

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094590.D
 Acq On : 27 Oct 2017 11:33
 Operator : SJ/JU
 Sample : I5786-07 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 13:20:41 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

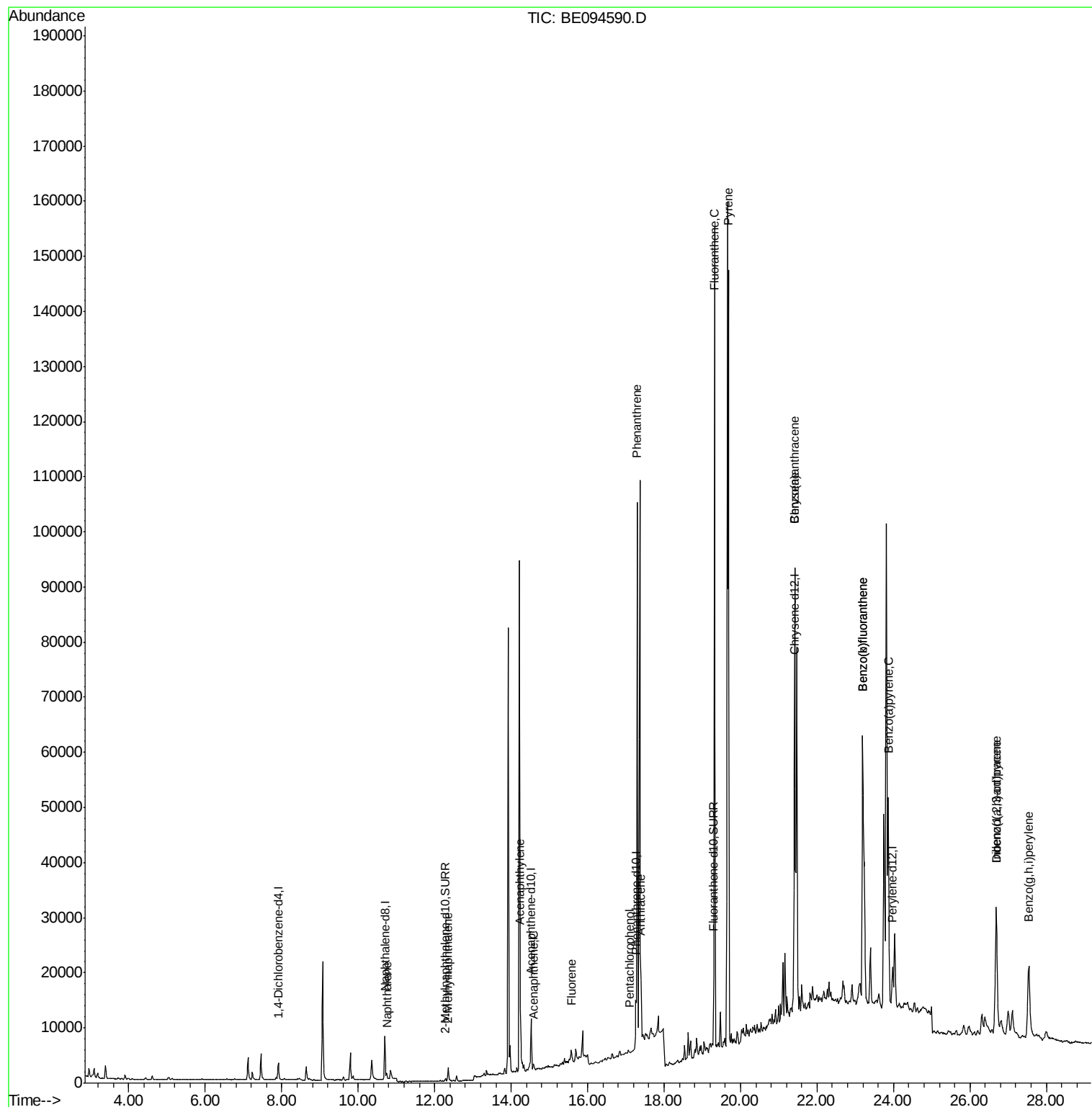
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1630	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9223	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5593	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11426	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	11320	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	11570	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	891	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	1924	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	1828	0.081	ng/ul#	90
5) 2-Methylnaphthalene	12.35	142	2224	0.141	ng/ul	98
7) Acenaphthylene	14.24	152	10088	0.399	ng/ul#	90
8) Acenaphthene	14.58	153	630	0.035	ng/ul#	71
9) Fluorene	15.57	166	1640	0.080	ng/ul#	55
11) Pentachlorophenol	17.10	266	100	0.175	ng/ul#	24
12) Phenanthrene	17.29	178	124458	4.124	ng/ul#	86
13) Anthracene	17.40	178	17372	0.583	ng/ul#	91
15) Fluoranthene	19.32	202	167888	4.812	ng/ul	84
17) Pyrene	19.68	202	155160	4.434	ng/ul#	80
18) Benzo(a)anthracene	21.41	228	75490	2.333	ng/ul#	90
19) Chrysene	21.41	228	75490	2.257	ng/ul	96
21) Benzo(b)fluoranthene	23.19	252	121383	3.730	ng/ul	90
22) Benzo(k)fluoranthene	23.19	252	121383	3.480	ng/ul#	91
23) Benzo(a)pyrene	23.86	252	60591	1.862	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	26.69	276	49742	1.478	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.69	278	11346	0.400	ng/ul#	39
26) Benzo(g,h,i)perylene	27.54	276	38217	1.414	ng/ul#	86

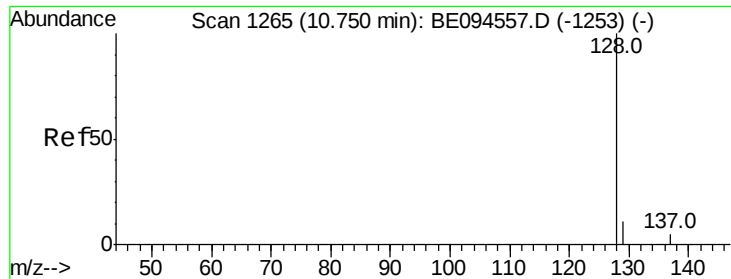
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.081 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

