

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094555.D
 Acq On : 26 Oct 2017 4:41
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 26 12:01:32 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

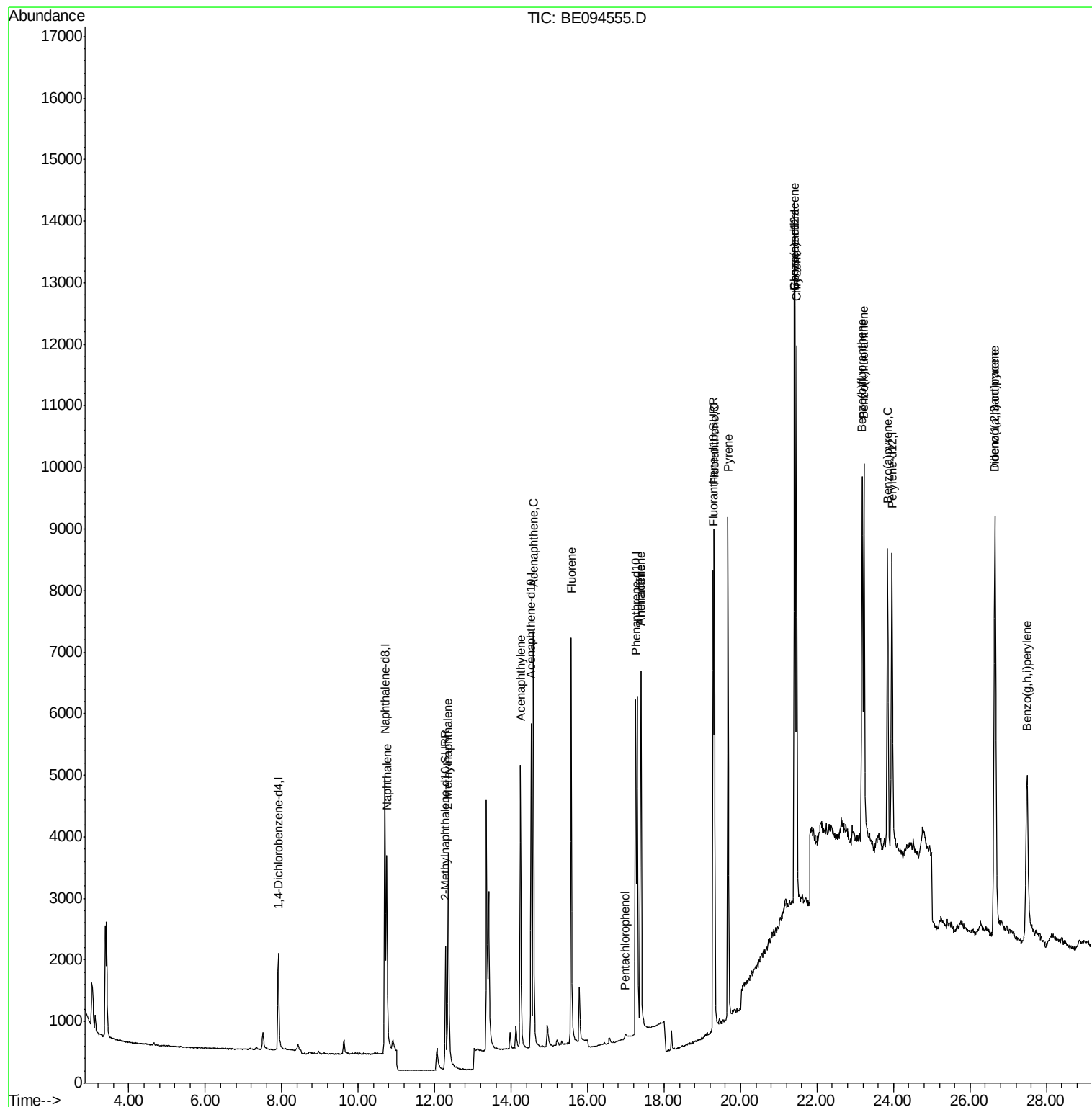
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1073	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6241	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3489	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	7935	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	7929	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	7865	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3921	0.39	ng/ul	-0.01
14) Fluoranthene-d10	19.29	212	9687	0.41	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	5881	0.385	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	4109	0.385	ng/ul	99
7) Acenaphthylene	14.24	152	6299	0.399	ng/ul	97
8) Acenaphthene	14.58	153	4503	0.397	ng/ul	96
9) Fluorene	15.57	166	5175	0.406	ng/ul	94
11) Pentachlorophenol	16.98	266	103	0.260	ng/ul#	89
12) Phenanthrene	17.40	178	7691	0.367	ng/ul	94
13) Anthracene	17.40	178	8335	0.403	ng/ul	95
15) Fluoranthene	19.31	202	9945	0.410	ng/ul	84
17) Pyrene	19.68	202	10443	0.426	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	9514	0.420	ng/ul#	88
19) Chrysene	21.46	228	9085	0.388	ng/ul#	88
21) Benzo(b)fluoranthene	23.18	252	9060	0.410	ng/ul	84
22) Benzo(k)fluoranthene	23.23	252	9093	0.384	ng/ul#	79
23) Benzo(a)pyrene	23.85	252	9080	0.411	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.66	276	9667	0.422	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.66	278	8131	0.422	ng/ul#	83
26) Benzo(g,h,i)perylene	27.49	276	7540	0.410	ng/ul#	78

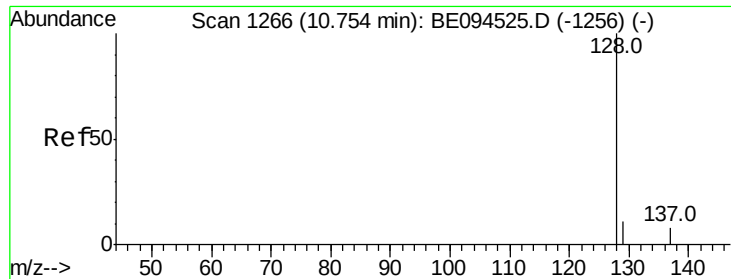
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.385 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

