

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002286.D
 Acq On : 08 Aug 2015 21:18
 Operator : TP/UM
 Sample : G3161-13
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C58

Quant Time: Aug 09 06:18:23 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 06:16:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	253092	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1242125	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	653374	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1311766	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1098353	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	910762	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	1240888	18.33	ng/ul	0.00
10) Fluorene-d10	16.47	176	825825	17.54	ng/ul	0.00
14) Anthracene-d10	18.30	188	1171849	18.41	ng/ul	0.00
18) Pyrene-d10	20.52	212	1109435	20.83	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	789355	16.32	ng/ul	0.00

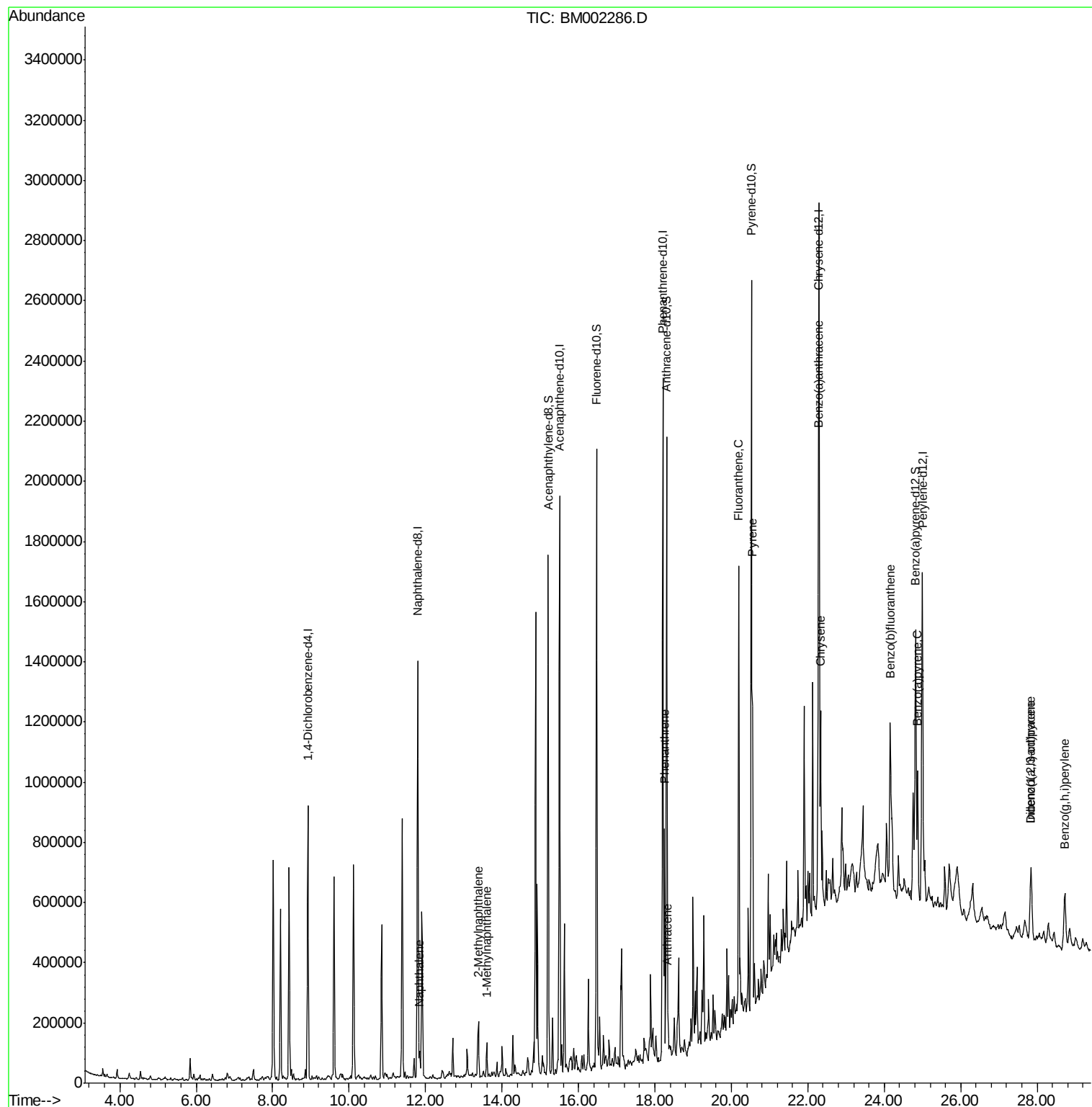
Target Compounds				Qvalue		
3) Naphthalene	11.85	128	74296	1.14	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	78656	1.68	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	52065	1.13	ng/ul	97
13) Phenanthrene	18.25	178	464097	6.15	ng/ul	99
15) Anthracene	18.34	178	88950	1.14	ng/ul	98
16) Fluoranthene	20.19	202	875413	10.47	ng/ul	98
19) Pyrene	20.55	202	714223	10.06	ng/ul	100
20) Benzo(a)anthracene	22.27	228	400577	5.97	ng/ul	98
21) Chrysene	22.33	228	414330	6.52	ng/ul	97
23) Benzo(b)fluoranthene	24.16	252	563865	9.96	ng/ul#	95
26) Benzo(a)pyrene	24.87	252	346227	6.39	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.84	276	245708	3.96	ng/ul	95
28) Dibenzo(a,h)anthracene	27.84	278	64124	1.22	ng/ul#	83
29) Benzo(g,h,i)perylene	28.73	276	231244	4.41	ng/ul	94

