

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\
 Data File : BE094565.D
 Acq On : 26 Oct 2017 16:49
 Operator : SJ/JU
 Sample : I5873-05 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 27 07:41:05 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

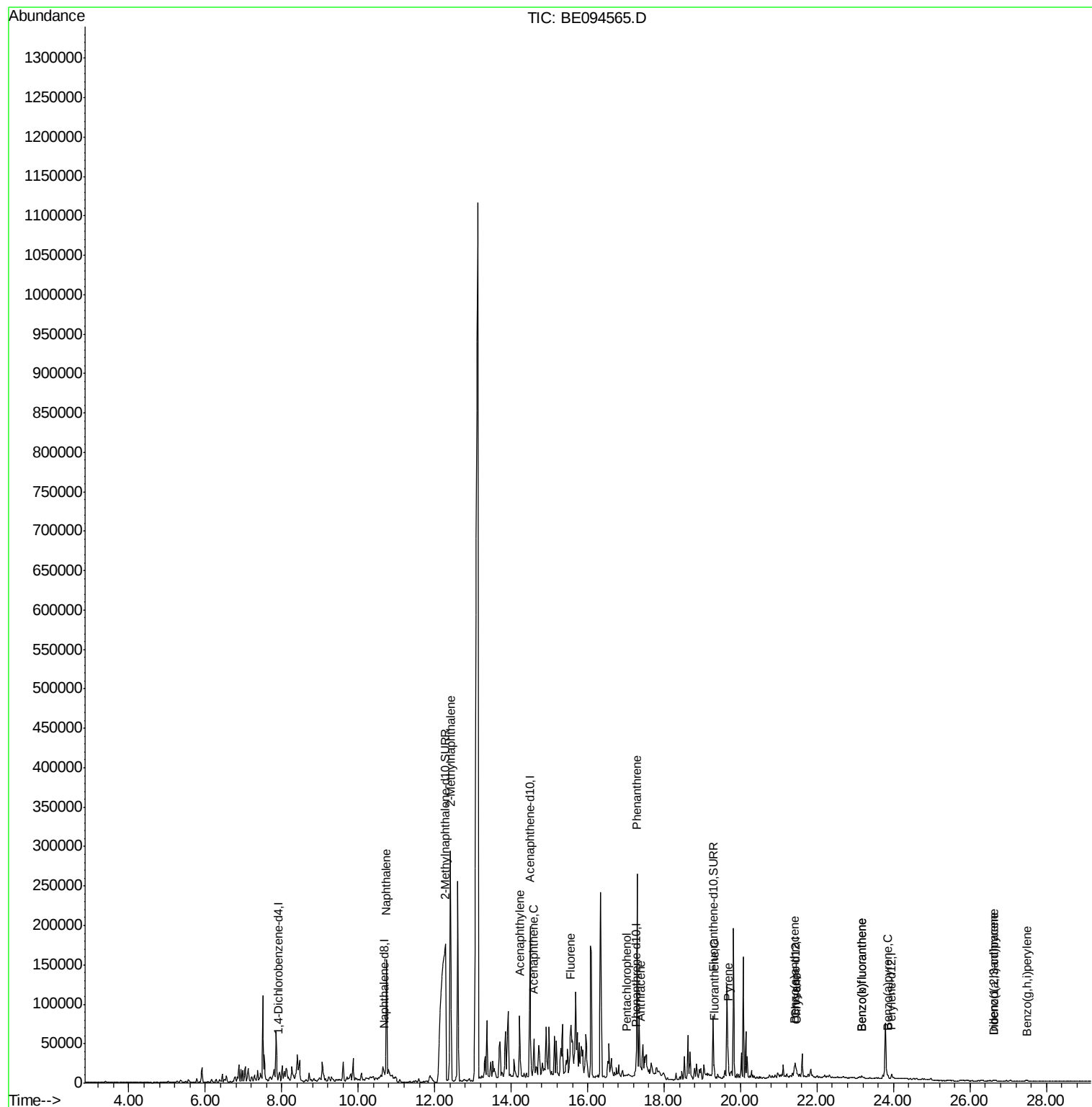
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1305	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7728	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.49	164	5411	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.26	188	8339	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	8366	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9264	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	139626	11.13	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	82919	3.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	246885	13.066	ng/ul#	94
5) 2-Methylnaphthalene	12.41	142	310807	23.512	ng/ul	98
7) Acenaphthylene	14.21	152	2674	0.109	ng/ul#	1
8) Acenaphthene	14.59	153	23321	1.326	ng/ul#	68
9) Fluorene	15.57	166	43197	2.187	ng/ul#	85
11) Pentachlorophenol	17.03	266	150	0.360	ng/ul#	43
12) Phenanthrene	17.29	178	293152	13.309	ng/ul#	89
13) Anthracene	17.38	178	14139	0.650	ng/ul#	74
15) Fluoranthene	19.31	202	16237	0.638	ng/ul	79
17) Pyrene	19.67	202	46375	1.793	ng/ul#	88
18) Benzo(a)anthracene	21.40	228	8694	0.364	ng/ul#	47
19) Chrysene	21.46	228	14523	0.587	ng/ul#	63
21) Benzo(b)fluoranthene	23.17	252	7539	0.289	ng/ul#	17
22) Benzo(k)fluoranthene	23.17	252	7441	0.266	ng/ul#	13
23) Benzo(a)pyrene	23.84	252	6678	0.256	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	26.64	276	2309	0.086	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.62	278	1266	0.056	ng/ul#	1
26) Benzo(g,h,i)perylene	27.48	276	3277	0.151	ng/ul#	44

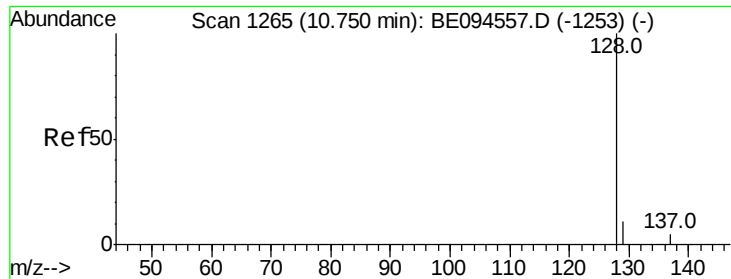
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 13.066 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

