

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002580.D
 Acq On : 30 Aug 2015 00:34
 Operator : UM/IZ
 Sample : G3455-18MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MS

Quant Time: Aug 31 01:36:16 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	167992	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	658549	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	282538	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	513430	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	529732	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	560022	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	453439	15.70	ng/ul	0.00
10) Fluorene-d10	16.34	176	285314	14.06	ng/ul	0.00
14) Anthracene-d10	18.18	188	378649	15.29	ng/ul	0.00
18) Pyrene-d10	20.40	212	361579	15.40	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	329350	11.20	ng/ul	0.02

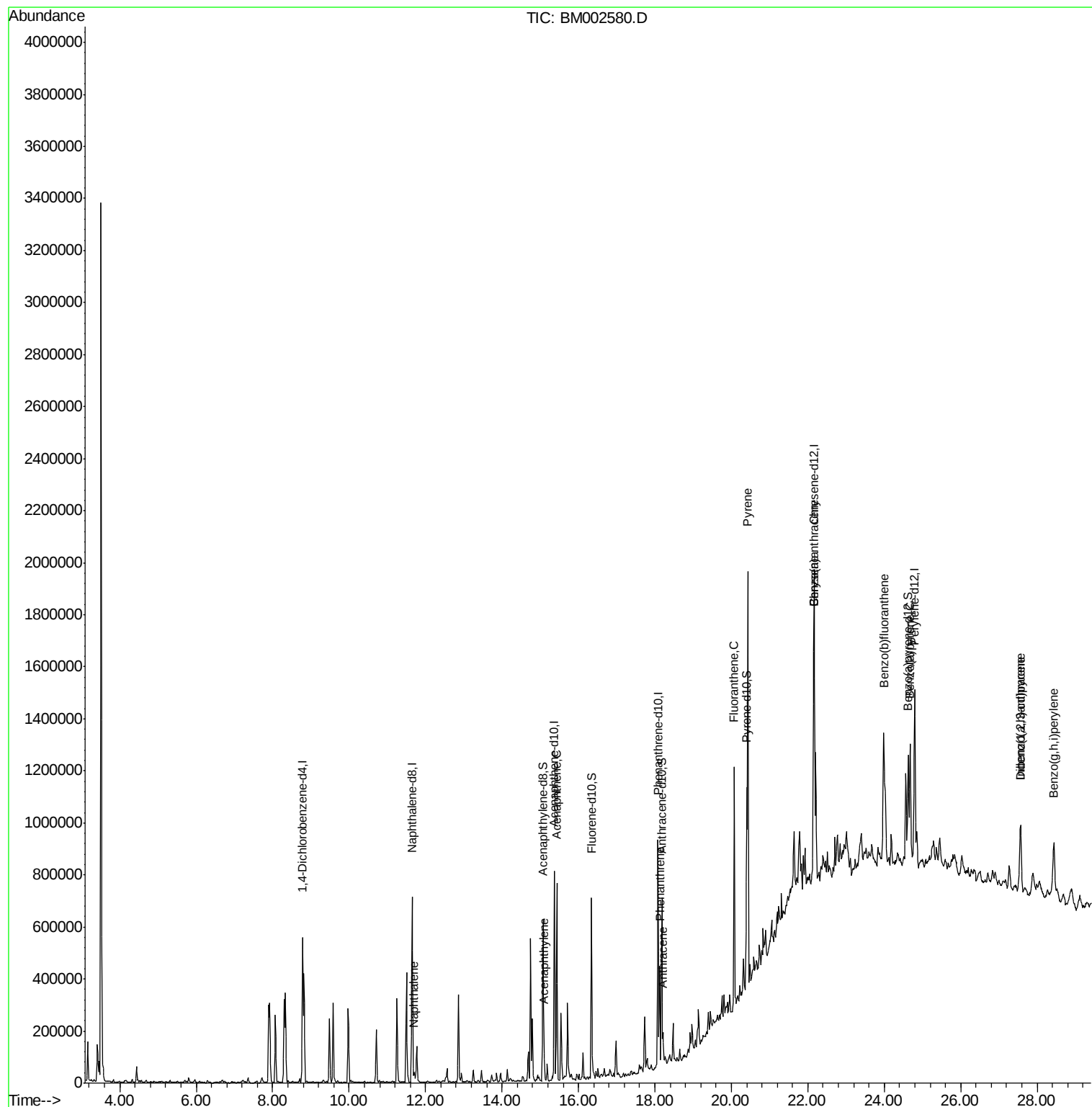
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.70	128	37868	1.13	ng/ul	99
8) Acenaphthylene	15.10	152	74910	2.48	ng/ul	98
9) Acenaphthene	15.43	153	313906	15.76	ng/ul	99
13) Phenanthrene	18.12	178	233388	7.87	ng/ul	99
15) Anthracene	18.22	178	73304	2.44	ng/ul	99
16) Fluoranthene	20.07	202	546665	16.29	ng/ul	96
19) Pyrene	20.43	202	958748	30.89	ng/ul	98
20) Benzo(a)anthracene	22.14	228	320598	10.12	ng/ul	98
21) Chrysene	22.14	228	320538	10.82	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	500310	14.78	ng/ul#	95
26) Benzo(a)pyrene	24.68	252	338342	10.46	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.57	276	276249	7.43	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	86814	2.79	ng/ul#	72
29) Benzo(g,h,i)perylene	28.43	276	306056	9.89	ng/ul	96