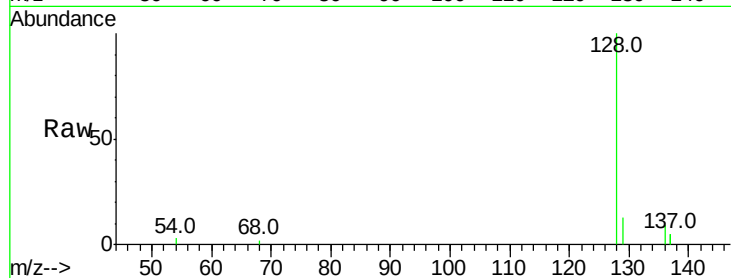
Tot Ion:128 Resp: 5881

Ion Ratio Lower Upper

128 100

129 12.7 11.3 16.9

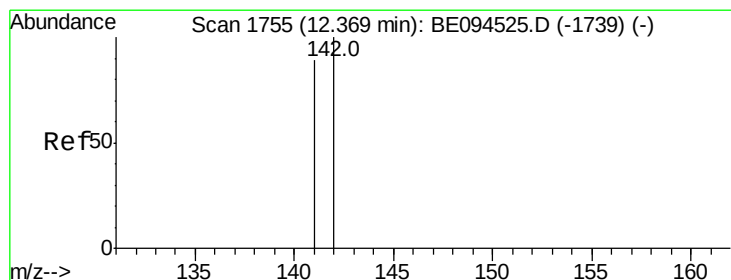
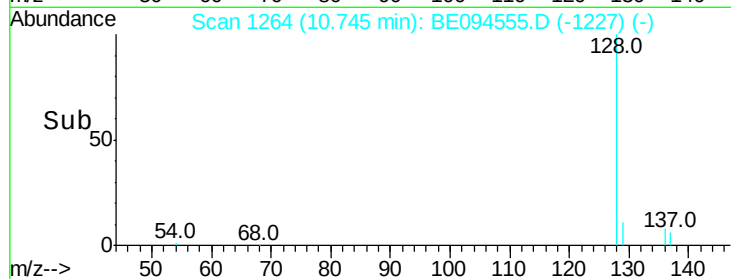
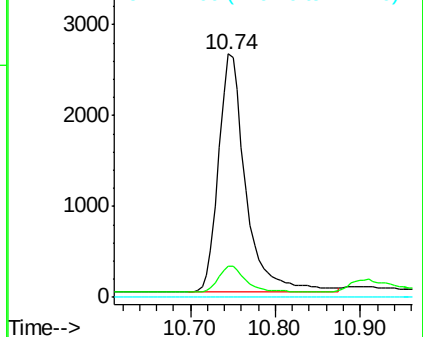
127 0.0 4.0 6.0#



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: 0.385 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BE094555.D

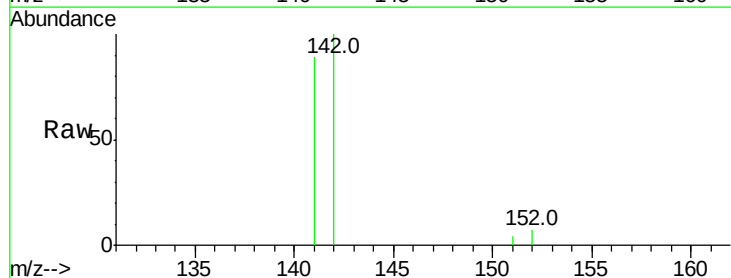
Acq: 26 Oct 2017 4:41

Tgt Ion:142 Resp: 4109

Ion Ratio Lower Upper

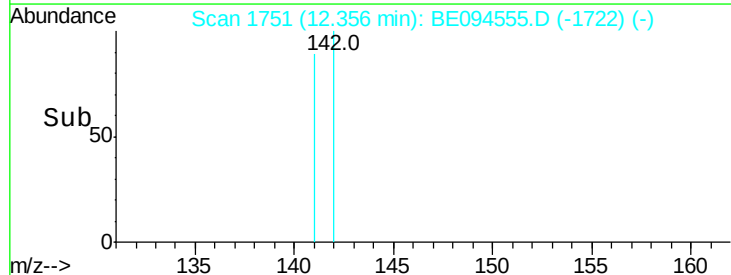
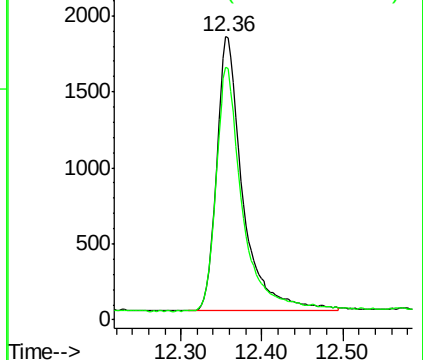
142 100

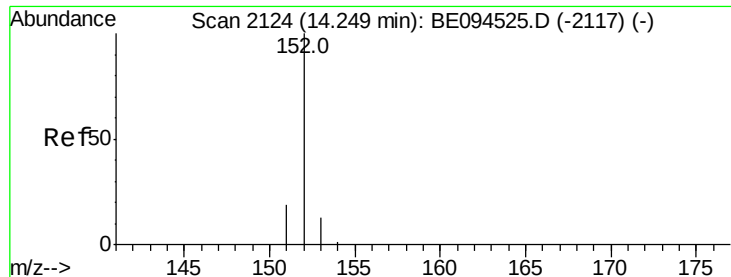
141 89.9 72.6 108.8



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. -0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

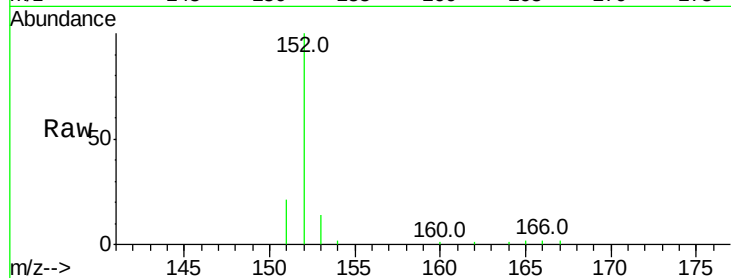
Tot Ion:152 Resp: 6299

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

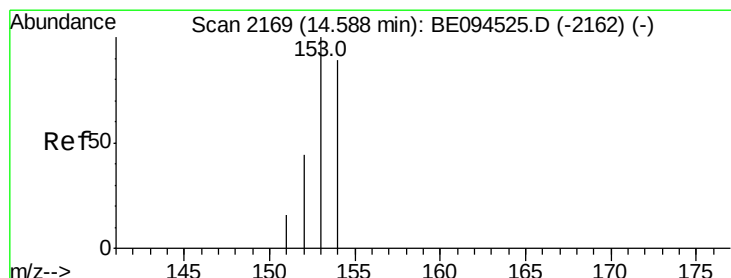
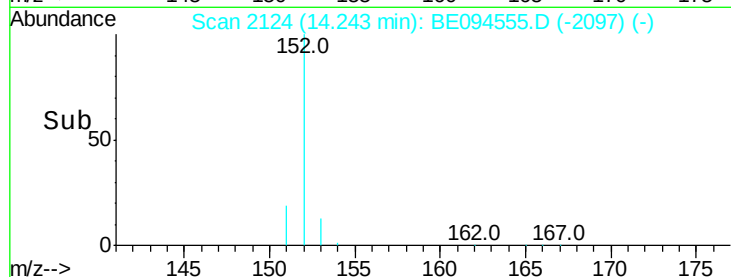
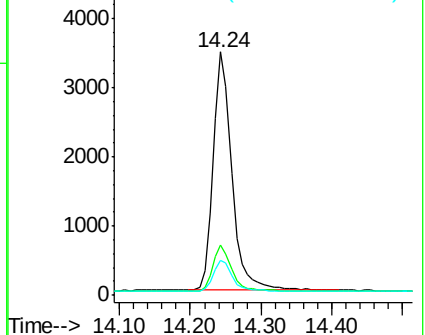
153 14.4 12.8 19.2



