

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102717\
 Data File : BE094617.D
 Acq On : 28 Oct 2017 11:37
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.463

Quant Time: Oct 30 02:32:40 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 30 02:20:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1112	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6671	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3703	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7985	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8174	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	7964	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4281	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	9779	0.41	ng/ul	0.00

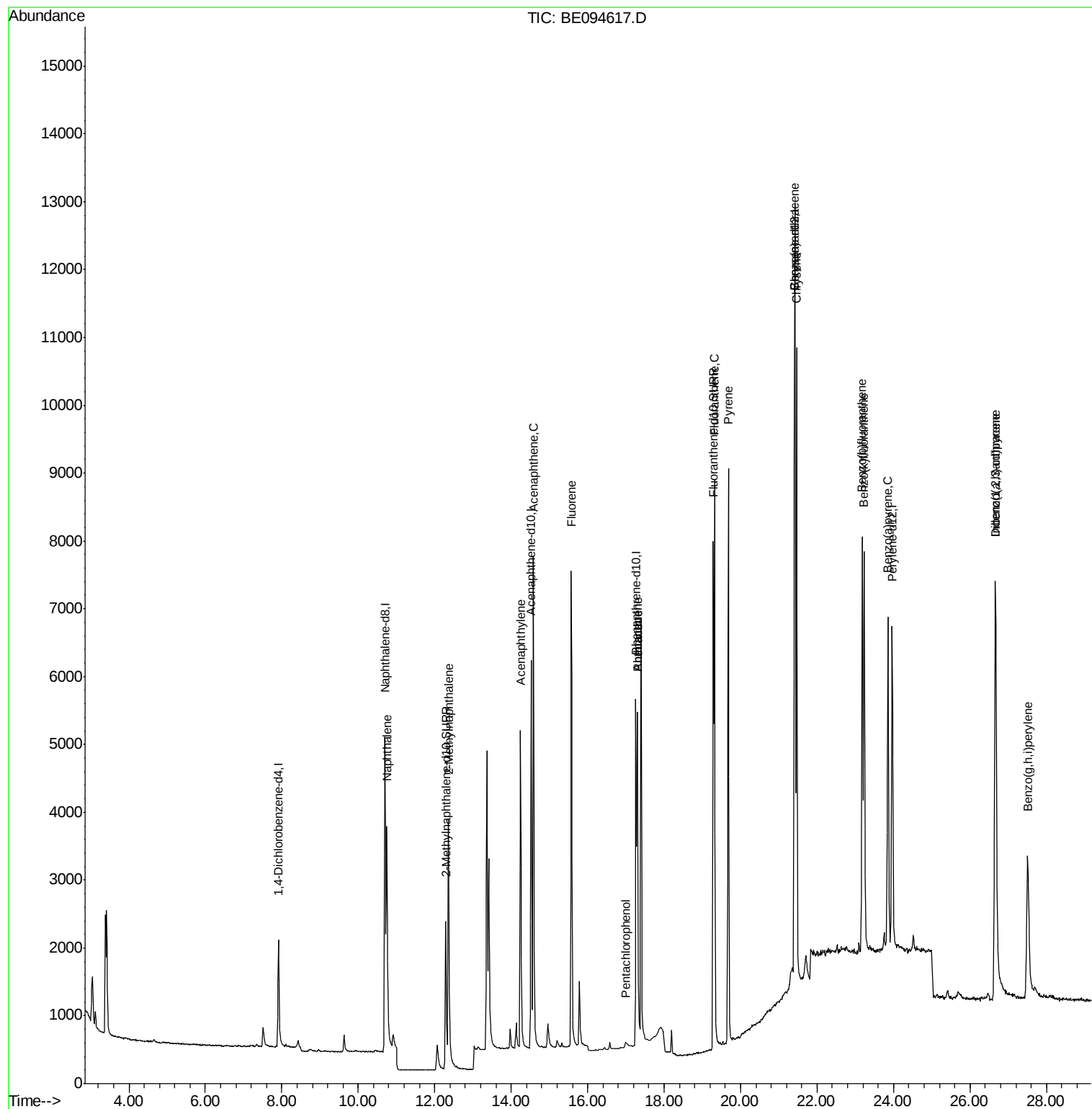
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	6352	0.39	ng/ul#	94
5) 2-Methylnaphthalene	12.36	142	4409	0.39	ng/ul	99
7) Acenaphthylene	14.24	152	6776	0.40	ng/ul	98
8) Acenaphthene	14.58	153	4726	0.39	ng/ul	97
9) Fluorene	15.57	166	5335	0.39	ng/ul	94
11) Pentachlorophenol	17.00	266	208	0.52	ng/ul#	84
12) Phenanthrene	17.31	178	8264	0.39	ng/ul#	94
13) Anthracene	17.31	178	8237	0.40	ng/ul	94
15) Fluoranthene	19.32	202	10047	0.41	ng/ul	84
17) Pyrene	19.68	202	10690	0.42	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	9856	0.42	ng/ul#	88
19) Chrysene	21.47	228	9689	0.40	ng/ul	95
21) Benzo(b)fluoranthene	23.18	252	9361	0.42	ng/ul	93
22) Benzo(k)fluoranthene	23.23	252	9320	0.39	ng/ul	95
23) Benzo(a)pyrene	23.86	252	9060	0.40	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.67	276	8988	0.39	ng/ul#	82
25) Dibenzo(a,h)anthracene	26.67	278	7725	0.40	ng/ul#	94
26) Benzo(g,h,i)perylene	27.51	276	6794	0.37	ng/ul#	87

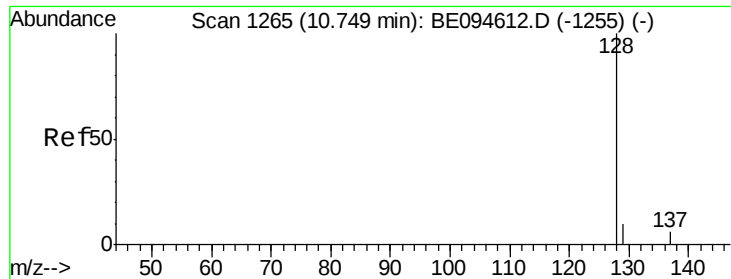
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.75 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