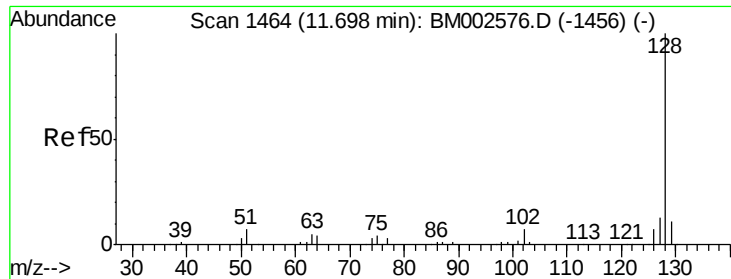
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 31 01:36:16 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:34:36 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.13 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

D9E82MS

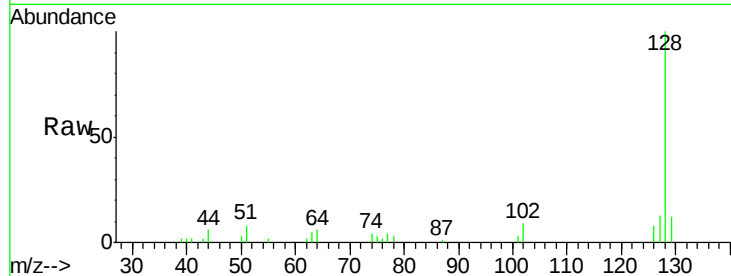
Tgt Ion:128 Resp: 37868

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

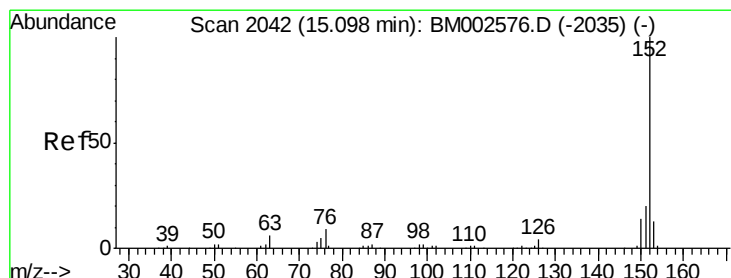
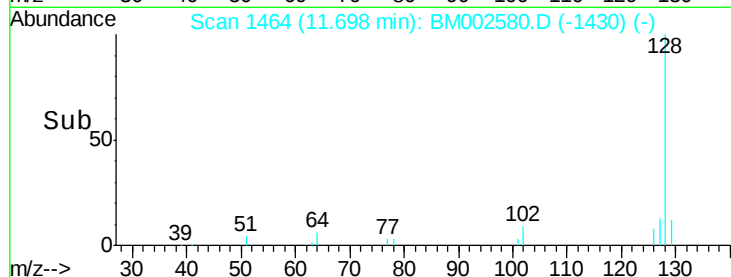
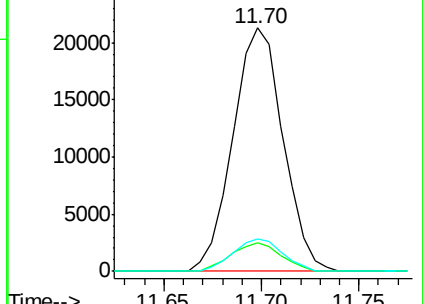
127 13.2 10.4 15.6



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



#8

Acenaphthylene

Concen: 2.48 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

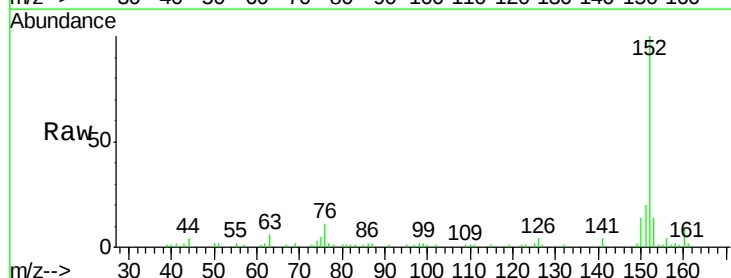
Tgt Ion:152 Resp: 74910

Ion Ratio Lower Upper

152 100

151 20.2 15.7 23.5

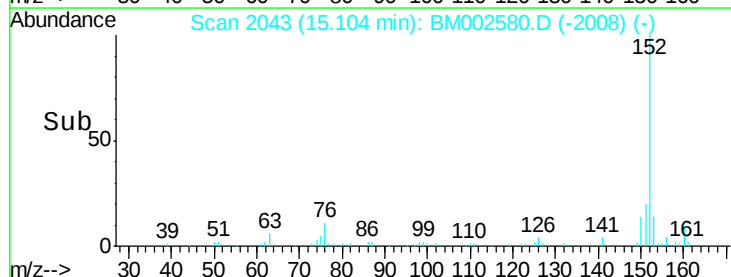
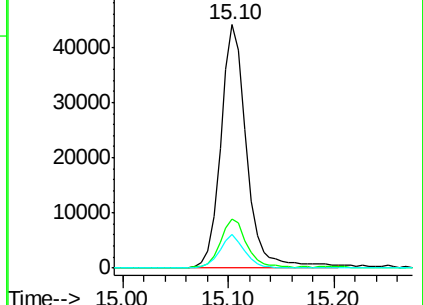
153 13.7 10.2 15.4

