

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\
 Data File : BE094751.D
 Acq On : 6 Nov 2017 13:55
 Operator : SJ/JU
 Sample : I5955-04RE 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-17(5-6.5)-101717RE

Quant Time: Nov 07 00:13:14 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	7.91	152	1191	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7178	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4085	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8627	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	8559	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	10233	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	791	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	2313	0.09	ng/ul	0.00

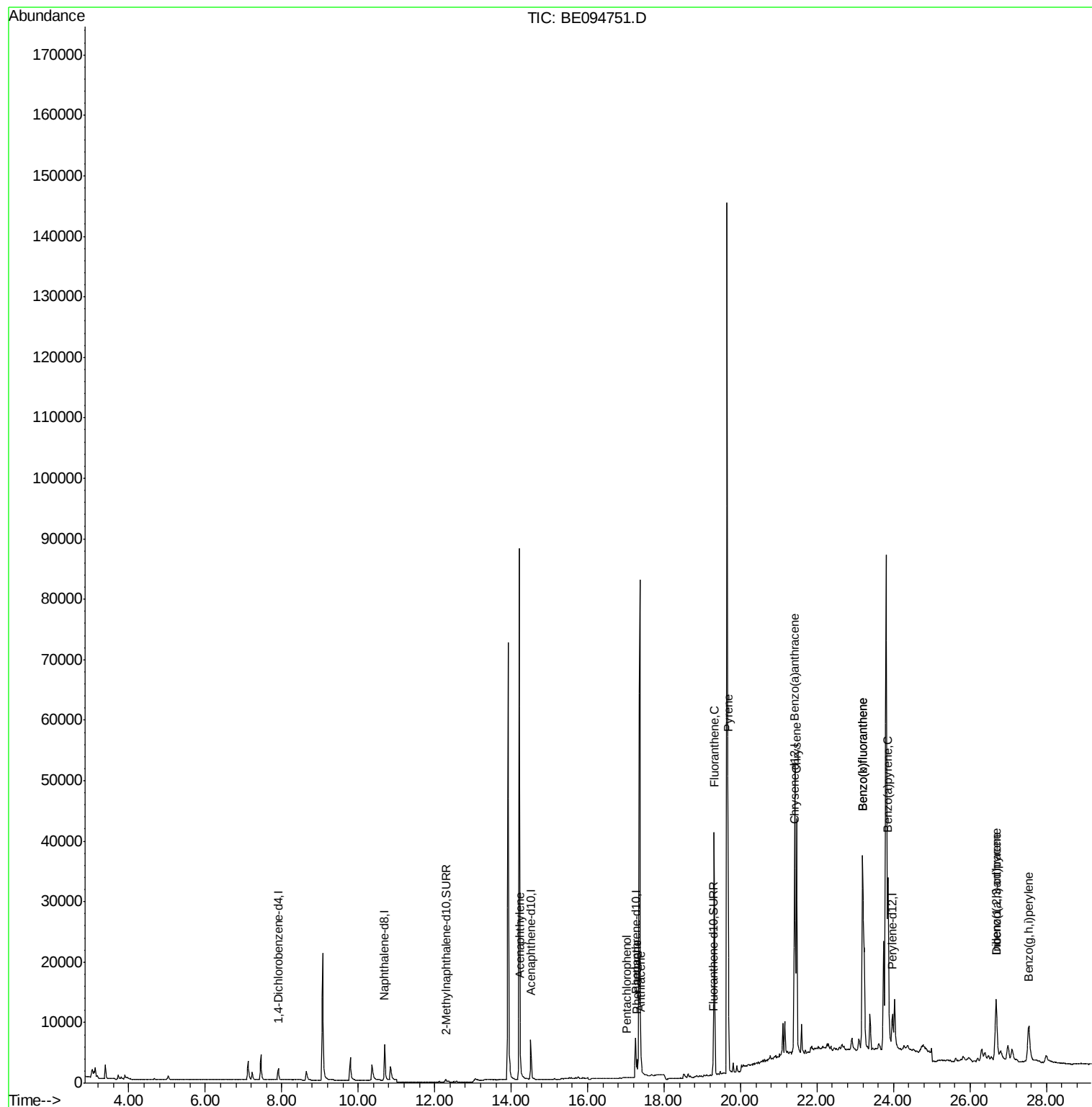
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.24	152	895	0.05	ng/ul#	79
11) Pentachlorophenol	17.03	266	16	0.04	ng/ul#	52
12) Phenanthrene	17.29	178	3653	0.16	ng/ul#	90
13) Anthracene	17.40	178	1941	0.09	ng/ul#	82
15) Fluoranthene	19.31	202	47397	1.80	ng/ul	84
17) Pyrene	19.67	202	53302	2.01	ng/ul#	81
18) Benzo(a)anthracene	21.41	228	45000	1.84	ng/ul#	88
19) Chrysene	21.47	228	41813	1.65	ng/ul	94
21) Benzo(b)fluoranthene	23.19	252	81985	2.85	ng/ul	93
22) Benzo(k)fluoranthene	23.19	252	81985	2.66	ng/ul	95
23) Benzo(a)pyrene	23.86	252	43917	1.53	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.69	276	24193	0.81	ng/ul#	71
25) Dibenzo(a,h)anthracene	26.67	278	5403	0.22	ng/ul#	56
26) Benzo(g,h,i)perylene	27.54	276	17623	0.74	ng/ul#	87