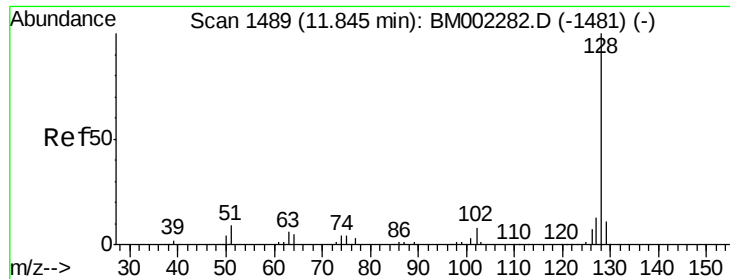
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.14 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

Instrument :

BNA_M

ClientSampleId :

D9C58

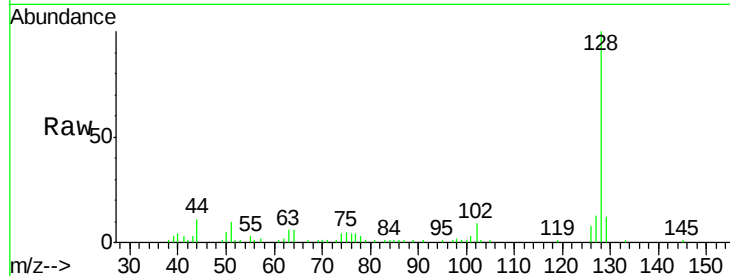
Tgt Ion:128 Resp: 74296

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

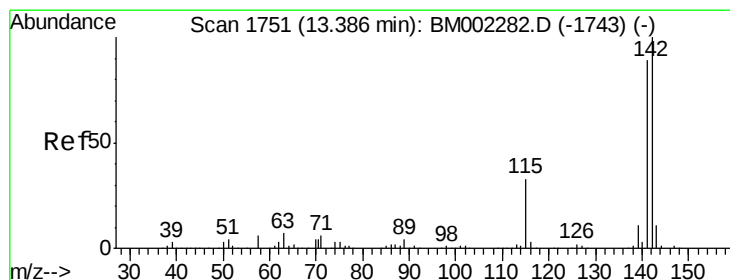
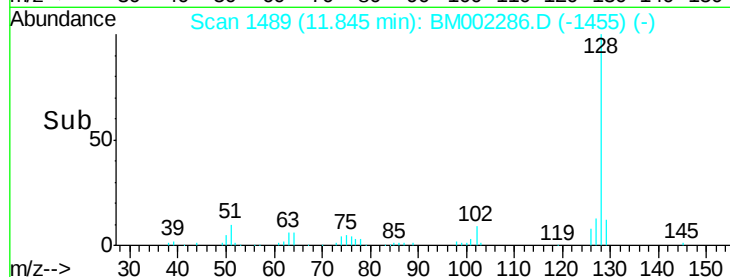
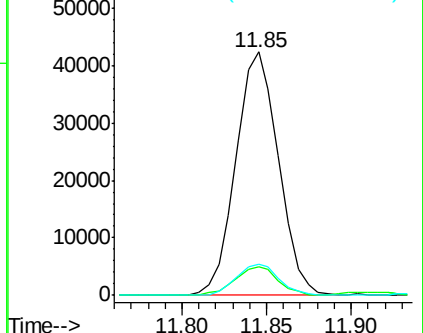
127 12.7 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 1.68 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002286.D

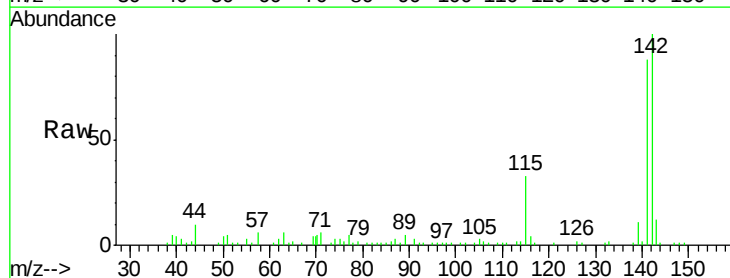
Acq: 08 Aug 2015 21:18

Tgt Ion:142 Resp: 78656

Ion Ratio Lower Upper

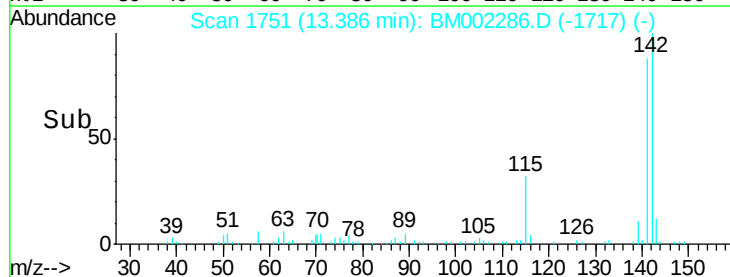
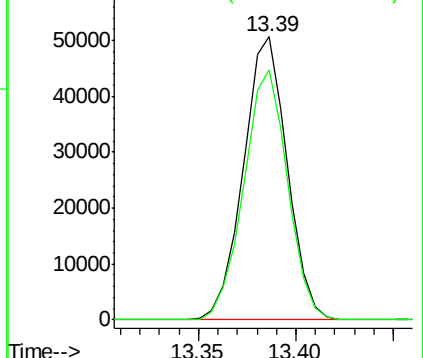
142 100

