

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110317\
 Data File : BE094737.D
 Acq On : 4 Nov 2017 8:42
 Operator : SJ/JU
 Sample : I5955-04 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Nov 05 23:58:42 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 04 06:57:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1338	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	8056	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.51	164	4577	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9779	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9824	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	11986	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	1090	0.08	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	3376	0.12	ng/ul	0.00

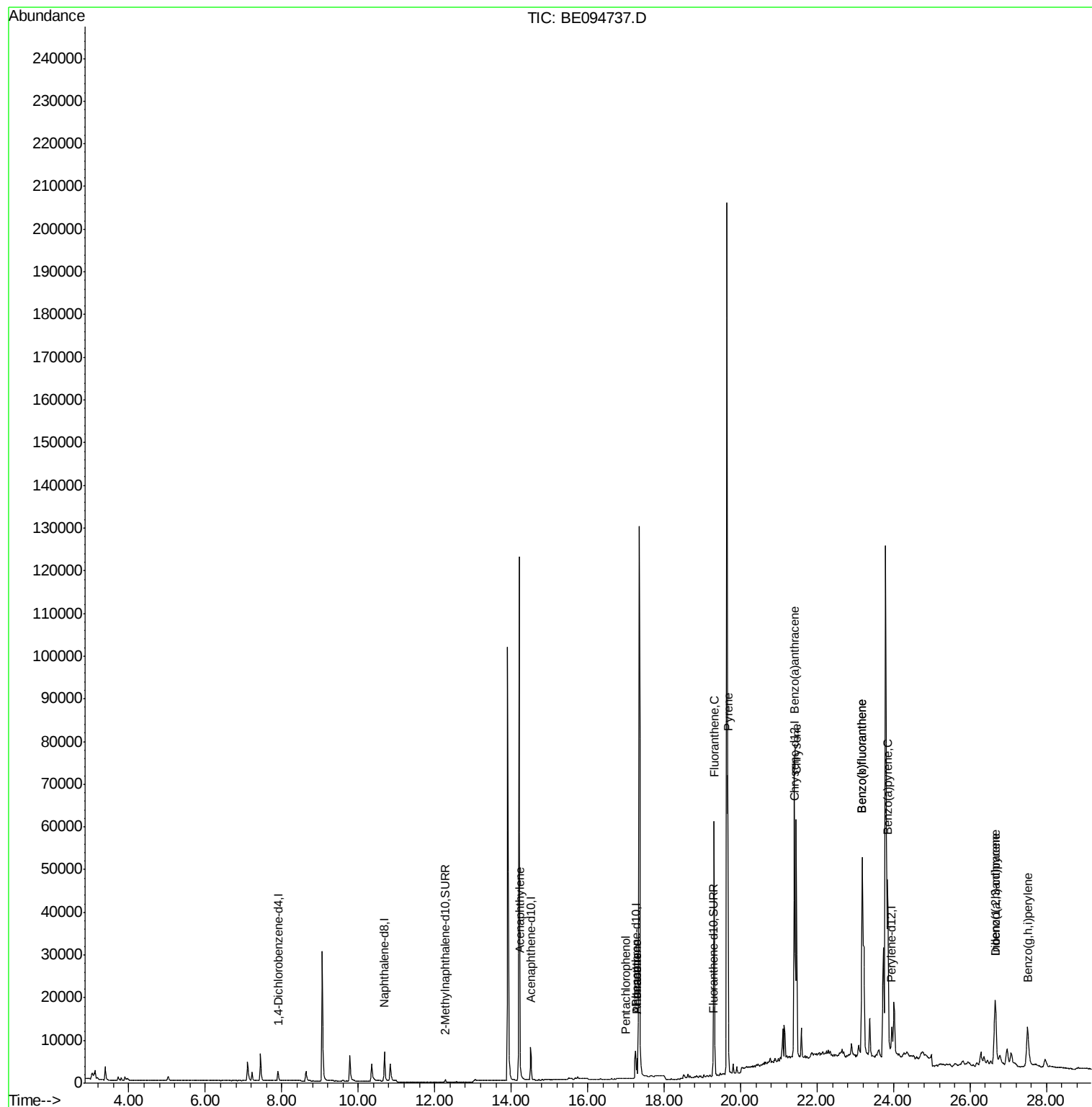
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	14.23	152	1382	0.07	ng/ul#	81
11) Pentachlorophenol	17.00	266	12	0.02	ng/ul#	1
12) Phenanthrene	17.29	178	5249	0.20	ng/ul#	94
13) Anthracene	17.29	178	5190	0.20	ng/ul	96
15) Fluoranthene	19.31	202	66943	2.24	ng/ul	84
17) Pyrene	19.67	202	75841	2.50	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	67565	2.41	ng/ul#	87
19) Chrysene	21.46	228	58537	2.02	ng/ul	95
21) Benzo(b)fluoranthene	23.18	252	117366	3.48	ng/ul	91
22) Benzo(k)fluoranthene	23.18	252	117366	3.25	ng/ul	93
23) Benzo(a)pyrene	23.85	252	64842	1.92	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.66	276	35642	1.02	ng/ul#	72
25) Dibenzo(a,h)anthracene	26.65	278	8109	0.28	ng/ul#	69
26) Benzo(g,h,i)perylene	27.50	276	26797	0.96	ng/ul#	92