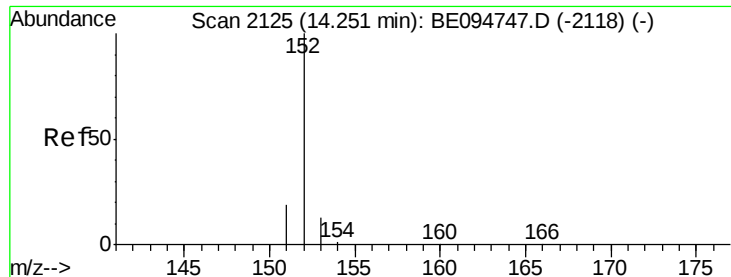
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717RE

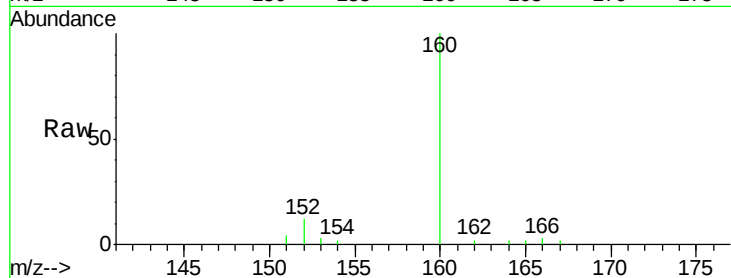
Tot Ion:152 Resp: 895

Ion Ratio Lower Upper

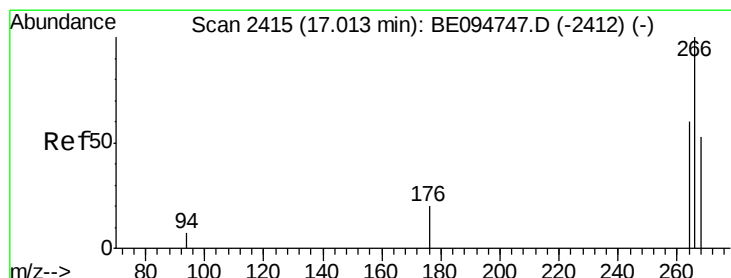
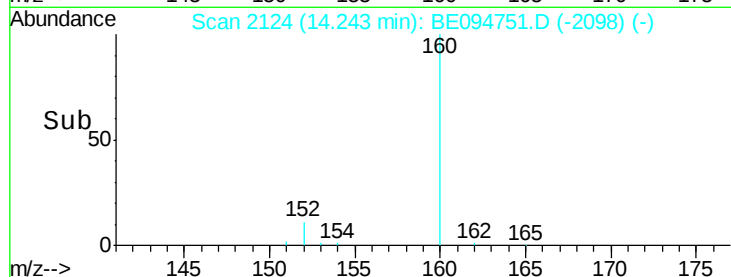
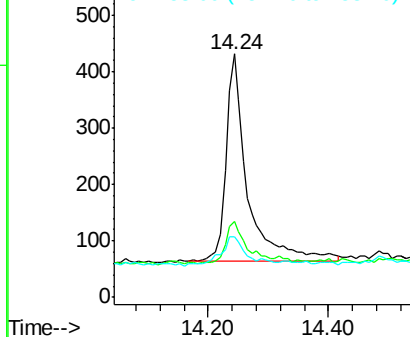
152 100

151 31.0 17.1 25.7#

153 25.0 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



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 17.03 min Scan# 2416

Delta R.T. 0.02 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

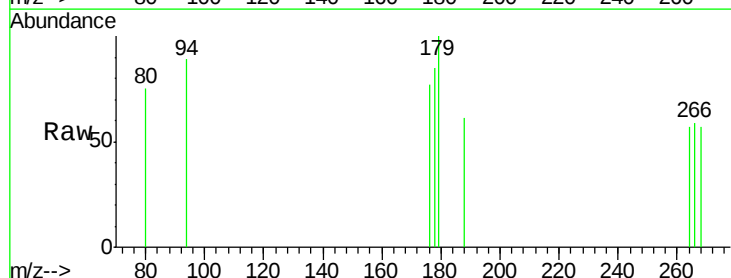
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

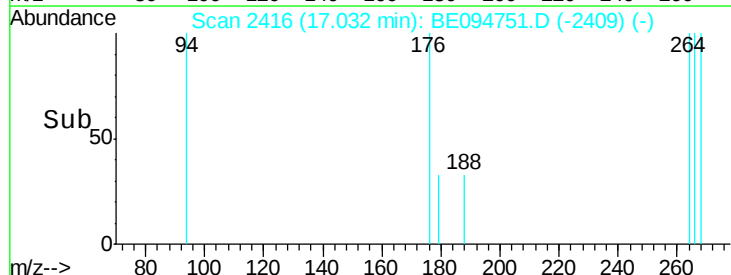
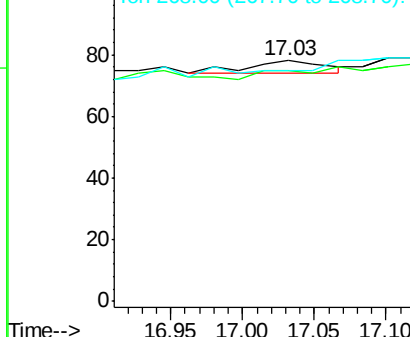
266 100

