

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100717\
 Data File : BE094213.D
 Acq On : 7 Oct 2017 21:37
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 07 23:54:20 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

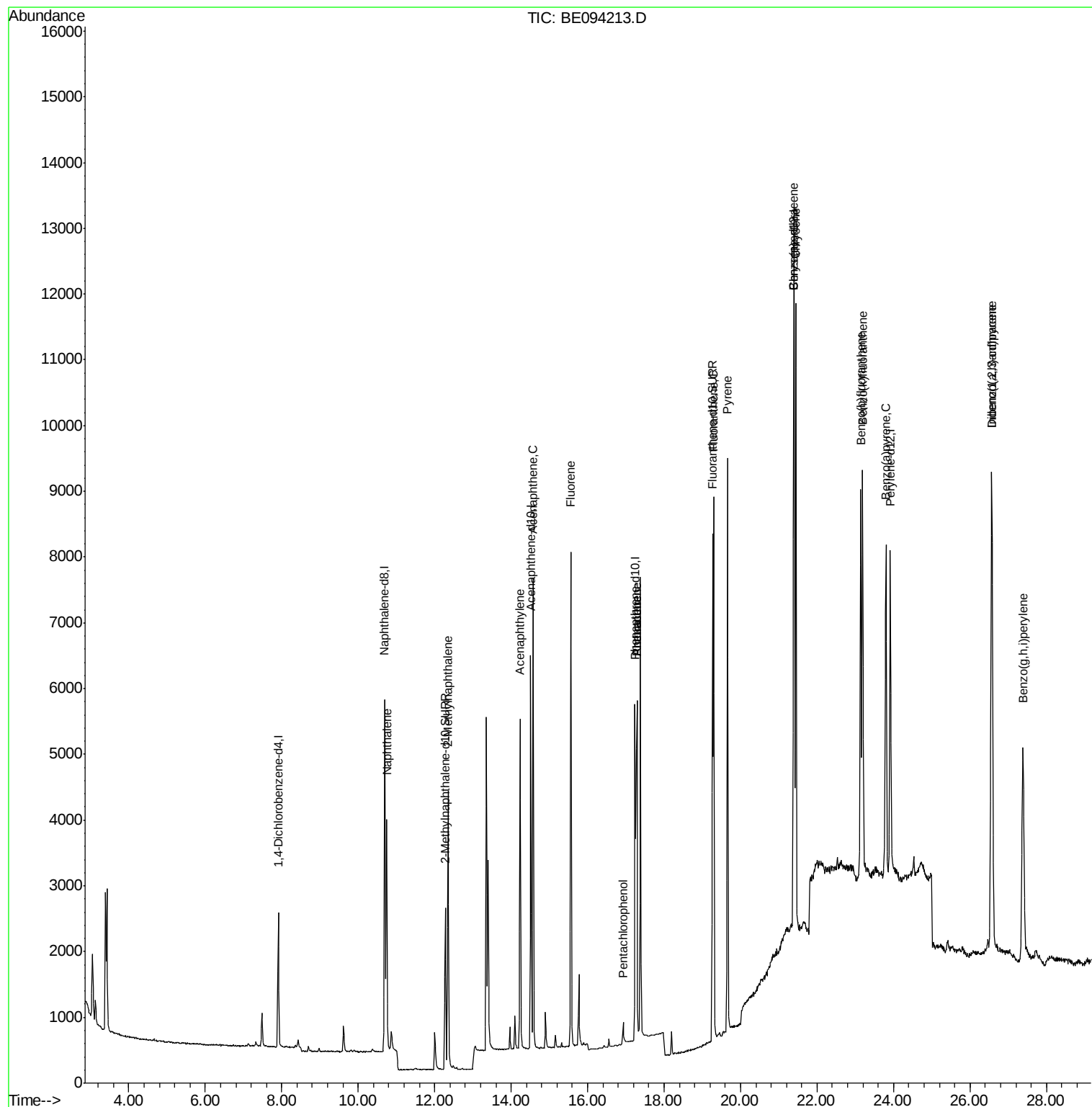
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1108	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6097	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	3474	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	7474	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	7537	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7594	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3790	0.40	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	9311	0.37	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	5740	0.384	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	4019	0.415	ng/ul	98
7) Acenaphthylene	14.24	152	6125	0.452	ng/ul	97
8) Acenaphthene	14.57	153	4365	0.391	ng/ul	96
9) Fluorene	15.56	166	4984	0.382	ng/ul	92
11) Pentachlorophenol	16.93	266	392	0.447	ng/ul	96
12) Phenanthrene	17.29	178	7871	0.403	ng/ul	96
13) Anthracene	17.29	178	7806	0.411	ng/ul	95
15) Fluoranthene	19.30	202	9348	0.364	ng/ul	84
17) Pyrene	19.66	202	9856	0.470	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	9070	0.454	ng/ul#	89
19) Chrysene	21.45	228	8481	0.367	ng/ul	92
21) Benzo(b)fluoranthene	23.14	252	8661	0.420	ng/ul	87
22) Benzo(k)fluoranthene	23.19	252	8864	0.372	ng/ul#	88
23) Benzo(a)pyrene	23.80	252	8514	0.397	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.57	276	9539	0.435	ng/ul#	81
25) Dibenzo(a,h)anthracene	26.58	278	7952	0.432	ng/ul#	89
26) Benzo(g,h,i)perylene	27.39	276	8114	0.429	ng/ul#	85

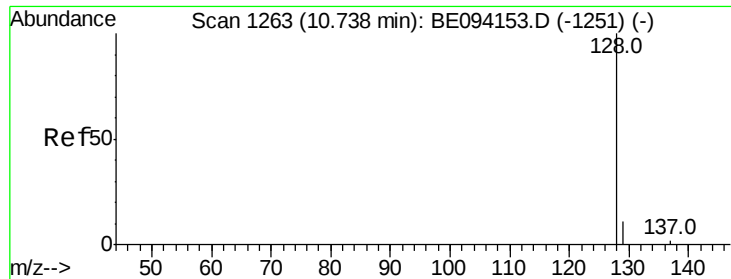
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.384 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