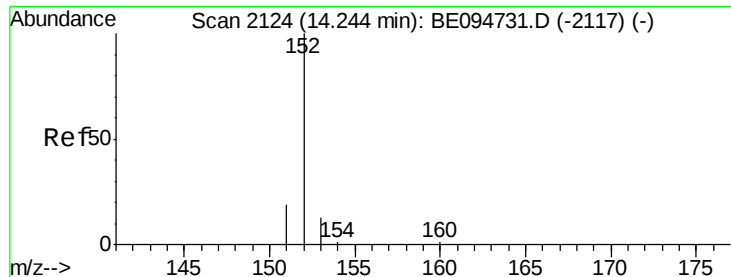
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717

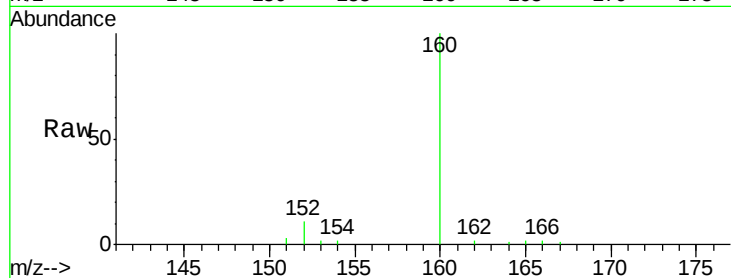
Tot Ion:152 Resp: 1382

Ion Ratio Lower Upper

152 100

151 31.6 17.1 25.7#

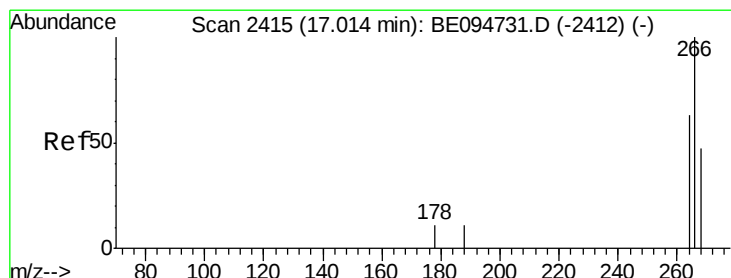
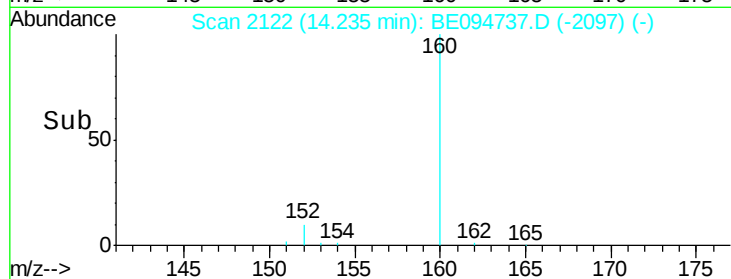
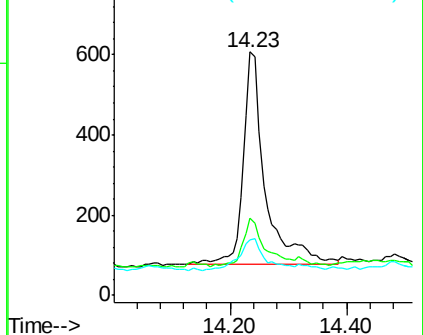
153 22.7 12.8 19.2#



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: 0.02 ng/ul

RT: 17.00 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

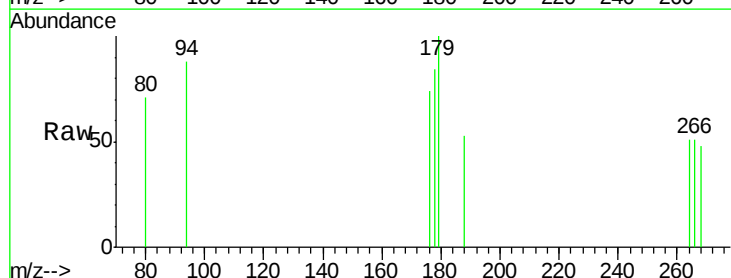
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 400.0 47.9 71.9#

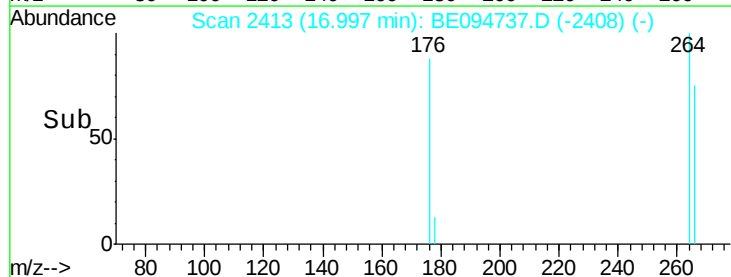
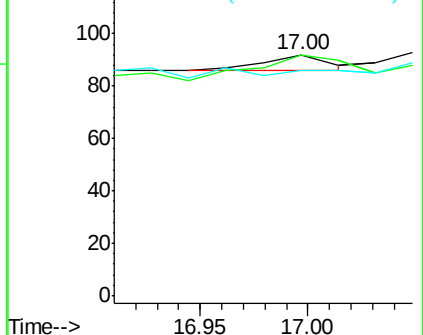
268 0.0 49.8 74.8#

