

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002582.D
 Acq On : 30 Aug 2015 01:47
 Operator : UM/IZ
 Sample : G3455-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E83

Quant Time: Aug 31 01:36:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

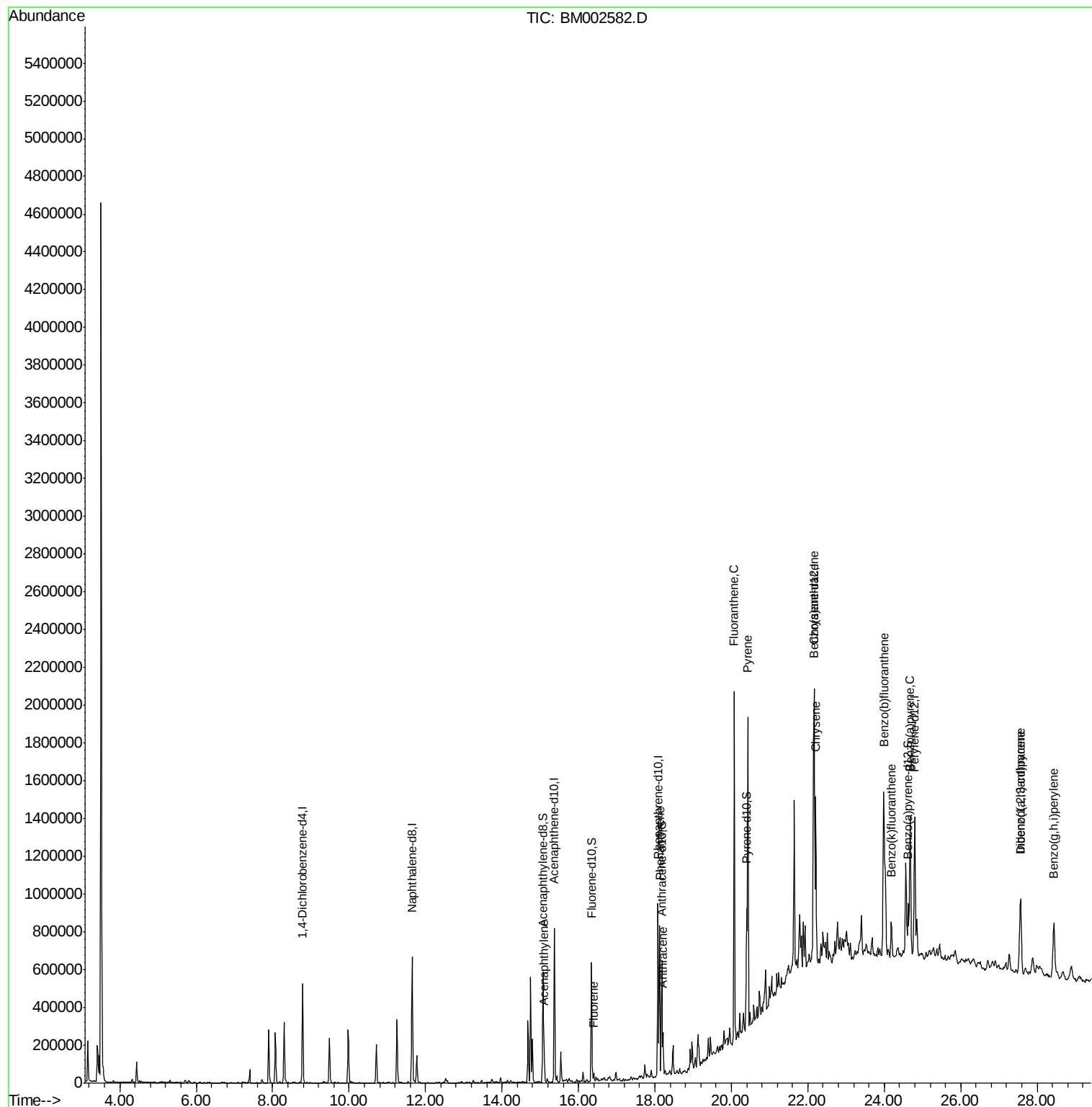
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	159975	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	633778	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	287142	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	549562	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	577044	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	606004	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	439121	14.96	ng/ul	0.00
10) Fluorene-d10	16.34	176	262257	12.72	ng/ul	0.00
14) Anthracene-d10	18.18	188	344670	13.00	ng/ul	0.00
18) Pyrene-d10	20.40	212	275254	10.76	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	220973	6.94	ng/ul	0.02
Target Compounds						
8) Acenaphthylene	15.10	152	122146	3.98	ng/ul	Qvalue 99
11) Fluorene	16.40	166	23211	1.00	ng/ul	96
13) Phenanthrene	18.12	178	492178	15.51	ng/ul	99
15) Anthracene	18.22	178	144740	4.50	ng/ul	100
16) Fluoranthene	20.07	202	1131938	31.51	ng/ul	96
19) Pyrene	20.43	202	980366	29.00	ng/ul	98
20) Benzo(a)anthracene	22.14	228	584496	16.94	ng/ul	98
21) Chrysene	22.20	228	550936	17.07	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	841817	22.98	ng/ul	96
24) Benzo(k)fluoranthene	24.19	252	131289	3.78	ng/ul#	86
26) Benzo(a)pyrene	24.68	252	558703	15.97	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	425497	10.57	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	112847	3.35	ng/ul#	78
29) Benzo(g,h,i)perylene	28.44	276	397253	11.86	ng/ul	96