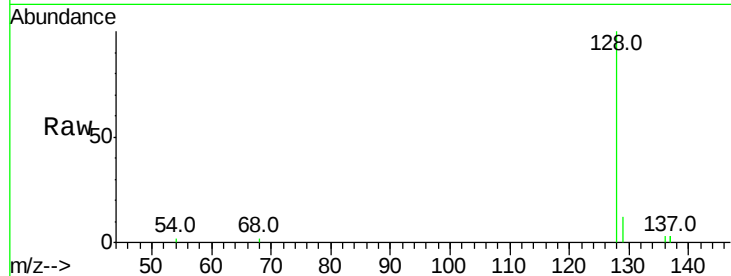
Tot Ion:128 Resp: 5740

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

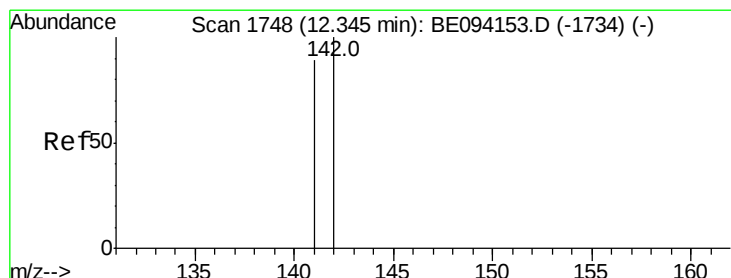
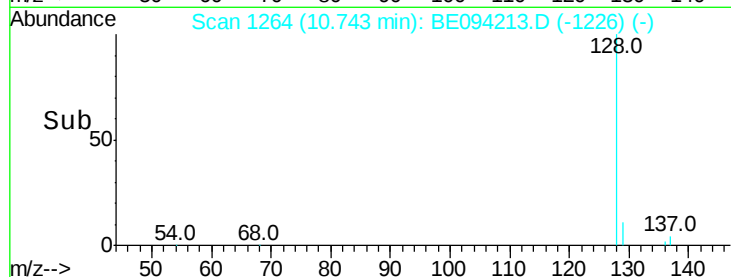
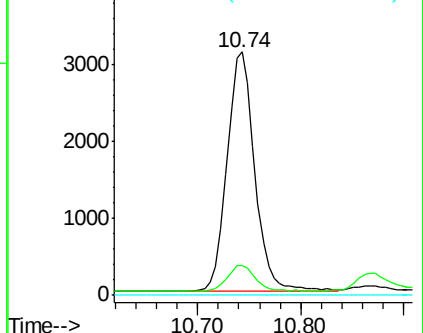
127 0.0 4.0 6.0#



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: 0.415 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094213.D

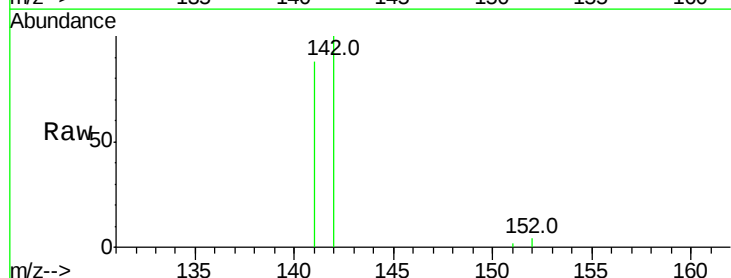
Acq: 7 Oct 2017 21:37

Tgt Ion:142 Resp: 4019

Ion Ratio Lower Upper

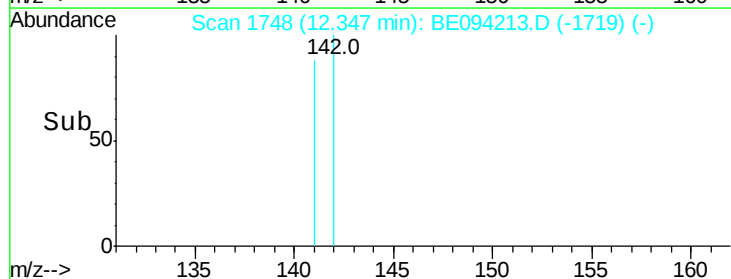
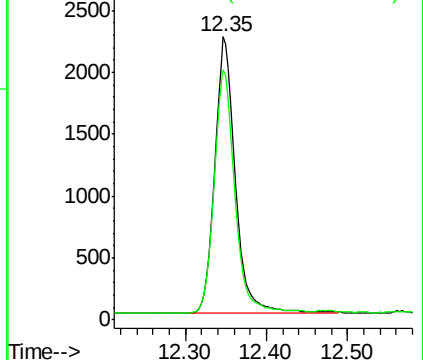
142 100

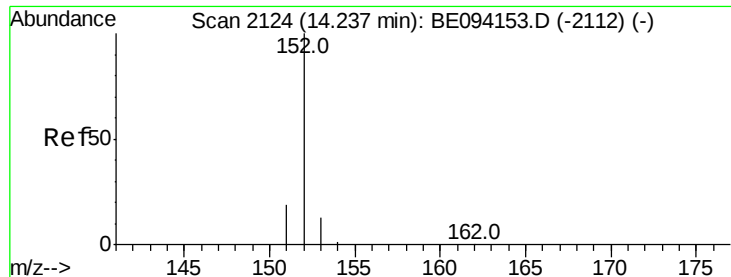
141 88.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.452 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

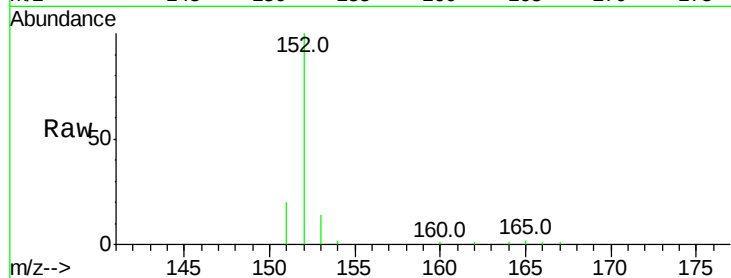
Tot Ion:152 Resp: 6125

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

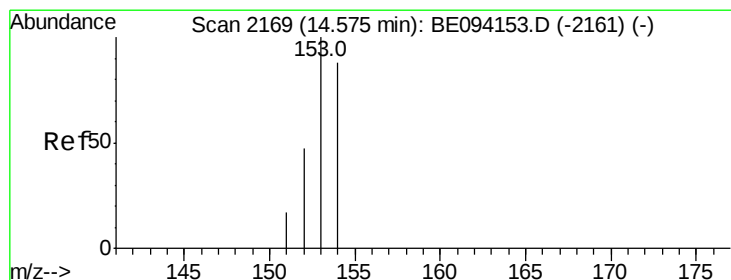
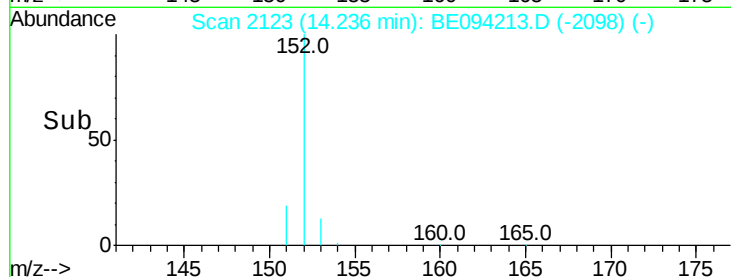
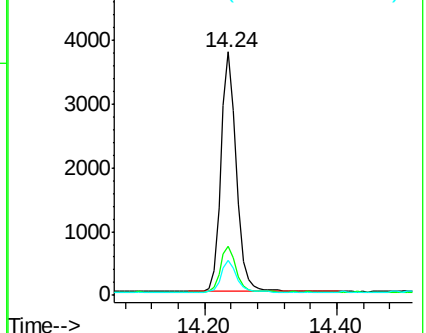
153 14.3 12.8 19.2



