

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094268.D
 Acq On : 11 Oct 2017 1:37
 Operator : SJ/JU
 Sample : I5522-17DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 11 07:34:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

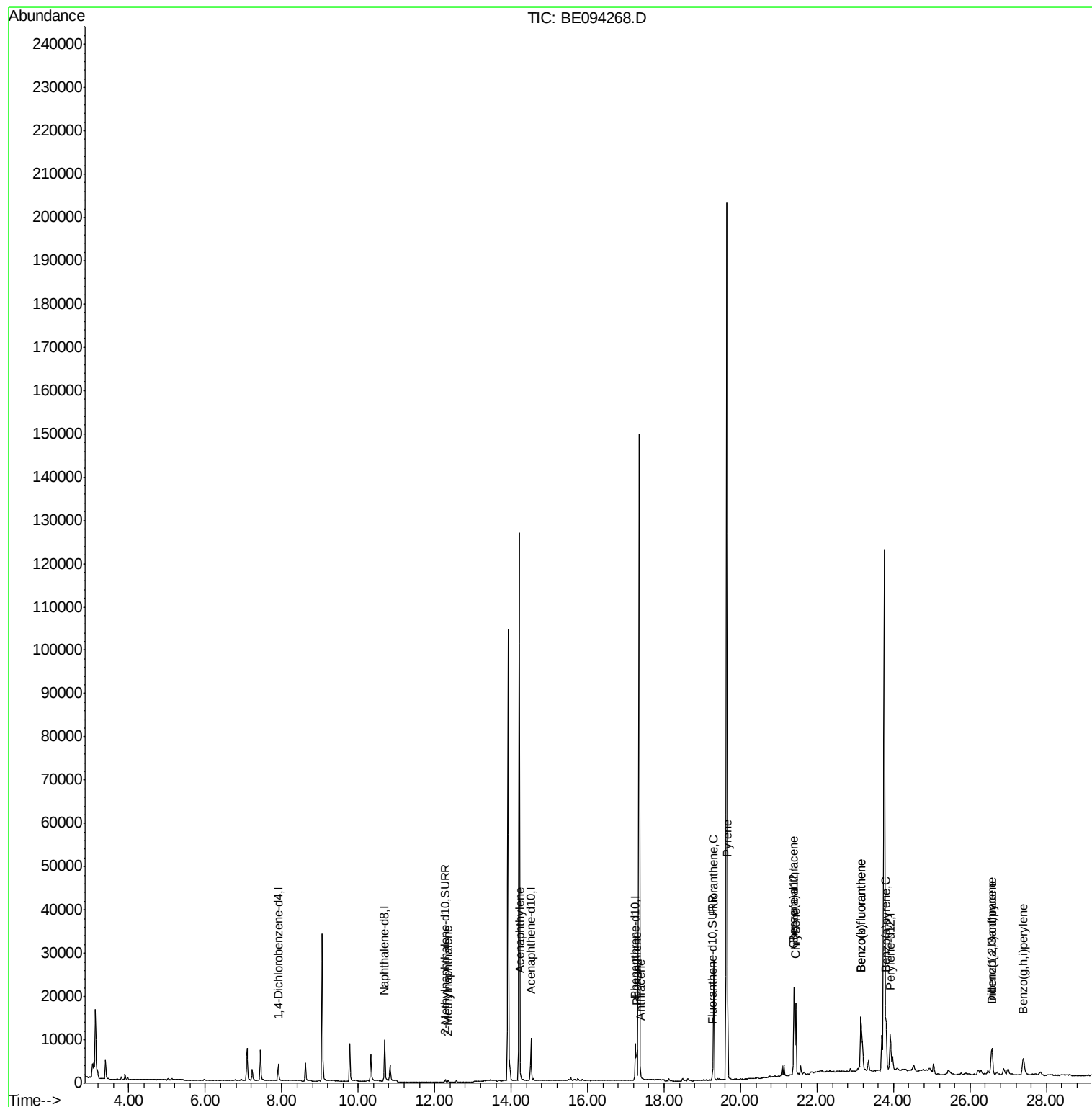
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1994	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	10075	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5585	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	12085	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12582	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	12638	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1016	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2389	0.06	ng/ul	0.00
Target Compounds				Ovalue		
5) 2-Methylnaphthalene	12.35	142	329	0.021	ng/ul	95
7) Acenaphthylene	14.24	152	762	0.035	ng/ul#	75
12) Phenanthrene	17.29	178	10026	0.317	ng/ul	95
13) Anthracene	17.38	178	2720	0.089	ng/ul	97
15) Fluoranthene	19.30	202	30175	0.727	ng/ul	84
17) Pyrene	19.66	202	30619	0.875	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	17167	0.514	ng/ul#	87
19) Chrysene	21.45	228	17501	0.454	ng/ul	95
21) Benzo(b)fluoranthene	23.14	252	32187	0.938	ng/ul	92
22) Benzo(k)fluoranthene	23.14	252	32184	0.811	ng/ul	93
23) Benzo(a)pyrene	23.80	252	17746	0.497	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.57	276	11309	0.310	ng/ul#	80
25) Dibenzo(a,h)anthracene	26.58	278	3082	0.101	ng/ul#	56
26) Benzo(g,h,i)perylene	27.39	276	10405	0.331	ng/ul#	89