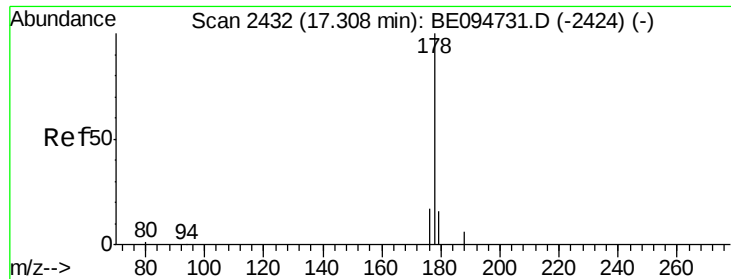


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

BNA_E

ClientSampleId :

B-17(5-6.5)-101717

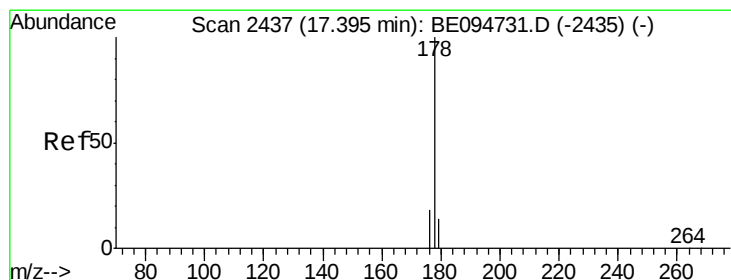
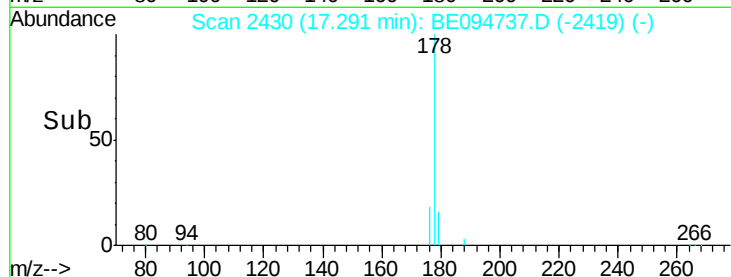
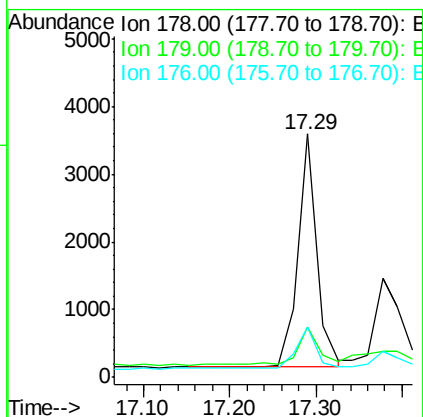
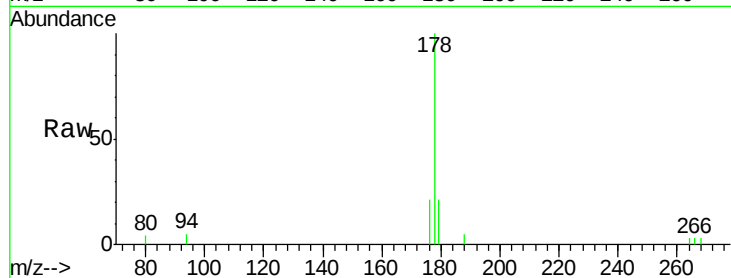
Tot Ion:178 Resp: 5249

Ion Ratio Lower Upper

178 100

179 20.6 18.4 27.6

176 20.5 13.6 20.4#



#13

Anthracene

Concen: 0.20 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.10 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

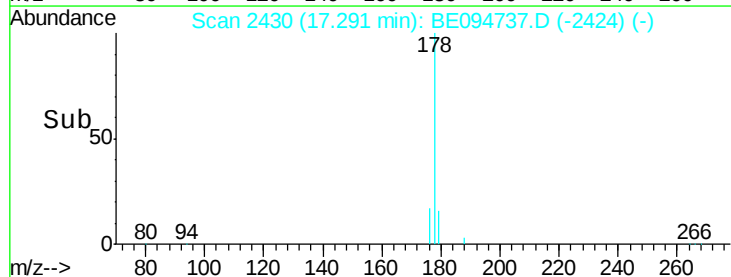
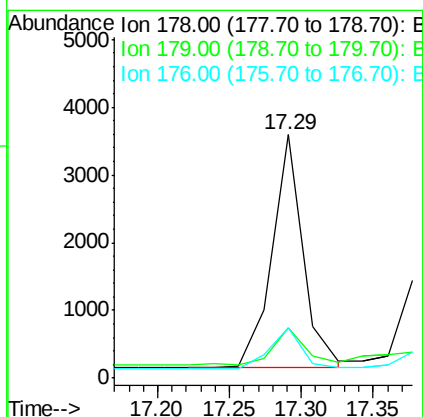
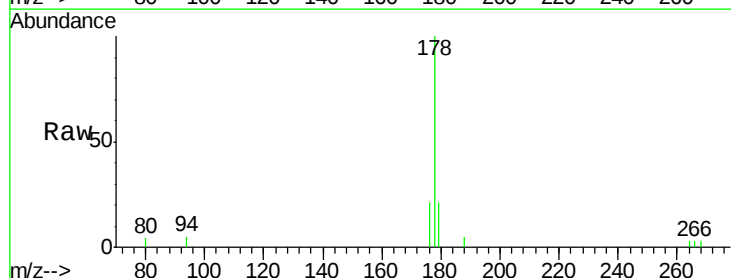
Tgt Ion:178 Resp: 5190

