

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
 Data File : BE094389.D
 Acq On : 15 Oct 2017 12:35
 Operator : SJ/JU
 Sample : I5548-03DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 16 06:55:05 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 06:50:03 2017
 Response via : Initial Calibration

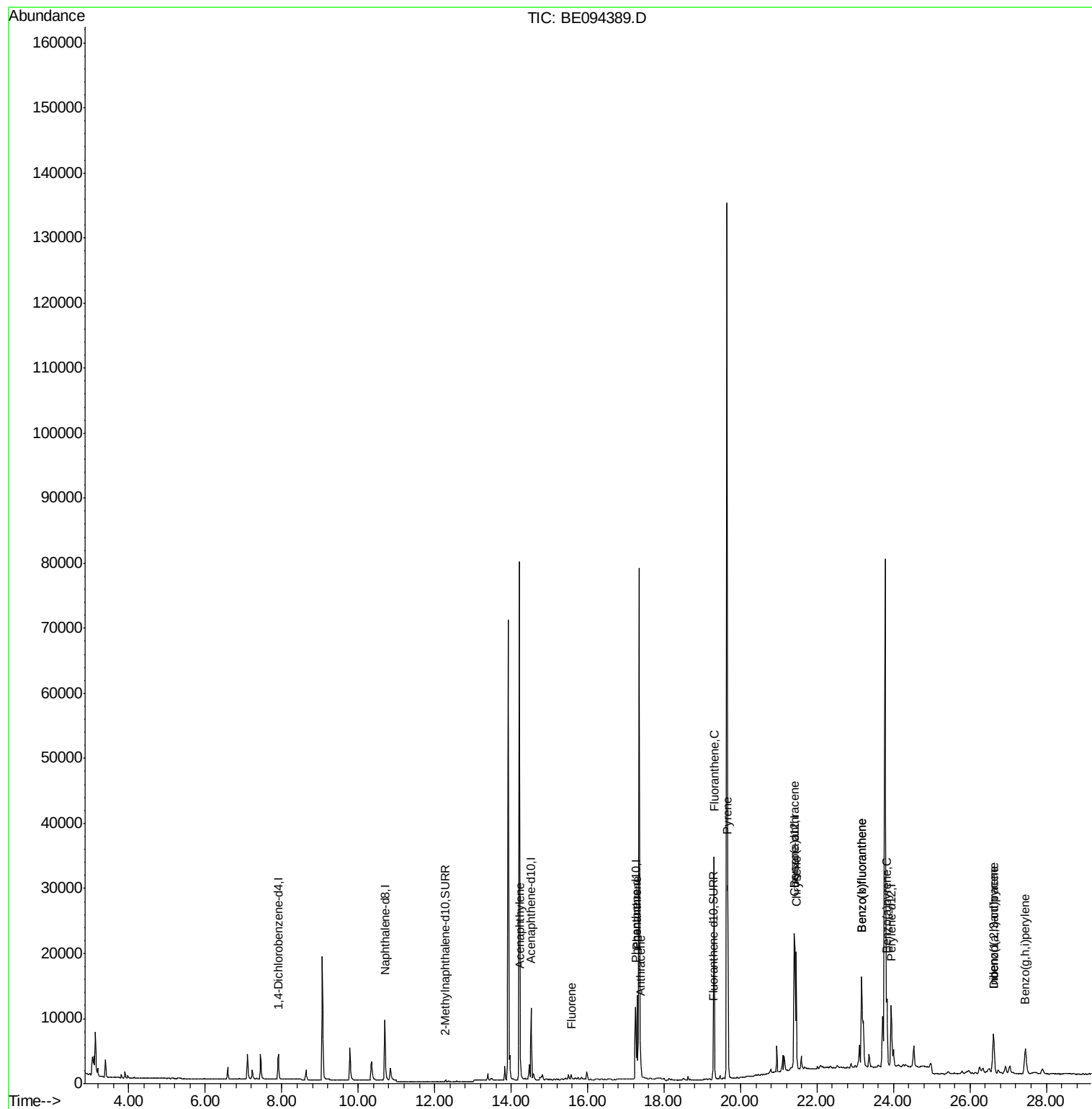
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1966	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	10489	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	6378	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	14946	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	14903	0.40	ng/ul	0.00
20) Perylene-d12	23.94	264	14350	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	633	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1657	0.03	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	14.24	152	662	0.027	ng/ul#	75
9) Fluorene	15.57	166	515	0.021	ng/ul#	85
12) Phenanthrene	17.29	178	14104	0.361	ng/ul#	89
13) Anthracene	17.38	178	3301	0.087	ng/ul#	91
15) Fluoranthene	19.31	202	38445	0.749	ng/ul	84
17) Pyrene	19.67	202	31616	0.762	ng/ul#	84
18) Benzo(a)anthracene	21.40	228	17153	0.434	ng/ul#	89
19) Chrysene	21.46	228	19902	0.436	ng/ul	96
21) Benzo(b)fluoranthene	23.17	252	34239	0.878	ng/ul	92
22) Benzo(k)fluoranthene	23.17	252	34239	0.760	ng/ul	94
23) Benzo(a)pyrene	23.83	252	15502	0.383	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.61	276	11318	0.273	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.61	278	3042	0.088	ng/ul#	60
26) Benzo(g,h,i)perylene	27.45	276	9562	0.268	ng/ul#	91

