

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094754.D
 Acq On : 6 Nov 2017 15:43
 Operator : SJ/JU
 Sample : I6120-05 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-3(1-2)-102517

Quant Time: Nov 07 00:13:48 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 00:12:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1399	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7943	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	5364	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8980	0.40	ng/ul	-0.02
16) Chrysene-d12	21.44	240	8489	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9177	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	714	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.29	212	908	0.03	ng/ul	0.00

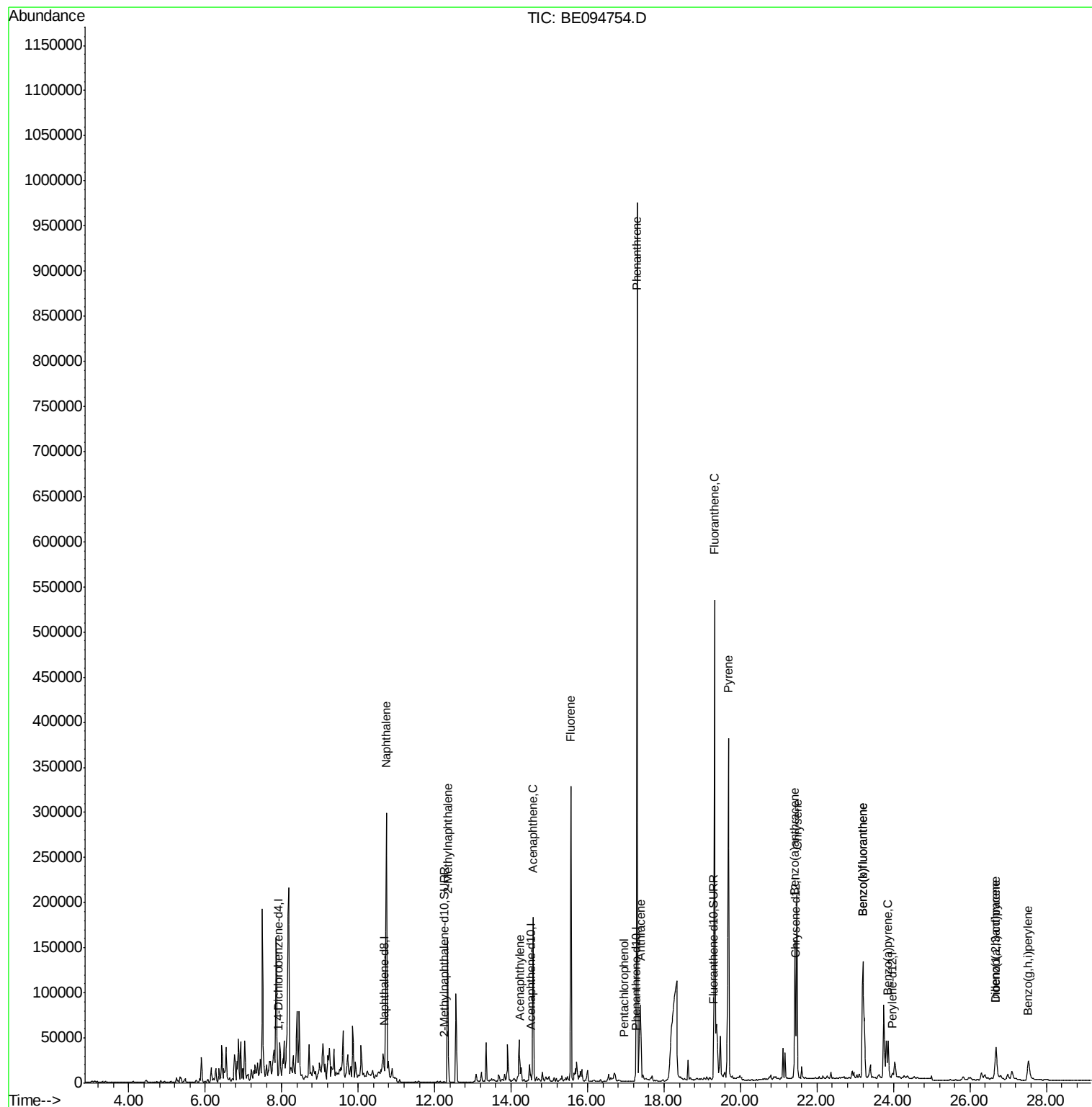
Target Compounds						Ovalue
3) Naphthalene	10.74	128	479086	24.67	ng/ul#	95
5) 2-Methylnaphthalene	12.34	142	138820	10.22	ng/ul	98
7) Acenaphthylene	14.24	152	16289	0.67	ng/ul#	89
8) Acenaphthene	14.57	153	107829	6.18	ng/ul	97
9) Fluorene	15.56	166	217841	11.13	ng/ul#	91
11) Pentachlorophenol	16.96	266	34	0.08	ng/ul	87
12) Phenanthrene	17.29	178	1099094	46.34	ng/ul#	87
13) Anthracene	17.38	178	113431	4.85	ng/ul#	91
15) Fluoranthene	19.32	202	624752	22.78	ng/ul	83
17) Pyrene	19.68	202	462466	17.62	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	148441	6.12	ng/ul#	88
19) Chrysene	21.48	228	233040	9.29	ng/ul	99
21) Benzo(b)fluoranthene	23.19	252	331490	12.84	ng/ul	85
22) Benzo(k)fluoranthene	23.19	252	331490	11.98	ng/ul#	87
23) Benzo(a)pyrene	23.86	252	66942	2.59	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.69	276	78764	2.95	ng/ul#	75
25) Dibenzo(a,h)anthracene	26.68	278	22707	1.01	ng/ul	96
26) Benzo(g,h,i)perylene	27.53	276	68290	3.19	ng/ul	96

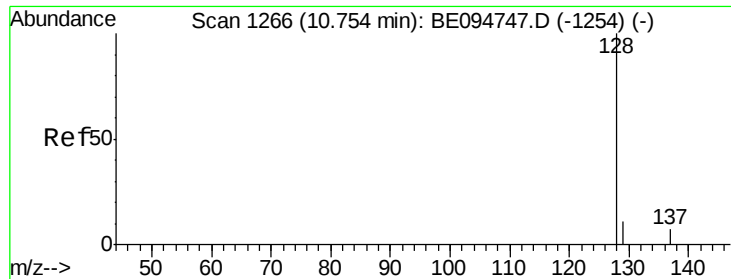
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 24.67 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