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: 0.391 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

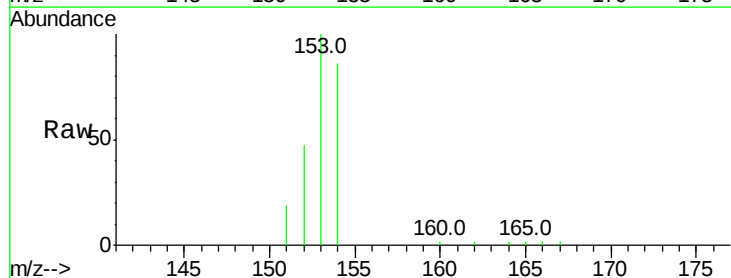
Tgt Ion:153 Resp: 4365

Ion Ratio Lower Upper

153 100

152 47.4 40.3 60.5

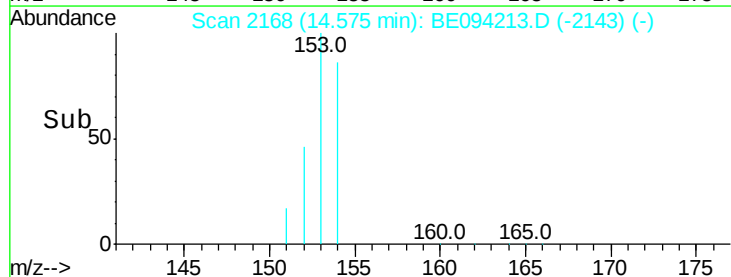
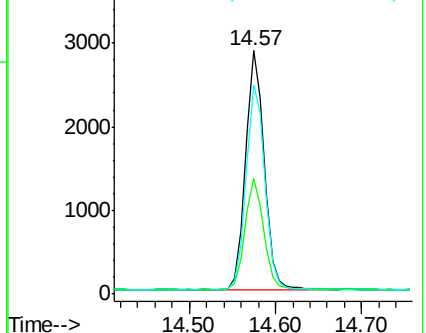
154 86.0 71.4 107.2

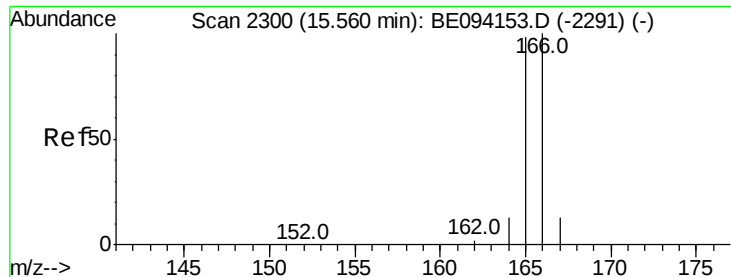


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.382 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

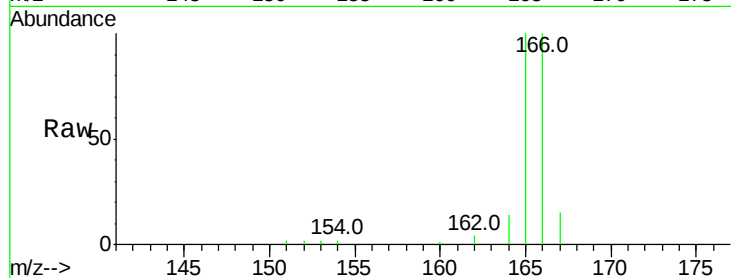
Tot Ion:166 Resp: 4984

Ion Ratio Lower Upper

166 100

165 99.7 73.4 110.2

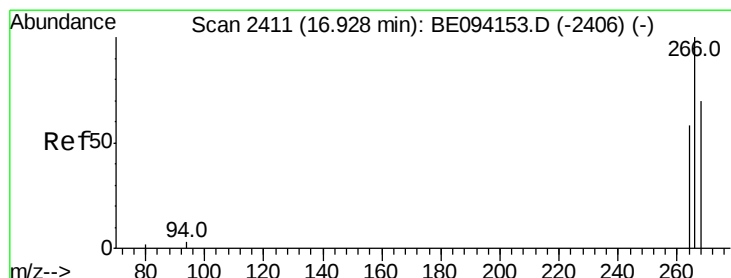
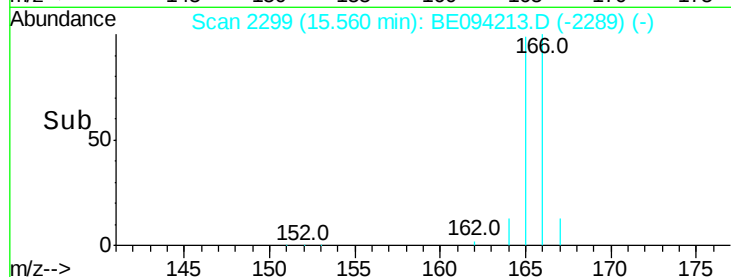
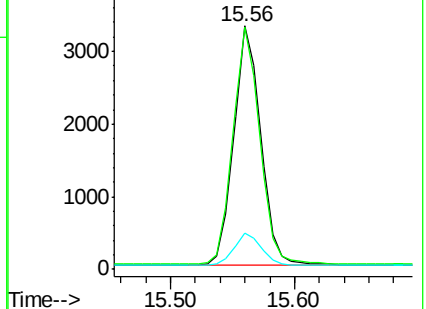
167 14.8 14.6 22.0