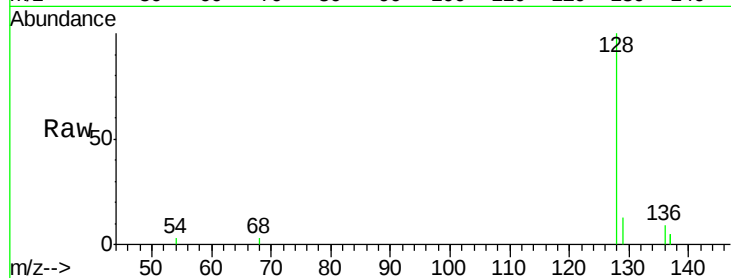
Tot Ion:128 Resp: 6352

Ion Ratio Lower Upper

128 100

129 13.1 11.3 16.9

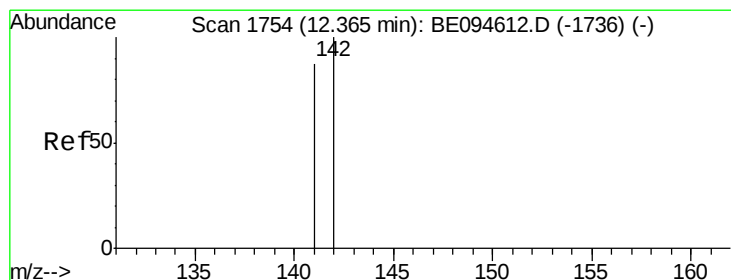
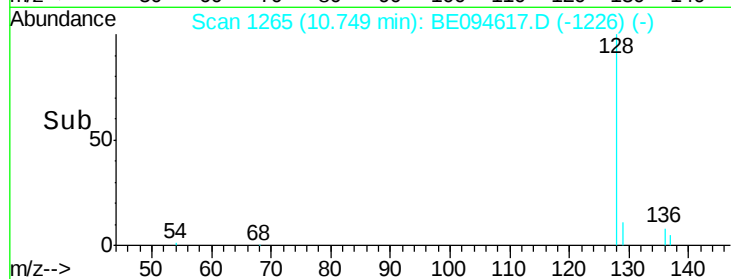
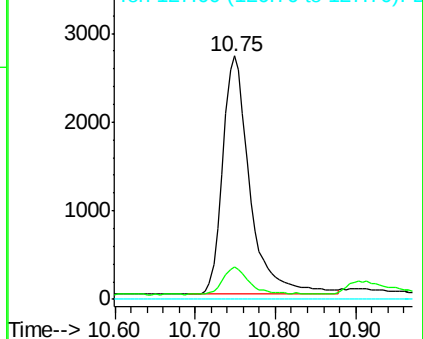
127 0.0 4.0 6.0#



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: 0.39 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE094617.D

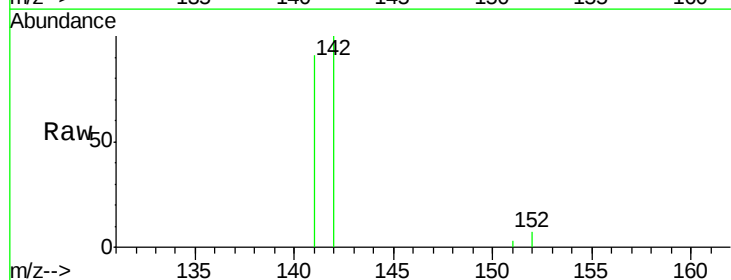
Acq: 28 Oct 2017 11:37

Tgt Ion:142 Resp: 4409

Ion Ratio Lower Upper

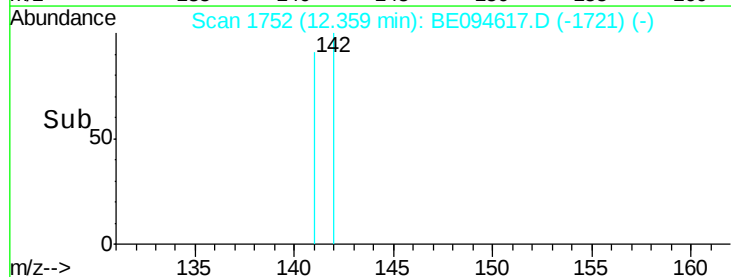
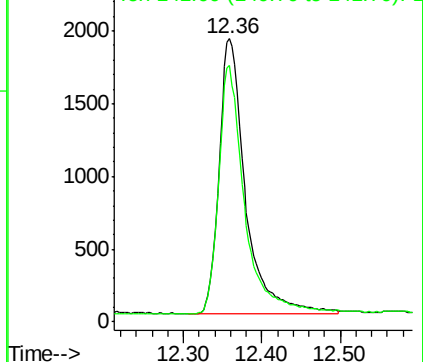
142 100

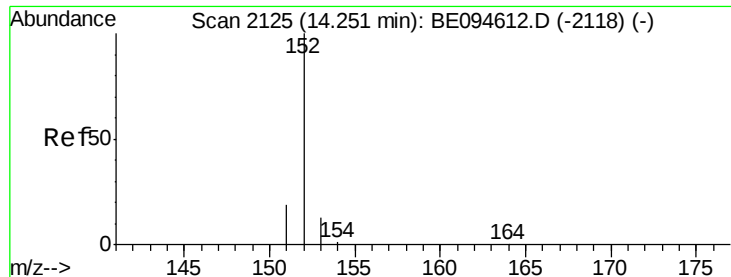
141 90.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

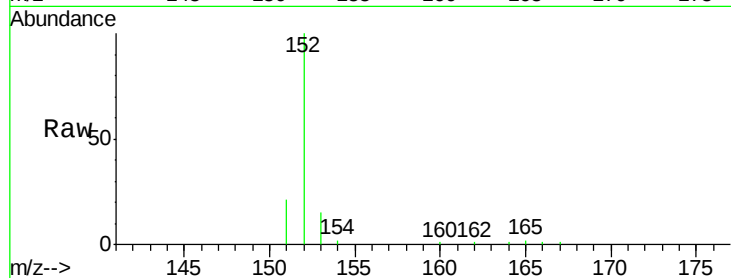
Tot Ion:152 Resp: 6776

Ion Ratio Lower Upper

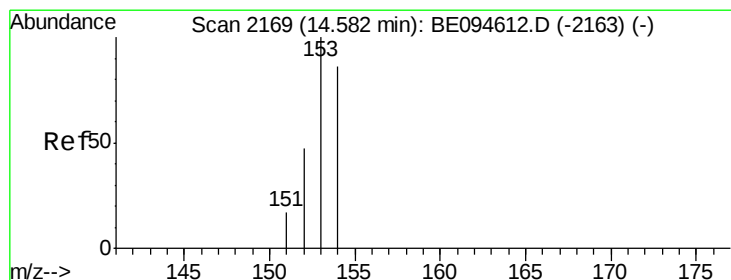
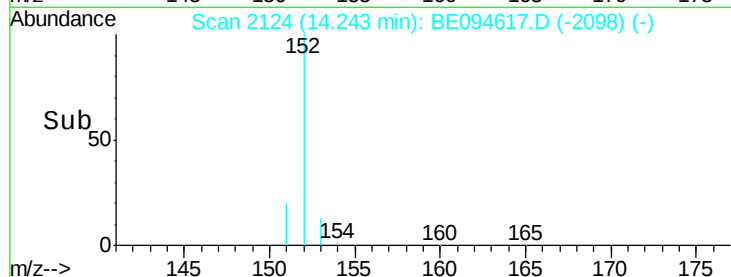
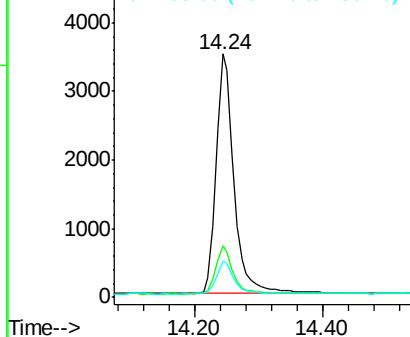
152 100