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: 0.397 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

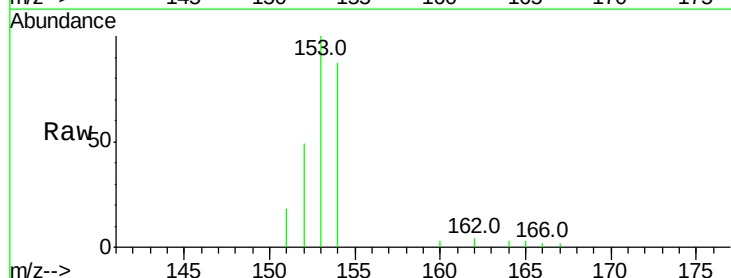
Tgt Ion:153 Resp: 4503

Ion Ratio Lower Upper

153 100

152 48.7 36.0 54.0

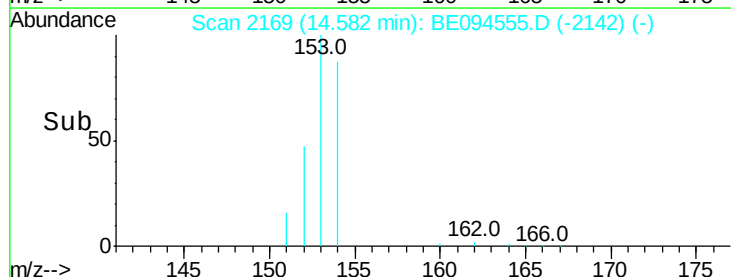
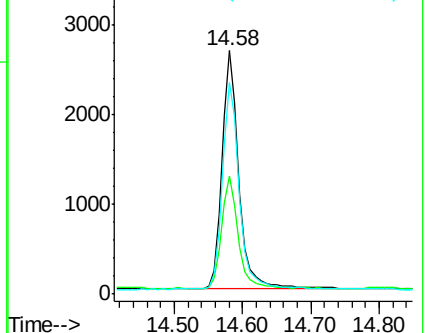
154 87.1 72.0 108.0

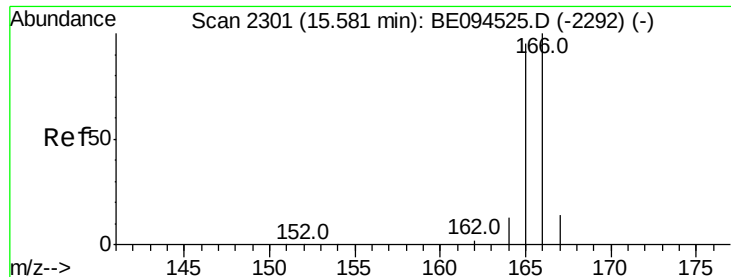


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.406 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

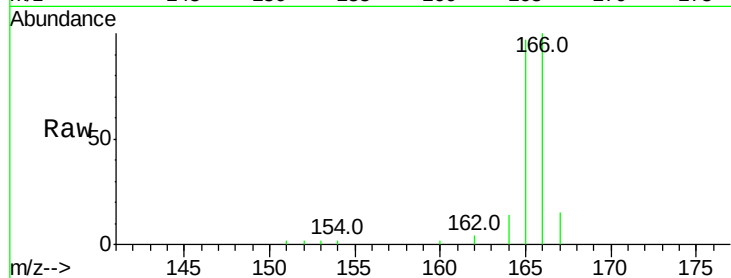
Tot Ion:166 Resp: 5175

Ion Ratio Lower Upper

166 100

165 97.2 73.4 110.2

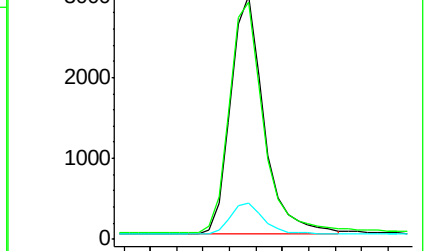
167 15.1 14.6 22.0



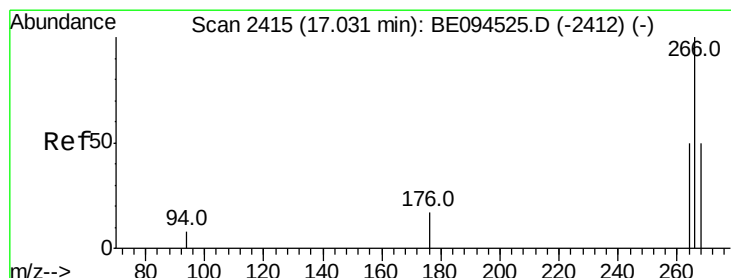
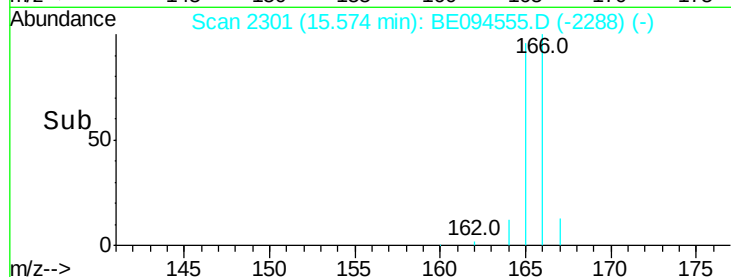
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.260 ng/ul

