

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094580.D
 Acq On : 27 Oct 2017 1:58
 Operator : SJ/JU
 Sample : I5719-13 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:44:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

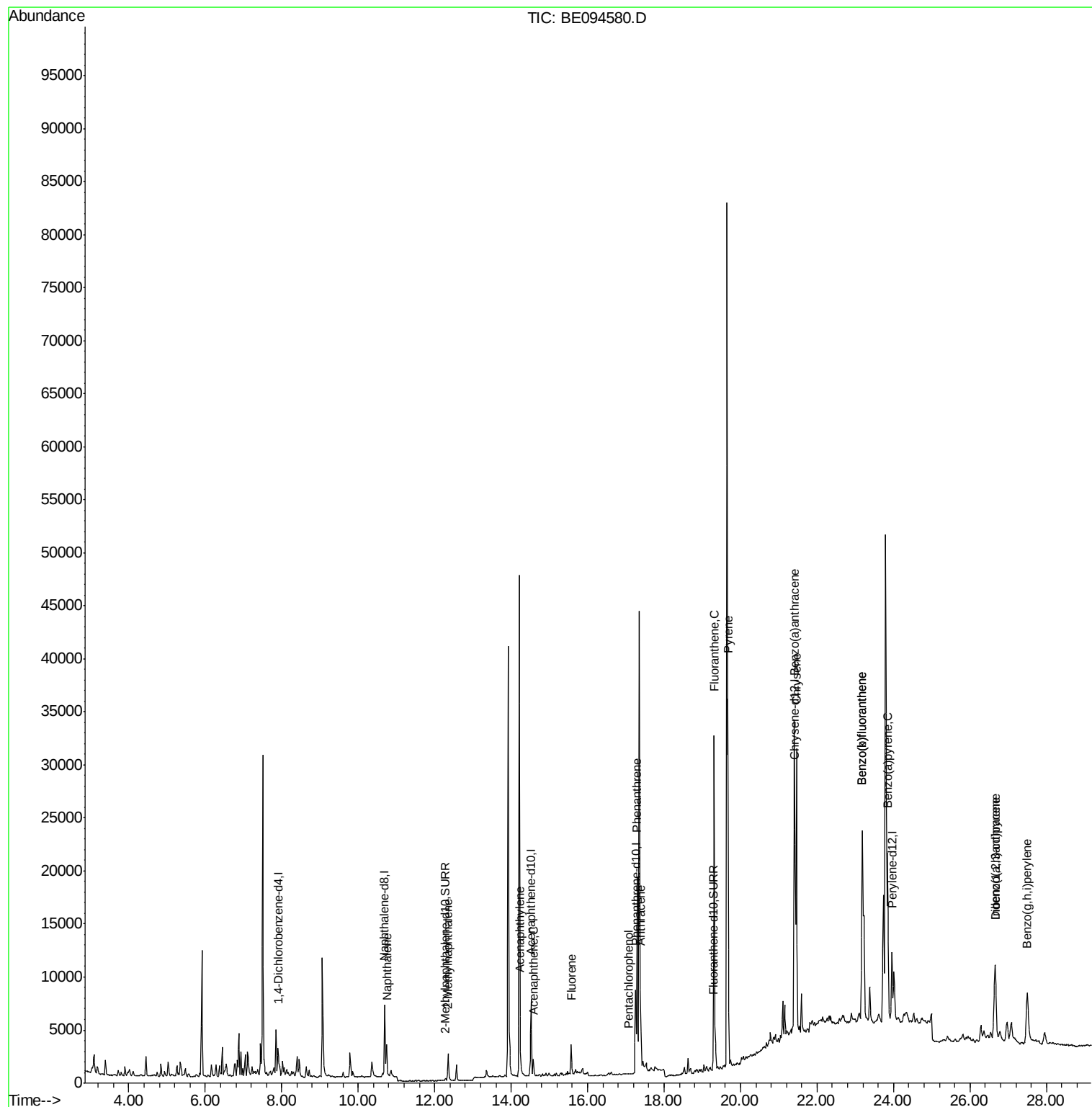
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1402	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7996	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	4505	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10318	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	10012	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10646	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	420	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1042	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	5041	0.258	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	2618	0.191	ng/ul	97
7) Acenaphthylene	14.24	152	638	0.031	ng/ul#	71
8) Acenaphthene	14.58	153	1016	0.069	ng/ul	95
9) Fluorene	15.57	166	2010	0.122	ng/ul	93
11) Pentachlorophenol	17.07	266	28	0.054	ng/ul#	20
12) Phenanthrene	17.29	178	20824	0.764	ng/ul#	89
13) Anthracene	17.38	178	6085	0.226	ng/ul#	91
15) Fluoranthene	19.31	202	39288	1.247	ng/ul	83
17) Pyrene	19.67	202	39352	1.271	ng/ul#	82
18) Benzo(a)anthracene	21.41	228	26341	0.920	ng/ul#	90
19) Chrysene	21.46	228	28759	0.972	ng/ul	92
21) Benzo(b)fluoranthene	23.18	252	47271	1.579	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	47271	1.473	ng/ul#	93
23) Benzo(a)pyrene	23.85	252	25284	0.845	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.66	276	15575	0.503	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.65	278	4211	0.161	ng/ul#	30
26) Benzo(g,h,i)perylene	27.49	276	13937	0.560	ng/ul#	81

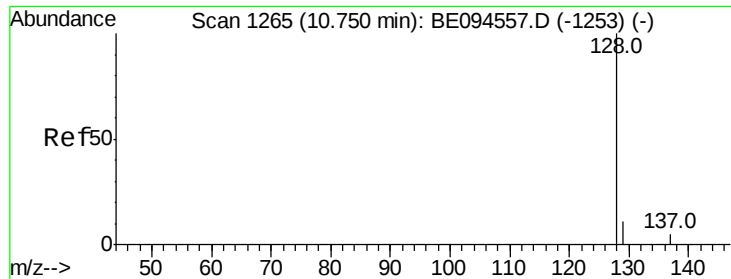
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.258 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

