

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094731.D
 Acq On : 4 Nov 2017 5:10
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.474

Quant Time: Nov 04 06:41:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 02:38:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1091	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6752	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3650	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7845	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8095	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	7694	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	3979	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	8992	0.39	ng/ul	0.00

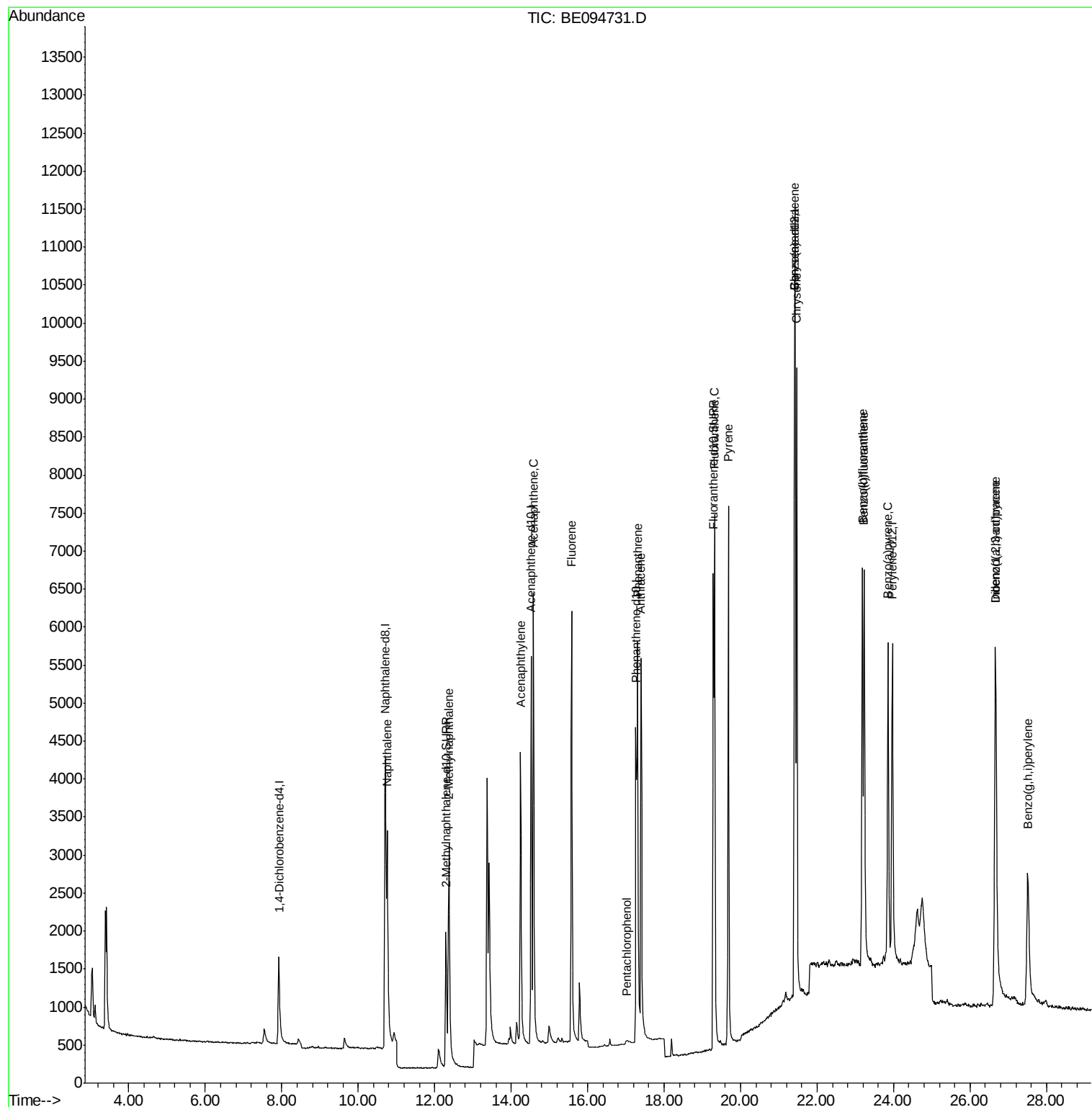
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.75	128	6007	0.36	ng/ul#	94
5) 2-Methylnaphthalene	12.37	142	4094	0.35	ng/ul	99
7) Acenaphthylene	14.24	152	6078	0.37	ng/ul	98
8) Acenaphthene	14.58	153	4370	0.37	ng/ul	98
9) Fluorene	15.58	166	4839	0.36	ng/ul	91
11) Pentachlorophenol	17.01	266	176	0.45	ng/ul	96
12) Phenanthrene	17.31	178	7825	0.38	ng/ul#	93
13) Anthracene	17.39	178	7991	0.39	ng/ul#	92
15) Fluoranthene	19.32	202	9411	0.39	ng/ul	84
17) Pyrene	19.68	202	9949	0.40	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	9018	0.39	ng/ul#	87
19) Chrysene	21.47	228	8841	0.37	ng/ul	97
21) Benzo(b)fluoranthene	23.19	252	8181	0.38	ng/ul	92
22) Benzo(k)fluoranthene	23.23	252	8793	0.38	ng/ul#	93
23) Benzo(a)pyrene	23.86	252	8243	0.38	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	26.67	276	7505	0.34	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.67	278	6431	0.34	ng/ul#	93
26) Benzo(g,h,i)perylene	27.51	276	5689	0.32	ng/ul#	89

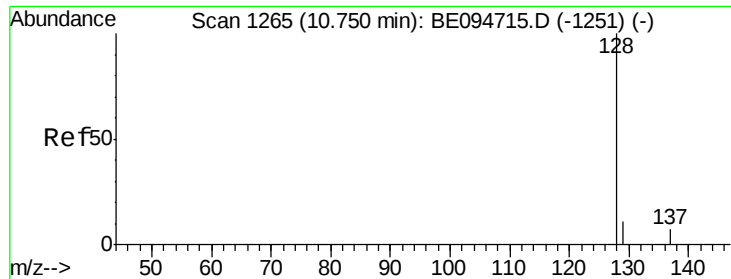
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
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ALS Vial : 2 Sample Multiplier: 1