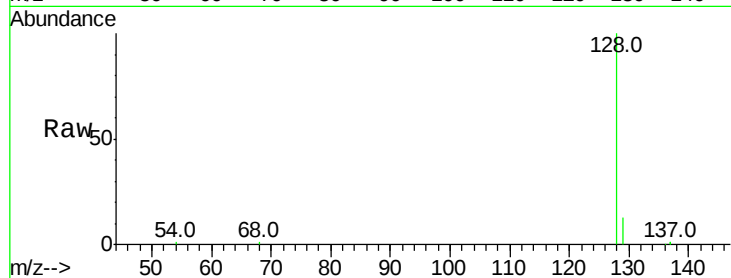
Tot Ion:128 Resp: 246885

Ion Ratio Lower Upper

128 100

129 12.8 11.3 16.9

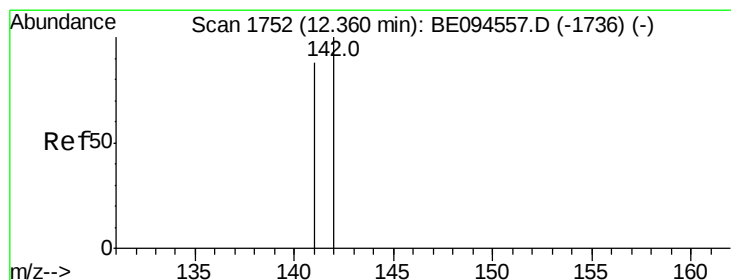
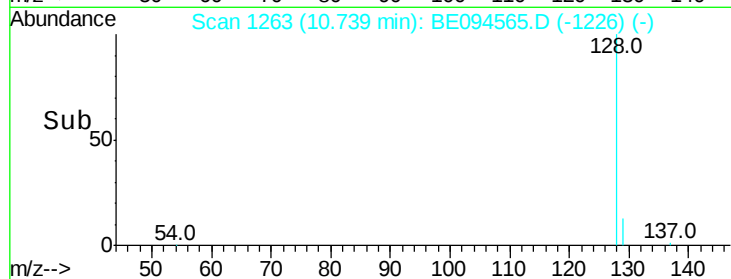
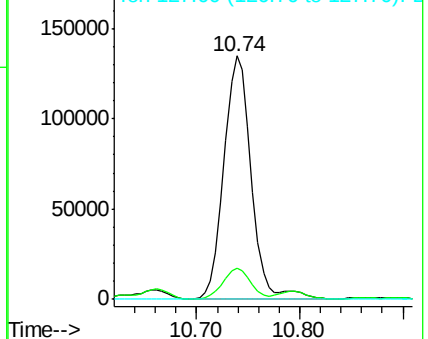
127 0.0 4.0 6.0#



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: 23.512 ng/ul

RT: 12.41 min Scan# 1769

Delta R.T. 0.05 min

Lab File: BE094565.D

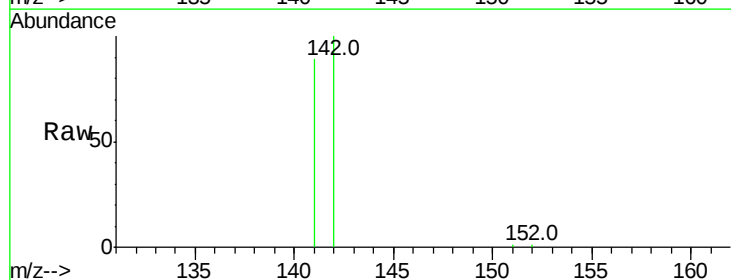
Acq: 26 Oct 2017 16:49

Tgt Ion:142 Resp: 310807

Ion Ratio Lower Upper

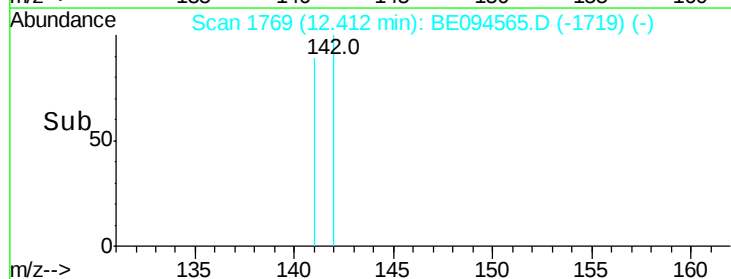
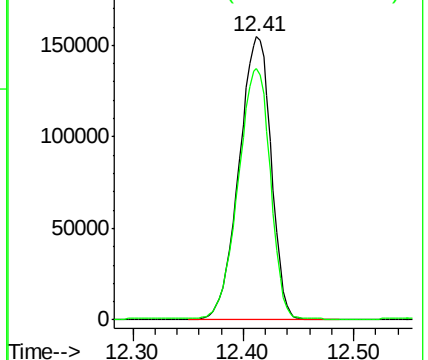
142 100

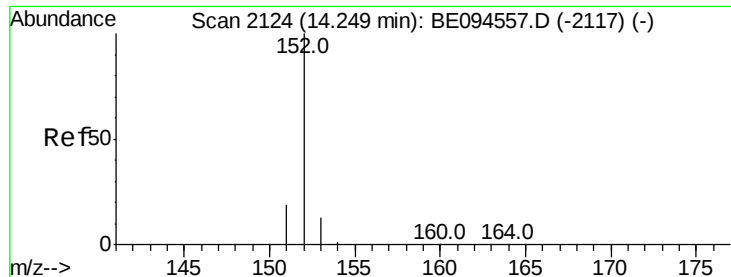
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.109 ng/ul