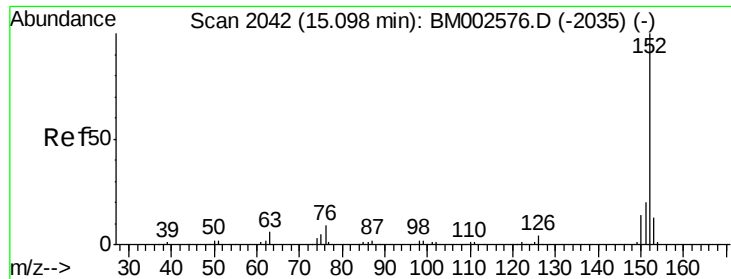
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 31 01:34:36 2015
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#8

Acenaphthylene

Concen: 3.98 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

Instrument :

BNA_M

ClientSampleId :

D9E83

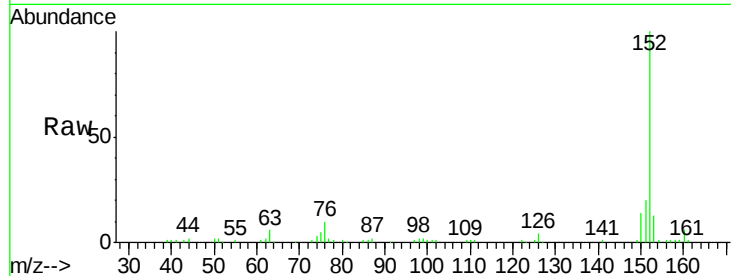
Tgt Ion:152 Resp: 122146

Ion Ratio Lower Upper

152 100

151 20.1 15.7 23.5

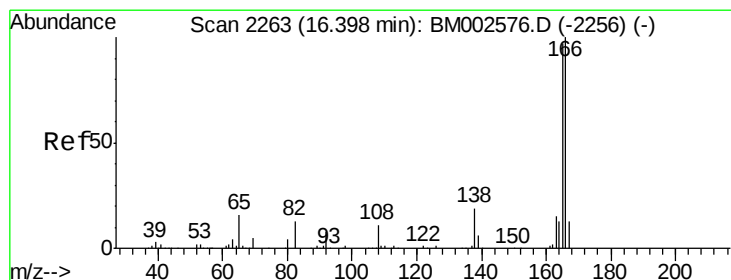
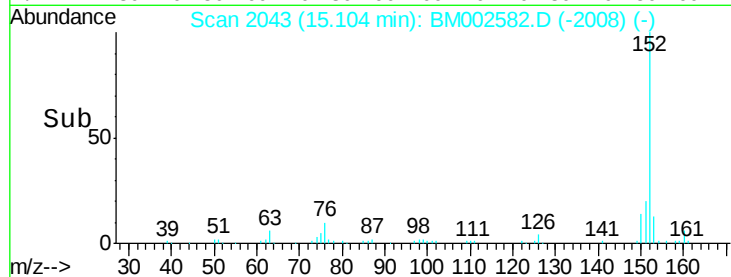
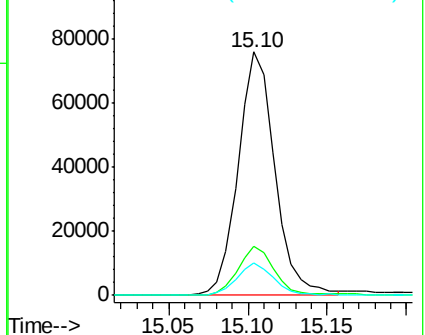
153 13.1 10.2 15.4



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



#11

Fluorene

Concen: 1.00 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

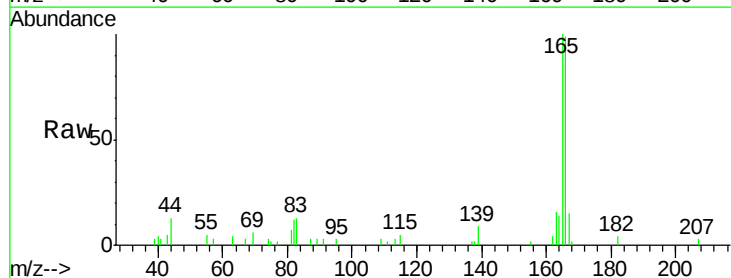
Tgt Ion:166 Resp: 23211

Ion Ratio Lower Upper

166 100

165 100.7 77.6 116.4

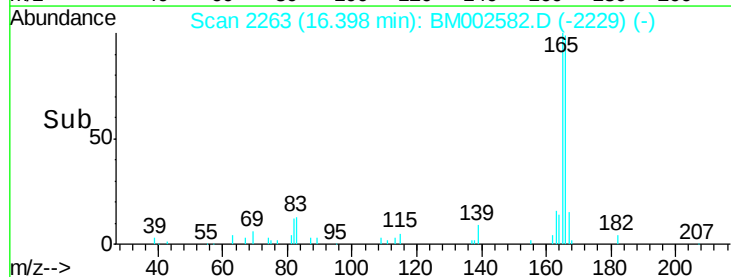
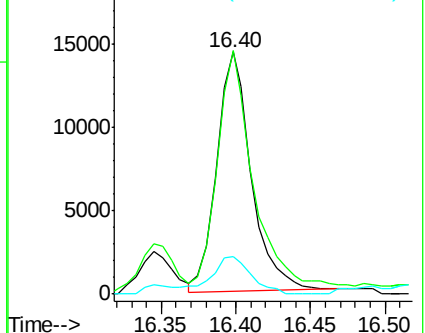
167 15.5 10.7 16.1