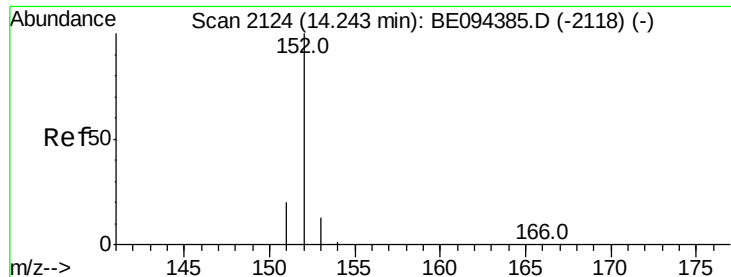
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.027 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

Instrument :

BNA_E

ClientSampled :

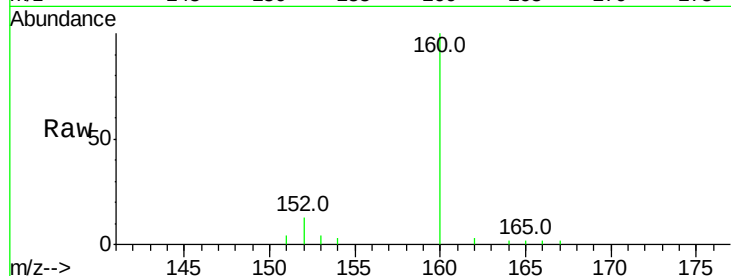
Tot Ion:152 Resp: 662

Ion Ratio Lower Upper

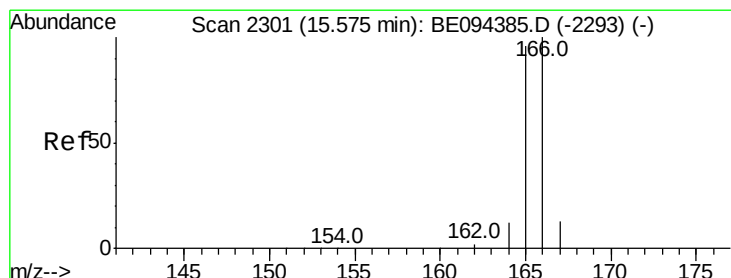
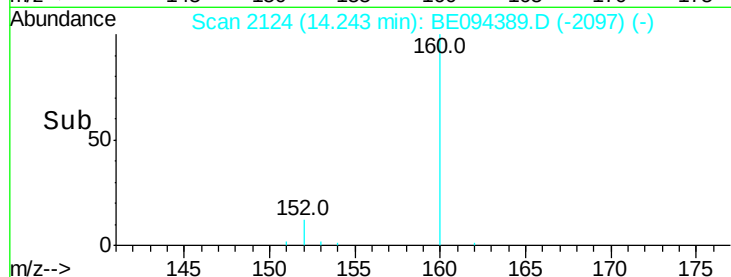
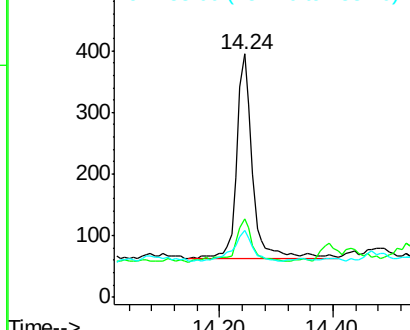
152 100

151 32.2 17.1 25.7#

153 27.6 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



#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

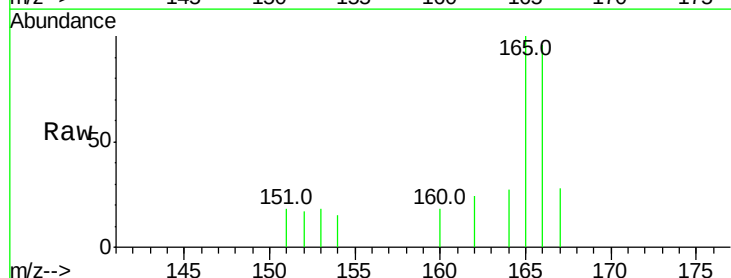
Tgt Ion:166 Resp: 515

Ion Ratio Lower Upper

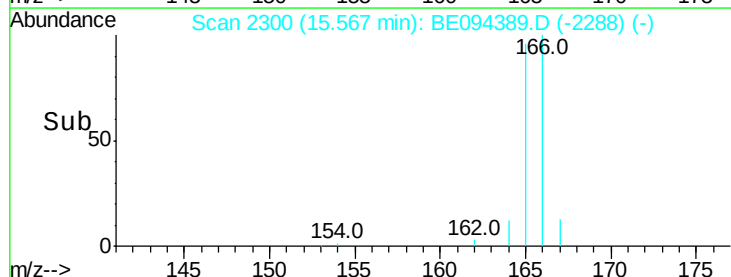
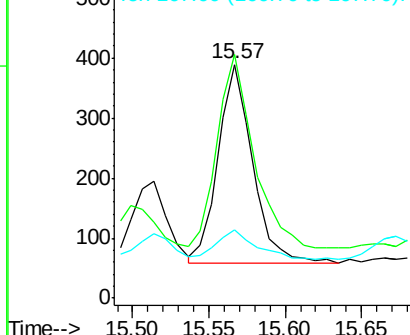
166 100