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#3

Naphthalene

Concen: 0.36 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

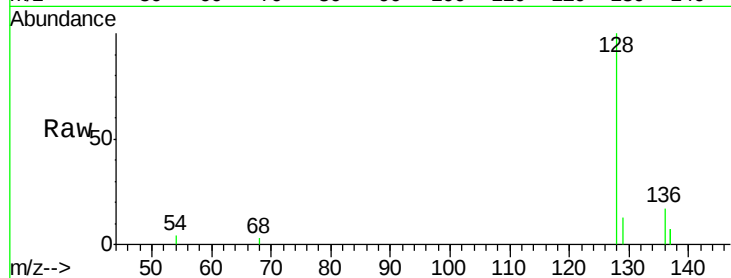
Tot Ion:128 Resp: 6007

Ion Ratio Lower Upper

128 100

129 12.8 11.3 16.9

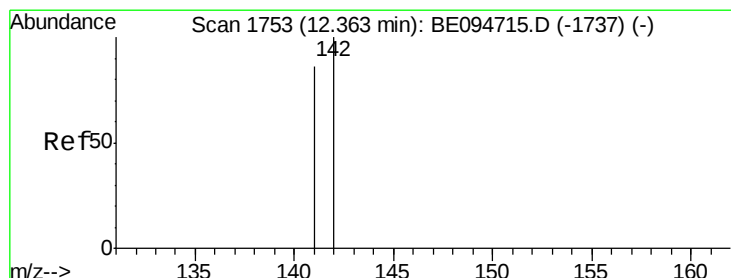
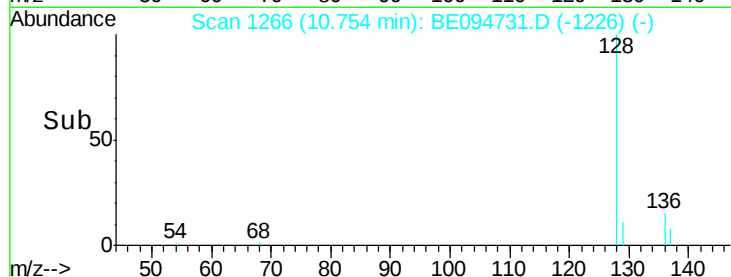
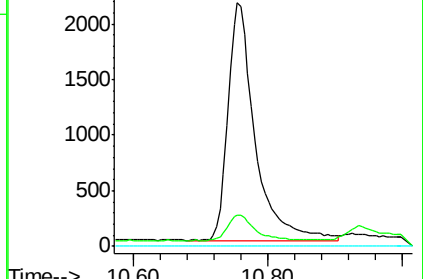
127 0.0 4.0 6.0#



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: 0.35 ng/ul

RT: 12.37 min Scan# 1755

Delta R.T. 0.01 min

Lab File: BE094731.D

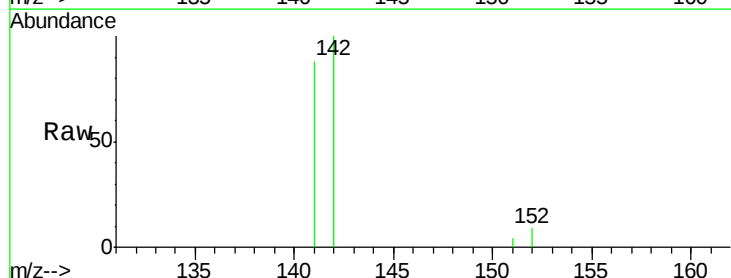
Acq: 4 Nov 2017 5:10

Tgt Ion:142 Resp: 4094

Ion Ratio Lower Upper

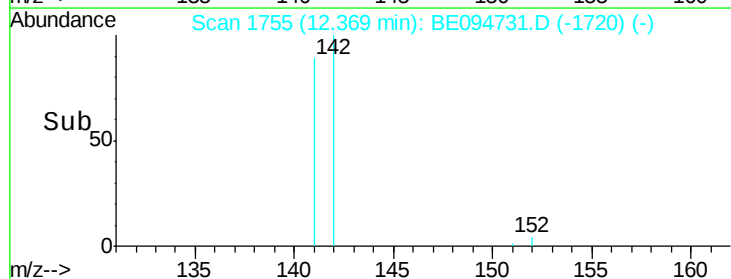
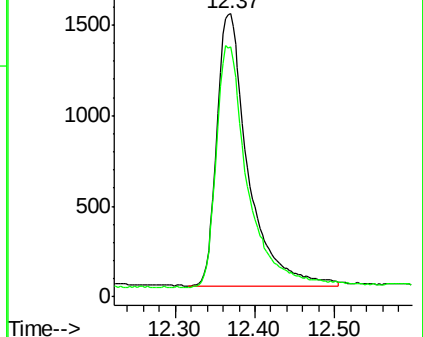
142 100

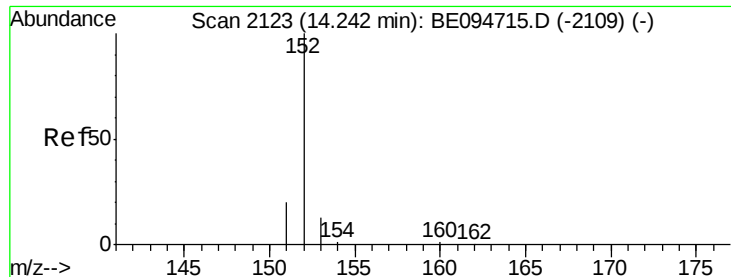
141 89.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.37 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

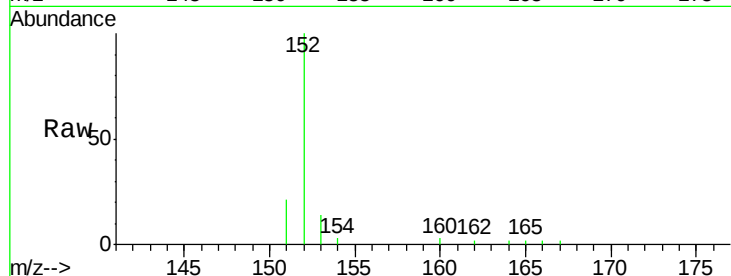
Tot Ion:152 Resp: 6078

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

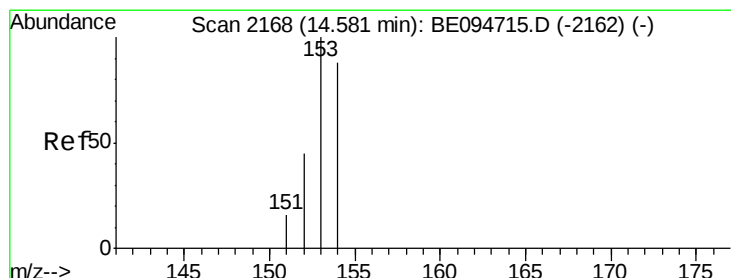
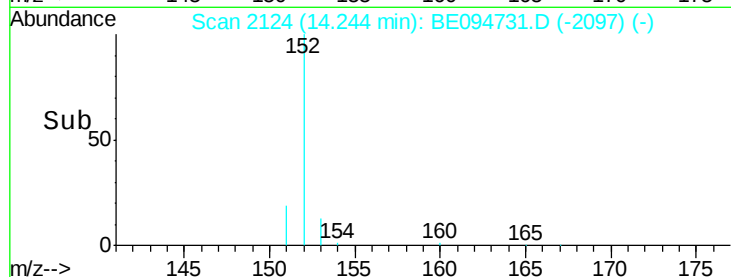
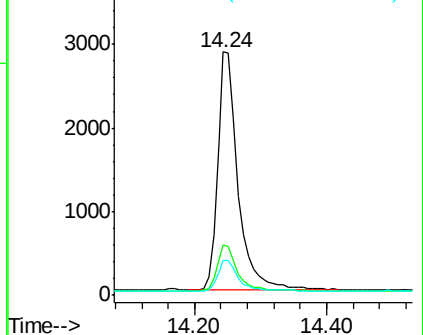
153 14.5 12.8 19.2