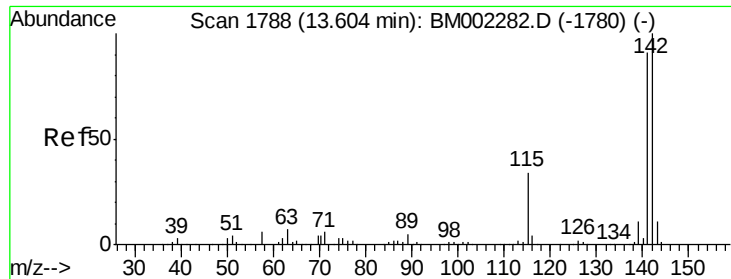
141 88.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.13 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

Instrument :

BNA_M

ClientSampleId :

D9C58

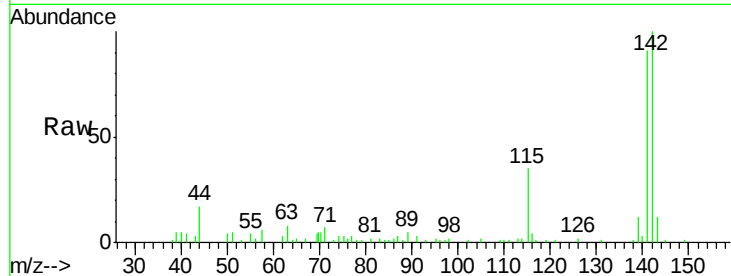
Tgt Ion:142 Resp: 52065

Ion Ratio Lower Upper

142 100

141 90.5 74.5 111.7

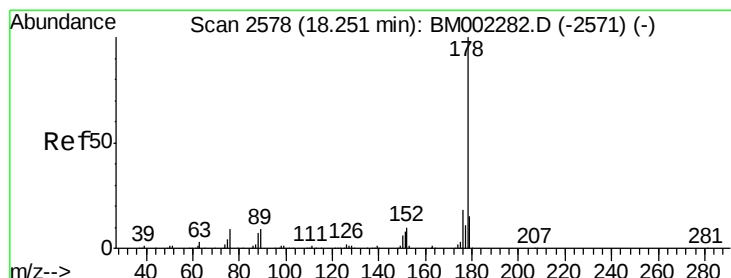
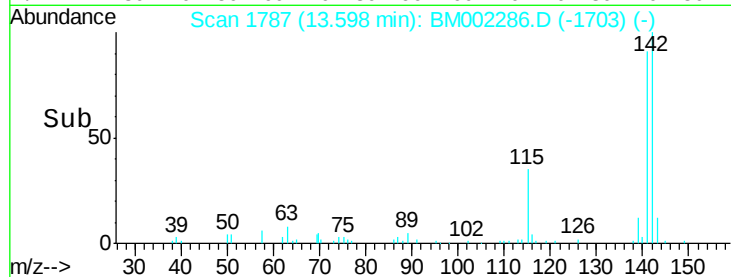
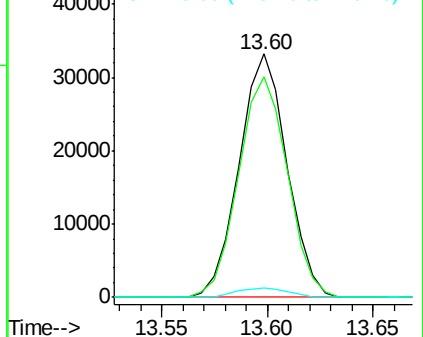
116 3.9 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 6.15 ng/ul

RT: 18.25 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

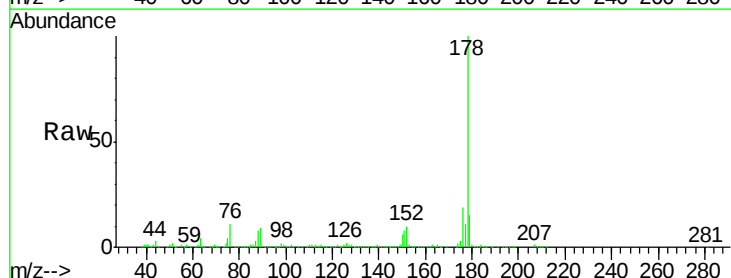
Tgt Ion:178 Resp: 464097

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

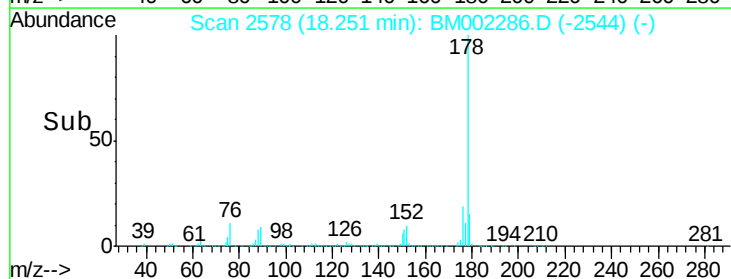
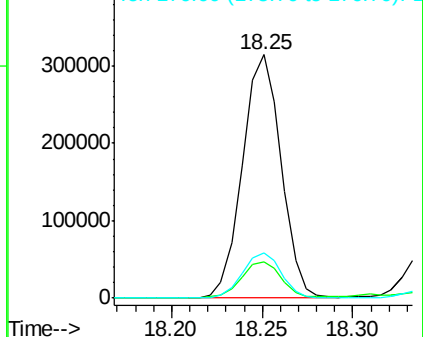
176 18.8 15.3 22.9

