

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112816\
 Data File : BM008093.D
 Acq On : 28 Nov 2016 19:08
 Operator : UM/SJ
 Sample : H5695-07DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST4DL

Quant Time: Nov 29 00:13:44 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:11:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	559	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1981	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	1137	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2160	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2157	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	2016	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	127	0.05	ng/ul	0.02
14) Fluoranthene-d10	19.13	212	302	0.05	ng/ul	-0.01

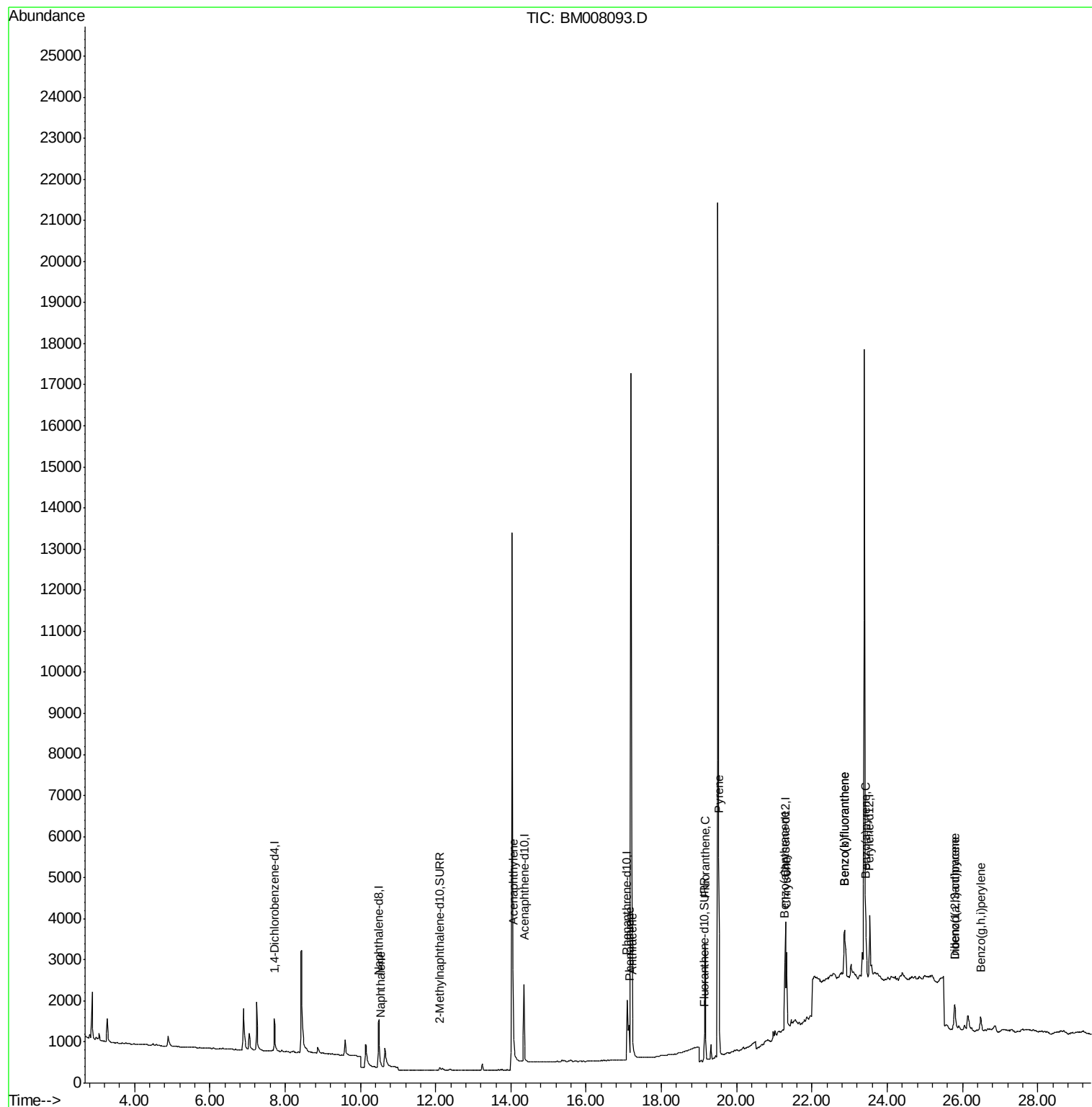
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	146	0.03	ng/ul#	16
7) Acenaphthylene	14.06	152	218	0.04	ng/ul#	49
12) Phenanthrene	17.14	178	1232	0.18	ng/ul#	92
13) Anthracene	17.23	178	333	0.05	ng/ul#	60
15) Fluoranthene	19.16	202	3756	0.43	ng/ul	97
17) Pyrene	19.52	202	3801	0.51	ng/ul	96
18) Benzo(a)anthracene	21.27	228	1760	0.27	ng/ul#	66
19) Chrysene	21.32	228	1735	0.21	ng/ul#	72
21) Benzo(b)fluoranthene	22.87	252	2743	0.34	ng/ul#	40
22) Benzo(k)fluoranthene	22.87	252	2743	0.33	ng/ul#	36
23) Benzo(a)pyrene	23.43	252	1639	0.22	ng/ul#	59
24) Indeno(1,2,3-cd)pyrene	25.80	276	1140	0.12	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.80	278	302	0.04	ng/ul#	1
26) Benzo(g,h,i)perylene	26.48	276	757	0.09	ng/ul#	46