RT: 14.21 min Scan# 2119

Delta R.T. -0.04 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

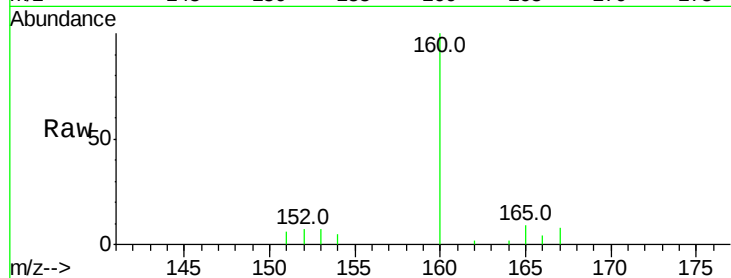
Tot Ion:152 Resp: 2674

Ion Ratio Lower Upper

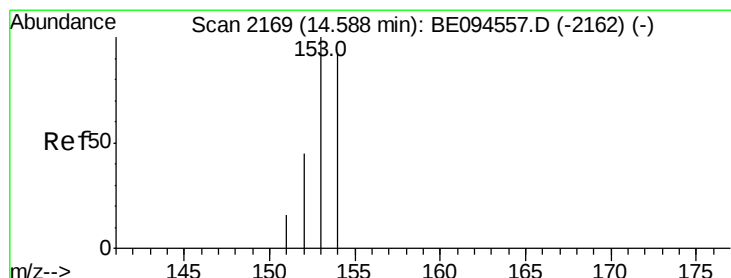
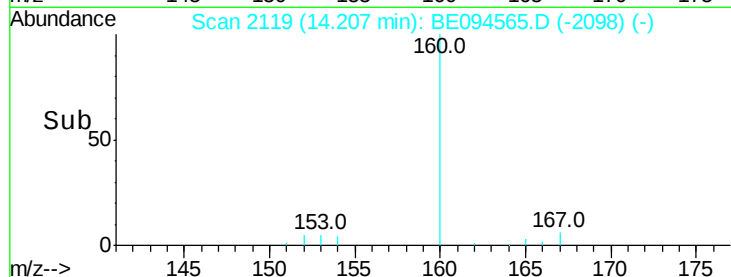
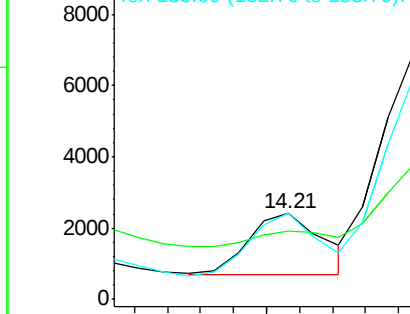
152 100

151 79.9 17.1 25.7#

153 100.1 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: 1.326 ng/ul

RT: 14.59 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

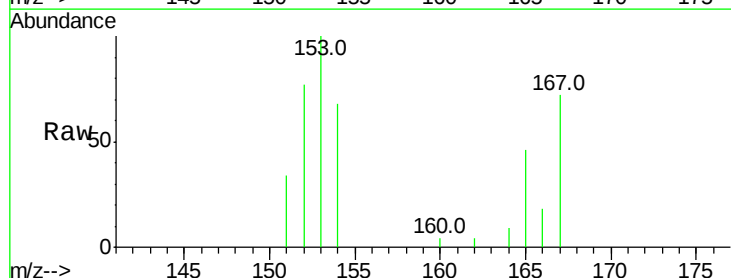
Tgt Ion:153 Resp: 23321

Ion Ratio Lower Upper

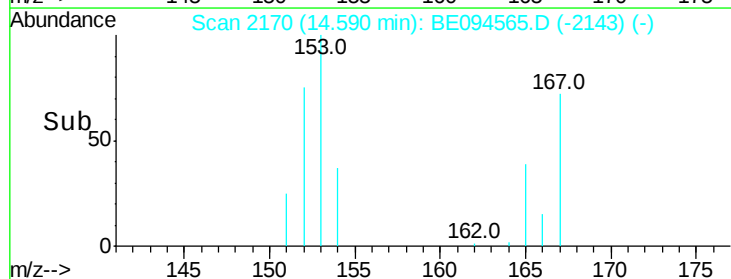
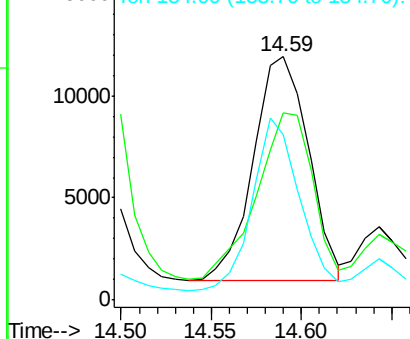
153 100

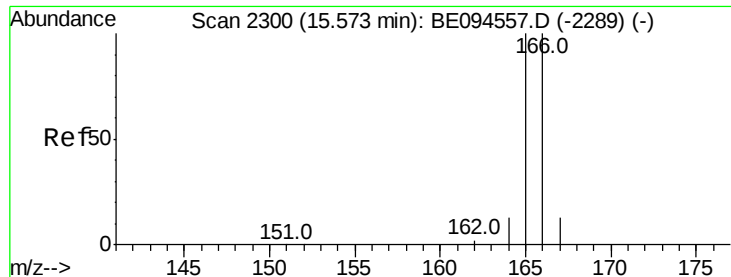
152 76.9 36.0 54.0#

154 68.0 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

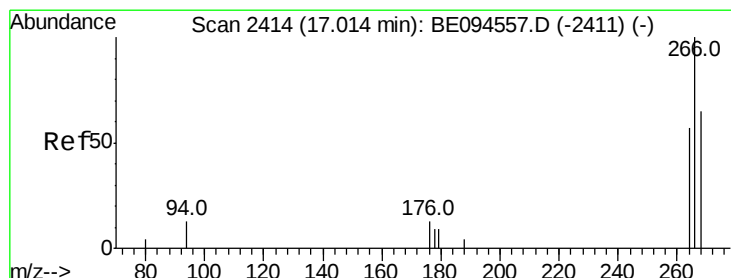
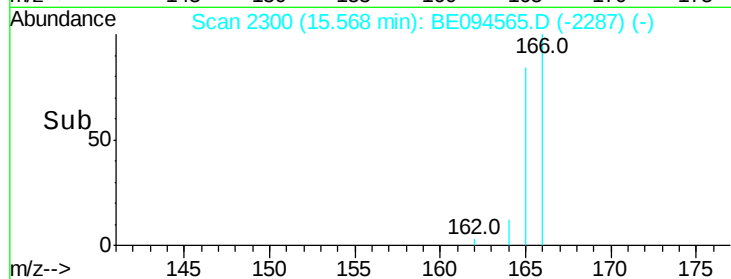
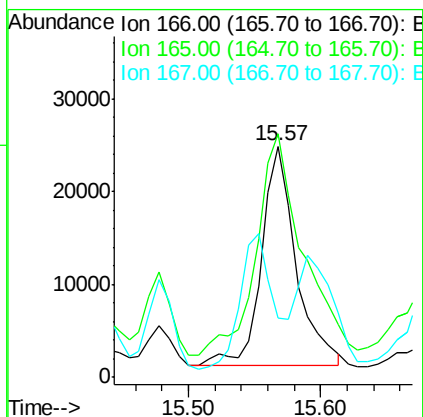
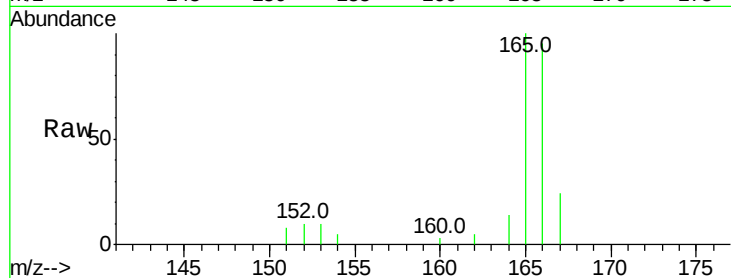




#9
Fluorene
 Concen: 2.187 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094565.D
 Acq: 26 Oct 2017 16:49