151 21.3 17.1 25.7

153 14.7 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: 0.39 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

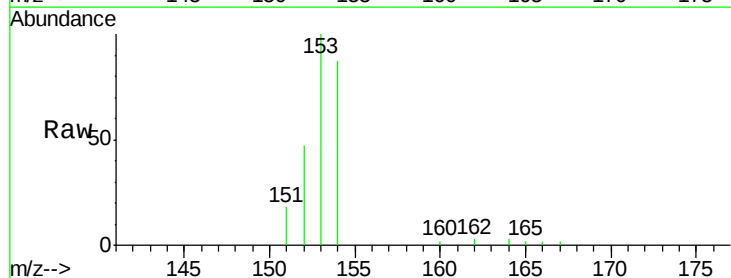
Tgt Ion:153 Resp: 4726

Ion Ratio Lower Upper

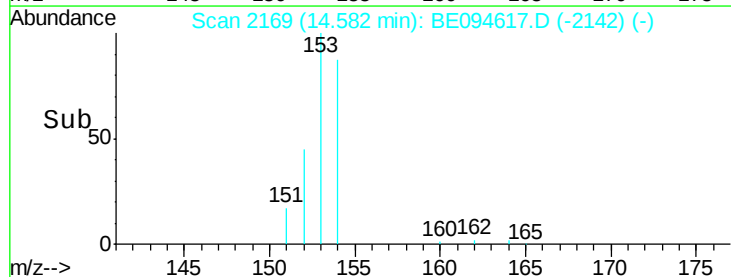
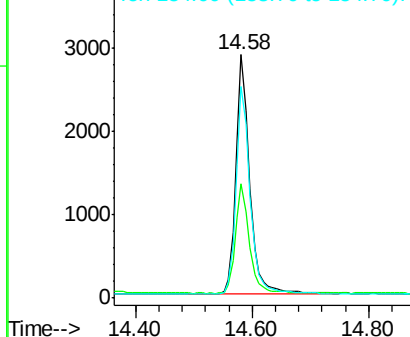
153 100

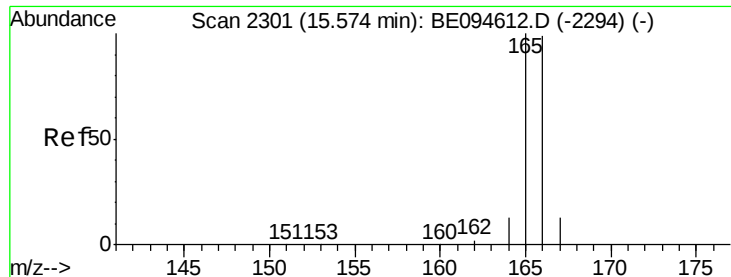
152 47.1 36.0 54.0

154 86.7 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

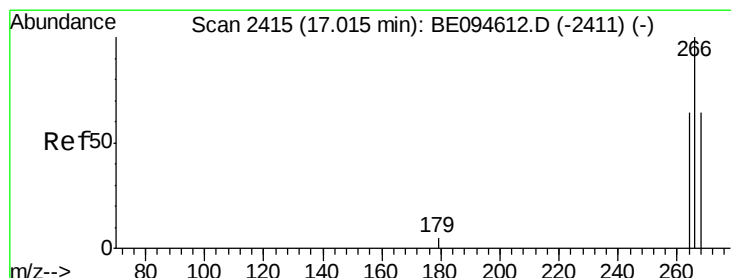
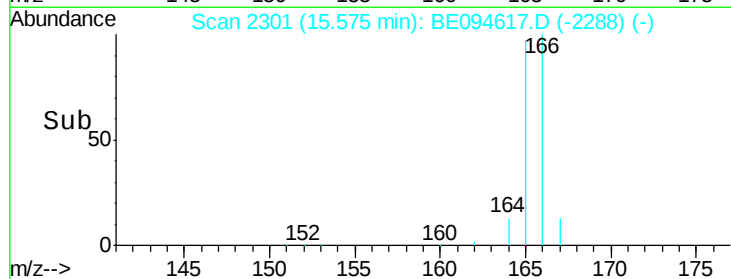
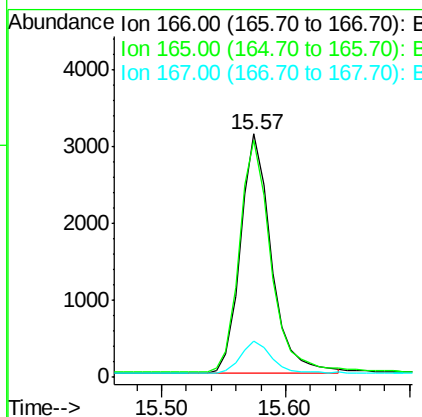
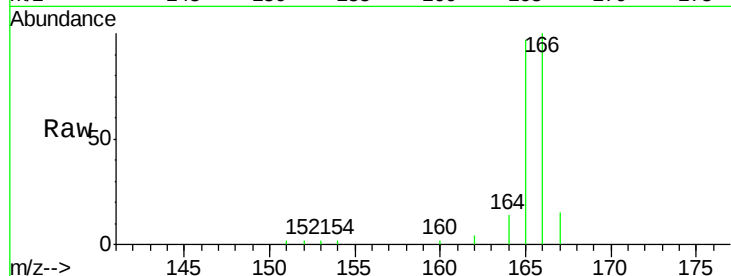




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.57 min Scan# 2301
 Delta R.T. 0.00 min
 Lab File: BE094617.D
 Acq: 28 Oct 2017 11:37