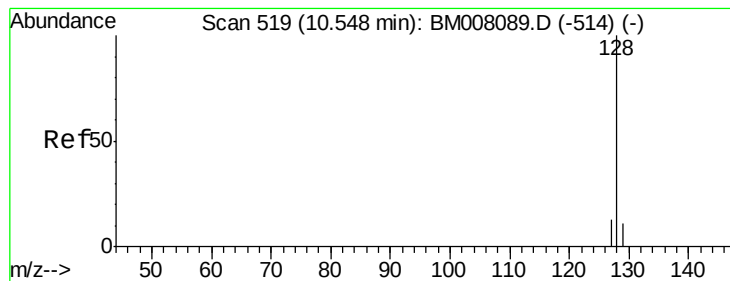
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112816\
Data File : BM008093.D
Acq On : 28 Nov 2016 19:08
Operator : UM/SJ
Sample : H5695-07DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHST4DL

Quant Time: Nov 29 00:13:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:11:14 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

Instrument :

BNA_M

ClientSampleId :

JHST4DL

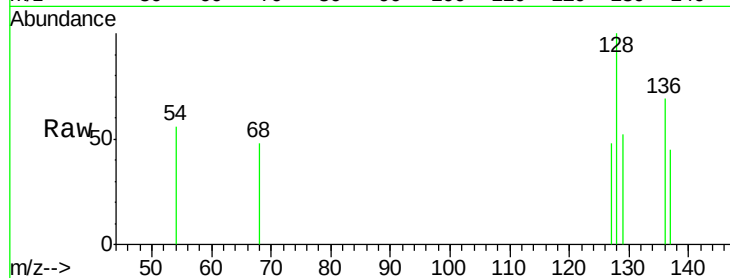
Tgt Ion:128 Resp: 146

Ion Ratio Lower Upper

128 100

129 51.7 11.3 16.9#

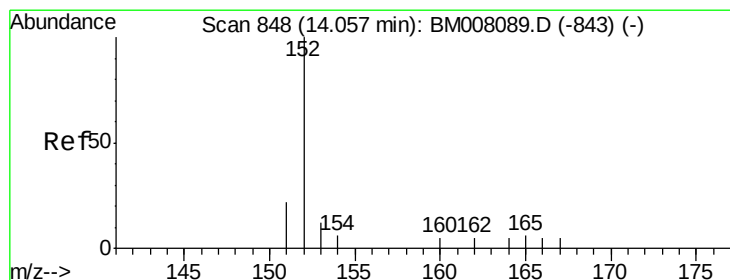
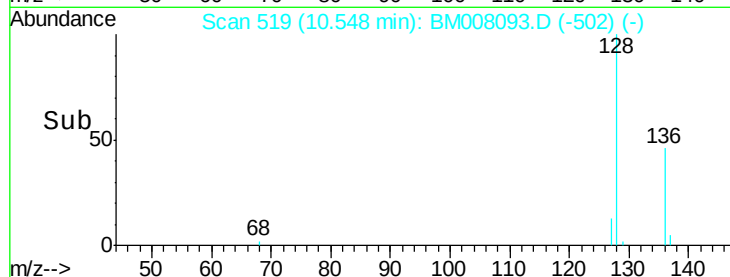
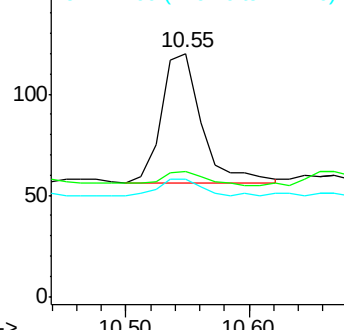
127 48.3 12.8 19.2#



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



#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

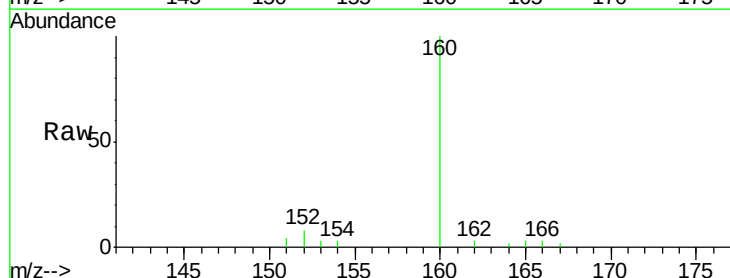
Tgt Ion:152 Resp: 218

Ion Ratio Lower Upper

152 100

151 44.7 17.1 25.7#

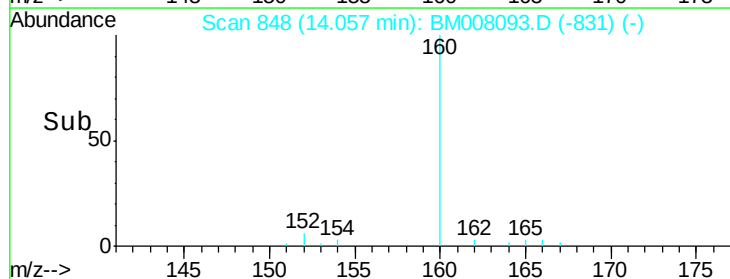
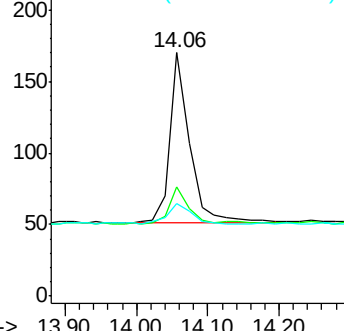
153 38.2 12.8 19.2#