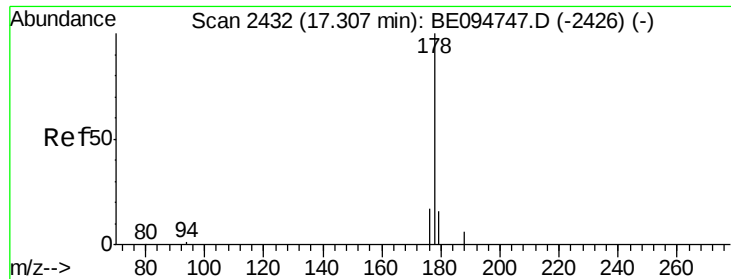
264 50.0 47.9 71.9

268 0.0 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: 0.16 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717RE

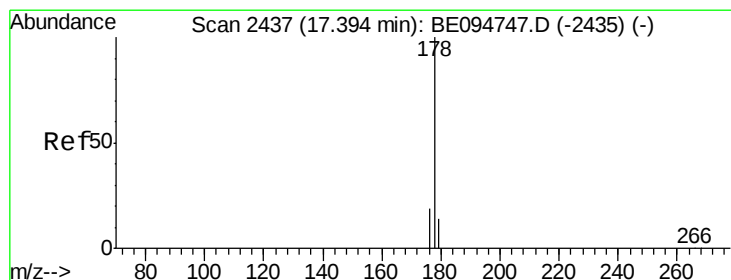
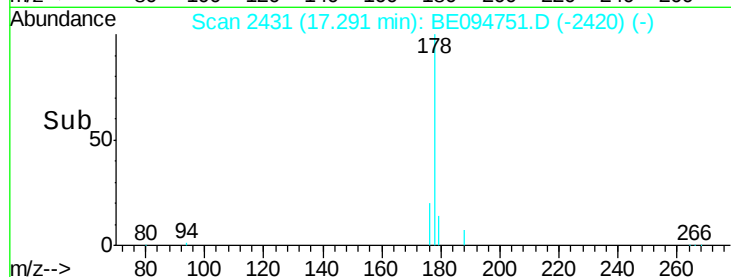
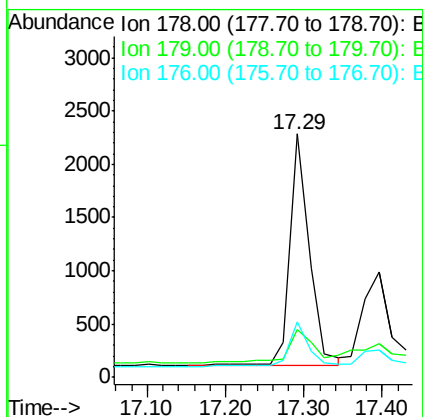
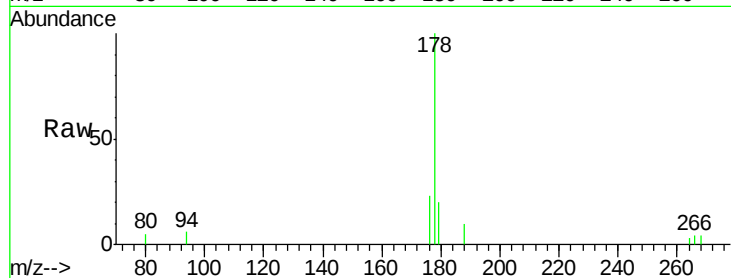
Tot Ion:178 Resp: 3653

Ion Ratio Lower Upper

178 100

179 19.8 18.4 27.6

176 23.0 13.6 20.4#



#13

Anthracene

Concen: 0.09 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

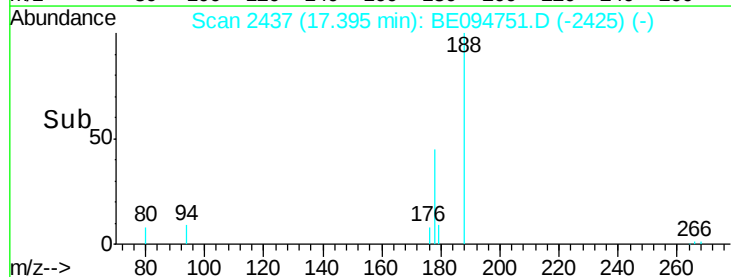
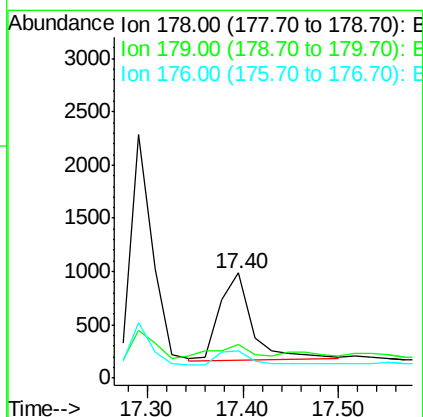
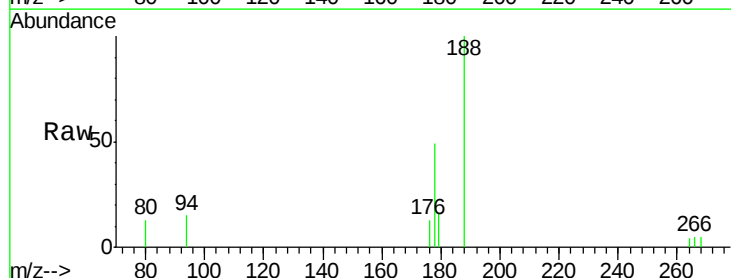
Tgt Ion:178 Resp: 1941