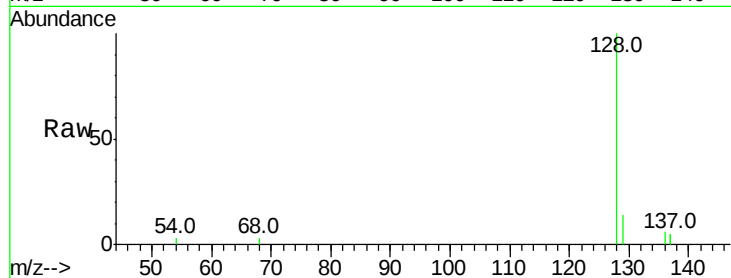
Tot Ion:128 Resp: 5041

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

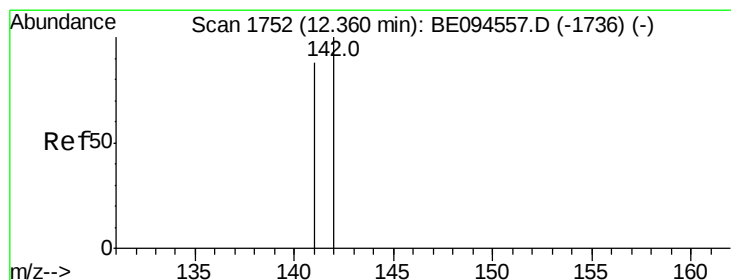
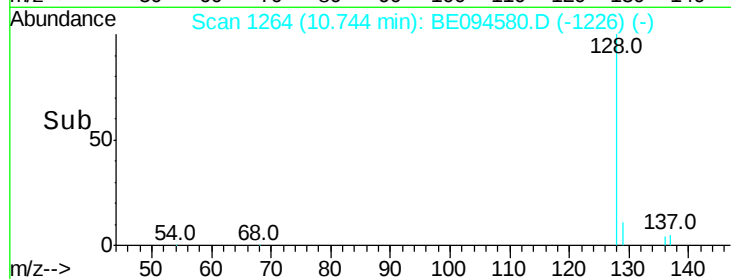
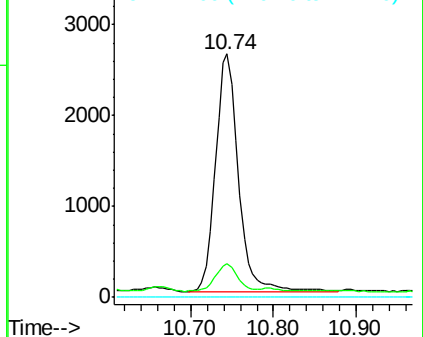
127 0.0 4.0 6.0#



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: 0.191 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094580.D

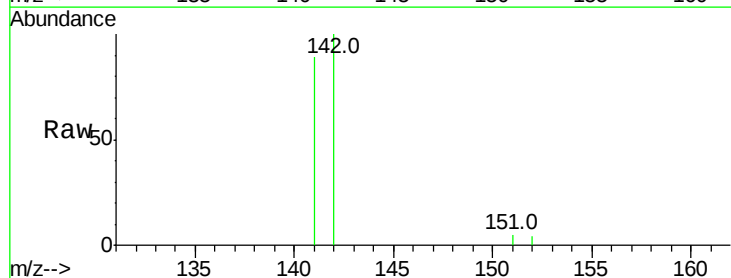
Acq: 27 Oct 2017 1:58

Tgt Ion:142 Resp: 2618

Ion Ratio Lower Upper

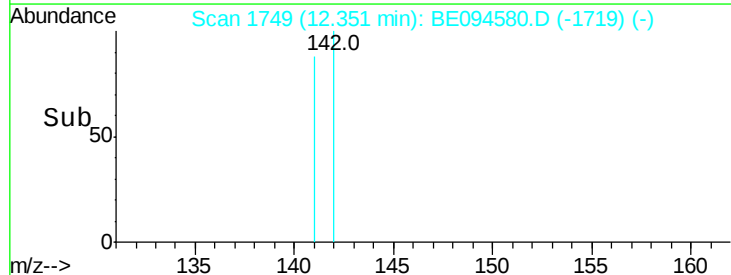
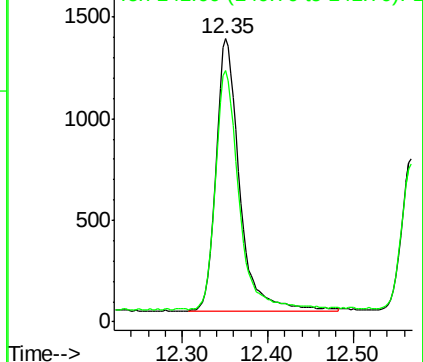
142 100

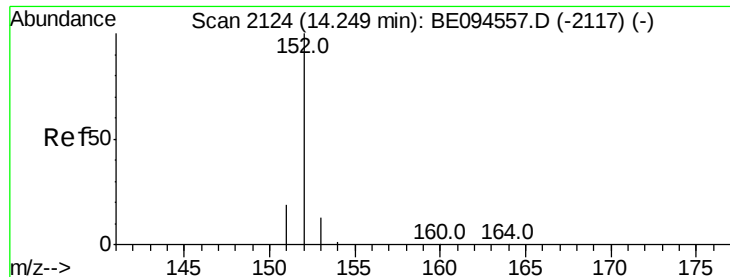
141 87.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.031 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

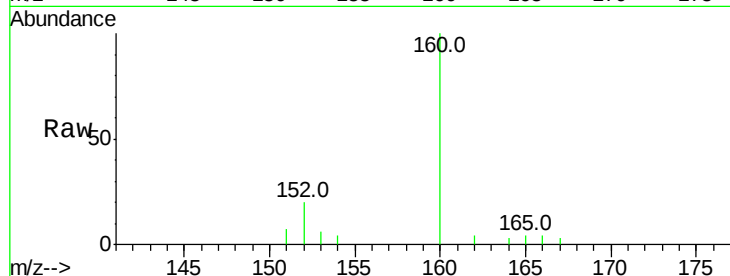
Tot Ion:152 Resp: 638

Ion Ratio Lower Upper

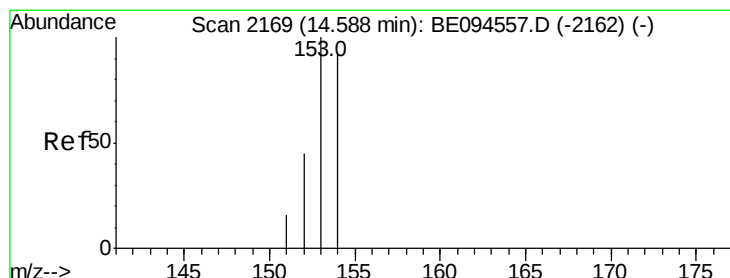
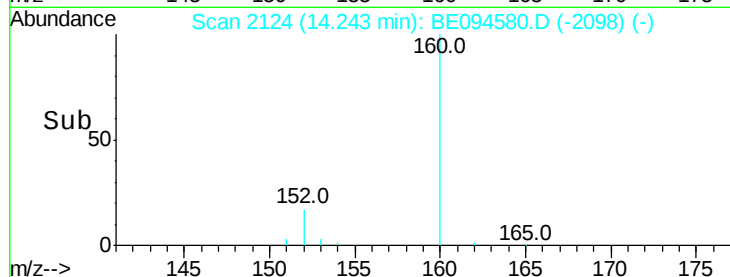
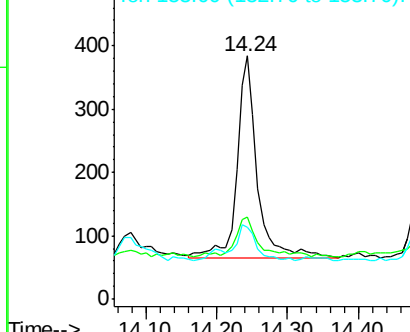
152 100