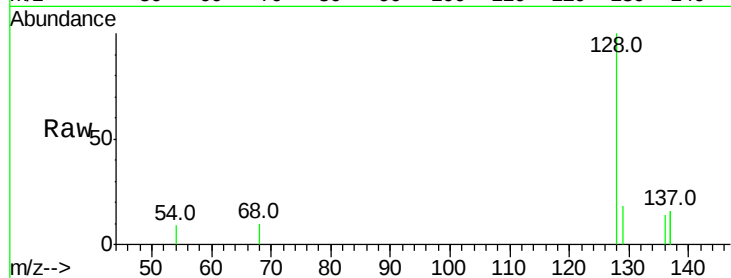
Tot Ion:128 Resp: 1828

Ion Ratio Lower Upper

128 100

129 17.5 11.3 16.9#

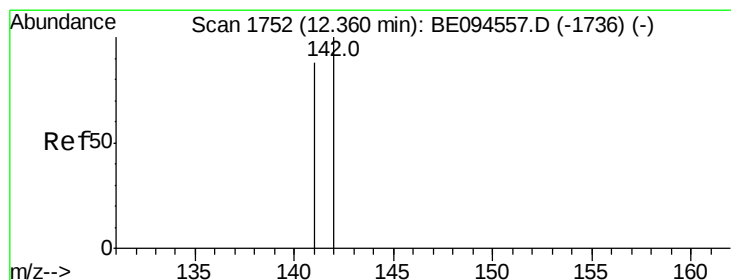
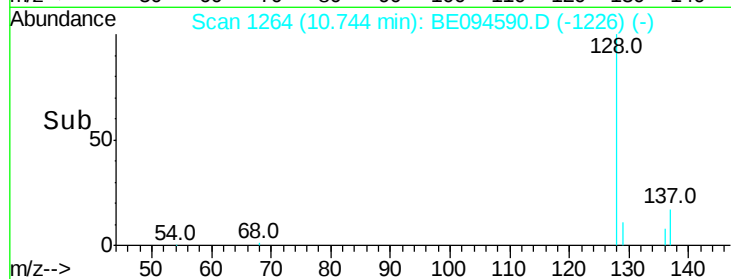
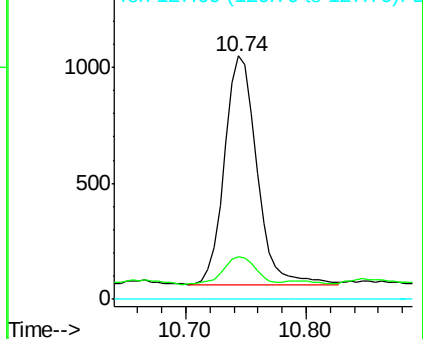
127 0.0 4.0 6.0#



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: 0.141 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094590.D

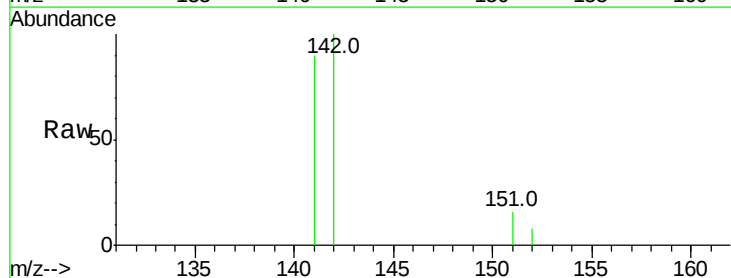
Acq: 27 Oct 2017 11:33

Tgt Ion:142 Resp: 2224

Ion Ratio Lower Upper

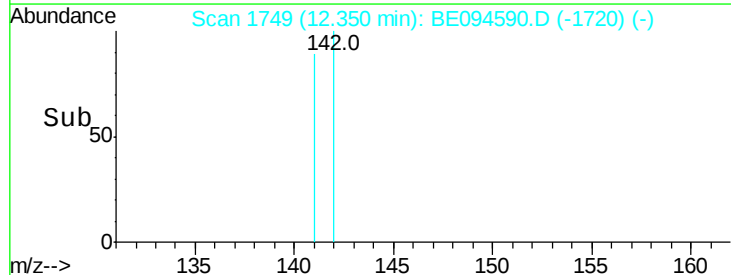
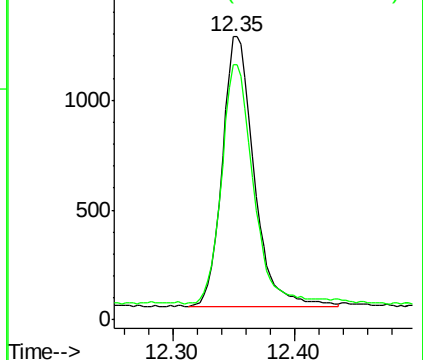
142 100

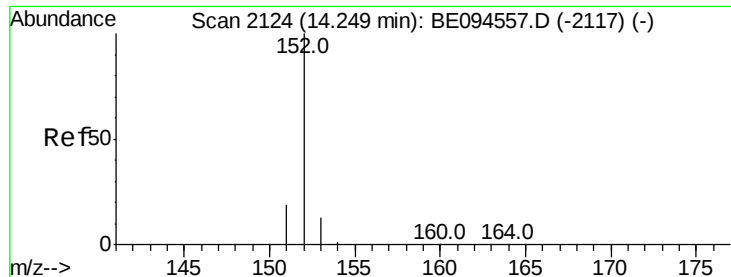
141 88.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.399 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

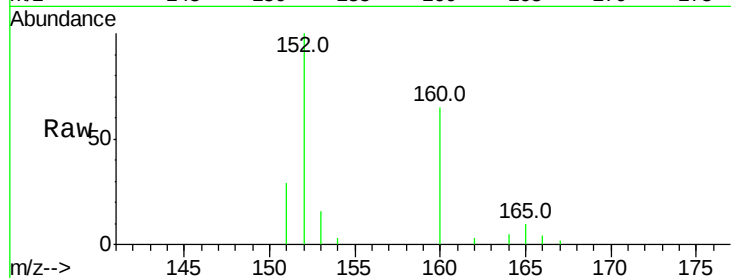
Tot Ion:152 Resp: 10088

Ion Ratio Lower Upper

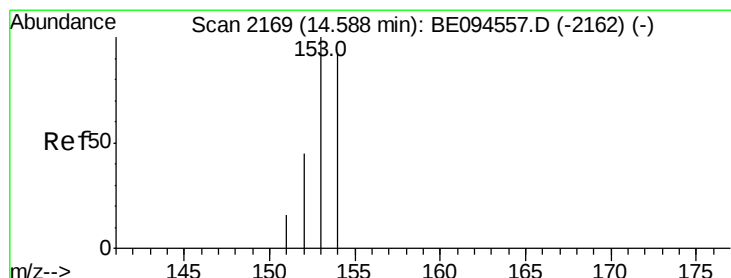
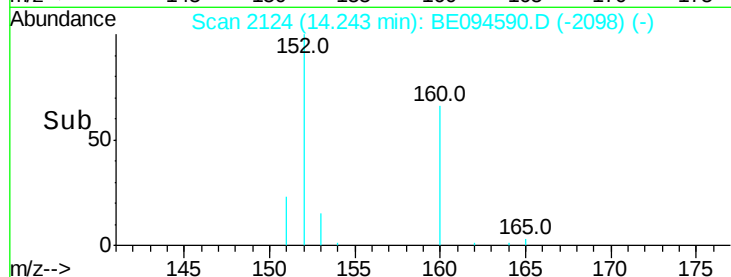
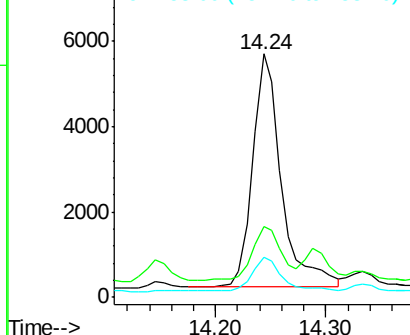
152 100