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: 0.37 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

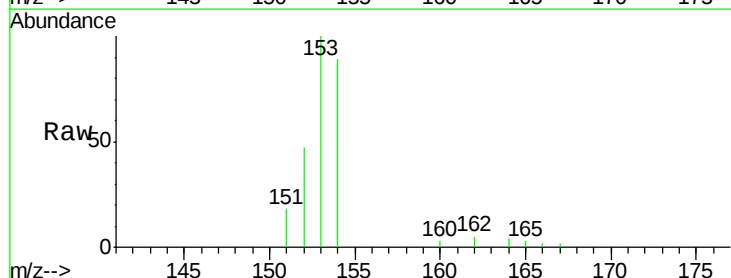
Tgt Ion:153 Resp: 4370

Ion Ratio Lower Upper

153 100

152 47.3 36.0 54.0

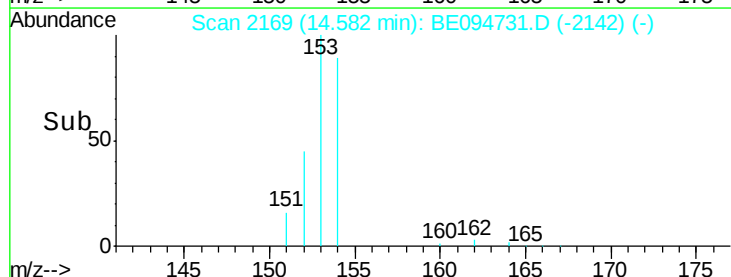
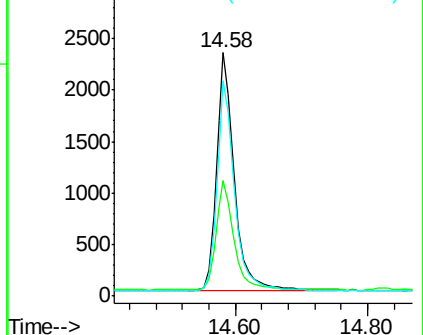
154 88.5 72.0 108.0

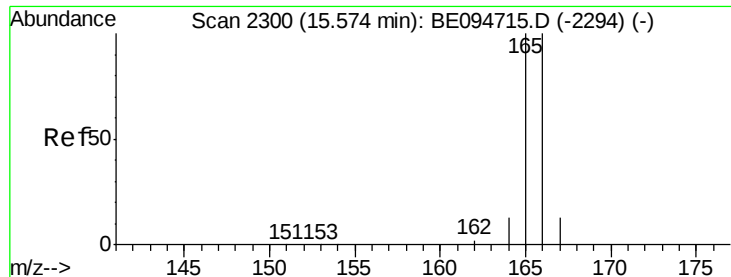


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

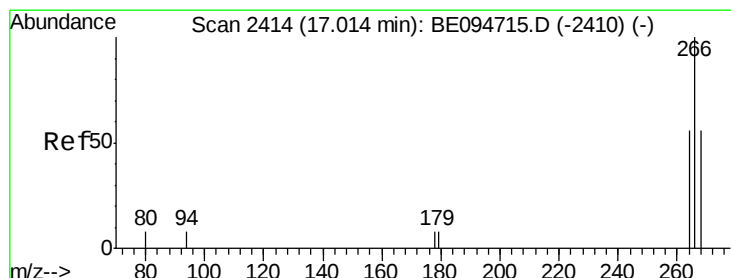
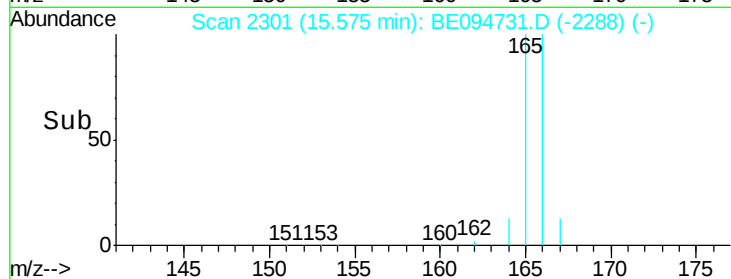
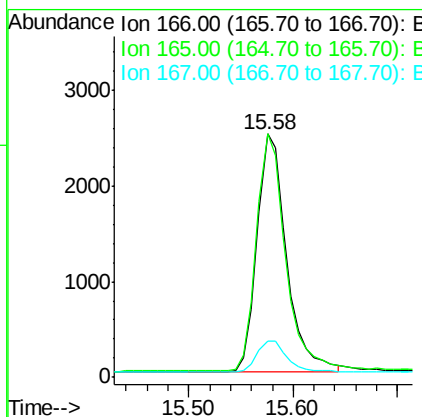
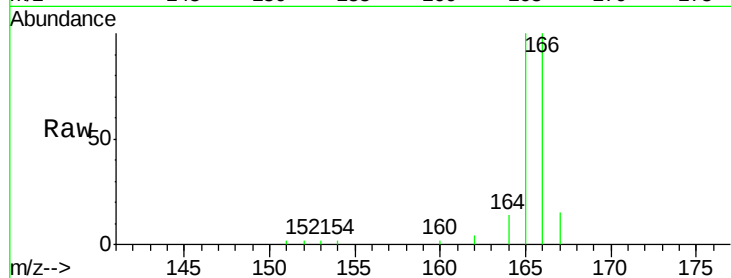




#9
Fluorene
 Concen: 0.36 ng/ul
 RT: 15.58 min Scan# 2301
 Delta R.T. 0.00 min
 Lab File: BE094731.D
 Acq: 4 Nov 2017 5:10