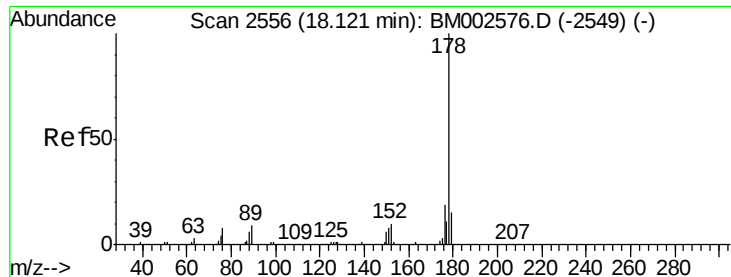


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 15.51 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

Instrument :

BNA_M

ClientSampleId :

D9E83

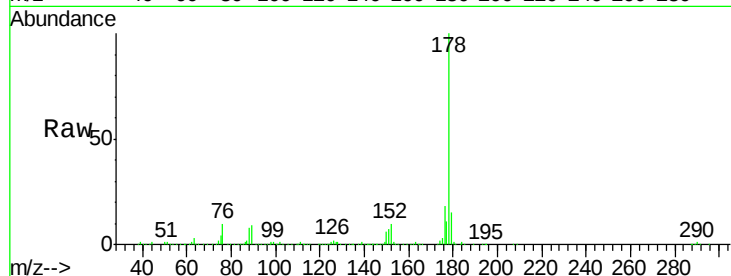
Tgt Ion:178 Resp: 492178

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

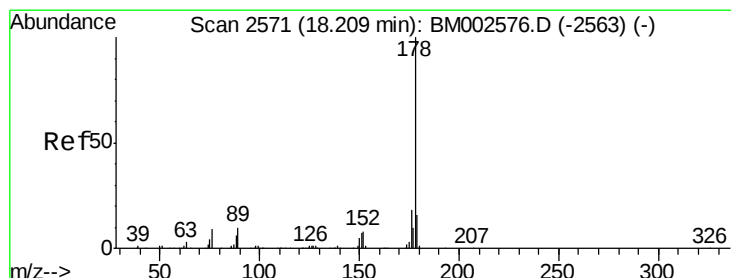
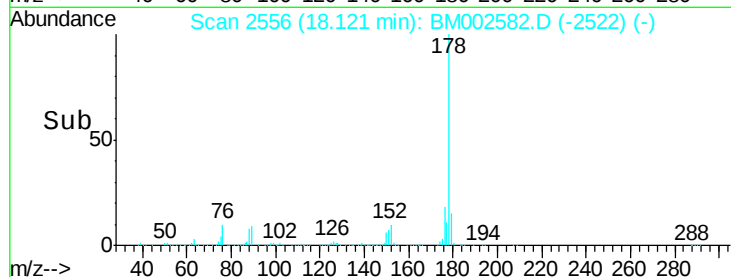
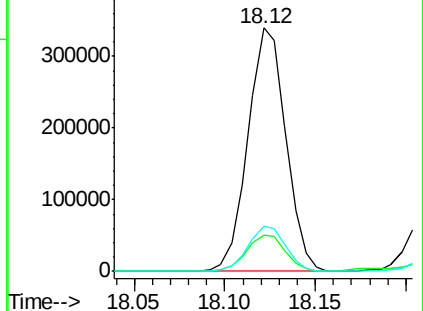
176 18.4 15.1 22.7



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



#15

Anthracene

Concen: 4.50 ng/ul

RT: 18.22 min Scan# 2572

Delta R.T. 0.01 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

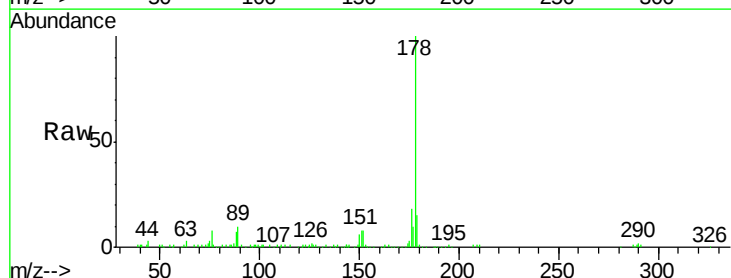
Tgt Ion:178 Resp: 144740

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

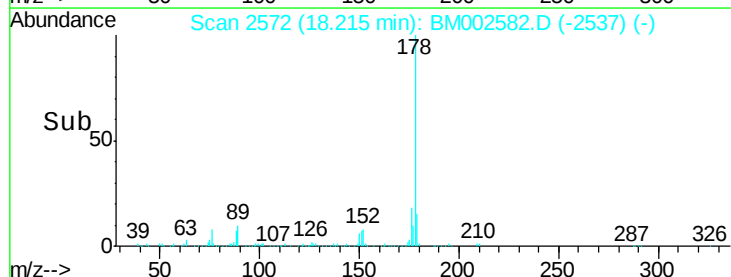
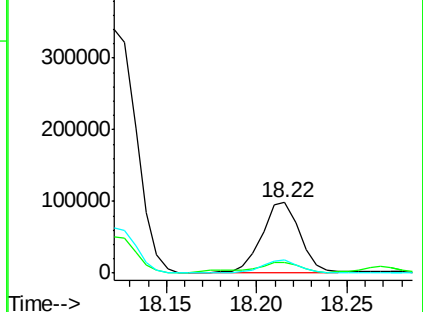
176 17.9 14.5 21.7