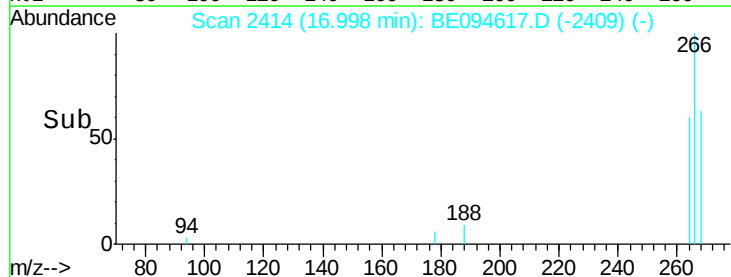
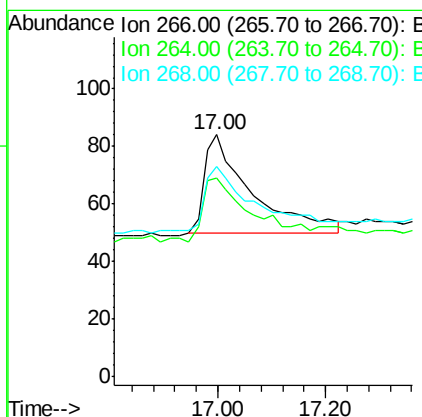
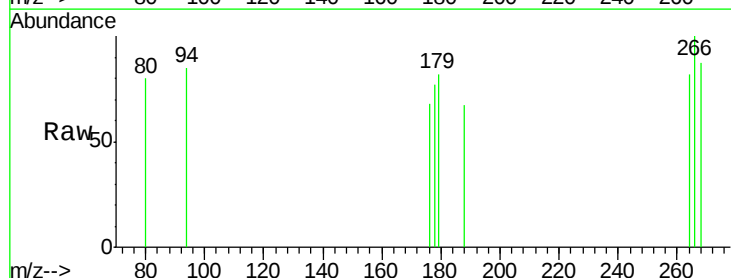
Instrument :
 BNA_E
 ClientSampleId :
 SST0.463

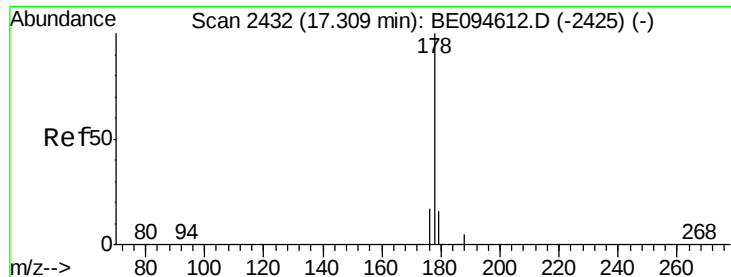
Tot Ion:166 Resp: 5335
 Ion Ratio Lower Upper
 166 100
 165 97.3 73.4 110.2
 167 14.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.52 ng/ul
 RT: 17.00 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BE094617.D
 Acq: 28 Oct 2017 11:37

Tgt Ion:266 Resp: 208
 Ion Ratio Lower Upper
 266 100
 264 77.9 47.9 71.9#
 268 68.3 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

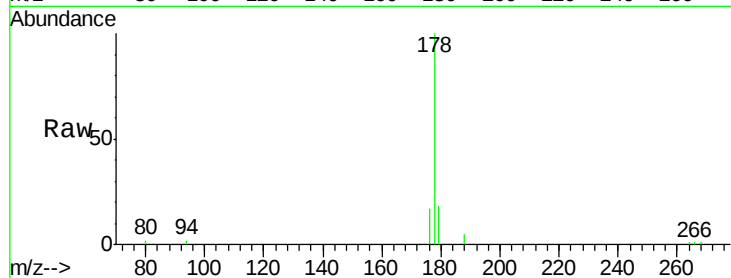
Tot Ion:178 Resp: 8264

Ion Ratio Lower Upper

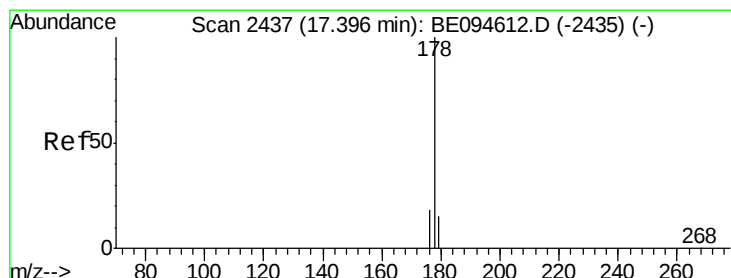
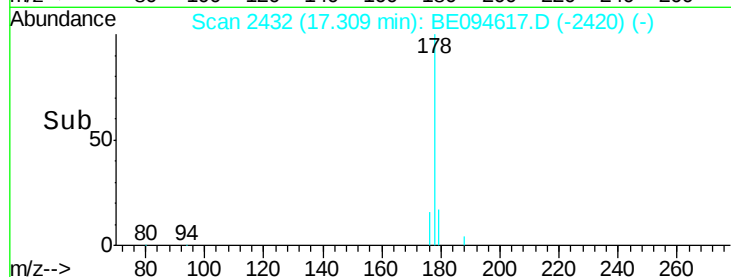
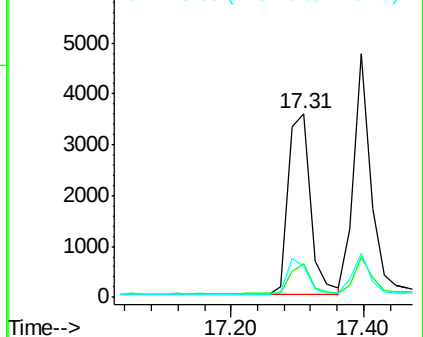
178 100

179 18.4 18.4 27.6#

176 17.0 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: 0.40 ng/ul

RT: 17.31 min Scan# 2432

Delta R.T. -0.09 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

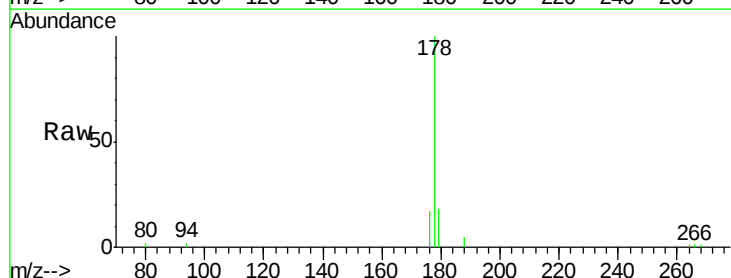
Tgt Ion:178 Resp: 8237

Ion Ratio Lower Upper

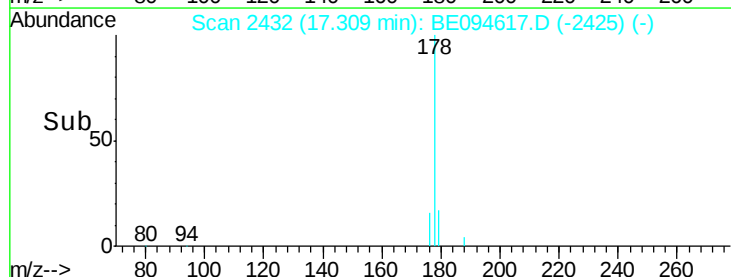
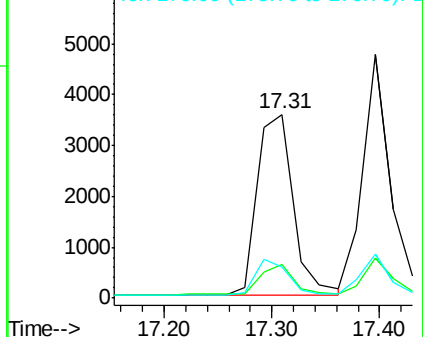
178 100