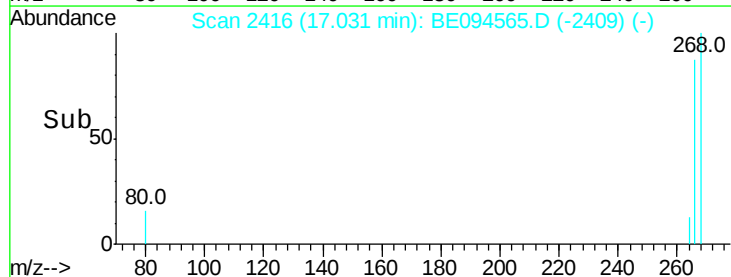
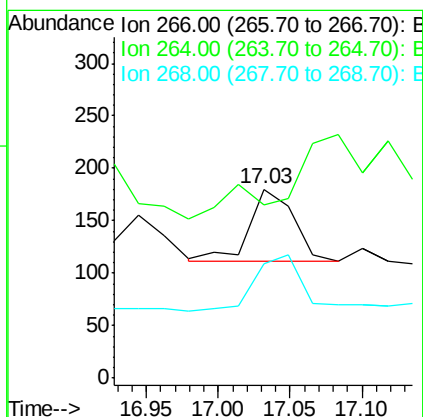
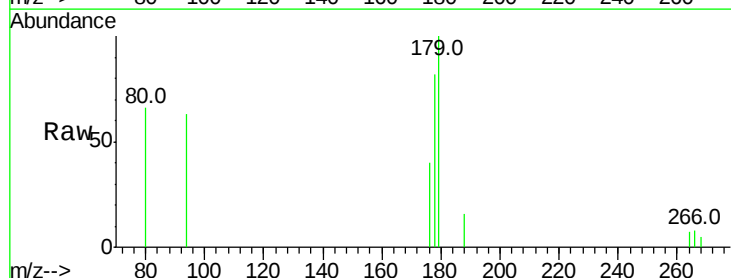
Instrument :
 BNA_E
 ClientSampleId :

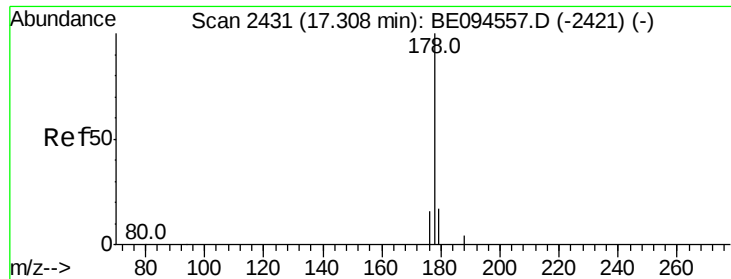
Tot Ion:166 Resp: 43197
 Ion Ratio Lower Upper
 166 100
 165 105.3 73.4 110.2
 167 25.6 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.360 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. 0.02 min
 Lab File: BE094565.D
 Acq: 26 Oct 2017 16:49

Tgt Ion:266 Resp: 150
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 89.3 49.8 74.8#





#12

Phenanthrene

Concen: 13.309 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

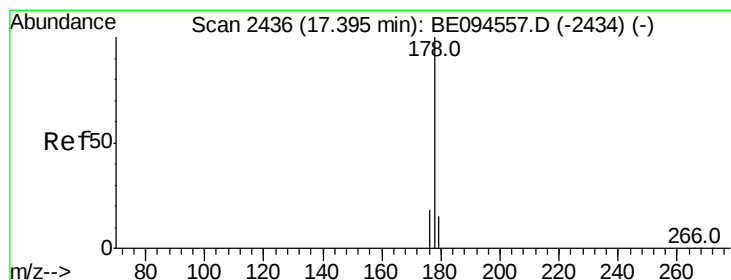
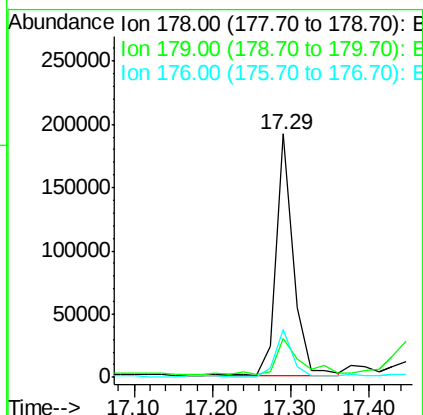
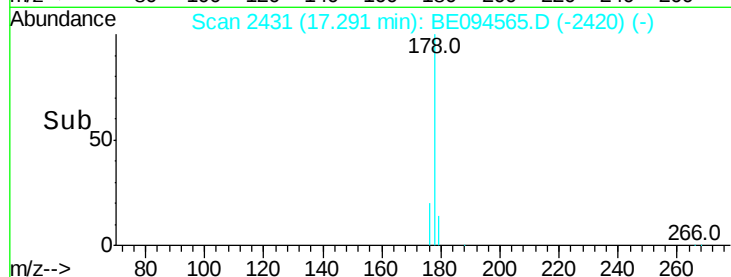
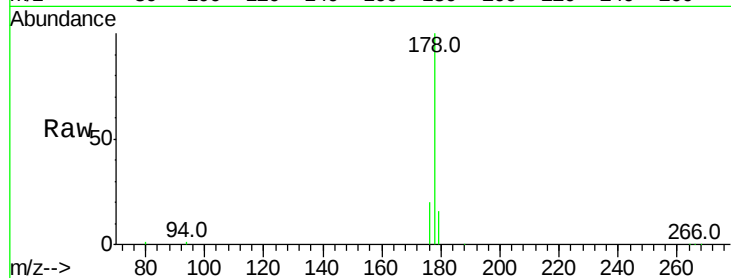
Tot Ion:178 Resp: 293152

Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

176 19.7 13.6 20.4



#13

Anthracene

Concen: 0.650 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

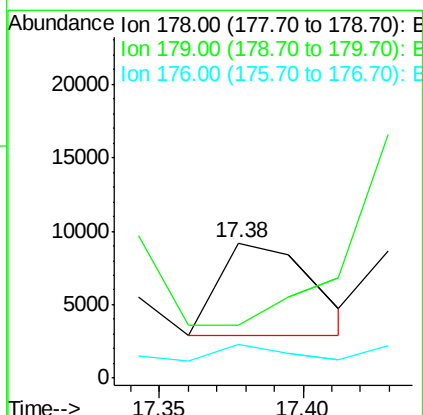
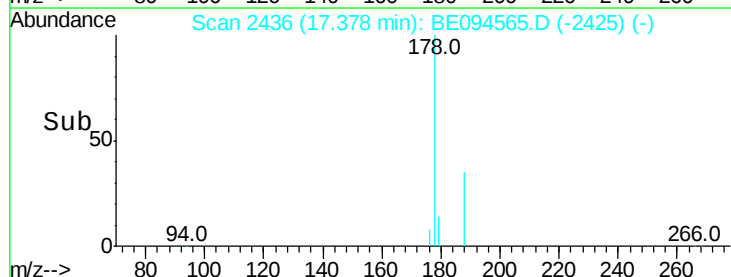
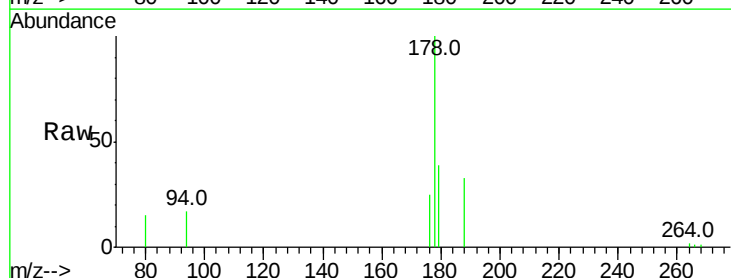
Tgt Ion:178 Resp: 14139