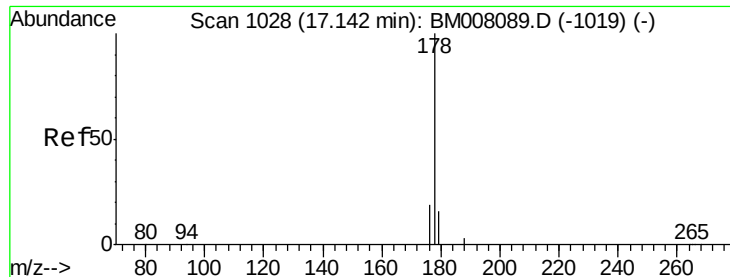


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#12

Phenanthrene

Concen: 0.18 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

Instrument :

BNA_M

ClientSampleId :

JHST4DL

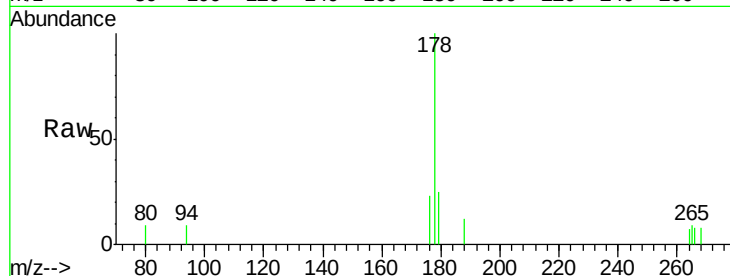
Tgt Ion:178 Resp: 1232

Ion Ratio Lower Upper

178 100

176 23.4 18.4 27.6

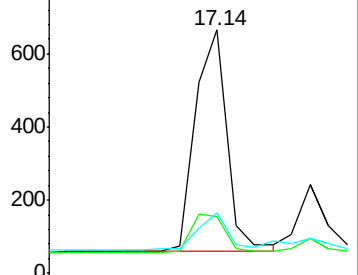
179 24.6 13.6 20.4#



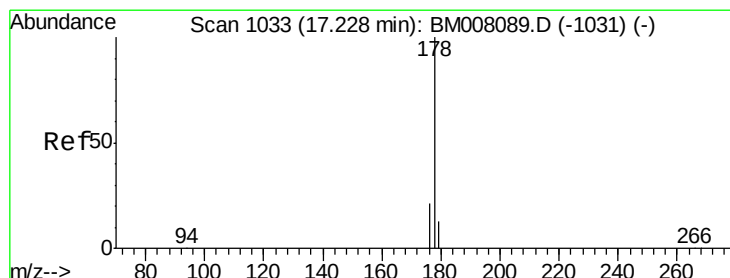
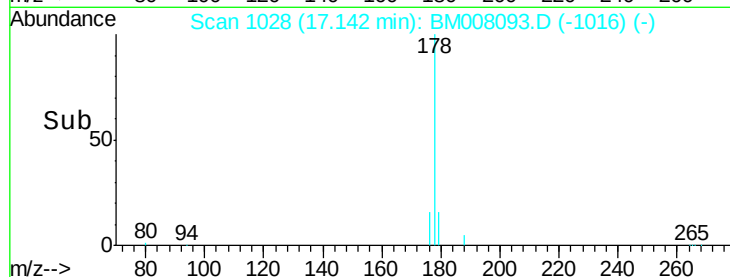
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.00 17.10 17.20



#13

Anthracene

Concen: 0.05 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

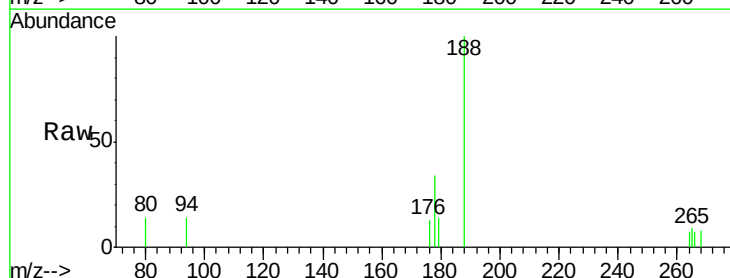
Tgt Ion:178 Resp: 333

Ion Ratio Lower Upper

178 100

176 38.5 18.1 27.1#

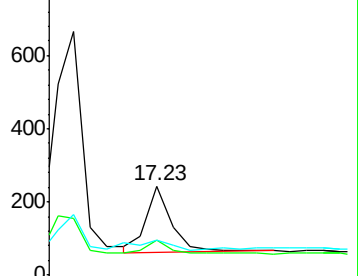
179 39.8 14.7 22.1#



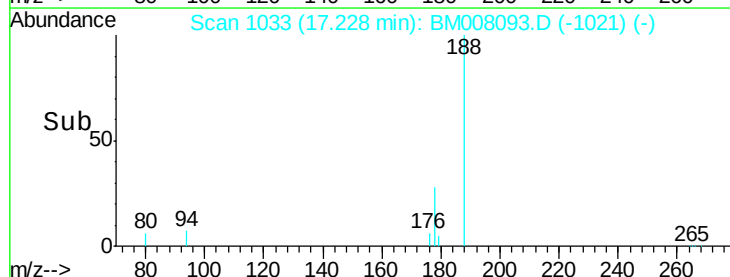
Abundance Ion 178.00 (177.70 to 178.70): E