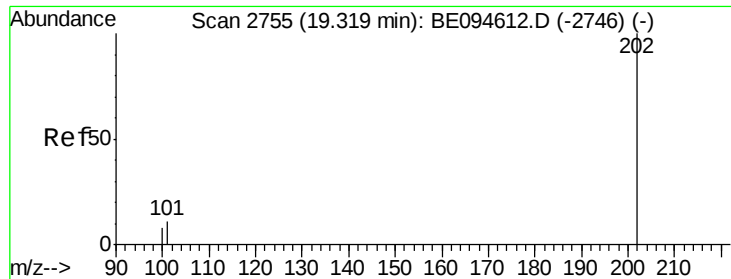
179 18.4 18.1 27.1

176 17.0 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

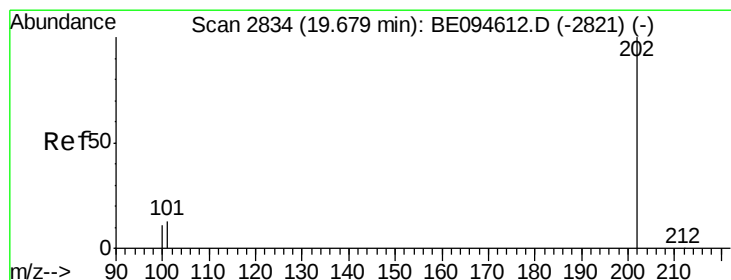
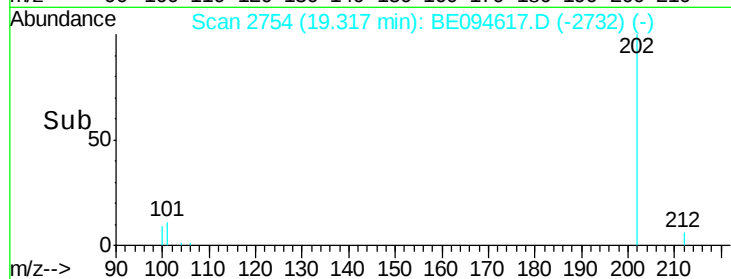
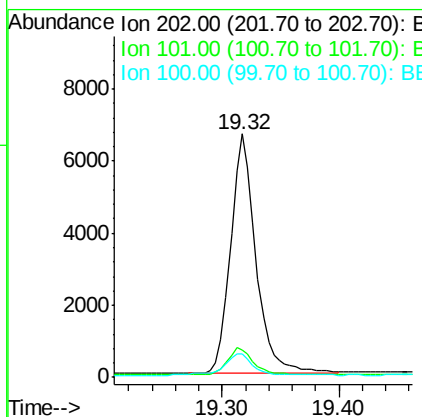
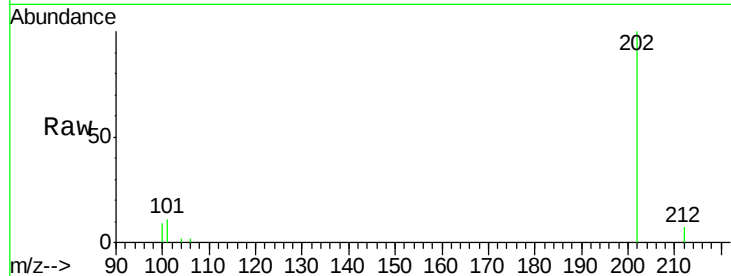




#15
Fluoranthene
 Concen: 0.41 ng/ul
 RT: 19.32 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE094617.D
 Acq: 28 Oct 2017 11:37

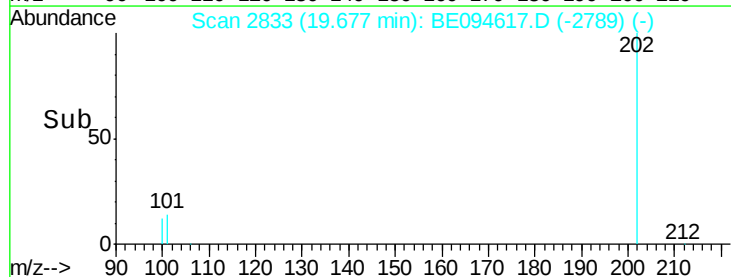
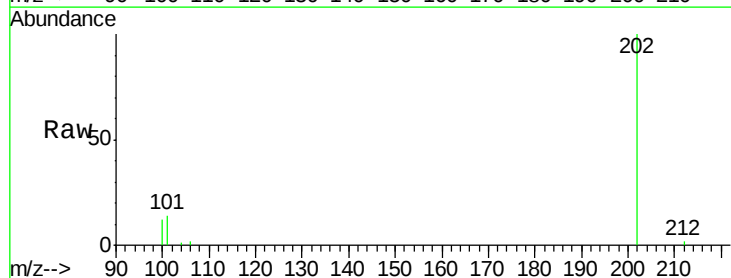
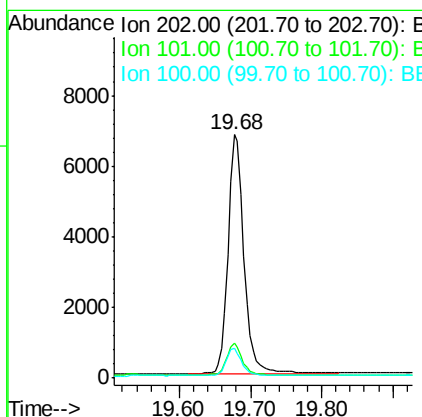
Instrument :
 BNA_E
 ClientSampleId :
 SST0.463

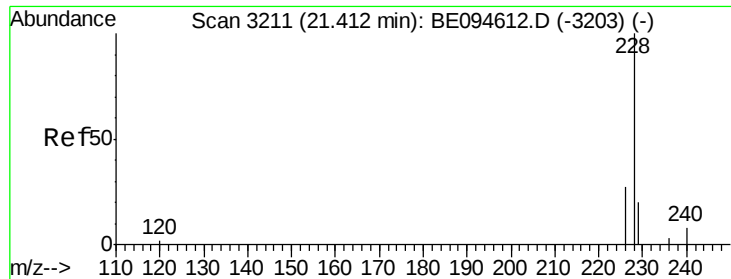
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	30.3
100	9.4	0.0	39.5



