

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002404.D
 Acq On : 13 Aug 2015 19:01
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02031

Quant Time: Aug 14 02:05:27 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	262794	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	1145453	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	558200	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	1404734	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	705057	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	676161	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.19	160	1176323	20.34	ng/ul	0.00
10) Fluorene-d10	16.46	176	770340	19.15	ng/ul	0.00
14) Anthracene-d10	18.30	188	1365136	20.03	ng/ul	0.00
18) Pyrene-d10	20.52	212	786985	23.01	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	722632	20.13	ng/ul	0.00

Target Compounds

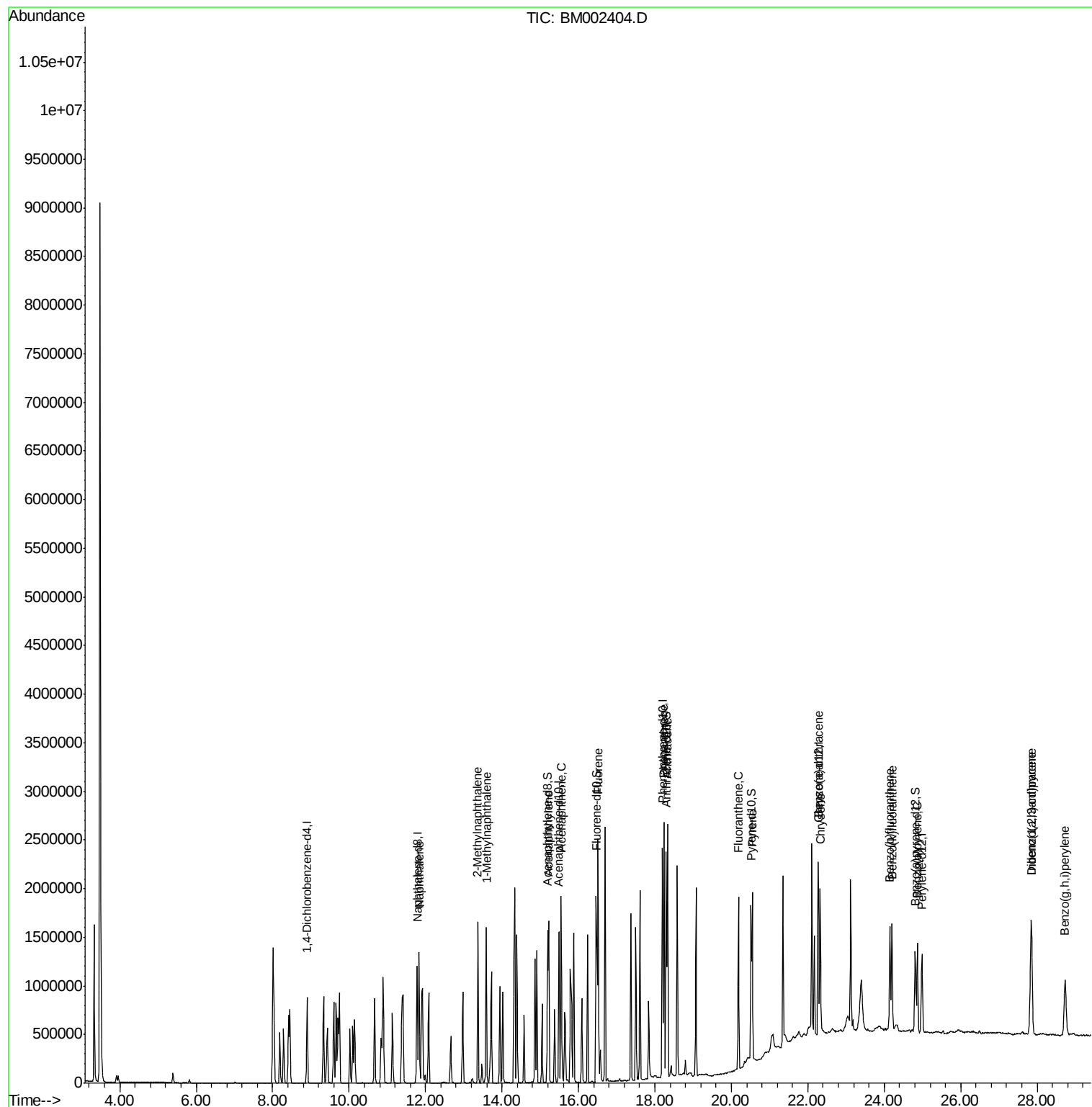
						Qvalue
3) Naphthalene	11.83	128	1200723	19.91	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	820268	19.04	ng/ul	100
5) 1-Methylnaphthalene	13.59	142	802959	18.91	ng/ul	99
8) Acenaphthylene	15.22	152	1216775	20.27	ng/ul	100
9) Acenaphthene	15.55	153	812931	20.13	ng/ul	99
11) Fluorene	16.52	166	877214	19.29	ng/ul	100
13) Phenanthrene	18.24	178	1623703	20.08	ng/ul	99
15) Anthracene	18.33	178	1655583	19.83	ng/ul	100
16) Fluoranthene	20.19	202	1061197	11.85	ng/ul	98
19) Pyrene	20.54	202	1053348	23.11	ng/ul	95
20) Benzo(a)anthracene	22.27	228	866817	20.14	ng/ul	100
21) Chrysene	22.33	228	813434	19.94	ng/ul	99
23) Benzo(b)fluoranthene	24.15	252	831390	19.78	ng/ul	99
24) Benzo(k)fluoranthene	24.20	252	824773	20.44	ng/ul	100
26) Benzo(a)pyrene	24.87	252	811499	20.18	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.84	276	953556	20.69	ng/ul	99
28) Dibenzo(a,h)anthracene	27.85	278	806615	20.65	ng/ul	99
29) Benzo(g,h,i)perylene	28.73	276	799150	20.55	ng/ul	100

