

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
 Data File : BE097472.D
 Acq On : 13 Sep 2018 4:18
 Operator : SJ/JU
 Sample : J4792-19DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 13 07:49:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 07:48:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1039	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	6127	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4189	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	122599	0.40	ng/ul	0.10
16) Chrysene-d12	21.09	240	178	0.40	ng/ul	0.12
20) Perylene-d12	23.48	264	176	0.40	ng/ul	0.27

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	603	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	565	0.00	ng/ul	0.12

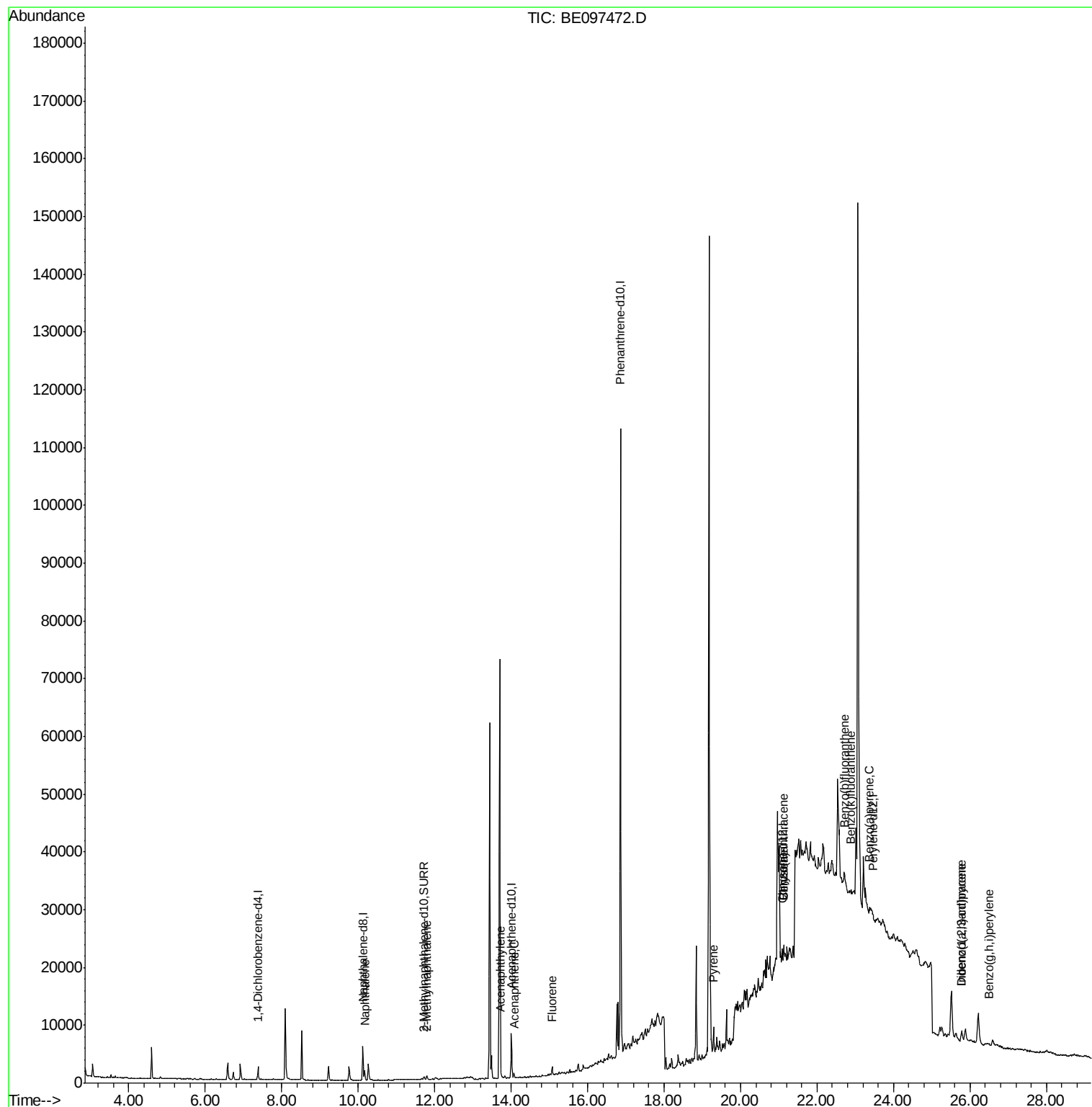
Target Compounds			Ovalue			
3) Naphthalene	10.17	128	2548	0.171	ng/ul#	95
5) 2-Methylnaphthalene	11.80	142	514	0.054	ng/ul	99
7) Acenaphthylene	13.73	152	553	0.036	ng/ul#	47
8) Acenaphthene	14.07	153	458	0.035	ng/ul#	90
9) Fluorene	15.07	166	874	0.058	ng/ul#	76
17) Pyrene	19.30	202	3717	7.760	ng/ul#	73
18) Benzo(a)anthracene	21.13	228	2513	5.496	ng/ul#	1
19) Chrysene	21.13	228	2513	4.770	ng/ul#	1
21) Benzo(b)fluoranthene	22.71	252	2238	4.748	ng/ul#	1
22) Benzo(k)fluoranthene	22.89	252	998	1.899	ng/ul#	1
23) Benzo(a)pyrene	23.37	252	761	1.745	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.79	276	730	1.292	ng/ul#	82
25) Dibenzo(a,h)anthracene	25.79	278	2583	5.394	ng/ul#	1
26) Benzo(g,h,i)perylene	26.50	276	102	0.212	ng/ul#	1