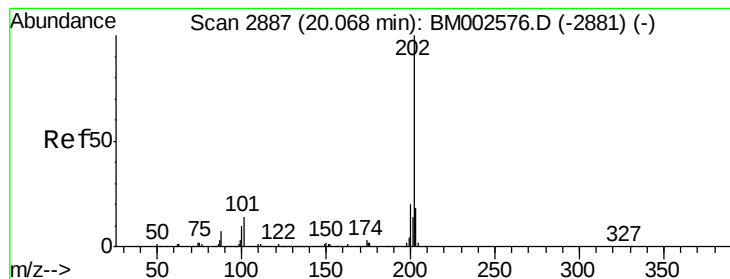


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

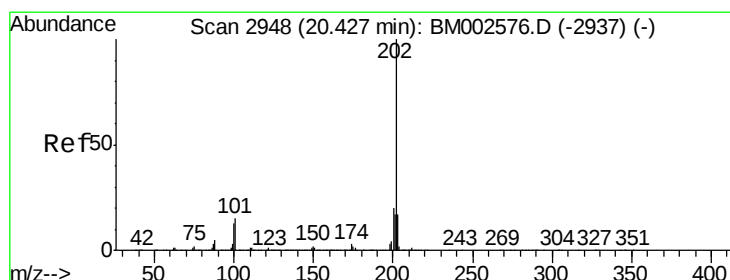
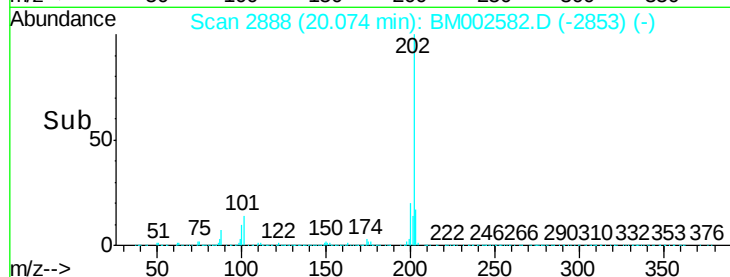
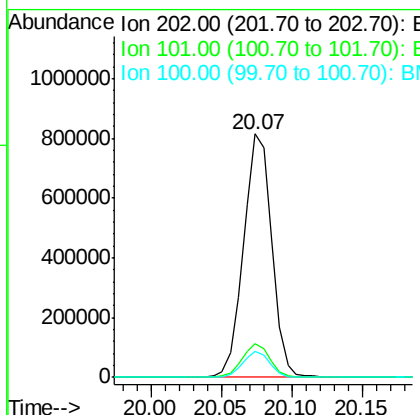
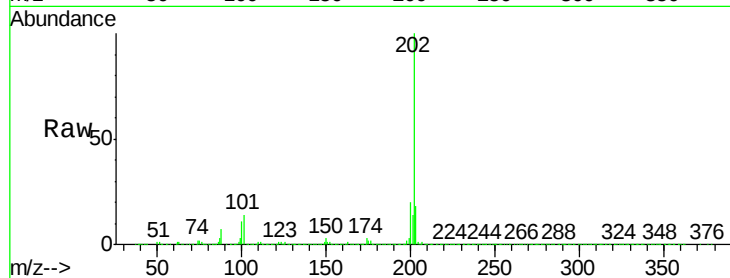




#16
Fluoranthene
 Concen: 31.51 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: BM002582.D
 Acq: 30 Aug 2015 01:47

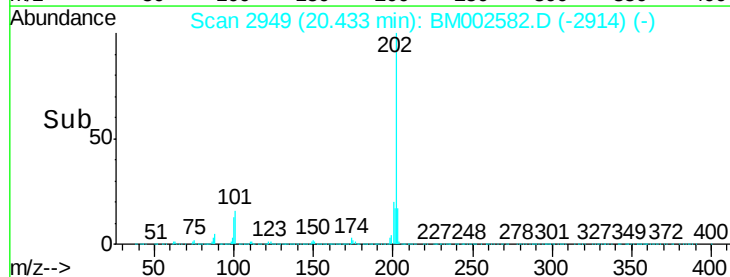
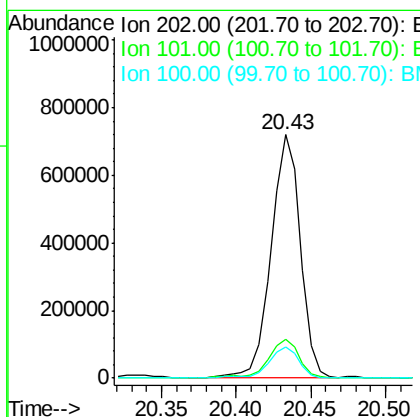
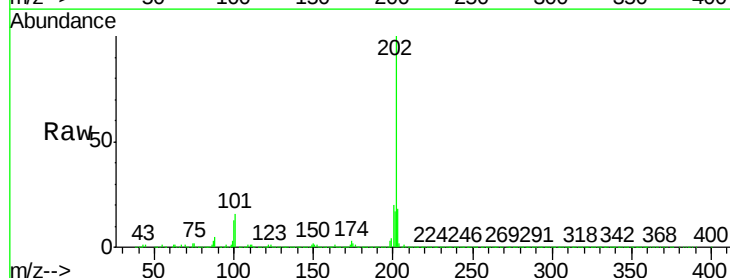
Instrument :
 BNA_M
 ClientSampleId :
 D9E83