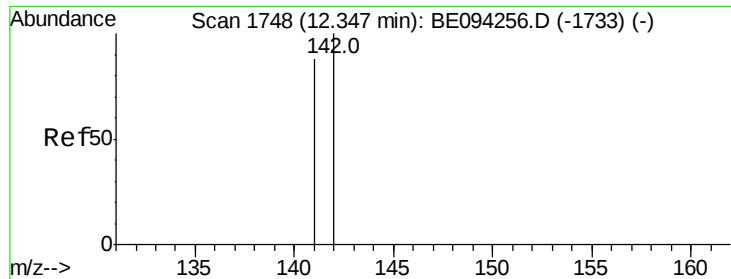
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 12.35 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

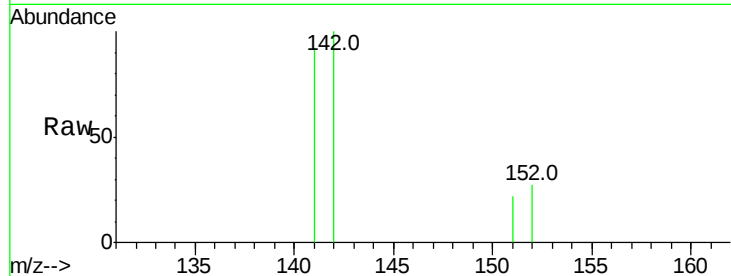
ClientSampleId :

Tot Ion:142 Resp: 329

Ion Ratio Lower Upper

142 100

141 86.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.35

250

200

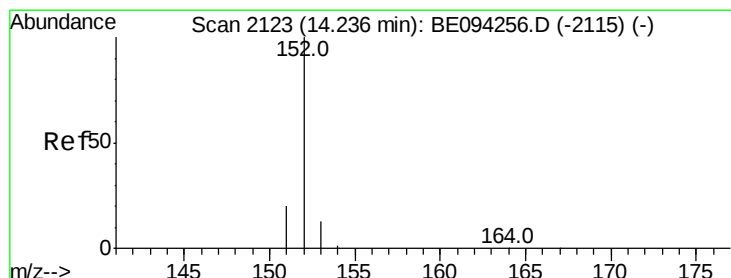
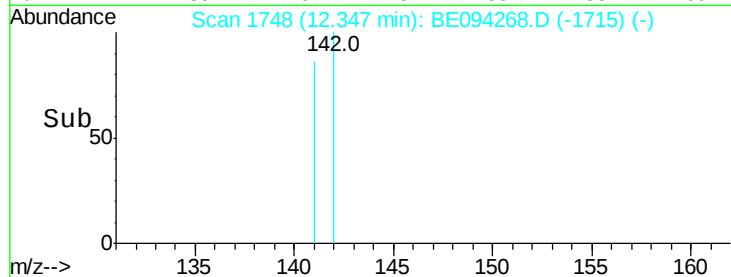
150

100

50

0

Time-->



#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

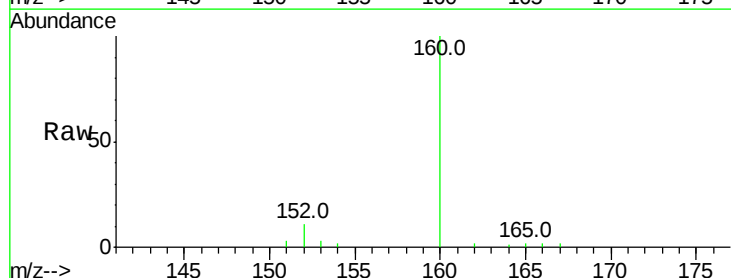
Tgt Ion:152 Resp: 762

Ion Ratio Lower Upper

152 100

151 31.8 17.1 25.7#

153 28.5 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

14.24

500

400

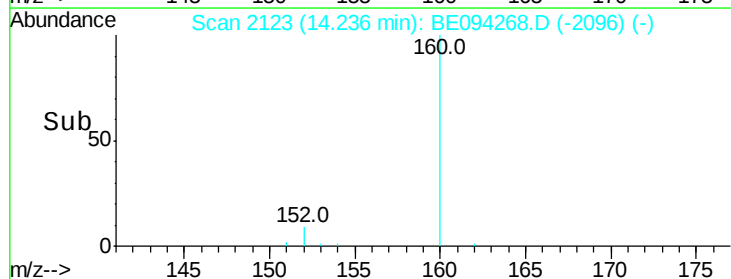
300

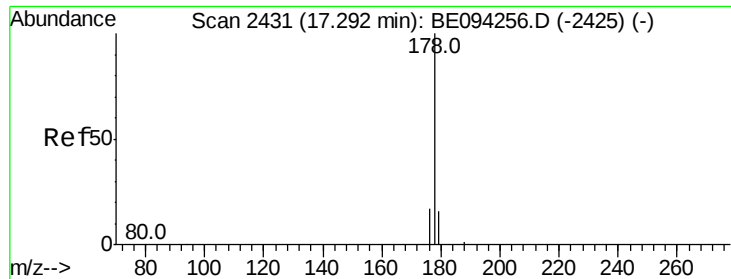
200

100

0

Time-->





#12

Phenanthrene

Concen: 0.317 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

ClientSampleId :

