

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002371.D
 Acq On : 12 Aug 2015 21:22
 Operator : UM/IZ
 Sample : G3163-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D01

Quant Time: Aug 13 00:47:09 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 00:45:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	195669	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	907296	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	479219	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	827565	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	609513	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	625352	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1011705	20.38	ng/ul	0.00
10) Fluorene-d10	16.46	176	640590	18.55	ng/ul	0.00
14) Anthracene-d10	18.30	188	791382	19.71	ng/ul	0.00
18) Pyrene-d10	20.52	212	630058	21.31	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	577180	17.38	ng/ul	0.00

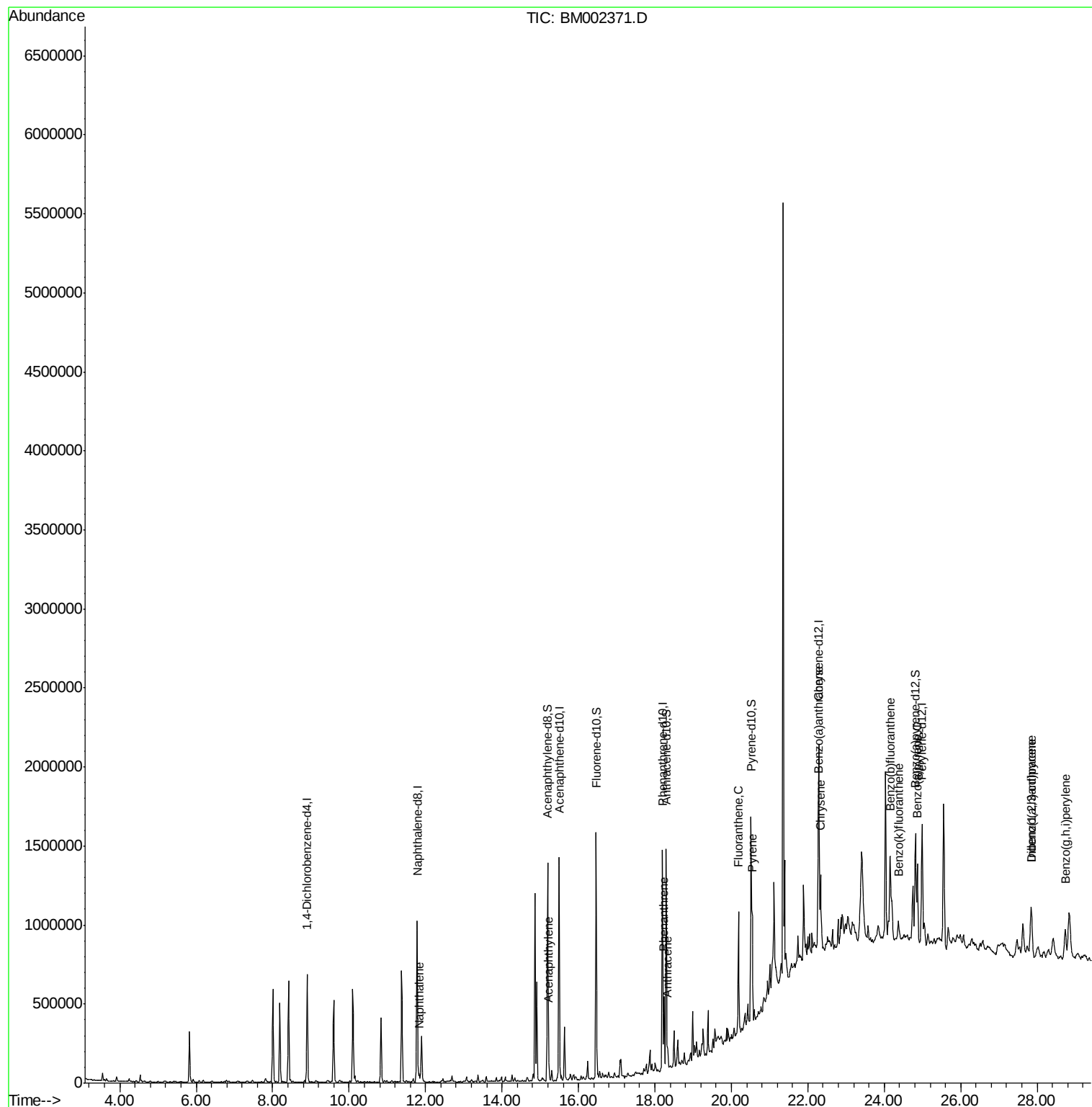
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.83	128	50892	1.07	ng/ul	97
8) Acenaphthylene	15.22	152	90114	1.75	ng/ul	99
13) Phenanthrene	18.24	178	280097	5.88	ng/ul	99
15) Anthracene	18.33	178	102716	2.09	ng/ul	98
16) Fluoranthene	20.19	202	453612	8.60	ng/ul	100
19) Pyrene	20.54	202	388663	9.86	ng/ul	96
20) Benzo(a)anthracene	22.27	228	233923	6.29	ng/ul	97
21) Chrysene	22.33	228	259699	7.37	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	486047	12.51	ng/ul	97
24) Benzo(k)fluoranthene	24.37	252	79817	2.14	ng/ul#	80
26) Benzo(a)pyrene	24.87	252	278065	7.48	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.84	276	270305	6.34	ng/ul	97
28) Dibenzo(a,h)anthracene	27.85	278	70387	1.95	ng/ul#	79
29) Benzo(g,h,i)perylene	28.74	276	274656	7.64	ng/ul	98