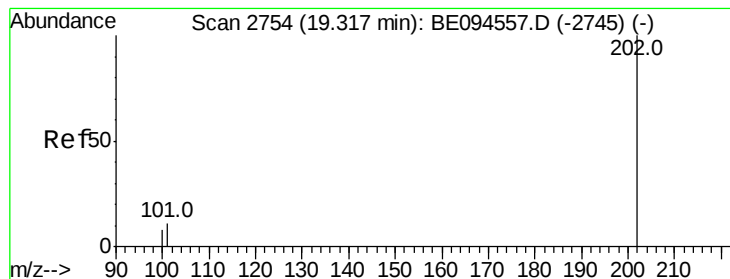
Ion Ratio Lower Upper

178 100

179 38.8 18.1 27.1#

176 25.4 14.7 22.1#





#15

Fluoranthene

Concen: 0.638 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

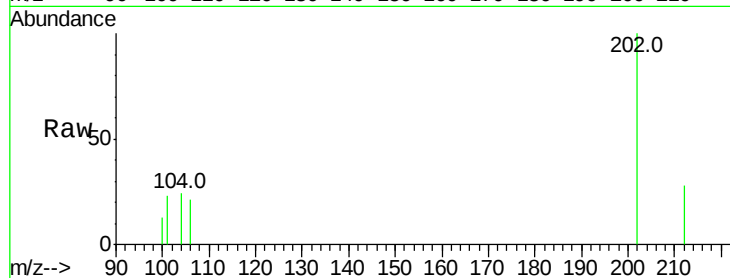
Tot Ion:202 Resp: 16237

Ion Ratio Lower Upper

202 100

101 22.8 0.0 30.3

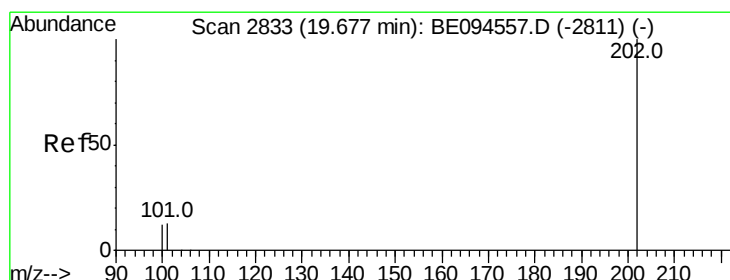
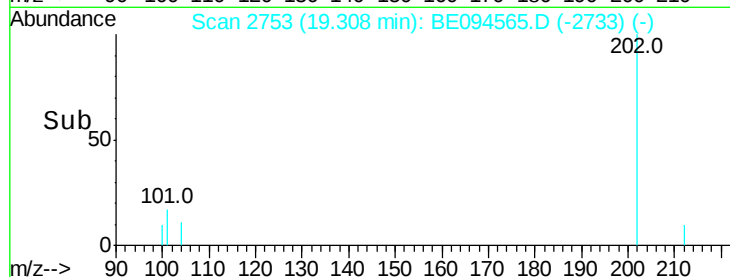
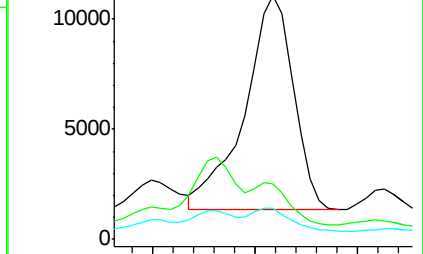
100 12.6 0.0 39.5



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: 1.793 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

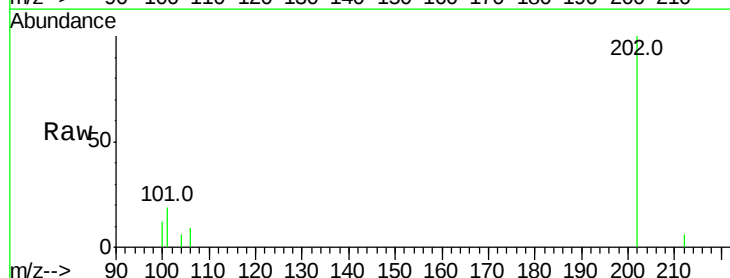
Tgt Ion:202 Resp: 46375

Ion Ratio Lower Upper

202 100

101 18.9 18.2 27.4

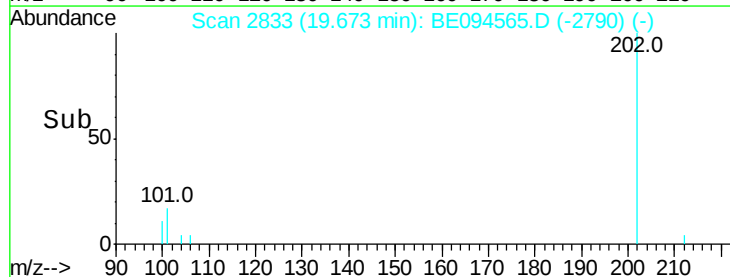
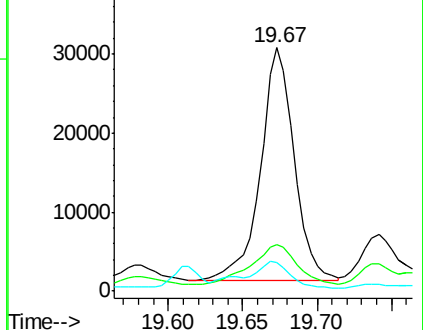
100 11.9 15.6 23.4#