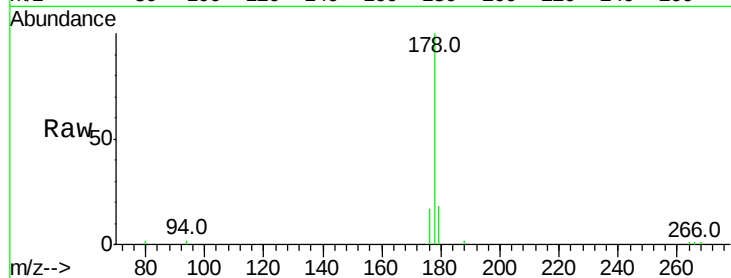
Tot Ion:178 Resp: 10026

Ion Ratio Lower Upper

178 100

179 18.5 18.4 27.6

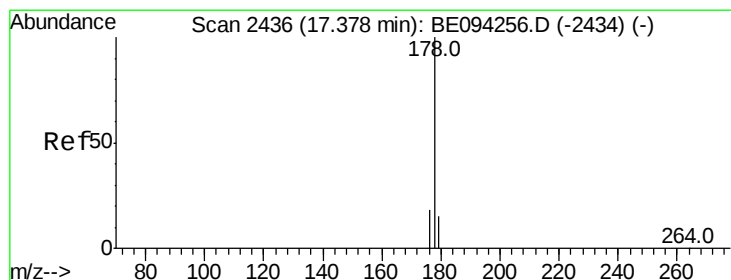
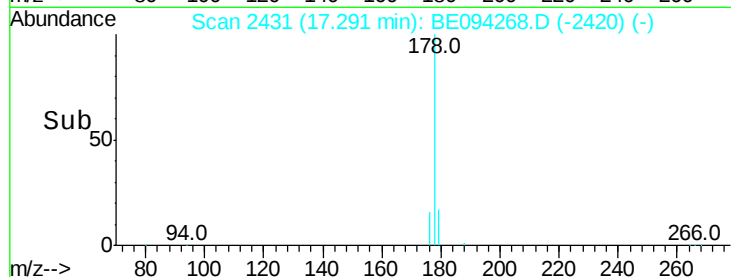
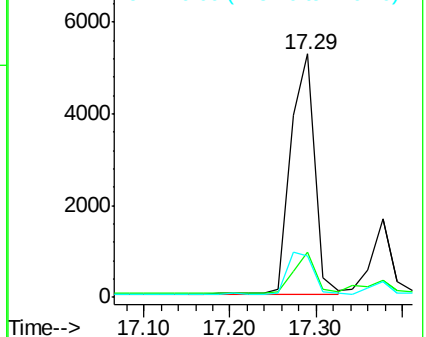
176 16.9 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.089 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

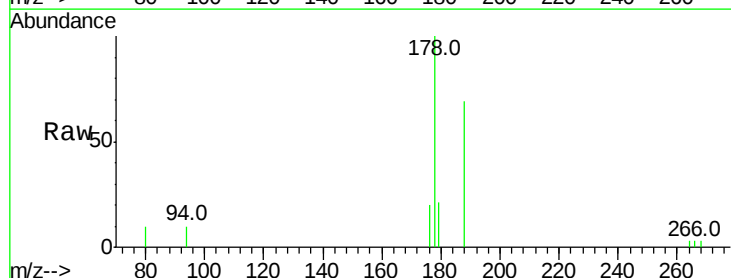
Tgt Ion:178 Resp: 2720

Ion Ratio Lower Upper

178 100

179 21.3 18.1 27.1

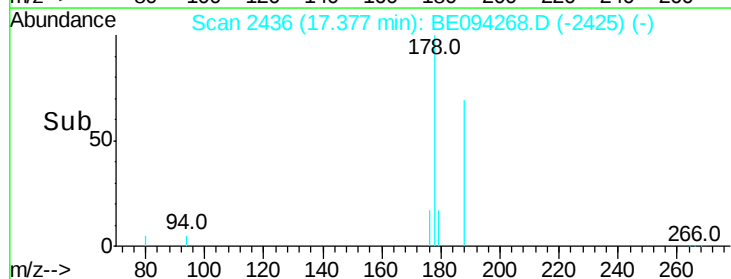
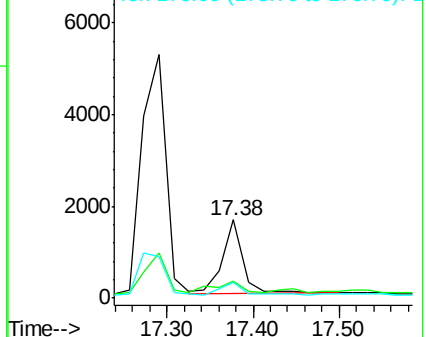
176 20.1 14.7 22.1