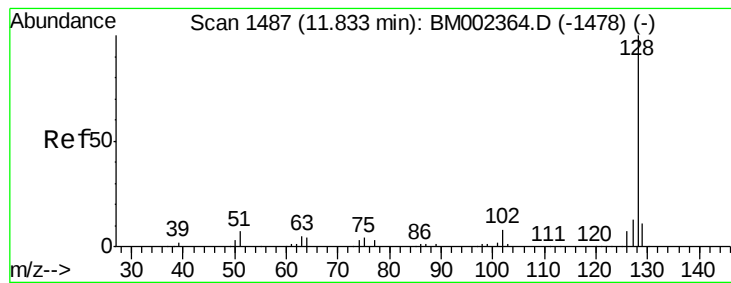
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.07 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Instrument :

BNA_M

ClientSampleId :

D9D01

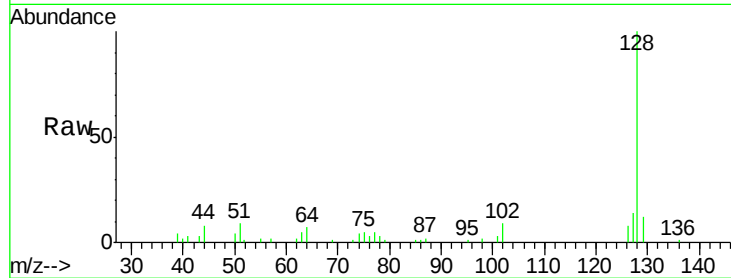
Tgt Ion:128 Resp: 50892

Ion Ratio Lower Upper

128 100

129 11.9 8.6 12.8

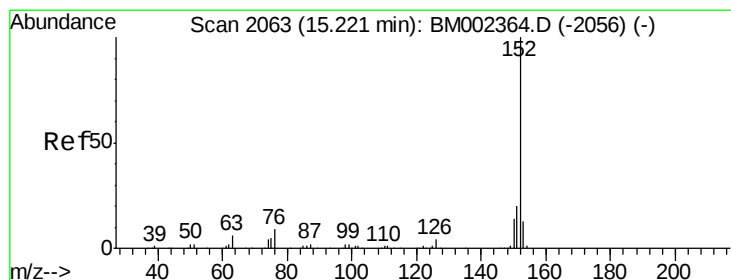
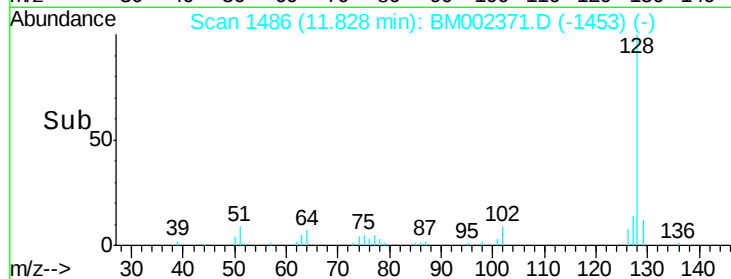
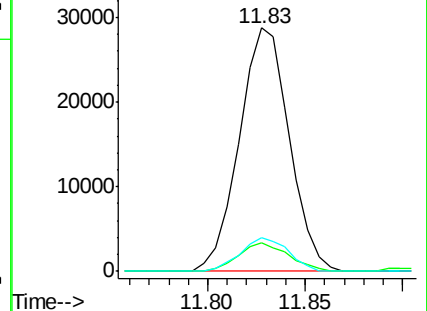
127 13.8 10.4 15.6



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: 1.75 ng/ul

RT: 15.22 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

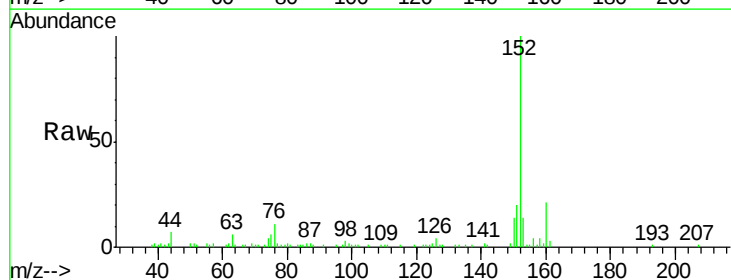
Tgt Ion:152 Resp: 90114

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

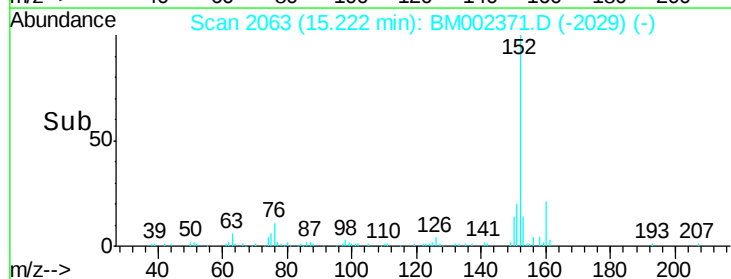
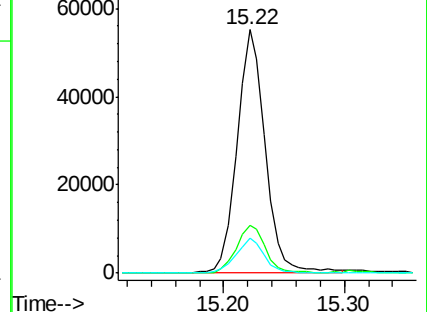
153 14.1 10.6 15.8