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: 0.447 ng/ul

RT: 16.93 min Scan# 2410

Delta R.T. -0.02 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

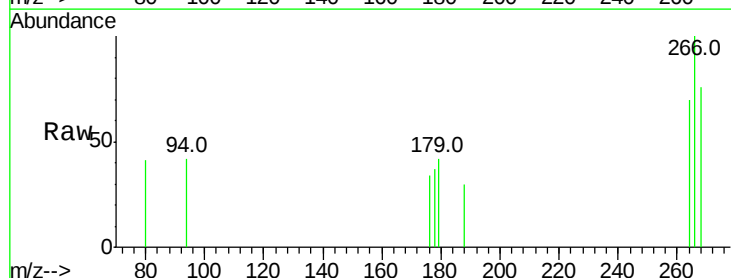
Tgt Ion:266 Resp: 392

Ion Ratio Lower Upper

266 100

264 63.0 47.9 71.9

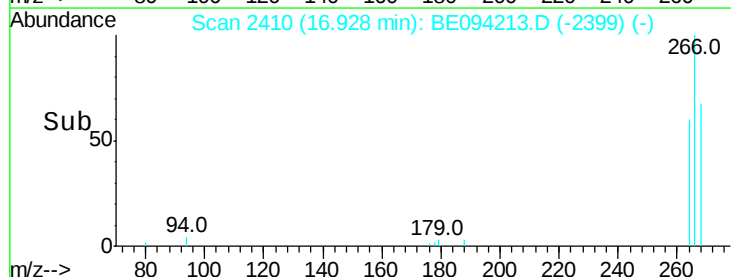
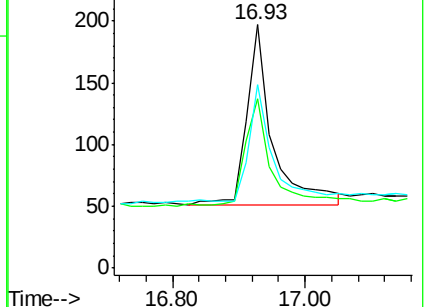
268 58.9 49.8 74.8

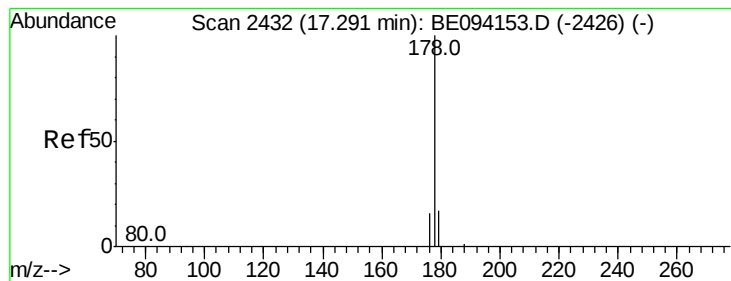


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.403 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

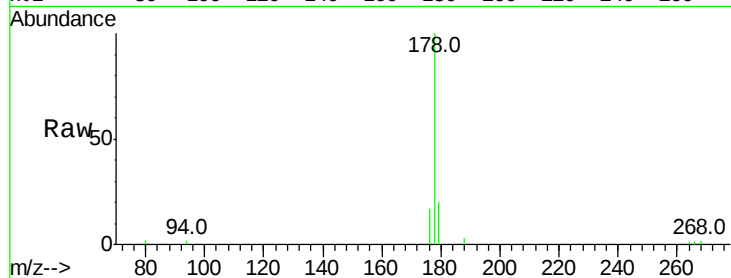
Tot Ion:178 Resp: 7871

Ion Ratio Lower Upper

178 100

179 19.5 18.4 27.6

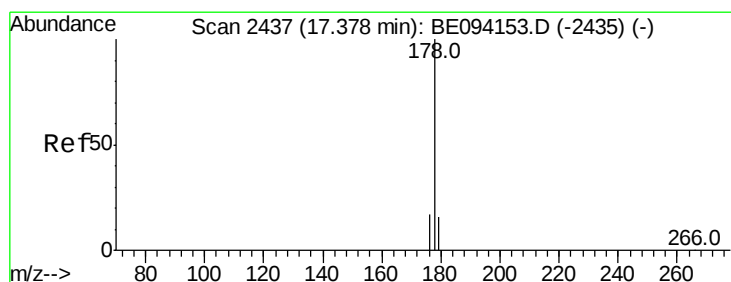
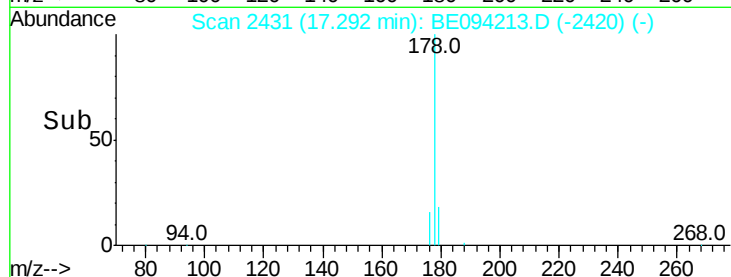
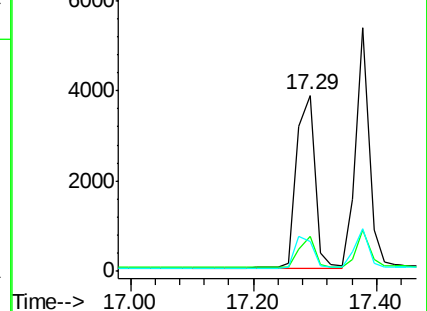
176 17.3 13.6 20.4



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: 0.411 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.10 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

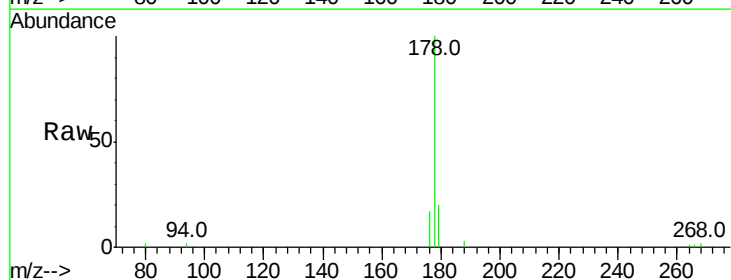
Tgt Ion:178 Resp: 7806

Ion Ratio Lower Upper

178 100

179 19.5 18.1 27.1

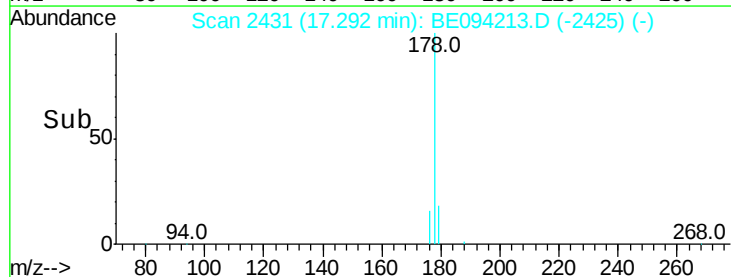
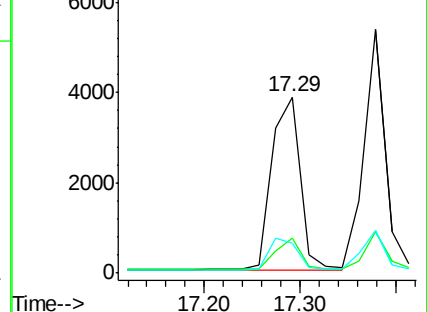
176 17.3 14.7 22.1