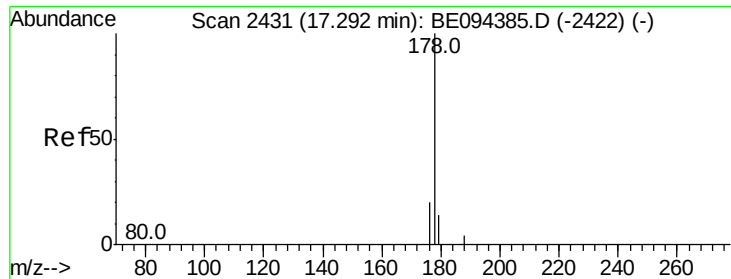
165 104.1 73.4 110.2

167 29.0 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





#12

Phenanthrene

Concen: 0.361 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

Instrument :

BNA_E

ClientSampleId :

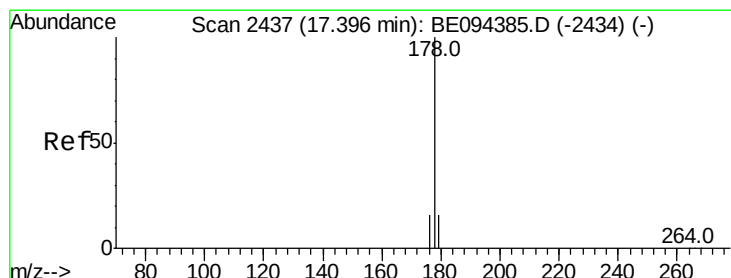
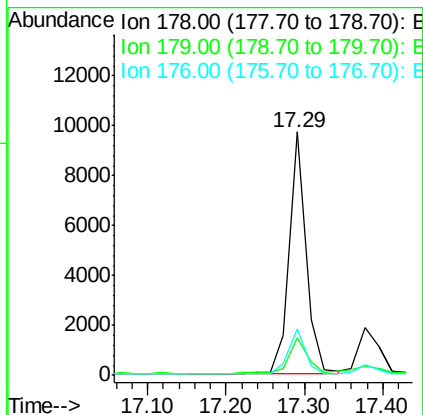
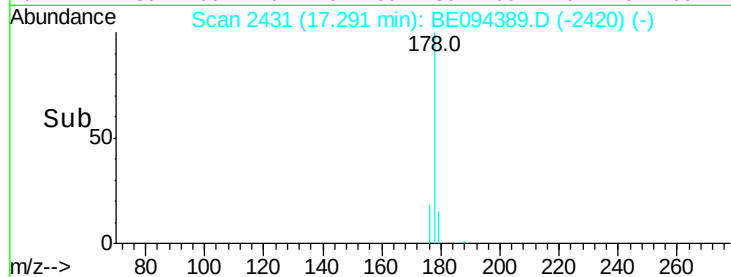
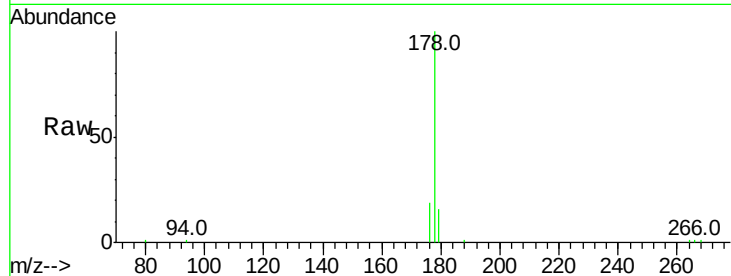
Tot Ion:178 Resp: 14104

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 19.0 13.6 20.4



#13

Anthracene

Concen: 0.087 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

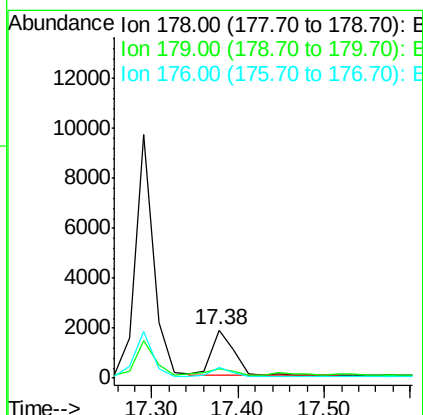
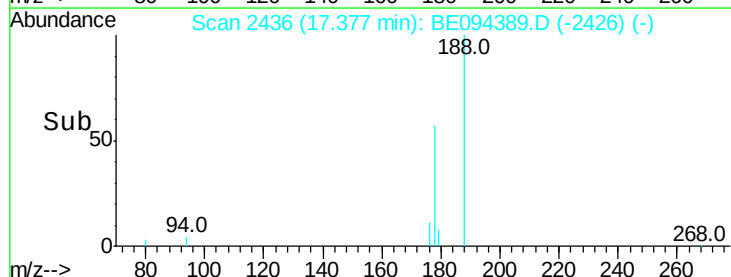
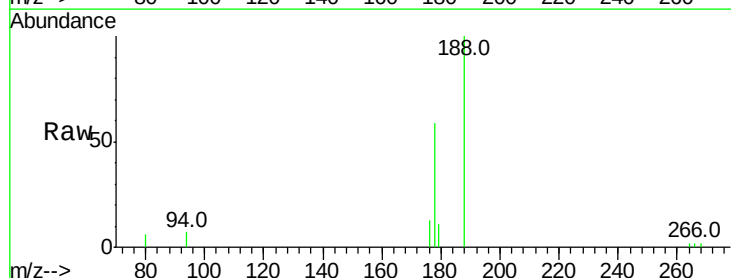
Tgt Ion:178 Resp: 3301