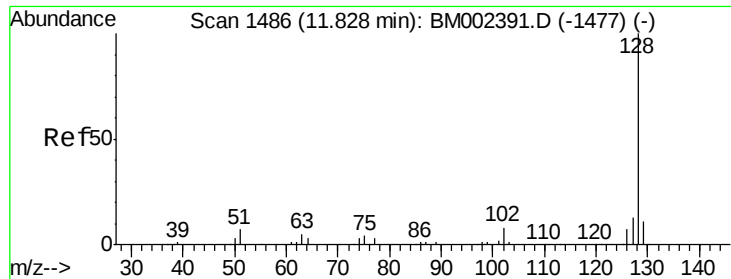
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
Data File : BM002404.D
Acq On : 13 Aug 2015 19:01
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02031

Quant Time: Aug 14 02:05:27 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





#3

Naphthalene

Concen: 19.91 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

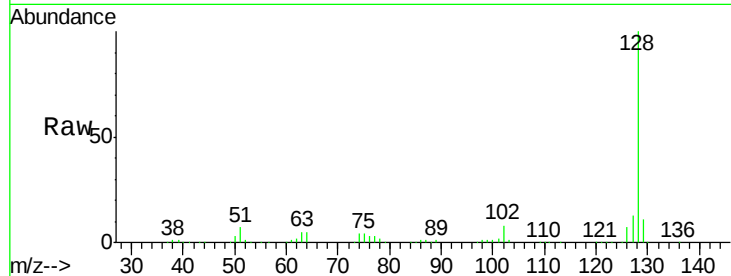
Tgt Ion:128 Resp: 1200723

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

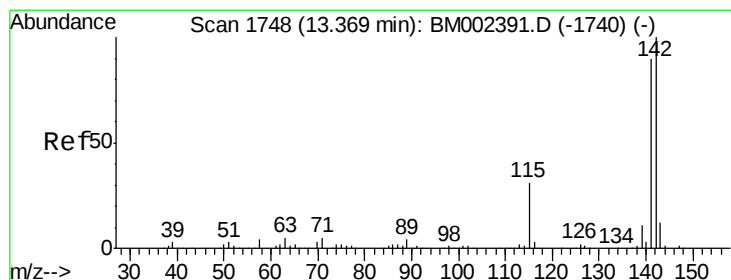
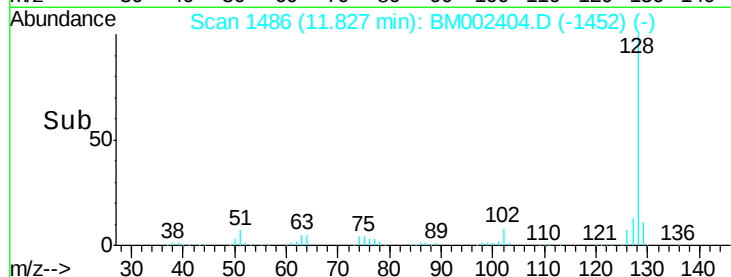
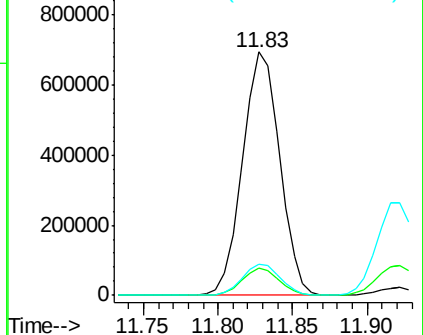
127 12.7 10.4 15.6