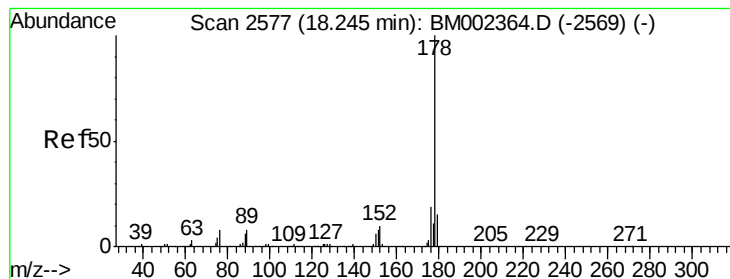


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 5.88 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Instrument :

BNA_M

ClientSampleId :

D9D01

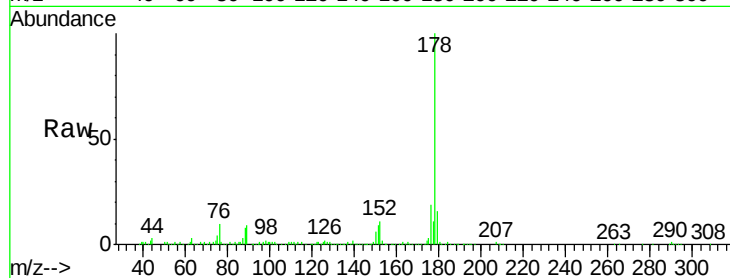
Tgt Ion:178 Resp: 280097

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

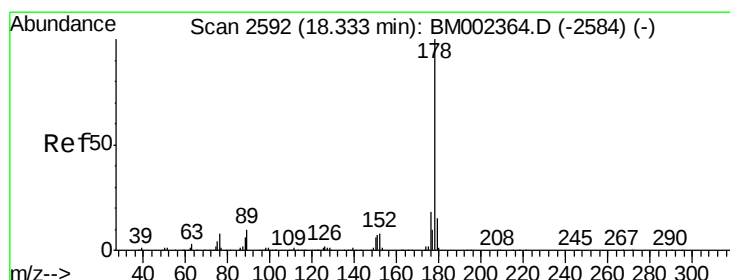
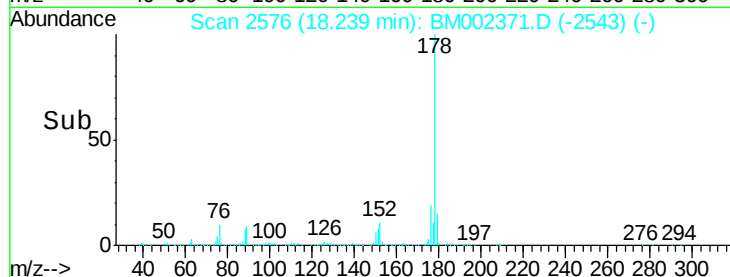
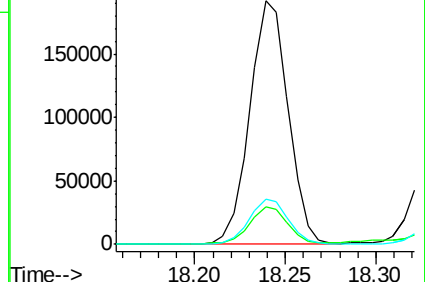
176 18.7 15.3 22.9



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: 2.09 ng/ul

RT: 18.33 min Scan# 2592

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

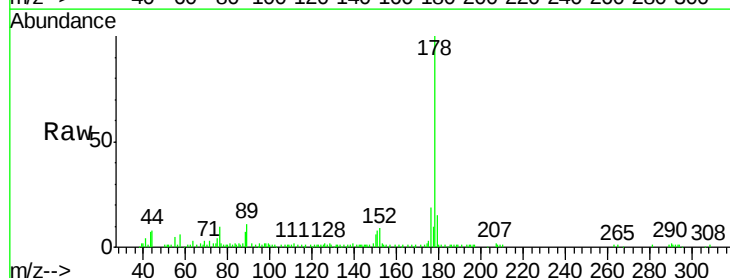
Tgt Ion:178 Resp: 102716

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

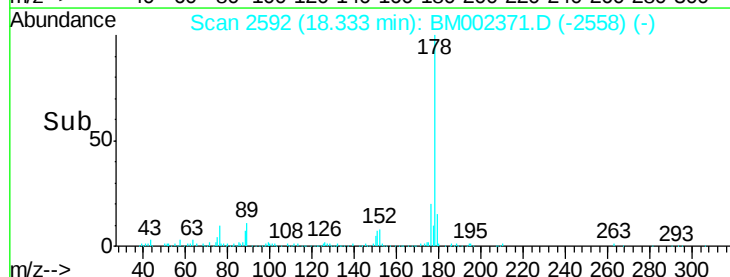
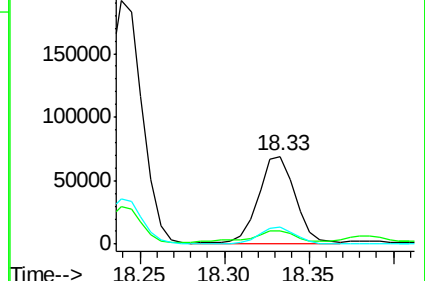
176 19.4 14.5 21.7