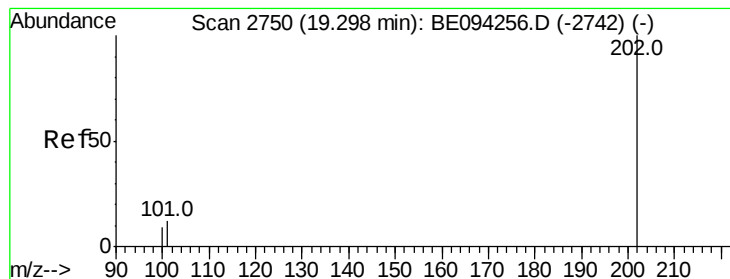


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.727 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

ClientSampleId :

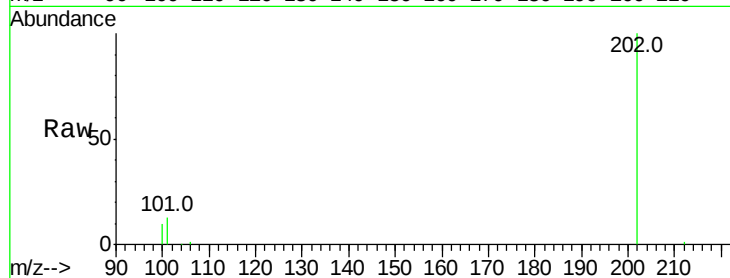
Tot Ion:202 Resp: 30175

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.3

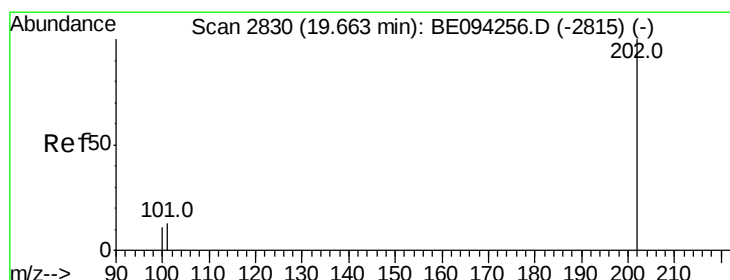
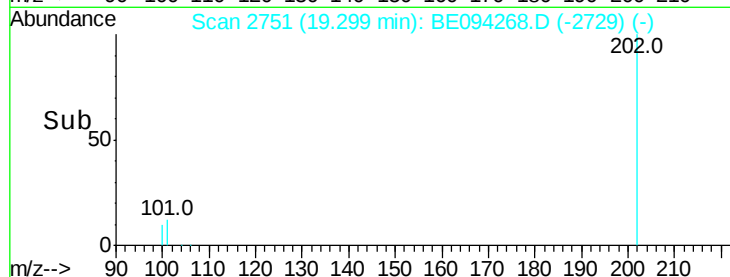
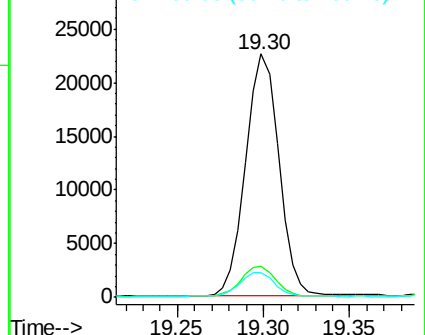
100 10.1 0.0 39.5



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: 0.875 ng/ul

RT: 19.66 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

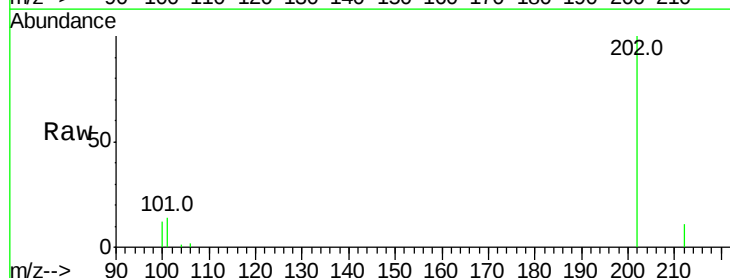
Tgt Ion:202 Resp: 30619

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

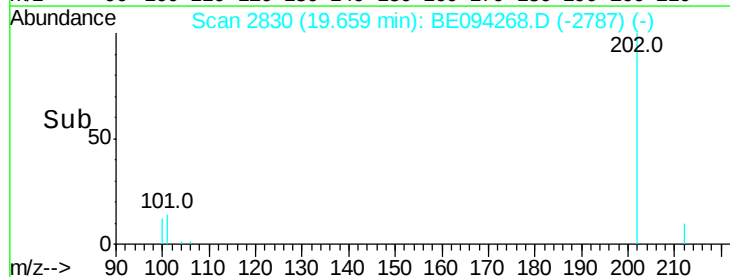
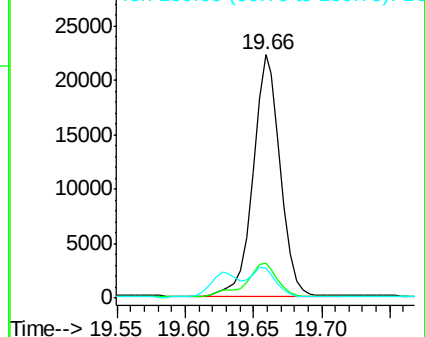
100 12.4 15.6 23.4#