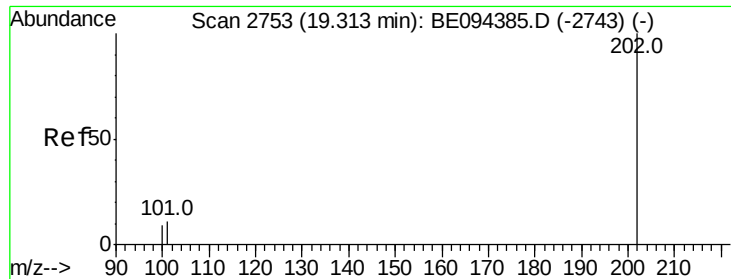
Ion Ratio Lower Upper

178 100

179 18.7 18.1 27.1

176 22.8 14.7 22.1#

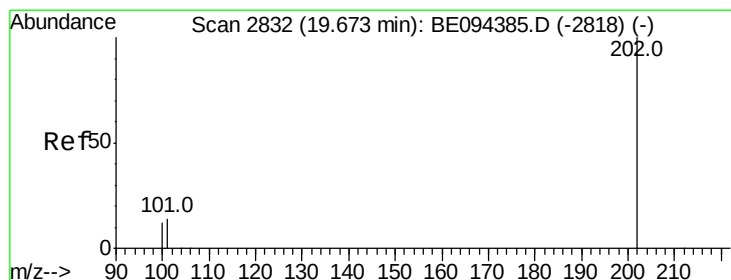
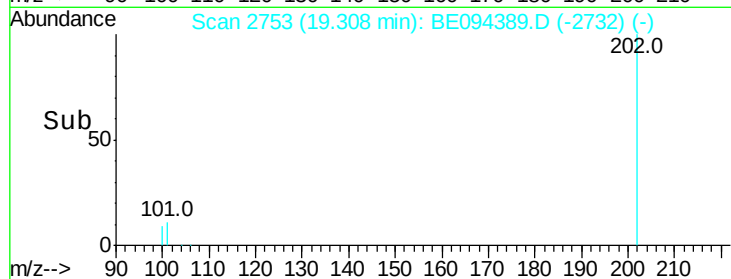
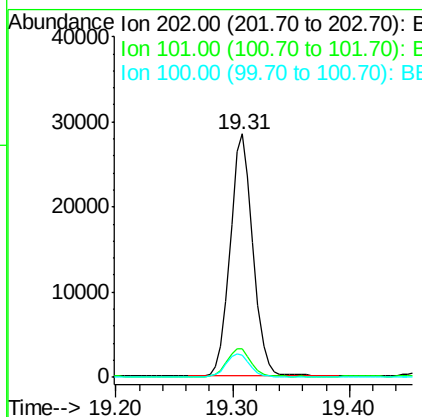
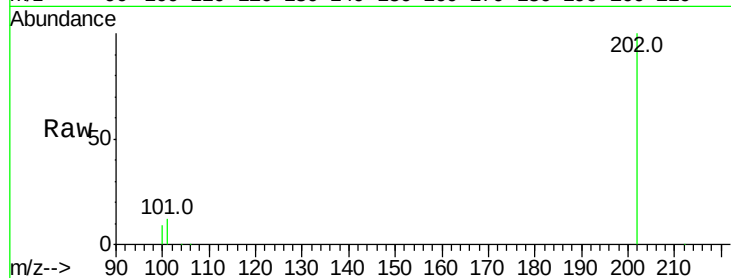




#15
Fluoranthene
 Concen: 0.749 ng/ul
 RT: 19.31 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: BE094389.D
 Acq: 15 Oct 2017 12:35

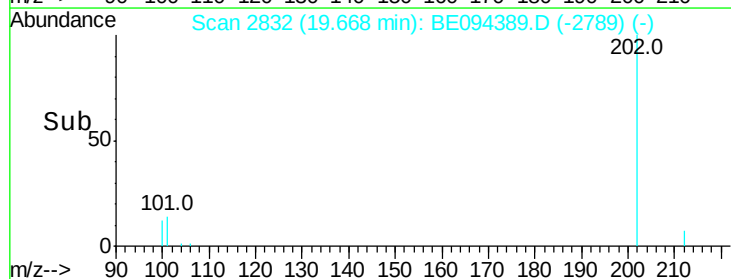
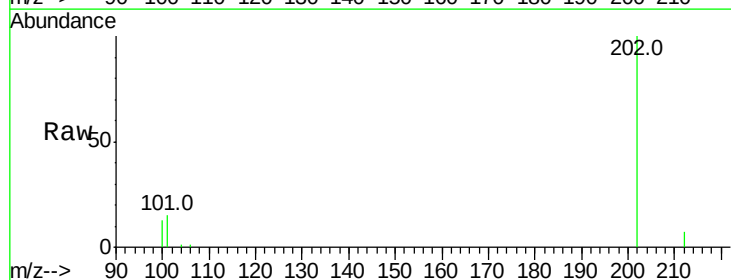
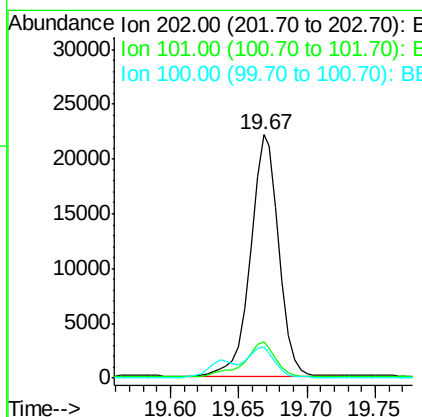
Instrument :
 BNA_E
 ClientSampleId :