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: 19.04 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM002404.D

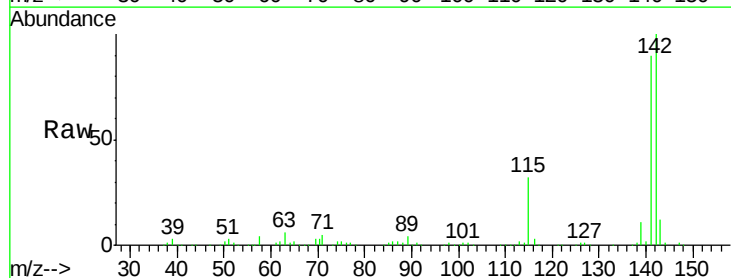
Acq: 13 Aug 2015 19:01

Tgt Ion:142 Resp: 820268

Ion Ratio Lower Upper

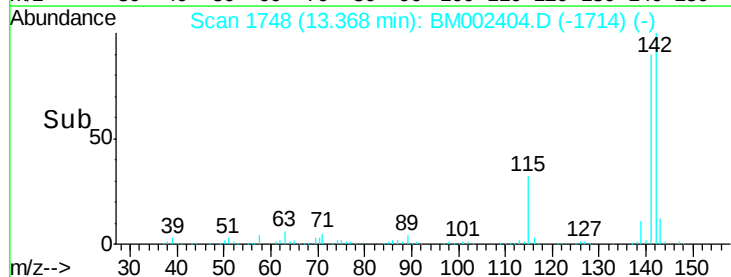
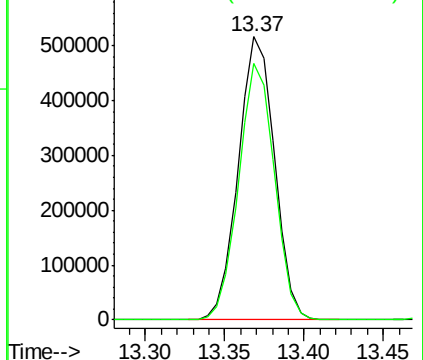
142 100

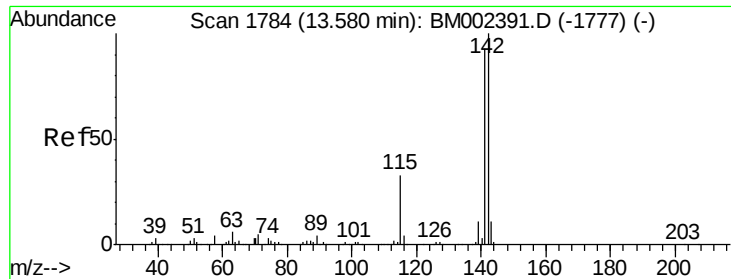
141 90.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