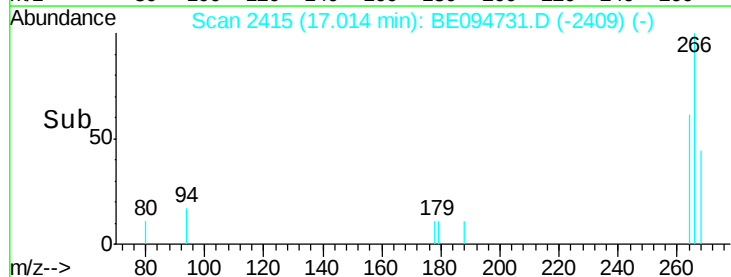
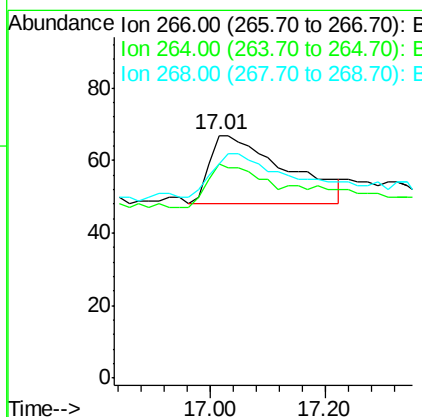
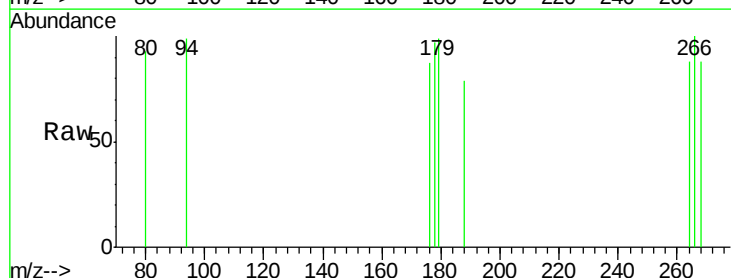
Instrument :
 BNA_E
 ClientSampleId :
 SST0.474

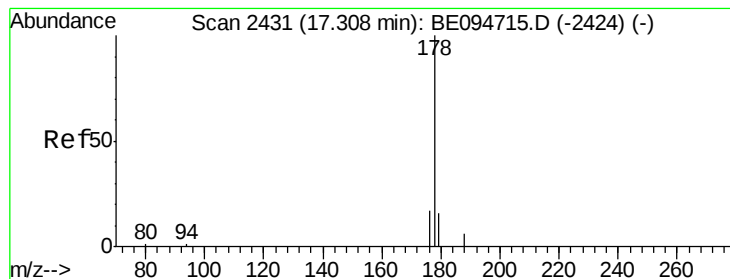
Tot Ion:166 Resp: 4839
 Ion Ratio Lower Upper
 166 100
 165 100.1 73.4 110.2
 167 15.0 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.45 ng/ul
 RT: 17.01 min Scan# 2415
 Delta R.T. 0.00 min
 Lab File: BE094731.D
 Acq: 4 Nov 2017 5:10

Tgt Ion:266 Resp: 176
 Ion Ratio Lower Upper
 266 100
 264 64.2 47.9 71.9
 268 60.8 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

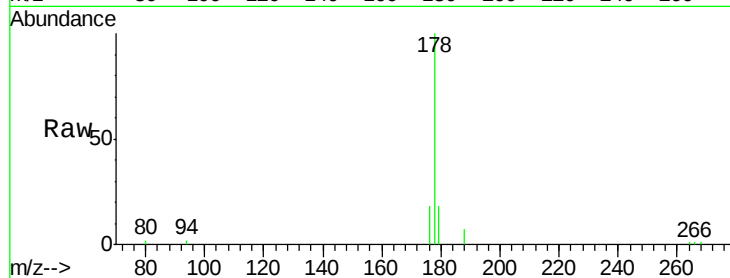
Tot Ion:178 Resp: 7825

Ion Ratio Lower Upper

178 100

179 17.6 18.4 27.6#

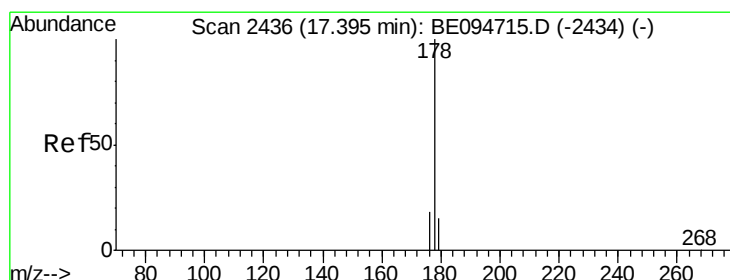
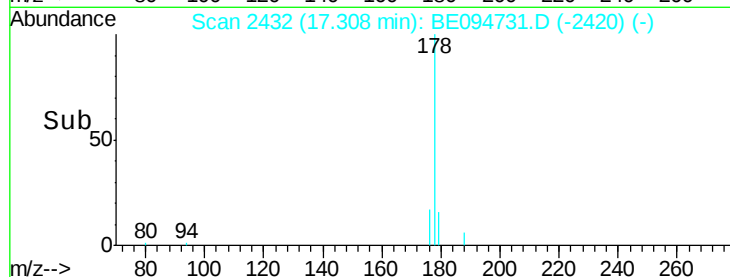
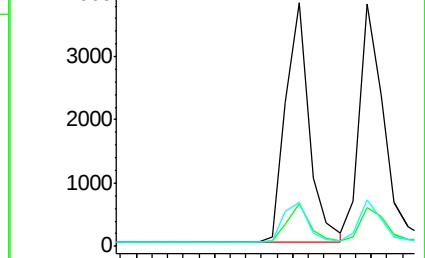
176 17.8 13.6 20.4



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: 0.39 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

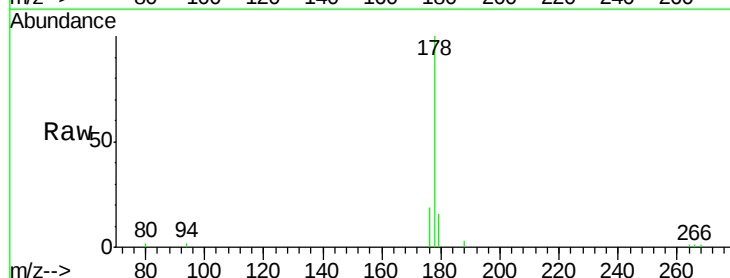
Tgt Ion:178 Resp: 7991

Ion Ratio Lower Upper

178 100

179 16.1 18.1 27.1#

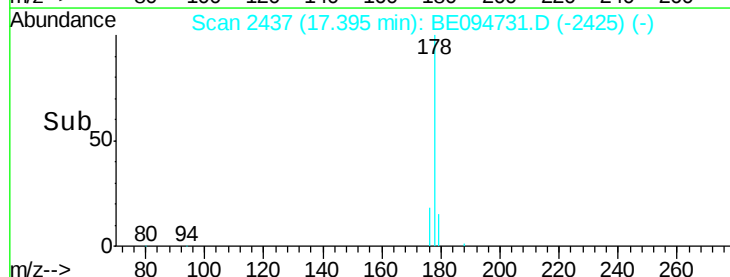
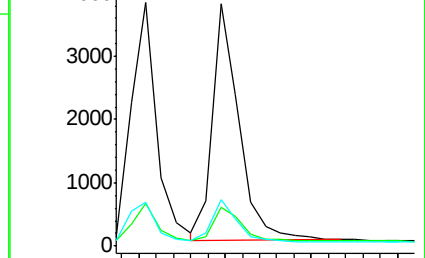
176 19.3 14.7 22.1