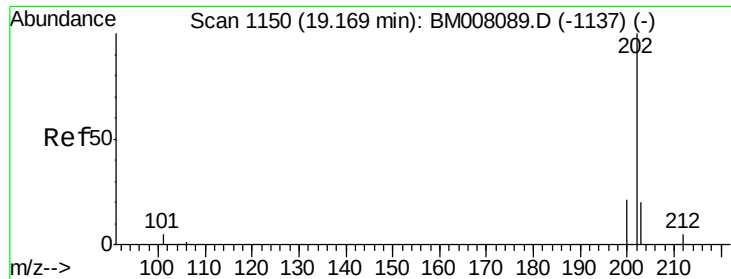
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.20 17.30

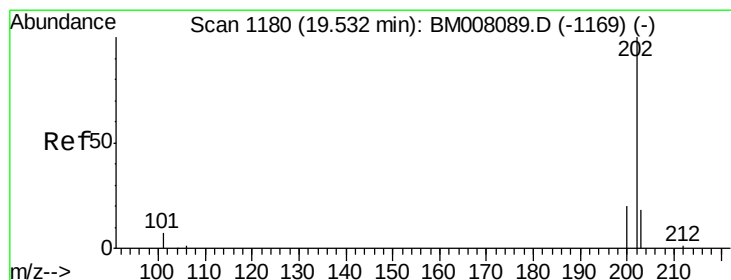
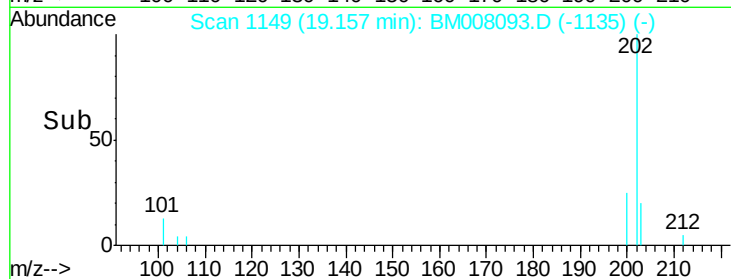
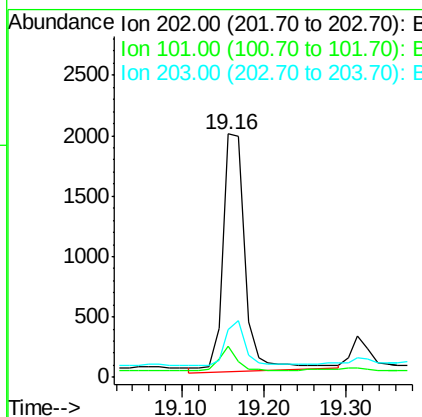
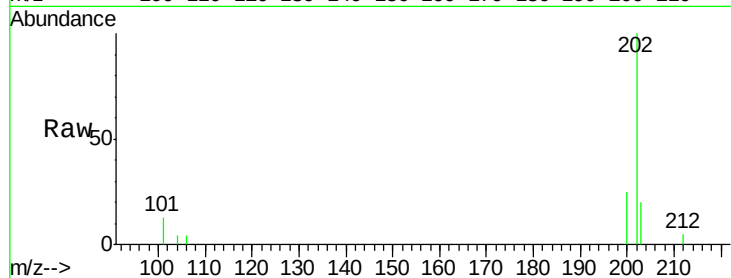




#15
Fluoranthene
Concen: 0.43 ng/ul
RT: 19.16 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BM008093.D
Acq: 28 Nov 2016 19:08

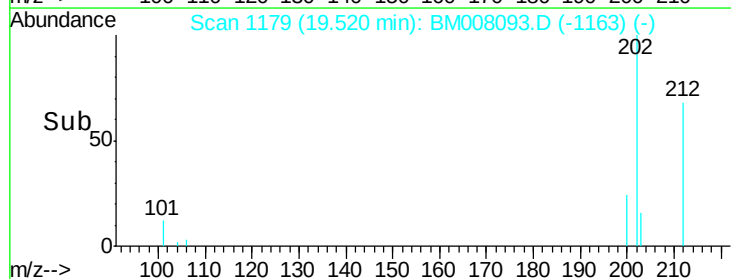
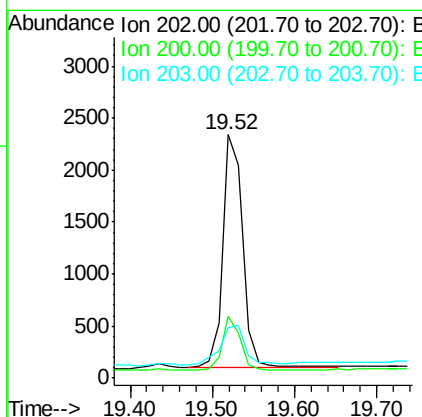
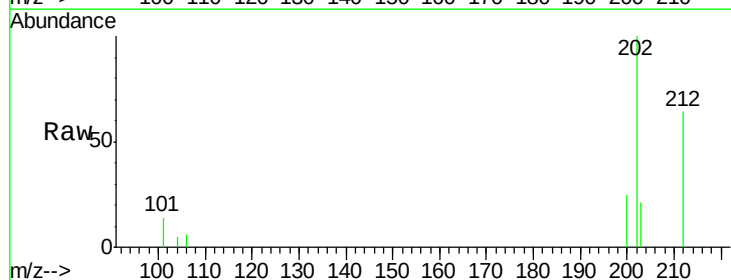
Instrument :
BNA_M
ClientSampleId :
JHST4DL