151 33.6 17.1 25.7#

153 29.7 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: 0.069 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

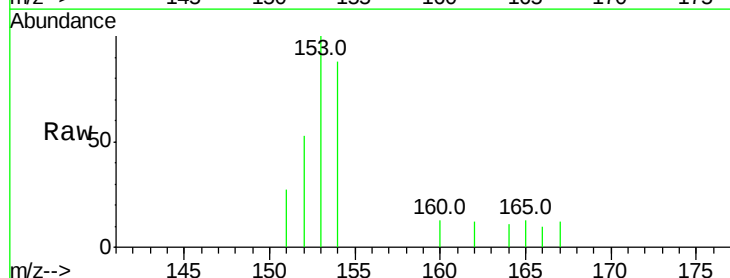
Tgt Ion:153 Resp: 1016

Ion Ratio Lower Upper

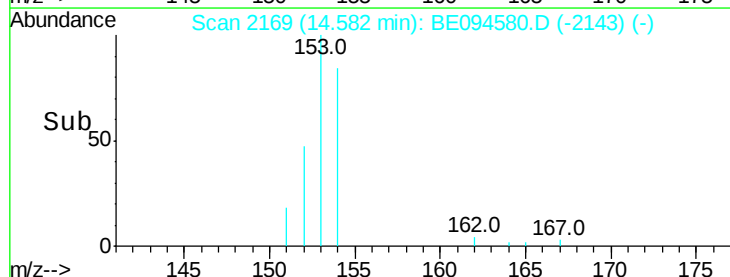
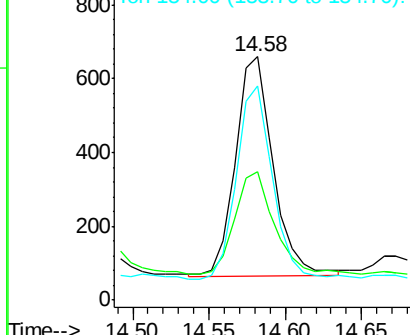
153 100

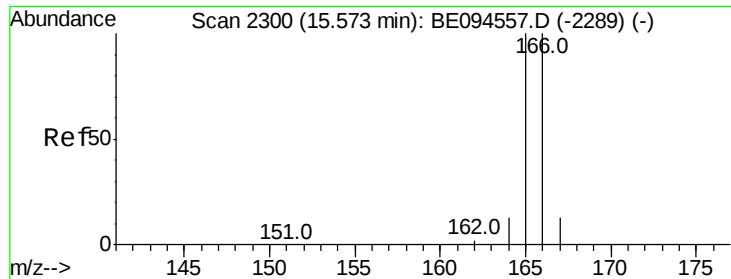
152 52.9 36.0 54.0

154 88.0 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



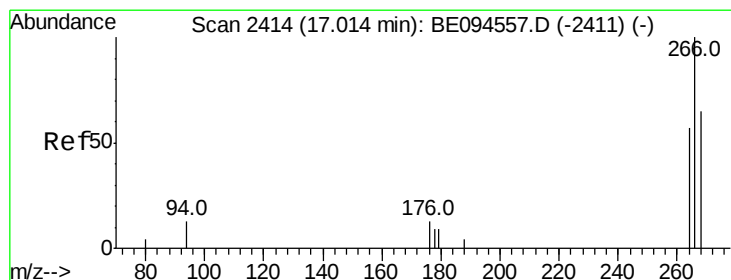
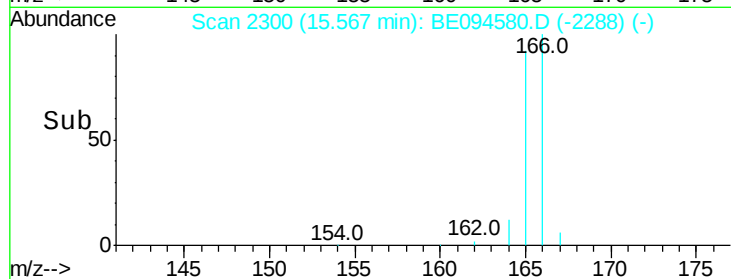
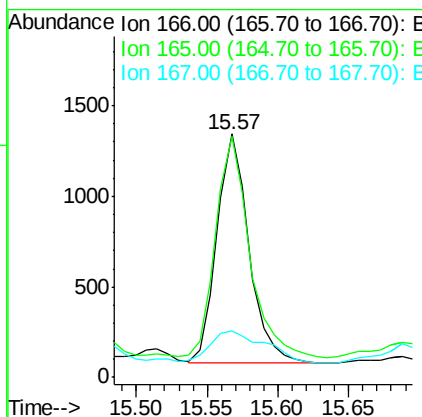
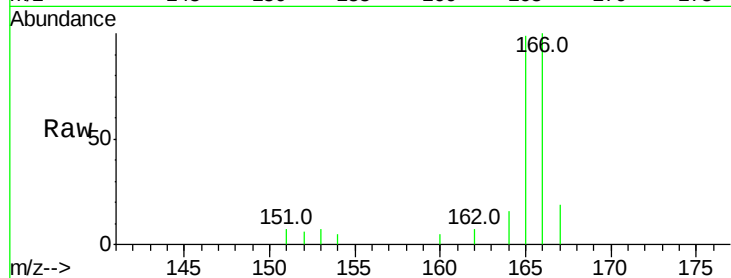


#9
Fluorene
 Concen: 0.122 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094580.D
 Acq: 27 Oct 2017 1:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:166 Resp: 2010