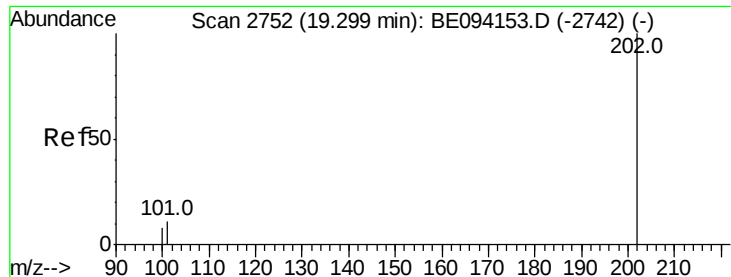


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

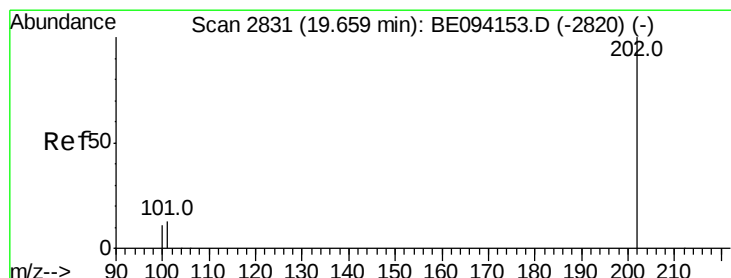
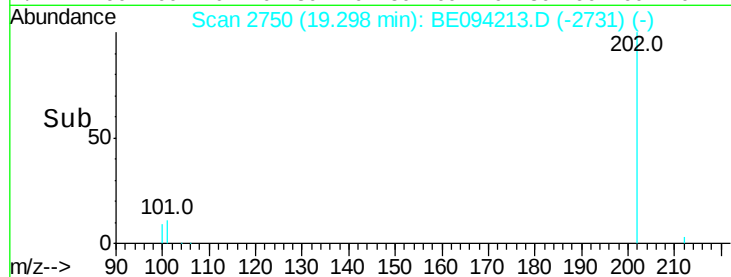
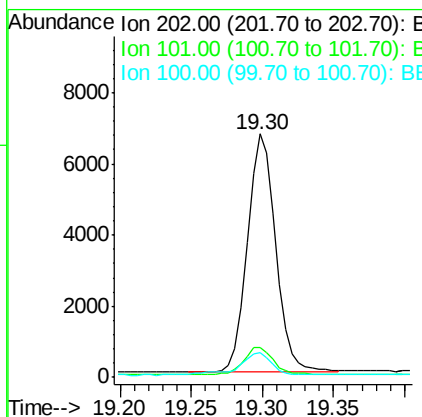
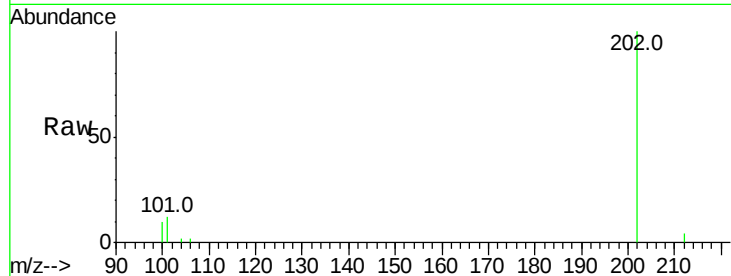




#15
Fluoranthene
 Concen: 0.364 ng/ul
 RT: 19.30 min Scan# 2750
 Delta R.T. -0.01 min
 Lab File: BE094213.D
 Acq: 7 Oct 2017 21:37

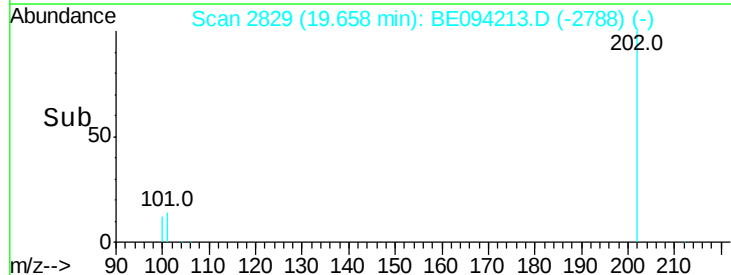
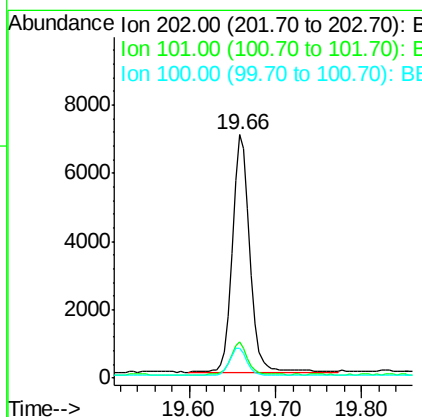
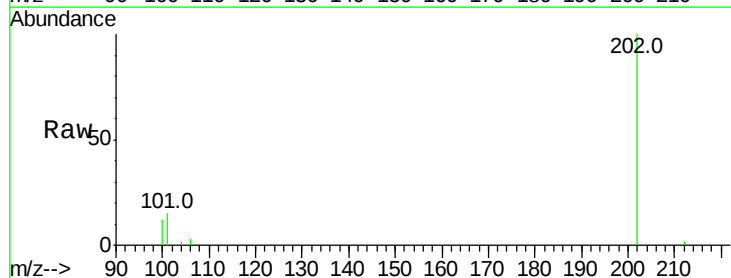
Instrument :
 BNA_E
 ClientSampleId :

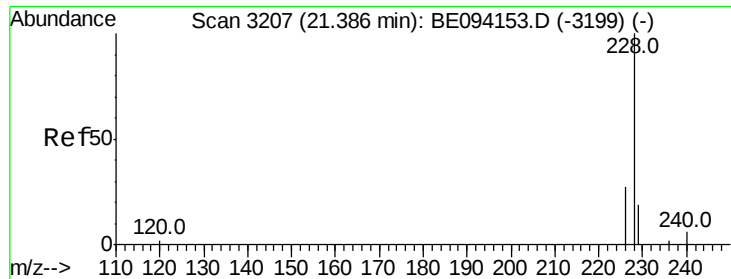
Tot Ion:202 Resp: 9348
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 30.3
 100 10.0 0.0 39.5



#17
Pyrene
 Concen: 0.470 ng/ul
 RT: 19.66 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: BE094213.D
 Acq: 7 Oct 2017 21:37

Tgt Ion:202 Resp: 9856
 Ion Ratio Lower Upper
 202 100
 101 14.8 18.2 27.4#
 100 12.5 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.454 ng/ul