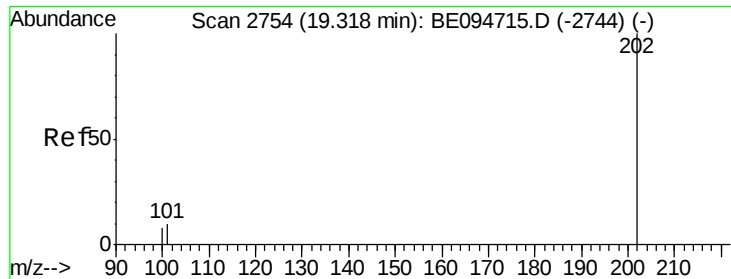


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

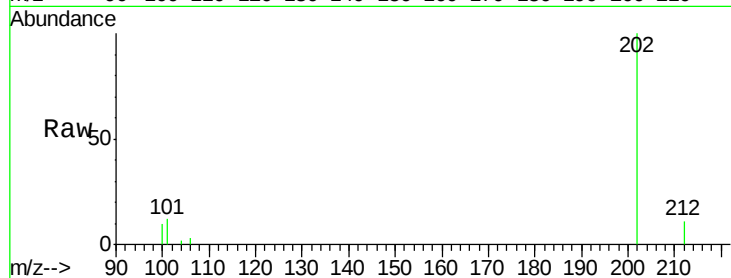
Tot Ion:202 Resp: 9411

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

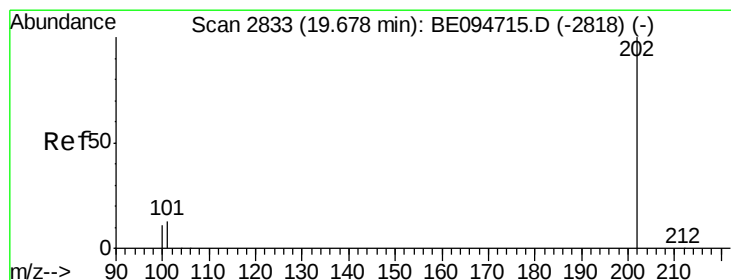
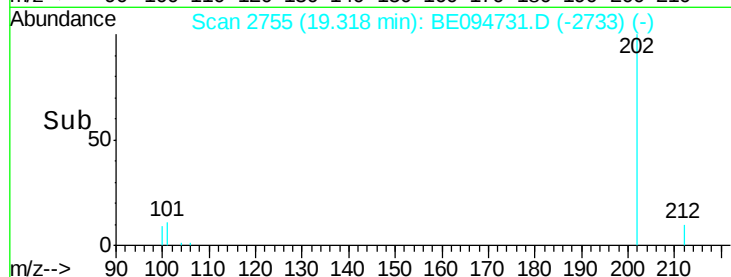
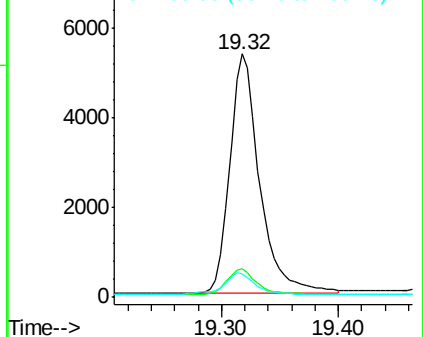
100 9.5 0.0 39.5



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: 0.40 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

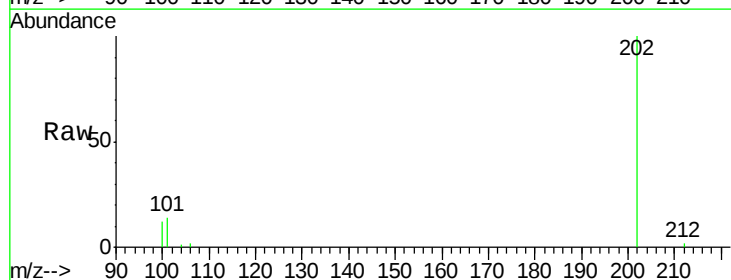
Tgt Ion:202 Resp: 9949

Ion Ratio Lower Upper

202 100

101 14.4 18.2 27.4#

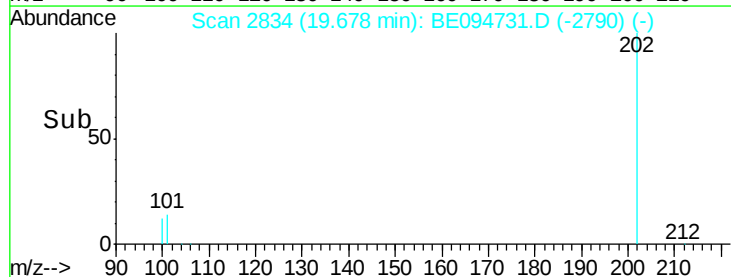
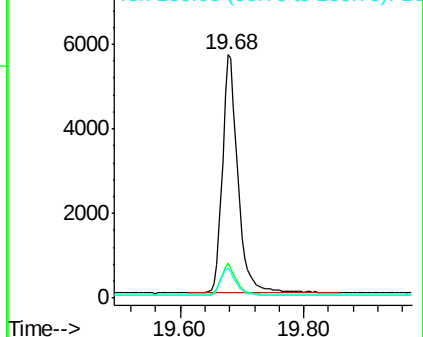
100 12.3 15.6 23.4#

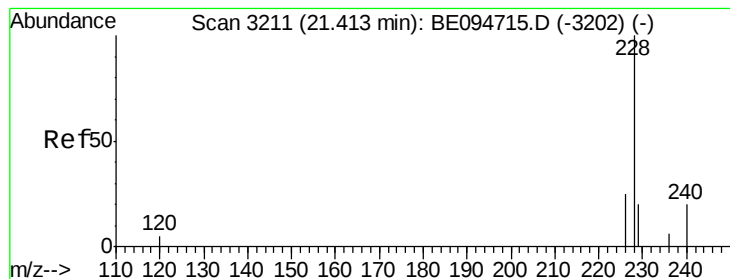


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.41 min Scan# 3212

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

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ClientSampleId :