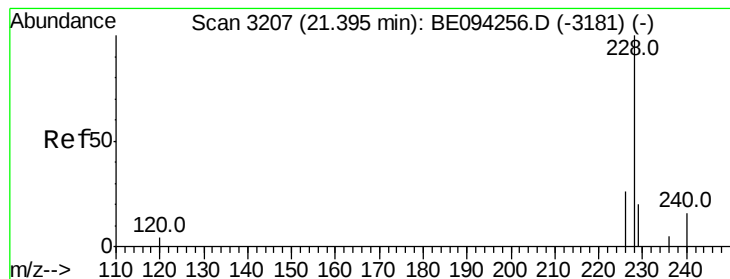


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.514 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

ClientSampleId :

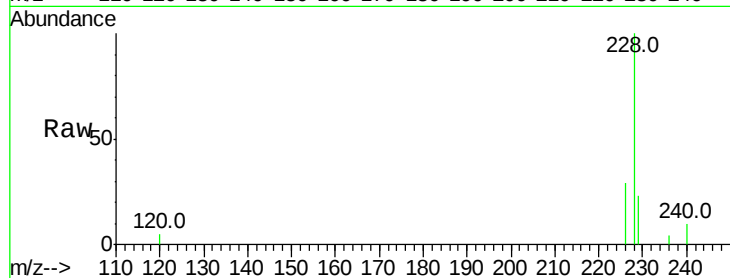
Tot Ion:228 Resp: 17167

Ion Ratio Lower Upper

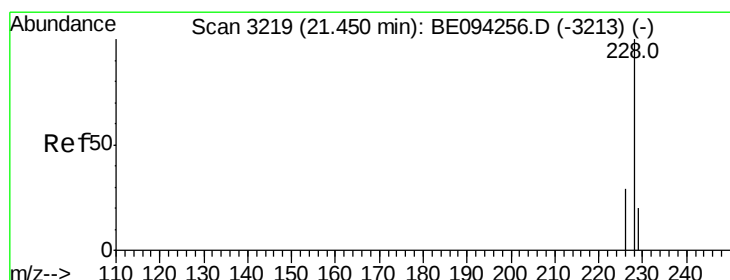
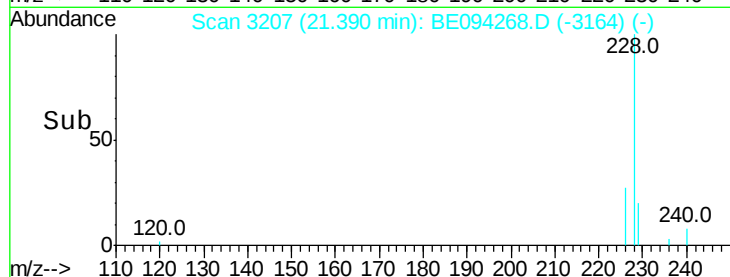
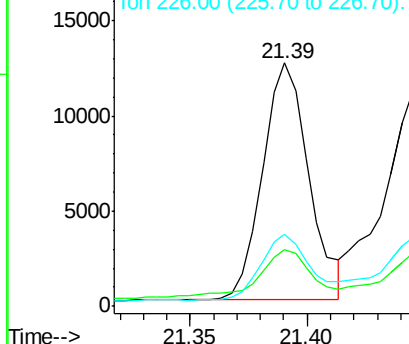
228 100

229 23.1 22.8 34.2

226 29.4 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: 0.454 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

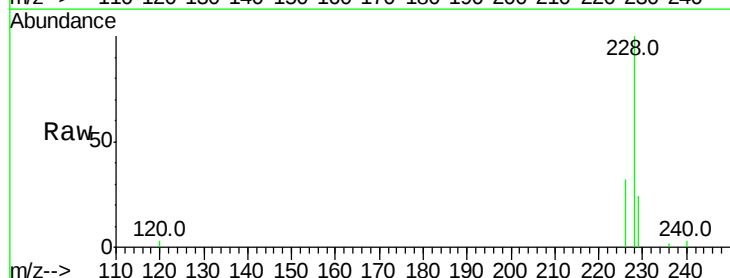
Tgt Ion:228 Resp: 17501

Ion Ratio Lower Upper

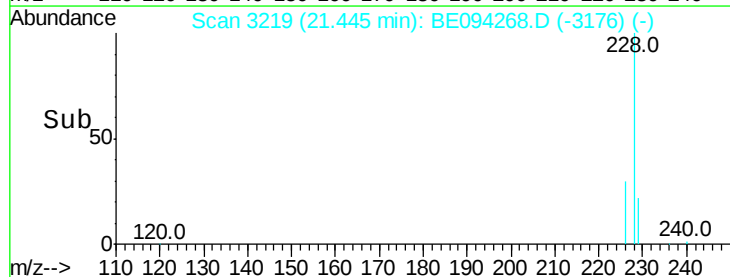
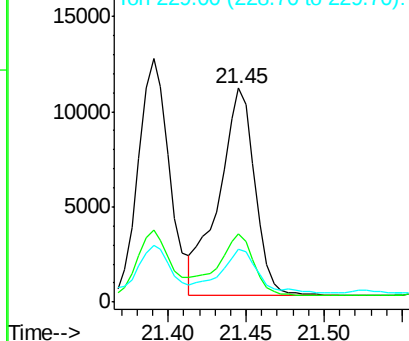
228 100