#17
Pyrene
 Concen: 0.42 ng/ul
 RT: 19.68 min Scan# 2833
 Delta R.T. -0.00 min
 Lab File: BE094617.D
 Acq: 28 Oct 2017 11:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	18.2	27.4#
100	12.4	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

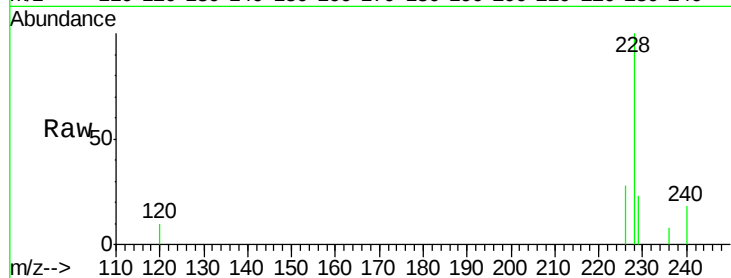
Tot Ion:228 Resp: 9856

Ion Ratio Lower Upper

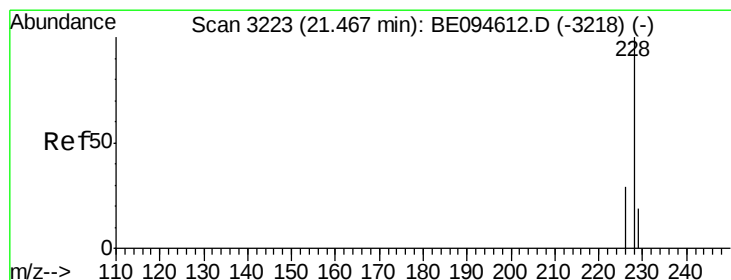
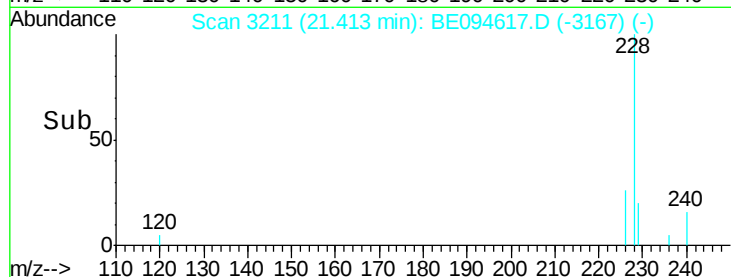
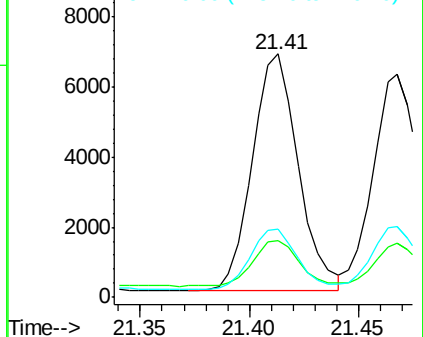
228 100

229 23.4 22.8 34.2

226 27.9 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: 0.40 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

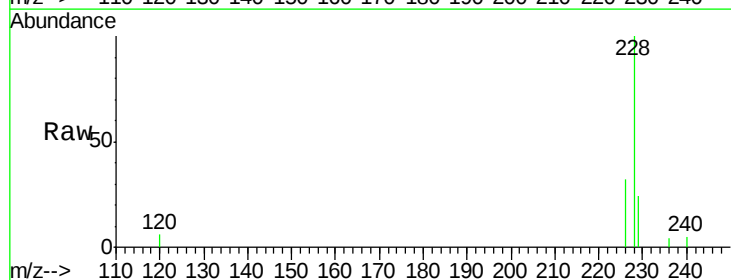
Tgt Ion:228 Resp: 9689

Ion Ratio Lower Upper

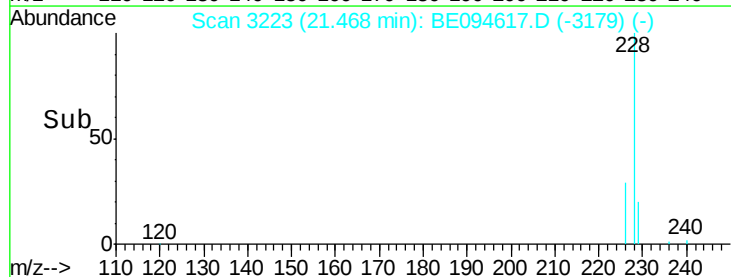
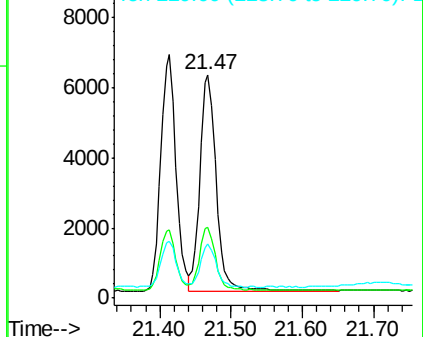
228 100

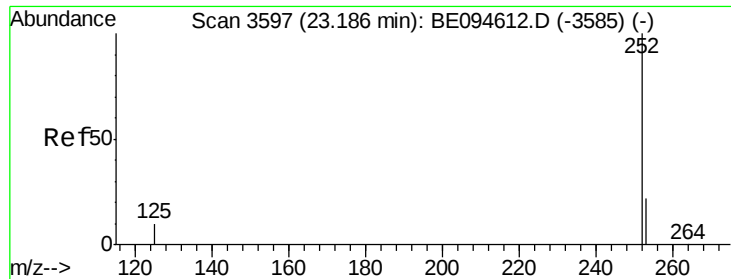
226 31.7 23.4 35.0

229 24.1 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: 0.42 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

