

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002396.D
 Acq On : 13 Aug 2015 14:08
 Operator : UM/IZ
 Sample : G3194-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04035

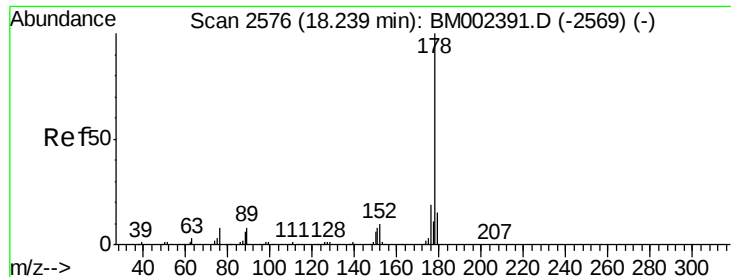
Quant Time: Aug 14 02:03:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 02:01:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	325532	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1053816	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	517749	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	934617	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	659955	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	627952	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1177304	21.95	ng/ul	0.00
10) Fluorene-d10	16.46	176	763021	20.46	ng/ul	0.00
14) Anthracene-d10	18.29	188	991905	21.87	ng/ul	0.00
18) Pyrene-d10	20.52	212	803210	25.09	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	675323	20.25	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.24	178	169216	3.15	ng/ul	100
16) Fluoranthene	20.19	202	338354	5.68	ng/ul	98
19) Pyrene	20.54	202	276711	6.49	ng/ul	96
20) Benzo(a)anthracene	22.27	228	156784	3.89	ng/ul	97
21) Chrysene	22.33	228	168358	4.41	ng/ul	97
23) Benzo(b)fluoranthene	24.15	252	251298	6.44	ng/ul#	94
26) Benzo(a)pyrene	24.86	252	156144	4.18	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	27.83	276	124231	2.90	ng/ul	93
28) Dibenzo(a,h)anthracene	27.84	278	37014	1.02	ng/ul#	71
29) Benzo(g,h,i)perylene	28.72	276	117107	3.24	ng/ul	94

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



#13

Phenanthrene

Concen: 3.15 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

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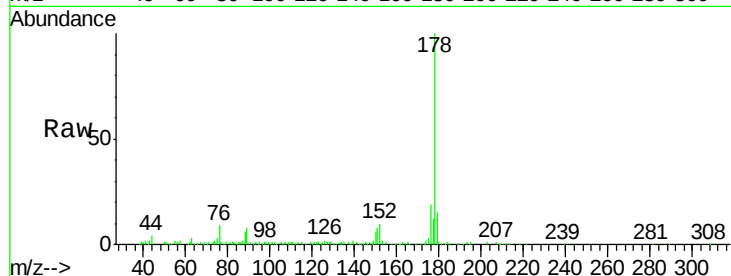
Tgt Ion:178 Resp: 169216

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

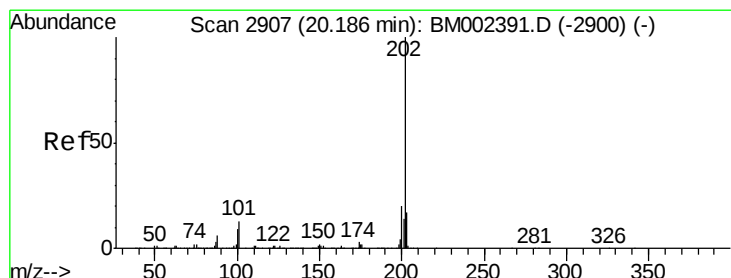
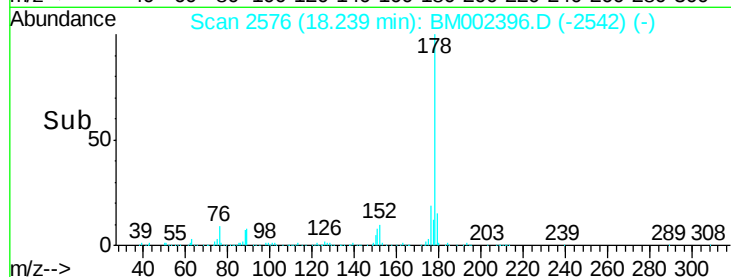
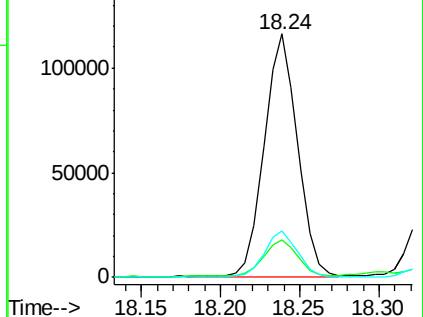
176 18.9 15.3 22.9