SSTD0.474

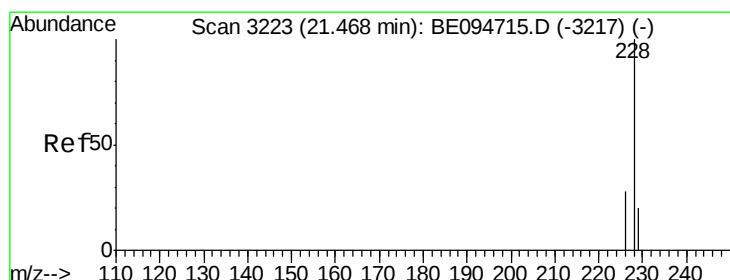
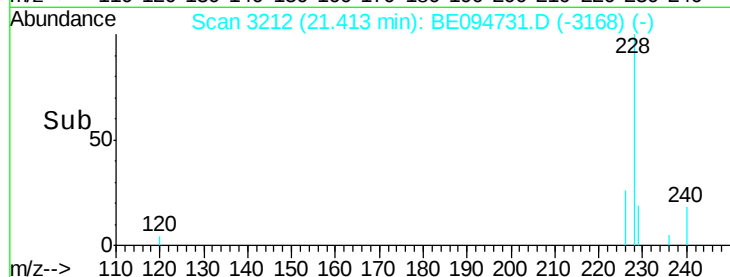
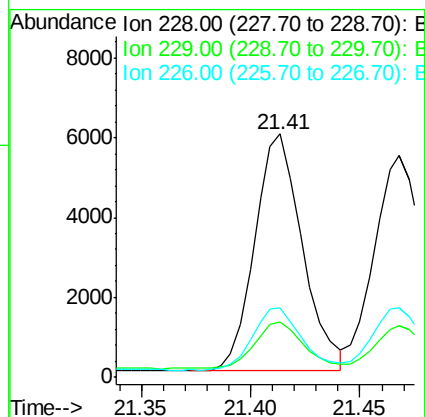
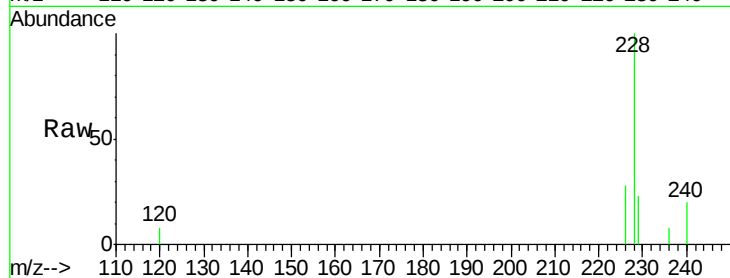
Tot Ion:228 Resp: 9018

Ion Ratio Lower Upper

228 100

229 22.8 22.8 34.2#

226 28.3 17.0 25.6#



#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

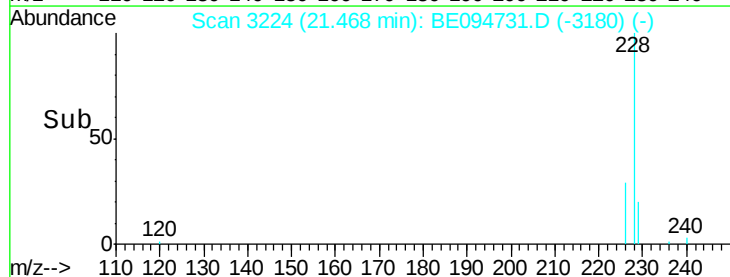
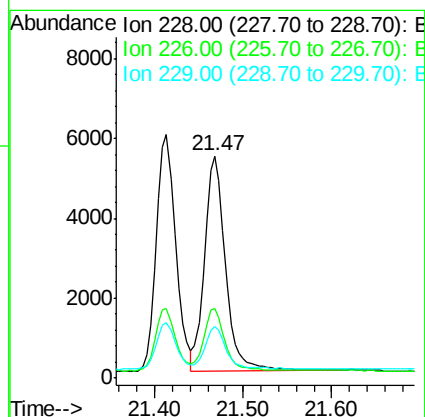
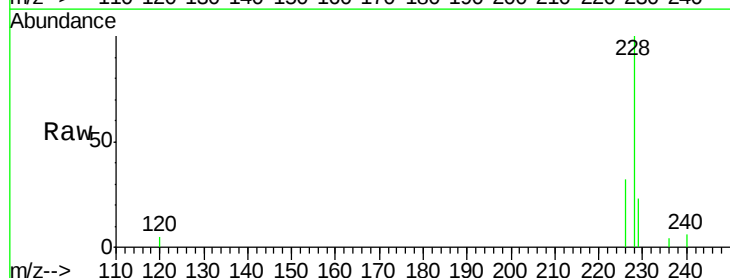
Tgt Ion:228 Resp: 8841

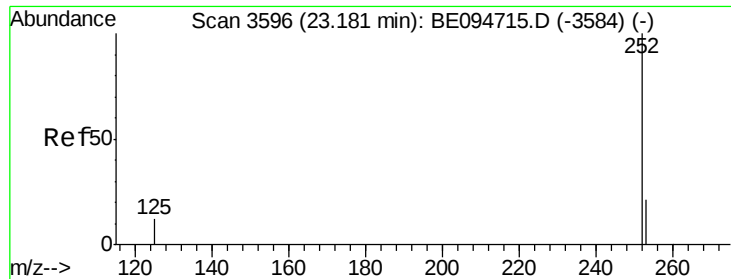
Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.0