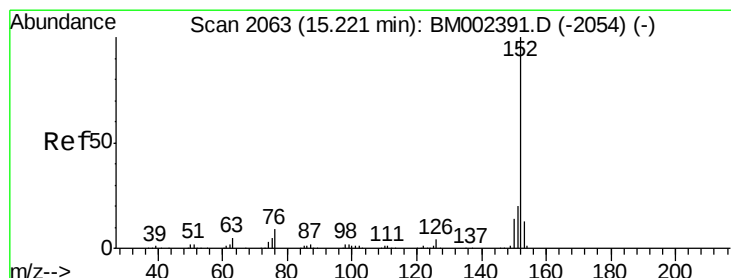
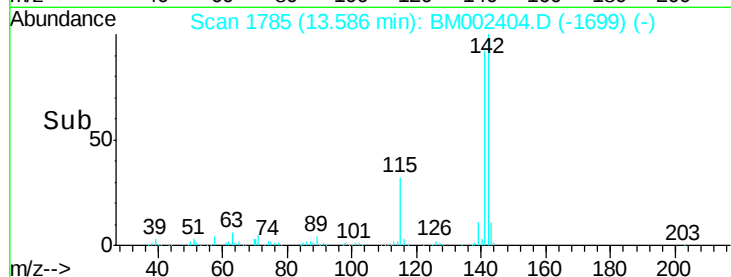
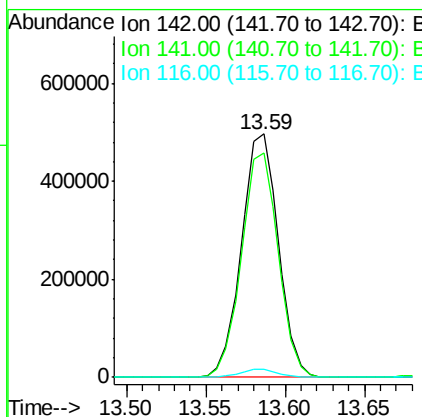
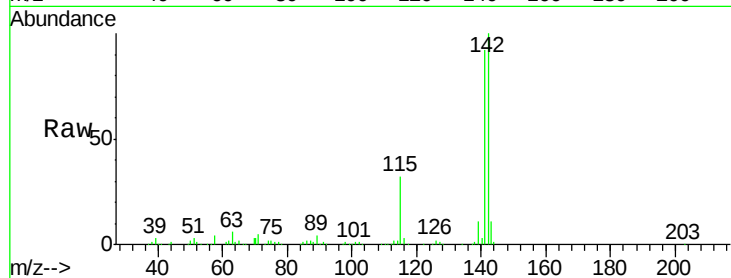




#5
1-Methylnaphthalene
Concen: 18.91 ng/ul
RT: 13.59 min Scan# 1785
Delta R.T. 0.01 min
Lab File: BM002404.D
Acq: 13 Aug 2015 19:01

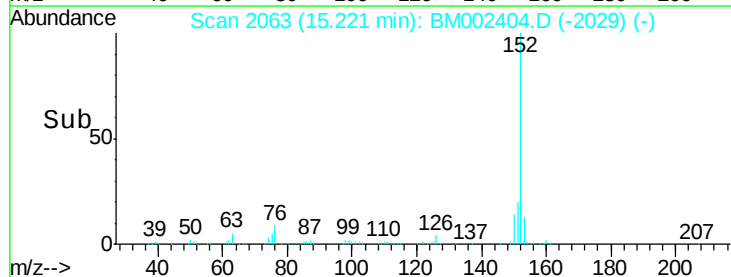
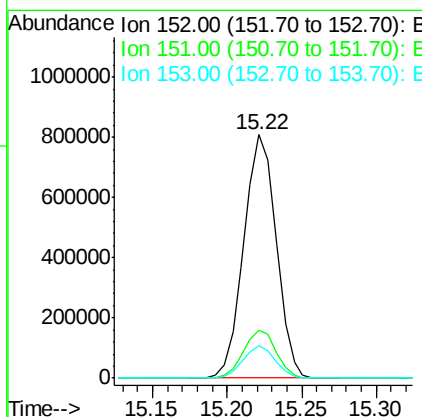
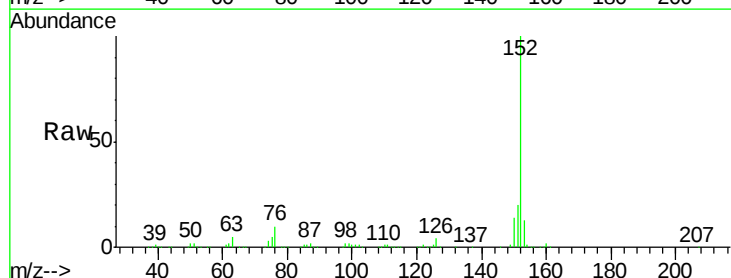
Instrument :
BNA_M
ClientSampleId :
SSTD02031