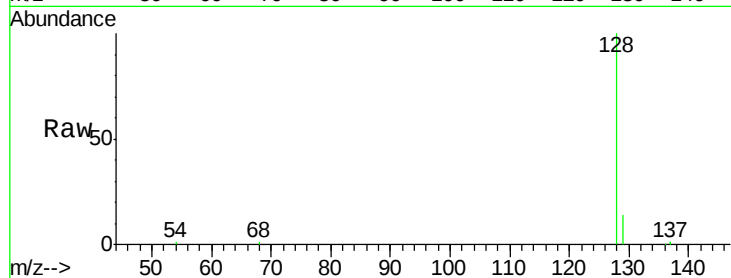
Tot Ion:128 Resp: 479086

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

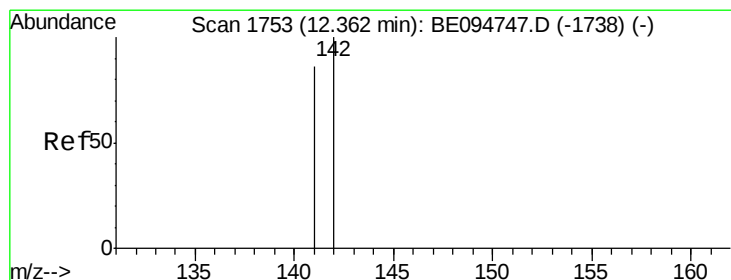
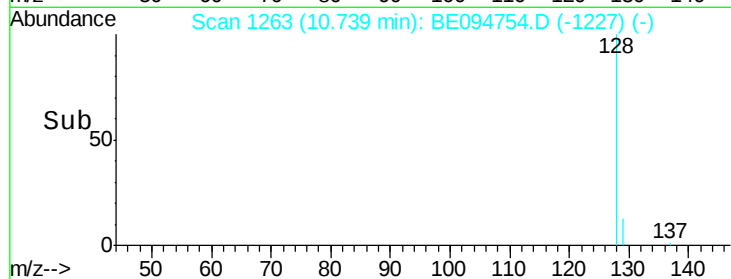
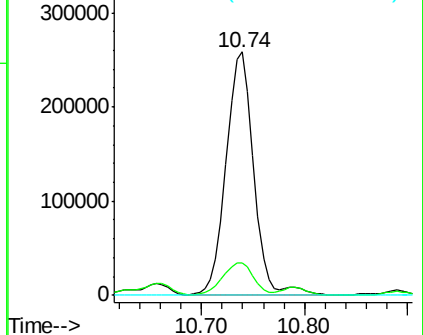
127 0.0 4.0 6.0#



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: 10.22 ng/ul

RT: 12.34 min Scan# 1747

Delta R.T. -0.02 min

Lab File: BE094754.D

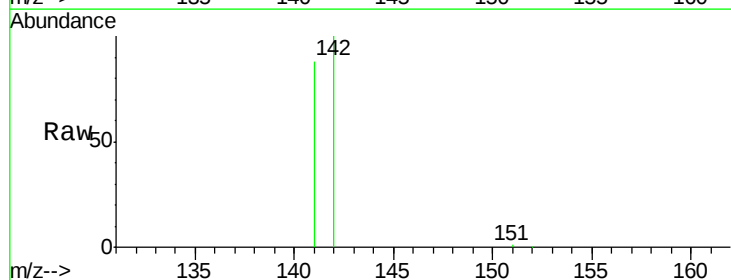
Acq: 6 Nov 2017 15:43

Tgt Ion:142 Resp: 138820

Ion Ratio Lower Upper

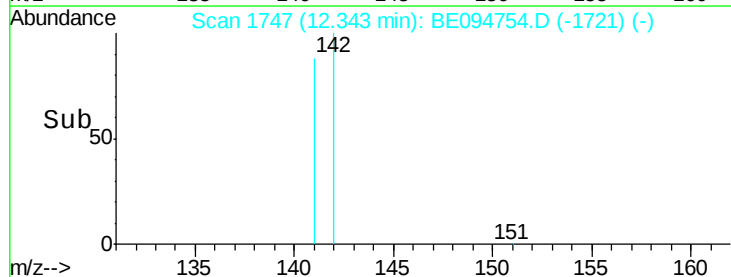
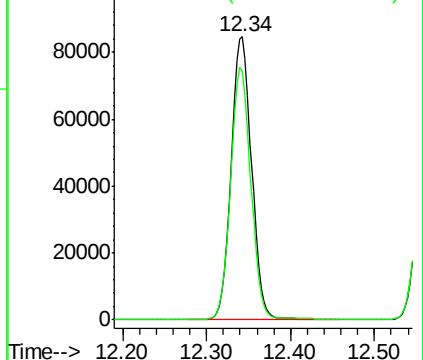
142 100

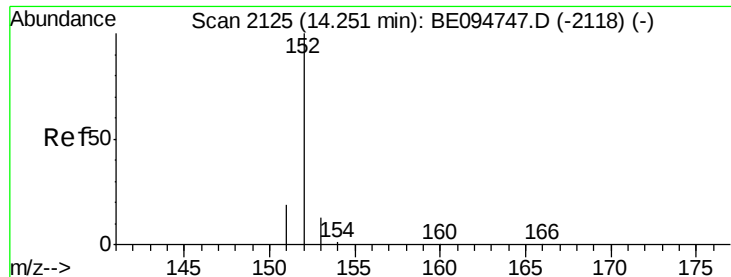
141 88.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.67 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

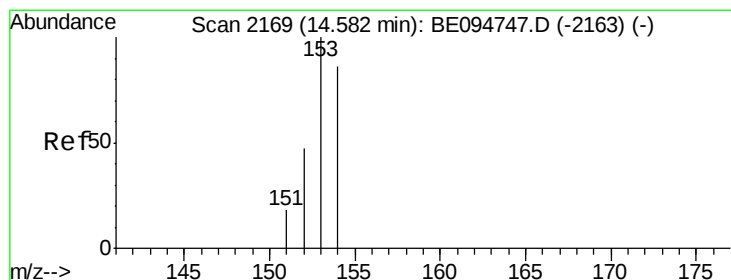
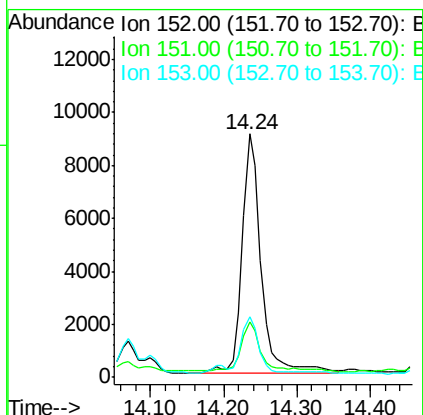
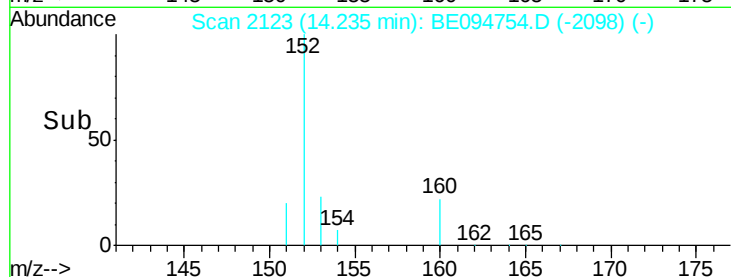
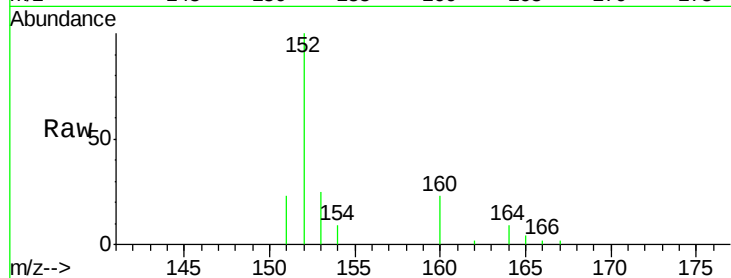
Tot Ion:152 Resp: 16289