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



#16

Fluoranthene

Concen: 5.68 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

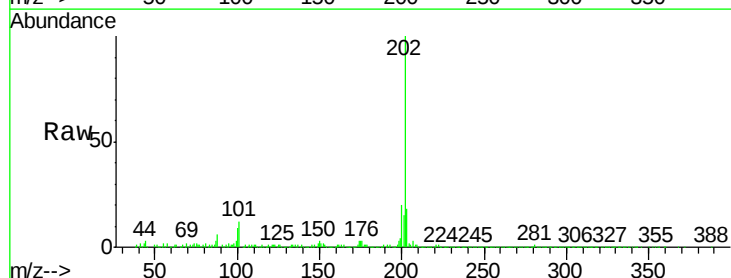
Tgt Ion:202 Resp: 338354

Ion Ratio Lower Upper

202 100

101 12.3 10.6 15.8

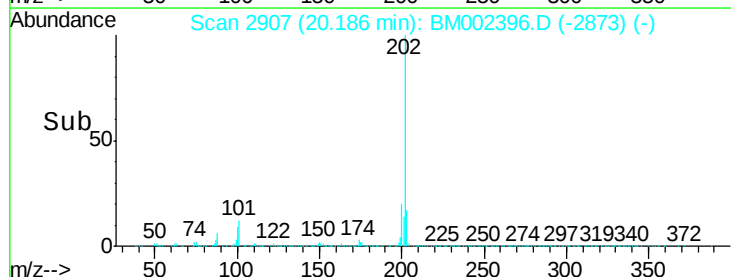
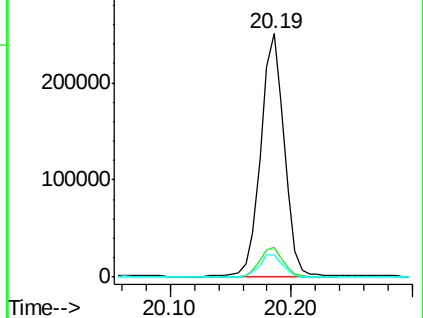
100 9.3 8.2 12.4

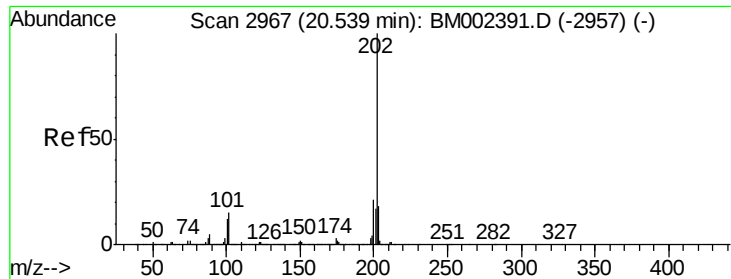


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 6.49 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BM002396.D

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Instrument :

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ClientSampleId :