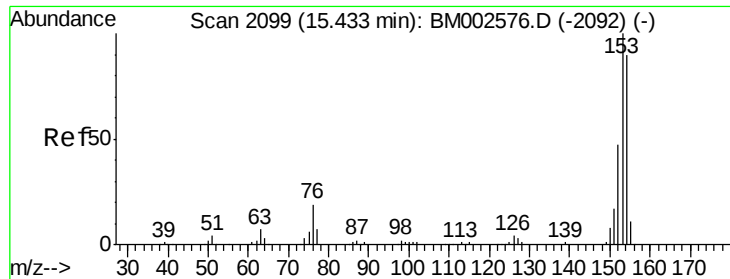


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 15.76 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

D9E82MS

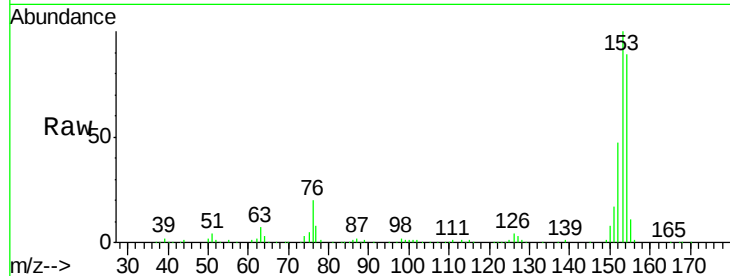
Tgt Ion:153 Resp: 313906

Ion Ratio Lower Upper

153 100

152 47.0 36.9 55.3

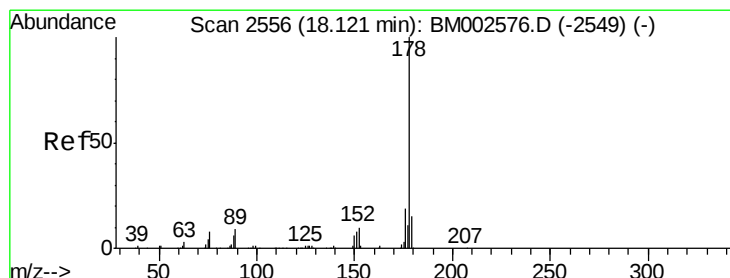
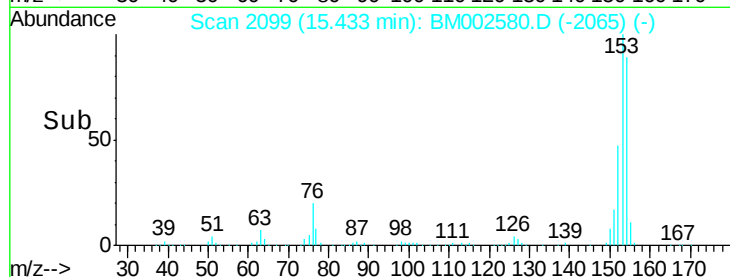
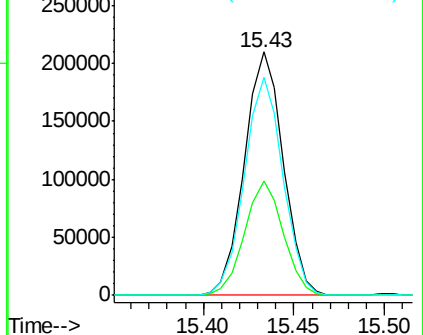
154 89.3 71.3 106.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#13

Phenanthrene

Concen: 7.87 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

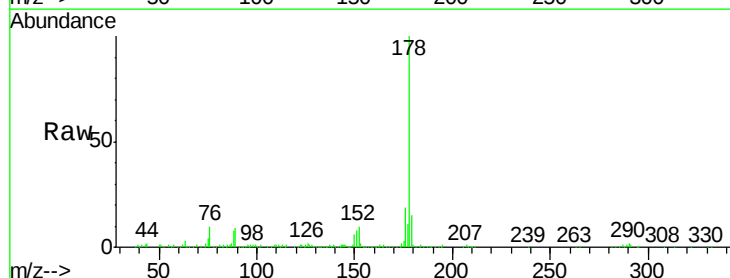
Tgt Ion:178 Resp: 233388

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

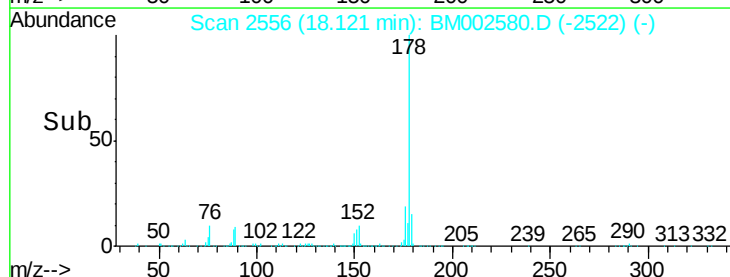
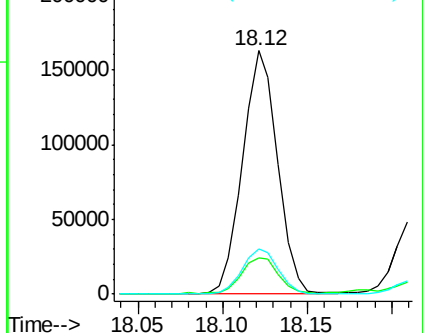
176 18.6 15.1 22.7