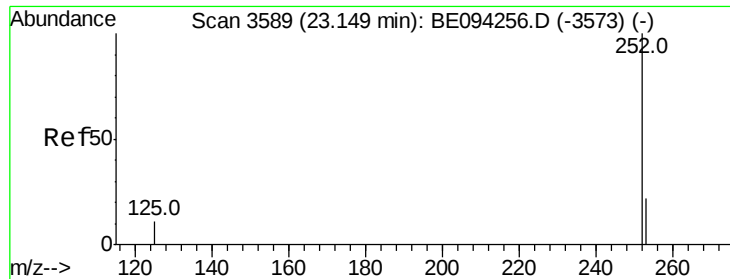
226 32.1 23.4 35.0

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: 0.938 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

ClientSampleId :

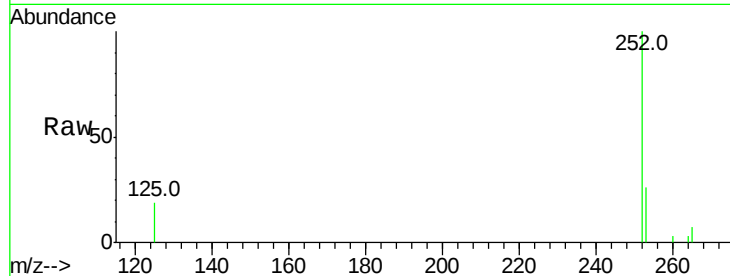
Tot Ion:252 Resp: 32187

Ion Ratio Lower Upper

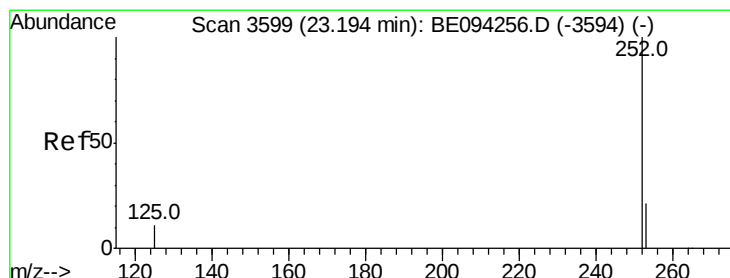
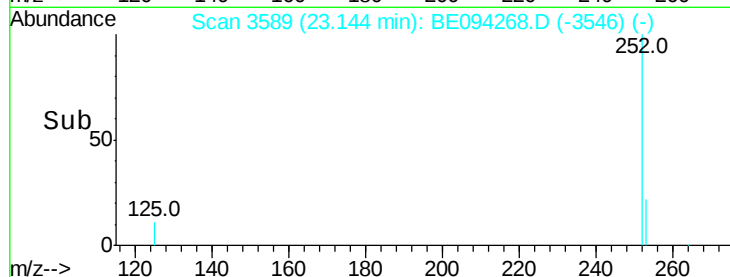
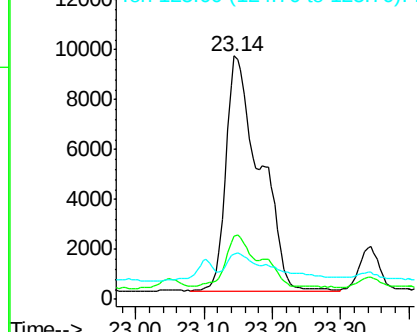
252 100

253 26.2 0.0 64.2

125 18.8 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: 0.811 ng/ul

RT: 23.14 min Scan# 3589

Delta R.T. -0.05 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

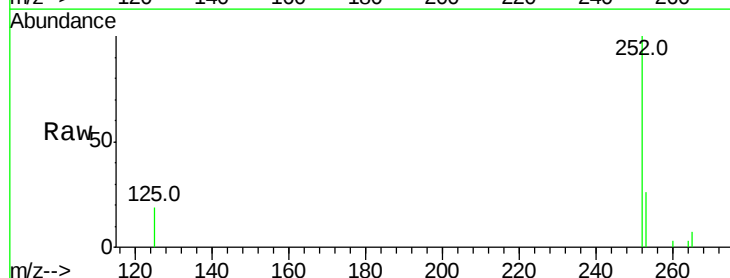
Tgt Ion:252 Resp: 32184

Ion Ratio Lower Upper

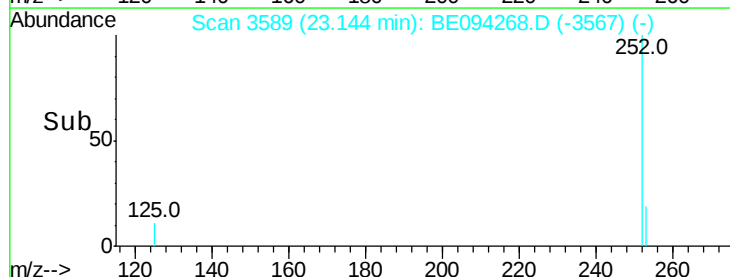
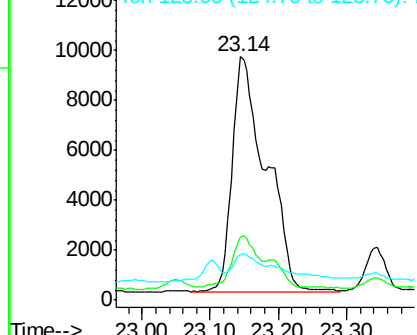
252 100