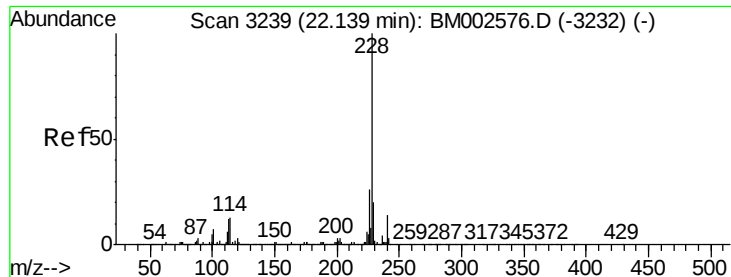
Tgt Ion:202 Resp: 1131938
 Ion Ratio Lower Upper
 202 100
 101 14.0 9.7 14.5
 100 10.5 7.4 11.2



#19
Pyrene
 Concen: 29.00 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002582.D
 Acq: 30 Aug 2015 01:47

Tgt Ion:202 Resp: 980366
 Ion Ratio Lower Upper
 202 100
 101 16.0 12.0 18.0
 100 12.9 9.7 14.5





#20

Benzo(a)anthracene

Concen: 16.94 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

Instrument :

BNA_M

ClientSampleId :

D9E83

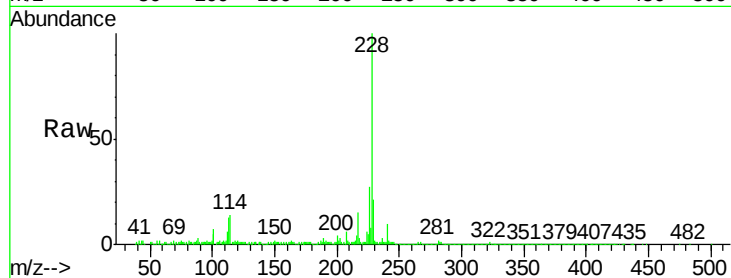
Tgt Ion:228 Resp: 584496

Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.6

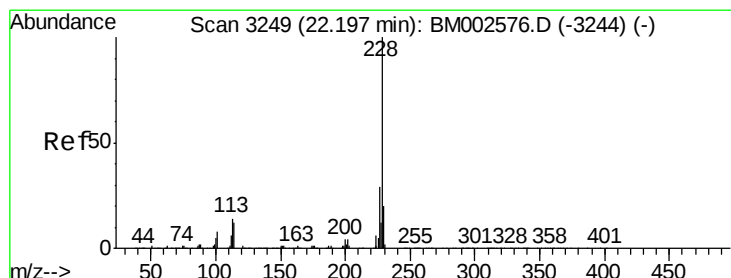
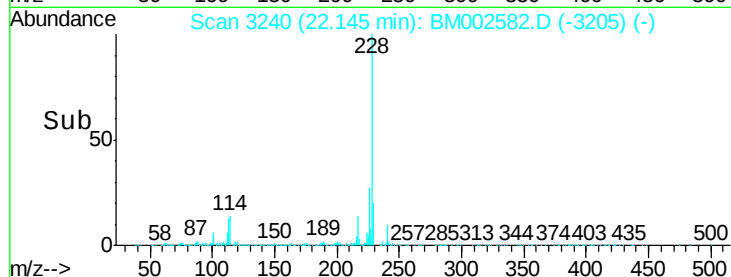
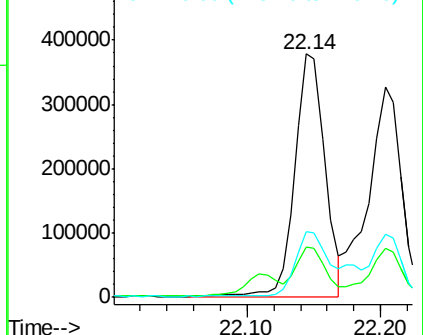
226 27.2 21.1 31.7



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



#21

Chrysene

Concen: 17.07 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. 0.01 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