RT: 21.39 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

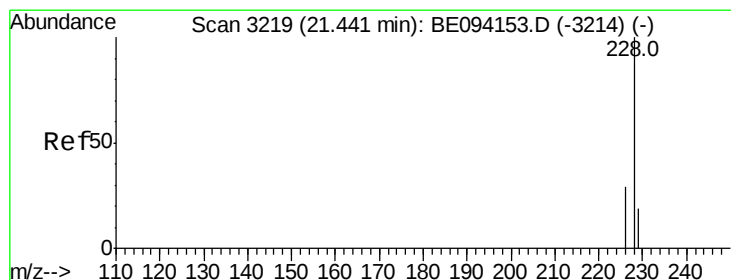
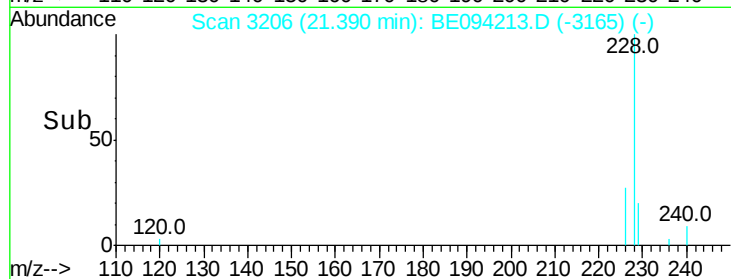
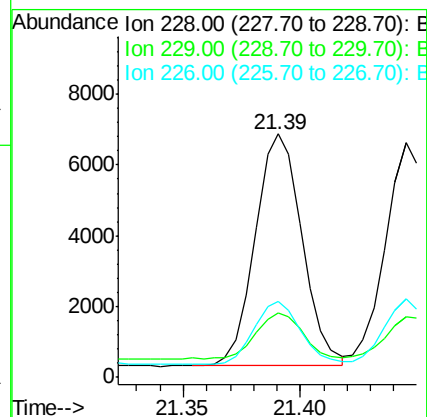
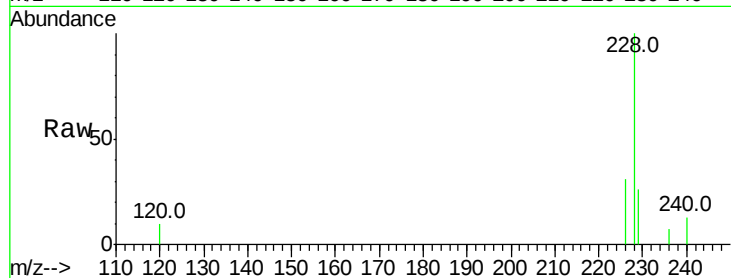
Tot Ion:228 Resp: 9070

Ion Ratio Lower Upper

228 100

229 26.3 22.8 34.2

226 31.0 17.0 25.6#



#19

Chrysene

Concen: 0.367 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

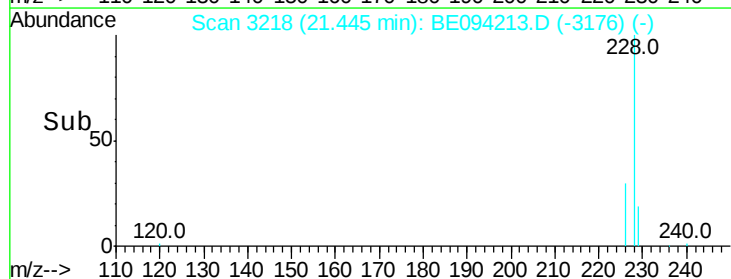
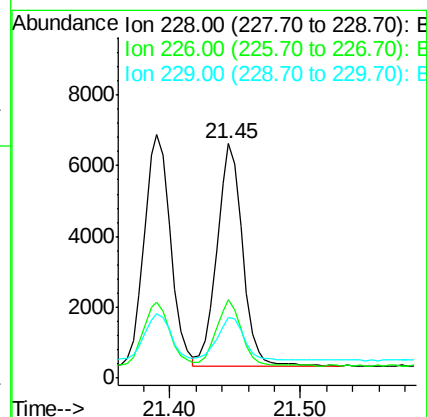
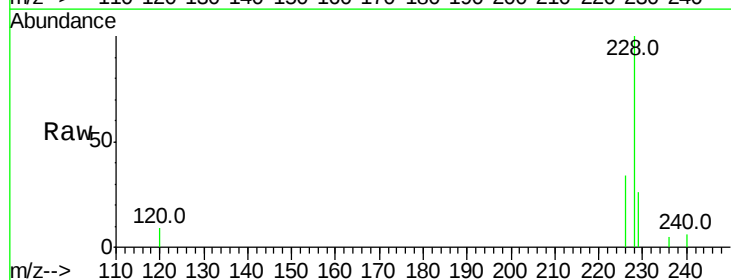
Tgt Ion:228 Resp: 8481