151 29.3 17.1 25.7#

153 16.5 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: 0.035 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

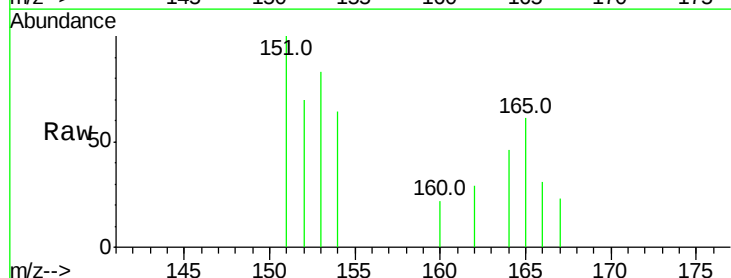
Tgt Ion:153 Resp: 630

Ion Ratio Lower Upper

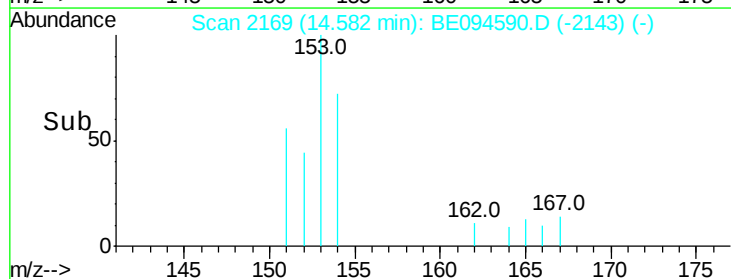
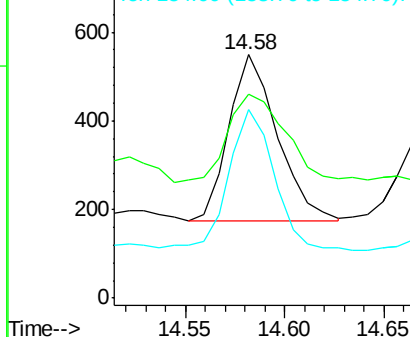
153 100

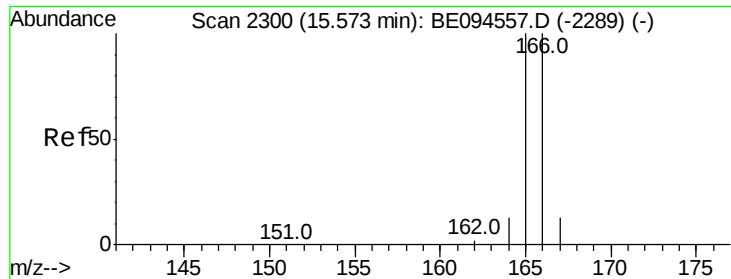
152 83.8 36.0 54.0#

154 77.4 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: 0.080 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

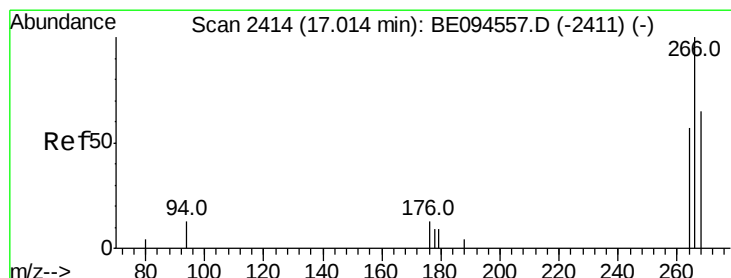
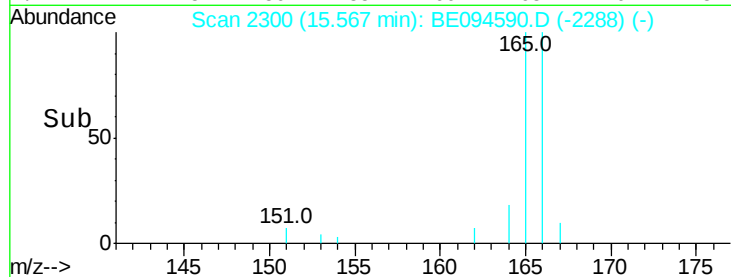
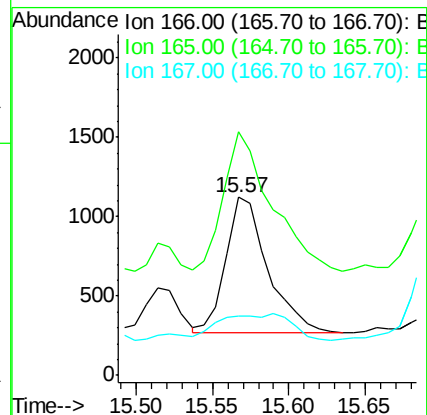
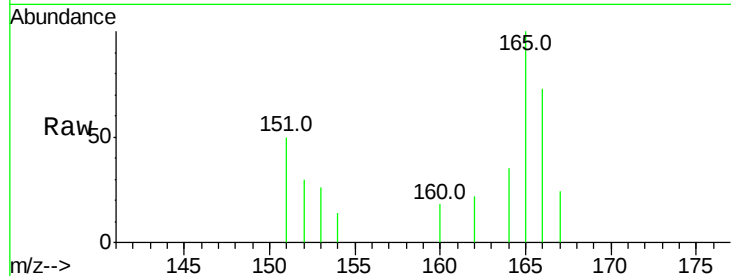
Tot Ion:166 Resp: 1640