229 23.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

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SSTD0.474

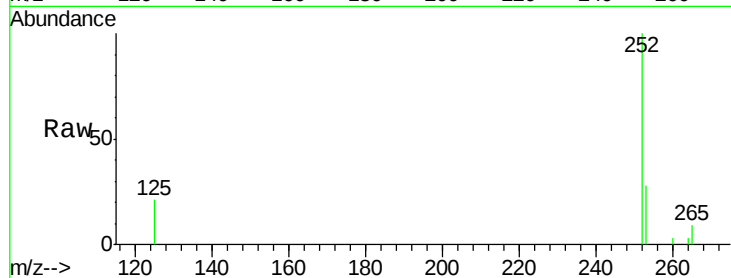
Tot Ion:252 Resp: 8181

Ion Ratio Lower Upper

252 100

253 27.7 0.0 64.2

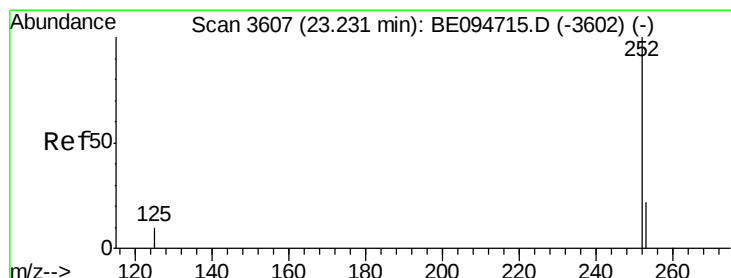
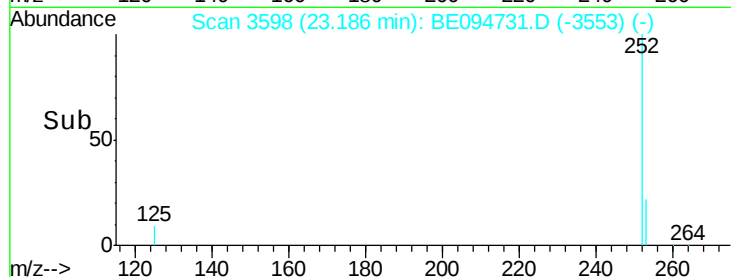
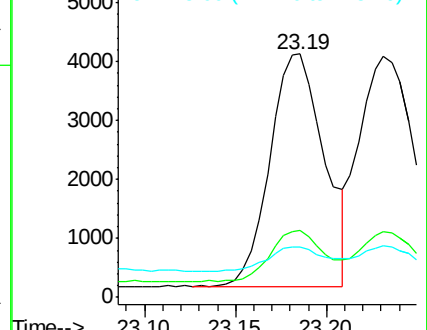
125 20.6 0.0 35.0



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: 0.38 ng/ul

RT: 23.23 min Scan# 3608

Delta R.T. -0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

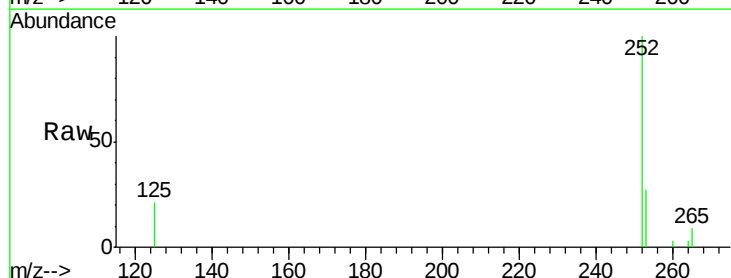
Tgt Ion:252 Resp: 8793

Ion Ratio Lower Upper

252 100

253 27.3 24.5 36.7

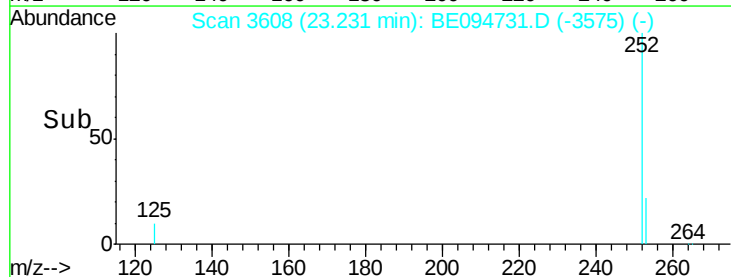
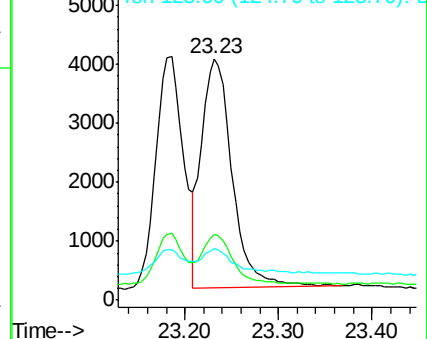
125 21.4 13.7 20.5#

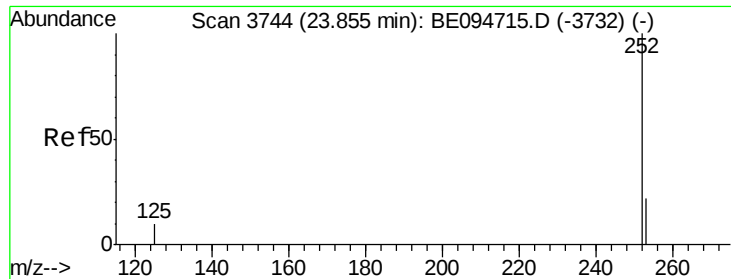


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

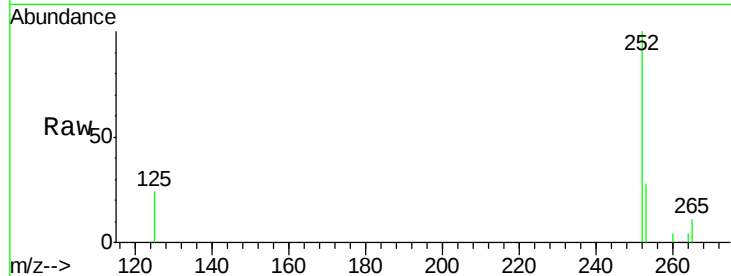
Tot Ion:252 Resp: 8243

Ion Ratio Lower Upper

252 100

253 28.4 28.5 42.7#

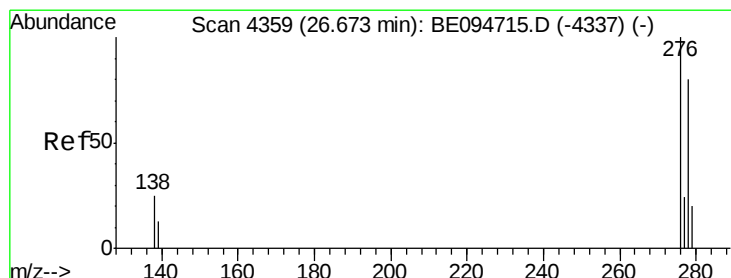
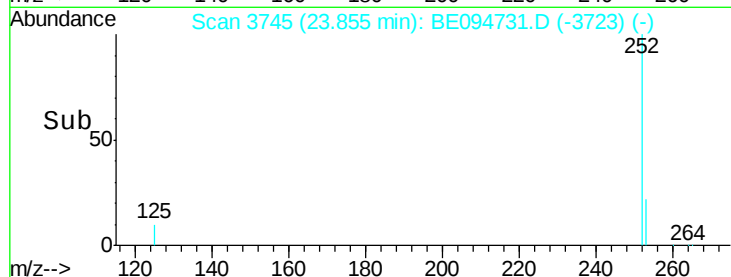
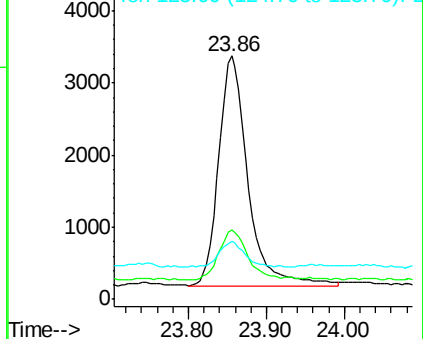
125 23.6 18.1 27.1