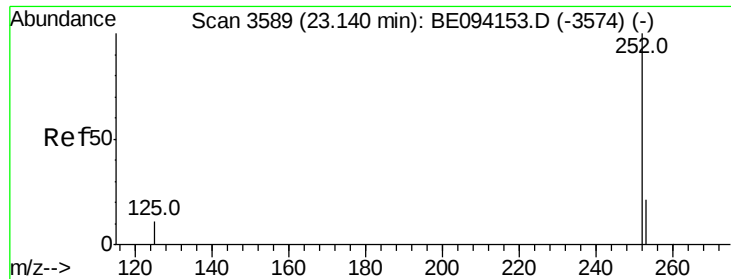
Ion Ratio Lower Upper

228 100

226 33.5 23.4 35.0

229 26.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.420 ng/ul

RT: 23.14 min Scan# 3587

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

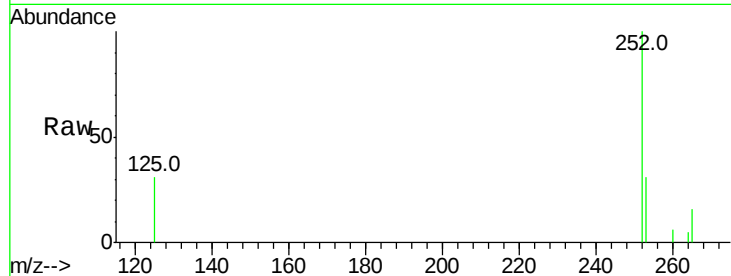
Tot Ion:252 Resp: 8661

Ion Ratio Lower Upper

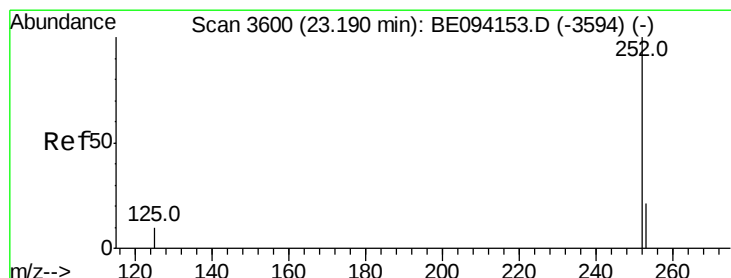
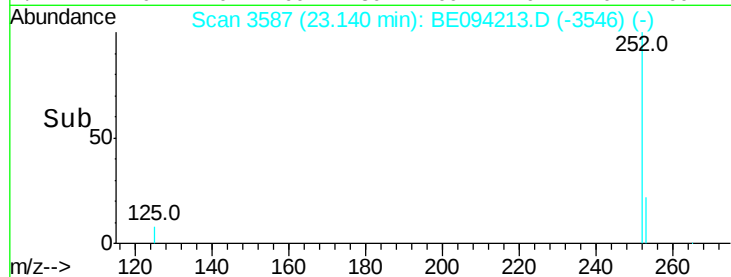
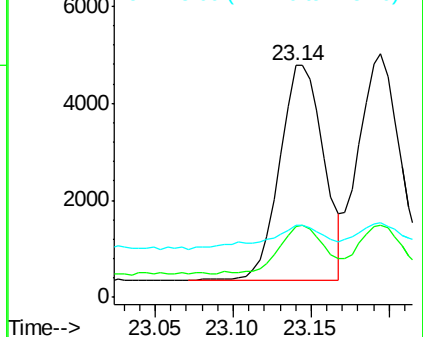
252 100

253 30.6 0.0 64.2

125 31.0 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: 0.372 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

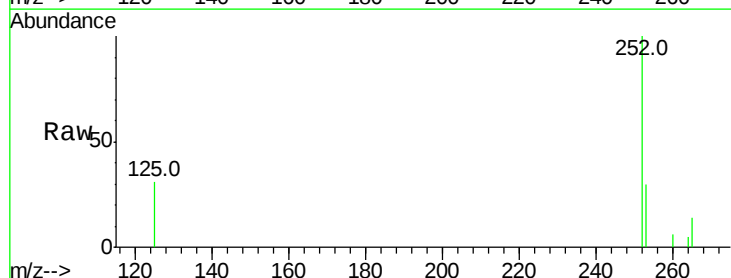
Tgt Ion:252 Resp: 8864

Ion Ratio Lower Upper

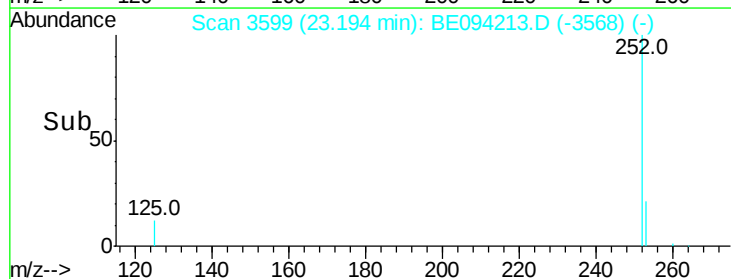
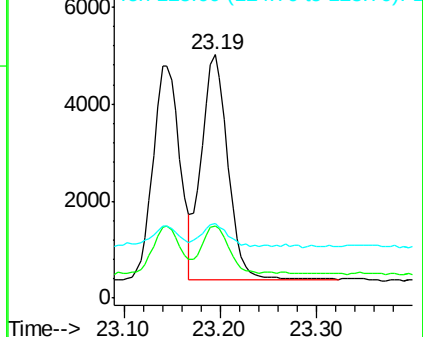
252 100

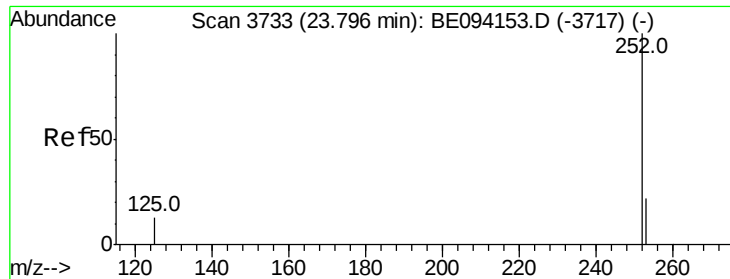
253 29.8 24.5 36.7

125 30.7 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: 0.397 ng/ul

RT: 23.80 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

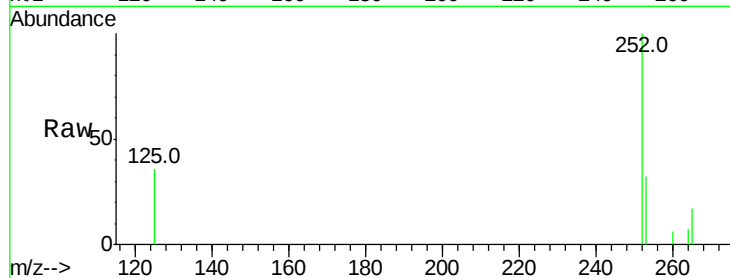
Tot Ion:252 Resp: 8514

Ion Ratio Lower Upper

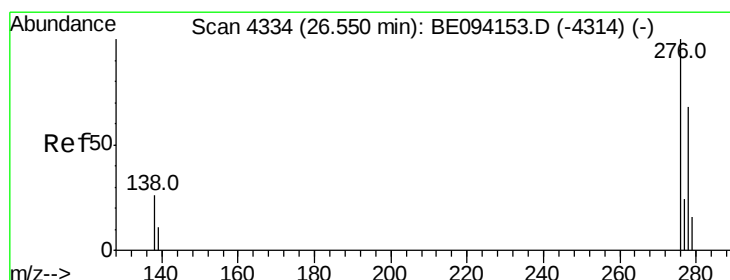
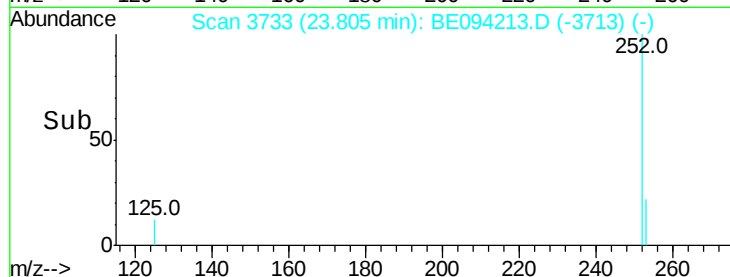
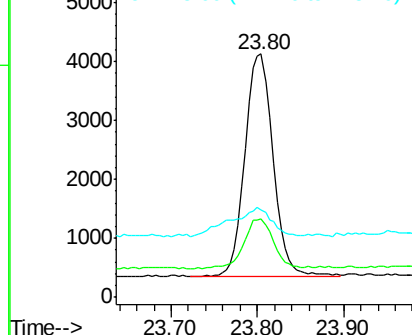
252 100