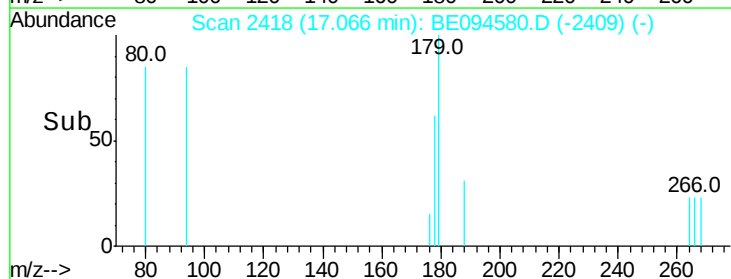
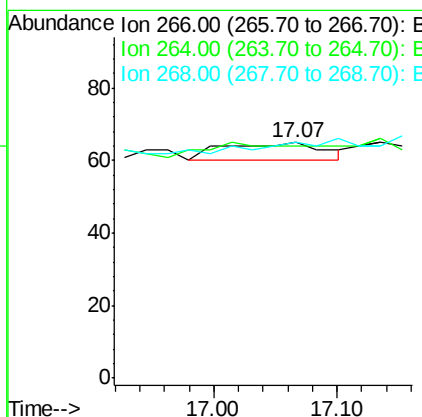
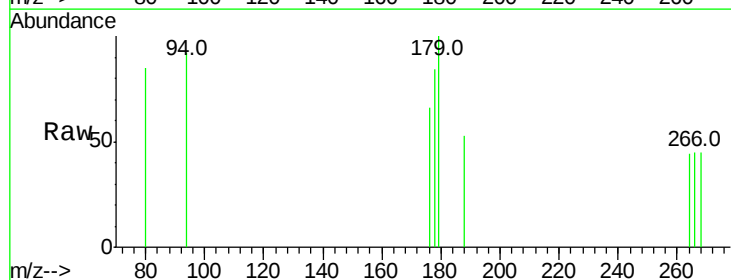
Ion	Ratio	Lower	Upper
166	100		
165	99.3	73.4	110.2
167	19.1	14.6	22.0

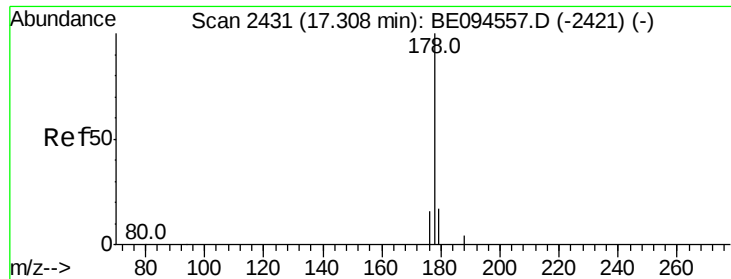


#11
Pentachlorophenol
 Concen: 0.054 ng/ul
 RT: 17.07 min Scan# 2418
 Delta R.T. 0.05 min
 Lab File: BE094580.D
 Acq: 27 Oct 2017 1:58

Tgt Ion:266 Resp: 28

Ion	Ratio	Lower	Upper
266	100		
264	0.0	47.9	71.9#
268	0.0	49.8	74.8#





#12

Phenanthrene

Concen: 0.764 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

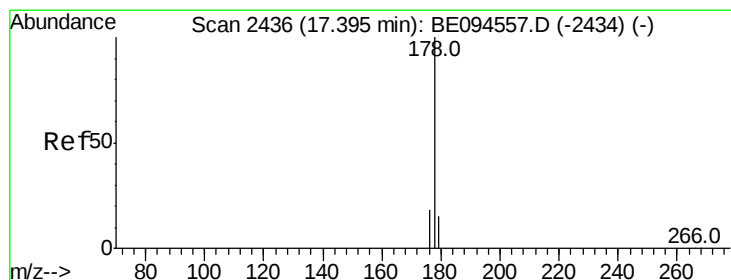
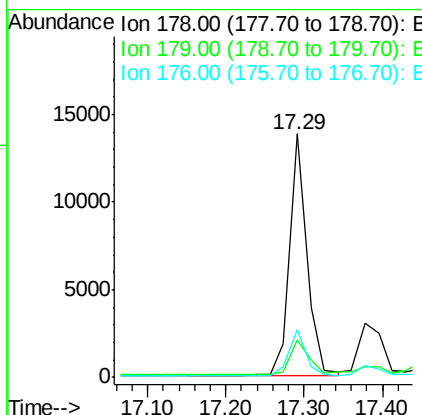
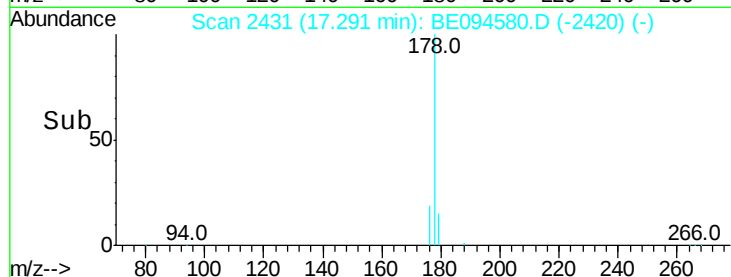
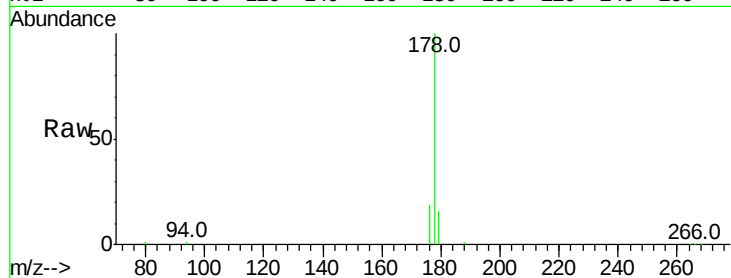
Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 20824

Ion	Ratio	Lower	Upper
178	100		
179	15.6	18.4	27.6#
176	19.4	13.6	20.4



#13

Anthracene

Concen: 0.226 ng/ul

RT: 17.38 min Scan# 2436

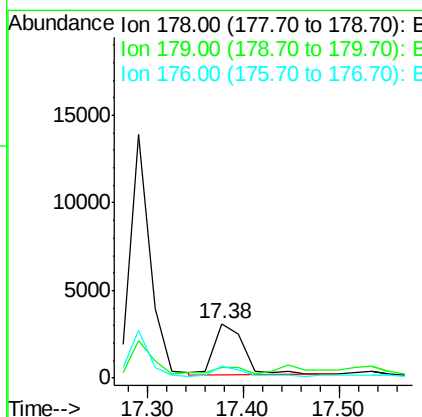
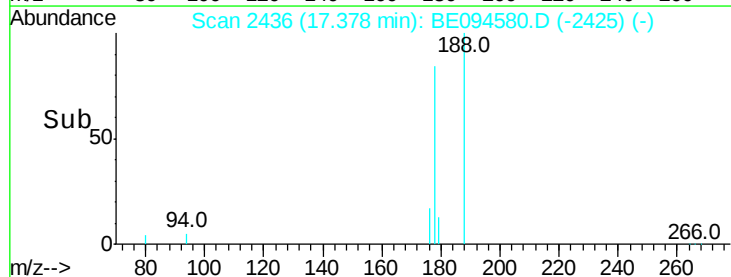
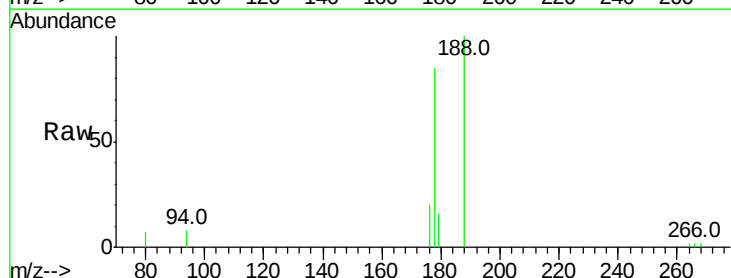
Delta R.T. -0.02 min