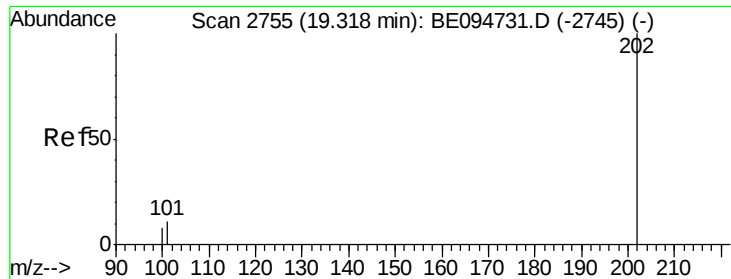
Ion Ratio Lower Upper

178 100

179 20.6 18.1 27.1

176 20.5 14.7 22.1





#15

Fluoranthene

Concen: 2.24 ng/ul

RT: 19.31 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

BNA_E

ClientSampleId :

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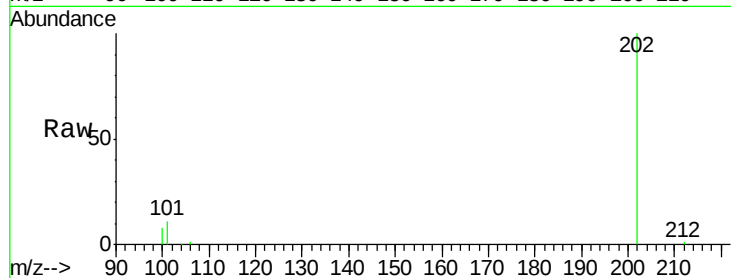
Tot Ion:202 Resp: 66943

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

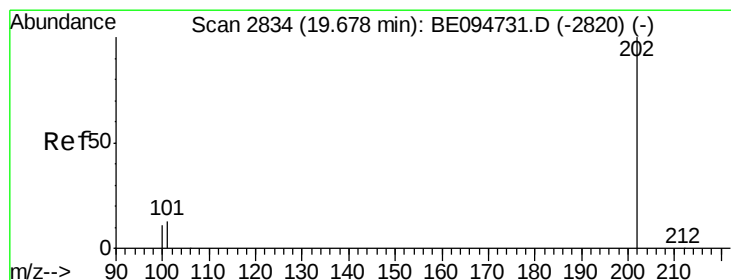
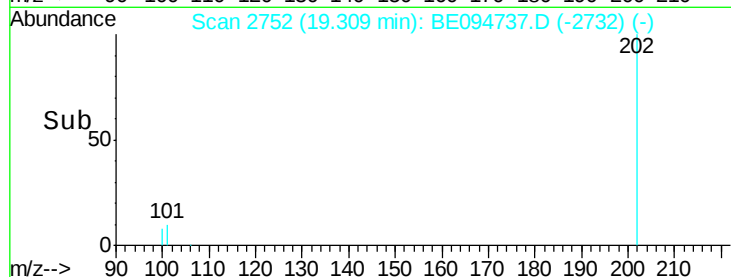
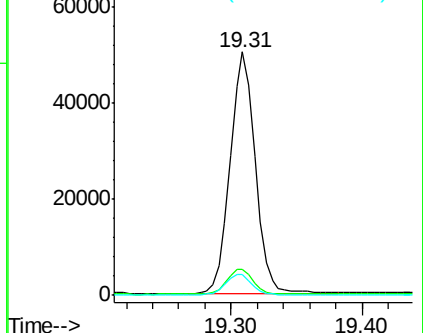
100 8.5 0.0 39.5



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: 2.50 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

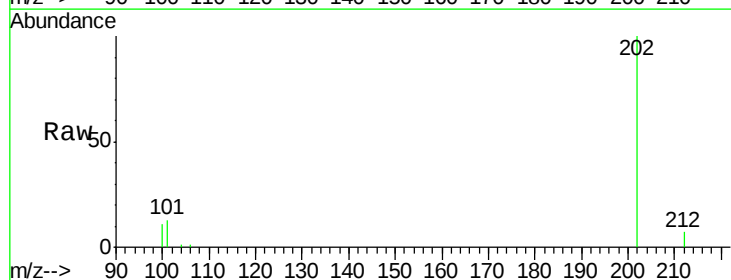
Tgt Ion:202 Resp: 75841

Ion Ratio Lower Upper

202 100

101 13.4 18.2 27.4#

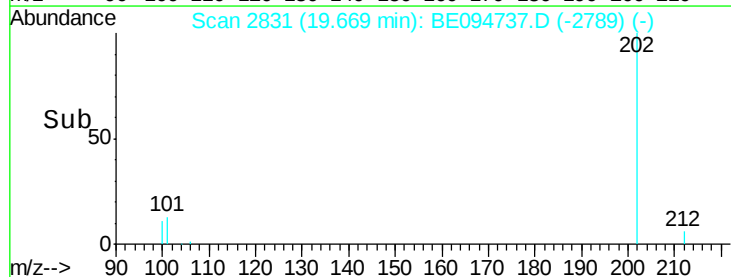
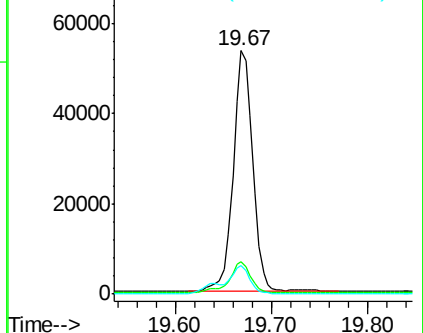
100 11.5 15.6 23.4#