SSTD04035

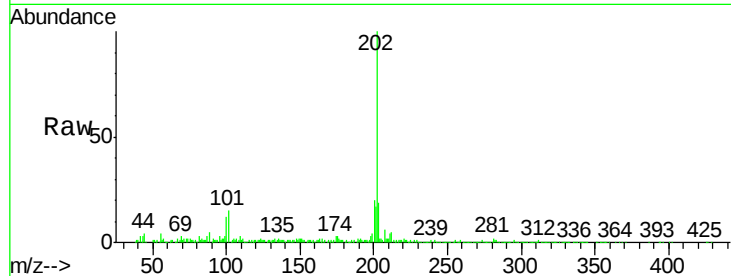
Tgt Ion:202 Resp: 276711

Ion Ratio Lower Upper

202 100

101 14.6 13.0 19.6

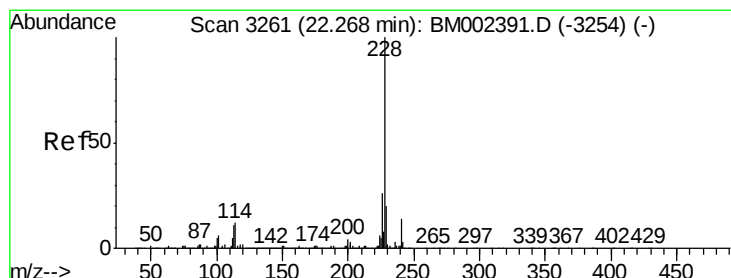
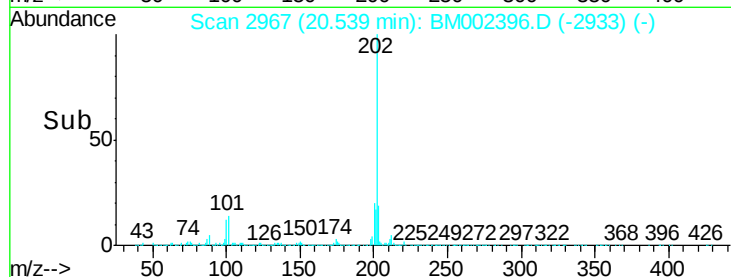
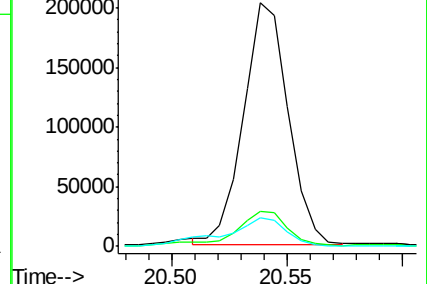
100 11.7 11.0 16.4



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: 3.89 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