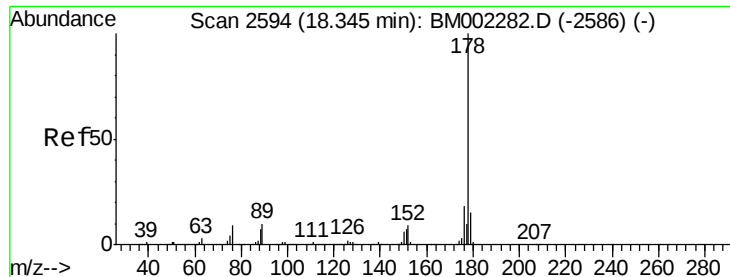


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.14 ng/ul

RT: 18.34 min Scan# 2593

Delta R.T. -0.01 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

Instrument :

BNA_M

ClientSampleId :

D9C58

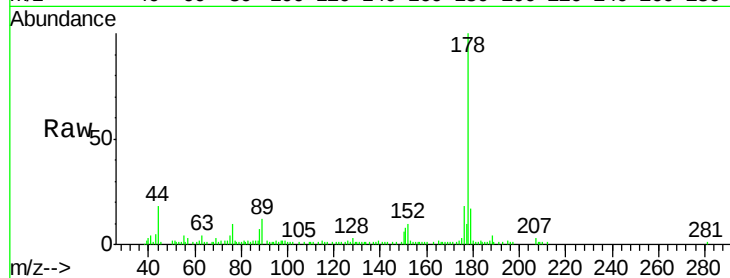
Tgt Ion:178 Resp: 88950

Ion Ratio Lower Upper

178 100

179 17.0 12.3 18.5

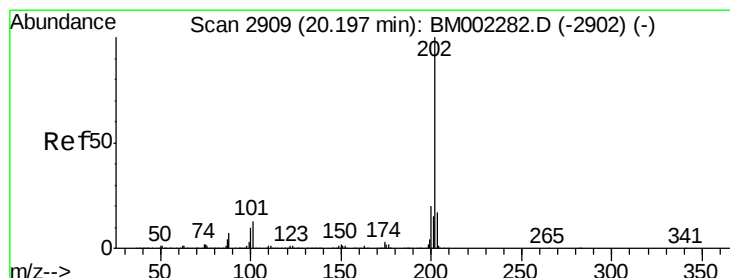
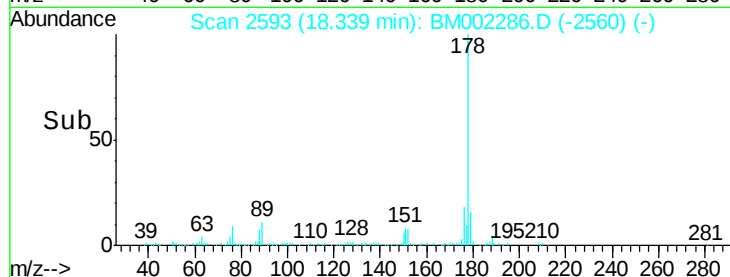
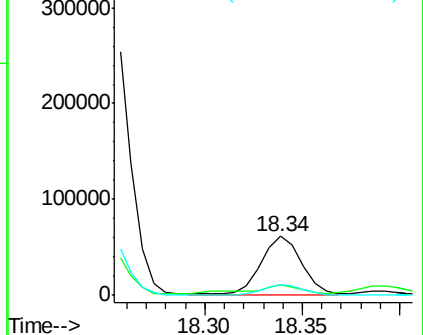
176 17.7 14.5 21.7



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



#16

Fluoranthene

Concen: 10.47 ng/ul

RT: 20.19 min Scan# 2908

Delta R.T. -0.01 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

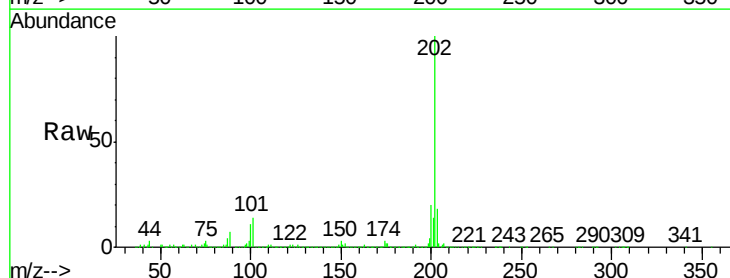
Tgt Ion:202 Resp: 875413

Ion Ratio Lower Upper

202 100

101 14.3 10.6 15.8

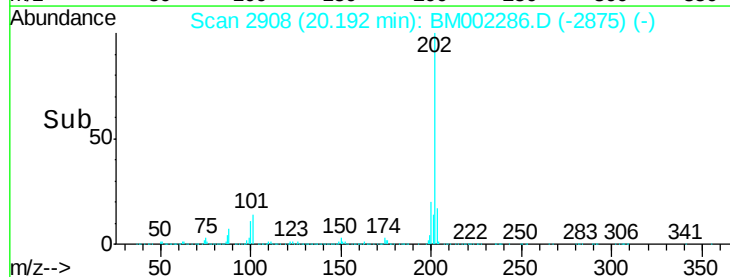
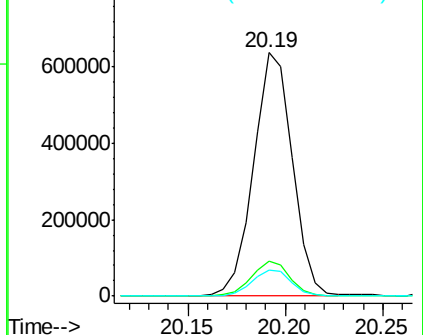
100 10.8 8.2 12.4