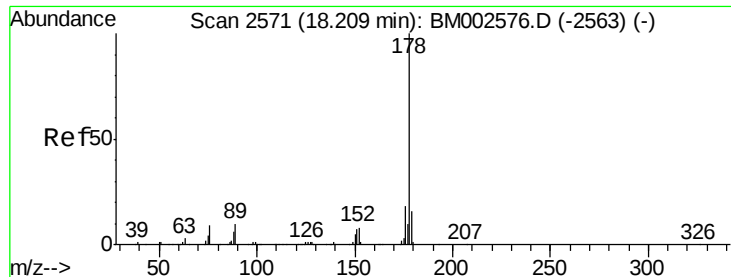


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

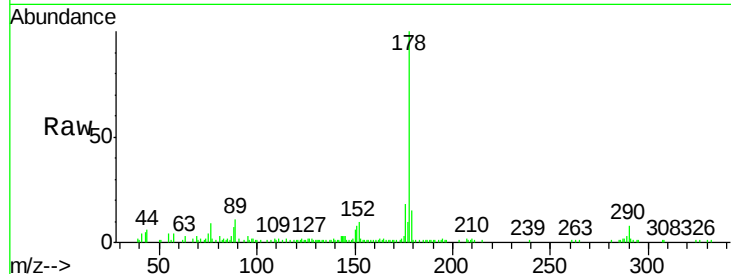




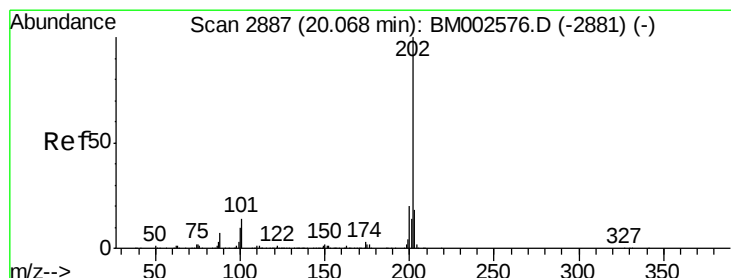
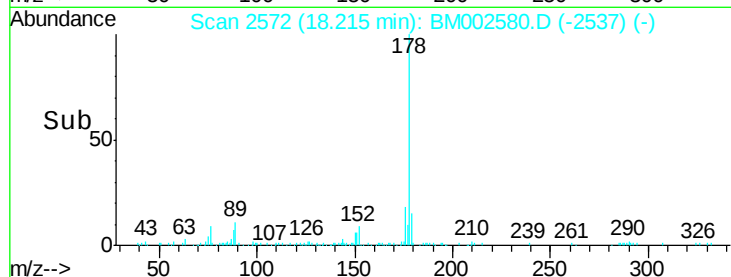
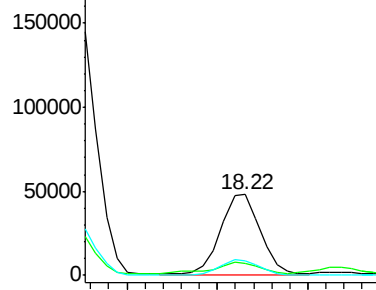
#15
 Anthracene
 Concen: 2.44 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Instrument :
 BNA_M
 ClientSampleId :
 D9E82MS

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	18.5	14.5	21.7

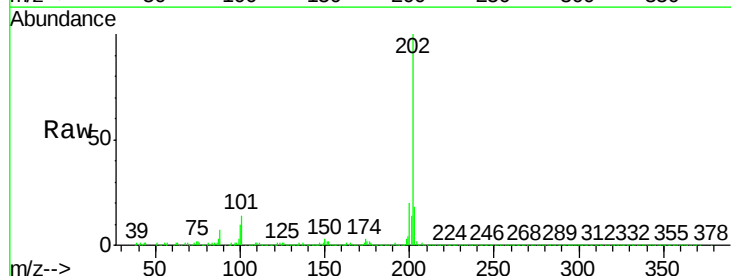


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

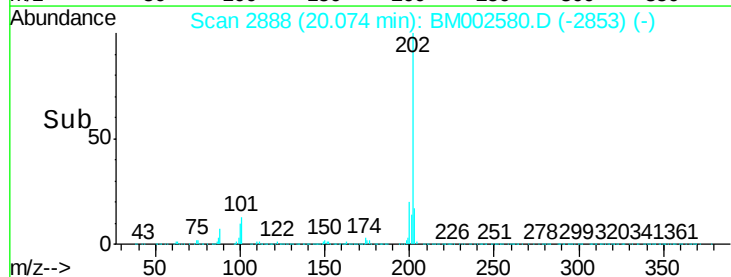
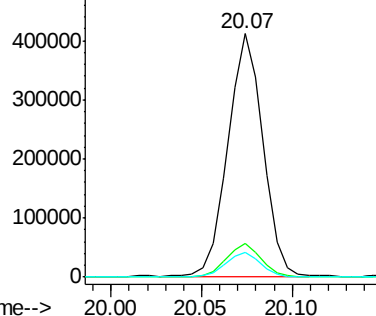