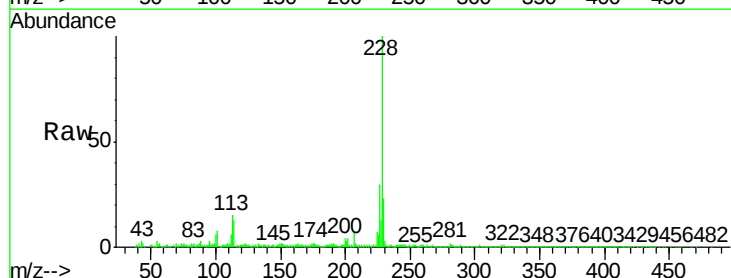
Tgt Ion:228 Resp: 550936

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

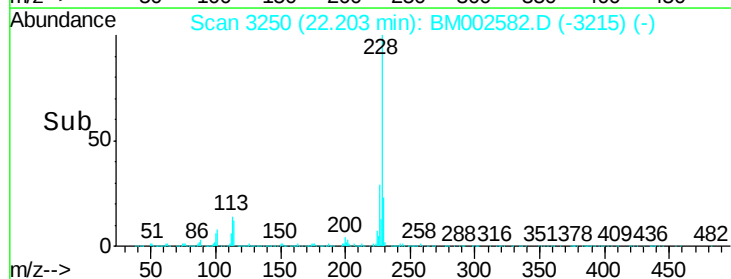
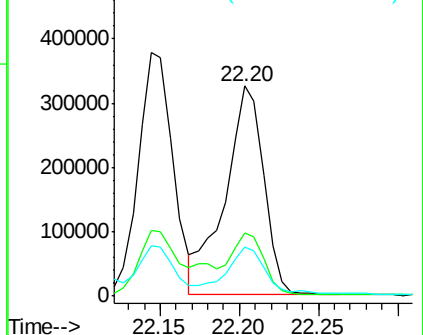
229 23.3 15.7 23.5

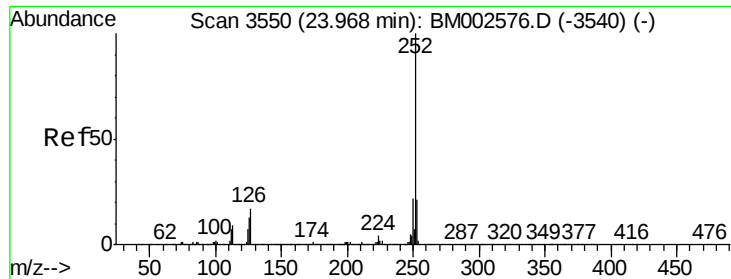


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 22.98 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.02 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

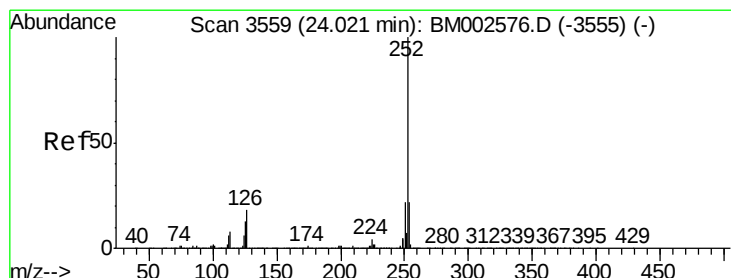
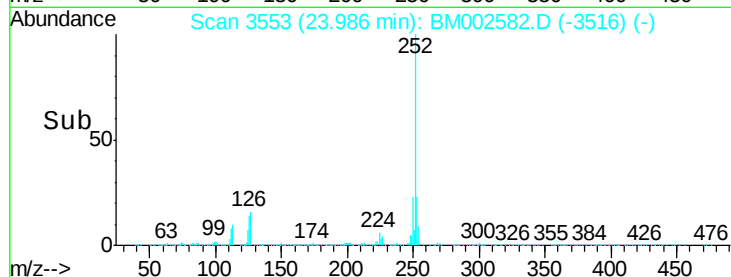
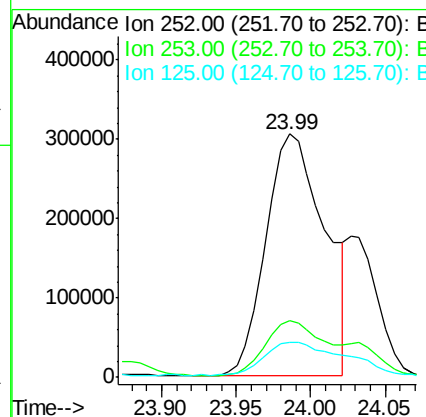
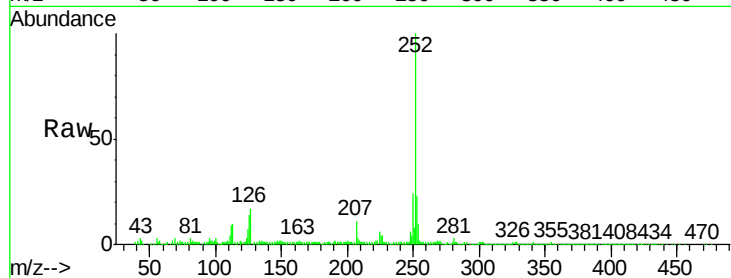
Instrument :

BNA_M

ClientSampleId :

D9E83

Tgt Ion:	252	Resp:	841817
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	14.5	10.0	15.0