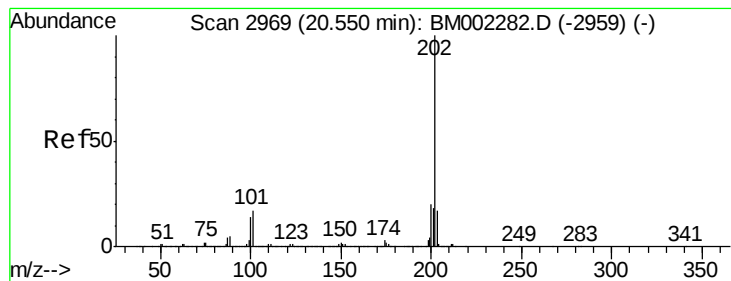


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

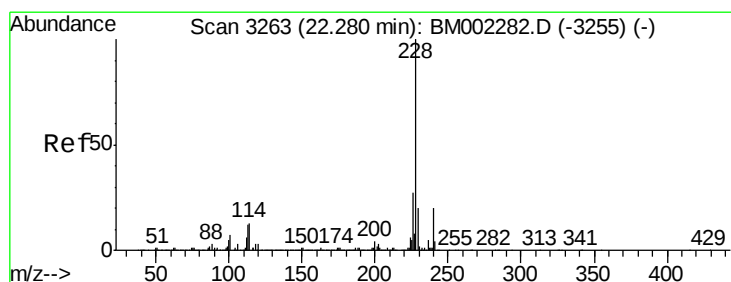
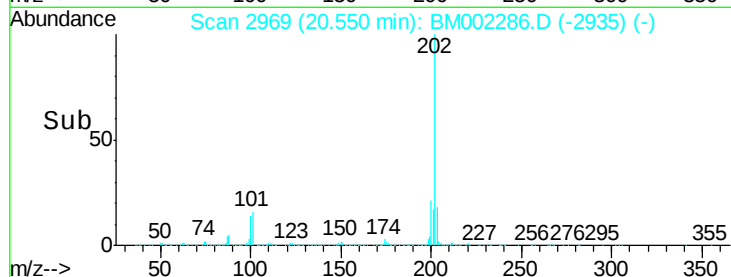
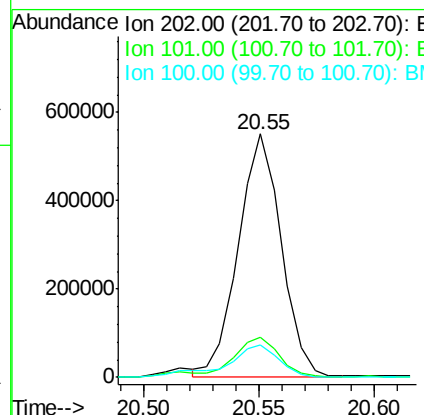
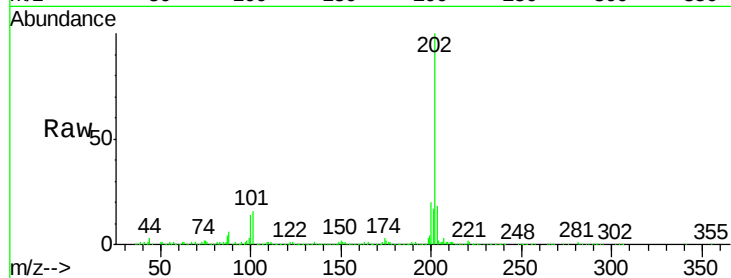




#19
 Pyrene
 Concen: 10.06 ng/ul
 RT: 20.55 min Scan# 2969
 Delta R.T. 0.00 min
 Lab File: BM002286.D
 Acq: 08 Aug 2015 21:18

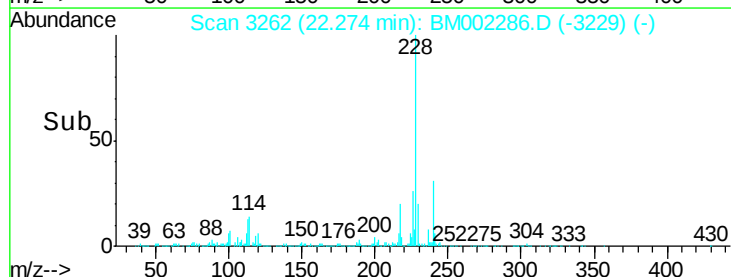
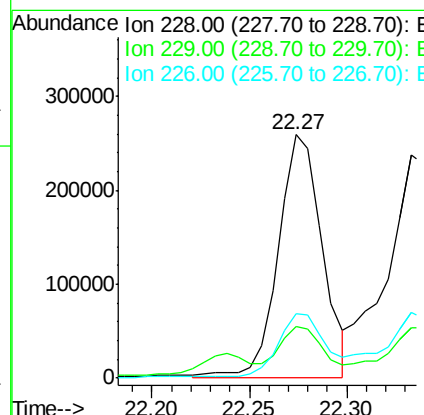
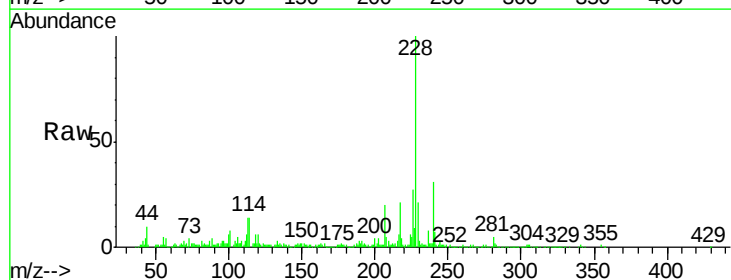
Instrument :
 BNA_M
 ClientSampleId :
 D9C58