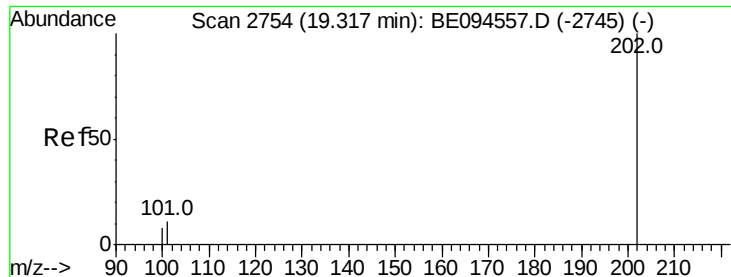
Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Tgt Ion:178 Resp: 6085

Ion	Ratio	Lower	Upper
178	100		
179	19.2	18.1	27.1
176	23.0	14.7	22.1#





#15

Fluoranthene

Concen: 1.247 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

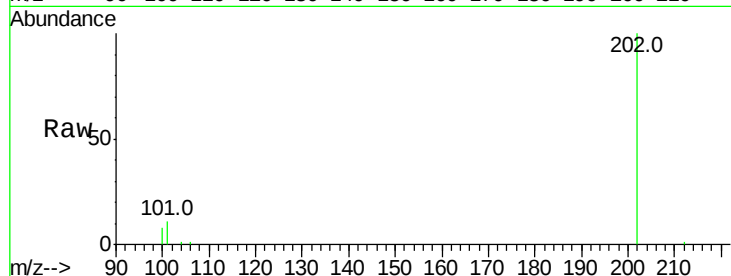
Tot Ion:202 Resp: 39288

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

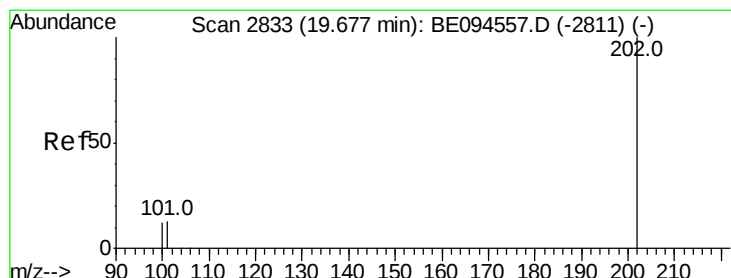
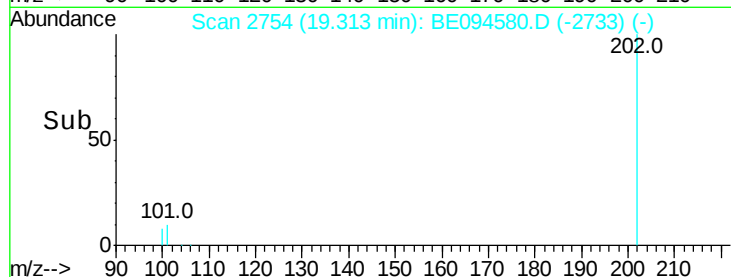
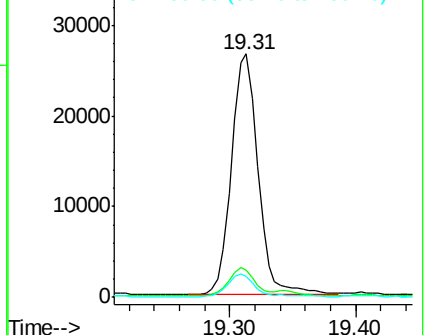
100 8.5 0.0 39.5



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: 1.271 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

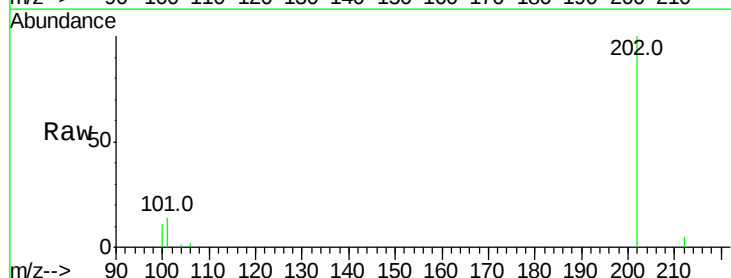
Tgt Ion:202 Resp: 39352

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

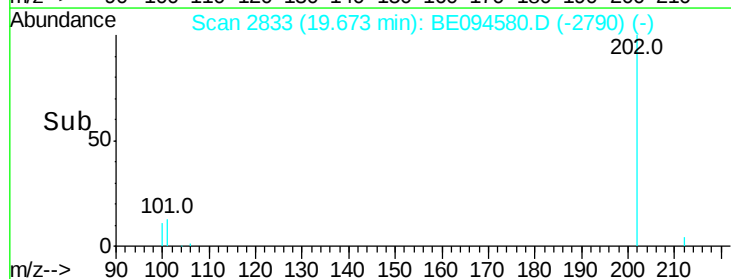
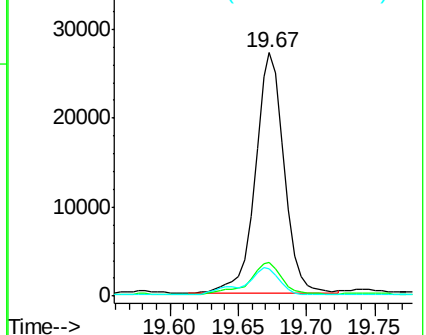
100 11.4 15.6 23.4#

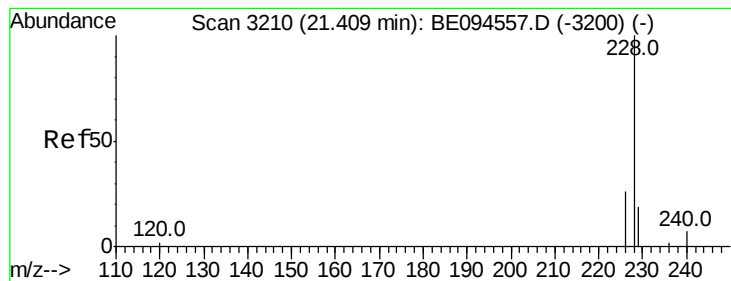


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.920 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