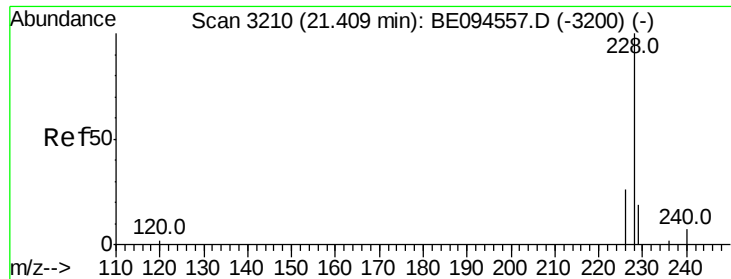


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.364 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

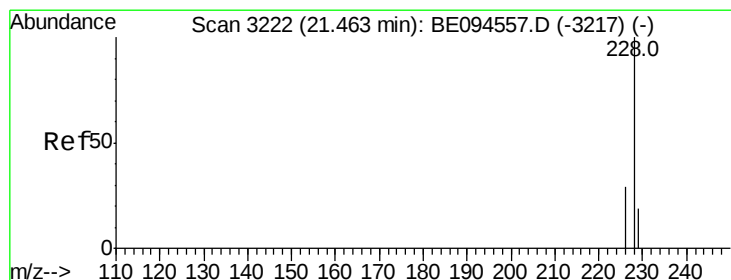
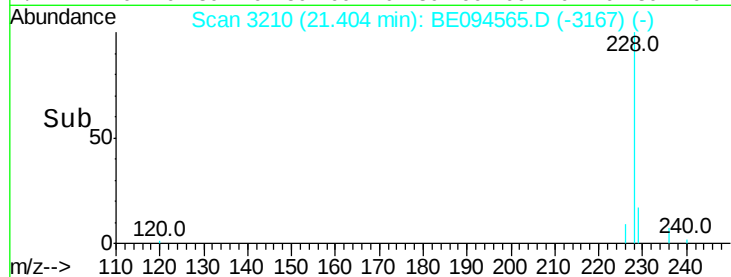
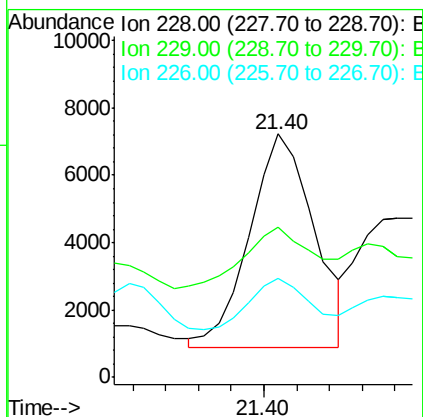
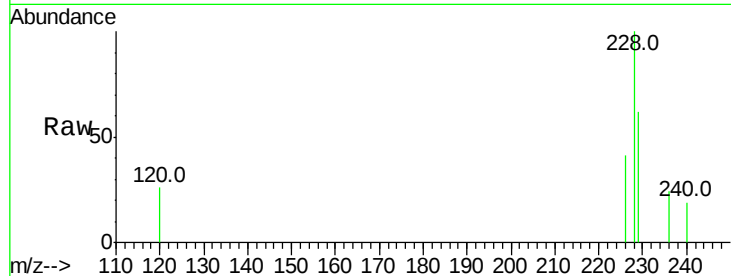
Tot Ion:228 Resp: 8694

Ion Ratio Lower Upper

228 100

229 61.9 22.8 34.2#

226 40.5 17.0 25.6#



#19

Chrysene

Concen: 0.587 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

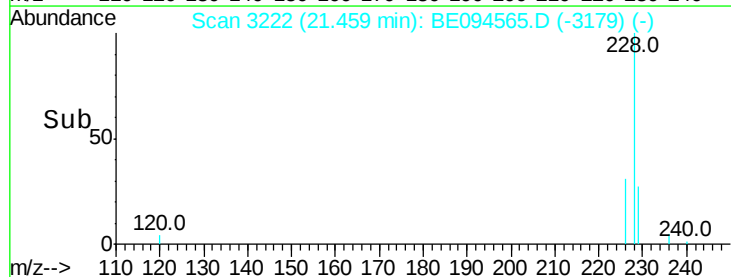
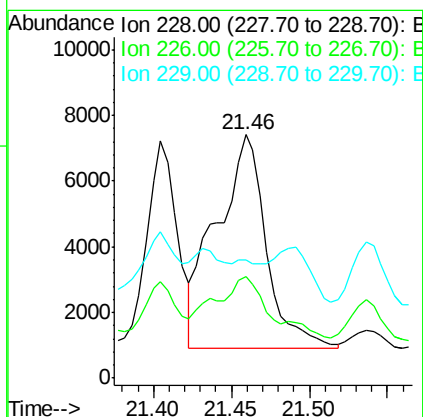
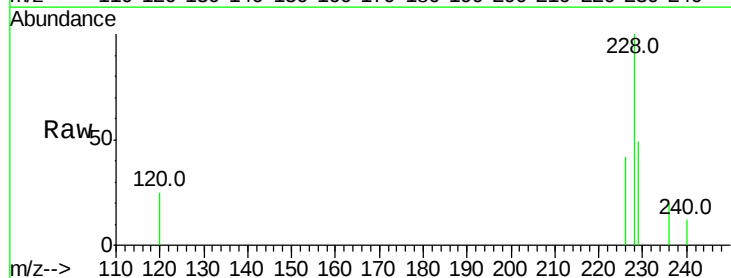
Tgt Ion:228 Resp: 14523