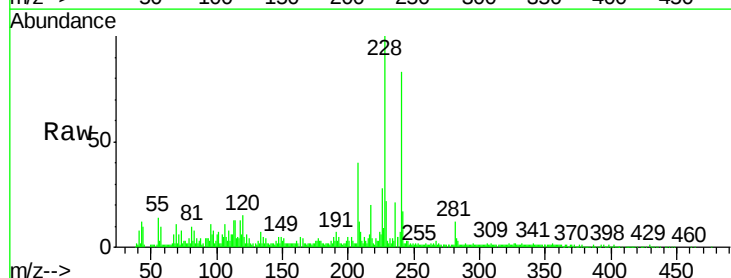
Tgt Ion:228 Resp: 156784

Ion Ratio Lower Upper

228 100

229 22.0 15.7 23.5

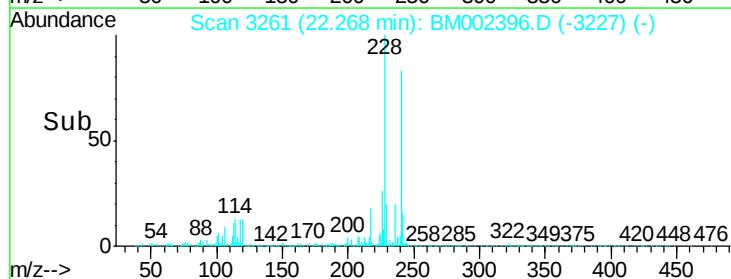
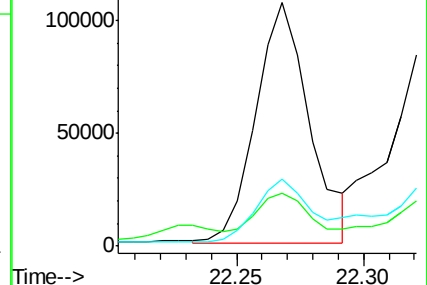
226 27.6 21.4 32.0

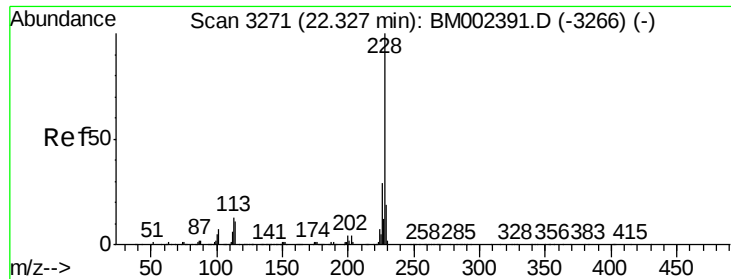


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 4.41 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

Instrument :

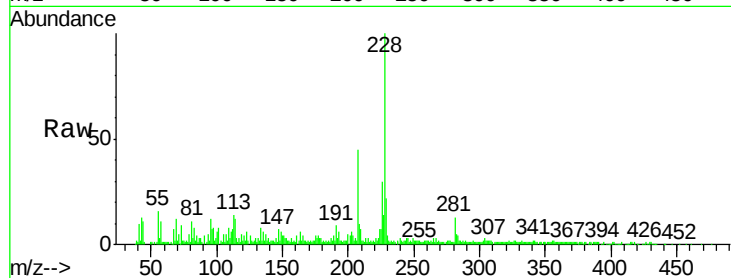
BNA_M

ClientSampleId :

SSTD04035

Tgt Ion: 228 Resp: 168358

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	22.4	15.5	23.3

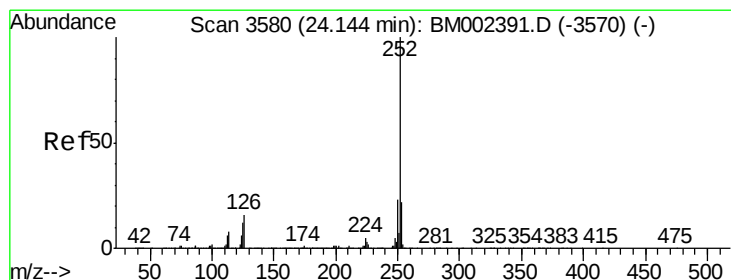
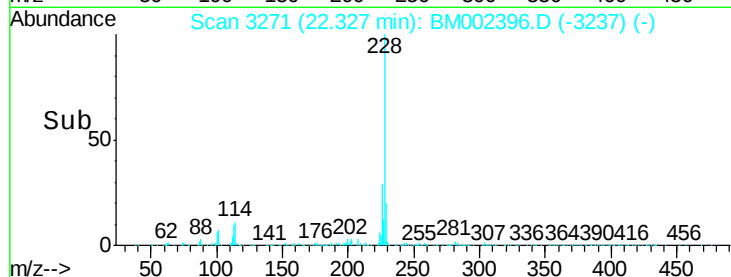
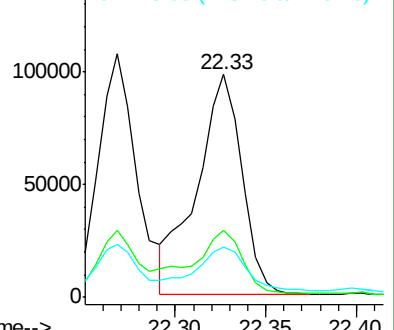