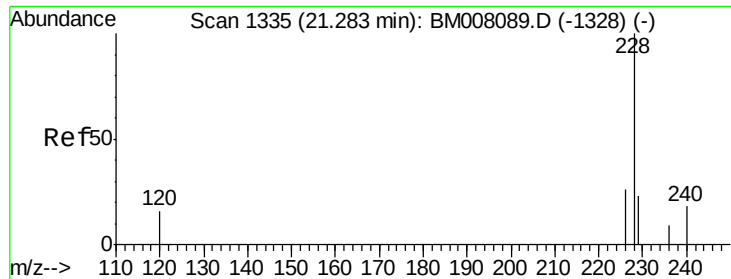
Tgt Ion:202 Resp: 3756
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.3
203 19.8 0.0 39.5



#17
Pyrene
Concen: 0.51 ng/ul
RT: 19.52 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BM008093.D
Acq: 28 Nov 2016 19:08

Tgt Ion:202 Resp: 3801
Ion Ratio Lower Upper
202 100
200 25.4 18.2 27.4
203 20.8 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.27 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

Instrument :

BNA_M

ClientSampleId :

JHST4DL

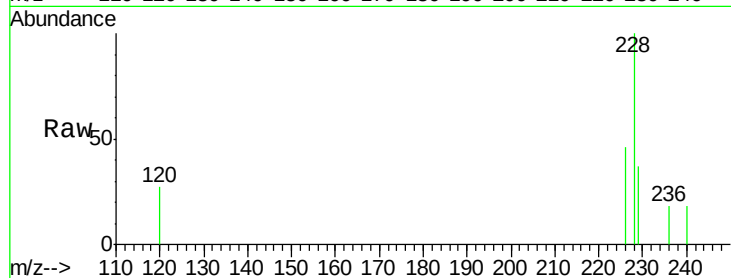
Tgt Ion:228 Resp: 1760

Ion Ratio Lower Upper

228 100

226 46.3 22.8 34.2#

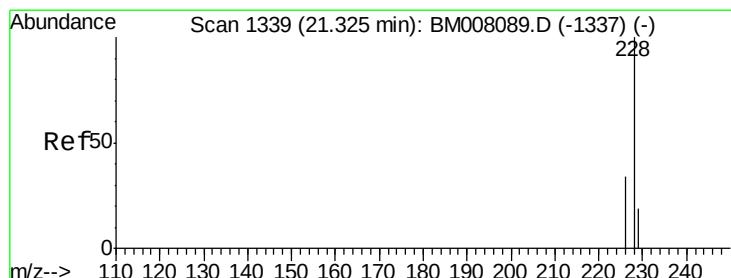
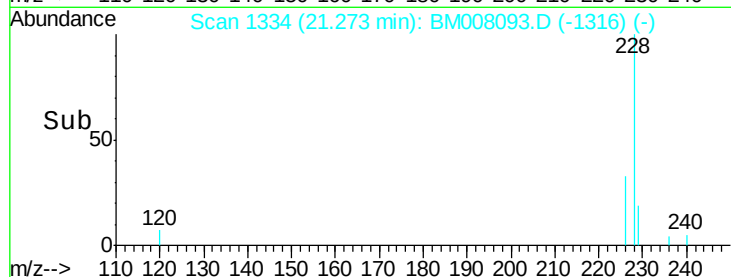
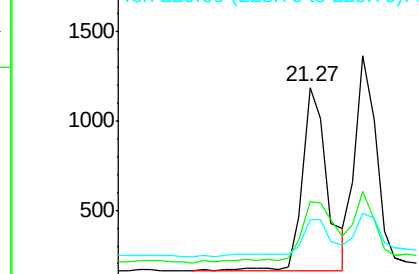
229 37.4 17.0 25.6#



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



#19

Chrysene

Concen: 0.21 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

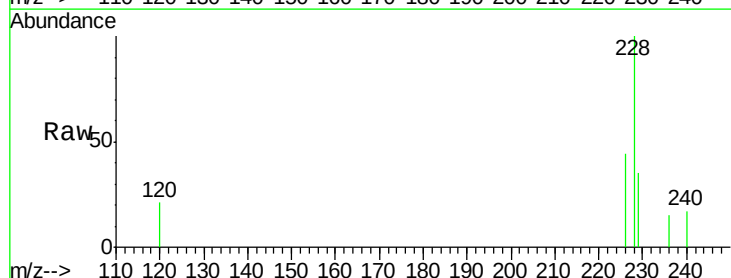
Tgt Ion:228 Resp: 1735

Ion Ratio Lower Upper

228 100

226 44.1 23.4 35.0#

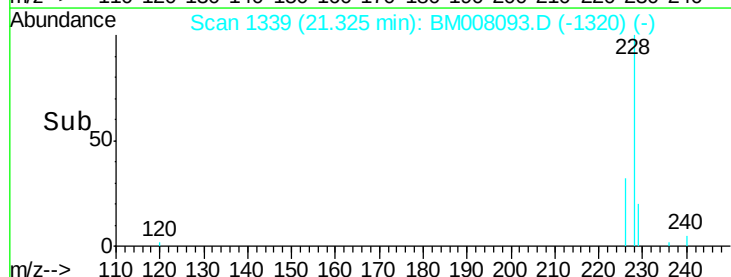
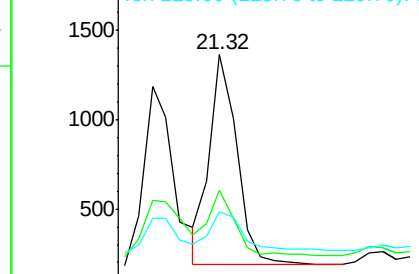
229 35.3 17.7 26.5#