RT: 16.98 min Scan# 2413

Delta R.T. -0.05 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

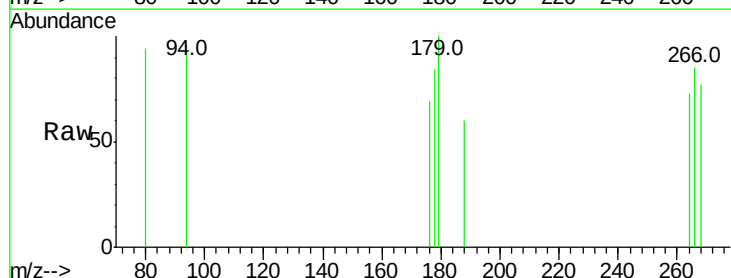
Tgt Ion:266 Resp: 103

Ion Ratio Lower Upper

266 100

264 47.6 47.9 71.9#

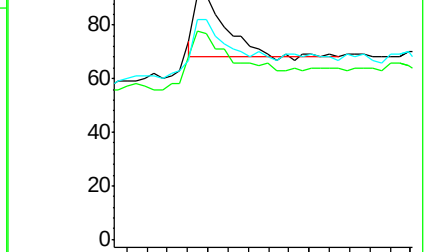
268 57.3 49.8 74.8



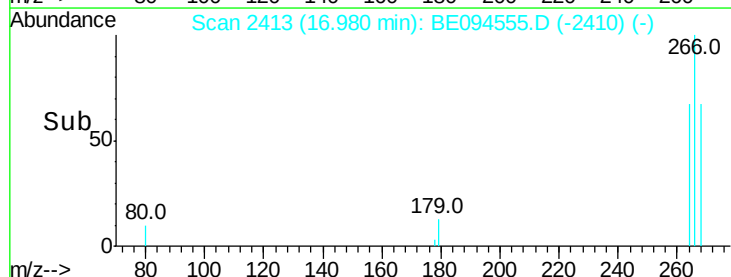
Abundance Ion 266.00 (265.70 to 266.70): E

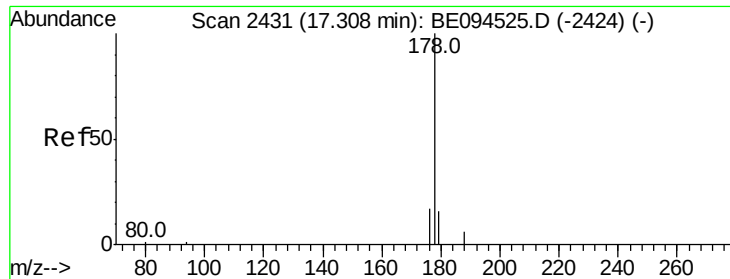
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.367 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.09 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

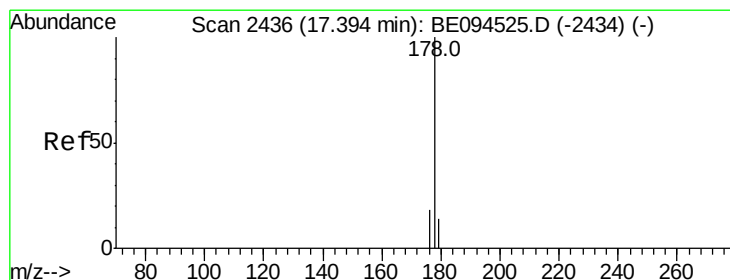
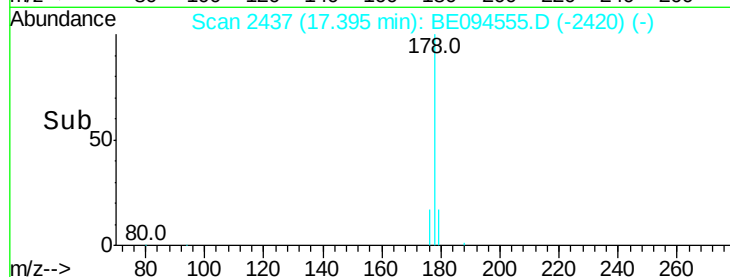
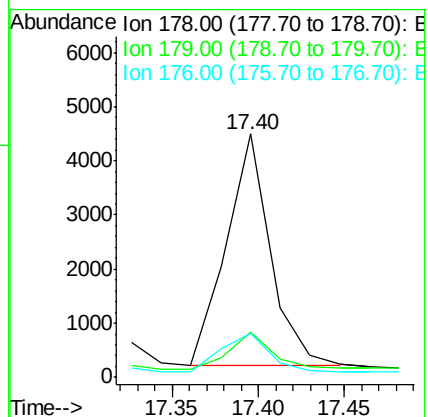
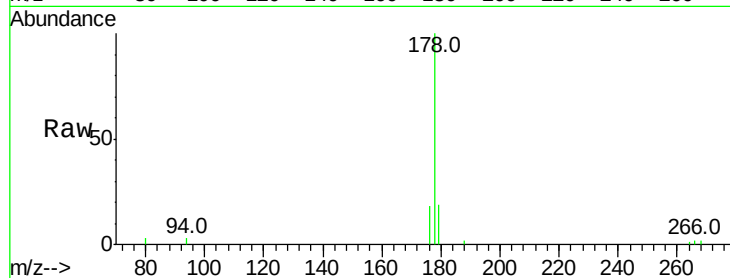
Tot Ion:178 Resp: 7691

Ion Ratio Lower Upper

178 100

179 18.7 18.4 27.6

176 18.2 13.6 20.4



#13

Anthracene

Concen: 0.403 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

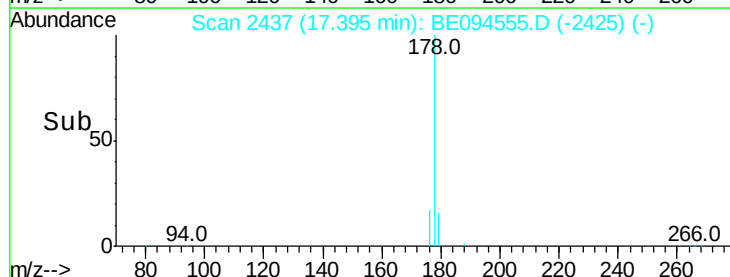
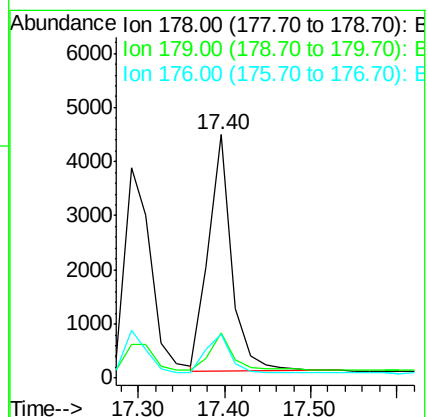
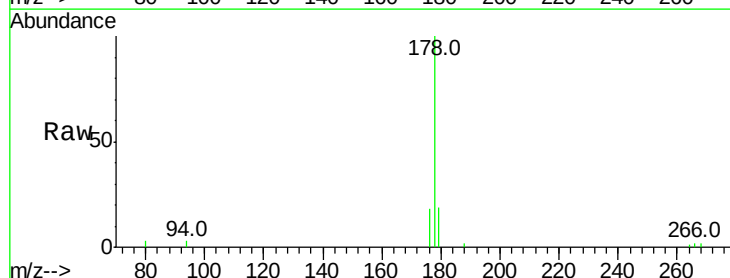
Tgt Ion:178 Resp: 8335