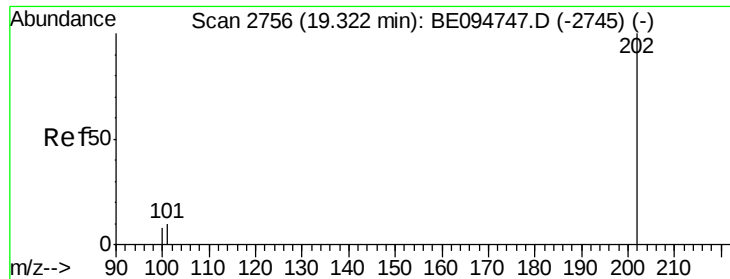
Ion Ratio Lower Upper

178 100

179 31.6 18.1 27.1#

176 26.0 14.7 22.1#





#15

Fluoranthene

Concen: 1.80 ng/ul

RT: 19.31 min Scan# 2754

Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

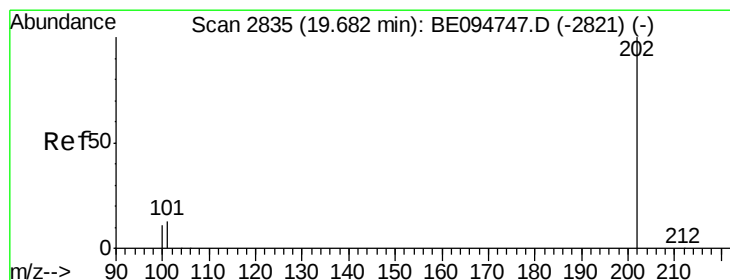
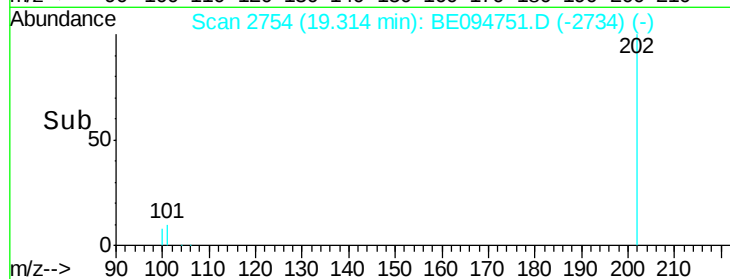
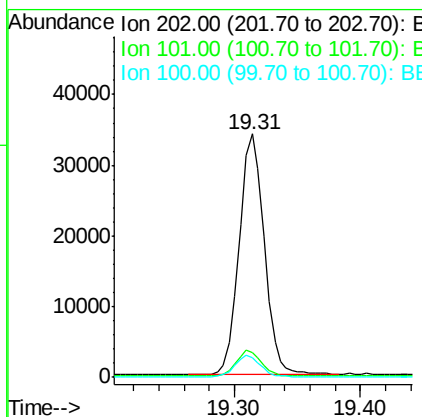
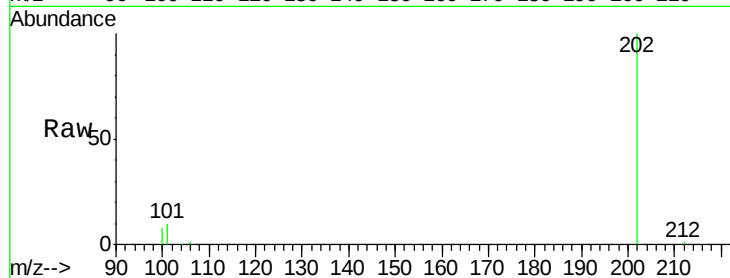
Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717RE

Tot Ion:202	Resp:	47397
Ion Ratio	Lower	Upper
202	100	
101	10.4	0.0 30.3
100	8.3	0.0 39.5



#17

Pyrene

Concen: 2.01 ng/ul

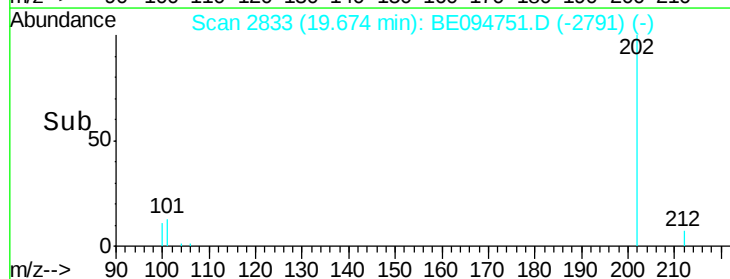
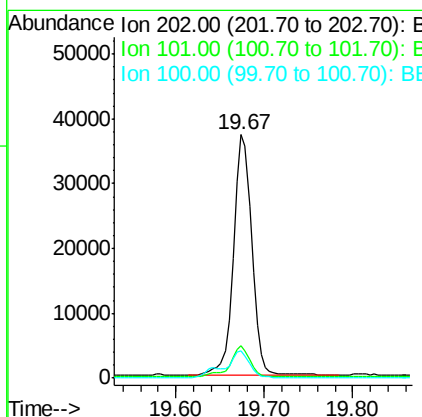
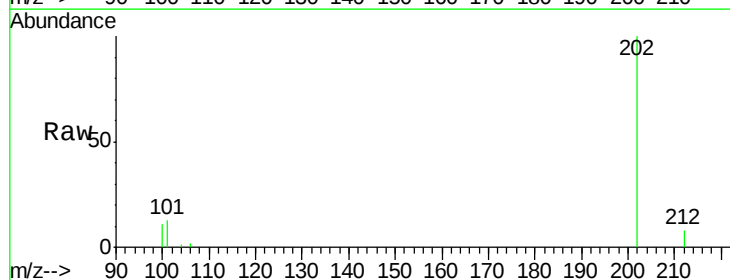
RT: 19.67 min Scan# 2833