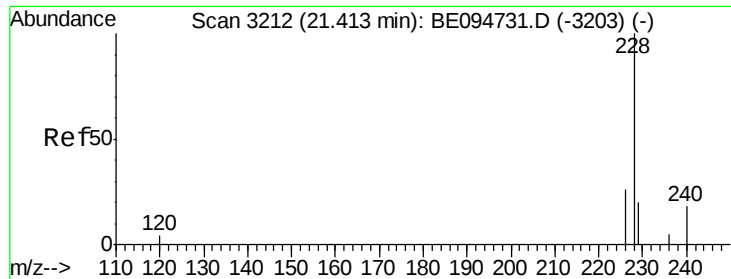


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 2.41 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

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ClientSampleId :

B-17(5-6.5)-101717

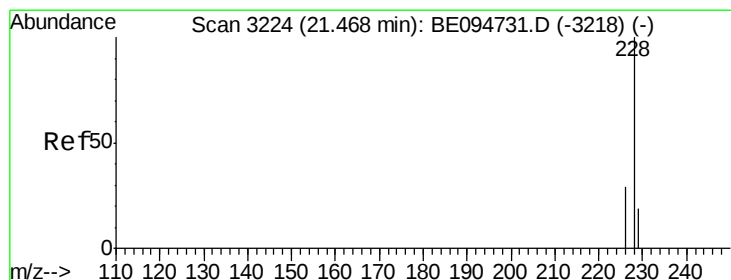
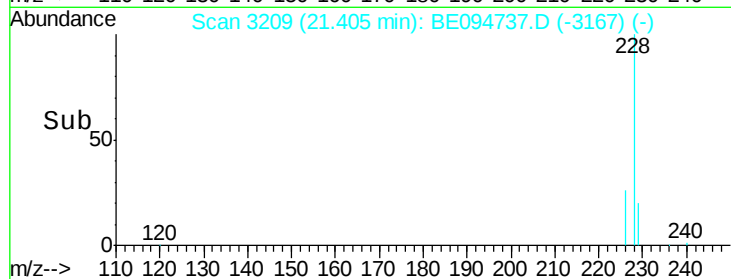
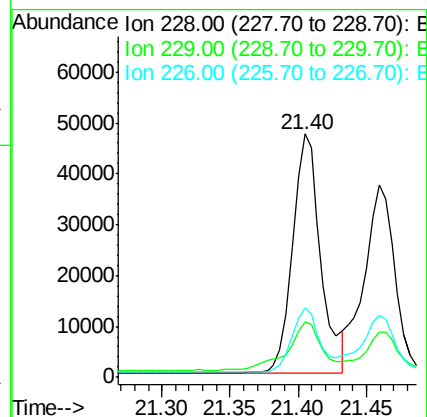
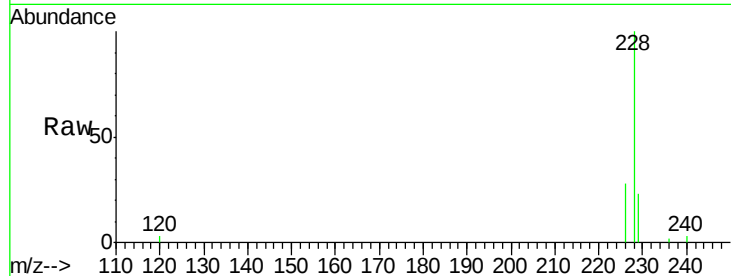
Tot Ion:228 Resp: 67565

Ion Ratio Lower Upper

228 100

229 22.9 22.8 34.2

226 28.4 17.0 25.6#



#19

Chrysene

Concen: 2.02 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

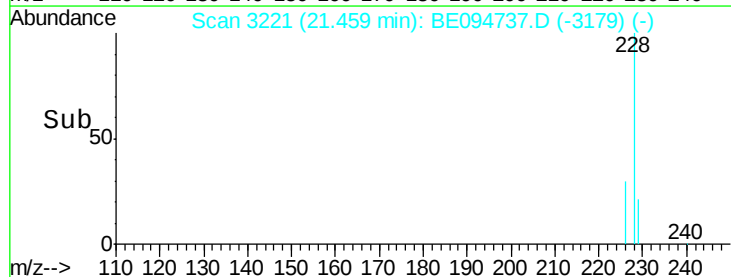
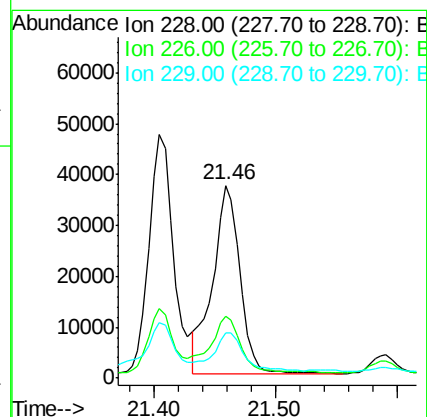
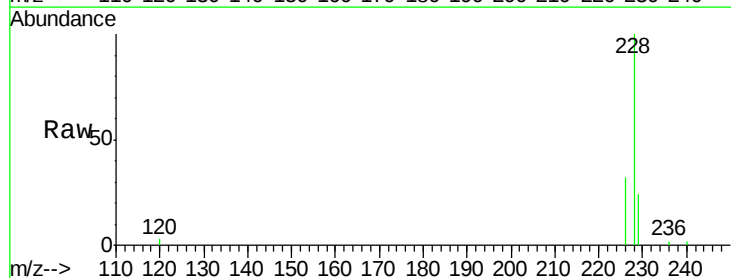
Tgt Ion:228 Resp: 58537