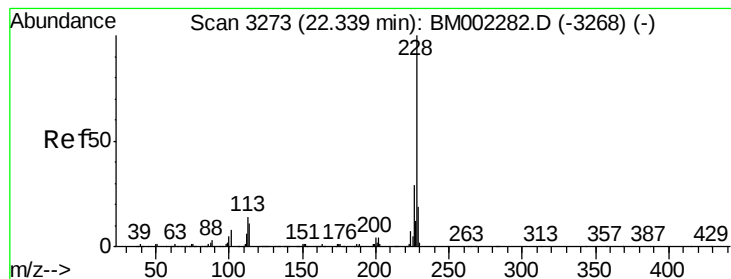
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.5	13.0	19.6
100	13.6	11.0	16.4



#20
 Benzo(a)anthracene
 Concen: 5.97 ng/ul
 RT: 22.27 min Scan# 3262
 Delta R.T. -0.01 min
 Lab File: BM002286.D
 Acq: 08 Aug 2015 21:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.7	23.5
226	26.6	21.4	32.0





#21

Chrysene

Concen: 6.52 ng/ul

RT: 22.33 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

Instrument :

BNA_M

ClientSampleId :

D9C58

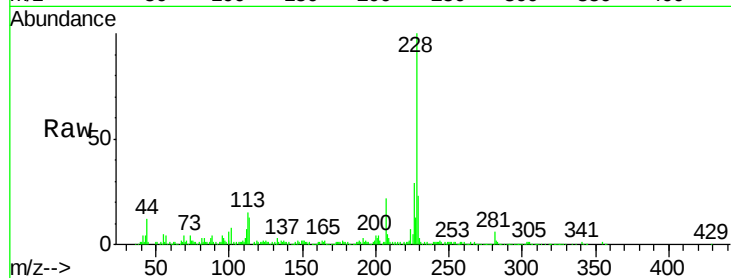
Tgt Ion:228 Resp: 414330

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

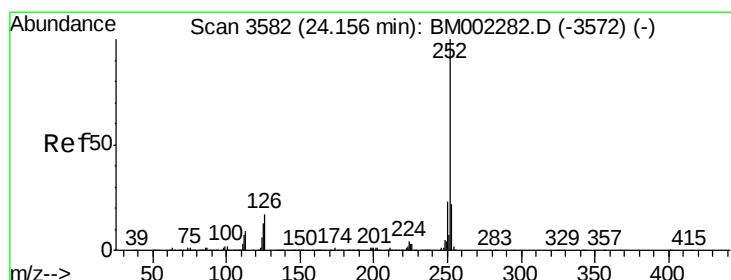
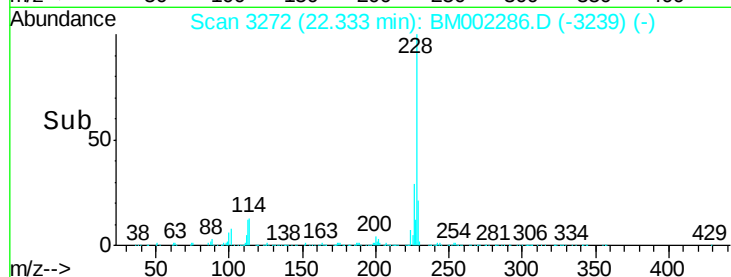
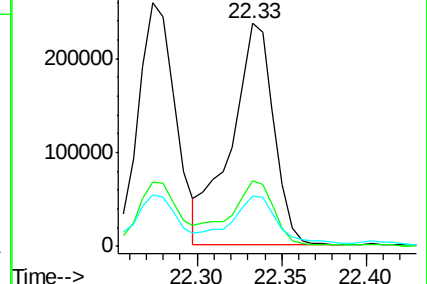
229 22.7 15.5 23.3