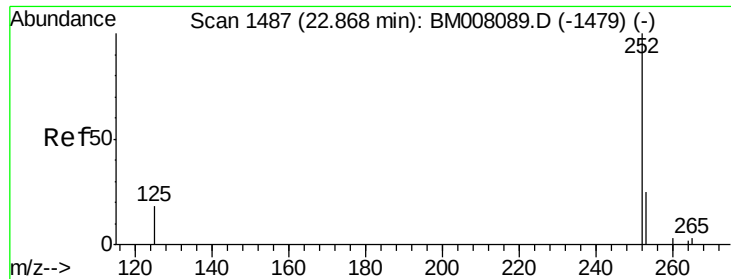


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.34 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

Instrument :

BNA_M

ClientSampleId :

JHST4DL

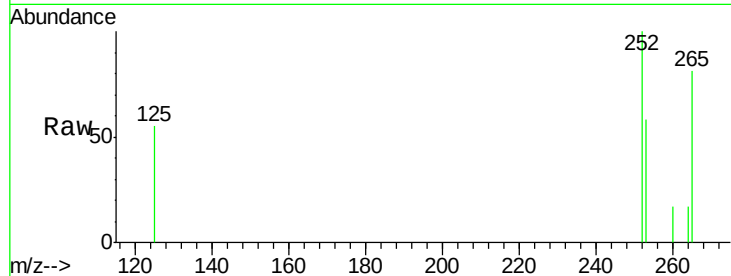
Tgt Ion:252 Resp: 2743

Ion Ratio Lower Upper

252 100

253 58.0 0.0 64.2

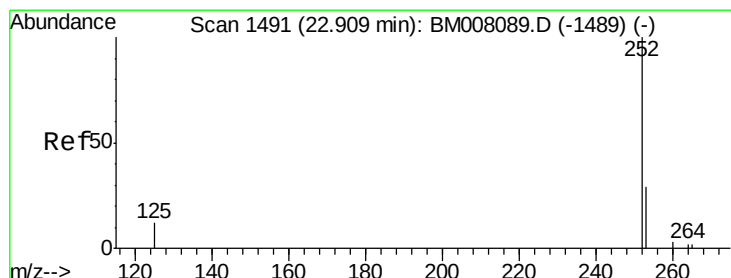
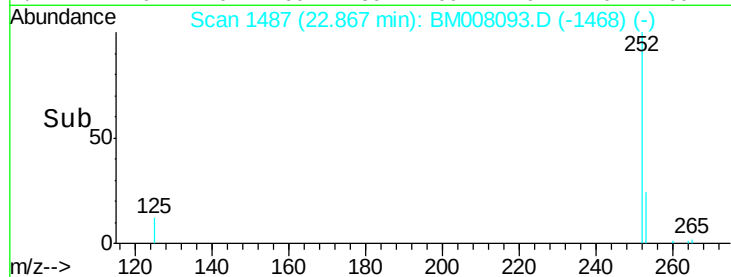
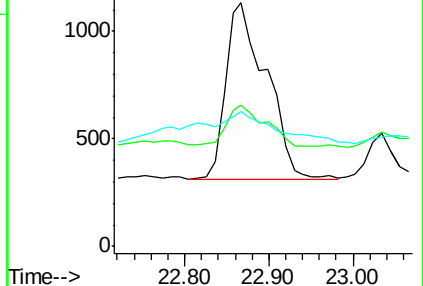
125 55.3 0.0 35.0#



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: 0.33 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.04 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

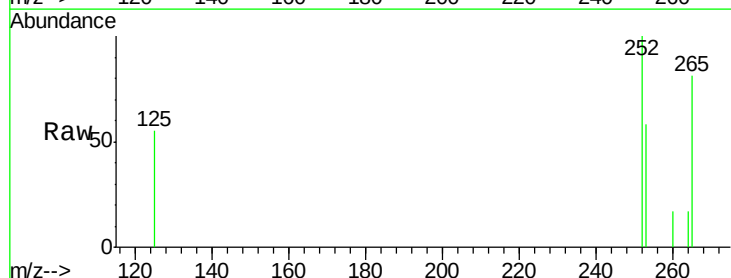
Tgt Ion:252 Resp: 2743

Ion Ratio Lower Upper

252 100

253 58.0 24.5 36.7#

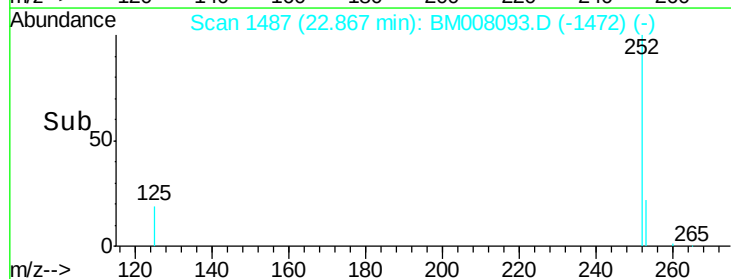
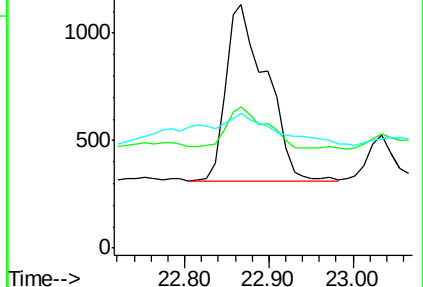
125 55.3 13.7 20.5#