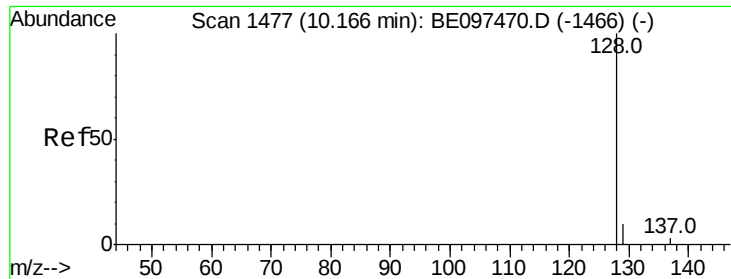
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.171 ng/ul

RT: 10.17 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

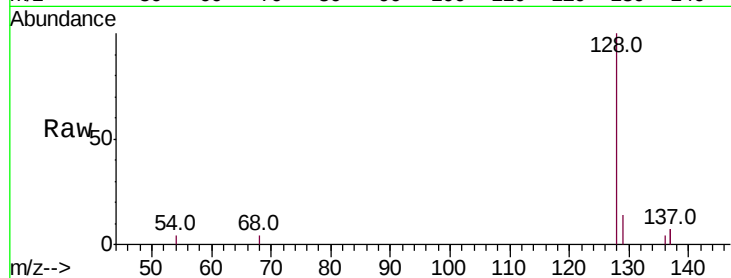
Tot Ion:128 Resp: 2548

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

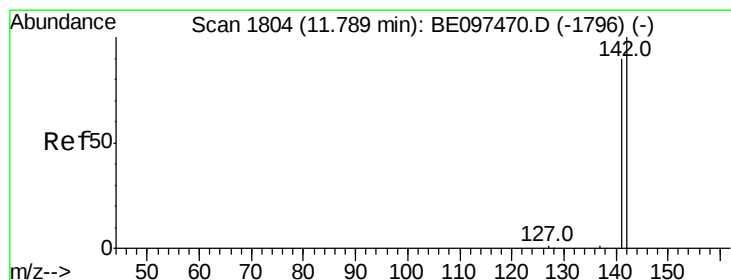
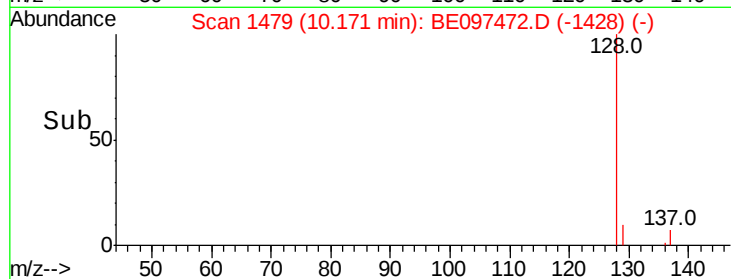
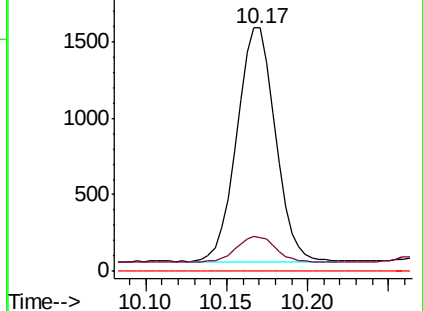
127 0.0 4.0 6.0#



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: 0.054 ng/ul

RT: 11.80 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BE097472.D

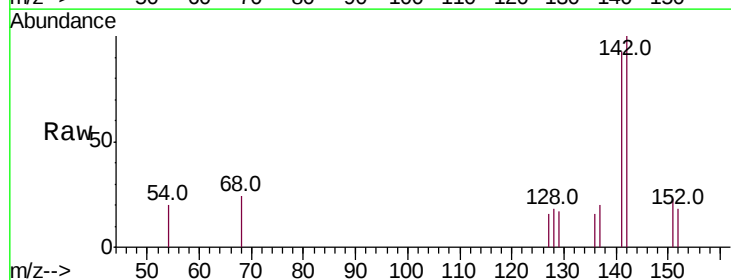
Acq: 13 Sep 2018 4:18

Tgt Ion:142 Resp: 514

Ion Ratio Lower Upper

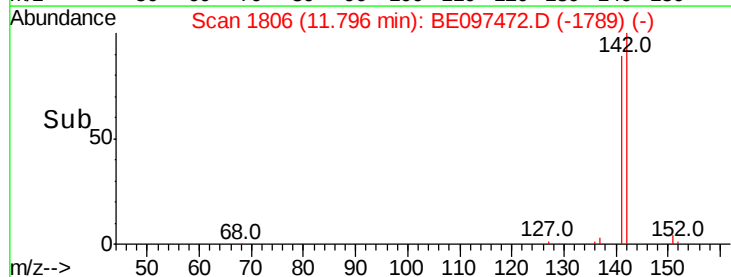
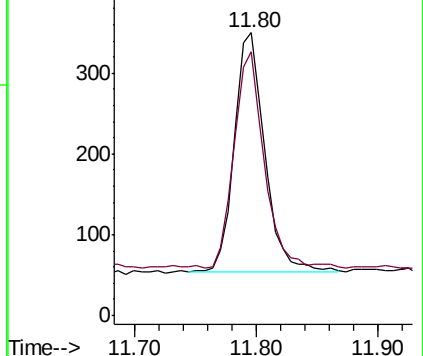
142 100