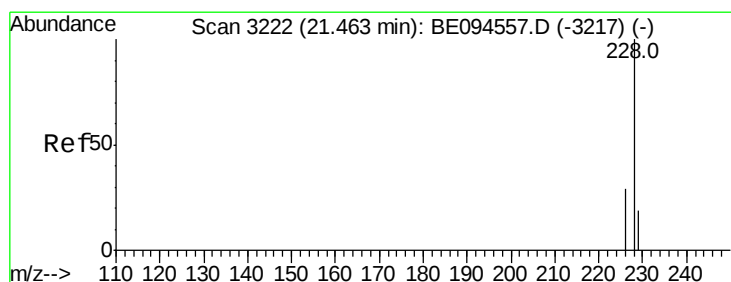
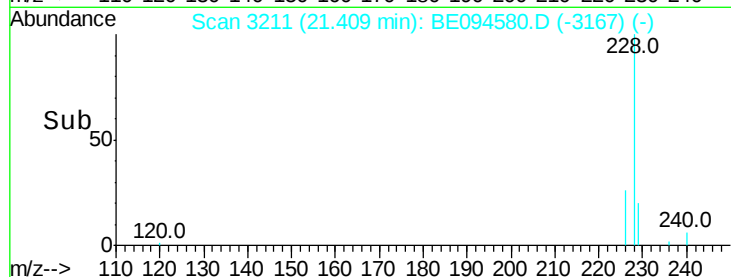
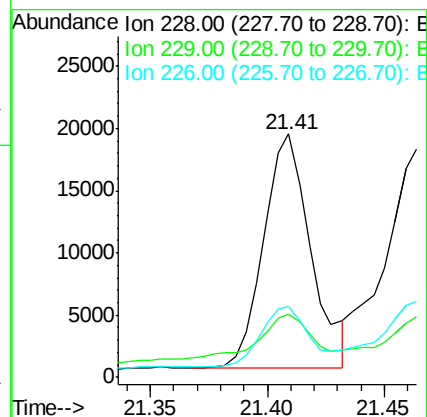
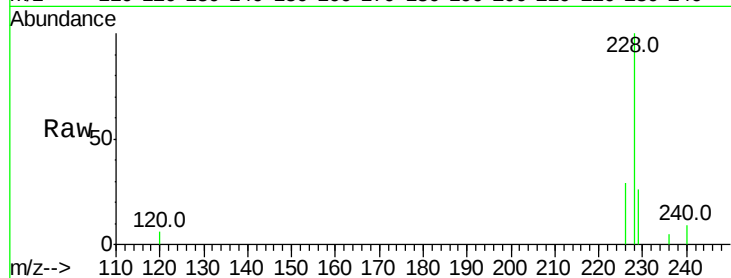
Tot Ion:228 Resp: 26341

Ion Ratio Lower Upper

228 100

229 26.1 22.8 34.2

226 29.3 17.0 25.6#



#19

Chrysene

Concen: 0.972 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. 0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

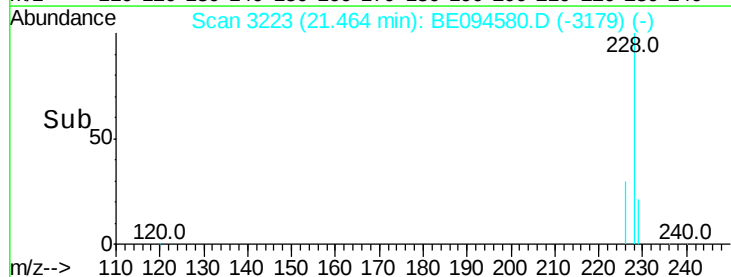
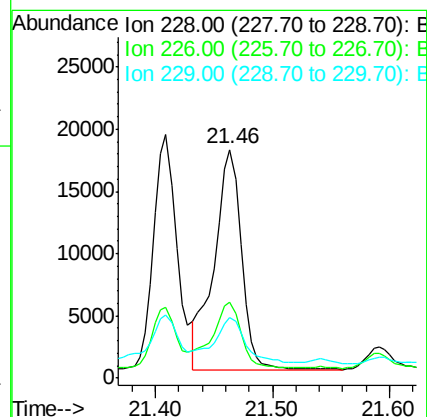
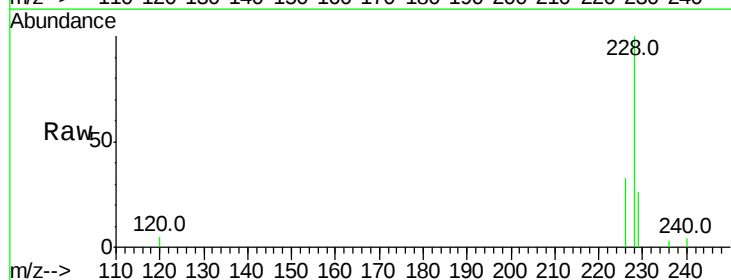
Tgt Ion:228 Resp: 28759

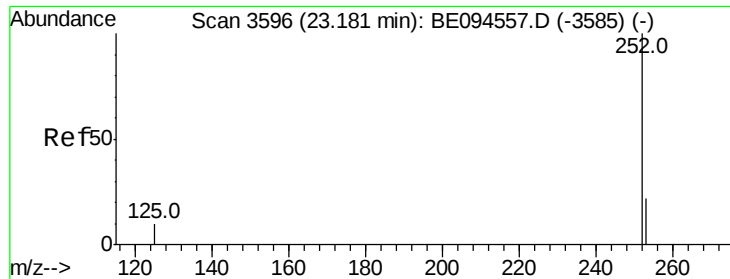
Ion Ratio Lower Upper

228 100

226 33.0 23.4 35.0

229 26.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 1.579 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. 0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