Ion Ratio Lower Upper

152 100

151 22.8 17.1 25.7

153 25.1 12.8 19.2#



#8

Acenaphthene

Concen: 6.18 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

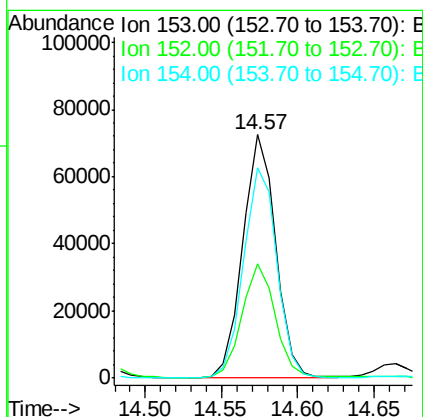
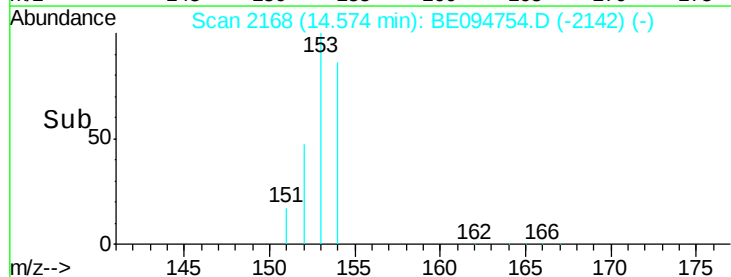
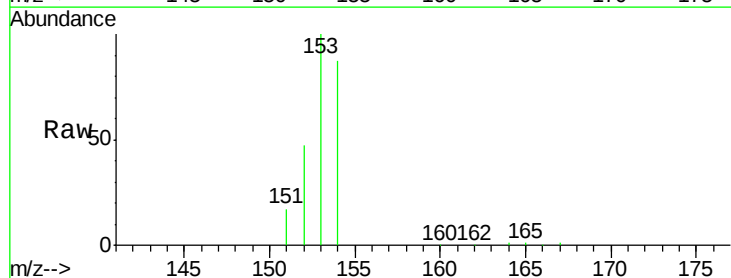
Tgt Ion:153 Resp: 107829

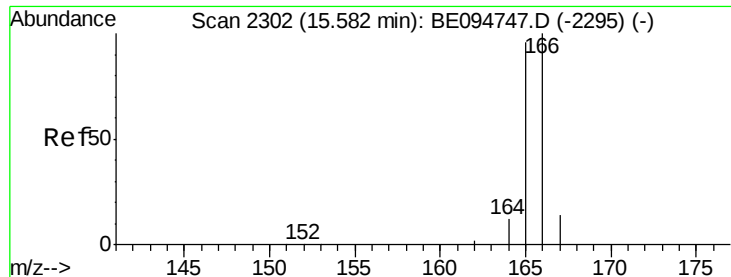
Ion Ratio Lower Upper

153 100

152 47.1 36.0 54.0

154 86.6 72.0 108.0





#9

Fluorene

Concen: 11.13 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

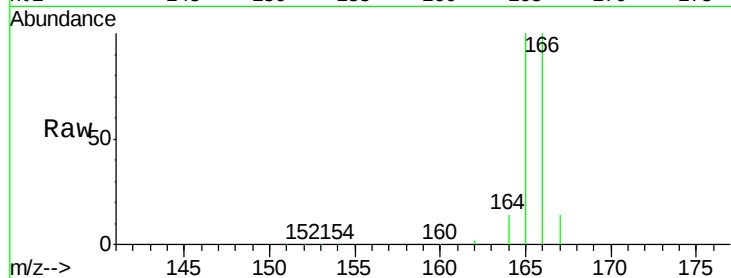
Tot Ion:166 Resp: 217841

Ion Ratio Lower Upper

166 100

165 100.3 73.4 110.2

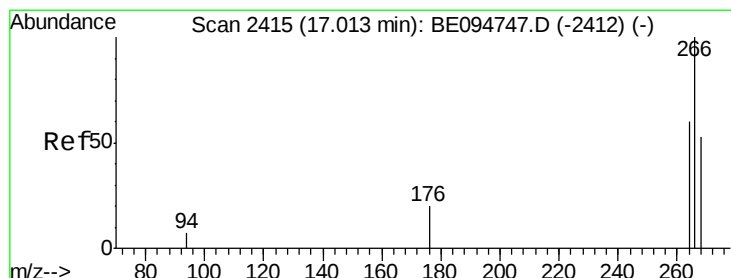
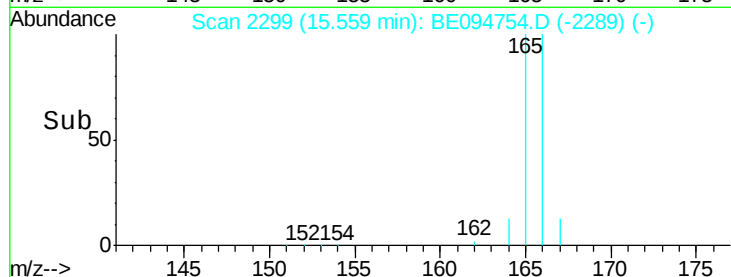
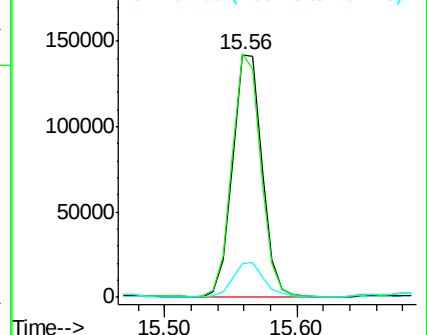
167 13.8 14.6 22.0#