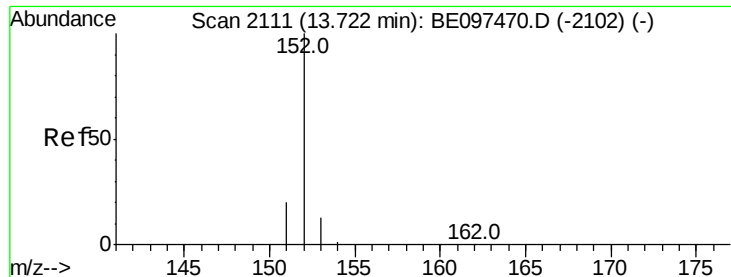
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

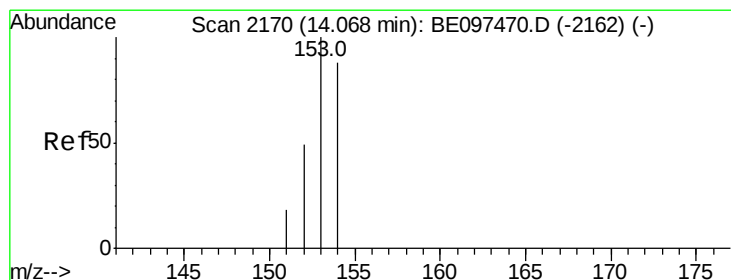
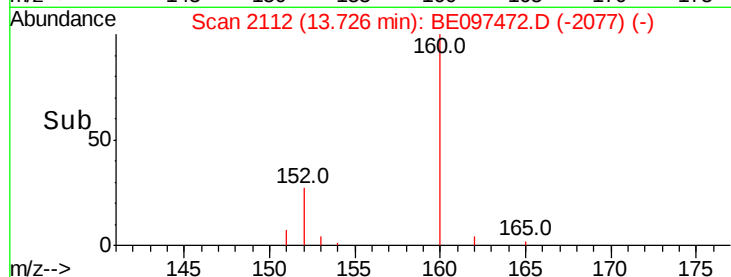
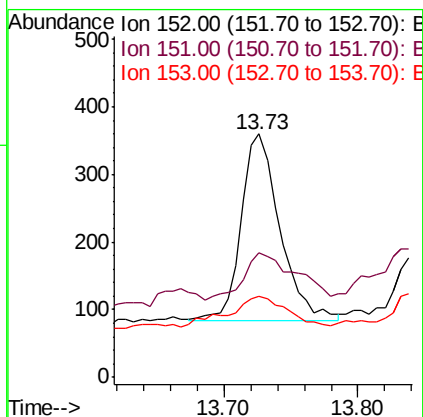
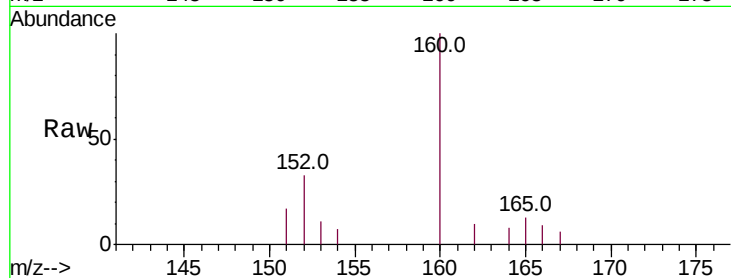
Tot Ion:152 Resp: 553

Ion Ratio Lower Upper

152 100

151 51.1 17.1 25.7#

153 33.1 12.8 19.2#



#8

Acenaphthene

Concen: 0.035 ng/ul

RT: 14.07 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

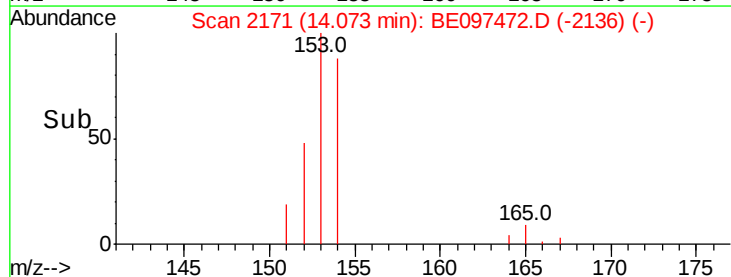
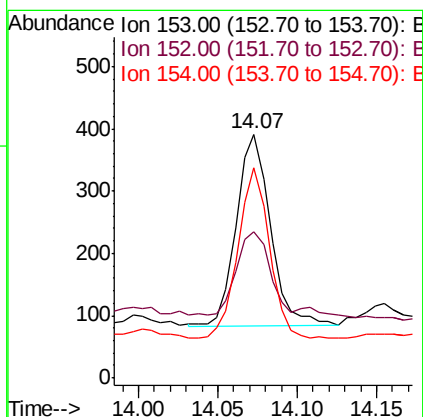
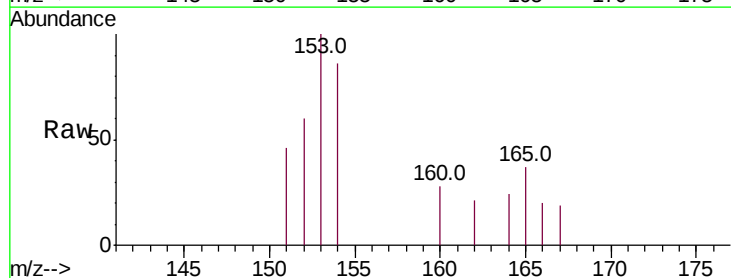
Tgt Ion:153 Resp: 458