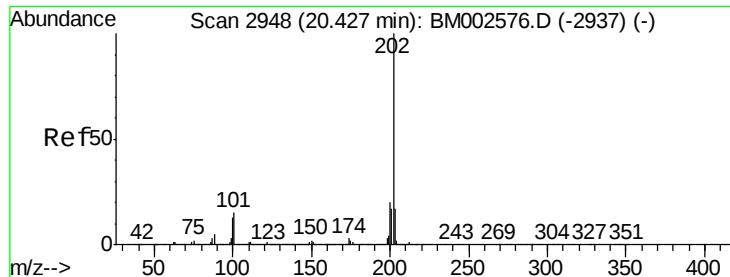
#16
 Fluoranthene
 Concen: 16.29 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: BM002580.D
 Acq: 30 Aug 2015 00:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	10.3	7.4	11.2



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: 30.89 ng/ul

RT: 20.43 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

D9E82MS

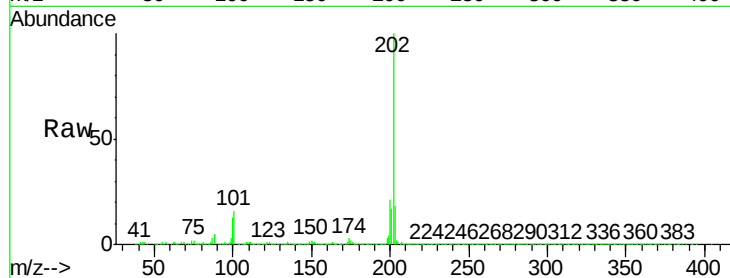
Tgt Ion:202 Resp: 958748

Ion Ratio Lower Upper

202 100

101 15.9 12.0 18.0

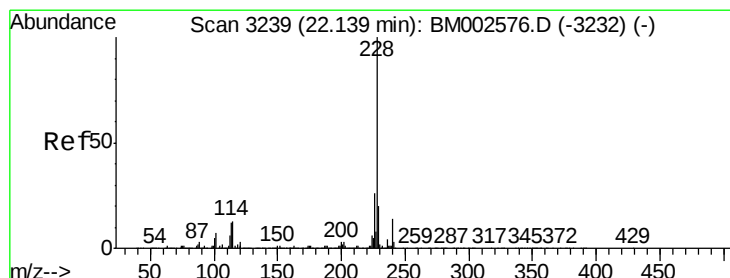
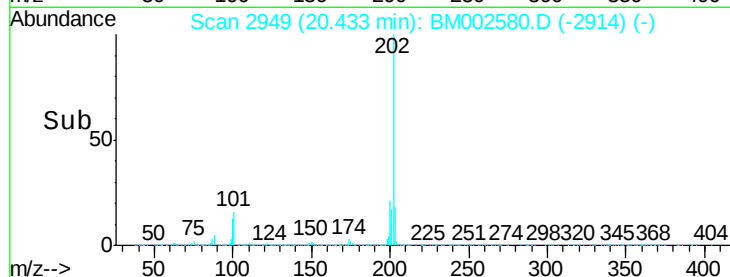
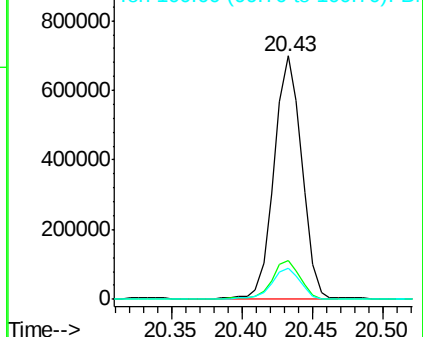
100 12.9 9.7 14.5



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



#20

Benzo(a)anthracene

Concen: 10.12 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

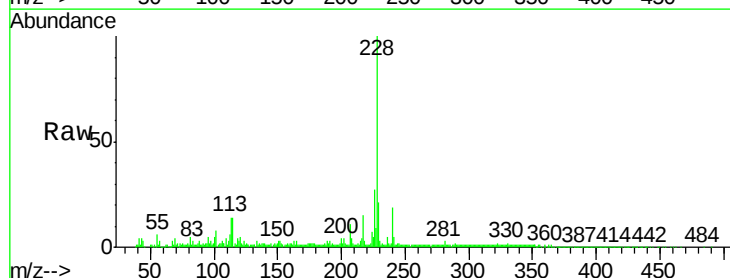
Tgt Ion:228 Resp: 320598

Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.6

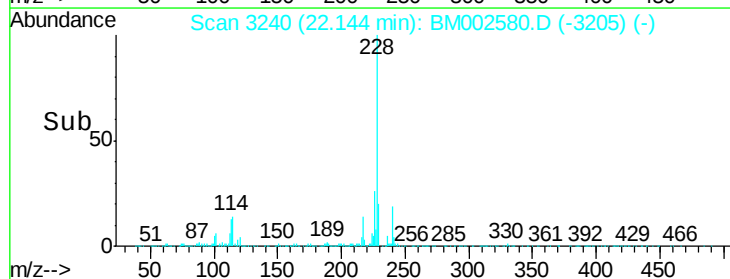
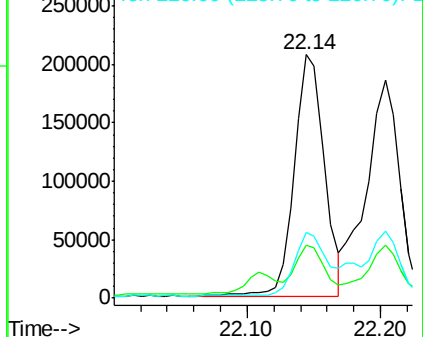
226 26.9 21.1 31.7