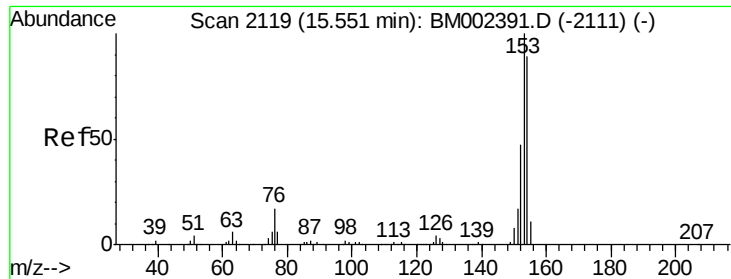
Tgt Ion:142 Resp: 802959
Ion Ratio Lower Upper
142 100
141 92.0 74.5 111.7
116 3.4 3.0 4.4



#8
Acenaphthylene
Concen: 20.27 ng/ul
RT: 15.22 min Scan# 2063
Delta R.T. -0.00 min
Lab File: BM002404.D
Acq: 13 Aug 2015 19:01

Tgt Ion:152 Resp: 1216775
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.1 10.6 15.8





#9

Acenaphthene

Concen: 20.13 ng/u1

RT: 15.55 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

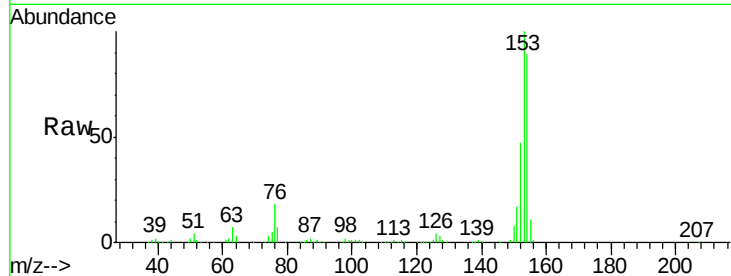
Tgt Ion:153 Resp: 812931

Ion Ratio Lower Upper

153 100

152 46.5 36.6 55.0

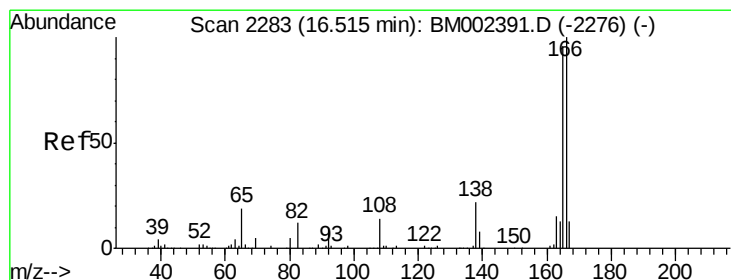
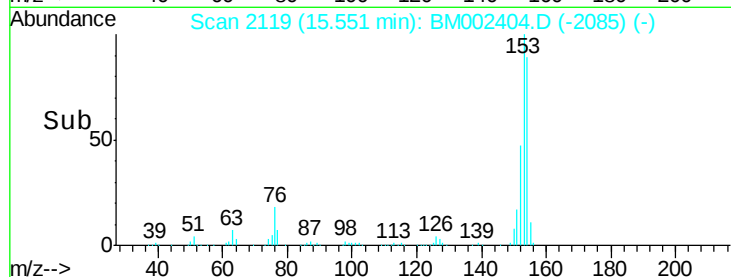
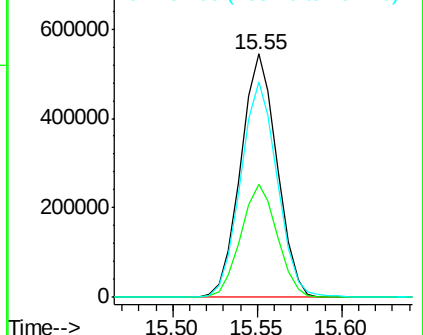
154 88.7 71.5 107.3