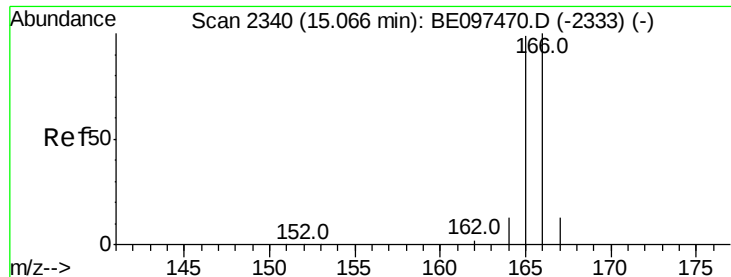
Ion Ratio Lower Upper

153 100

152 60.1 36.0 54.0#

154 86.2 72.0 108.0





#9

Fluorene

Concen: 0.058 ng/ul

RT: 15.07 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

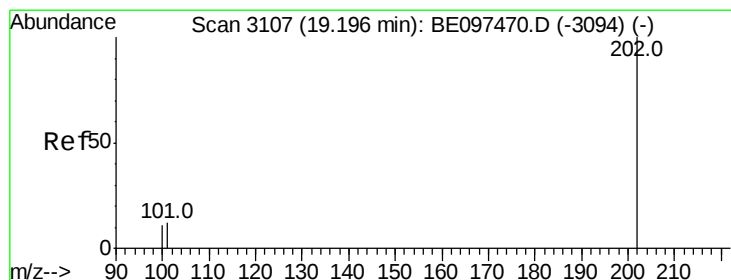
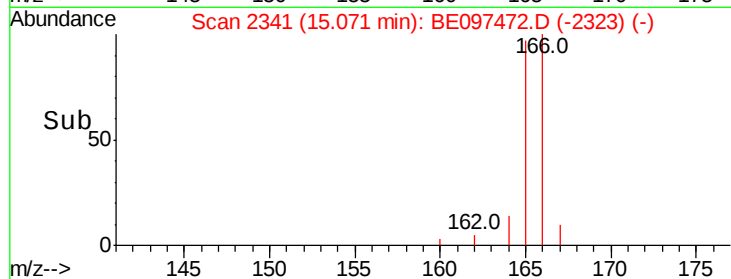
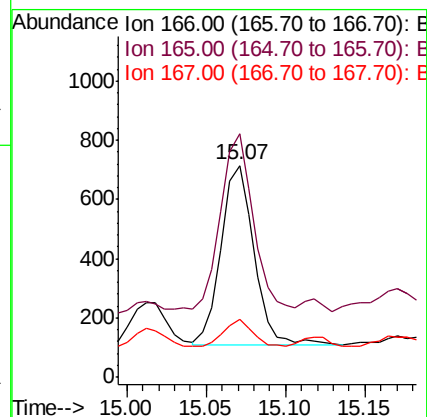
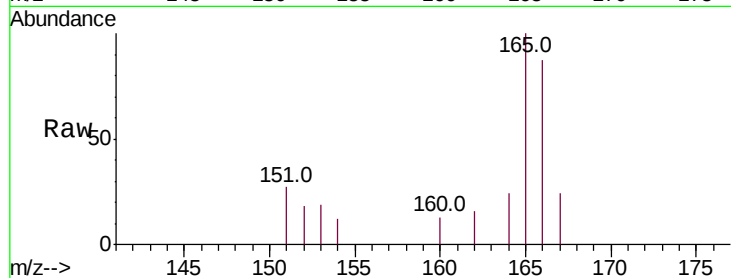
Tot Ion:166 Resp: 874

Ion Ratio Lower Upper

166 100

165 115.0 73.4 110.2#

167 27.4 14.6 22.0#



#17

Pyrene

Concen: 7.760 ng/ul

RT: 19.30 min Scan# 3135

Delta R.T. 0.10 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

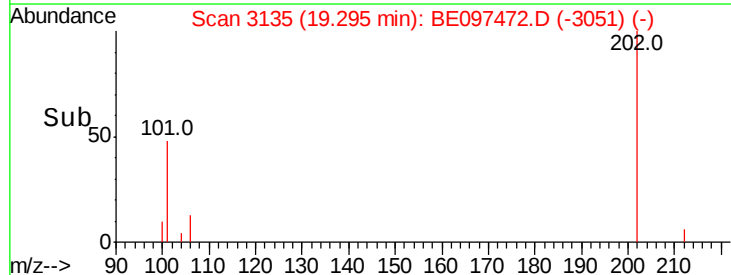
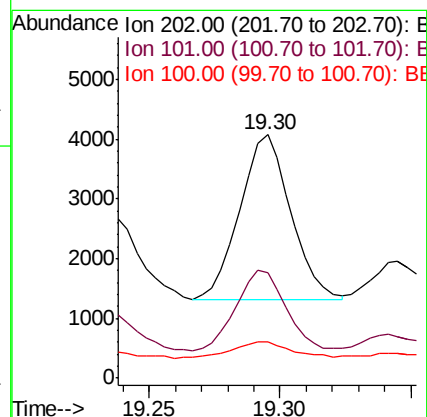
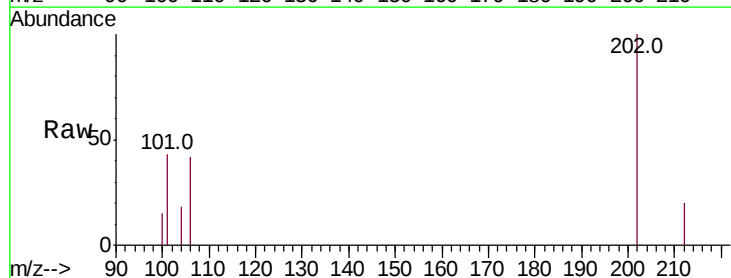
Tgt Ion:202 Resp: 3717