253 32.2 28.5 42.7

125 36.0 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: 0.435 ng/ul

RT: 26.57 min Scan# 4336

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

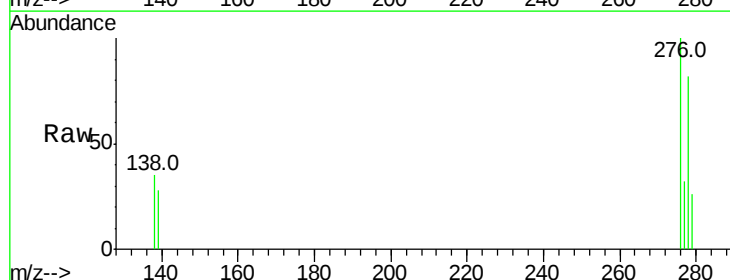
Tgt Ion:276 Resp: 9539

Ion Ratio Lower Upper

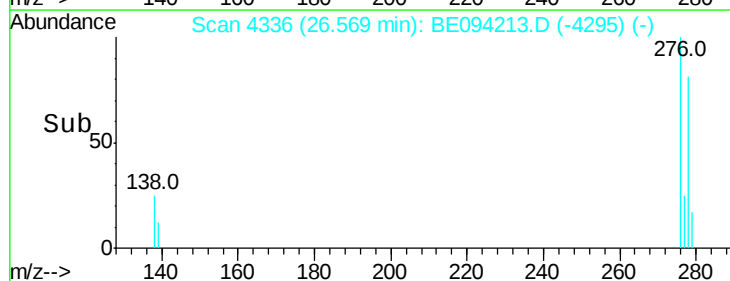
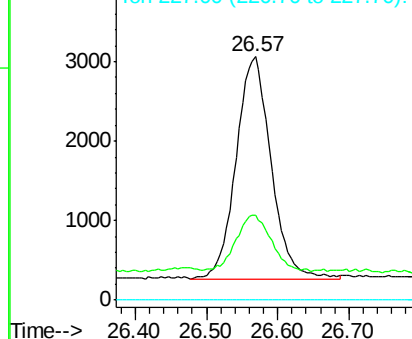
276 100

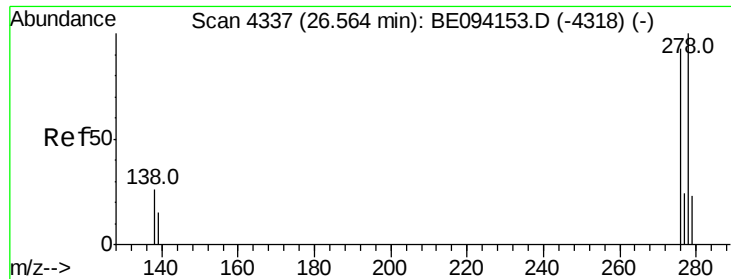
138 25.1 28.0 42.0#

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: 0.432 ng/ul

RT: 26.58 min Scan# 4338

Delta R.T. -0.02 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

Instrument :

BNA_E

ClientSampleId :

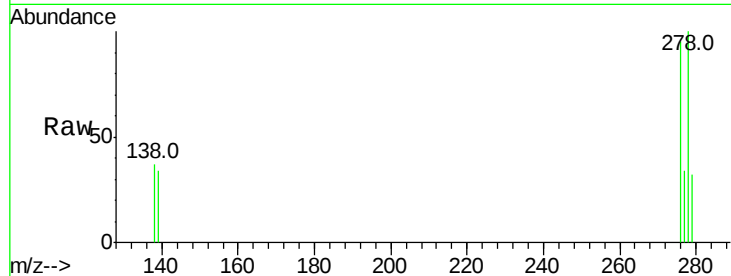
Tot Ion:278 Resp: 7952

Ion Ratio Lower Upper

278 100

139 34.2 17.4 26.0#

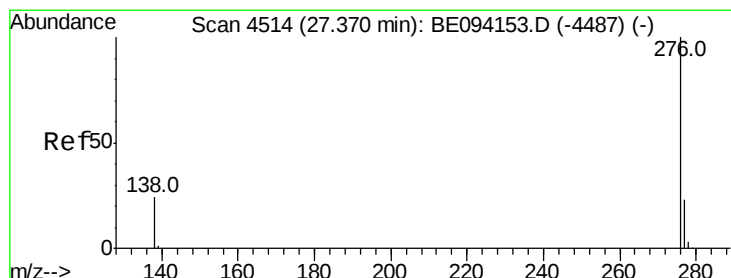
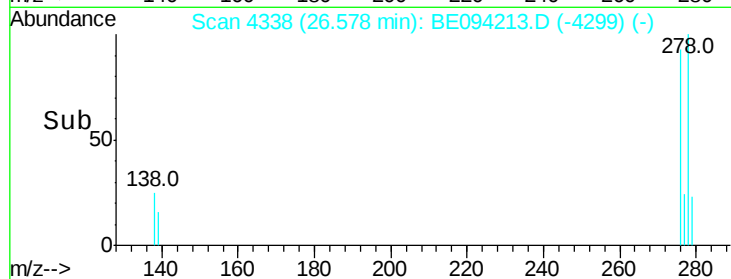
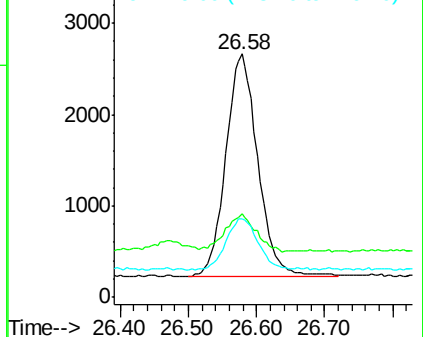
279 32.5 25.9 38.9



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: 0.429 ng/ul

RT: 27.39 min Scan# 4516

Delta R.T. -0.01 min

Lab File: BE094213.D

Acq: 7 Oct 2017 21:37

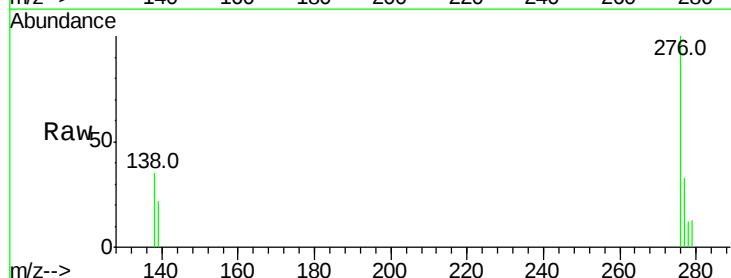
Tgt Ion:276 Resp: 8114

Ion Ratio Lower Upper

276 100

138 34.9 21.8 32.8#

277 33.5 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