Abundance

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: 6.44 ng/ul

RT: 24.15 min Scan# 3581

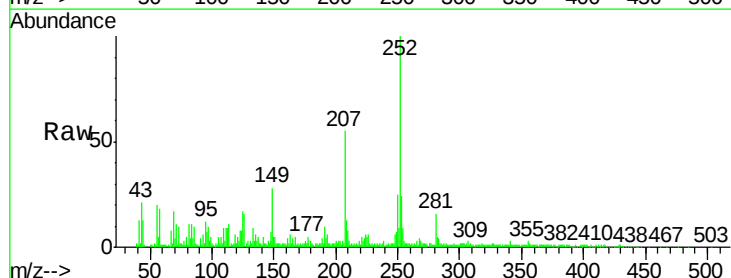
Delta R.T. 0.01 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

Tgt Ion: 252 Resp: 251298

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	17.1	10.3	15.5

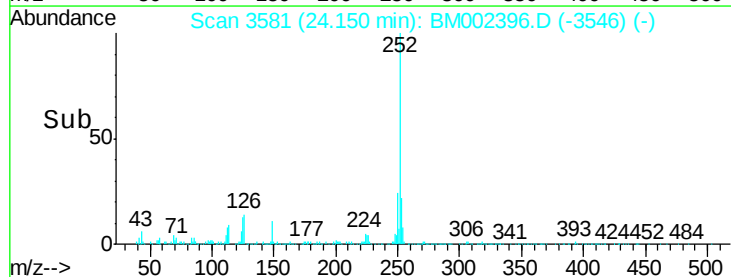
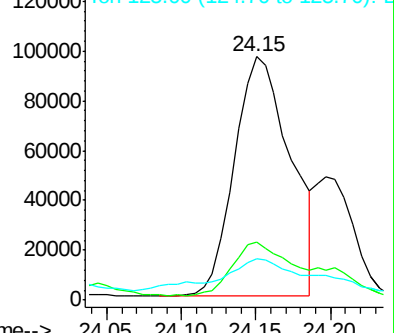


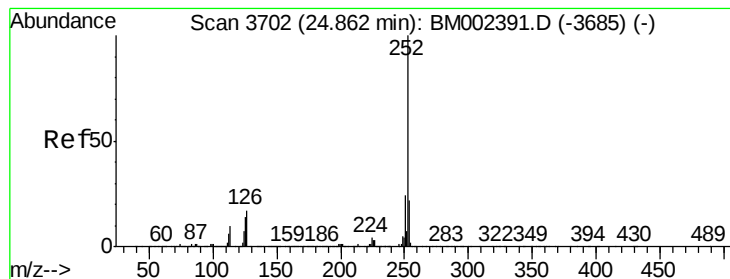
Abundance

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: 4.18 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

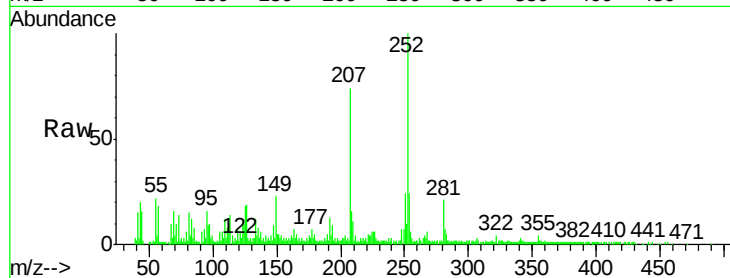
Instrument :

BNA_M

ClientSampleId :