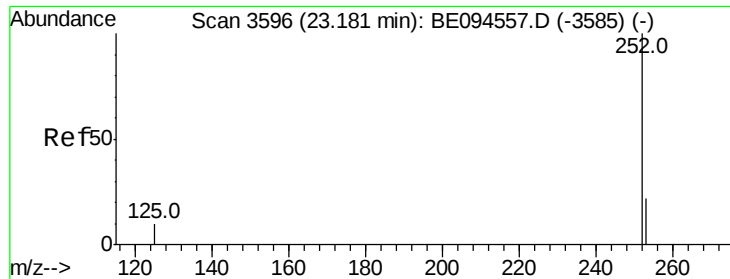
Ion Ratio Lower Upper

228 100

226 41.9 23.4 35.0#

229 48.7 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.289 ng/u1

RT: 23.17 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

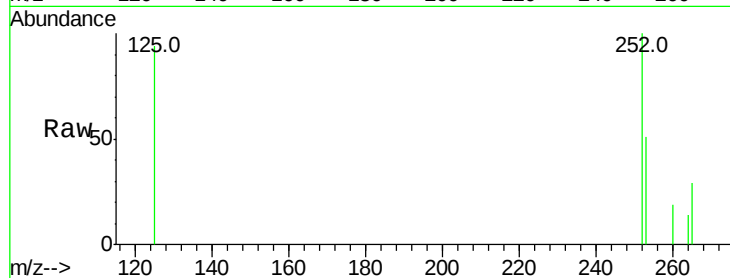
Tot Ion:252 Resp: 7539

Ion Ratio Lower Upper

252 100

253 50.6 0.0 64.2

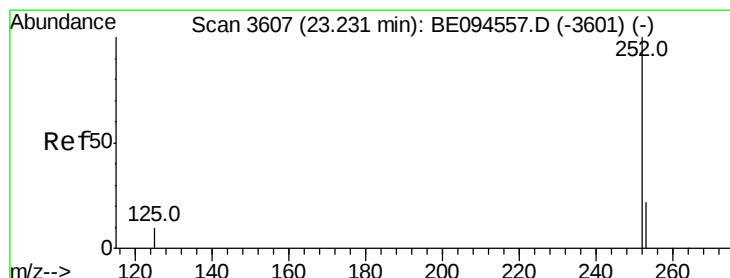
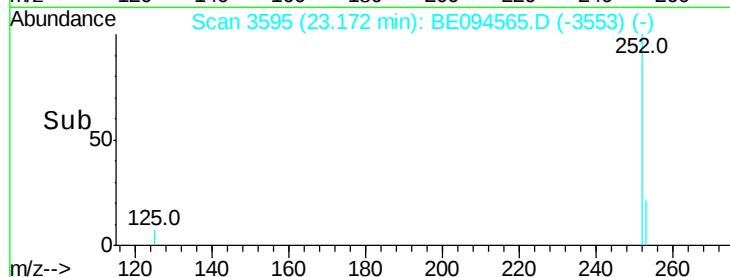
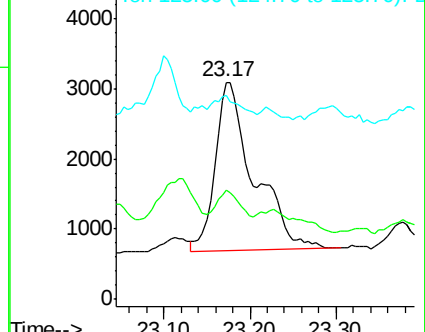
125 94.2 0.0 35.0#



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: 0.266 ng/u1

RT: 23.17 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

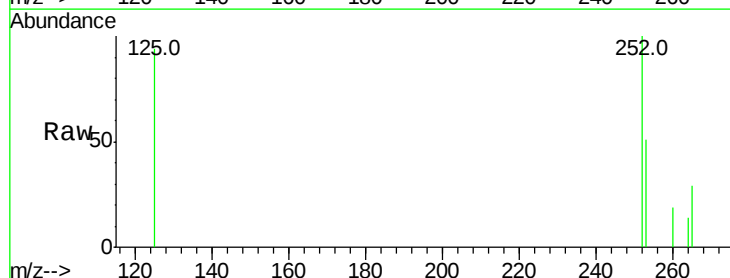
Tgt Ion:252 Resp: 7441

Ion Ratio Lower Upper

252 100

253 50.6 24.5 36.7#

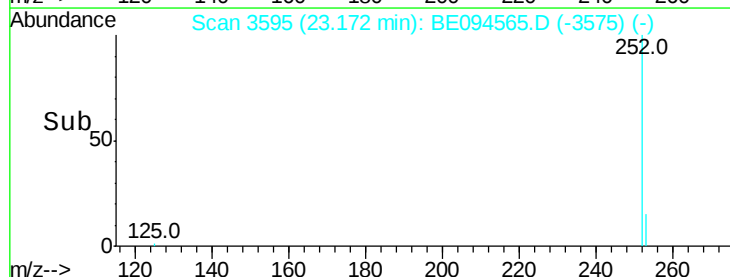
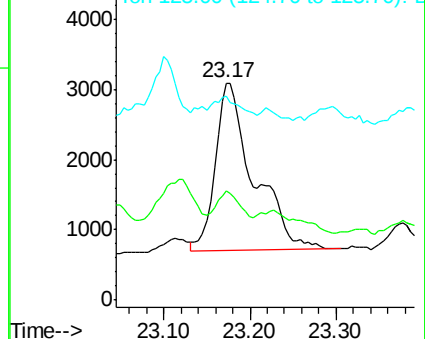
125 94.2 13.7 20.5#

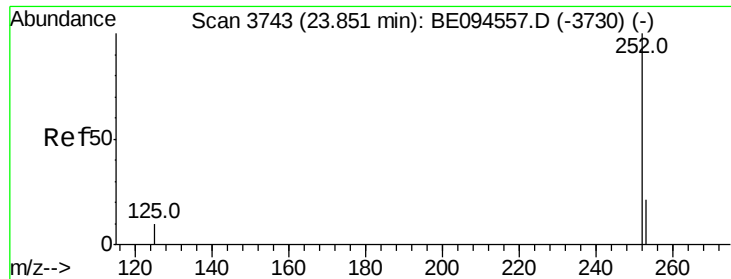


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.256 ng/ul

RT: 23.84 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

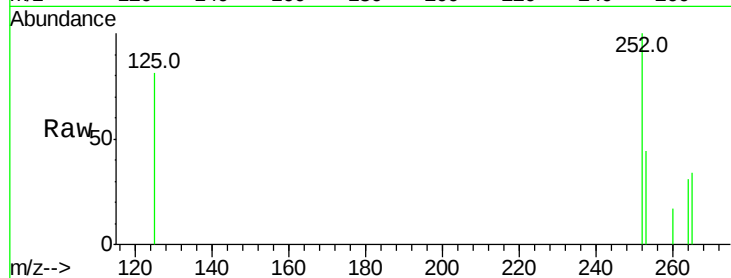
Tot Ion:252 Resp: 6678

Ion Ratio Lower Upper

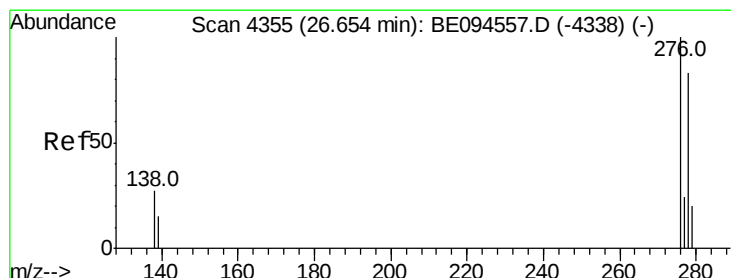
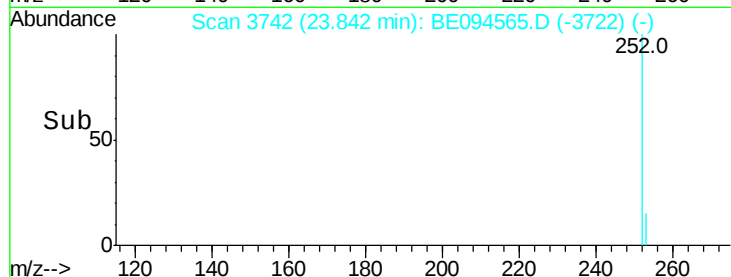
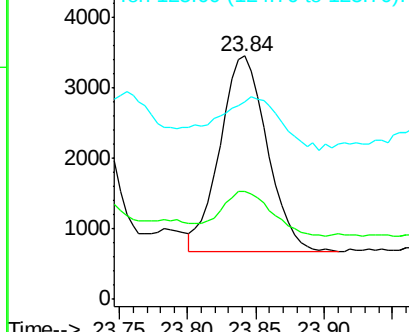
252 100