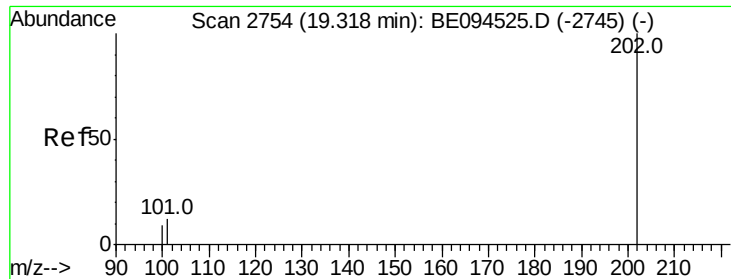
Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

176 18.2 14.7 22.1





#15

Fluoranthene

Concen: 0.410 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

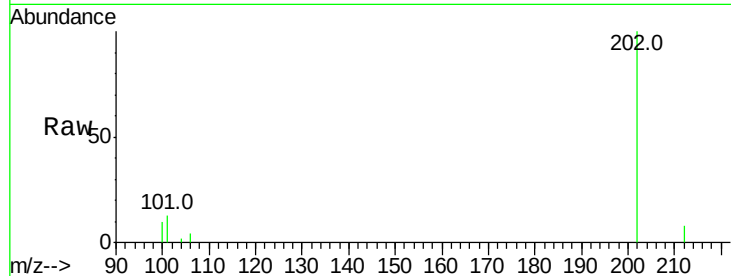
Tot Ion:202 Resp: 9945

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.3

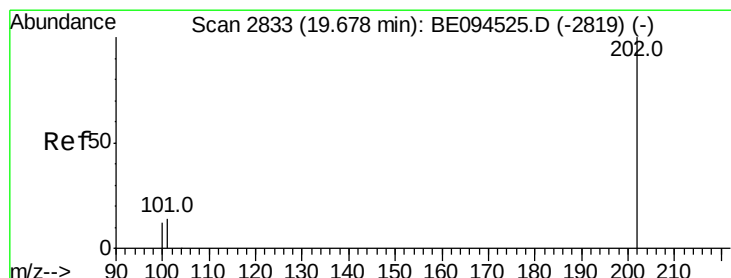
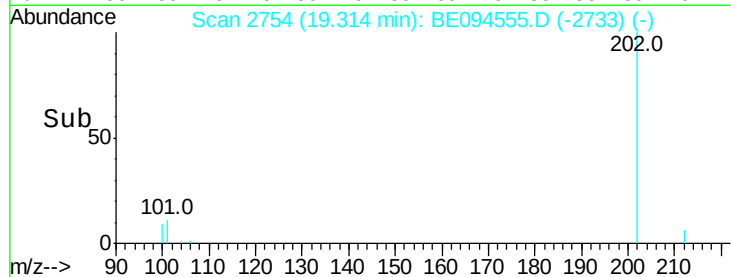
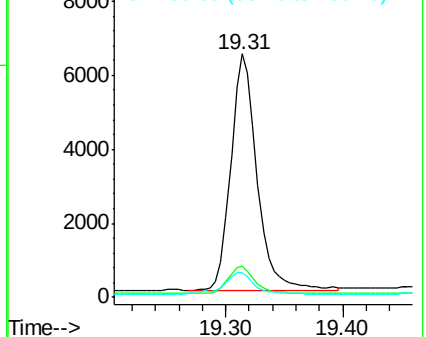
100 10.0 0.0 39.5



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: 0.426 ng/ul

RT: 19.68 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

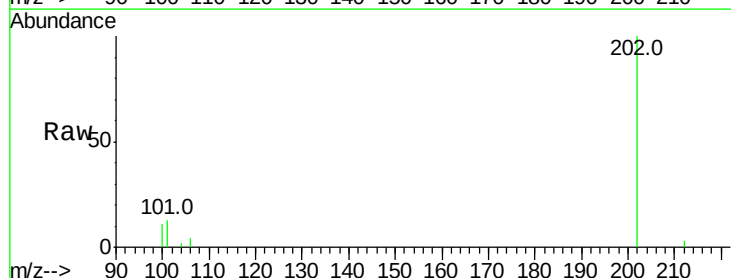
Tgt Ion:202 Resp: 10443

Ion Ratio Lower Upper

202 100

101 13.3 18.2 27.4#

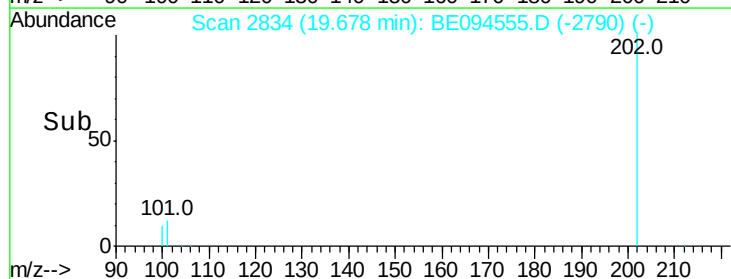
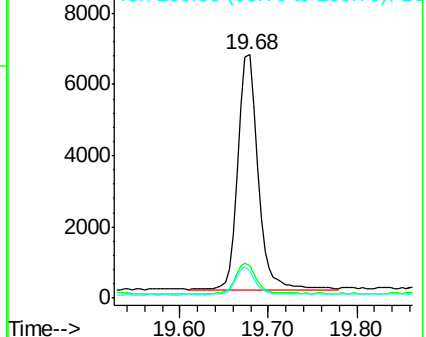
100 11.4 15.6 23.4#