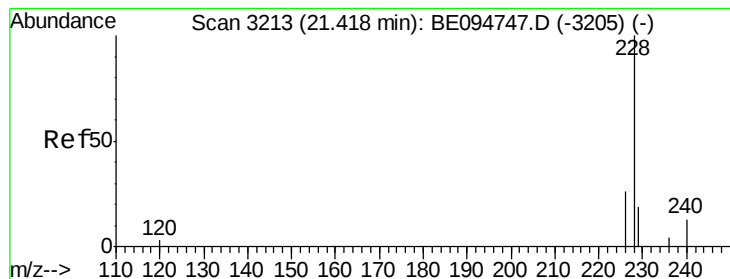
Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

Tgt Ion:202	Resp:	53302
Ion Ratio	Lower	Upper
202	100	
101	13.2	18.2 27.4#
100	11.3	15.6 23.4#





#18

Benzo(a)anthracene

Concen: 1.84 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717RE

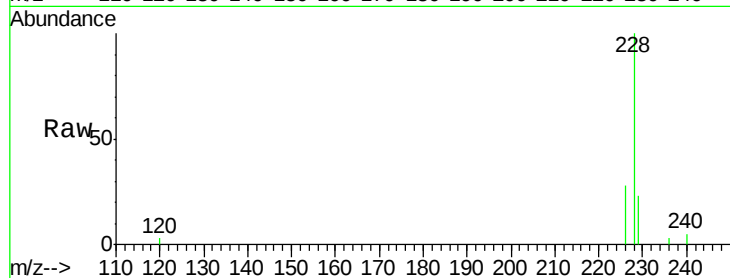
Tot Ion:228 Resp: 45000

Ion Ratio Lower Upper

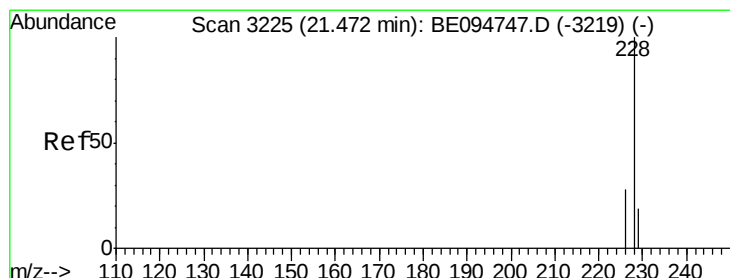
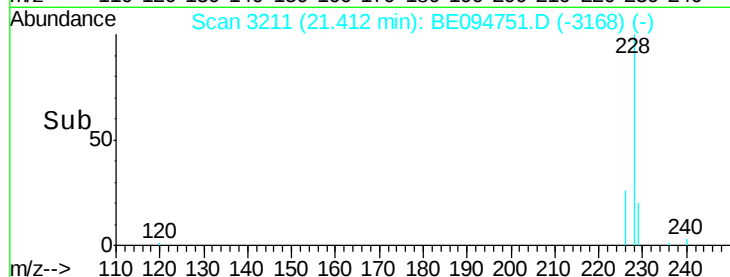
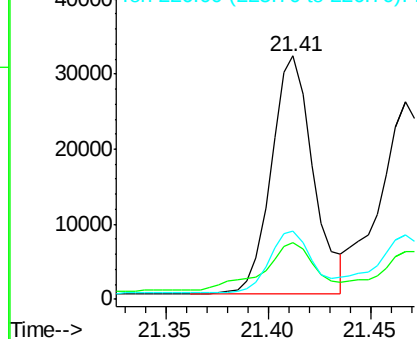
228 100

229 23.3 22.8 34.2

226 27.9 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: 1.65 ng/ul

RT: 21.47 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

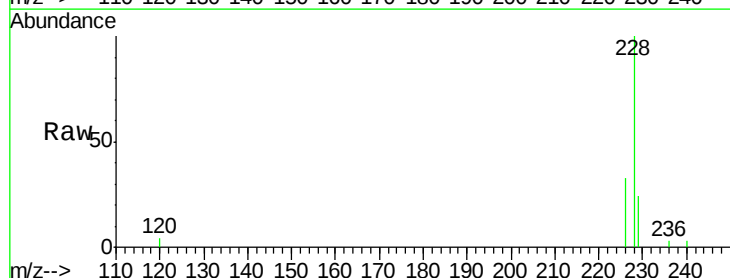
Tgt Ion:228 Resp: 41813

Ion Ratio Lower Upper

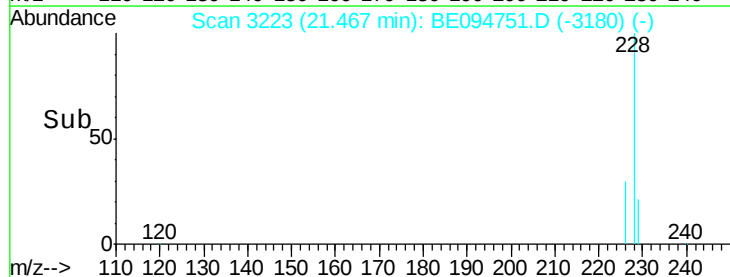
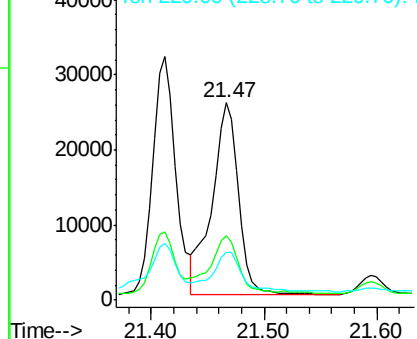
228 100