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



#23

Benzo(b)fluoranthene

Concen: 9.96 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

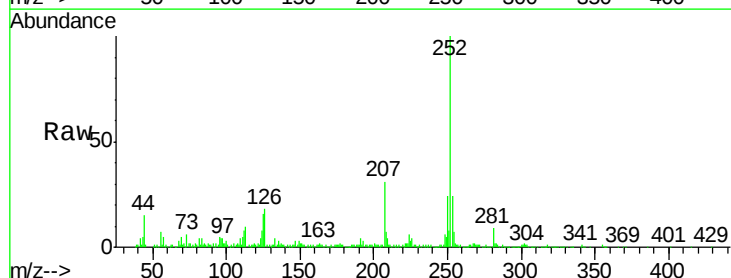
Tgt Ion:252 Resp: 563865

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

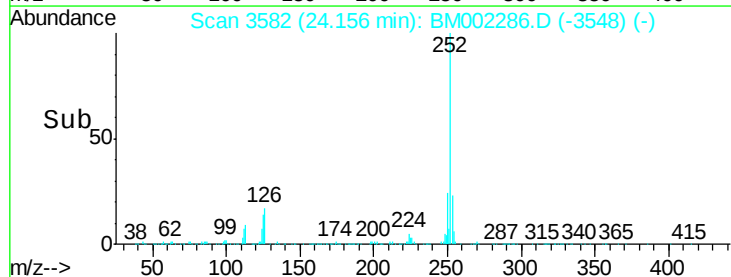
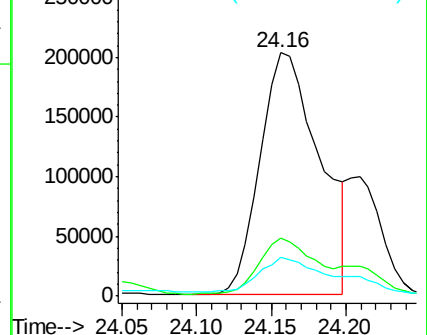
125 16.0 10.3 15.5#

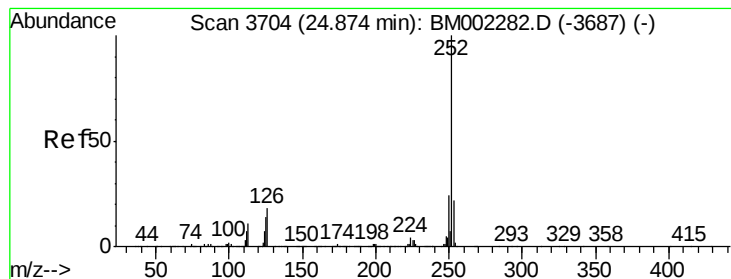


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 6.39 ng/ul

RT: 24.87 min Scan# 3704

Delta R.T. 0.00 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

Instrument :

BNA_M

ClientSampleId :

D9C58

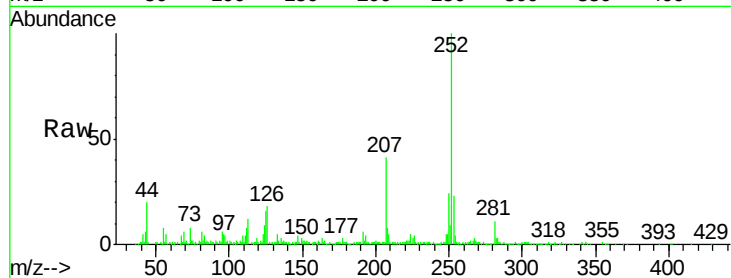
Tgt Ion:252 Resp: 346227

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

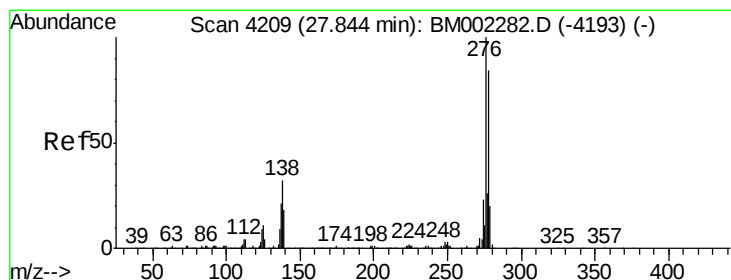
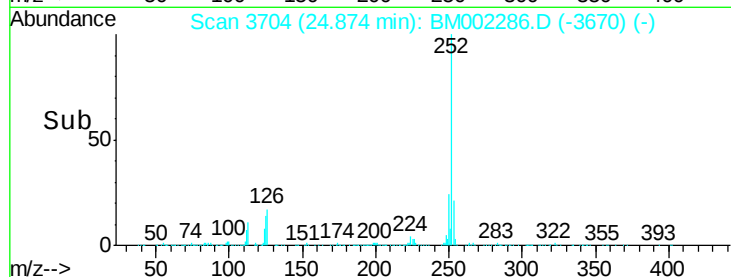
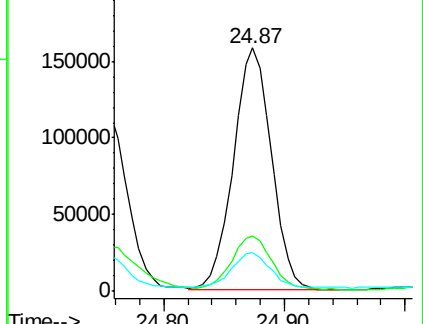
125 15.9 11.0 16.6