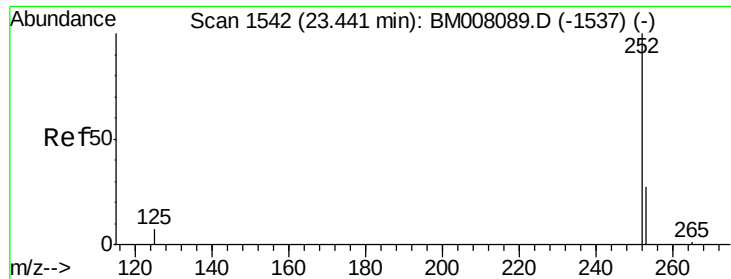


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.22 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

Instrument :

BNA_M

ClientSampleId :

JHST4DL

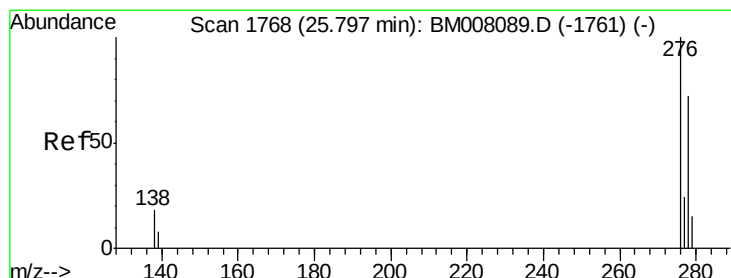
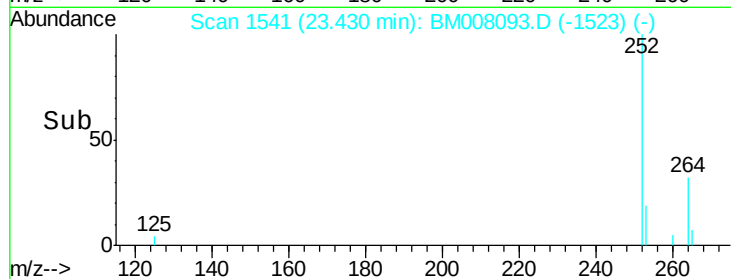
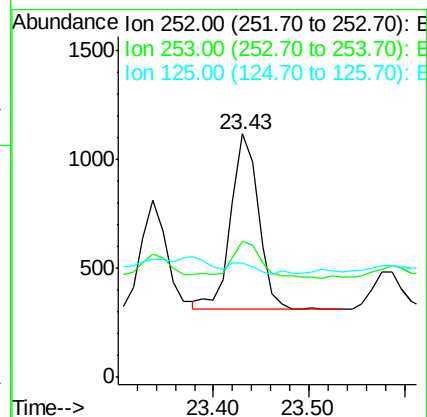
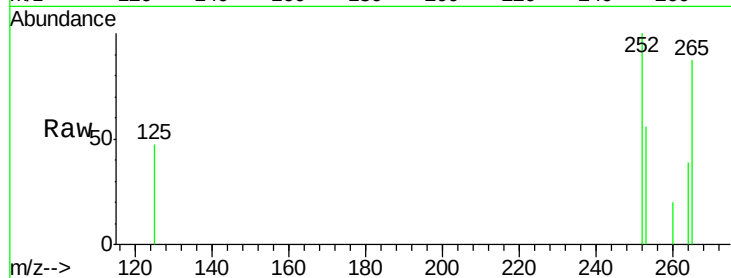
Tgt Ion: 252 Resp: 1639

Ion Ratio Lower Upper

252 100

253 55.8 28.5 42.7#

125 47.2 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.12 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

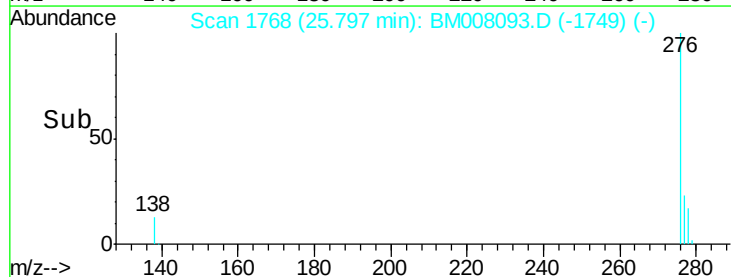
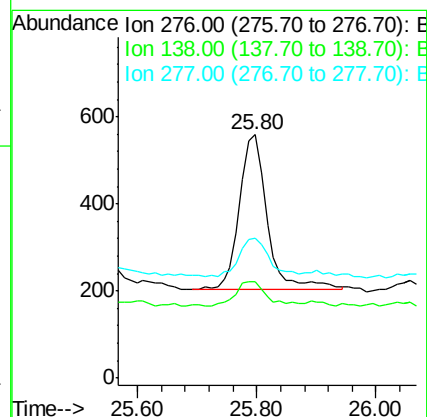
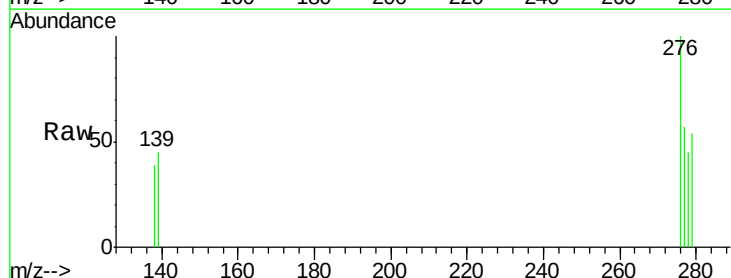
Tgt Ion: 276 Resp: 1140