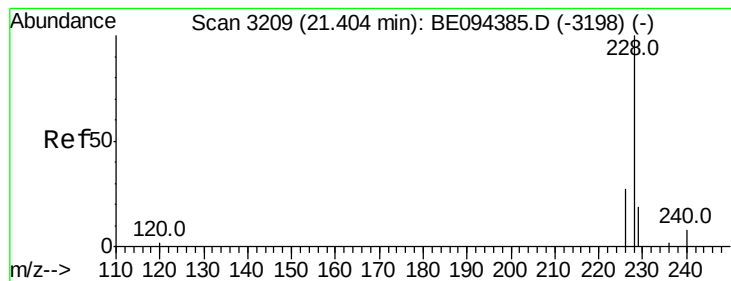
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.3
100	9.2	0.0	39.5



#17
Pyrene
 Concen: 0.762 ng/ul
 RT: 19.67 min Scan# 2832
 Delta R.T. -0.00 min
 Lab File: BE094389.D
 Acq: 15 Oct 2017 12:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	18.2	27.4#
100	12.6	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.434 ng/ul

RT: 21.40 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

Instrument :

BNA_E

ClientSampleId :

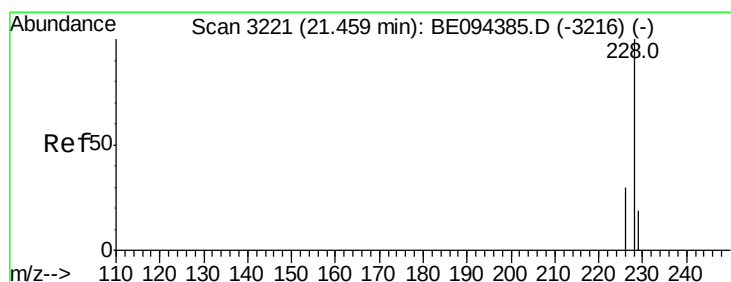
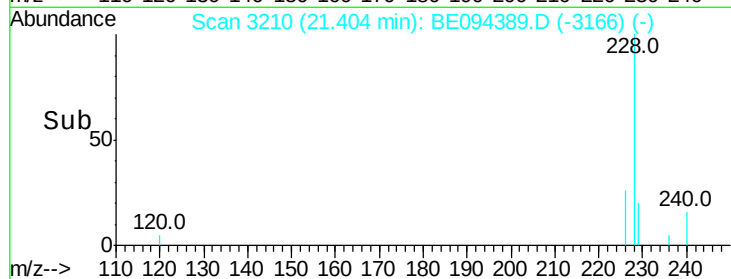
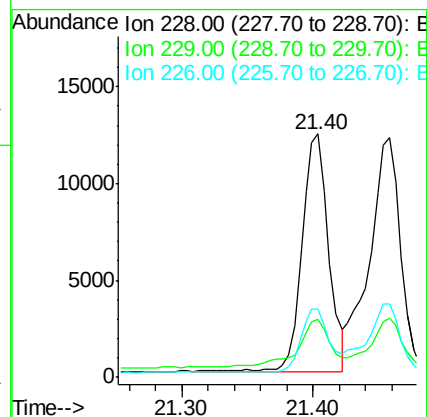
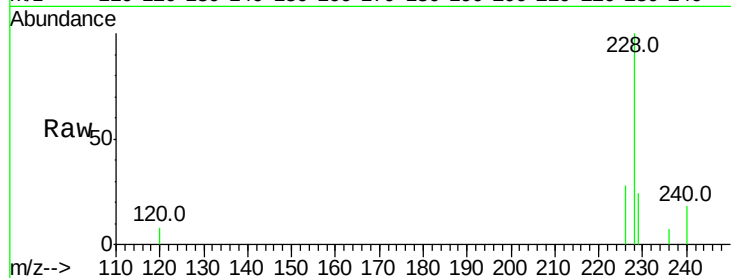
Tot Ion:228 Resp: 17153

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

226 28.0 17.0 25.6#



#19

Chrysene

Concen: 0.436 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

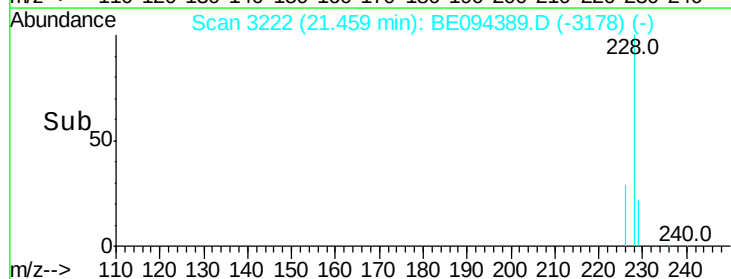
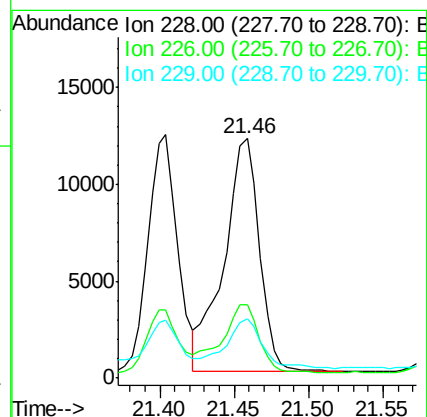
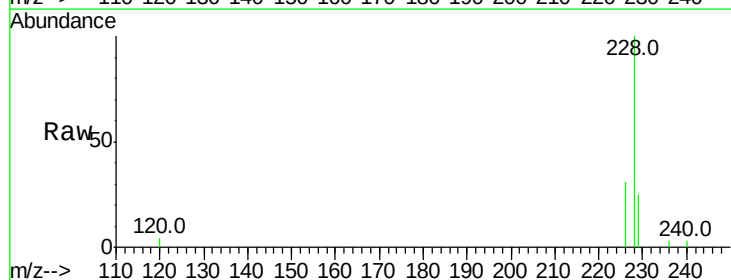
Tgt Ion:228 Resp: 19902