Ion Ratio Lower Upper

166 100

165 137.0 73.4 110.2#

167 33.3 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.175 ng/ul

RT: 17.10 min Scan# 2420

Delta R.T. 0.09 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

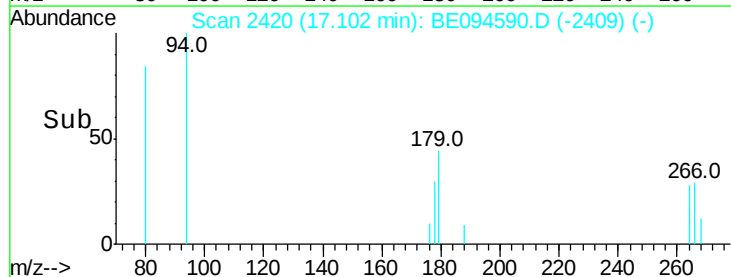
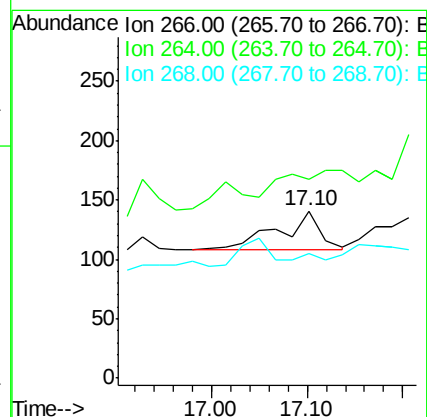
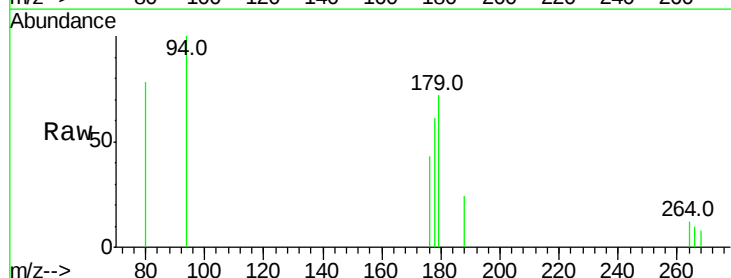
Tgt Ion:266 Resp: 100

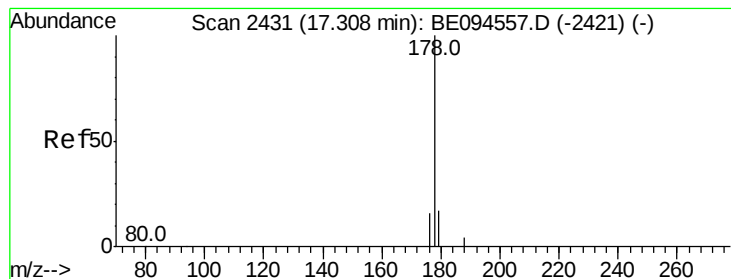
Ion Ratio Lower Upper

266 100

264 114.0 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 4.124 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

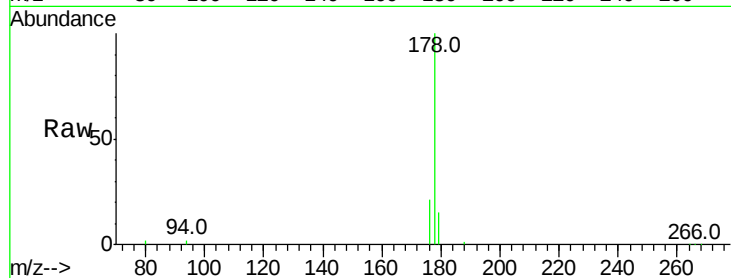
Tot Ion:178 Resp: 124458

Ion Ratio Lower Upper

178 100

179 14.9 18.4 27.6#

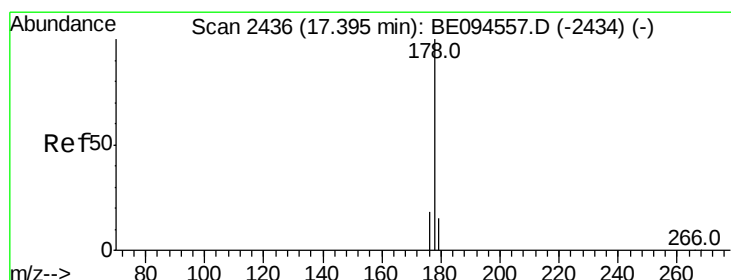
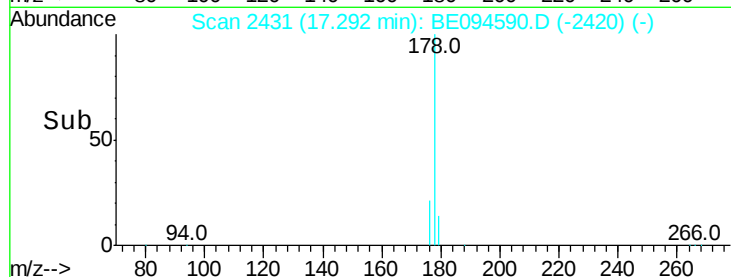
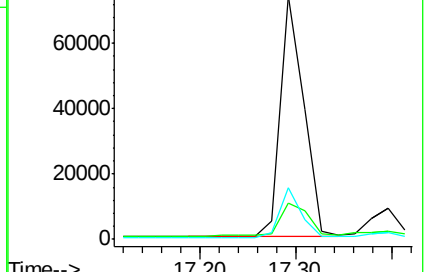
176 21.4 13.6 20.4#



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: 0.583 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

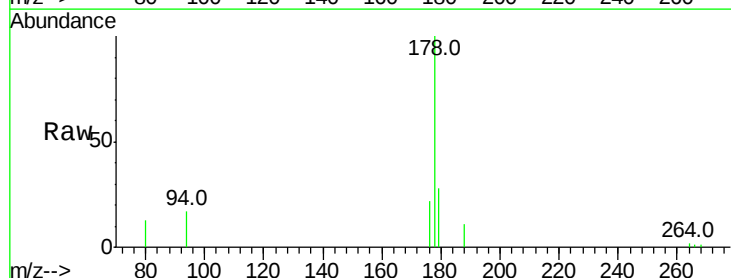
Tgt Ion:178 Resp: 17372

Ion Ratio Lower Upper

178 100

179 27.8 18.1 27.1#

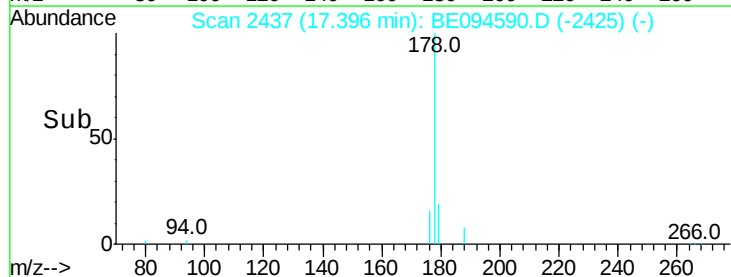
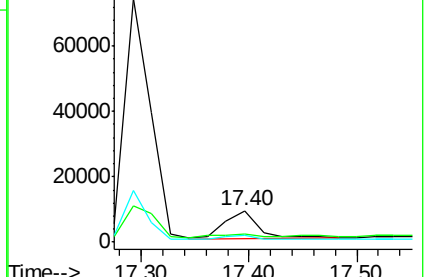
176 21.8 14.7 22.1