SSTD04035

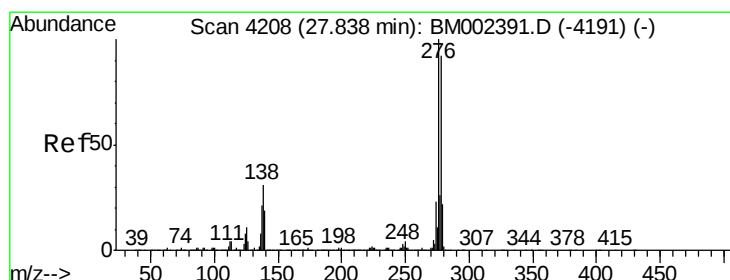
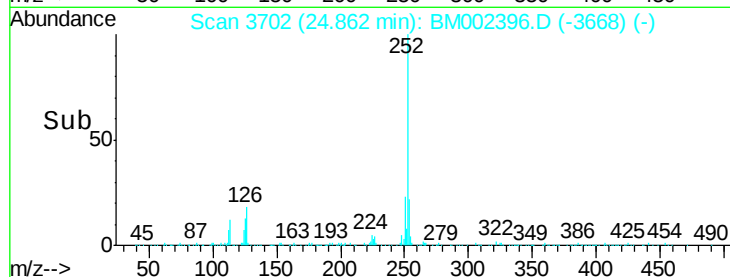
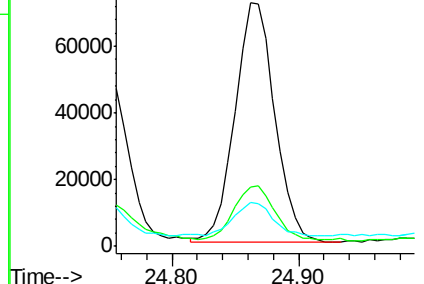
Tgt Ion:	252	Resp:	156144
Ion Ratio		Lower	Upper
252	100		
253	24.3	17.3	25.9
125	17.8	11.0	16.6#



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: 2.90 ng/ul

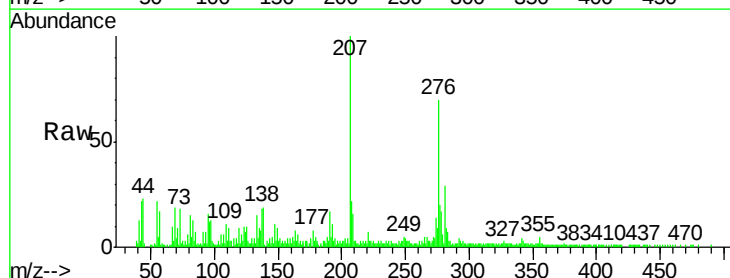
RT: 27.83 min Scan# 4207

Delta R.T. -0.01 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

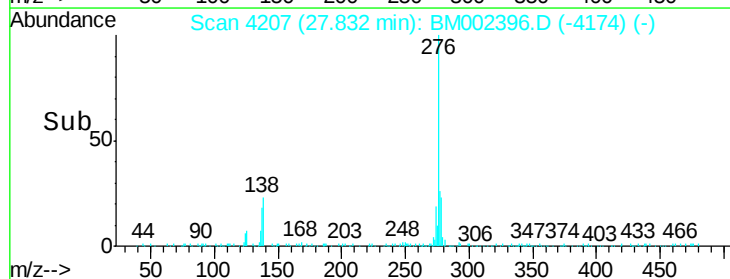
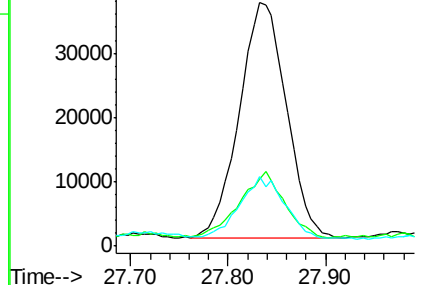
Tgt Ion:	276	Resp:	124231
Ion Ratio		Lower	Upper
276	100		
138	27.3	25.6	38.4
277	28.4	21.0	31.4