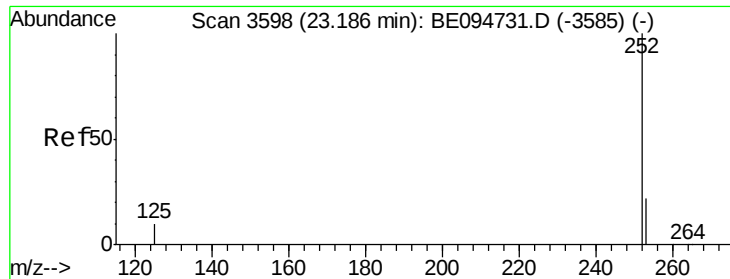
Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.0

229 23.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 3.48 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

BNA_E

ClientSampleId :

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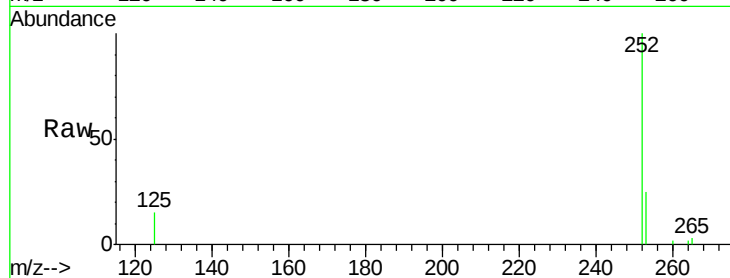
Tot Ion:252 Resp: 117366

Ion Ratio Lower Upper

252 100

253 25.5 0.0 64.2

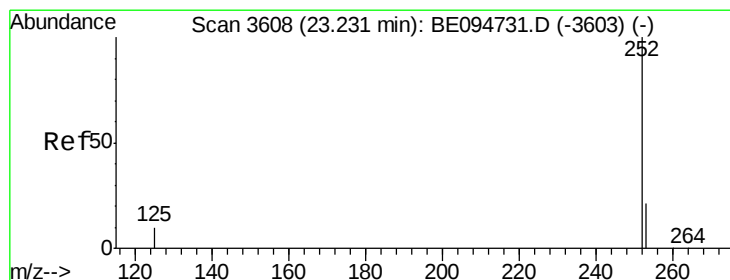
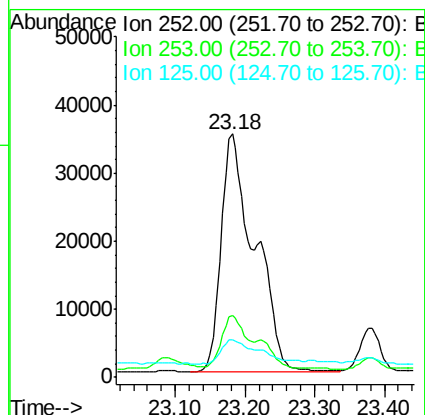
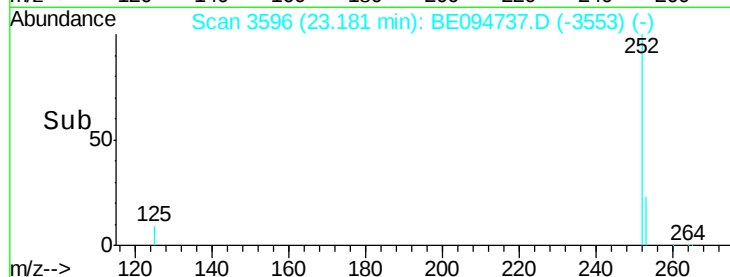
125 15.3 0.0 35.0



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: 3.25 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.05 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