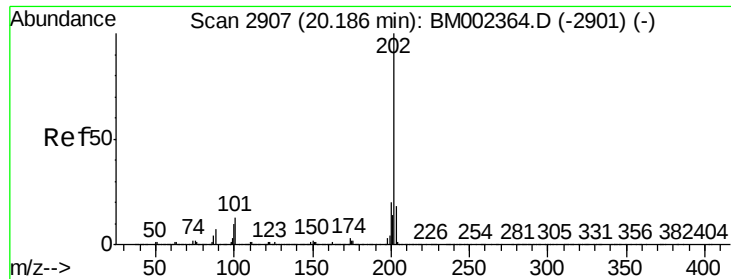


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 8.60 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Instrument :

BNA_M

ClientSampleId :

D9D01

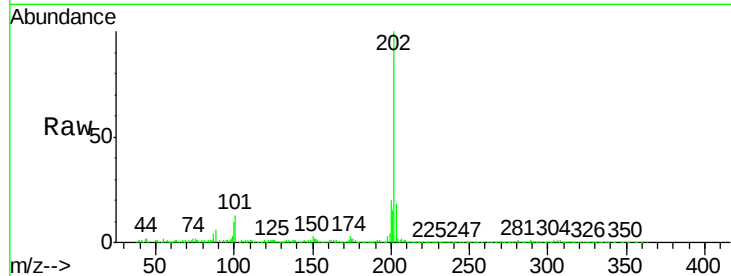
Tgt Ion:202 Resp: 453612

Ion Ratio Lower Upper

202 100

101 13.2 10.6 15.8

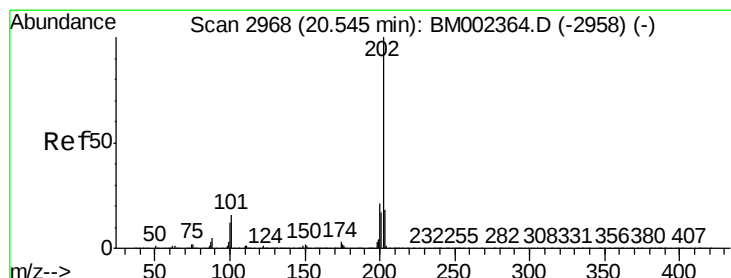
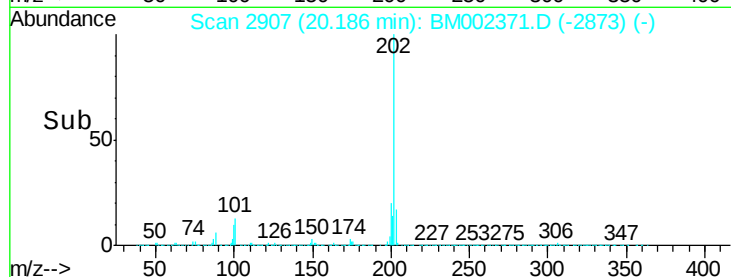
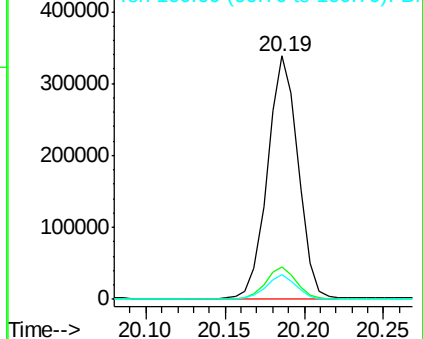
100 10.0 8.2 12.4



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: 9.86 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

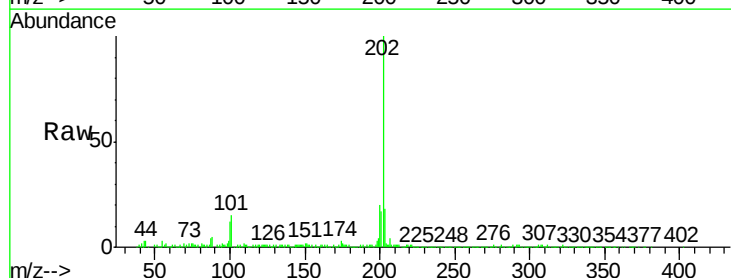
Tgt Ion:202 Resp: 388663

Ion Ratio Lower Upper

202 100

101 14.6 13.0 19.6

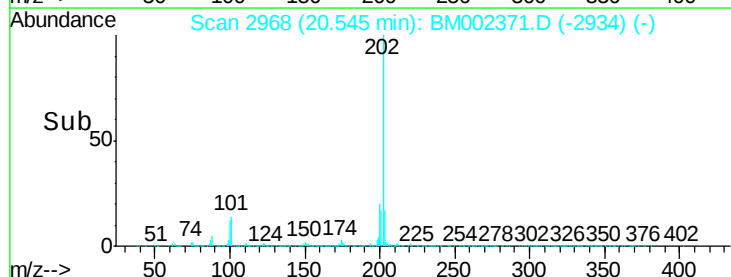
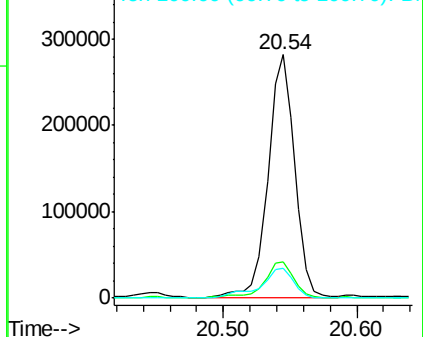
100 12.3 11.0 16.4