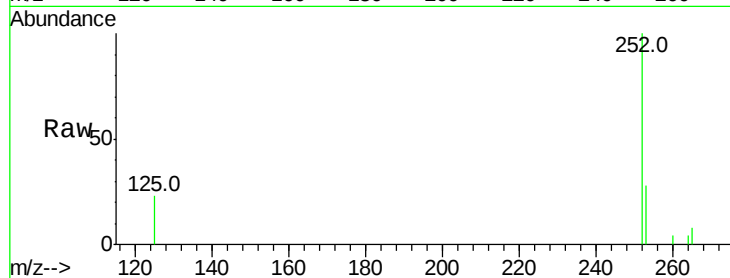
Tot Ion:252 Resp: 47271

Ion Ratio Lower Upper

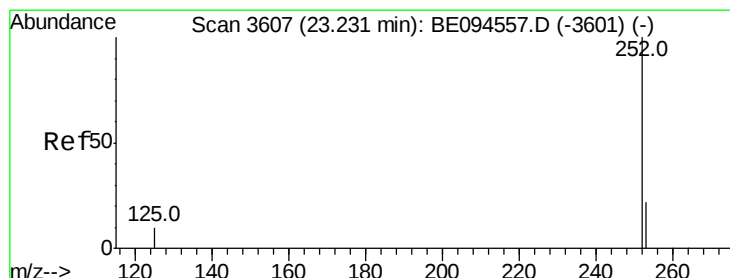
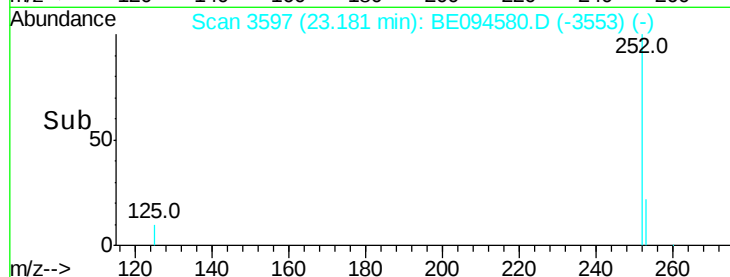
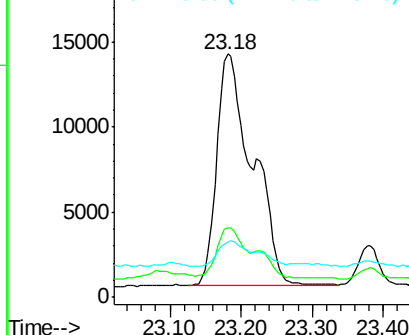
252 100

253 28.3 0.0 64.2

125 22.9 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: 1.473 ng/ul

RT: 23.18 min Scan# 3597

Delta R.T. -0.05 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

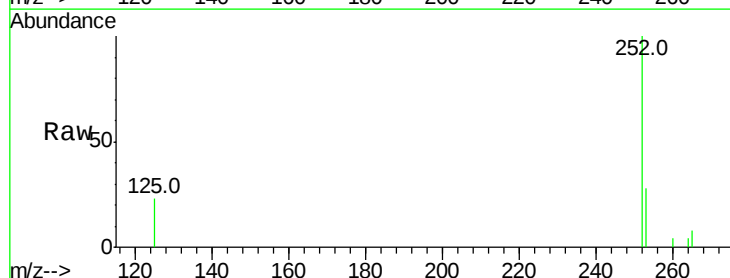
Tgt Ion:252 Resp: 47271

Ion Ratio Lower Upper

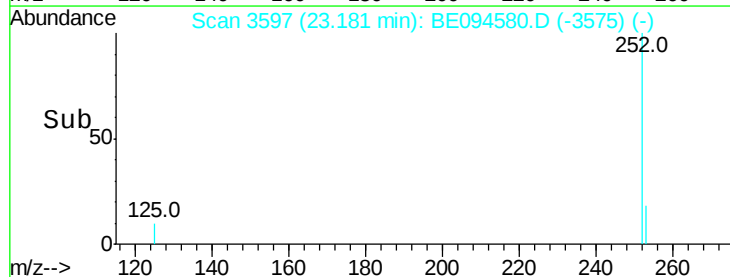
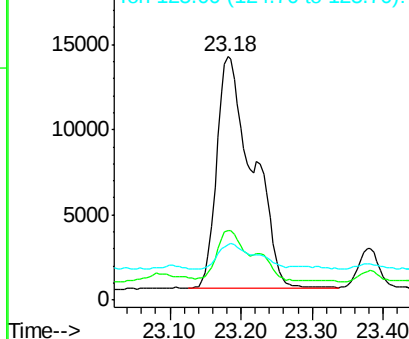
252 100

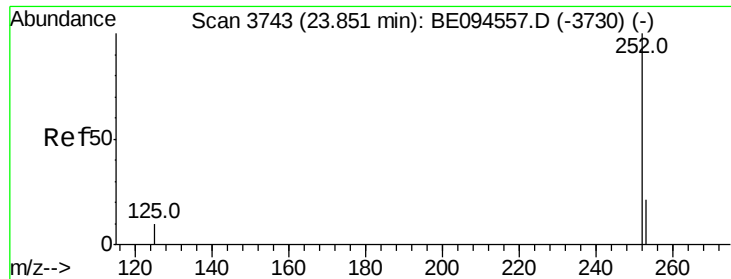
253 28.3 24.5 36.7

125 22.9 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: 0.845 ng/ul

RT: 23.85 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

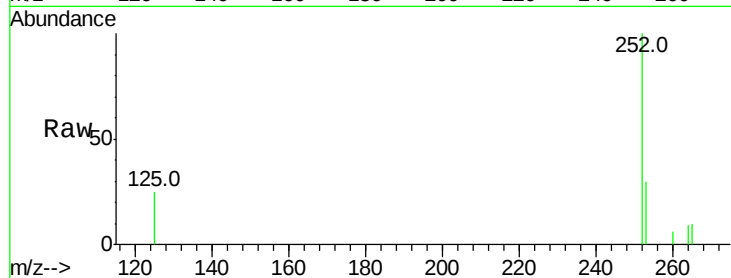
Tot Ion:252 Resp: 25284

Ion Ratio Lower Upper

252 100

253 30.2 28.5 42.7

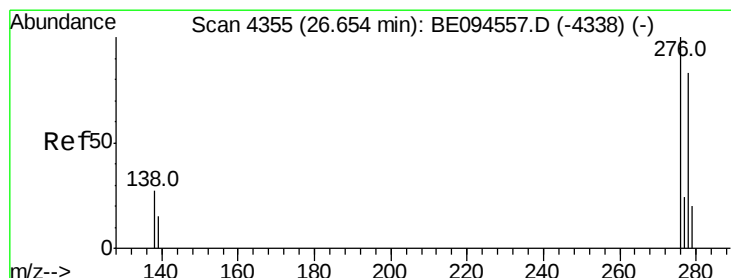
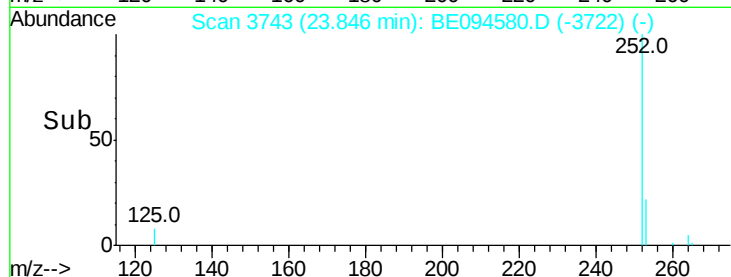
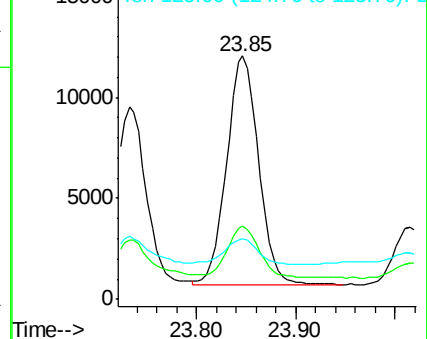
125 24.8 18.1 27.1