253 44.3 28.5 42.7#

125 81.4 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: 0.086 ng/ul

RT: 26.64 min Scan# 4352

Delta R.T. -0.02 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

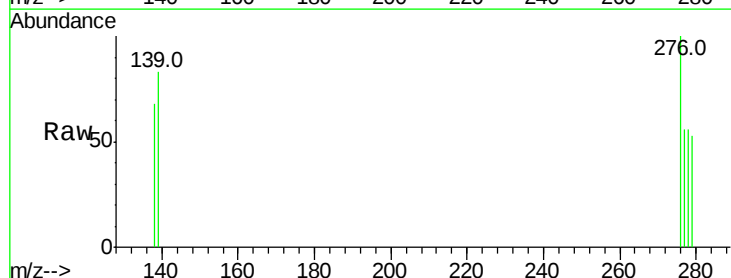
Tgt Ion:276 Resp: 2309

Ion Ratio Lower Upper

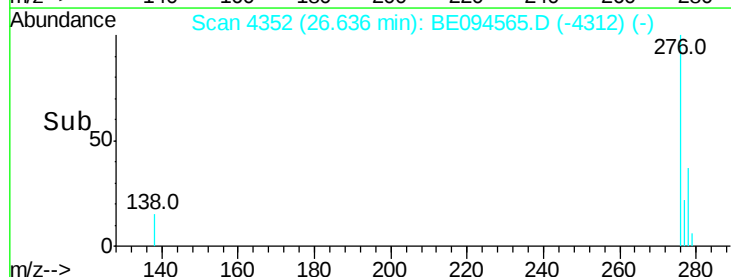
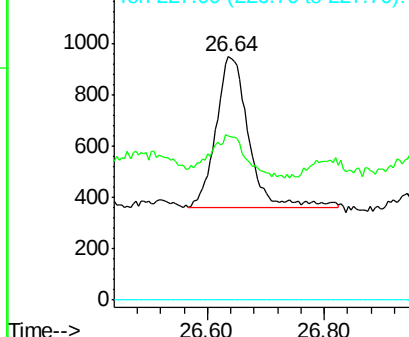
276 100

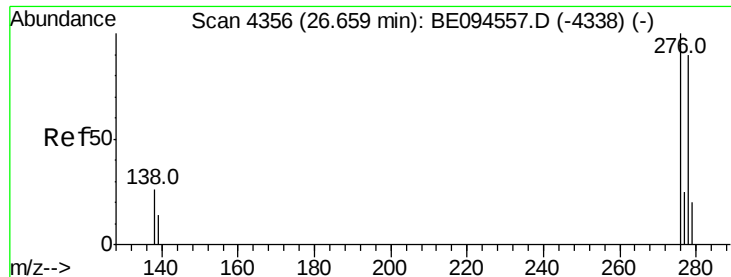
138 30.3 28.0 42.0

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: 0.056 ng/ul

RT: 26.62 min Scan# 4349

Delta R.T. -0.04 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Instrument :

BNA_E

ClientSampleId :

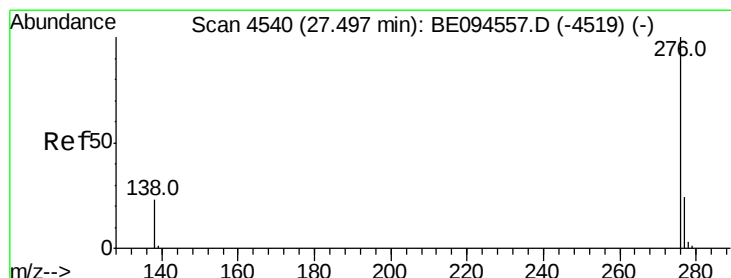
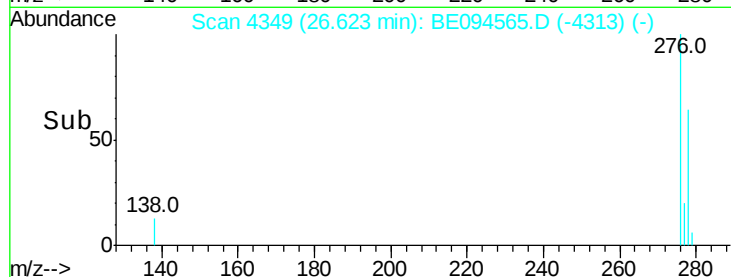
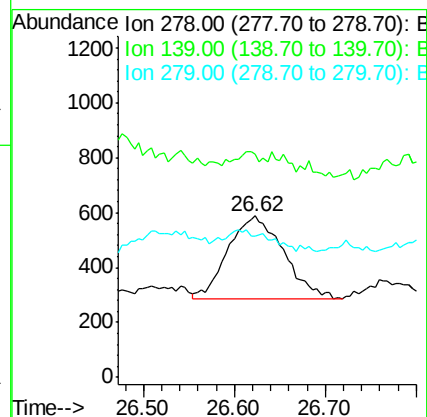
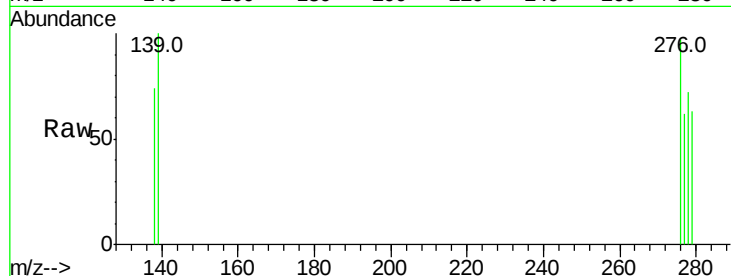
Tot Ion:278 Resp: 1266

Ion Ratio Lower Upper

278 100

139 138.7 17.4 26.0#

279 87.7 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.151 ng/ul

RT: 27.48 min Scan# 4537

Delta R.T. -0.02 min

Lab File: BE094565.D

Acq: 26 Oct 2017 16:49

Tgt Ion:276 Resp: 3277

Ion Ratio Lower Upper

276 100

138 58.2 21.8 32.8#

277 52.4 20.5 30.7#