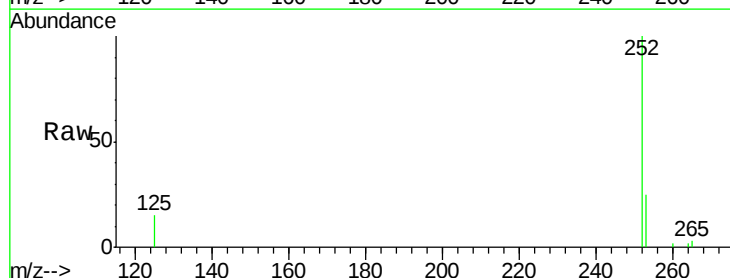
Tgt Ion:252 Resp: 117366

Ion Ratio Lower Upper

252 100

253 25.5 24.5 36.7

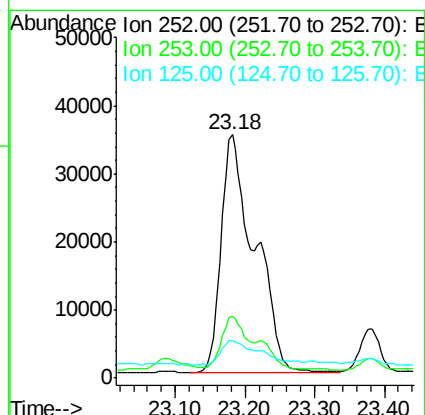
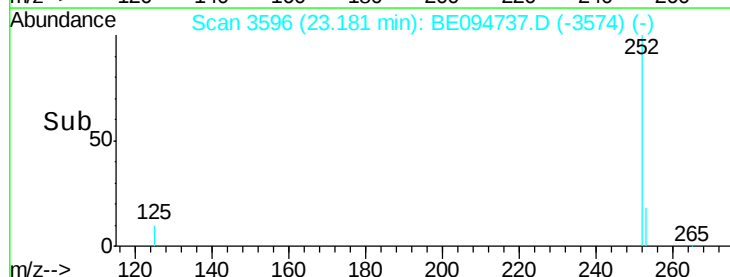
125 15.3 13.7 20.5

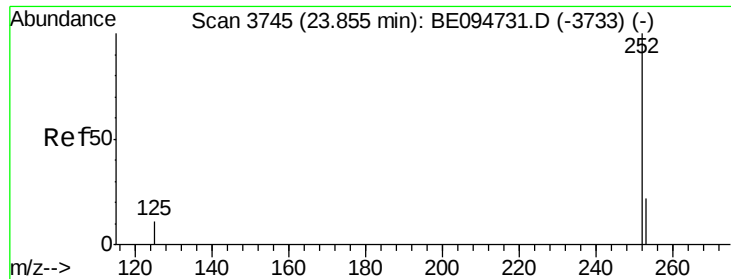


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.92 ng/ul

RT: 23.85 min Scan# 3742

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

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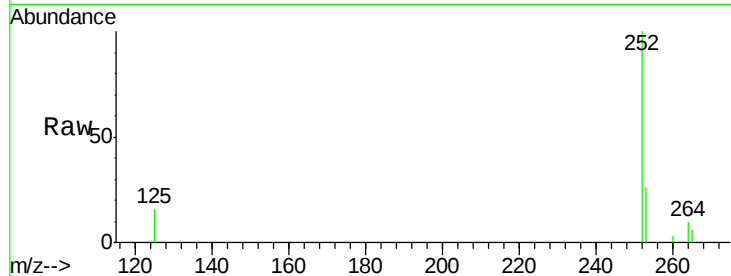
Tot Ion:252 Resp: 64842

Ion Ratio Lower Upper

252 100

253 25.8 28.5 42.7#

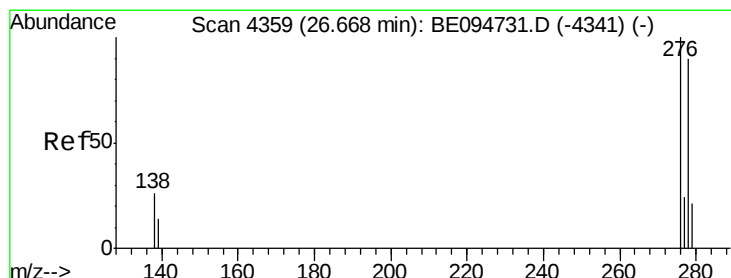
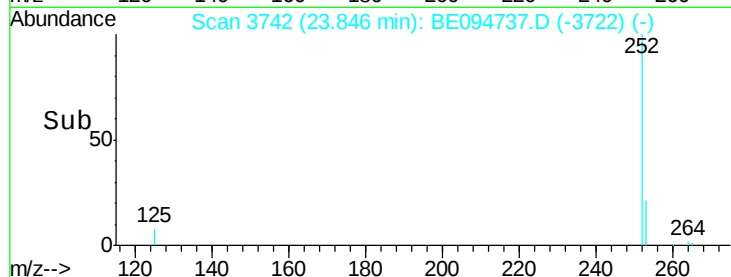
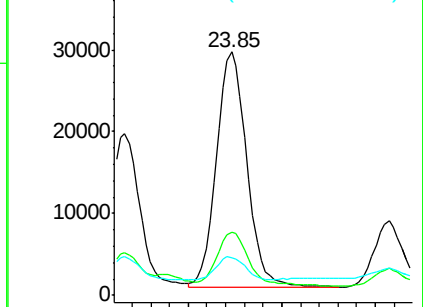
125 15.7 18.1 27.1#