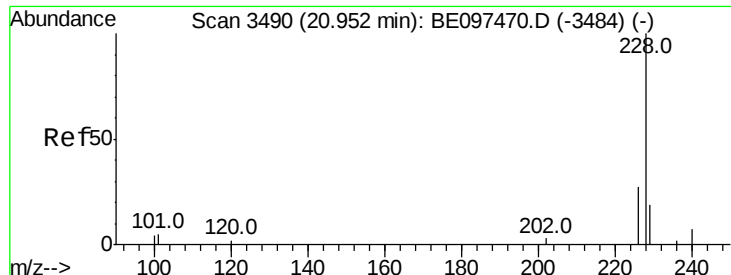
Ion Ratio Lower Upper

202 100

101 43.1 18.2 27.4#

100 14.9 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 5.496 ng/ul

RT: 21.13 min Scan# 3523

Delta R.T. 0.18 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

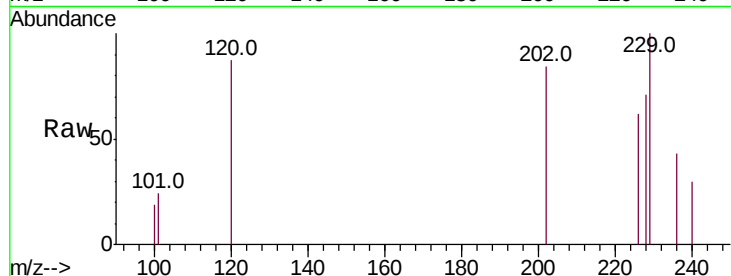
Tot Ion:228 Resp: 2513

Ion Ratio Lower Upper

228 100

229 140.9 22.8 34.2#

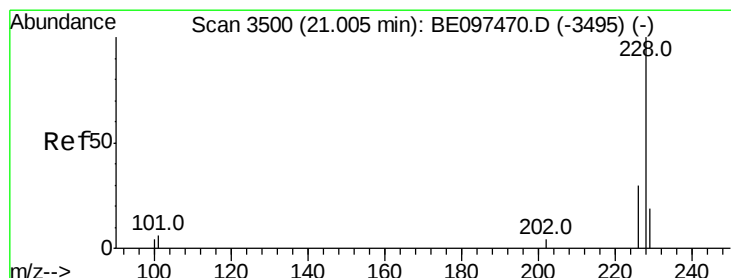
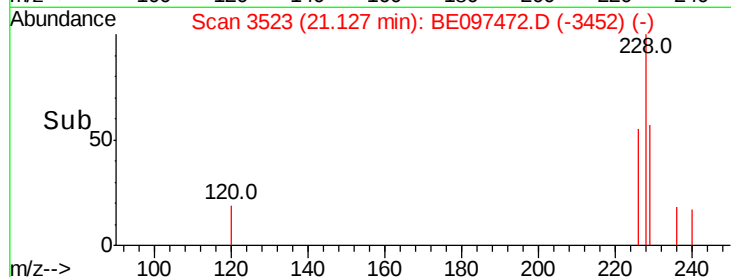
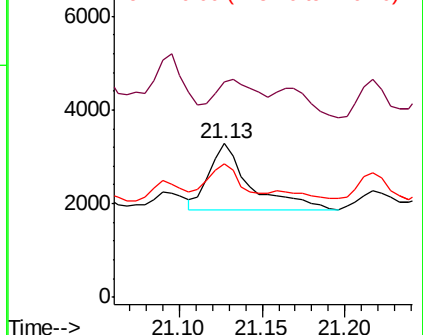
226 87.4 17.0 25.6#



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: 4.770 ng/ul

RT: 21.13 min Scan# 3523

Delta R.T. 0.12 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

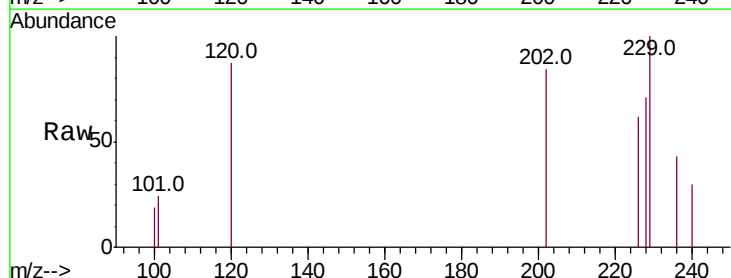
Tgt Ion:228 Resp: 2513

Ion Ratio Lower Upper

228 100

226 87.4 23.4 35.0#

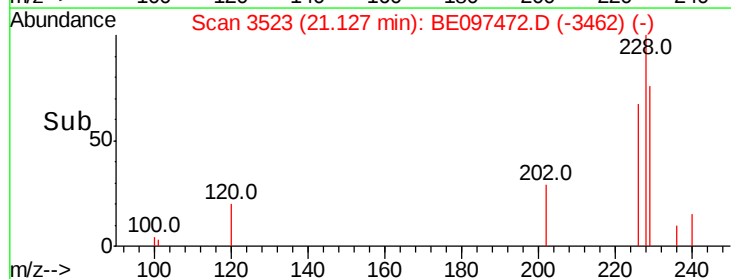
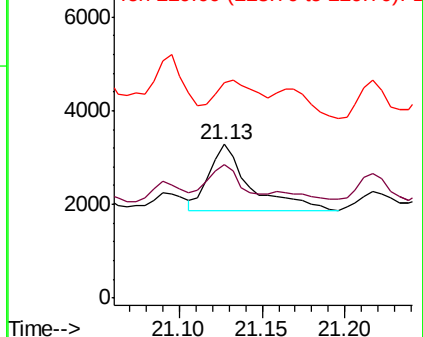
229 140.9 17.7 26.5#