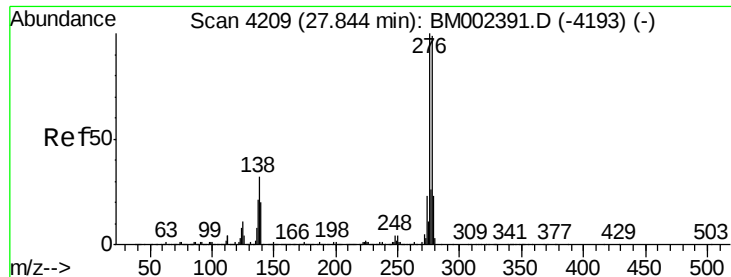


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.02 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

Instrument :

BNA_M

ClientSampleId :

SSTD04035

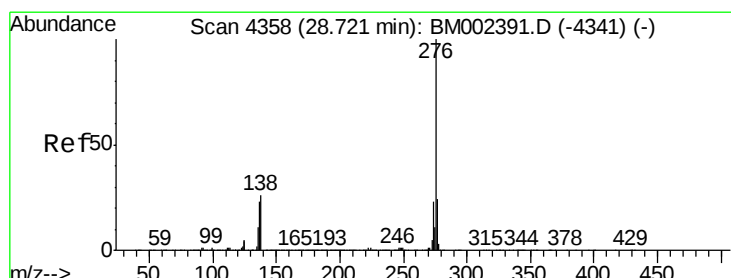
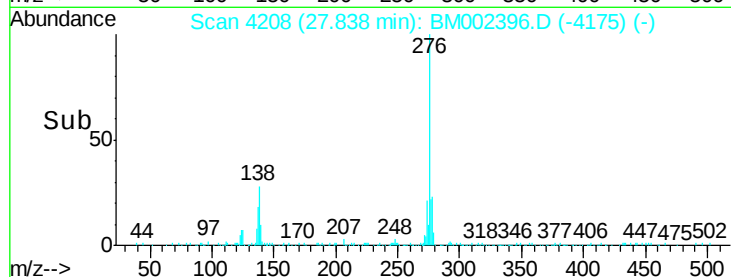
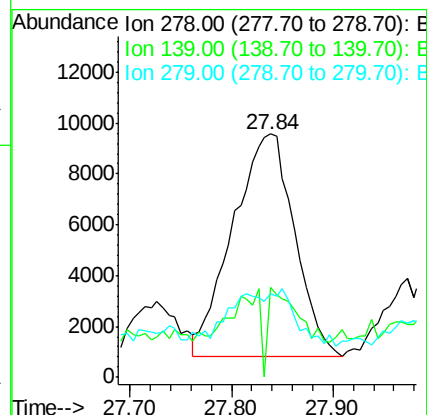
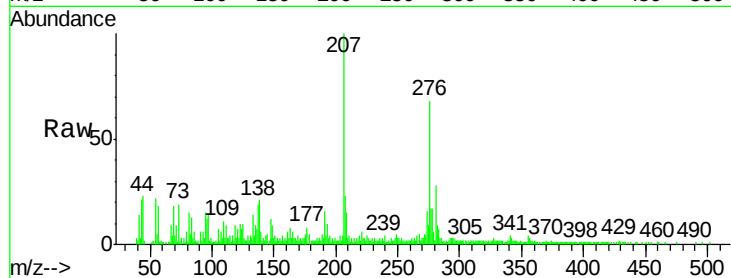
Tgt Ion:278 Resp: 37014

Ion Ratio Lower Upper

278 100

139 37.1 16.4 24.6#

279 34.5 18.8 28.2#



#29

Benzo(g,h,i)perylene

Concen: 3.24 ng/ul

RT: 28.72 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BM002396.D

Acq: 13 Aug 2015 14:08

Tgt Ion:276 Resp: 117107

Ion Ratio Lower Upper

276 100

138 29.1 20.5 30.7

277 26.1 19.0 28.6