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: 1.02 ng/ul

RT: 26.66 min Scan# 4356

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

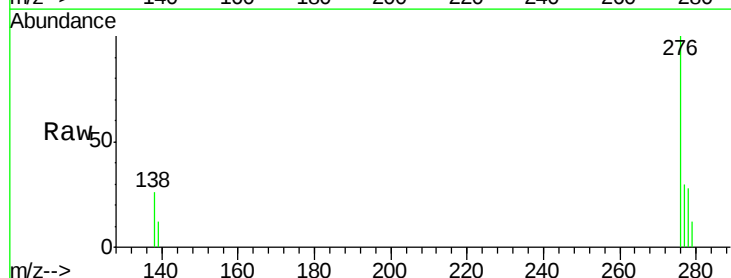
Tgt Ion:276 Resp: 35642

Ion Ratio Lower Upper

276 100

138 18.6 28.0 42.0#

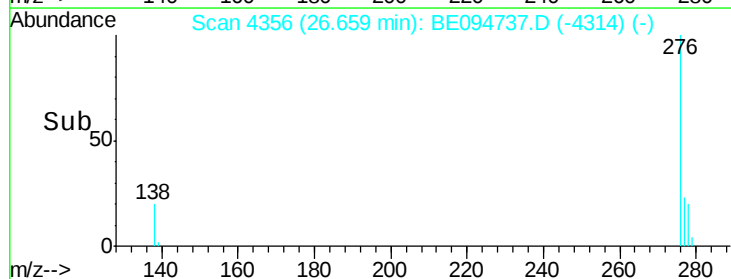
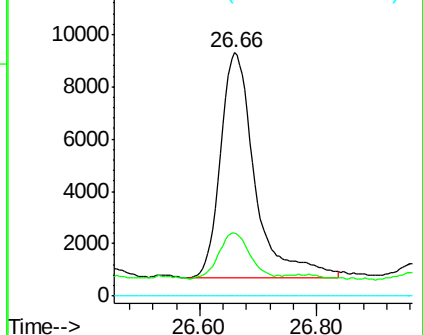
227 0.0 8.0 12.0#

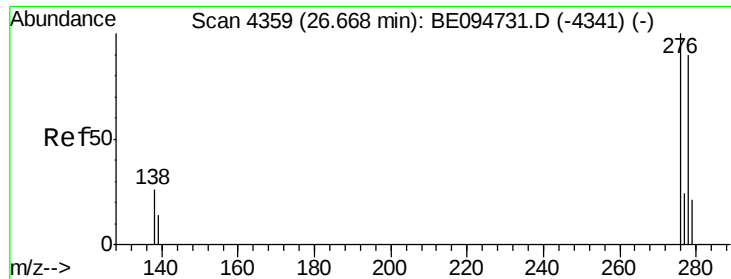


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.28 ng/ul

RT: 26.65 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

Instrument :

BNA_E

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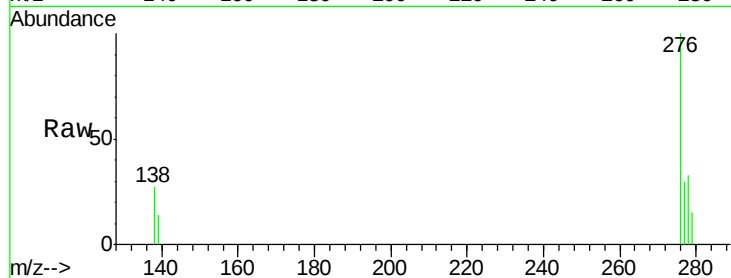
Tot Ion:278 Resp: 8109

Ion Ratio Lower Upper

278 100

139 43.2 17.4 26.0#

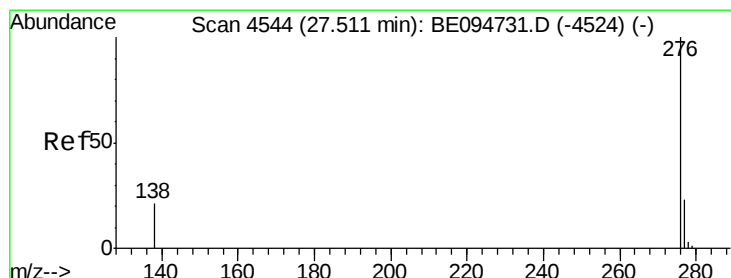
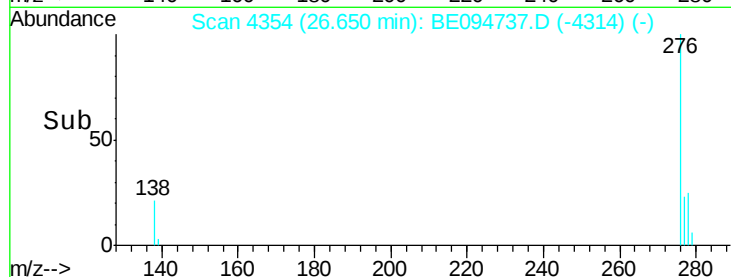
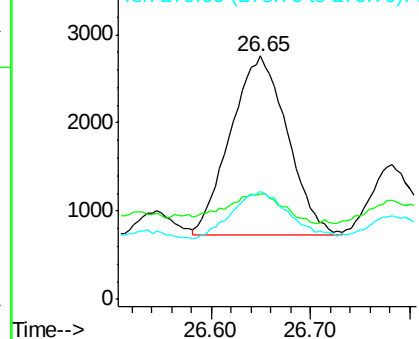
279 44.3 25.9 38.9#



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: 0.96 ng/ul

RT: 27.50 min Scan# 4541

Delta R.T. -0.01 min

Lab File: BE094737.D

Acq: 4 Nov 2017 8:42

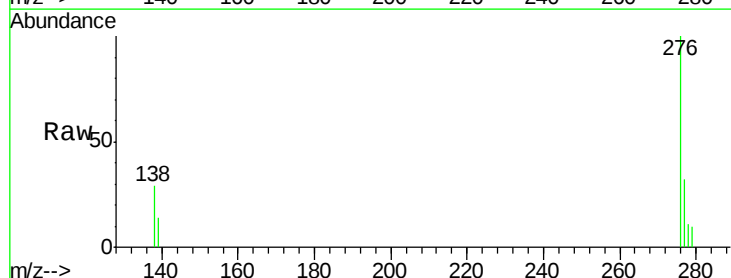
Tgt Ion:276 Resp: 26797

Ion Ratio Lower Upper

276 100

138 28.8 21.8 32.8

277 32.1 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