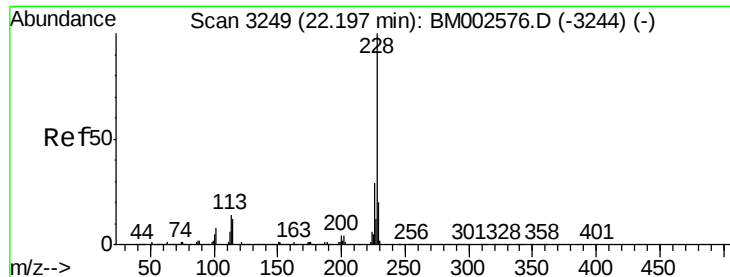


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 10.82 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

D9E82MS

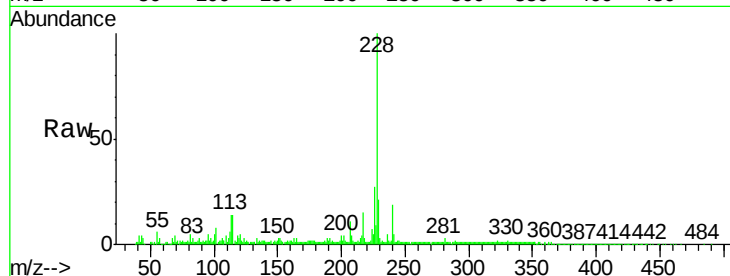
Tgt Ion:228 Resp: 320538

Ion Ratio Lower Upper

228 100

226 26.9 23.4 35.2

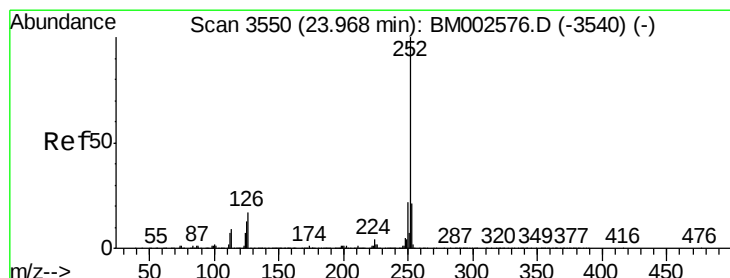
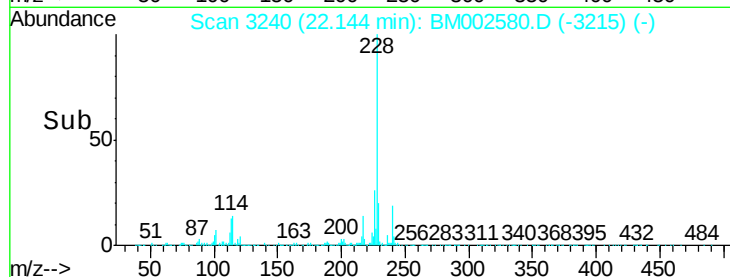
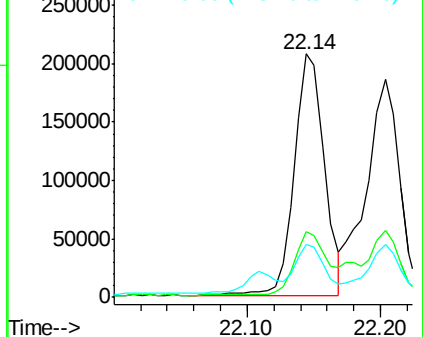
229 21.5 15.7 23.5



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: 14.78 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.02 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

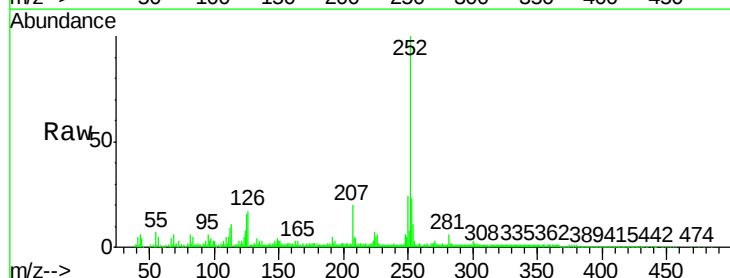
Tgt Ion:252 Resp: 500310

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

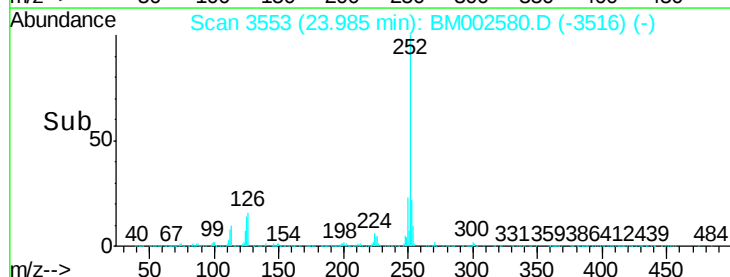
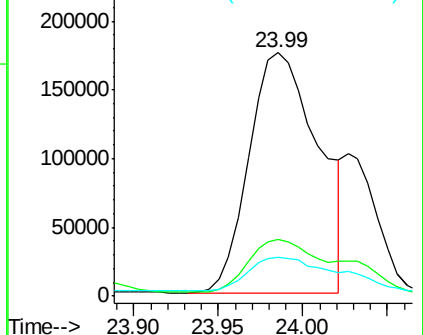
125 16.1 10.0 15.0#