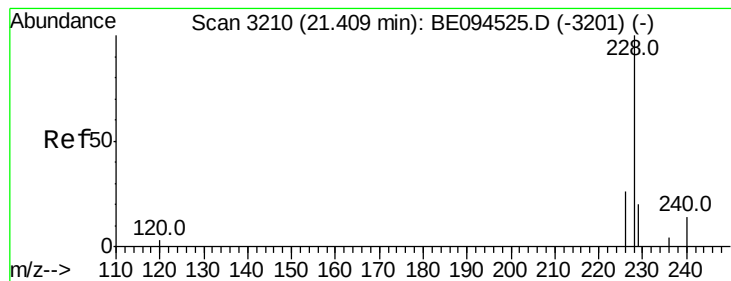


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.420 ng/ul

RT: 21.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

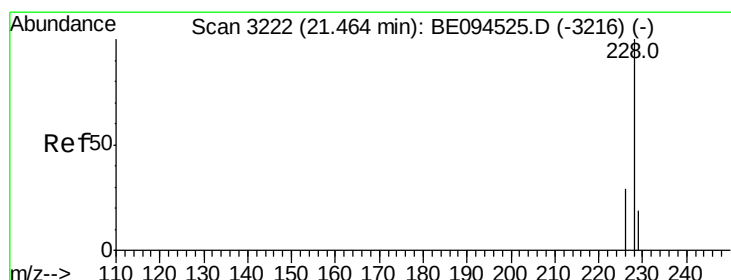
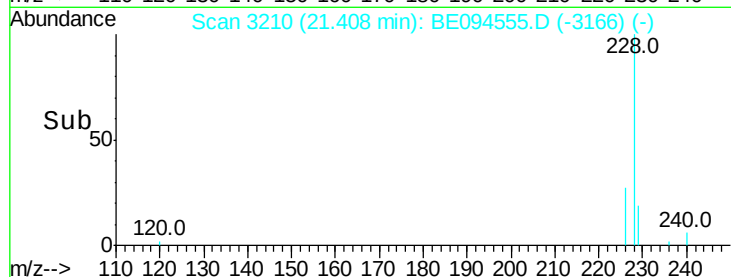
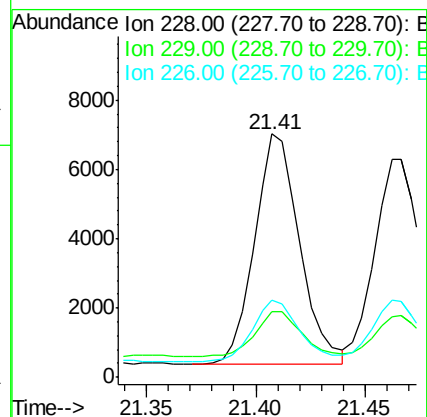
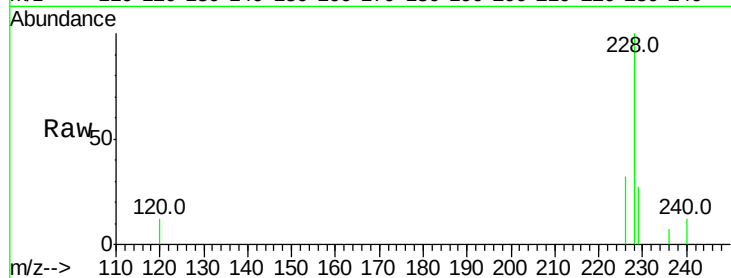
Tot Ion:228 Resp: 9514

Ion Ratio Lower Upper

228 100

229 26.7 22.8 34.2

226 32.0 17.0 25.6#



#19

Chrysene

Concen: 0.388 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

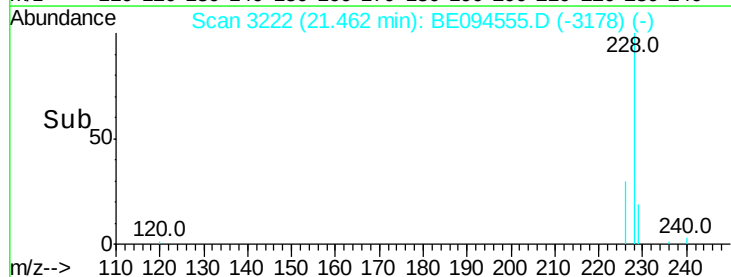
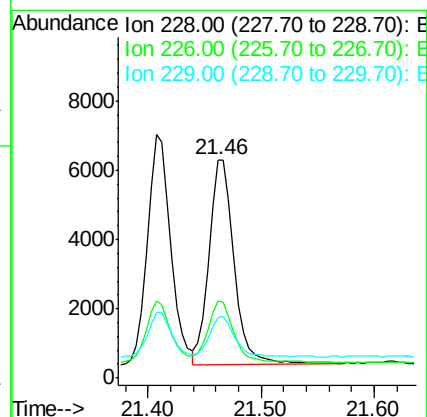
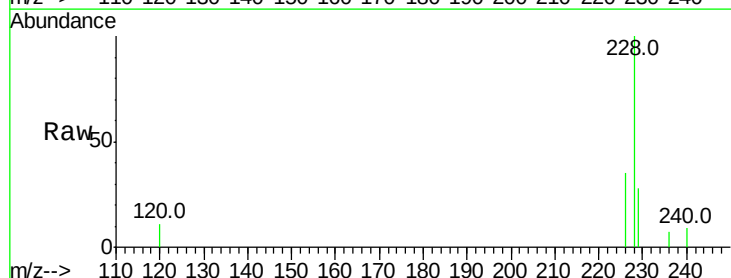
Tgt Ion:228 Resp: 9085

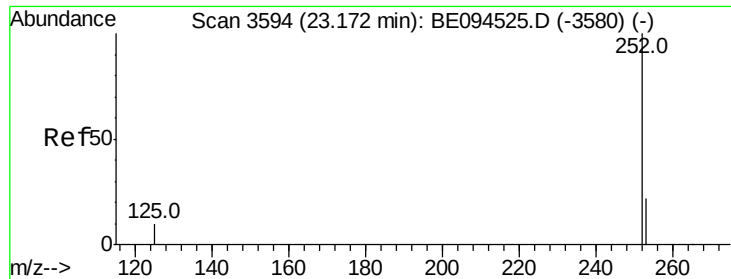
Ion Ratio Lower Upper

228 100

226 35.2 23.4 35.0#

229 27.8 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.410 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. 0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