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



#11

Pentachlorophenol

Concen: 0.08 ng/ul

RT: 16.96 min Scan# 2412

Delta R.T. -0.05 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

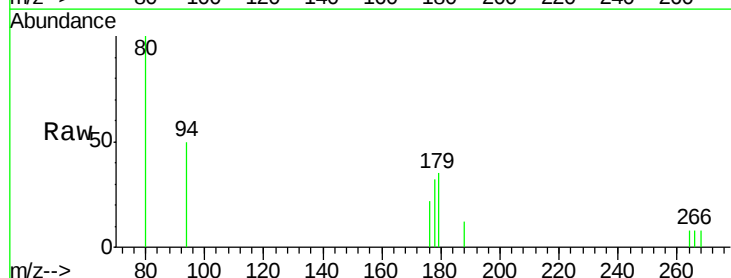
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 50.0 47.9 71.9

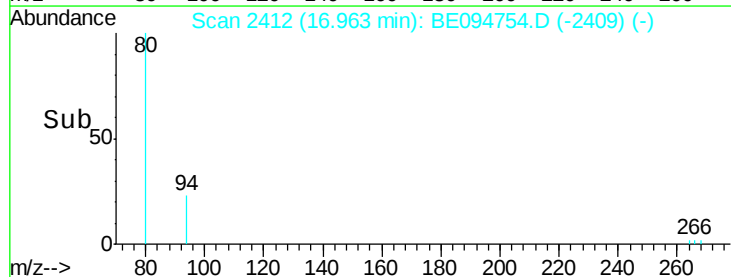
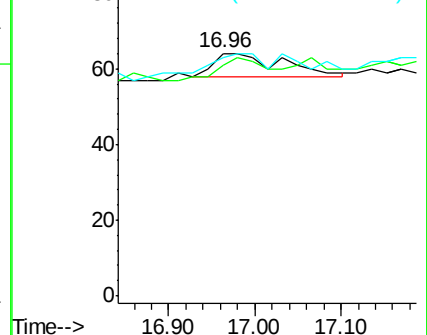
268 52.9 49.8 74.8

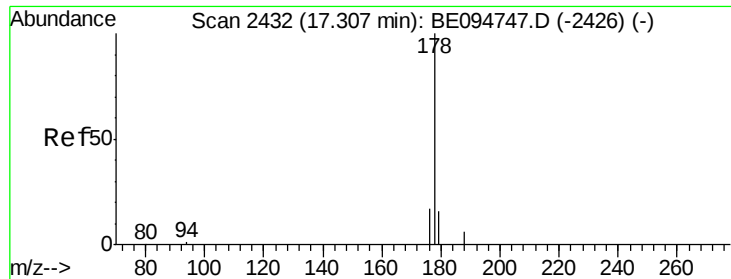


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 46.34 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

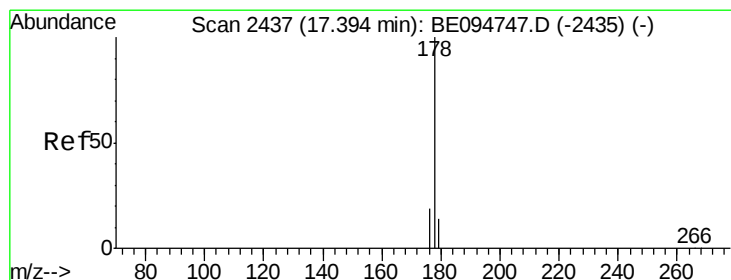
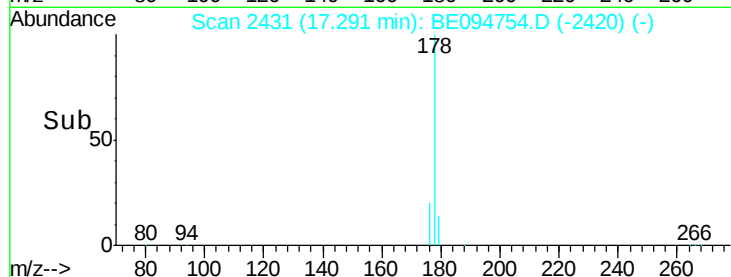
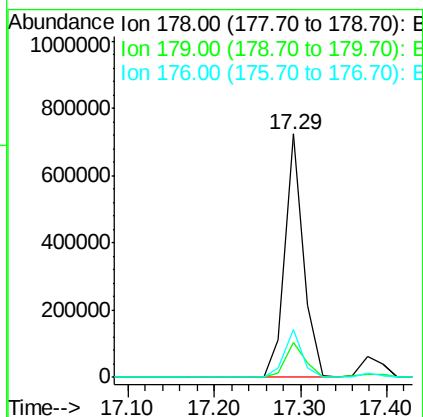
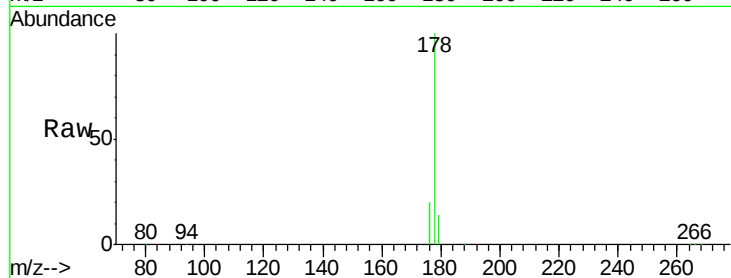
Tot Ion:178 Resp: 1099094

Ion Ratio Lower Upper

178 100

179 14.5 18.4 27.6#

176 19.9 13.6 20.4



#13

Anthracene

Concen: 4.85 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

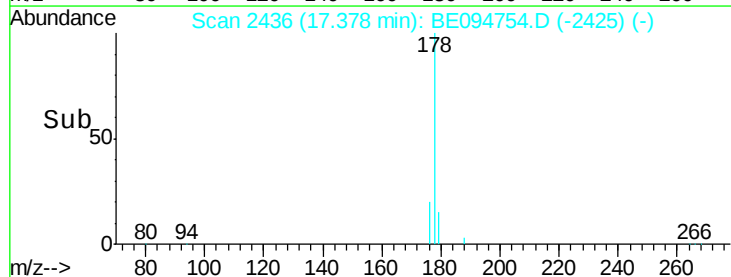
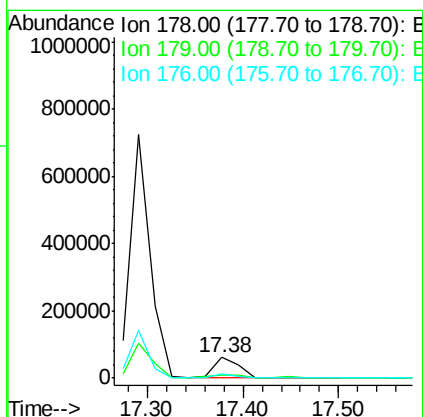
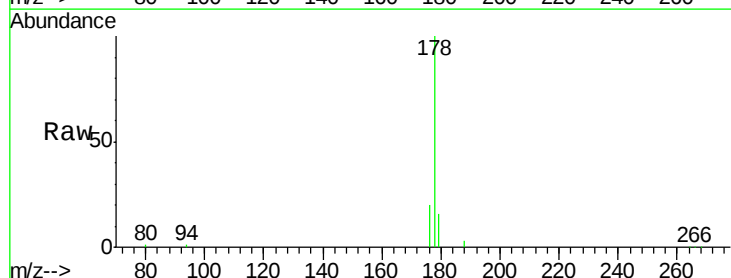
Tgt Ion:178 Resp: 113431