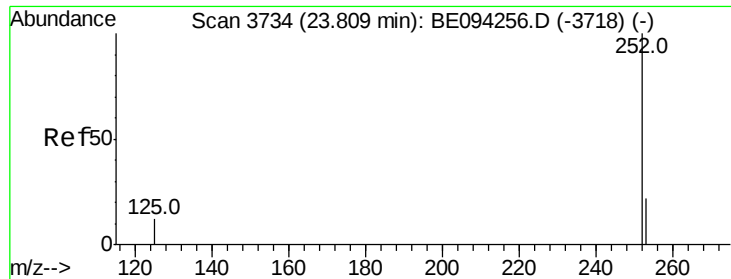
253 26.2 24.5 36.7

125 18.8 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: 0.497 ng/ul

RT: 23.80 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

ClientSampled :

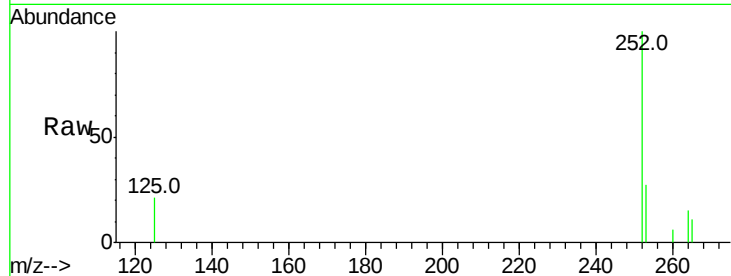
Tot Ion:252 Resp: 17746

Ion Ratio Lower Upper

252 100

253 27.1 28.5 42.7#

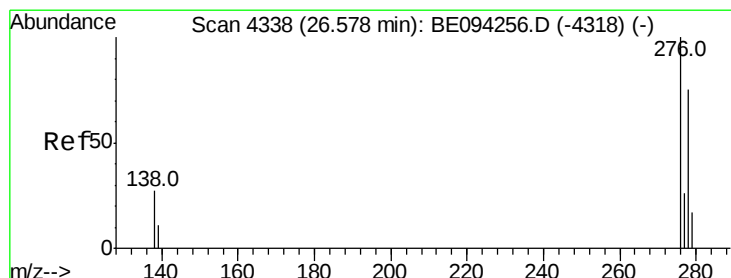
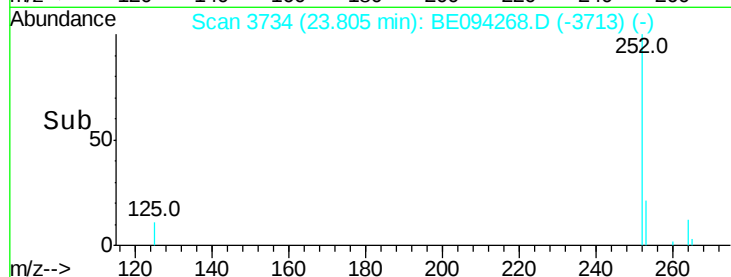
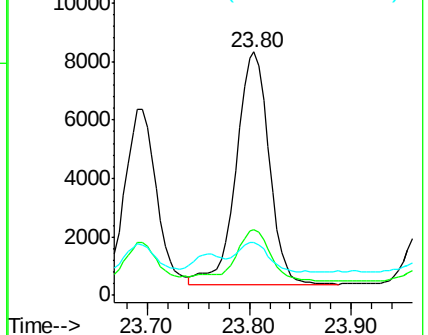
125 21.5 18.1 27.1



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: 0.310 ng/ul

RT: 26.57 min Scan# 4338

Delta R.T. -0.01 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

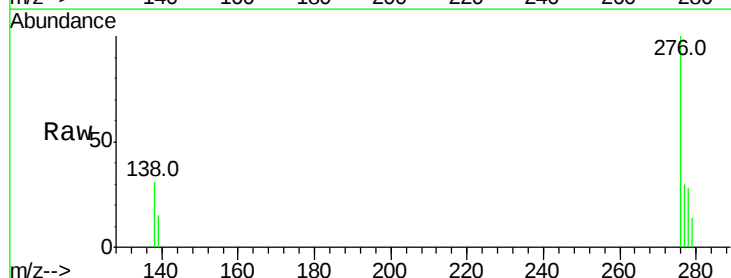
Tgt Ion:276 Resp: 11309

Ion Ratio Lower Upper

276 100

138 24.4 28.0 42.0#

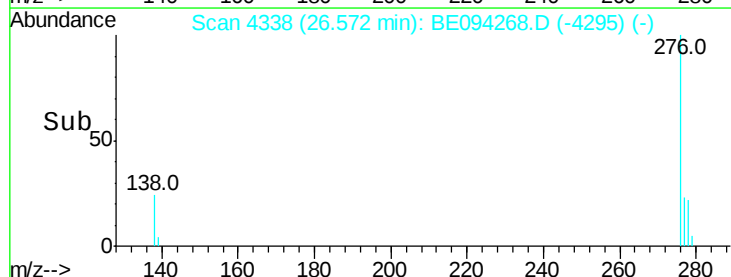
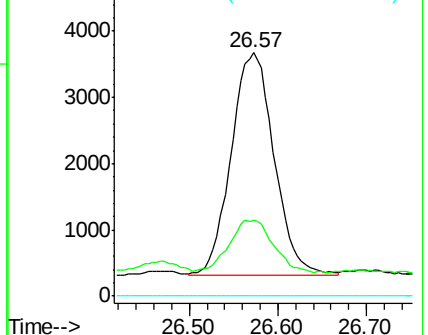
227 0.0 8.0 12.0#