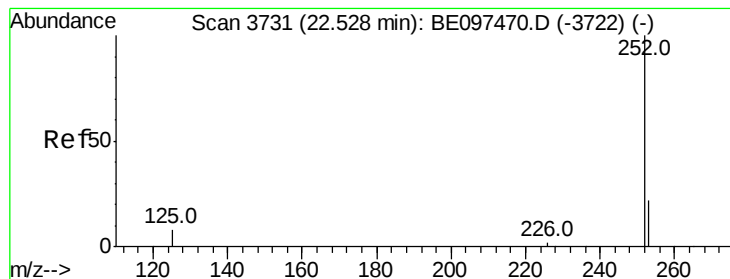


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.748 ng/ul

RT: 22.71 min Scan# 3757

Delta R.T. 0.18 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

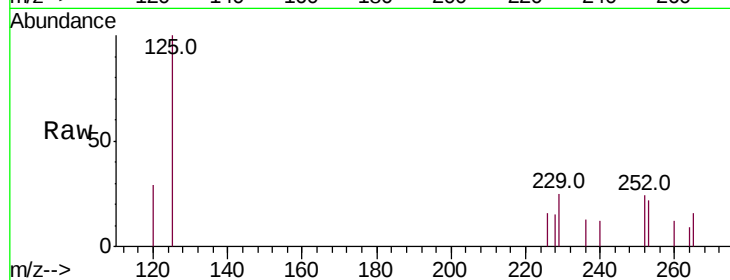
Tot Ion:252 Resp: 2238

Ion Ratio Lower Upper

252 100

253 90.4 0.0 64.2#

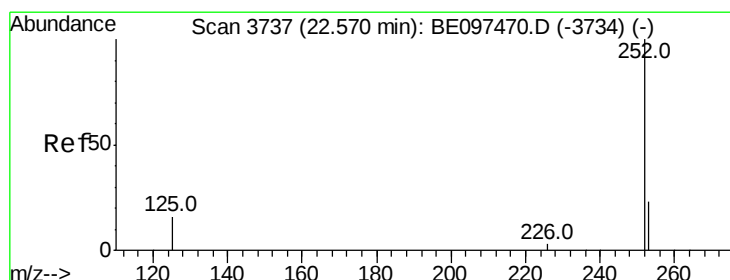
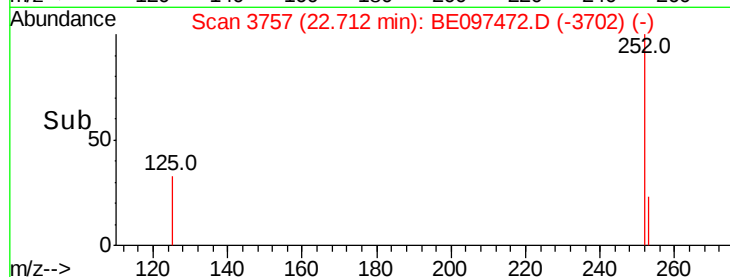
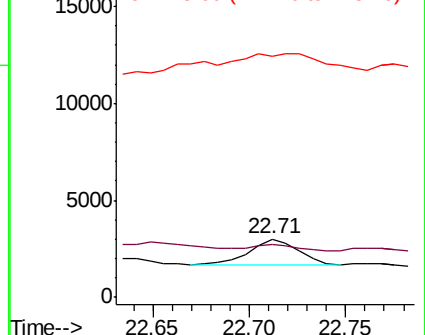
125 414.5 0.0 35.0#



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: 1.899 ng/ul

RT: 22.89 min Scan# 3782

Delta R.T. 0.32 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

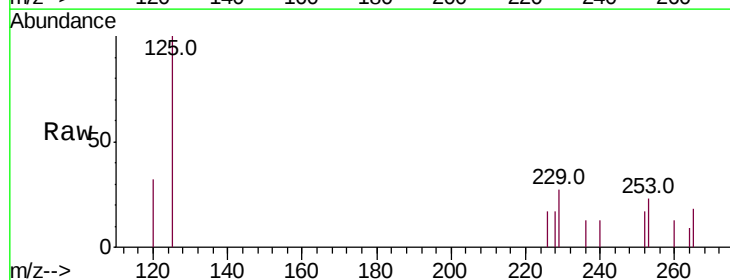
Tgt Ion:252 Resp: 998

Ion Ratio Lower Upper

252 100

253 139.4 24.5 36.7#

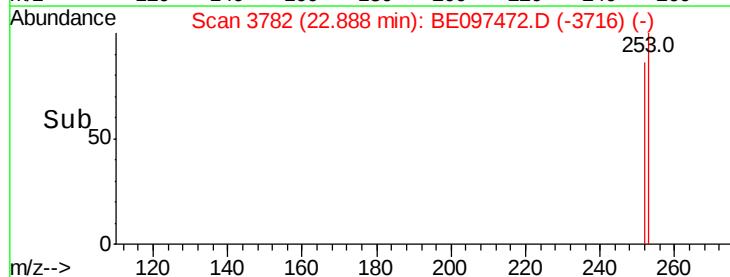
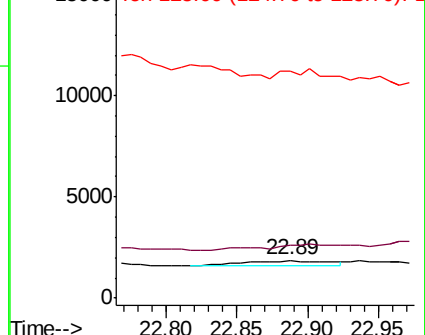
125 601.2 13.7 20.5#