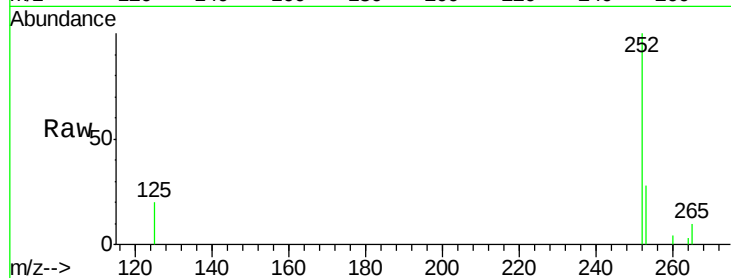
Tot Ion:252 Resp: 9361

Ion Ratio Lower Upper

252 100

253 27.5 0.0 64.2

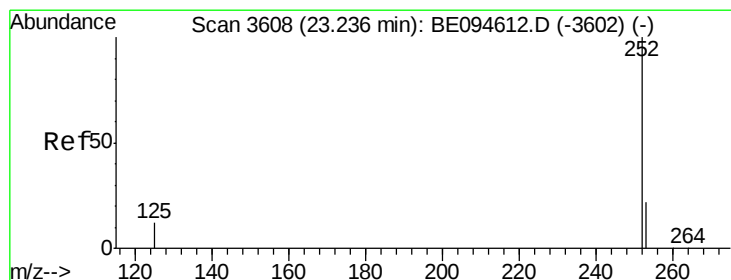
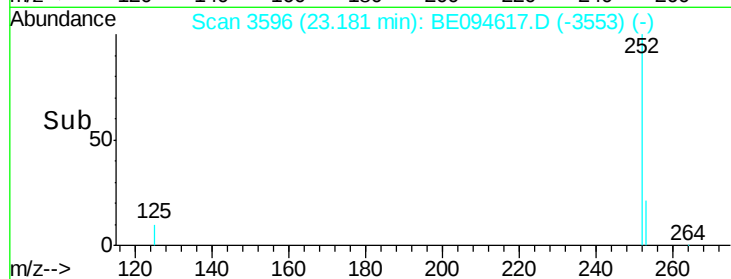
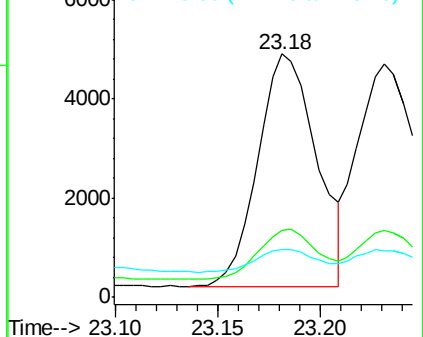
125 19.7 0.0 35.0



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: 0.39 ng/ul

RT: 23.23 min Scan# 3607

Delta R.T. -0.01 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

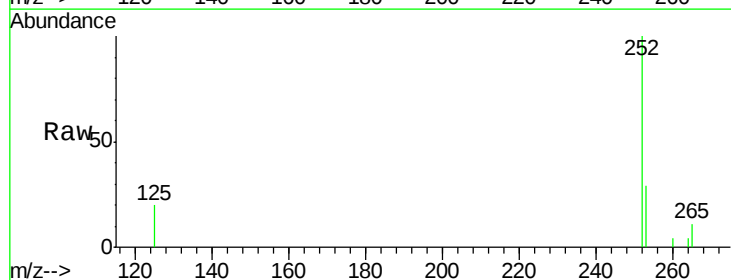
Tgt Ion:252 Resp: 9320

Ion Ratio Lower Upper

252 100

253 28.6 24.5 36.7

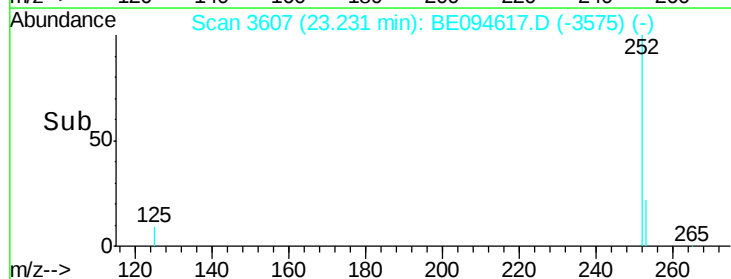
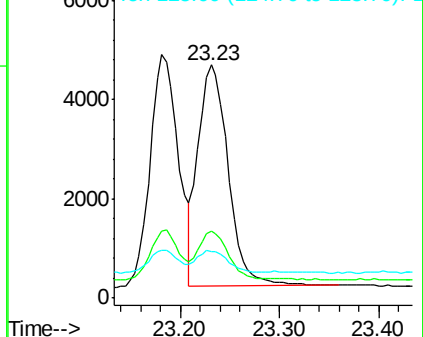
125 20.1 13.7 20.5

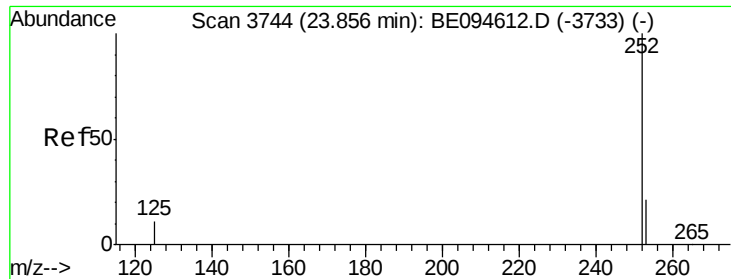


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.86 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

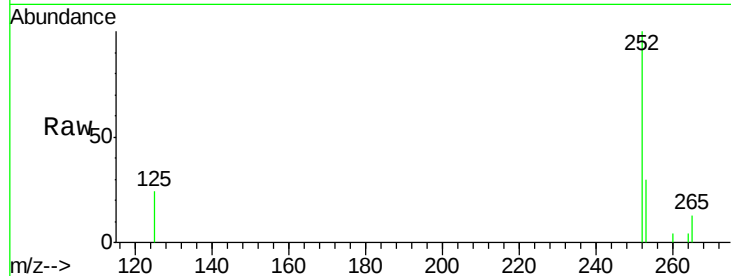
Tot Ion:252 Resp: 9060

Ion Ratio Lower Upper

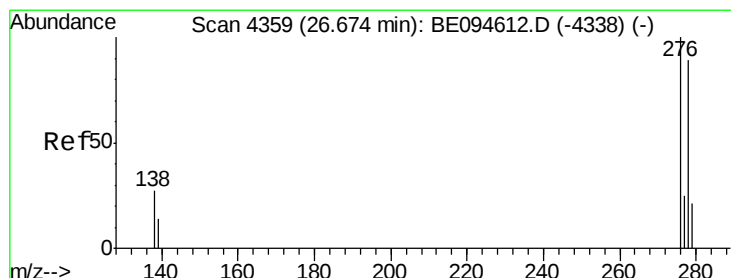
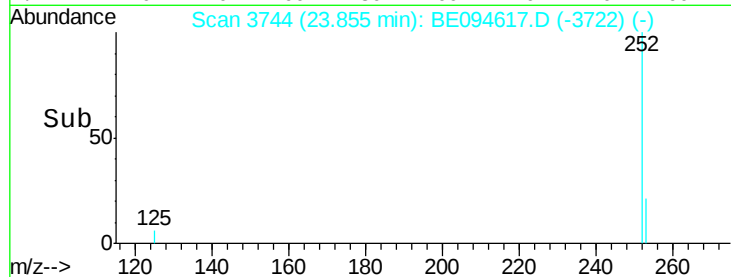
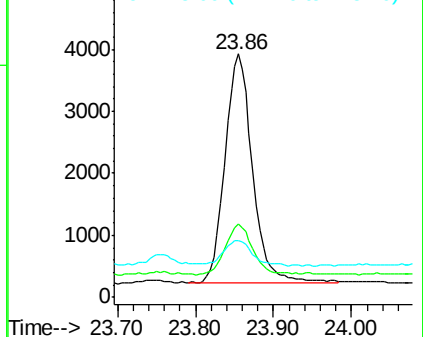
252 100