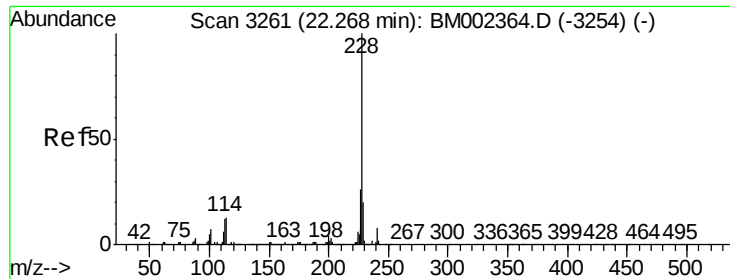


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 6.29 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Instrument :

BNA_M

ClientSampleId :

D9D01

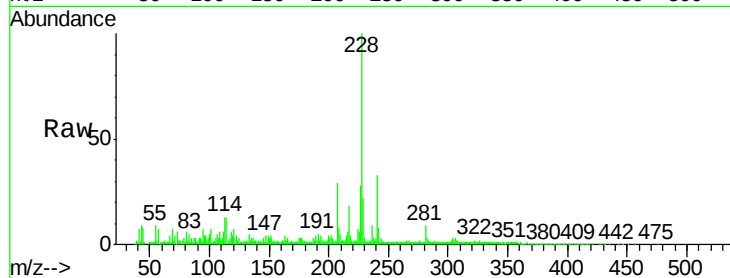
Tgt Ion:228 Resp: 233923

Ion Ratio Lower Upper

228 100

229 21.8 15.7 23.5

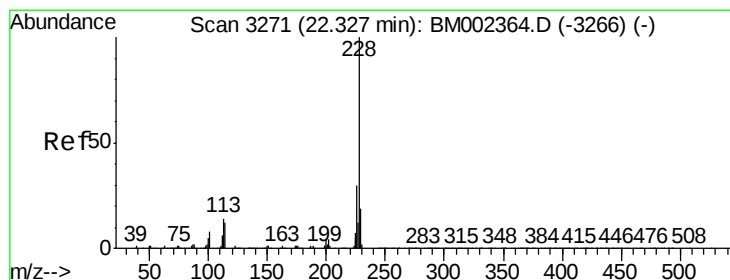
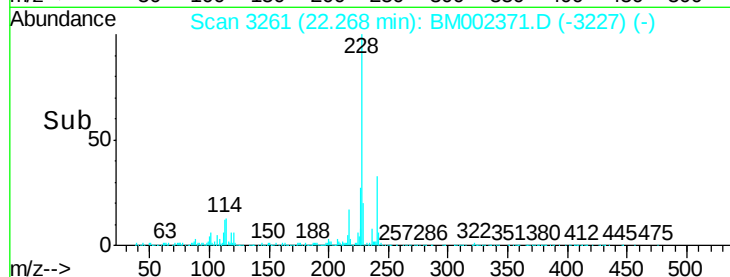
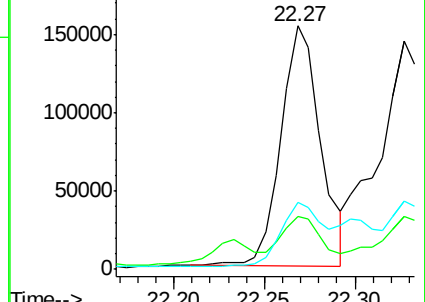
226 27.6 21.4 32.0



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: 7.37 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