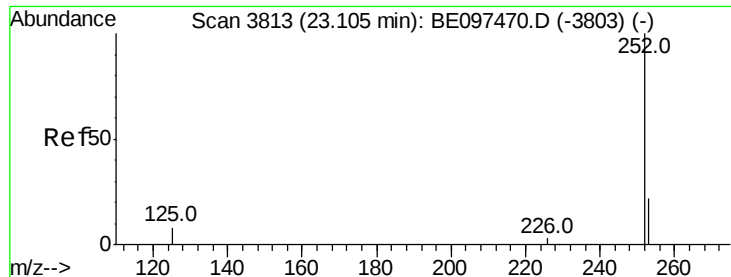


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.745 ng/ul

RT: 23.37 min Scan# 3851

Delta R.T. 0.27 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

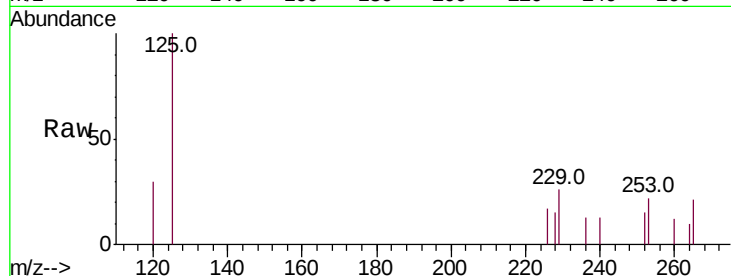
Tot Ion:252 Resp: 761

Ion Ratio Lower Upper

252 100

253 141.7 28.5 42.7#

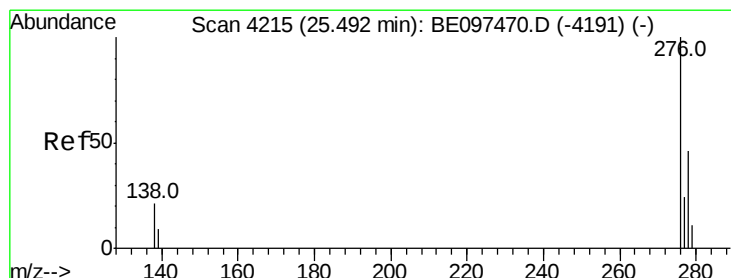
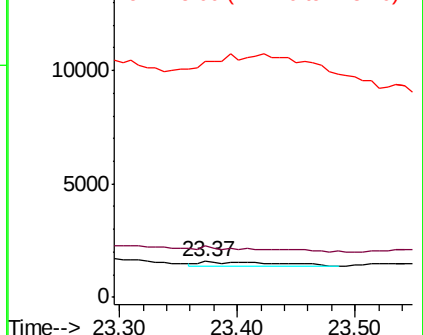
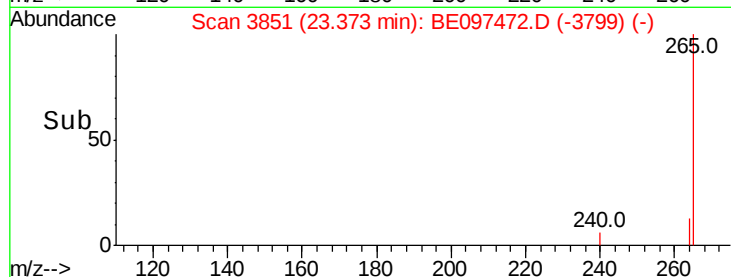
125 654.4 18.1 27.1#