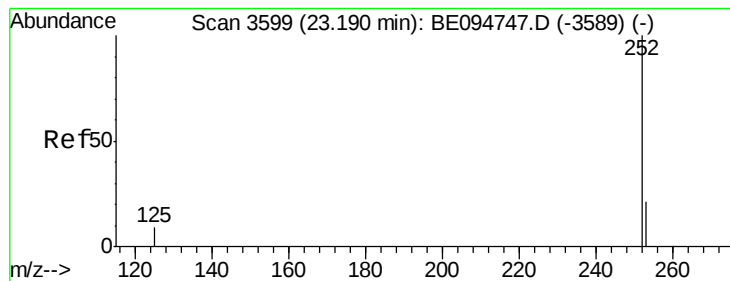
226 32.8 23.4 35.0

229 24.5 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: 2.85 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717RE

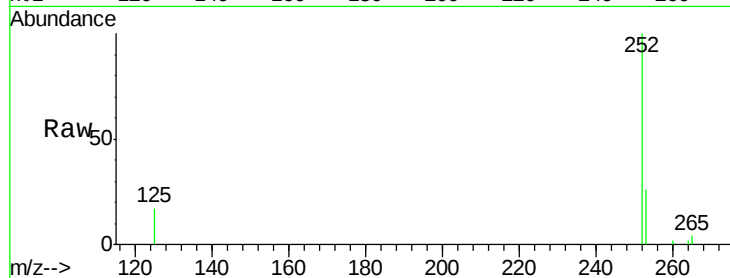
Tot Ion:252 Resp: 81985

Ion Ratio Lower Upper

252 100

253 26.0 0.0 64.2

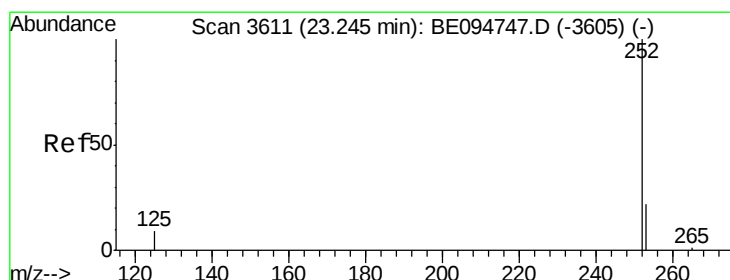
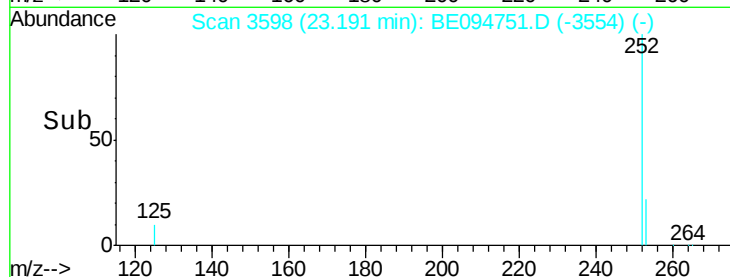
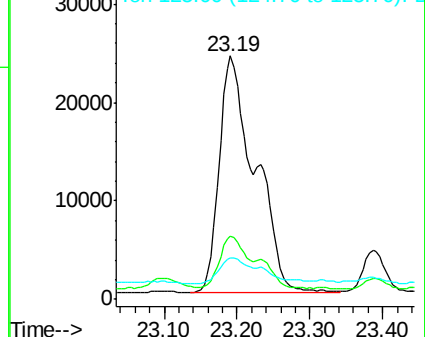
125 17.1 0.0 35.0