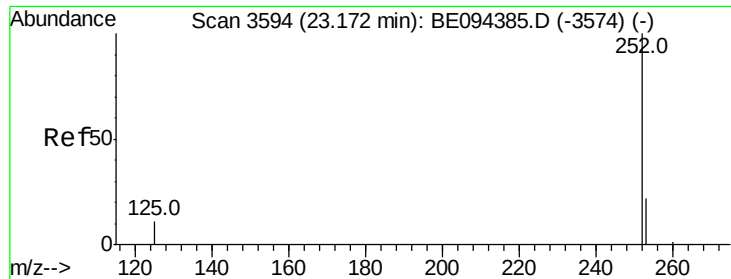
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 24.9 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.878 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

Instrument :

BNA_E

ClientSampleId :

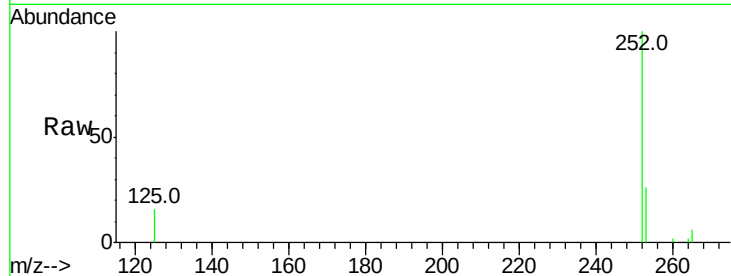
Tot Ion:252 Resp: 34239

Ion Ratio Lower Upper

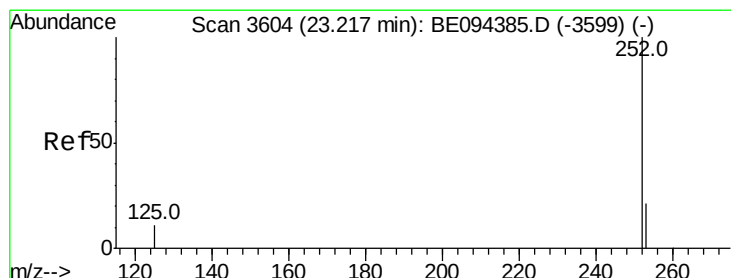
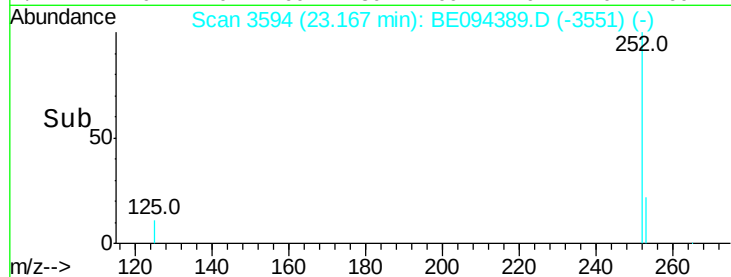
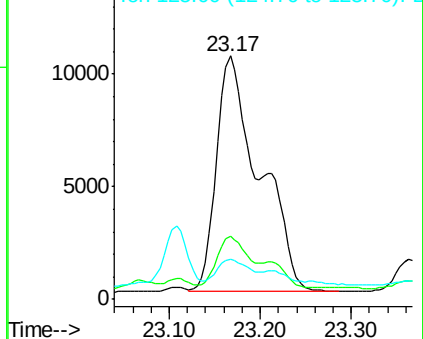
252 100

253 25.9 0.0 64.2

125 16.3 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: 0.760 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.05 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

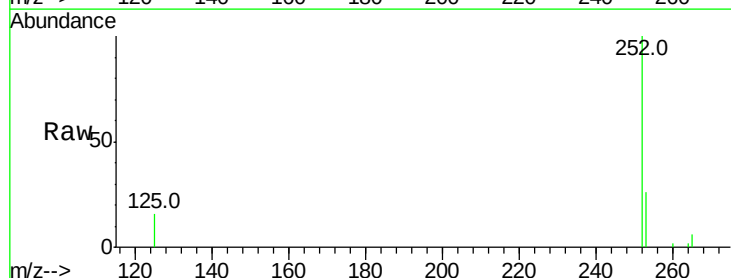
Tgt Ion:252 Resp: 34239

Ion Ratio Lower Upper

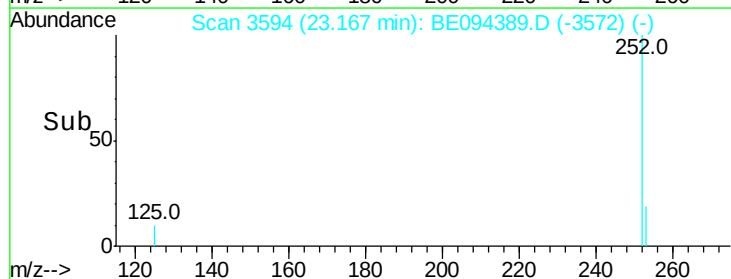
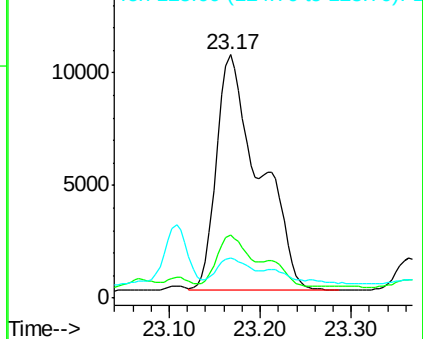
252 100