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



#11

Fluorene

Concen: 19.29 ng/u1

RT: 16.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

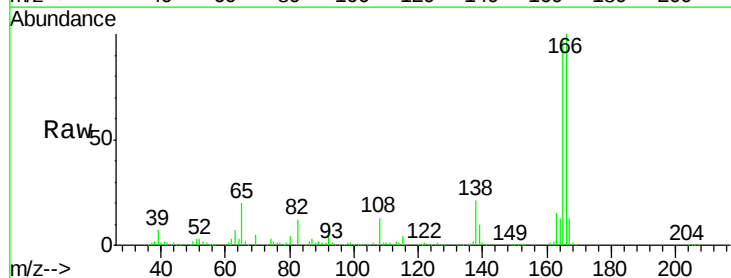
Tgt Ion:166 Resp: 877214

Ion Ratio Lower Upper

166 100

165 96.6 77.5 116.3

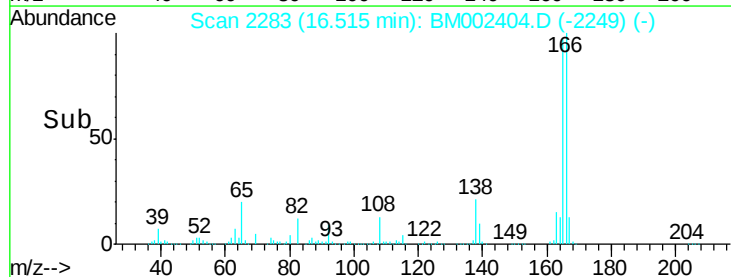
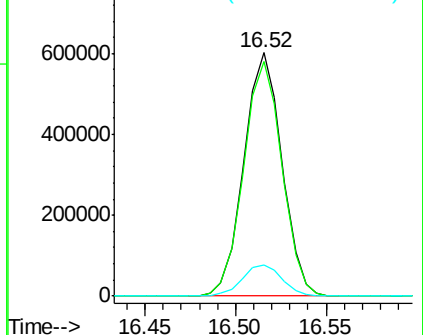
167 13.0 10.4 15.6

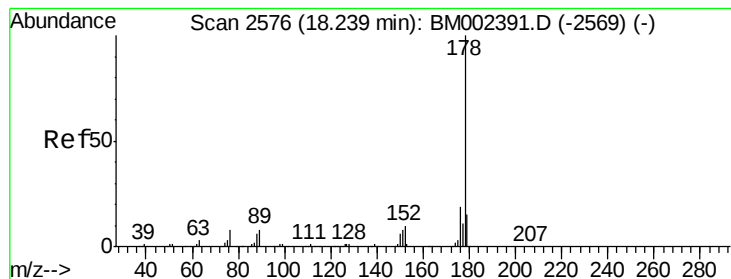


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.08 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

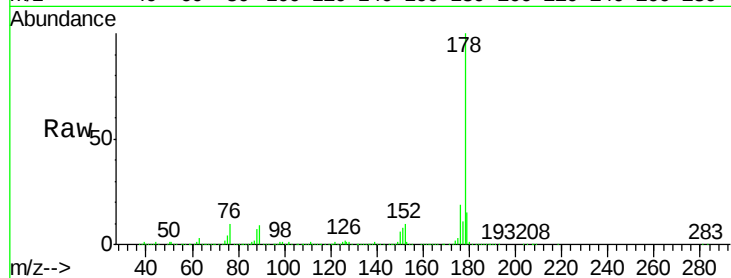
Tgt Ion:178 Resp: 1623703

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

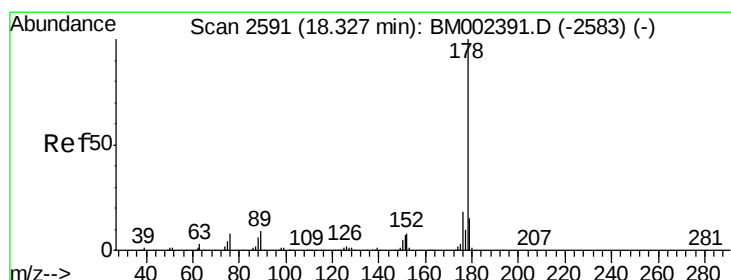
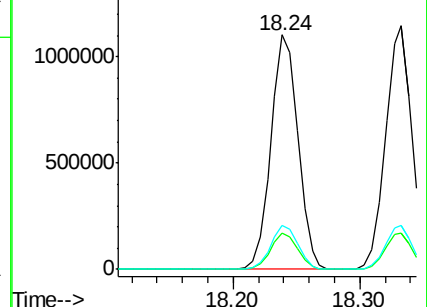
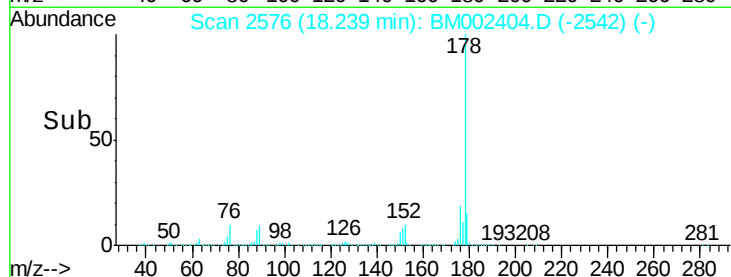
176 18.7 15.3 22.9