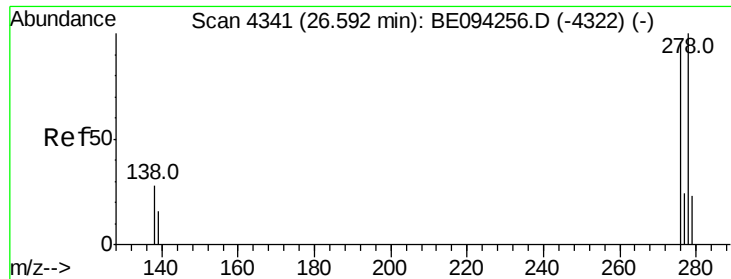


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.101 ng/ul

RT: 26.58 min Scan# 4339

Delta R.T. -0.02 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

Instrument :

BNA_E

ClientSampleId :

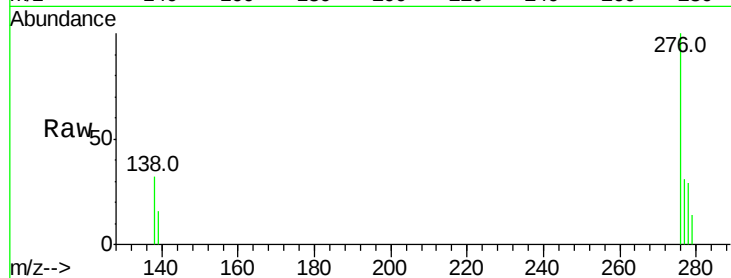
Tot Ion:278 Resp: 3082

Ion Ratio Lower Upper

278 100

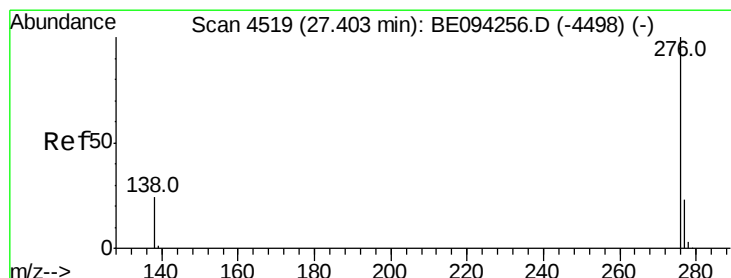
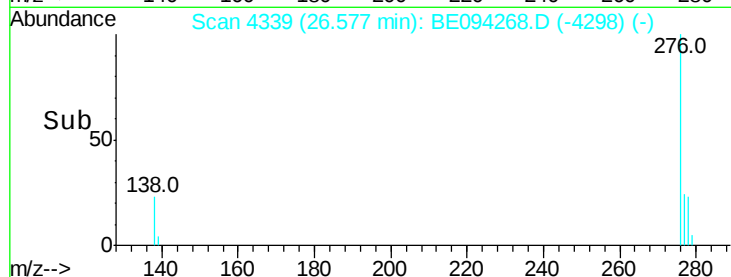
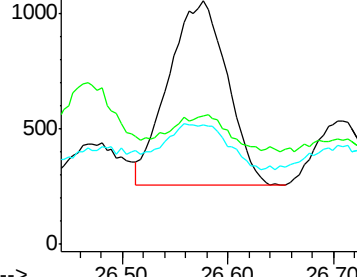
139 52.8 17.4 26.0#

279 49.1 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

26.58



#26

Benzo(g,h,i)perylene

Concen: 0.331 ng/ul

RT: 27.39 min Scan# 4518

Delta R.T. -0.01 min

Lab File: BE094268.D

Acq: 11 Oct 2017 1:37

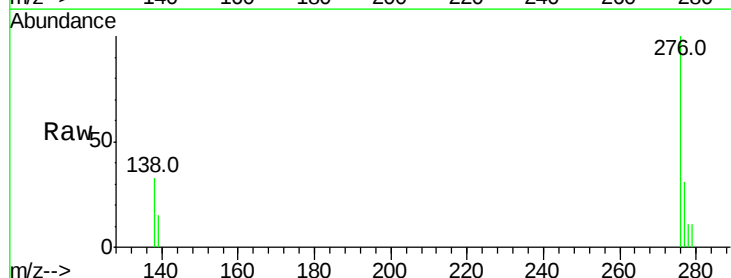
Tgt Ion:276 Resp: 10405

Ion Ratio Lower Upper

276 100

138 33.3 21.8 32.8#

277 30.9 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

27.39