#24

Benzo(k)fluoranthene

Concen: 3.78 ng/ul

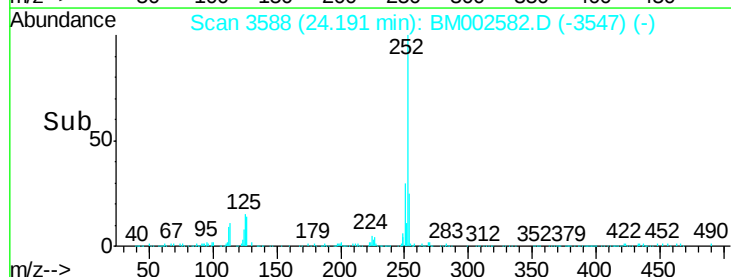
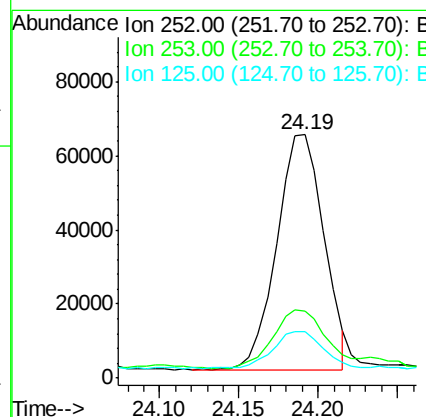
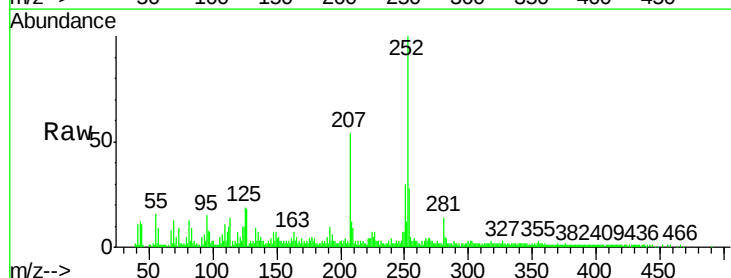
RT: 24.19 min Scan# 3588

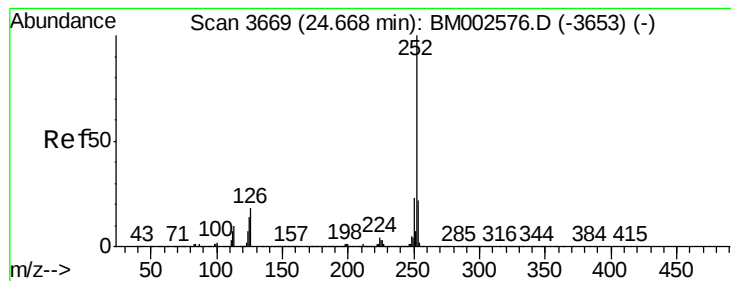
Delta R.T. 0.17 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

Tgt Ion:	252	Resp:	131289
Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.8	26.6#
125	19.0	9.8	14.8#





#26

Benzo(a)pyrene

Concen: 15.97 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

Instrument :

BNA_M

ClientSampleId :

D9E83

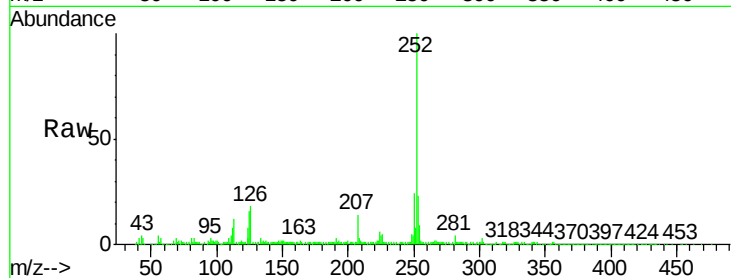
Tgt Ion:252 Resp: 558703

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

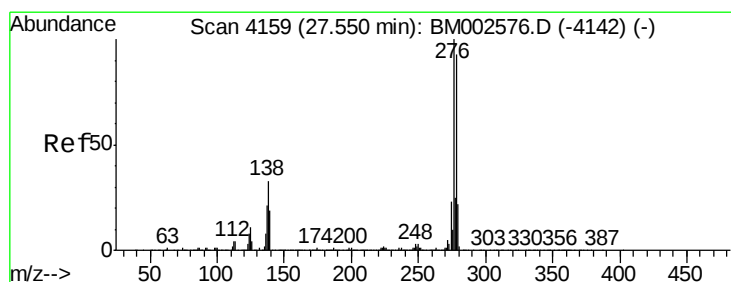
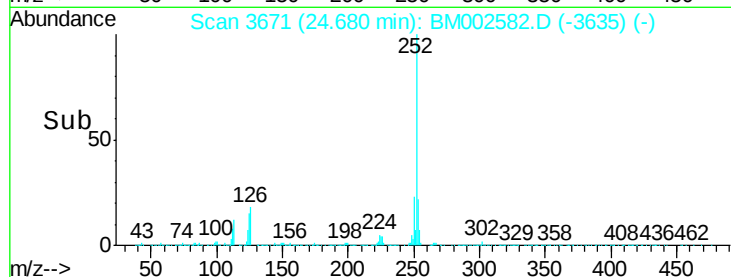
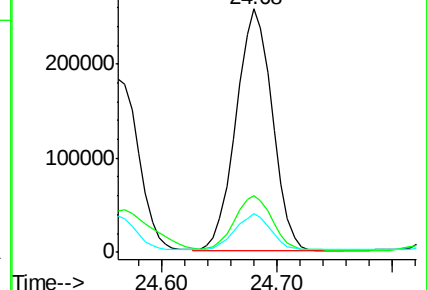
125 15.7 10.7 16.1