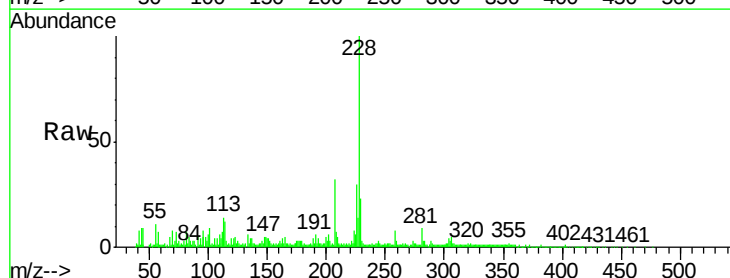
Tgt Ion:228 Resp: 259699

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

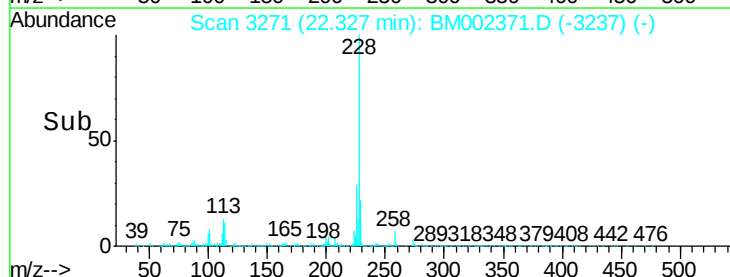
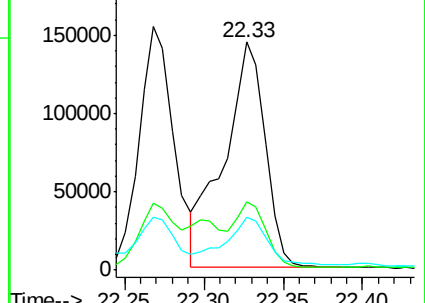
229 23.3 15.5 23.3

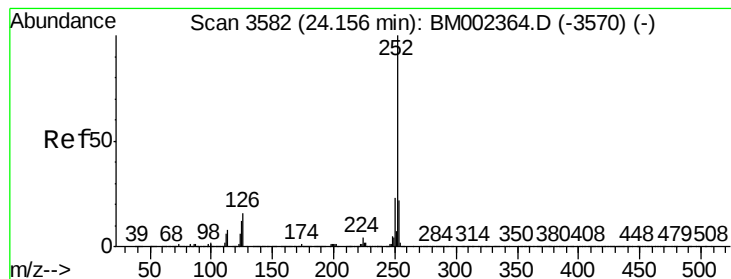


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 12.51 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

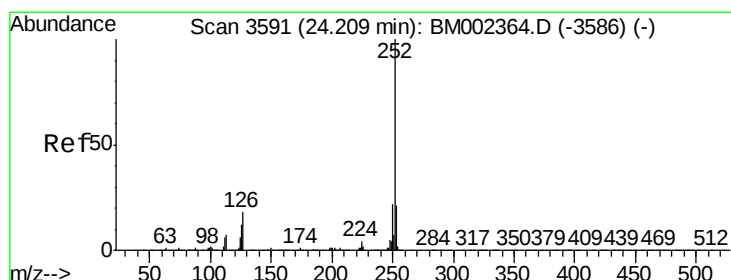
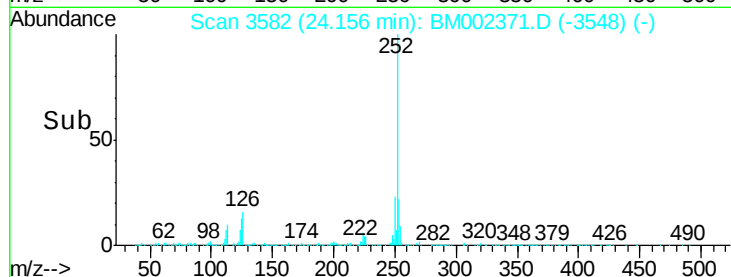
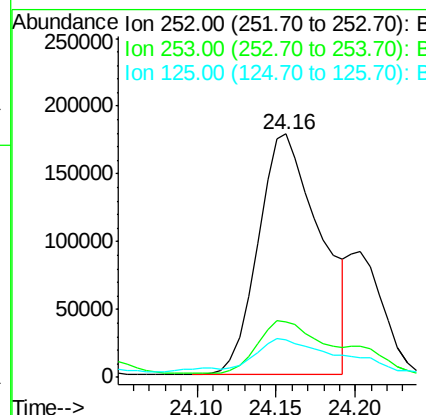
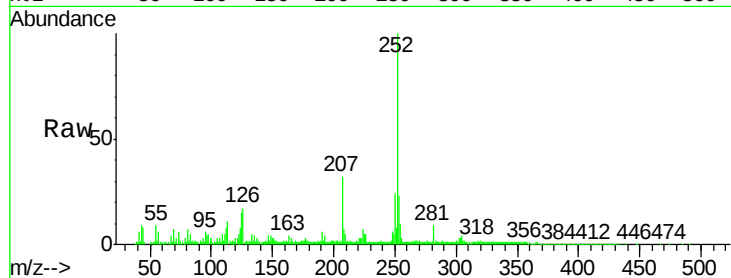
Instrument :

BNA_M

ClientSampleId :

D9D01

Tgt Ion:	252	Resp:	486047
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.9	26.9
125	15.3	10.3	15.5