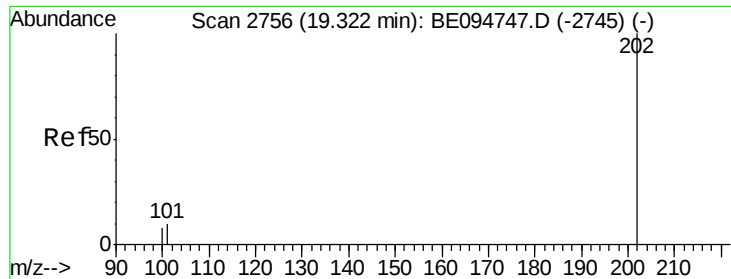
Ion Ratio Lower Upper

178 100

179 15.9 18.1 27.1#

176 19.9 14.7 22.1





#15

Fluoranthene

Concen: 22.78 ng/ul

RT: 19.32 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

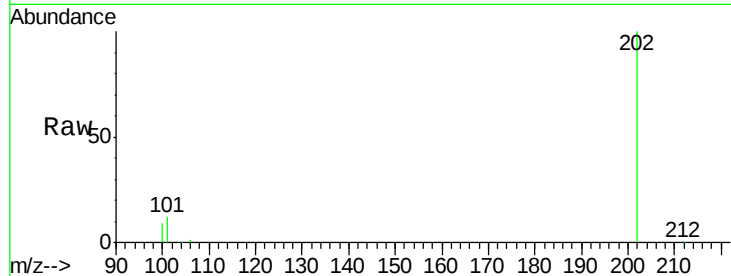
Tot Ion:202 Resp: 624752

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.3

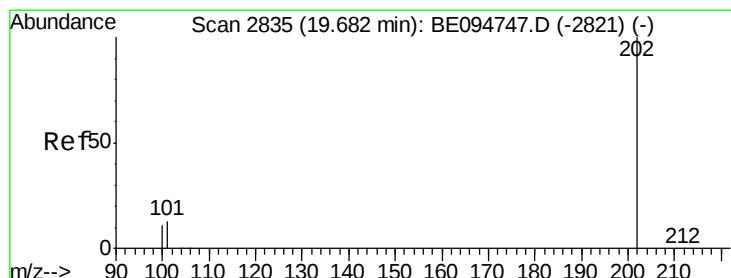
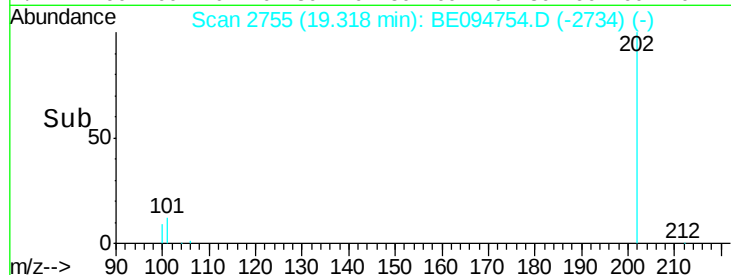
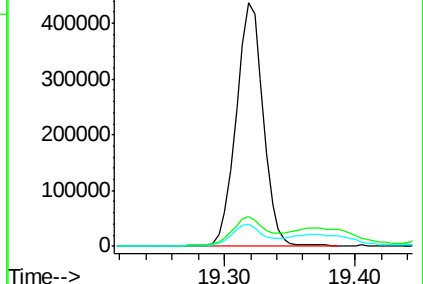
100 9.1 0.0 39.5



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: 17.62 ng/ul

RT: 19.68 min Scan# 2835

Delta R.T. 0.00 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

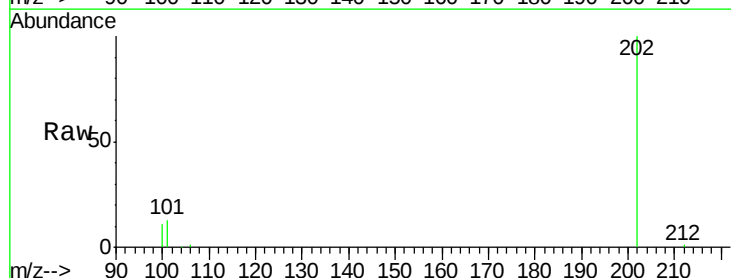
Tgt Ion:202 Resp: 462466

Ion Ratio Lower Upper

202 100

101 12.9 18.2 27.4#

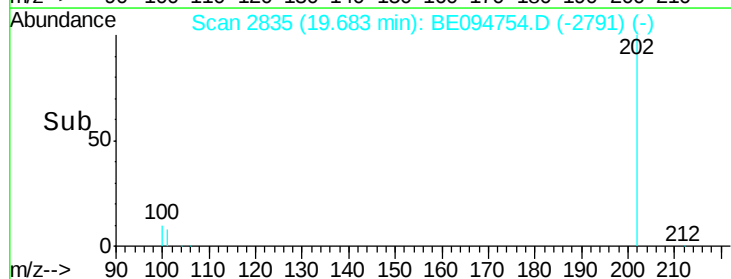
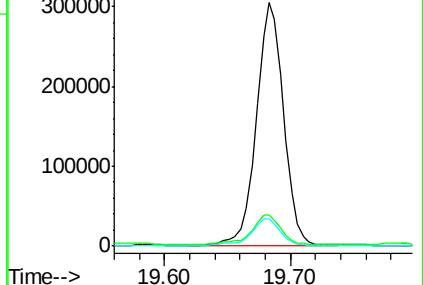
100 11.0 15.6 23.4#