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: 2.66 ng/ul

RT: 23.19 min Scan# 3598

Delta R.T. -0.05 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

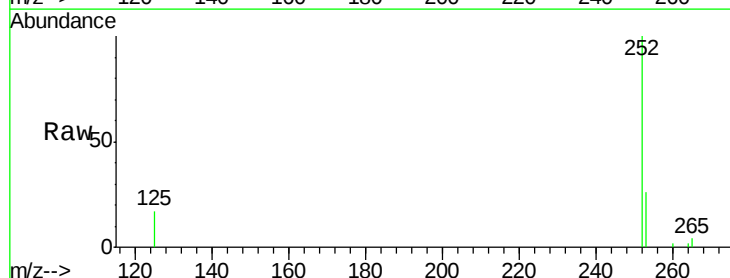
Tgt Ion:252 Resp: 81985

Ion Ratio Lower Upper

252 100

253 26.0 24.5 36.7

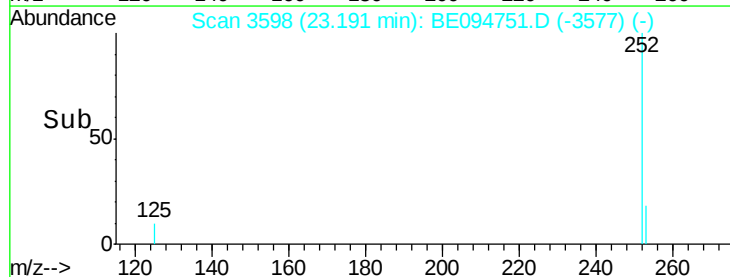
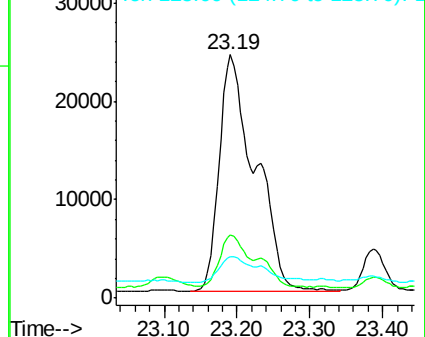
125 17.1 13.7 20.5

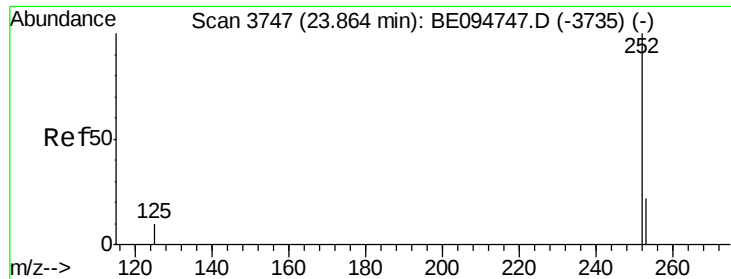


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.53 ng/ul

RT: 23.86 min Scan# 3744

Delta R.T. -0.01 min

Lab File: BE094751.D

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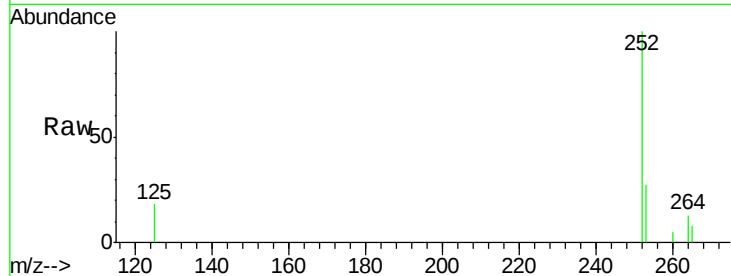
Tot Ion:252 Resp: 43917

Ion Ratio Lower Upper

252 100

253 27.1 28.5 42.7#

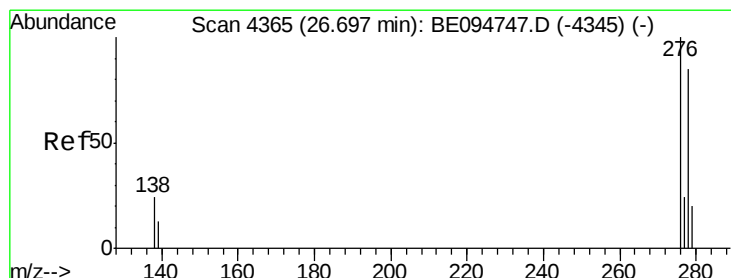
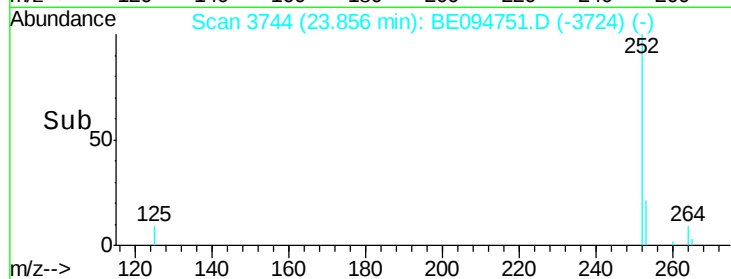
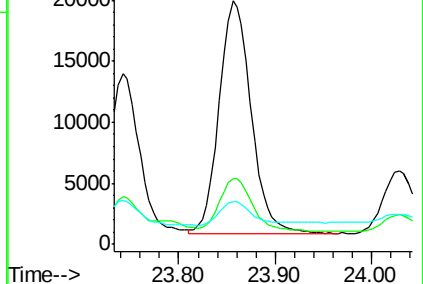
125 17.7 18.1 27.1#