#24

Benzo(k)fluoranthene

Concen: 2.14 ng/ul

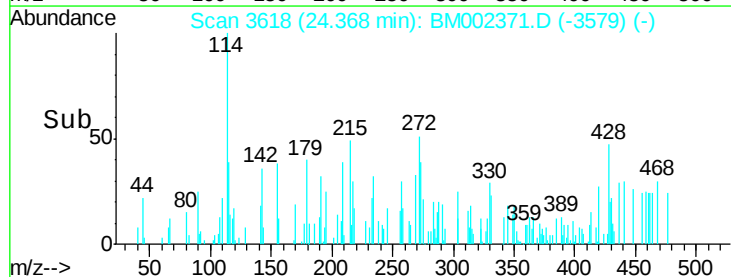
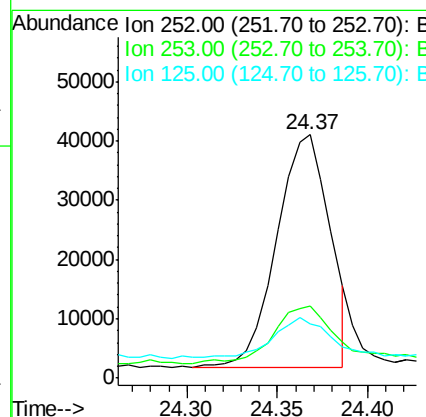
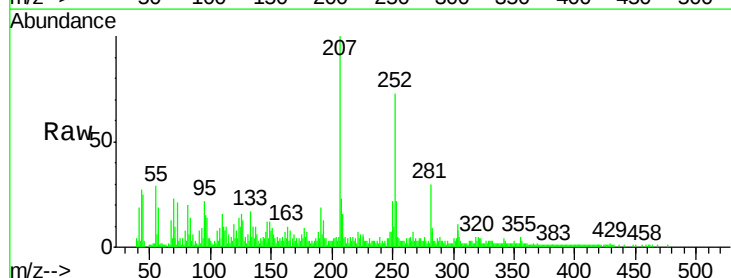
RT: 24.37 min Scan# 3618

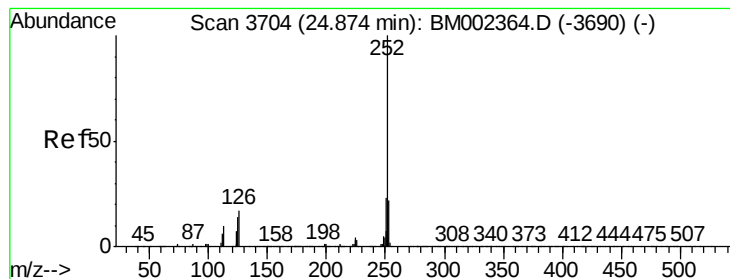
Delta R.T. 0.16 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Tgt Ion:	252	Resp:	79817
Ion Ratio		Lower	Upper
252	100		
253	29.7	17.3	25.9#
125	22.2	10.2	15.4#





#26

Benzo(a)pyrene

Concen: 7.48 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Instrument :

BNA_M

ClientSampleId :

D9D01

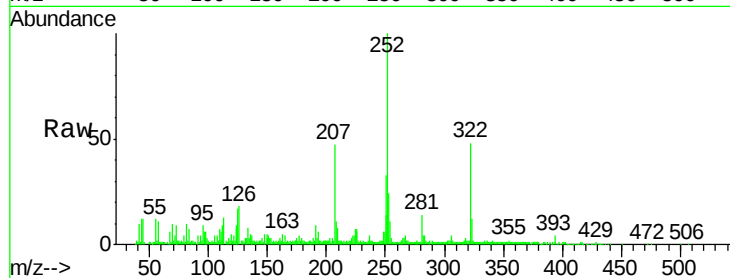
Tgt Ion:252 Resp: 278065

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

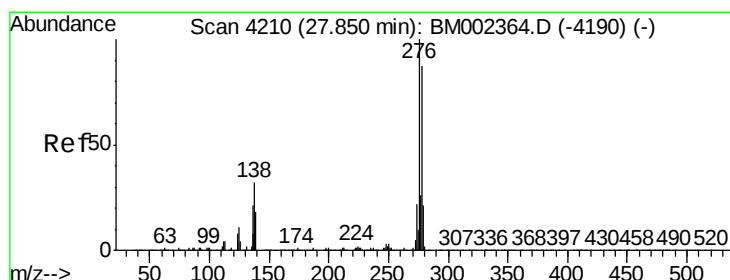
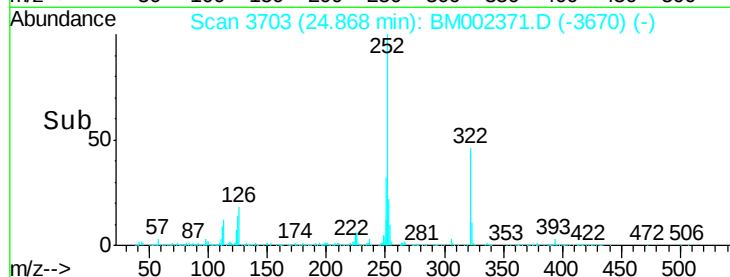
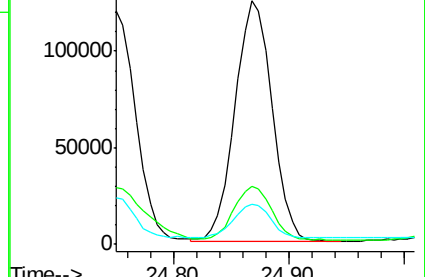
125 16.6 11.0 16.6#



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: 6.34 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. -0.01 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