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: 0.503 ng/ul

RT: 26.66 min Scan# 4357

Delta R.T. 0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

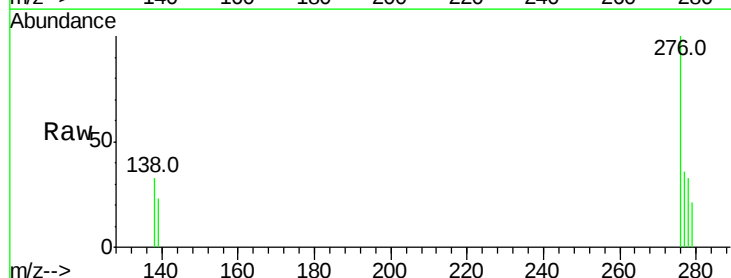
Tgt Ion:276 Resp: 15575

Ion Ratio Lower Upper

276 100

138 20.1 28.0 42.0#

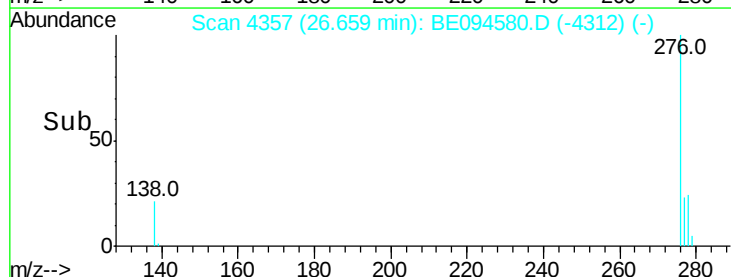
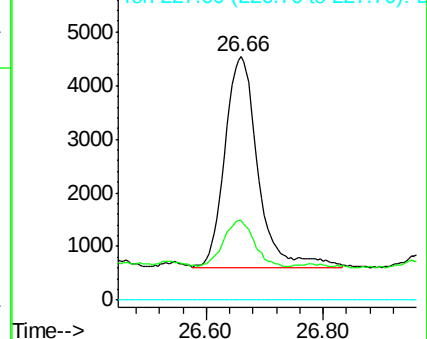
227 0.0 8.0 12.0#

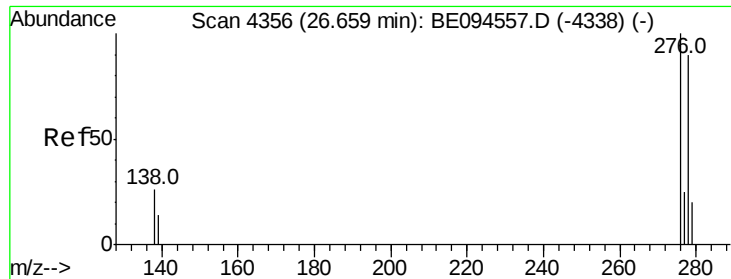


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.161 ng/ul

RT: 26.65 min Scan# 4356

Delta R.T. -0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

Instrument :

BNA_E

ClientSampleId :

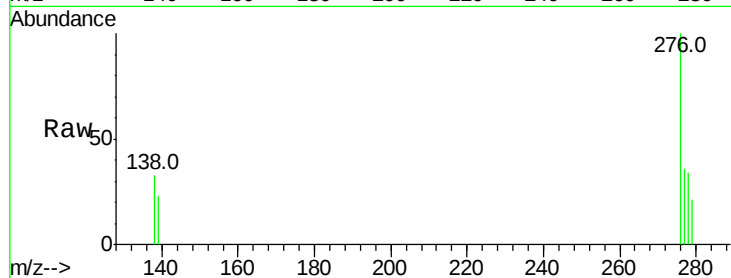
Tot Ion:278 Resp: 4211

Ion Ratio Lower Upper

278 100

139 68.0 17.4 26.0#

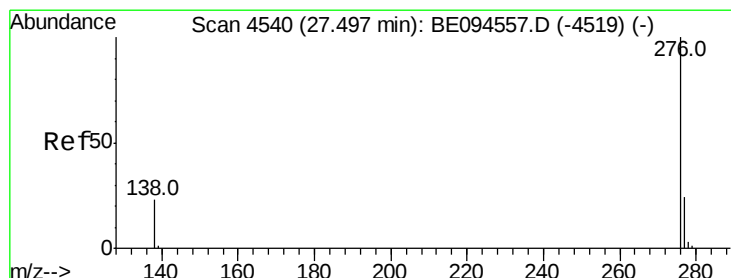
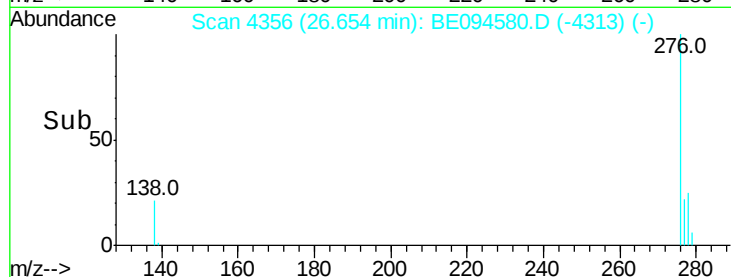
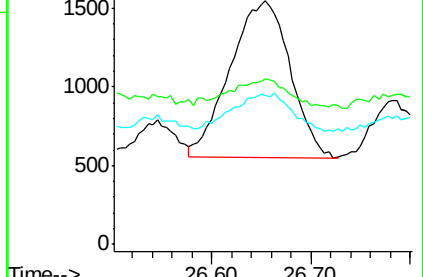
279 61.3 25.9 38.9#



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: 0.560 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. -0.00 min

Lab File: BE094580.D

Acq: 27 Oct 2017 1:58

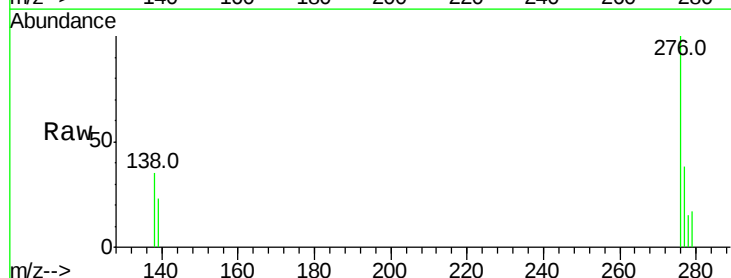
Tgt Ion:276 Resp: 13937

Ion Ratio Lower Upper

276 100

138 34.8 21.8 32.8#

277 37.7 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