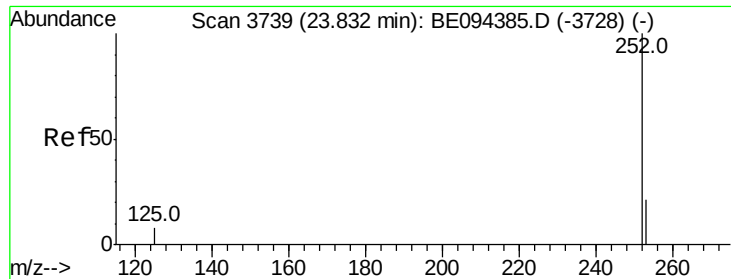
253 25.9 24.5 36.7

125 16.3 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: 0.383 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

Instrument :

BNA_E

ClientSampleId :

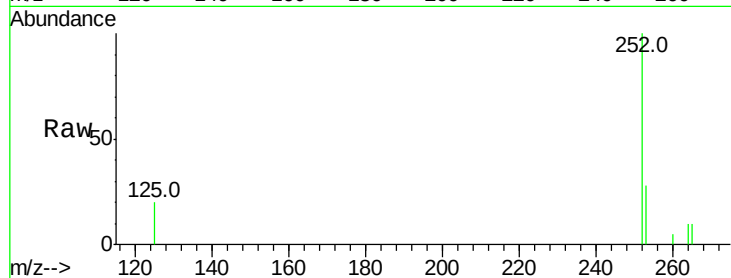
Tot Ion:252 Resp: 15502

Ion Ratio Lower Upper

252 100

253 27.6 28.5 42.7#

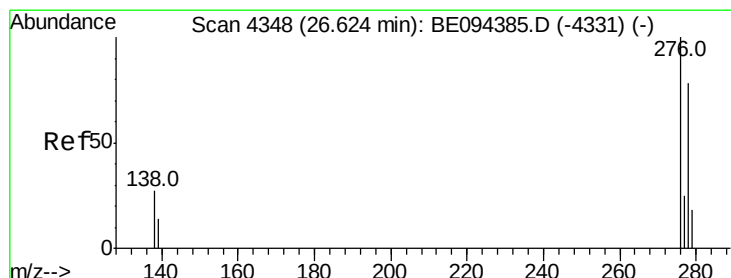
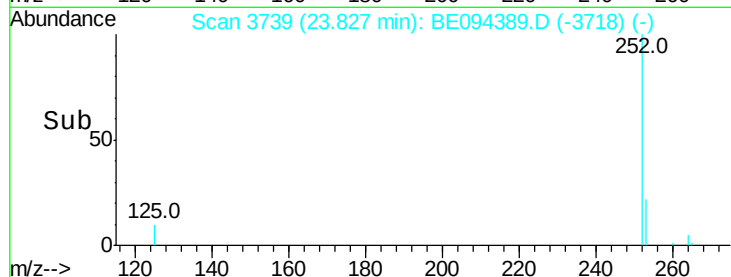
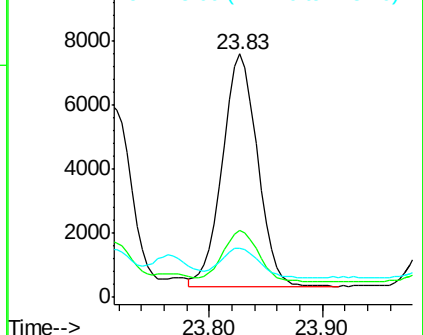
125 20.4 18.1 27.1