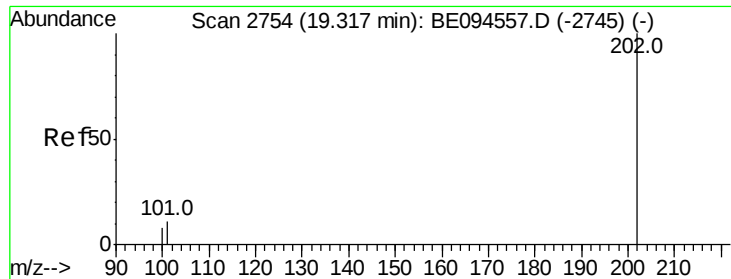


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

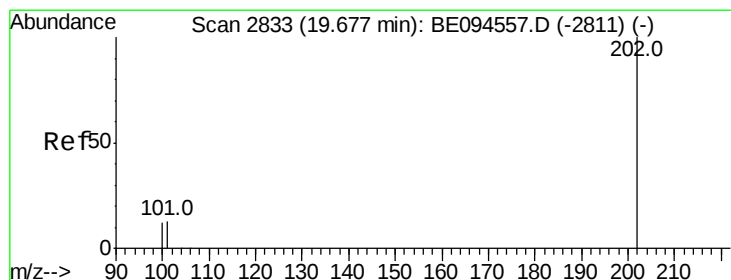
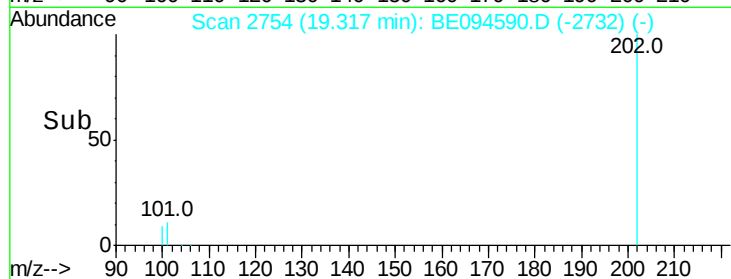
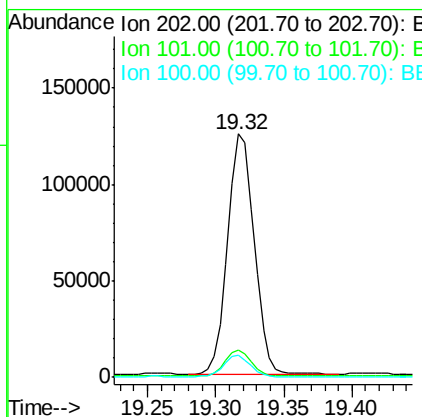
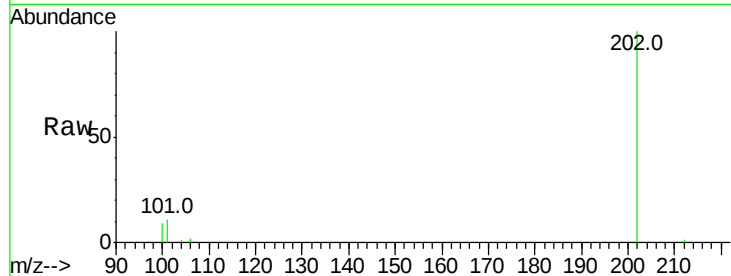




#15
Fluoranthene
 Concen: 4.812 ng/ul
 RT: 19.32 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE094590.D
 Acq: 27 Oct 2017 11:33

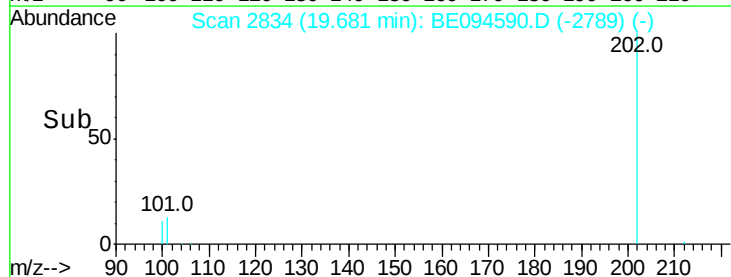
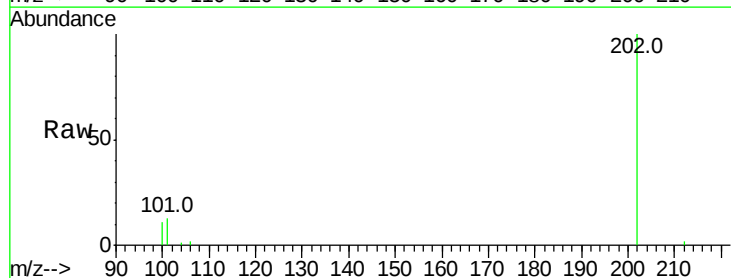
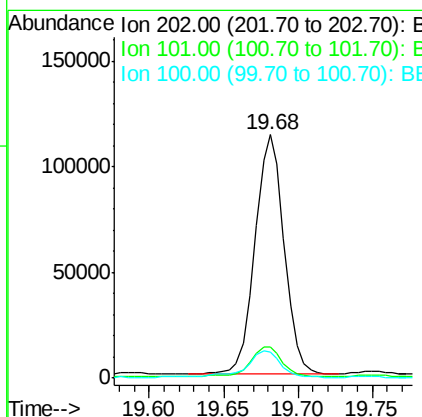
Instrument :
 BNA_E
 ClientSampleId :

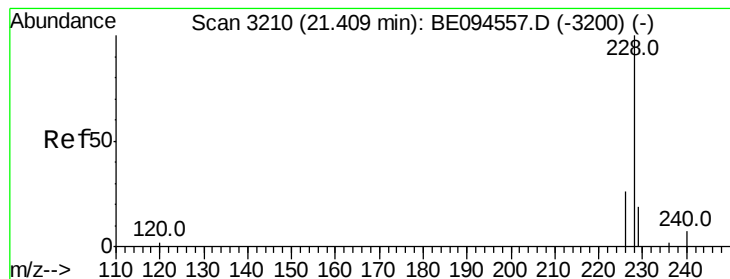
Tot Ion:202 Resp: 167888
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.3
 100 9.0 0.0 39.5



#17
Pyrene
 Concen: 4.434 ng/ul
 RT: 19.68 min Scan# 2834
 Delta R.T. 0.00 min
 Lab File: BE094590.D
 Acq: 27 Oct 2017 11:33