253 29.9 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: 0.39 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

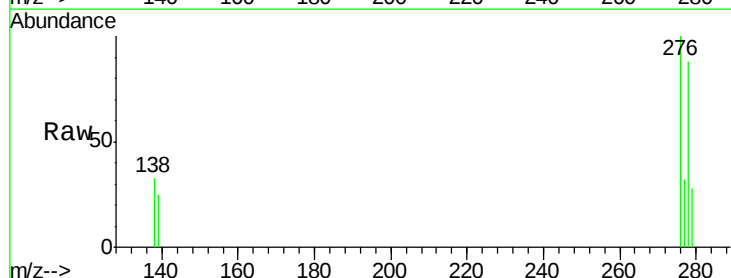
Tgt Ion:276 Resp: 8988

Ion Ratio Lower Upper

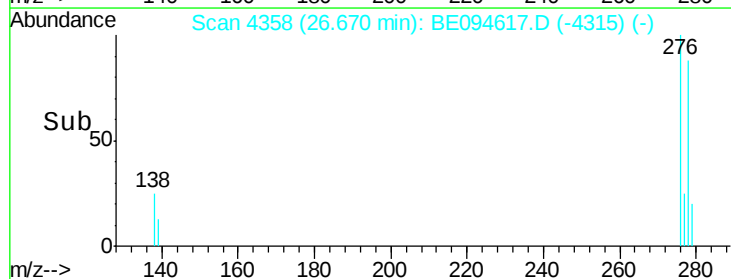
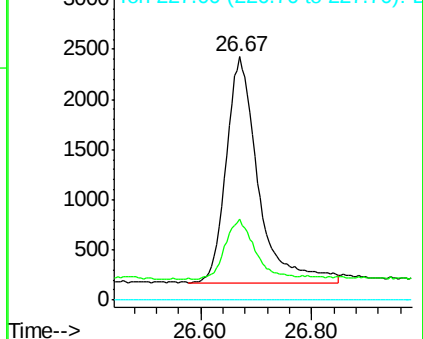
276 100

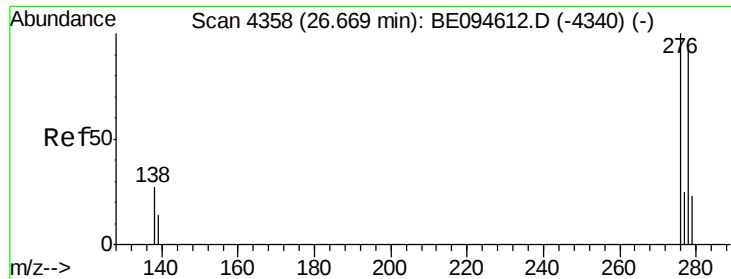
138 26.2 28.0 42.0#

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: 0.40 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. 0.00 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

Instrument :

BNA_E

ClientSampleId :

SSTD0.463

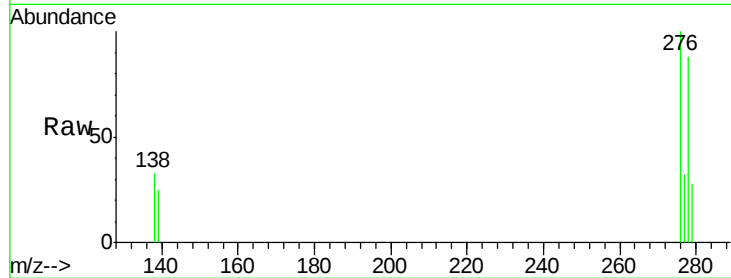
Tot Ion:278 Resp: 7725

Ion Ratio Lower Upper

278 100

139 28.4 17.4 26.0#

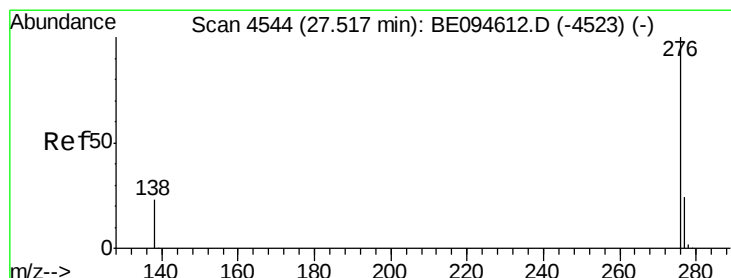
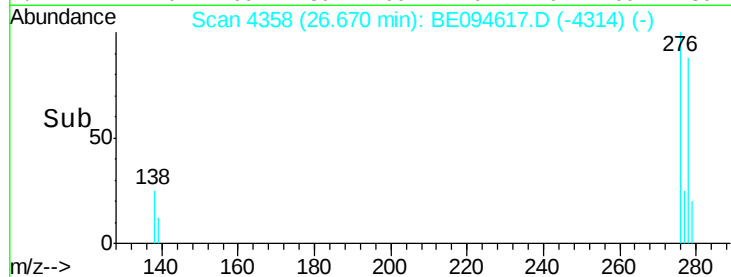
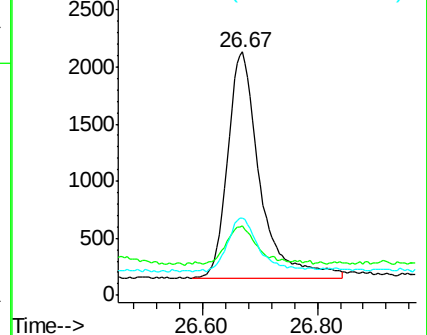
279 31.6 25.9 38.9



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: 0.37 ng/ul

RT: 27.51 min Scan# 4542

Delta R.T. -0.01 min

Lab File: BE094617.D

Acq: 28 Oct 2017 11:37

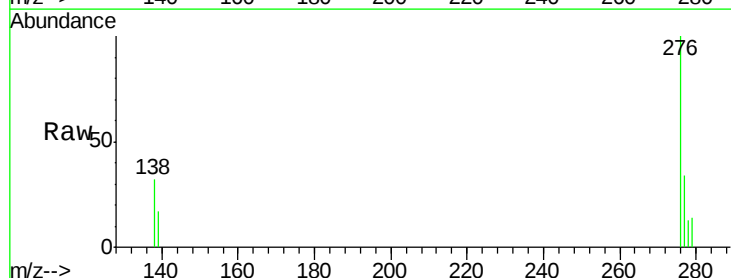
Tgt Ion:276 Resp: 6794

Ion Ratio Lower Upper

276 100

138 32.5 21.8 32.8

277 33.8 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