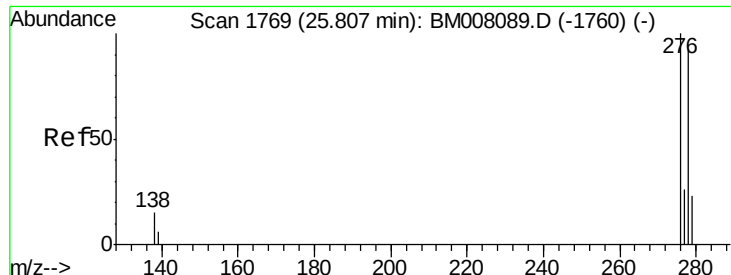
Ion Ratio Lower Upper

276 100

138 18.7 19.1 28.7#

277 27.6 19.6 29.4





#25

Dibenzo(a,h)anthracene

Concen: 0.04 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. -0.01 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

Instrument :

BNA_M

ClientSampleId :

JHST4DL

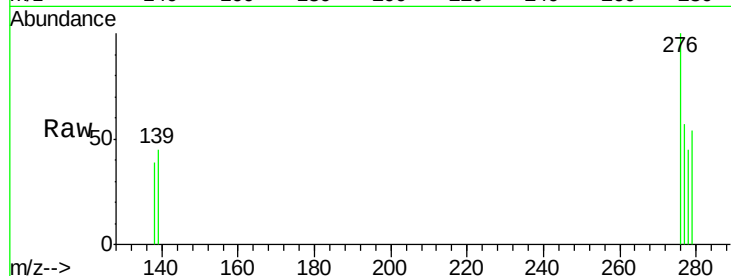
Tgt Ion:278 Resp: 302

Ion Ratio Lower Upper

278 100

139 100.0 17.4 26.0#

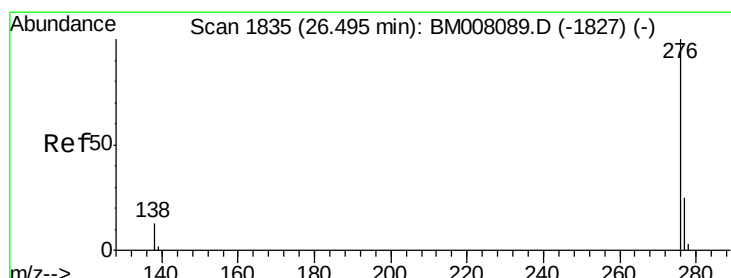
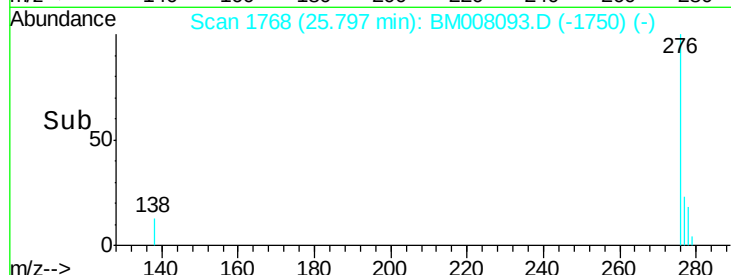
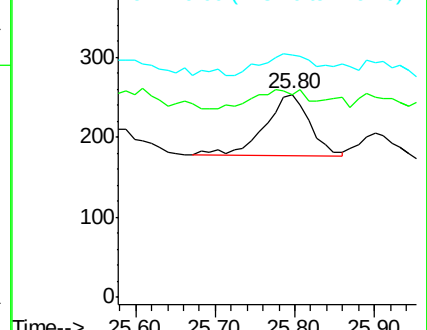
279 119.3 25.9 38.9#



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: 0.09 ng/ul

RT: 26.48 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM008093.D

Acq: 28 Nov 2016 19:08

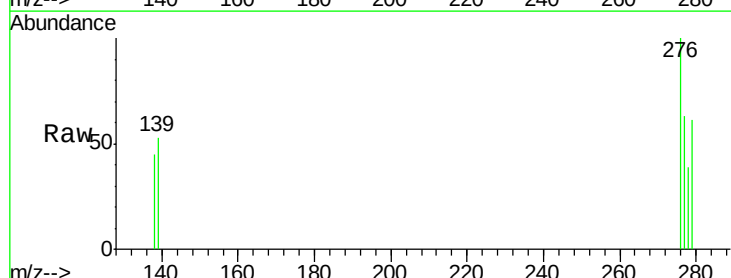
Tgt Ion:276 Resp: 757

Ion Ratio Lower Upper

276 100

277 63.3 21.8 32.8#

138 45.3 20.5 30.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