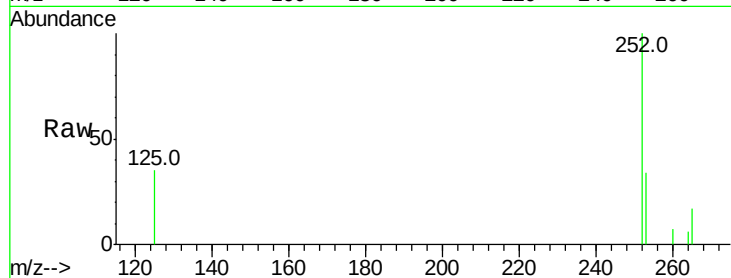
Tot Ion:252 Resp: 9060

Ion Ratio Lower Upper

252 100

253 33.5 0.0 64.2

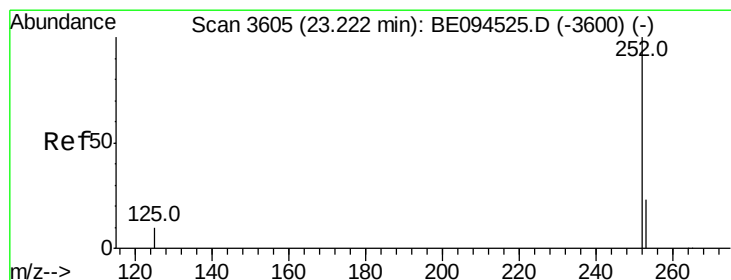
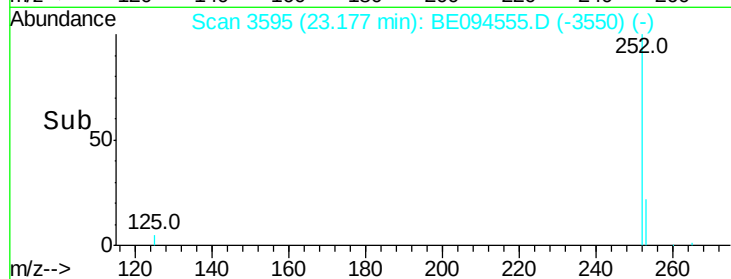
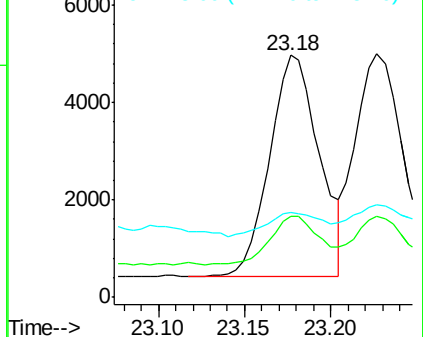
125 34.8 0.0 35.0



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: 0.384 ng/ul

RT: 23.23 min Scan# 3606

Delta R.T. 0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

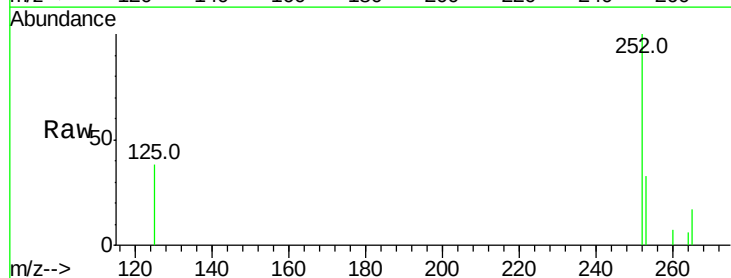
Tgt Ion:252 Resp: 9093

Ion Ratio Lower Upper

252 100

253 33.5 24.5 36.7

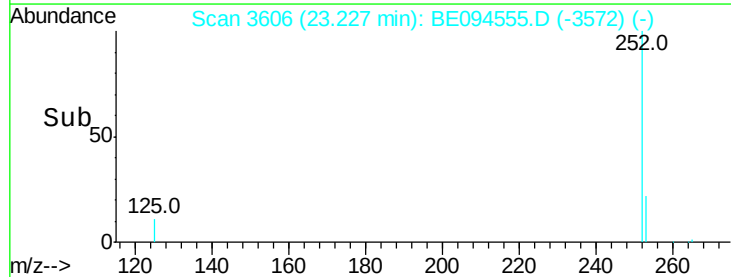
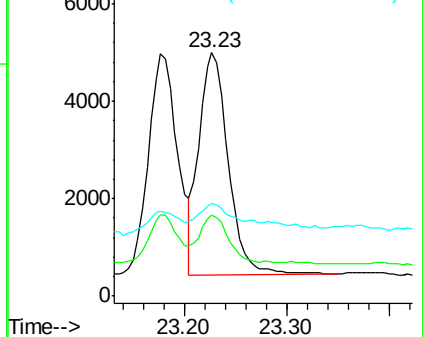
125 38.1 13.7 20.5#

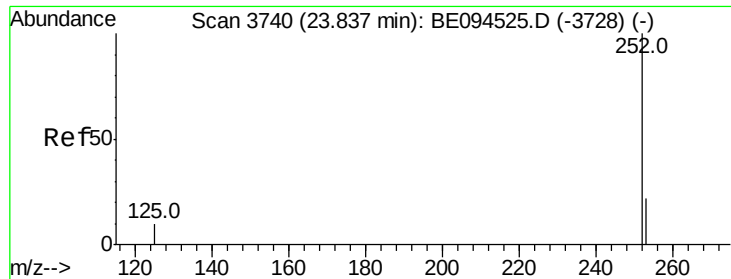


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

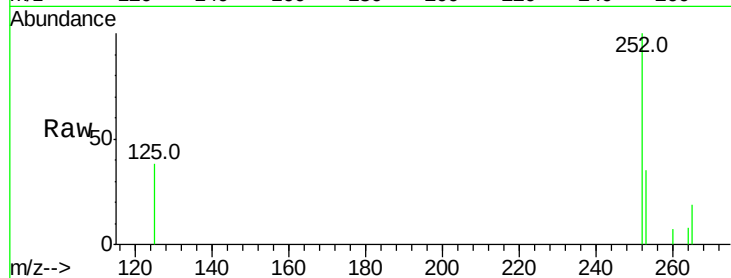
Tot Ion:252 Resp: 9080

Ion Ratio Lower Upper

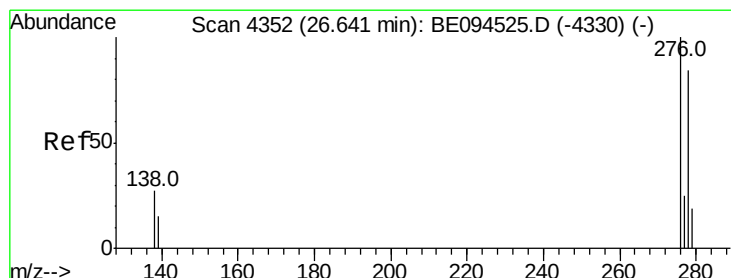
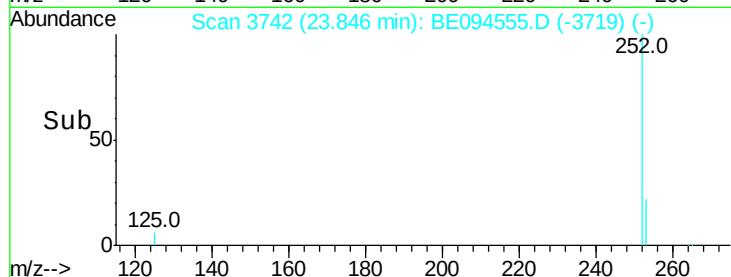
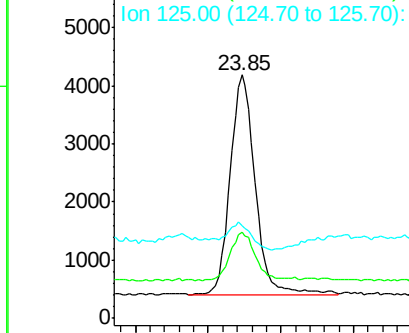
252 100