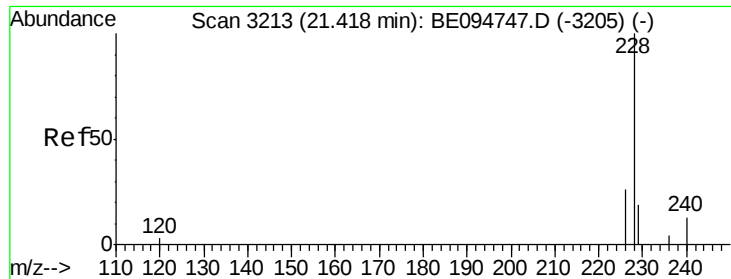


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 6.12 ng/ul

RT: 21.42 min Scan# 3213

Delta R.T. 0.00 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

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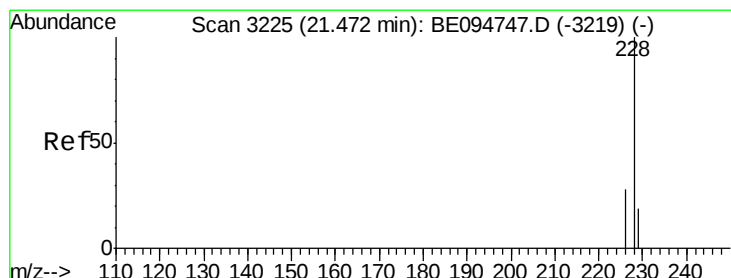
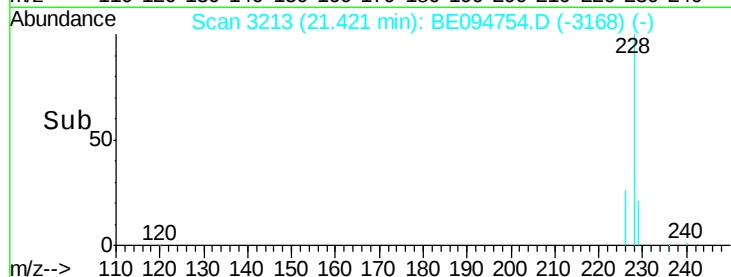
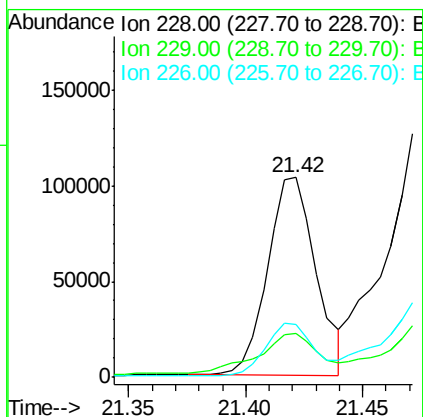
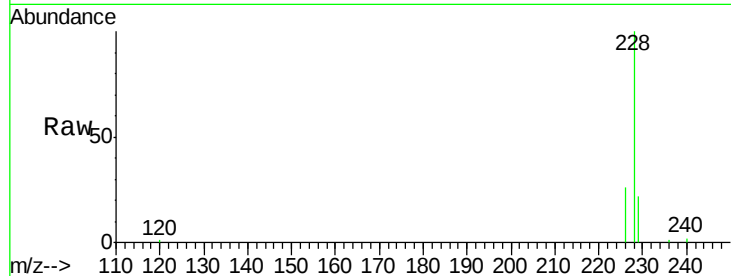
Tot Ion:228 Resp: 148441

Ion Ratio Lower Upper

228 100

229 22.1 22.8 34.2#

226 26.5 17.0 25.6#



#19

Chrysene

Concen: 9.29 ng/ul

RT: 21.48 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

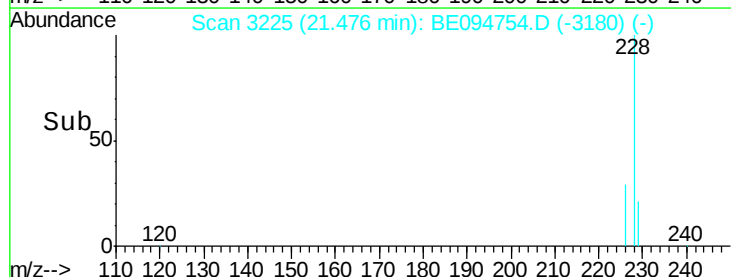
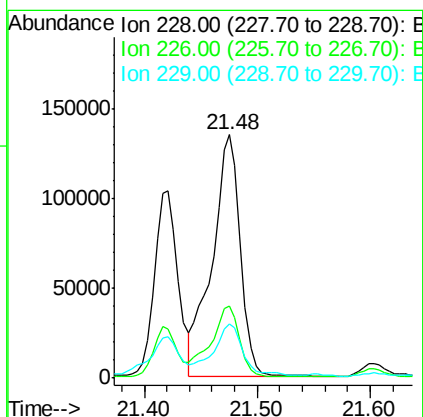
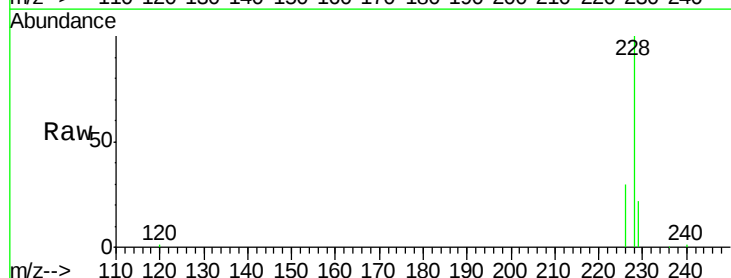
Tgt Ion:228 Resp: 233040

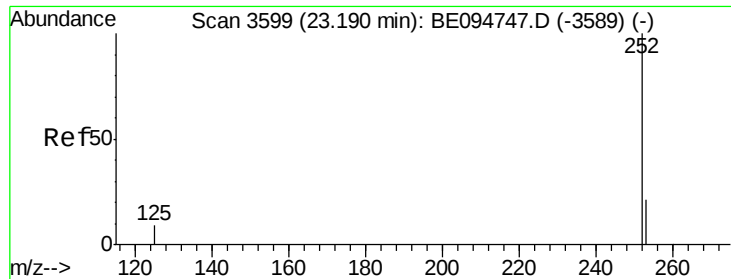
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 22.3 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 12.84 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