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: 0.81 ng/ul

RT: 26.69 min Scan# 4362

Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

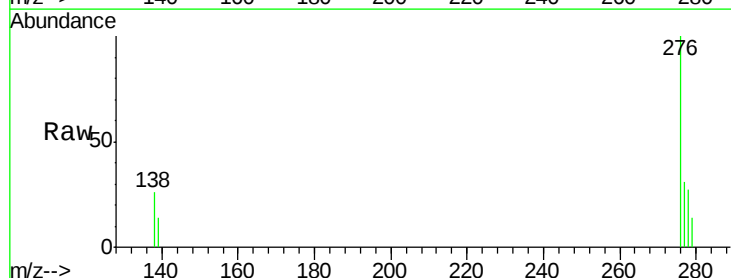
Tgt Ion:276 Resp: 24193

Ion Ratio Lower Upper

276 100

138 17.5 28.0 42.0#

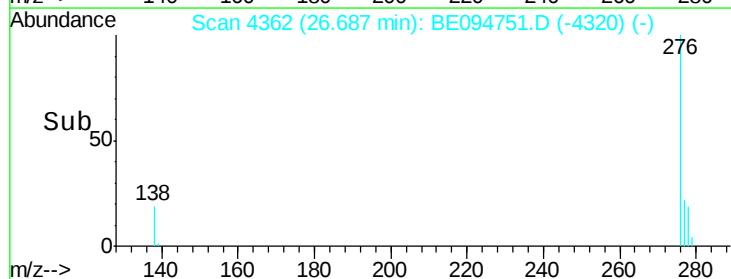
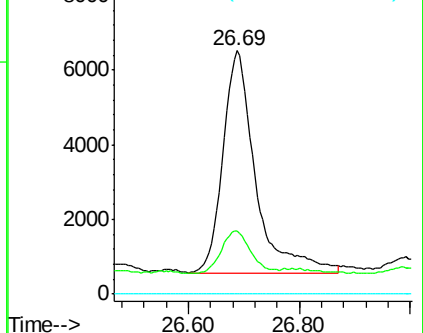
227 0.0 8.0 12.0#

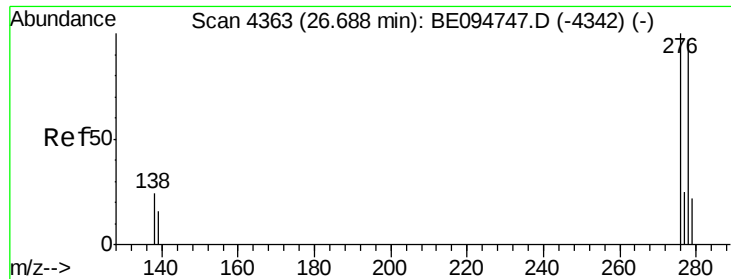


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.22 ng/ul

RT: 26.67 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

Instrument :

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B-17(5-6.5)-101717RE

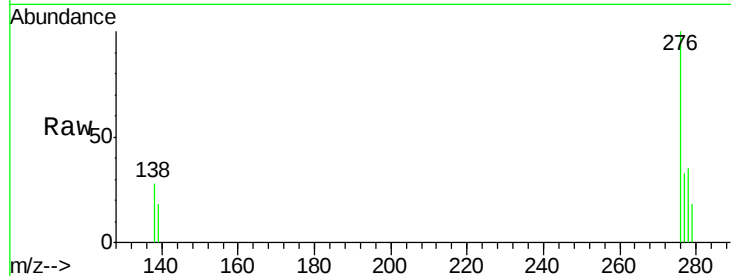
Tot Ion:278 Resp: 5403

Ion Ratio Lower Upper

278 100

139 49.7 17.4 26.0#

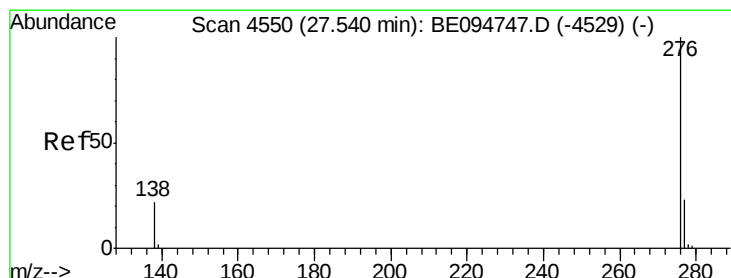
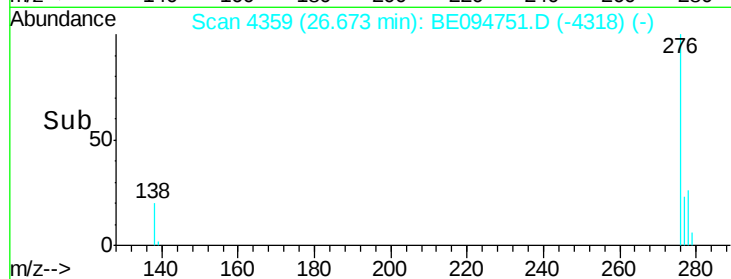
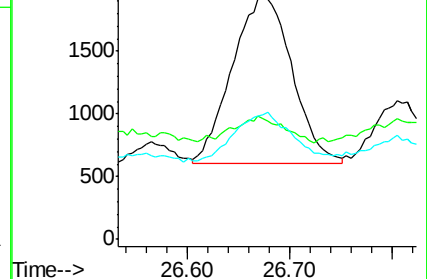
279 51.2 25.9 38.9#



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: 0.74 ng/ul

RT: 27.54 min Scan# 4549

Delta R.T. -0.00 min

Lab File: BE094751.D

Acq: 6 Nov 2017 13:55

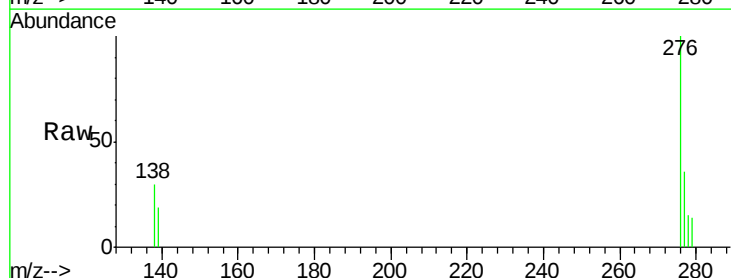
Tgt Ion:276 Resp: 17623

Ion Ratio Lower Upper

276 100

138 30.2 21.8 32.8

277 35.7 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