253 35.3 28.5 42.7

125 38.2 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: 0.422 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

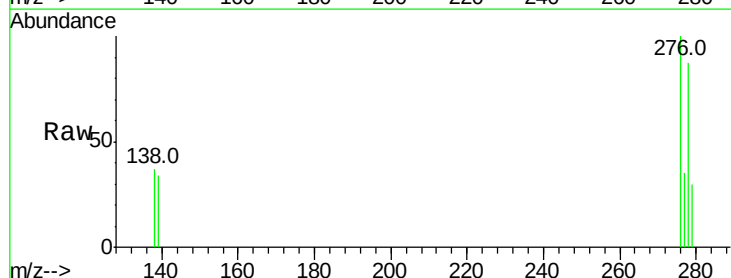
Tgt Ion:276 Resp: 9667

Ion Ratio Lower Upper

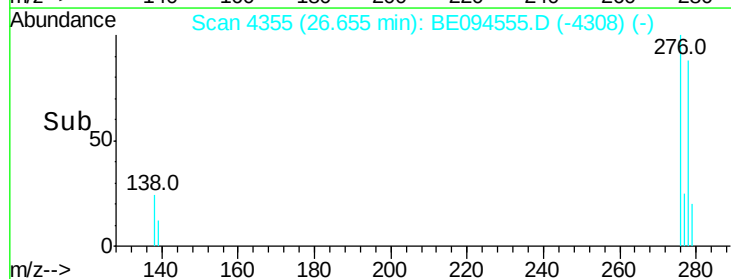
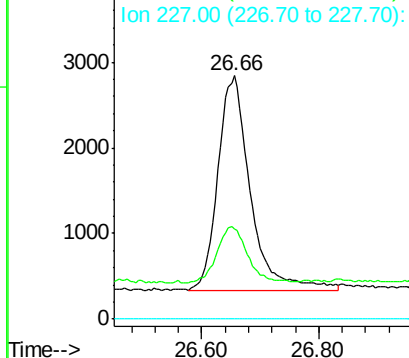
276 100

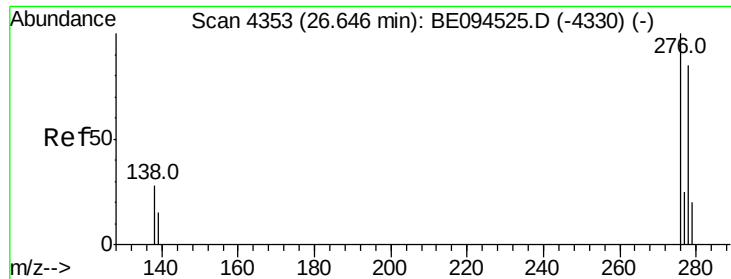
138 24.9 28.0 42.0#

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: 0.422 ng/ul

RT: 26.66 min Scan# 4355

Delta R.T. 0.01 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Instrument :

BNA_E

ClientSampleId :

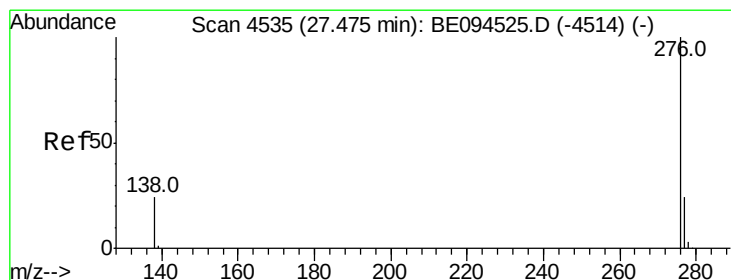
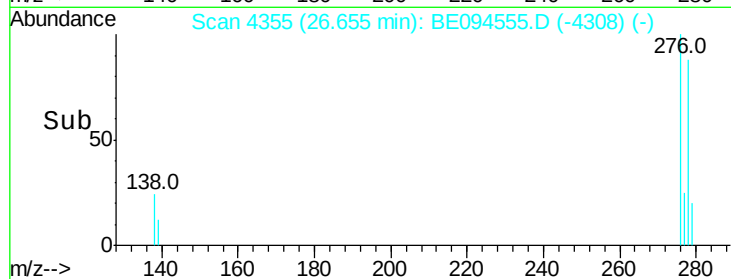
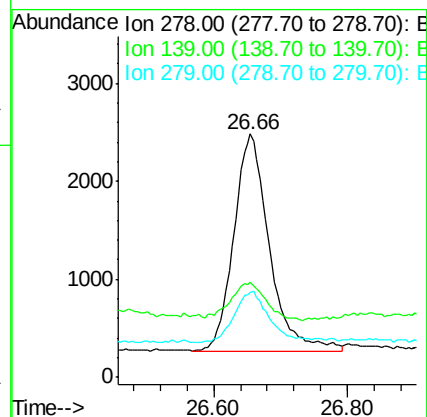
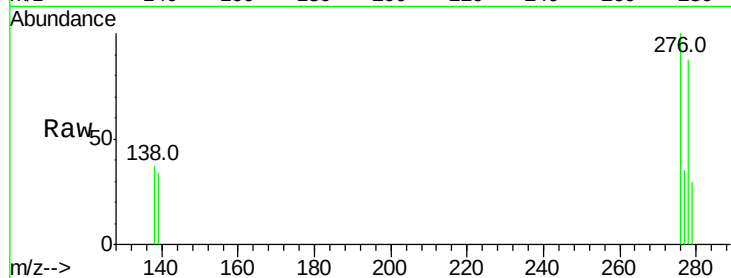
Tot Ion:278 Resp: 8131

Ion Ratio Lower Upper

278 100

139 38.8 17.4 26.0#

279 34.7 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 0.410 ng/ul

RT: 27.49 min Scan# 4539

Delta R.T. 0.01 min

Lab File: BE094555.D

Acq: 26 Oct 2017 4:41

Tgt Ion:276 Resp: 7540

Ion Ratio Lower Upper

276 100

138 37.9 21.8 32.8#

277 37.7 20.5 30.7#