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BM002286.D

Acq: 08 Aug 2015 21:18

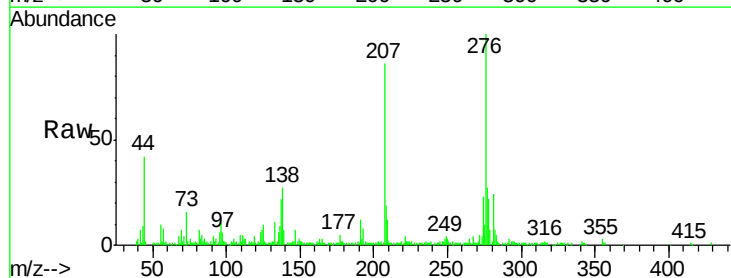
Tgt Ion:276 Resp: 245708

Ion Ratio Lower Upper

276 100

138 27.2 25.6 38.4

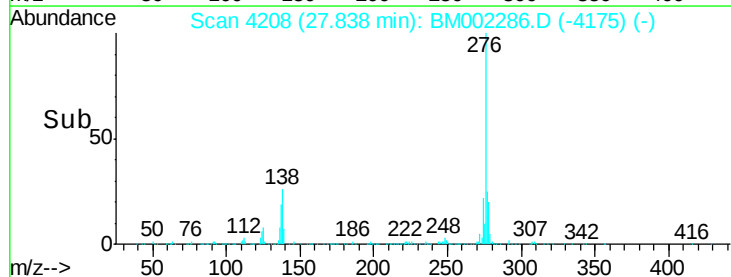
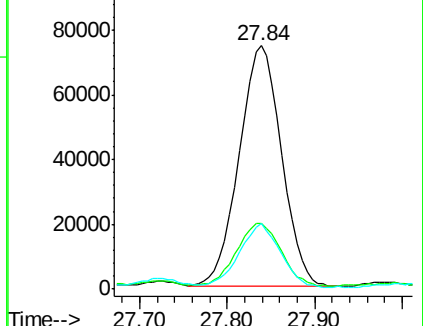
277 26.7 21.0 31.4

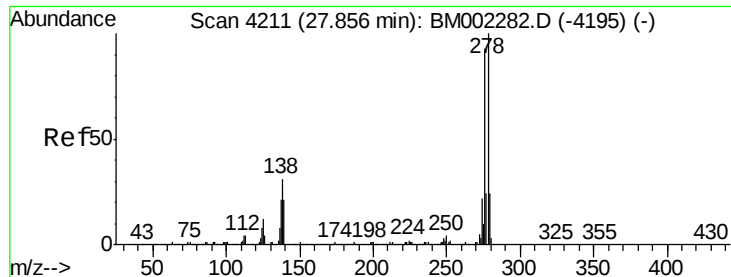


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

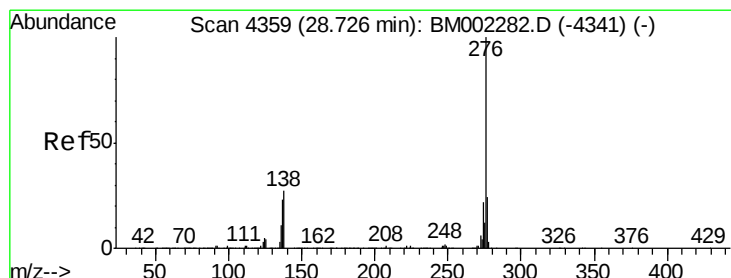
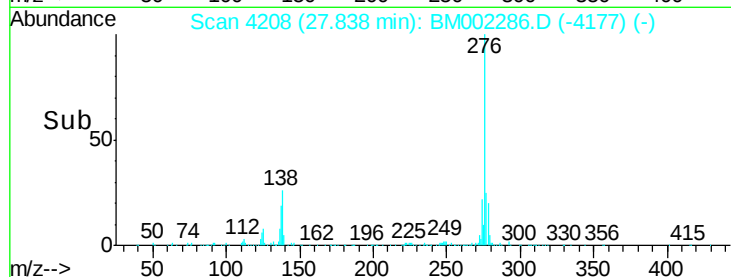
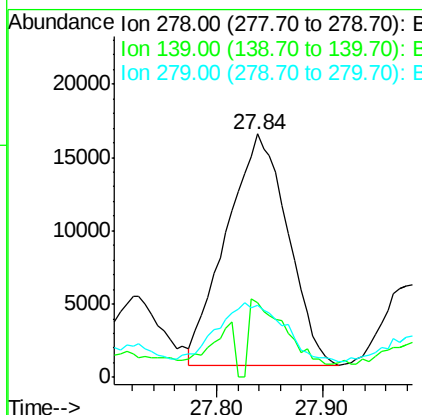
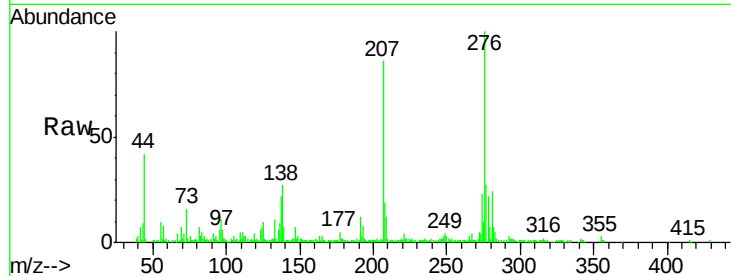




#28
Dibenzo(a,h)anthracene
Concen: 1.22 ng/ul
RT: 27.84 min Scan# 4208
Delta R.T. -0.02 min
Lab File: BM002286.D
Acq: 08 Aug 2015 21:18

Instrument :
BNA_M
ClientSampleId :
D9C58

Tgt Ion:278 Resp: 64124
Ion Ratio Lower Upper
278 100
139 30.8 16.4 24.6#
279 29.8 18.8 28.2#



#29
Benzo(g,h,i)perylene
Concen: 4.41 ng/ul
RT: 28.73 min Scan# 4359
Delta R.T. 0.00 min
Lab File: BM002286.D
Acq: 08 Aug 2015 21:18

Tgt Ion:276 Resp: 231244
Ion Ratio Lower Upper
276 100
138 30.4 20.5 30.7
277 24.4 19.0 28.6