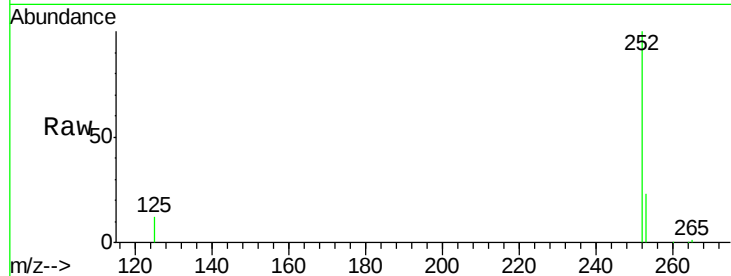
Tot Ion:252 Resp: 331490

Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

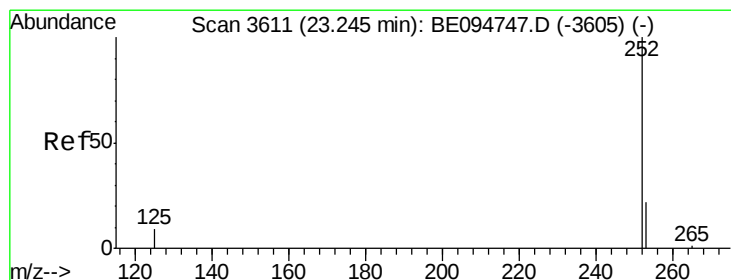
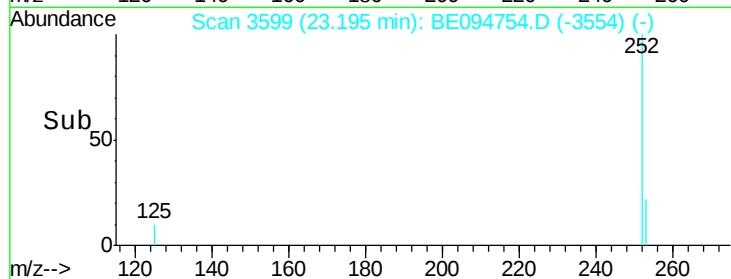
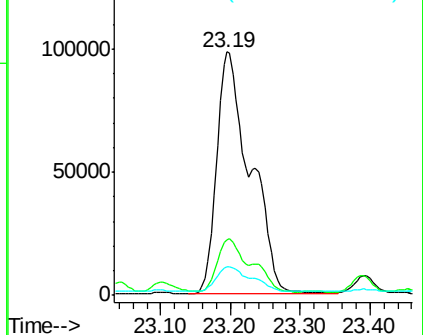
125 11.9 0.0 35.0



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: 11.98 ng/ul

RT: 23.19 min Scan# 3599

Delta R.T. -0.05 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

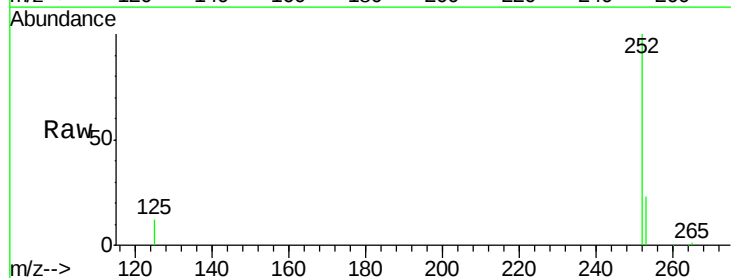
Tgt Ion:252 Resp: 331490

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

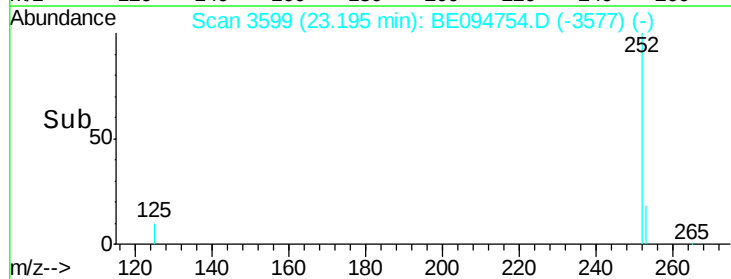
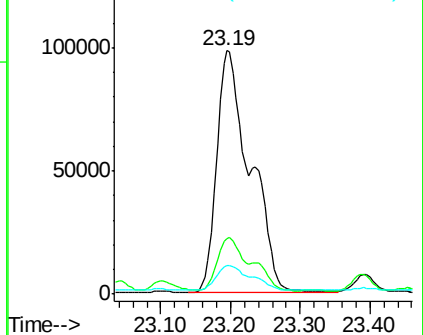
125 11.9 13.7 20.5#

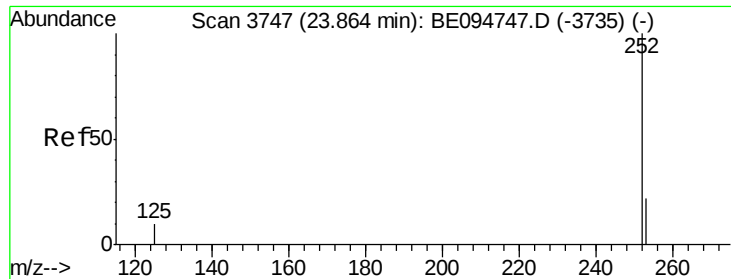


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.59 ng/ul

RT: 23.86 min Scan# 3745

Delta R.T. -0.00 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

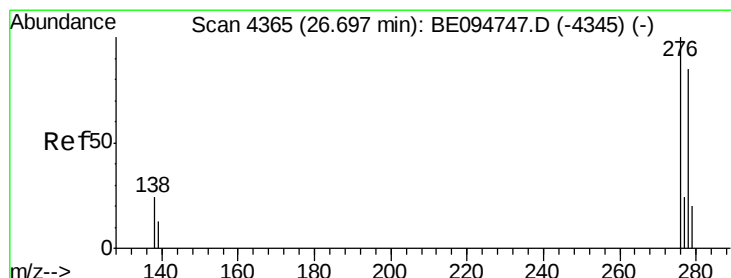
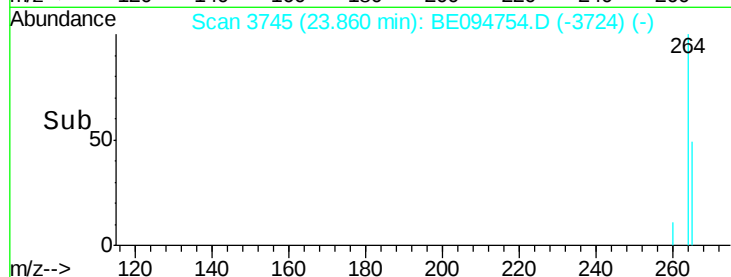
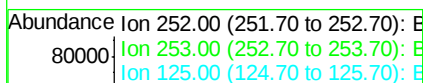
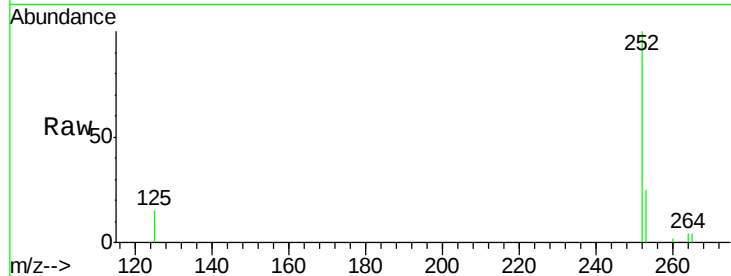
Tot Ion:252 Resp: 66942