Tgt Ion:202 Resp: 155160
 Ion Ratio Lower Upper
 202 100
 101 12.8 18.2 27.4#
 100 10.8 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 2.333 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

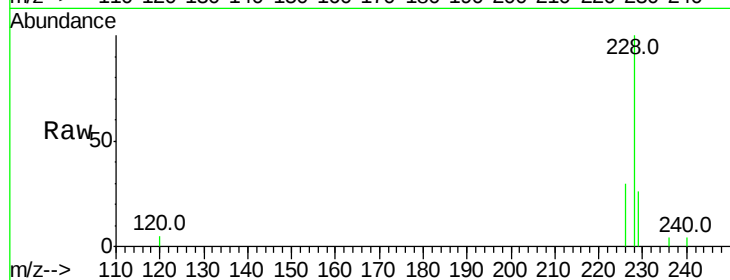
Tot Ion:228 Resp: 75490

Ion Ratio Lower Upper

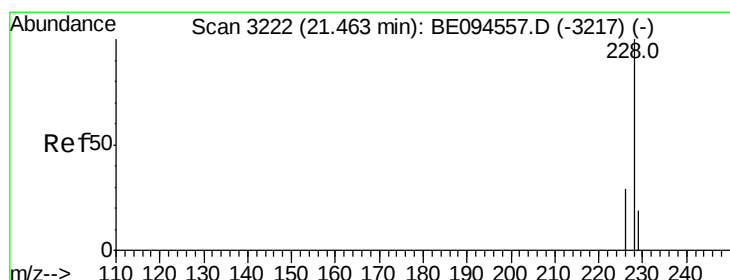
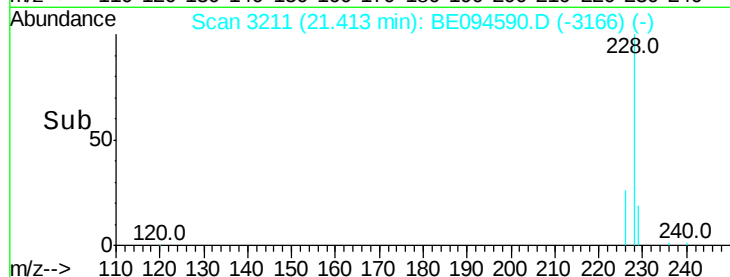
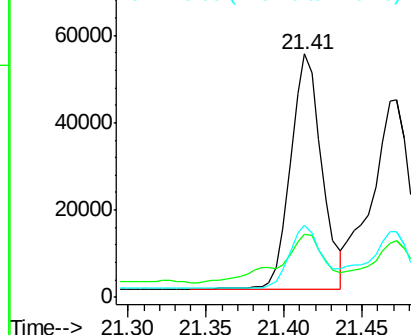
228 100

229 25.9 22.8 34.2

226 29.6 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: 2.257 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.05 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

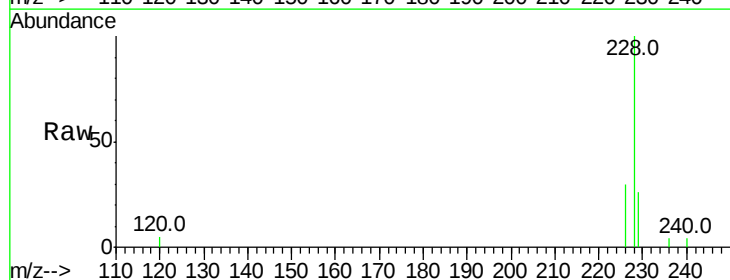
Tgt Ion:228 Resp: 75490

Ion Ratio Lower Upper

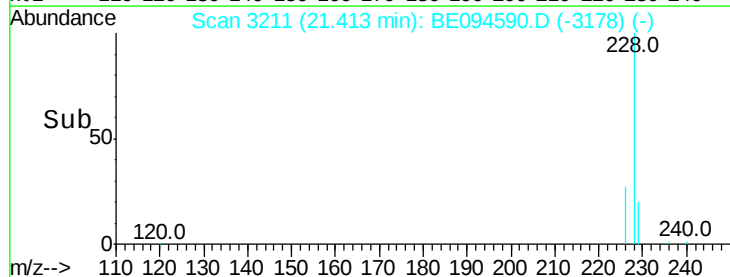
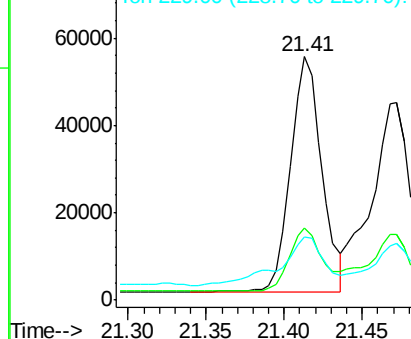
228 100

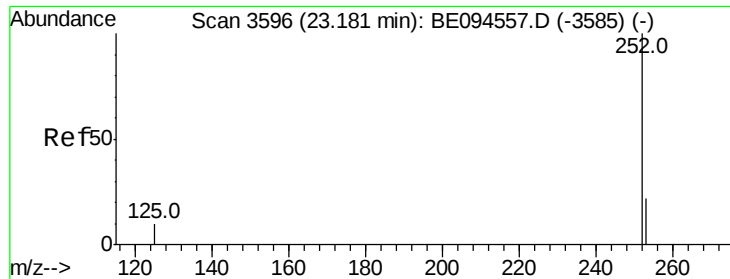
226 29.6 23.4 35.0

229 25.9 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: 3.730 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. 0.01 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