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: 0.273 ng/ul

RT: 26.61 min Scan# 4347

Delta R.T. -0.01 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

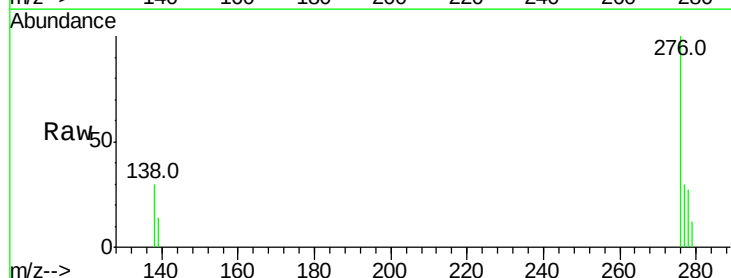
Tgt Ion:276 Resp: 11318

Ion Ratio Lower Upper

276 100

138 24.1 28.0 42.0#

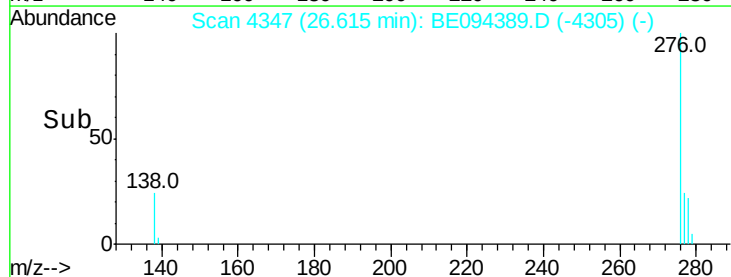
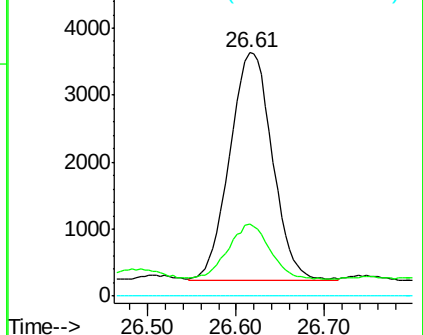
227 0.0 8.0 12.0#

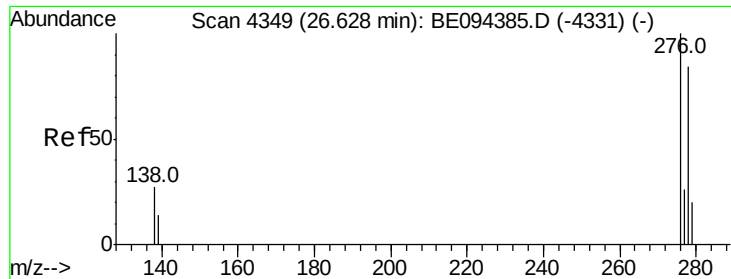


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.088 ng/ul

RT: 26.61 min Scan# 4347

Delta R.T. -0.01 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

Instrument :

BNA_E

ClientSampleId :

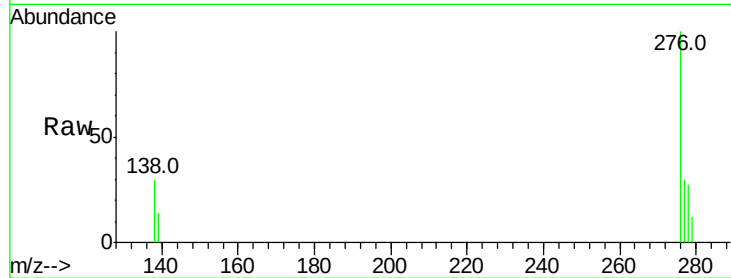
Tot Ion:278 Resp: 3042

Ion Ratio Lower Upper

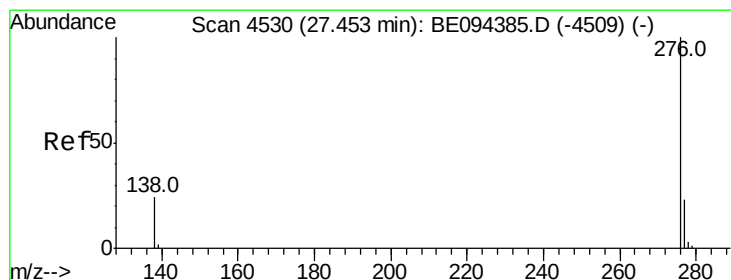
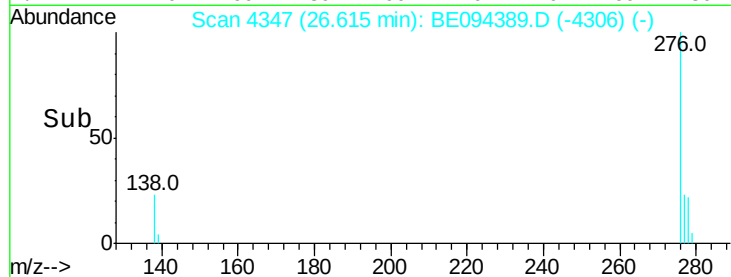
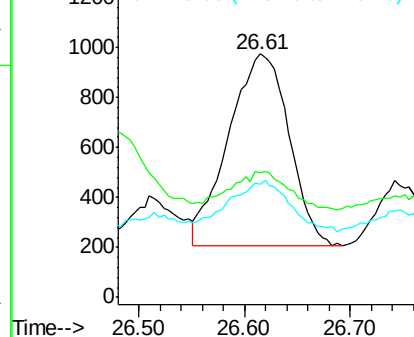
278 100

139 51.4 17.4 26.0#

279 46.3 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: 0.268 ng/ul

RT: 27.45 min Scan# 4530

Delta R.T. -0.00 min

Lab File: BE094389.D

Acq: 15 Oct 2017 12:35

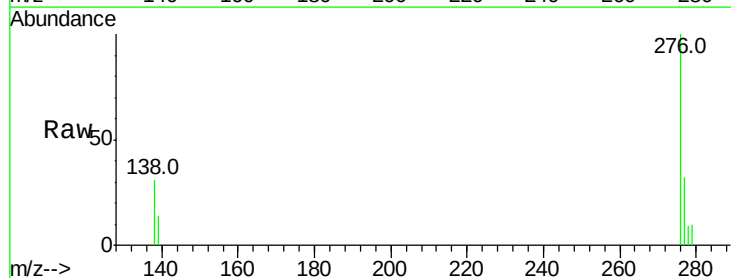
Tgt Ion:276 Resp: 9562

Ion Ratio Lower Upper

276 100

138 30.9 21.8 32.8

277 31.6 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