Ion Ratio Lower Upper

252 100

253 25.3 28.5 42.7#

125 15.0 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 2.95 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. -0.01 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

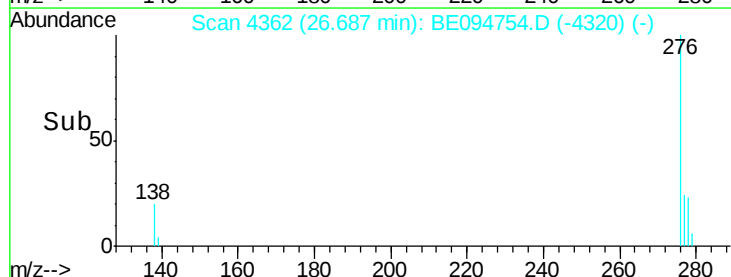
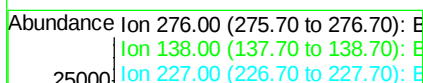
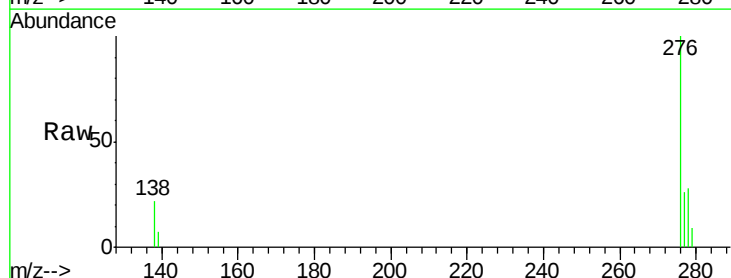
Tgt Ion:276 Resp: 78764

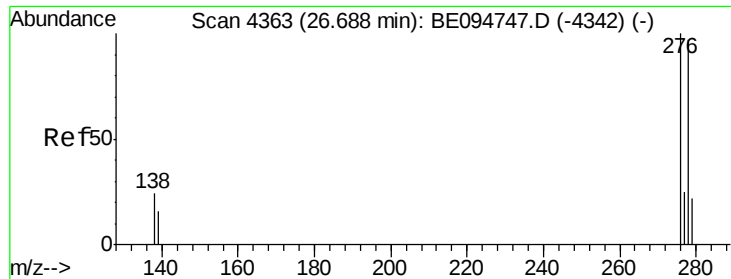
Ion Ratio Lower Upper

276 100

138 20.8 28.0 42.0#

227 0.0 8.0 12.0#





#25

Dibenzo(a,h)anthracene

Concen: 1.01 ng/ul

RT: 26.68 min Scan# 4360

Delta R.T. -0.01 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

Instrument :

BNA_E

ClientSampleId :

B-3(1-2)-102517

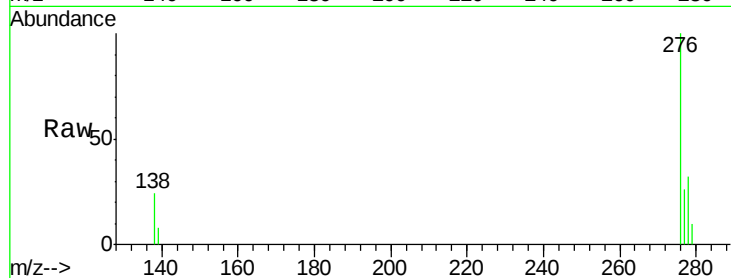
Tot Ion:278 Resp: 22707

Ion Ratio Lower Upper

278 100

139 25.4 17.4 26.0

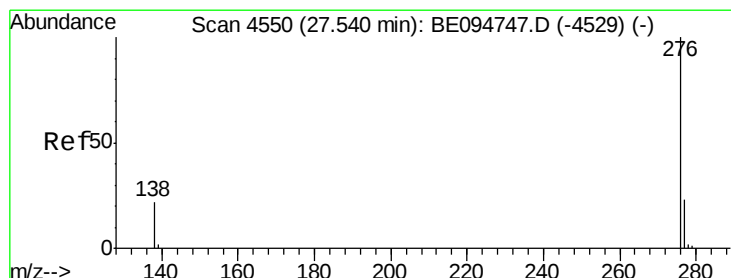
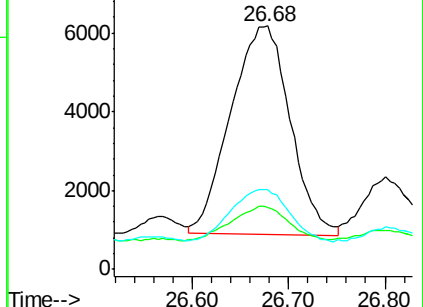
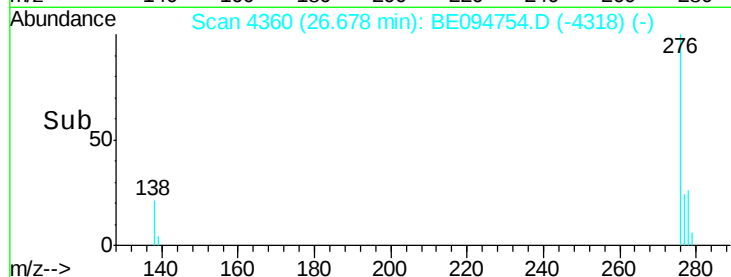
279 33.0 25.9 38.9



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: 3.19 ng/ul

RT: 27.53 min Scan# 4546

Delta R.T. -0.01 min

Lab File: BE094754.D

Acq: 6 Nov 2017 15:43

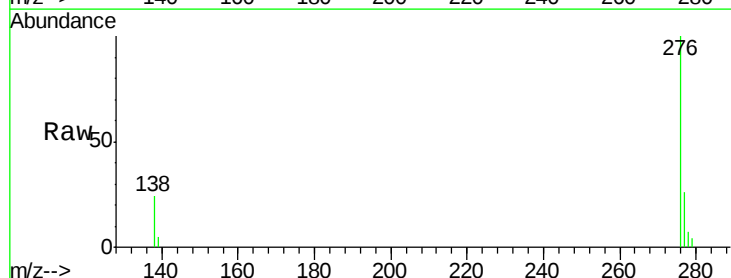
Tgt Ion:276 Resp: 68290

Ion Ratio Lower Upper

276 100

138 24.0 21.8 32.8

277 26.0 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