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: 0.34 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. -0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

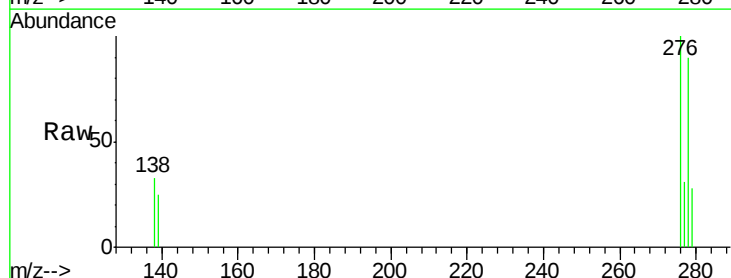
Tgt Ion:276 Resp: 7505

Ion Ratio Lower Upper

276 100

138 24.7 28.0 42.0#

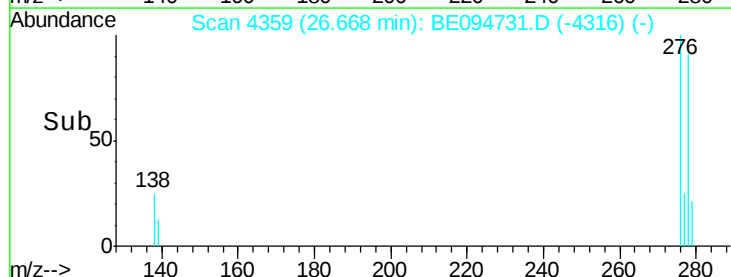
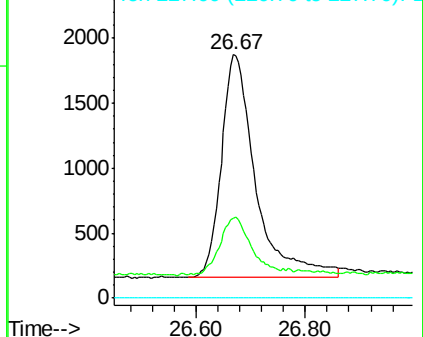
227 0.0 8.0 12.0#

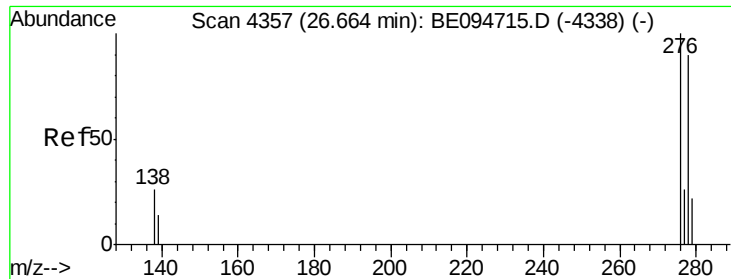


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.34 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

Instrument :

BNA_E

ClientSampleId :

SSTD0.474

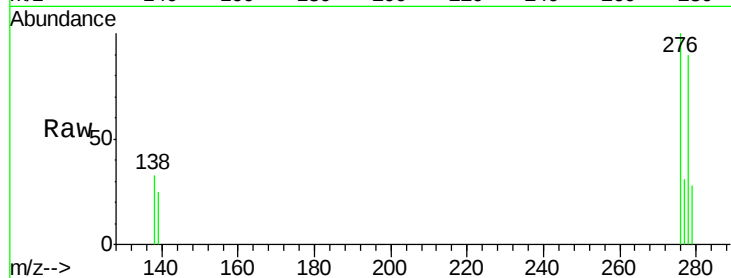
Tot Ion:278 Resp: 6431

Ion Ratio Lower Upper

278 100

139 27.7 17.4 26.0#

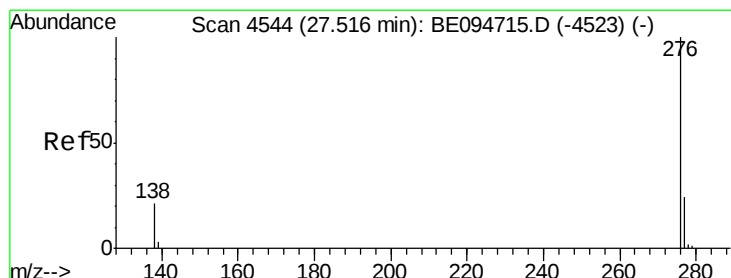
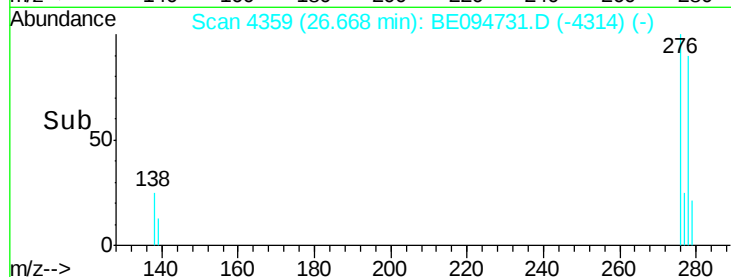
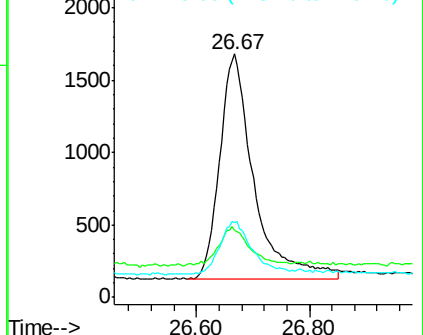
279 30.8 25.9 38.9



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(g,h,i)perylene

Concen: 0.32 ng/ul

RT: 27.51 min Scan# 4544

Delta R.T. -0.00 min

Lab File: BE094731.D

Acq: 4 Nov 2017 5:10

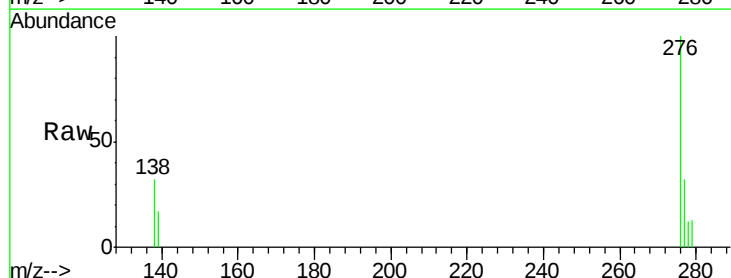
Tgt Ion:276 Resp: 5689

Ion Ratio Lower Upper

276 100

138 32.0 21.8 32.8

277 32.4 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

