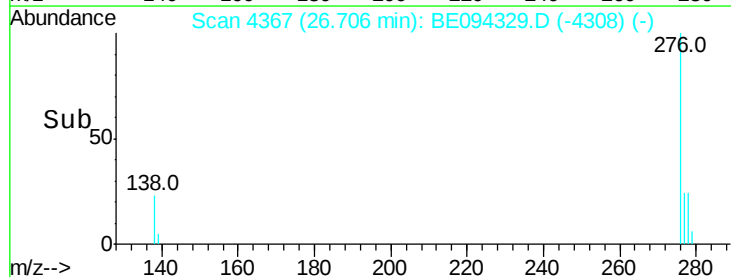
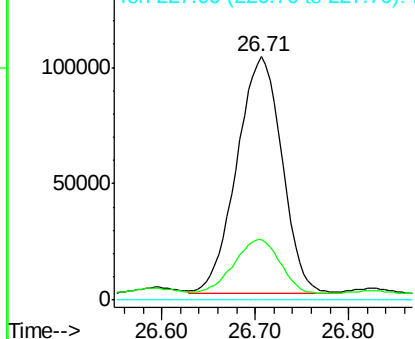
276 100

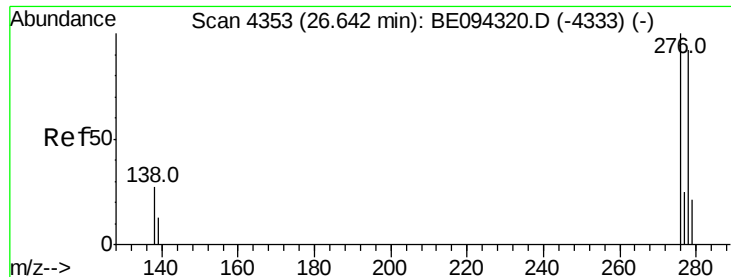
138 23.6 28.0 42.0#

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: 4.343 ng/ul

RT: 26.71 min Scan# 4367

Delta R.T. 0.06 min

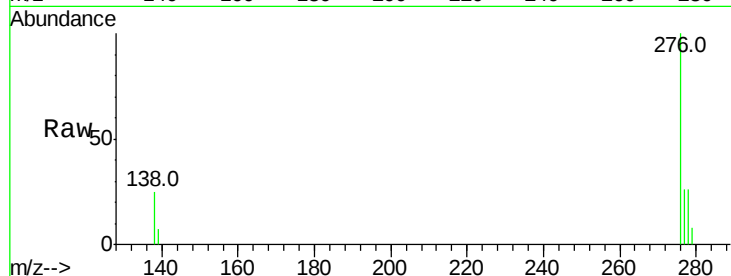
Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Instrument :

BNA_E

ClientSampleId :



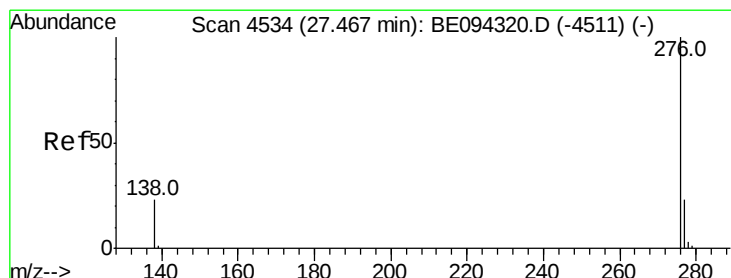
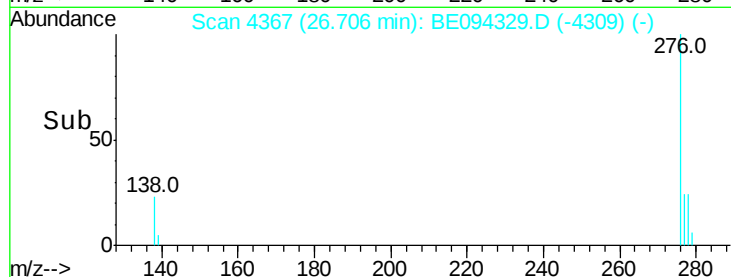
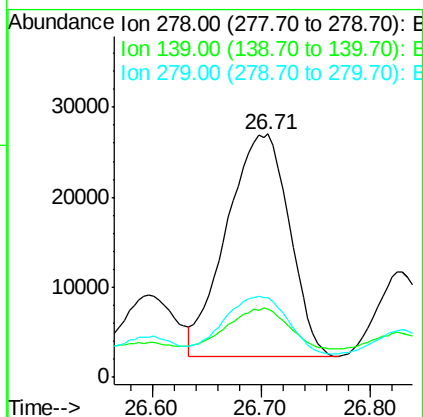
Tot Ion:278 Resp: 98501

Ion Ratio Lower Upper

278 100

139 28.2 17.4 26.0#

279 32.5 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 12.346 ng/ul

RT: 27.55 min Scan# 4553

Delta R.T. 0.09 min

Lab File: BE094329.D

Acq: 13 Oct 2017 18:09

Tgt Ion:276 Resp: 287916

Ion Ratio Lower Upper

276 100

138 26.0 21.8 32.8

277 26.7 20.5 30.7