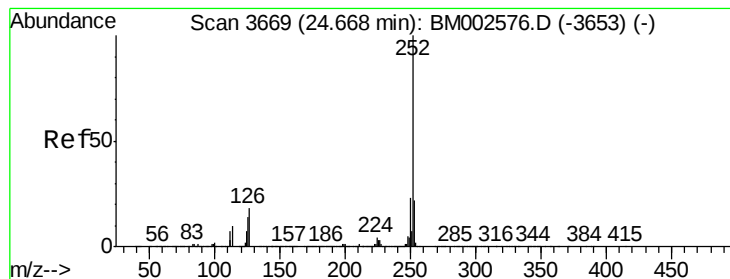


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 10.46 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

Instrument :

BNA_M

ClientSampleId :

D9E82MS

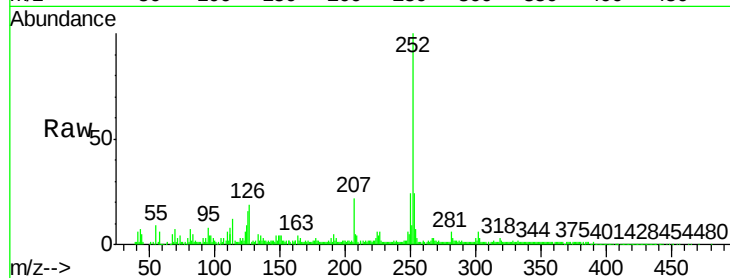
Tgt Ion:252 Resp: 338342

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

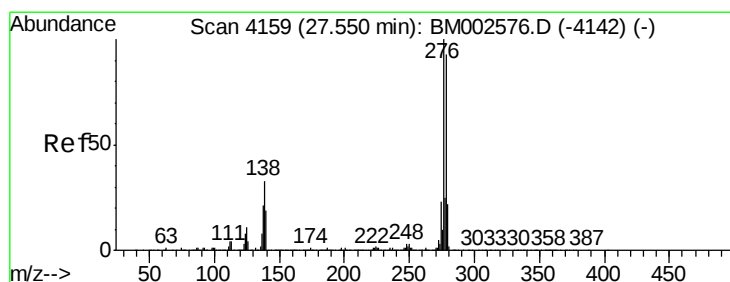
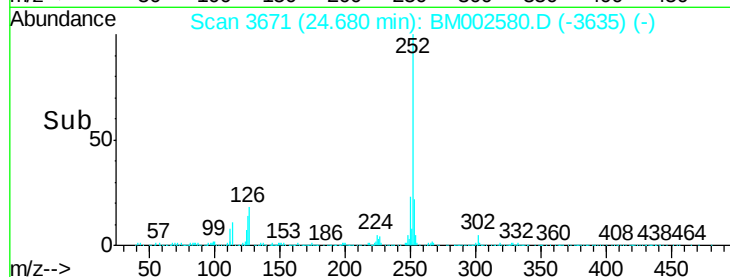
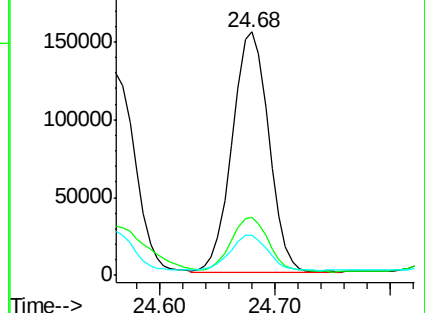
125 16.3 10.7 16.1#