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 10.57 ng/ul

RT: 27.57 min Scan# 4162

Delta R.T. 0.02 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

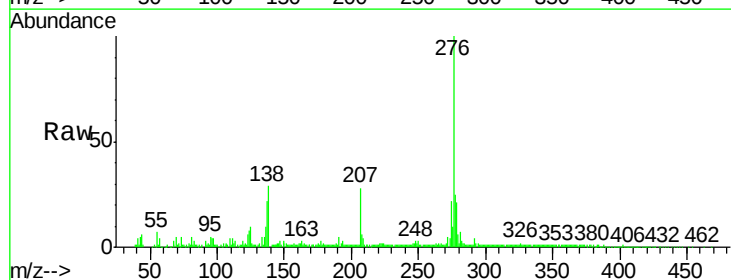
Tgt Ion:276 Resp: 425497

Ion Ratio Lower Upper

276 100

138 29.0 25.3 37.9

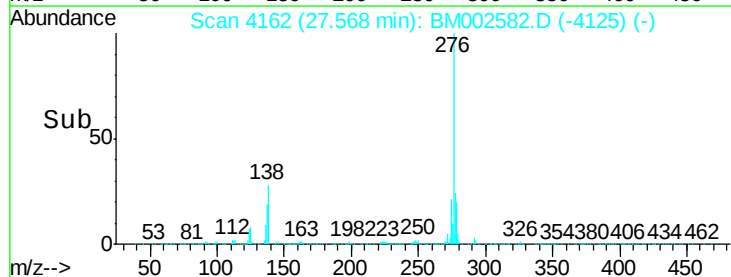
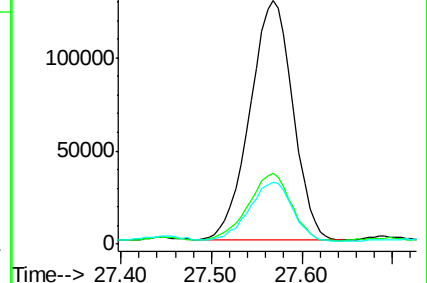
277 25.2 20.2 30.2

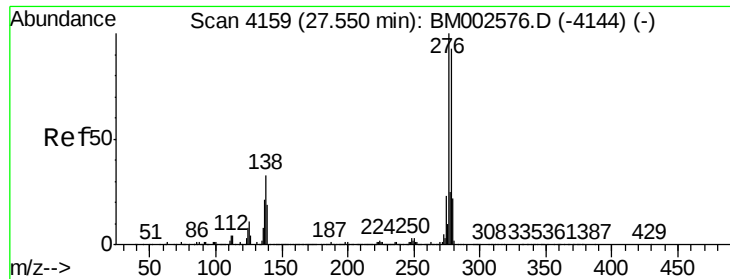


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.35 ng/ul

RT: 27.56 min Scan# 4160

Delta R.T. 0.01 min

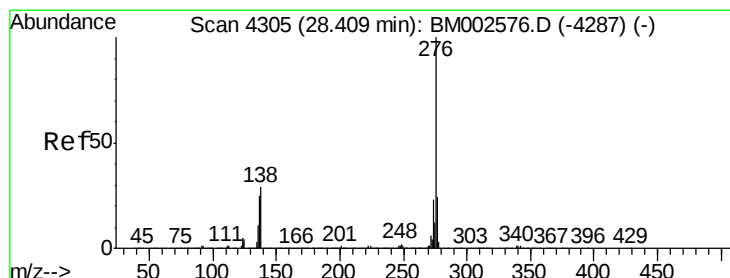
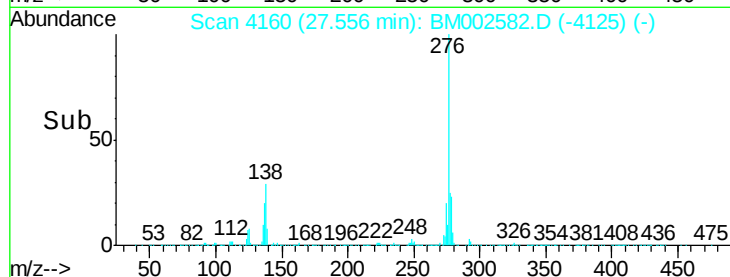
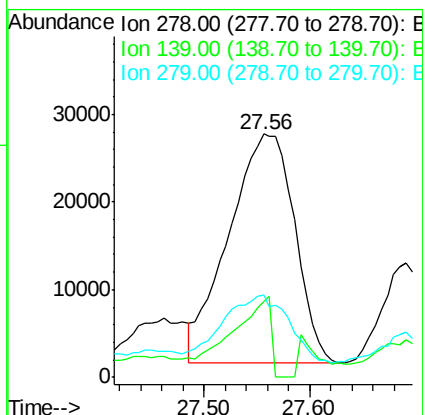
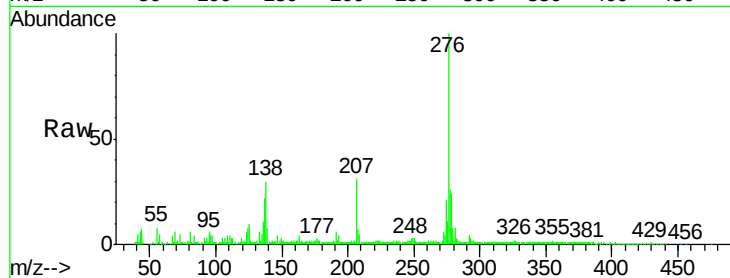
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Tgt Ion: 278 Resp: 112847

Ion	Ratio	Lower	Upper
278	100		
139	30.9	16.5	24.7#
279	33.8	18.8	28.2#



#29

Benzo(g,h,i)perylene

Concen: 11.86 ng/ul

RT: 28.44 min Scan# 4310

Delta R.T. 0.03 min

Lab File: BM002582.D

Acq: 30 Aug 2015 01:47

Tgt Ion: 276 Resp: 397253

Ion	Ratio	Lower	Upper
276	100		
138	29.6	21.0	31.6
277	25.0	19.2	28.8