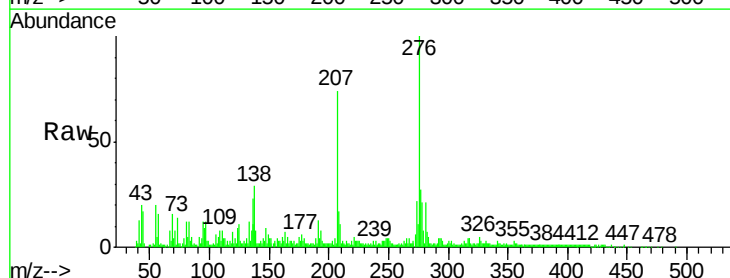
Tgt Ion:276 Resp: 270305

Ion Ratio Lower Upper

276 100

138 28.8 25.6 38.4

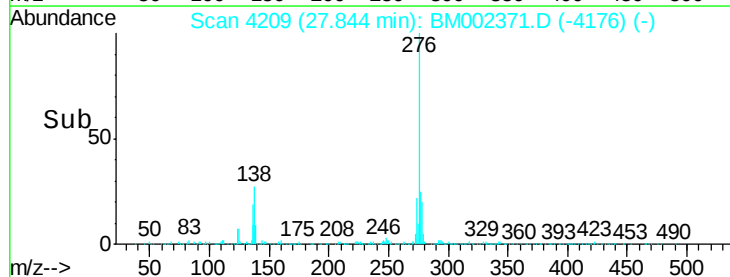
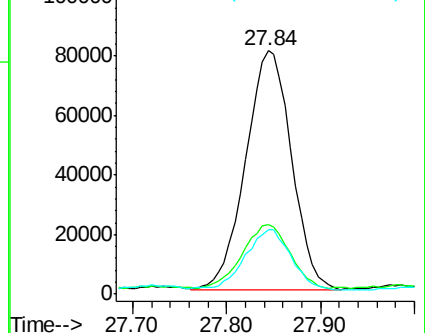
277 26.5 21.0 31.4

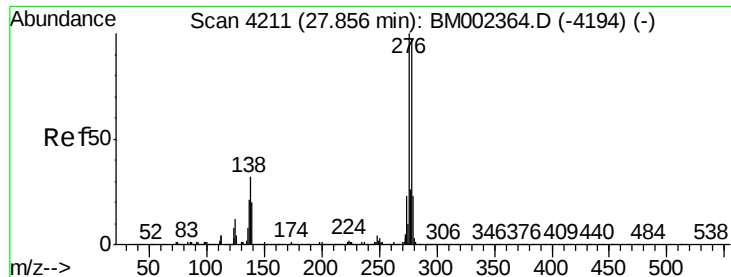


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.95 ng/ul

RT: 27.85 min Scan# 4210

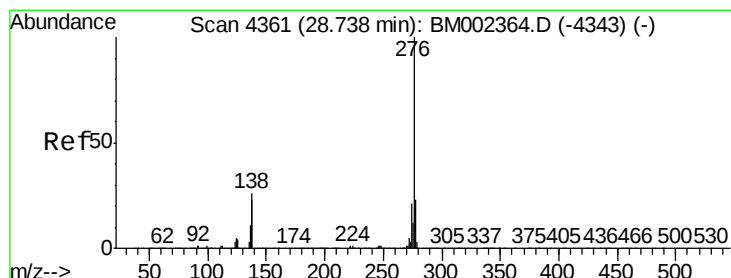
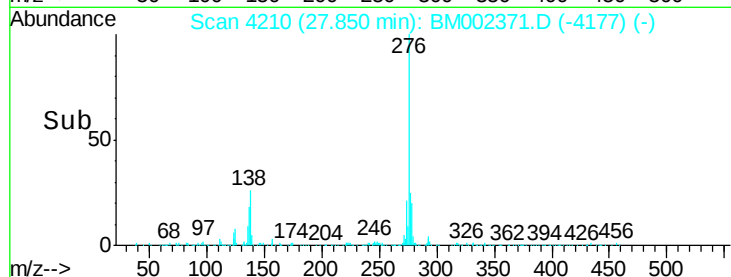
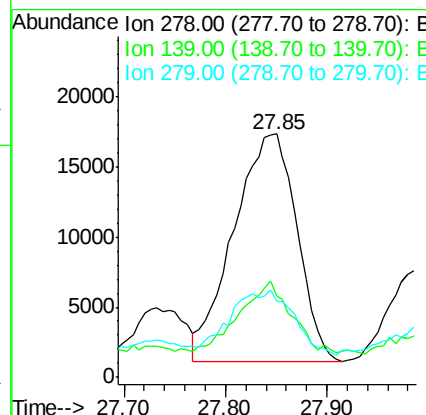
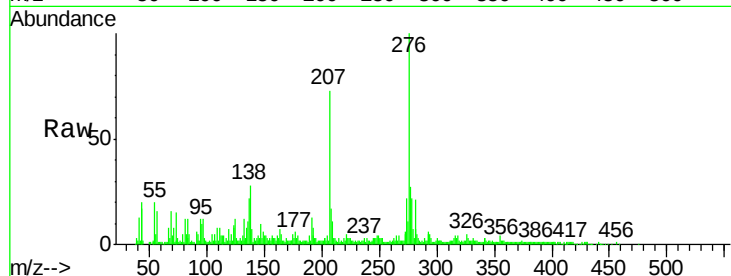
Delta R.T. -0.01 min

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D9D01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.3	16.4	24.6#
279	31.3	18.8	28.2#



#29

Benzo(g,h,i)perylene

Concen: 7.64 ng/ul

RT: 28.74 min Scan# 4361

Delta R.T. 0.00 min

Lab File: BM002371.D

Acq: 12 Aug 2015 21:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.5	30.7
277	23.9	19.0	28.6