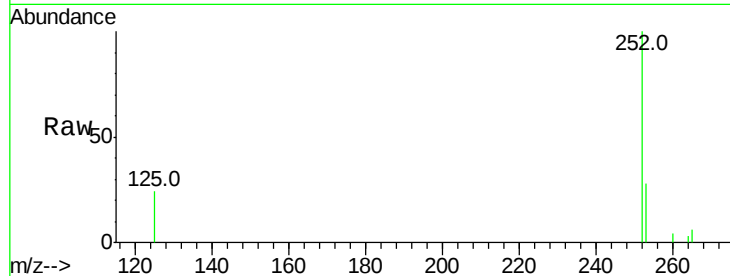
Tot Ion:252 Resp: 121383

Ion Ratio Lower Upper

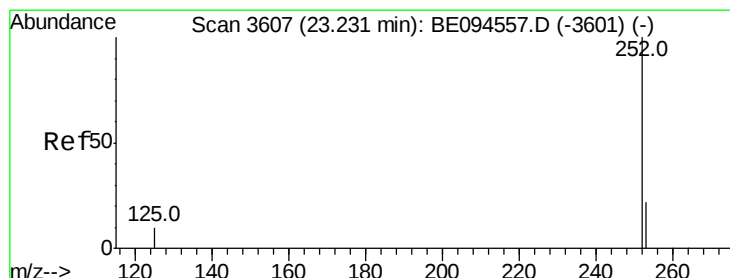
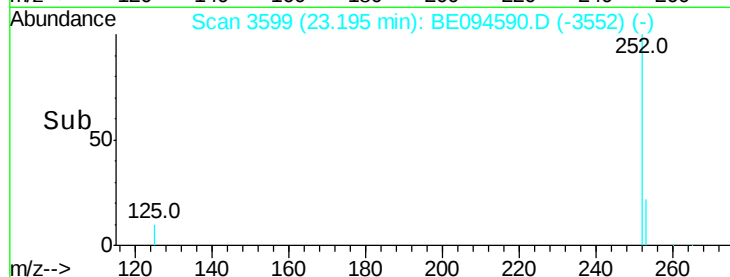
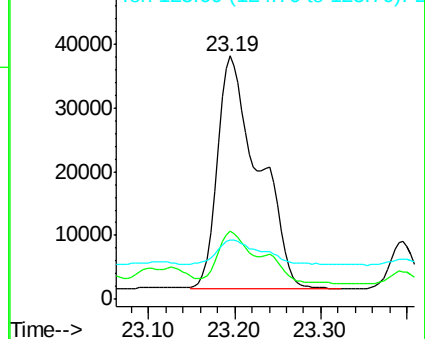
252 100

253 27.8 0.0 64.2

125 24.3 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: 3.480 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. -0.04 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

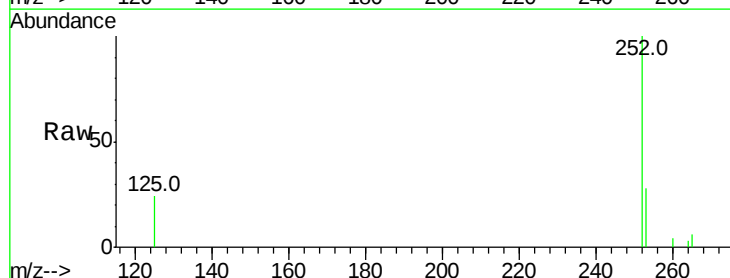
Tgt Ion:252 Resp: 121383

Ion Ratio Lower Upper

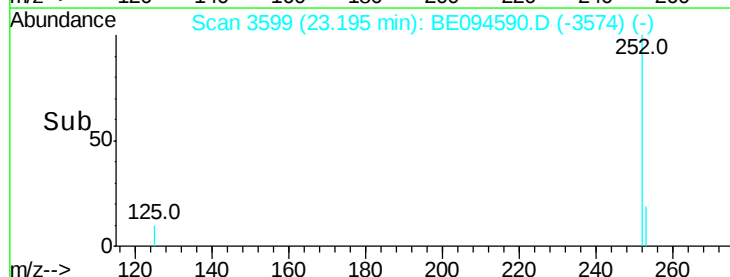
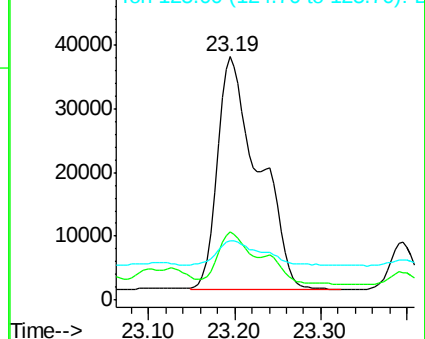
252 100

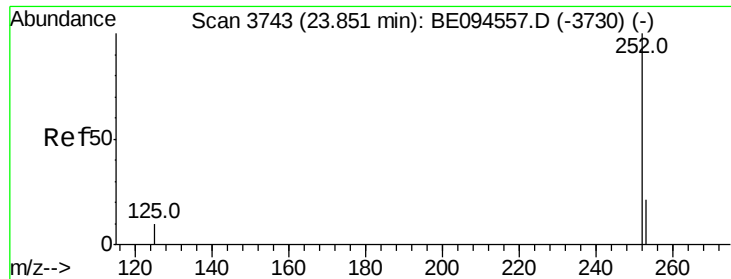
253 27.8 24.5 36.7

125 24.3 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: 1.862 ng/ul

RT: 23.86 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

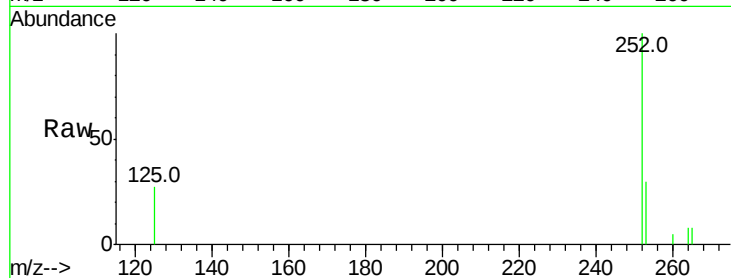
Tot Ion:252 Resp: 60591

Ion Ratio Lower Upper

252 100

253 29.5 28.5 42.7

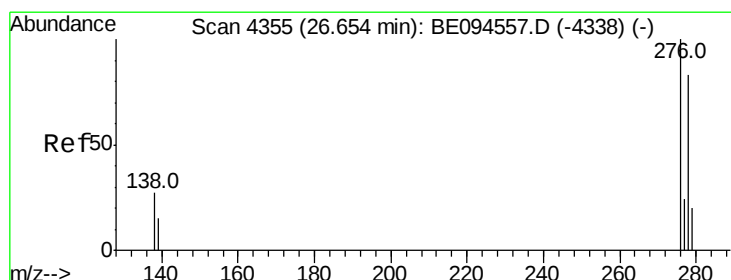
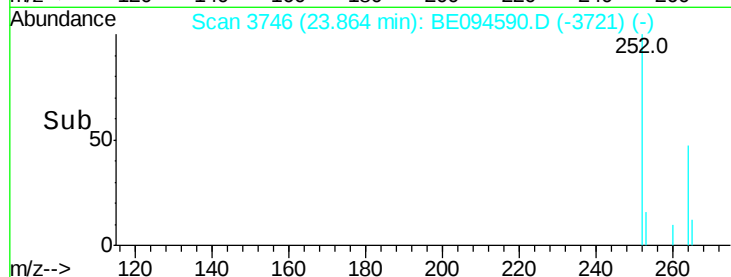
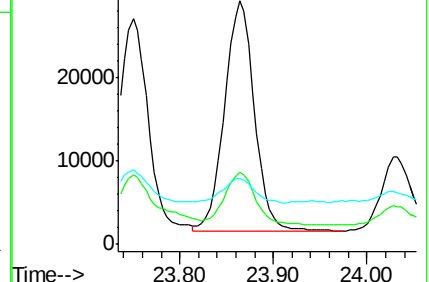
125 27.1 18.1 27.1