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: 1.292 ng/ul

RT: 25.79 min Scan# 4297

Delta R.T. 0.29 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

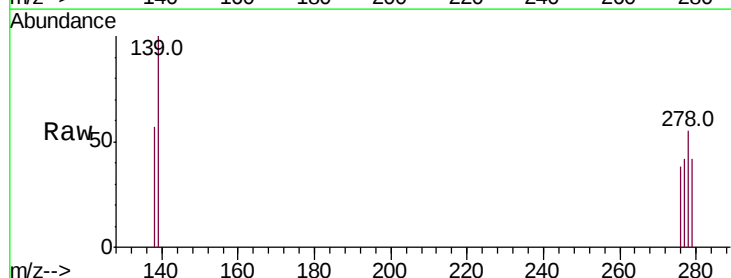
Tgt Ion:276 Resp: 730

Ion Ratio Lower Upper

276 100

138 43.7 28.0 42.0#

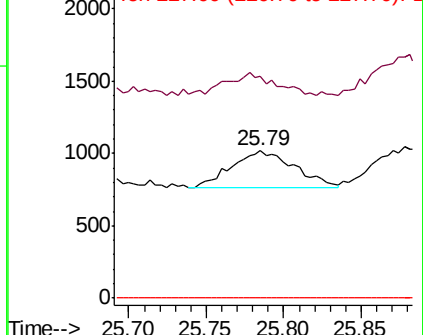
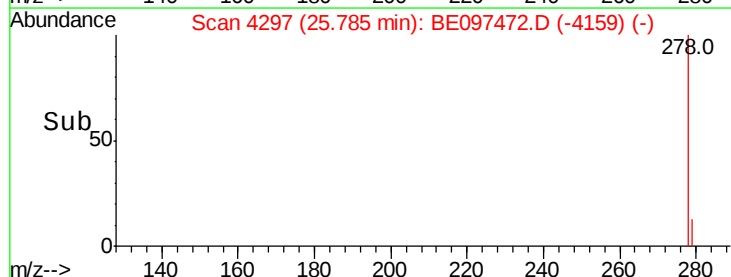
227 0.0 8.0 12.0#

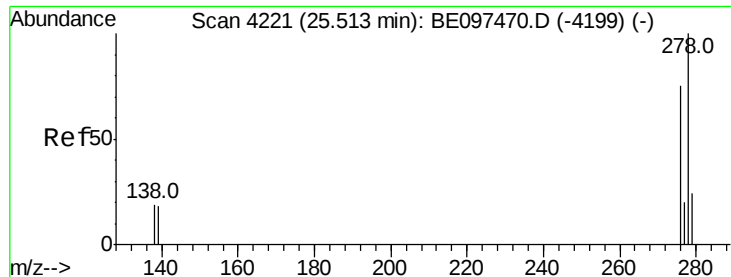


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 5.394 ng/ul

RT: 25.79 min Scan# 4297

Delta R.T. 0.27 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

Instrument :

BNA_E

ClientSampleId :

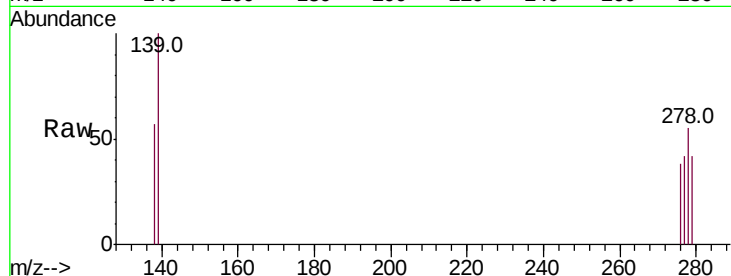
Tot Ion:278 Resp: 2583

Ion Ratio Lower Upper

278 100

139 180.6 17.4 26.0#

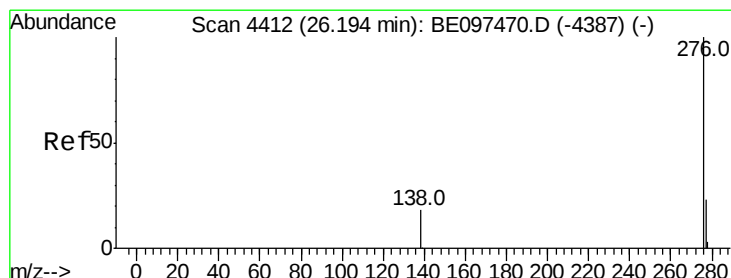
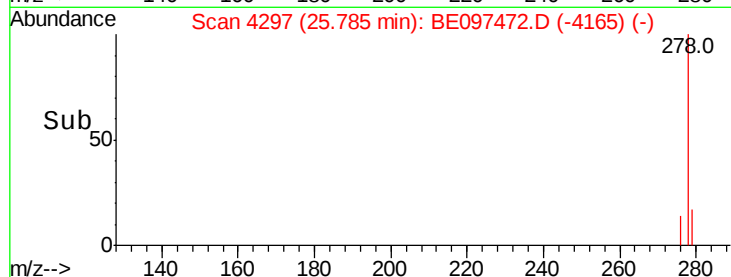
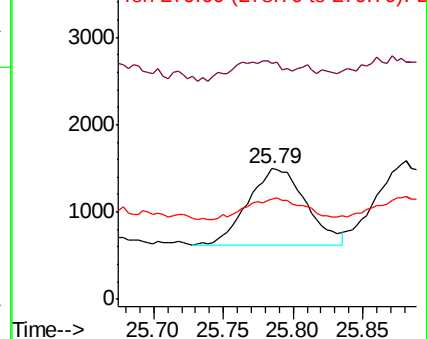
279 76.7 25.9 38.9#



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: 0.212 ng/ul

RT: 26.50 min Scan# 4497

Delta R.T. 0.30 min

Lab File: BE097472.D

Acq: 13 Sep 2018 4:18

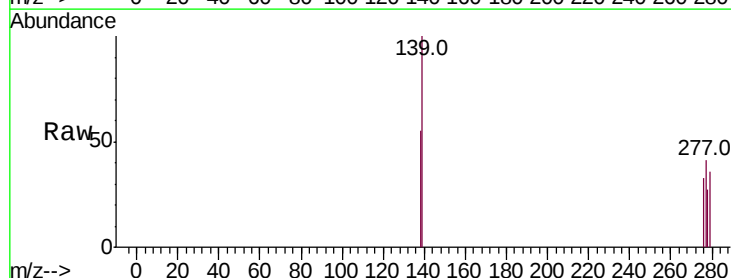
Tgt Ion:276 Resp: 102

Ion Ratio Lower Upper

276 100

138 168.6 21.8 32.8#

277 126.0 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