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: 7.43 ng/ul

RT: 27.57 min Scan# 4162

Delta R.T. 0.02 min

Lab File: BM002580.D

Acq: 30 Aug 2015 00:34

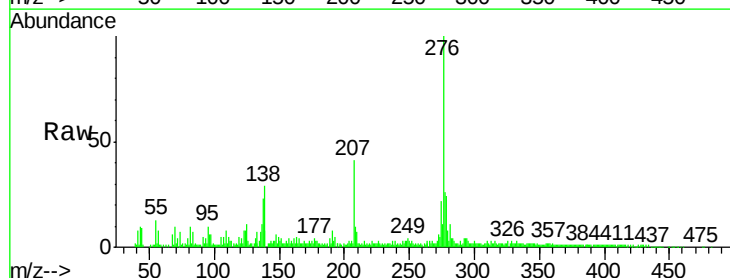
Tgt Ion:276 Resp: 276249

Ion Ratio Lower Upper

276 100

138 28.9 25.3 37.9

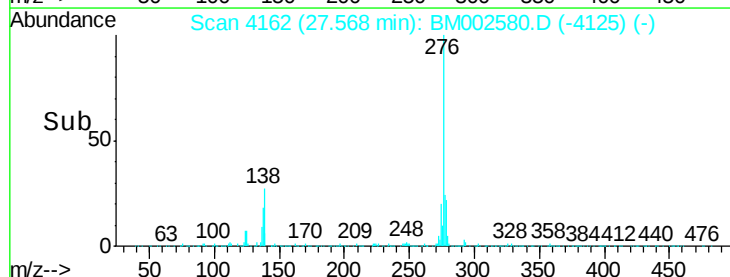
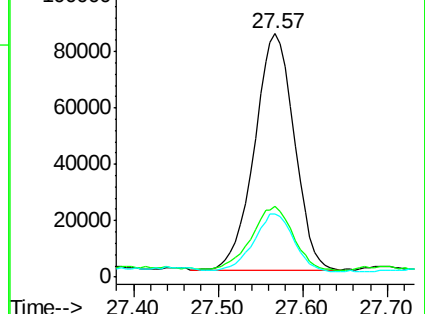
277 25.7 20.2 30.2

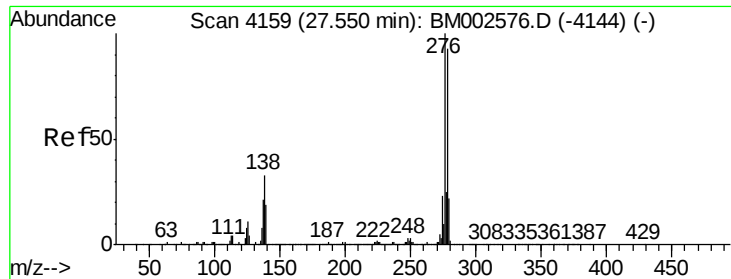


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

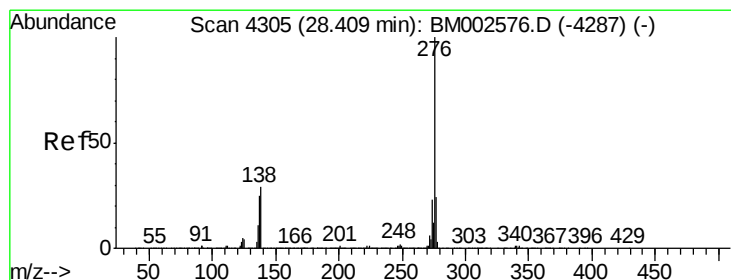
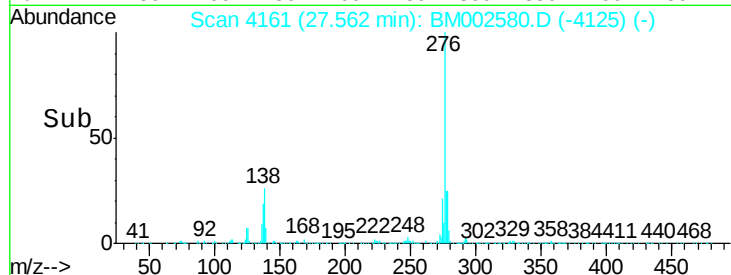
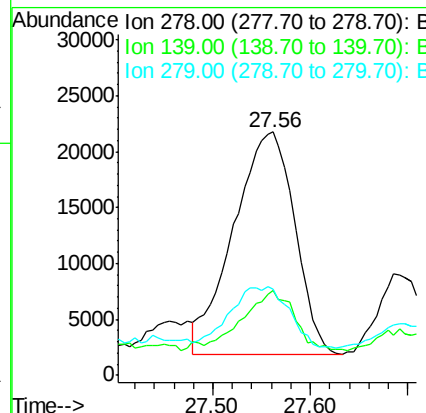
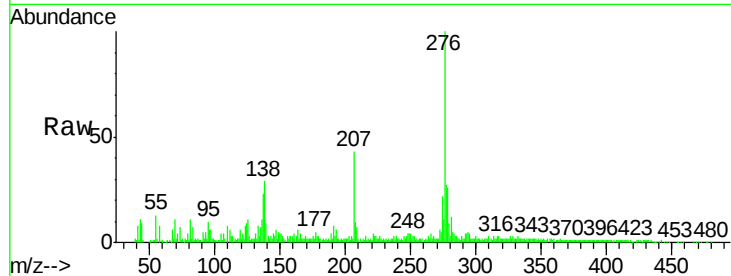




#28
Dibenzo(a,h)anthracene
Concen: 2.79 ng/ul
RT: 27.56 min Scan# 4161
Delta R.T. 0.01 min
Lab File: BM002580.D
Acq: 30 Aug 2015 00:34

Instrument :
BNA_M
ClientSampleId :
D9E82MS

Tgt Ion:278 Resp: 86814
Ion Ratio Lower Upper
278 100
139 34.9 16.5 24.7#
279 35.6 18.8 28.2#



#29
Benzo(g,h,i)perylene
Concen: 9.89 ng/ul
RT: 28.43 min Scan# 4309
Delta R.T. 0.02 min
Lab File: BM002580.D
Acq: 30 Aug 2015 00:34

Tgt Ion:276 Resp: 306056
Ion Ratio Lower Upper
276 100
138 29.3 21.0 31.6
277 24.5 19.2 28.8