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: 1.478 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.03 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

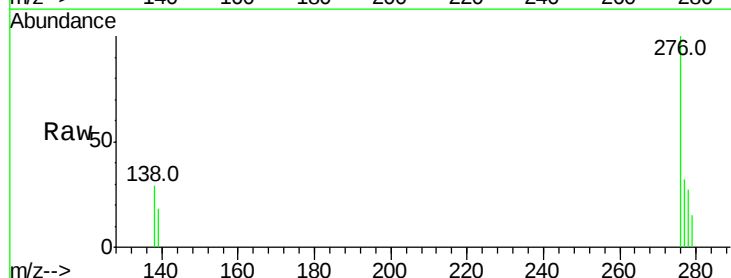
Tgt Ion:276 Resp: 49742

Ion Ratio Lower Upper

276 100

138 20.2 28.0 42.0#

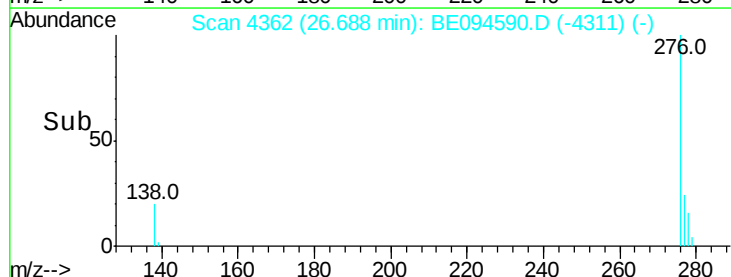
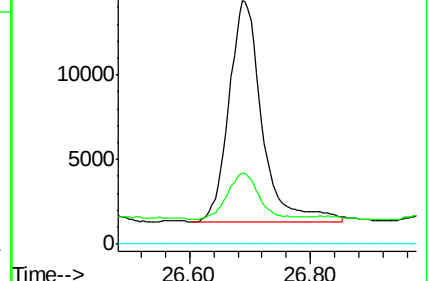
227 0.0 8.0 12.0#

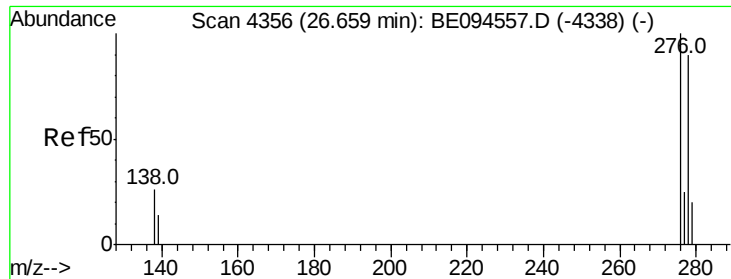


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.400 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. 0.03 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

Instrument :

BNA_E

ClientSampleId :

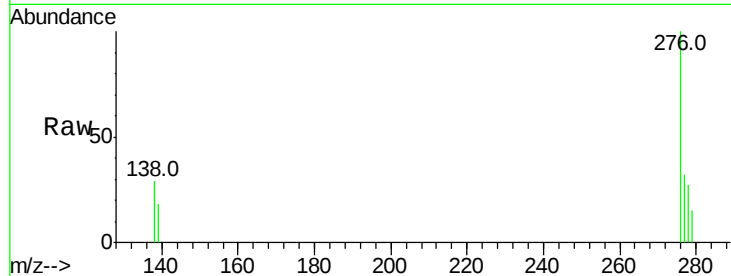
Tot Ion:278 Resp: 11346

Ion Ratio Lower Upper

278 100

139 64.0 17.4 26.0#

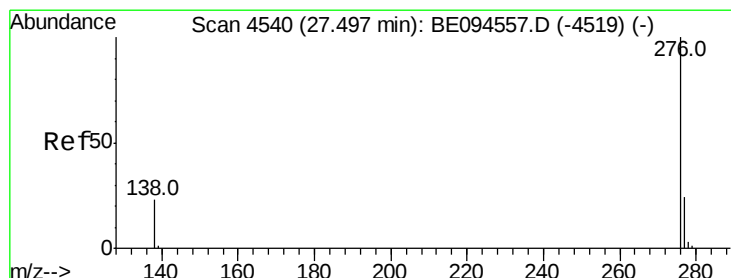
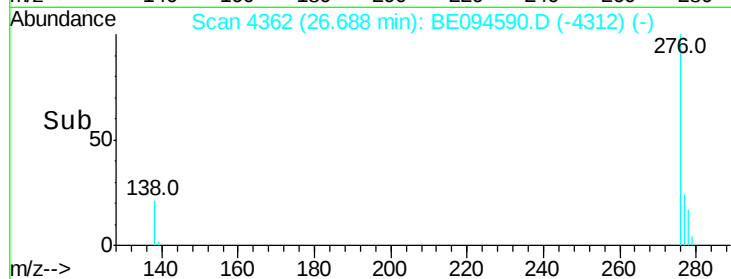
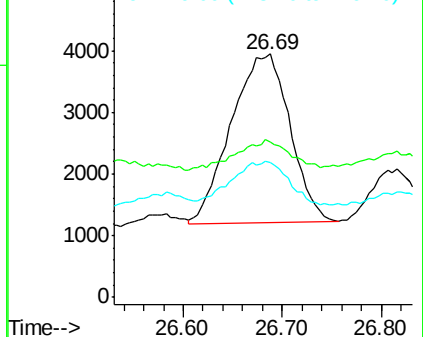
279 55.6 25.9 38.9#



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: 1.414 ng/ul

RT: 27.54 min Scan# 4549

Delta R.T. 0.04 min

Lab File: BE094590.D

Acq: 27 Oct 2017 11:33

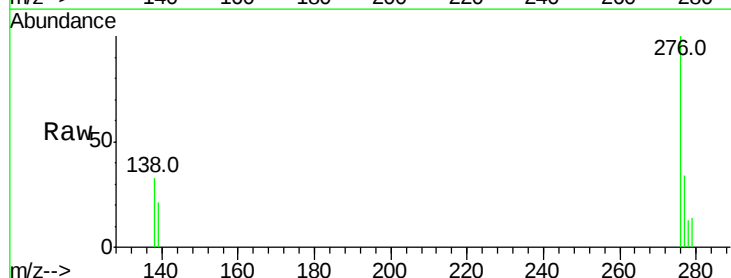
Tgt Ion:276 Resp: 38217

Ion Ratio Lower Upper

276 100

138 33.5 21.8 32.8#

277 34.3 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