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: 19.83 ng/ul

RT: 18.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

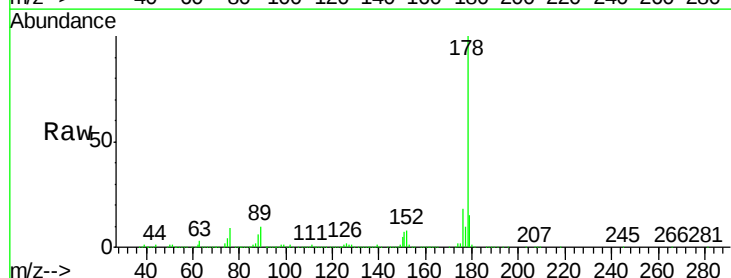
Tgt Ion:178 Resp: 1655583

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

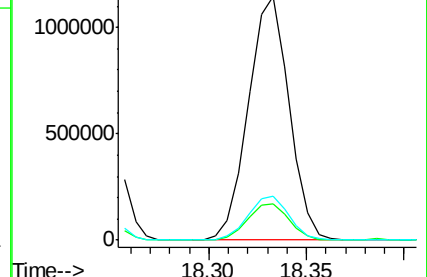
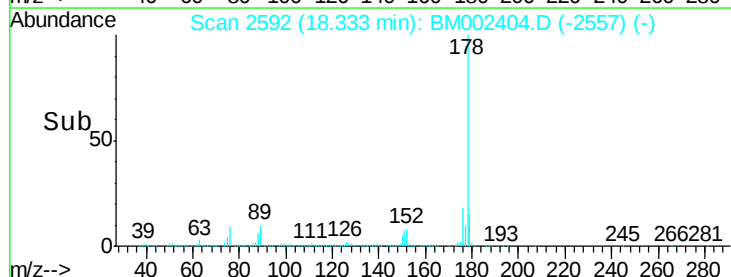
176 18.1 14.5 21.7

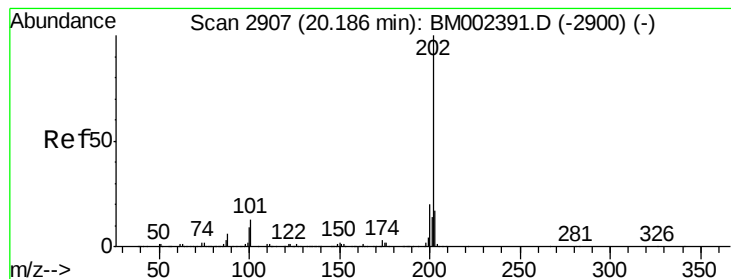


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 11.85 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

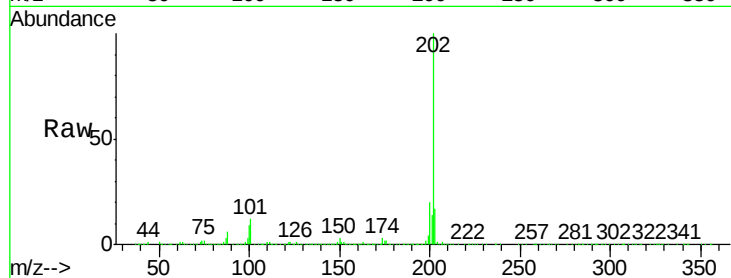
Tgt Ion:202 Resp: 1061197

Ion Ratio Lower Upper

202 100

101 12.3 10.6 15.8

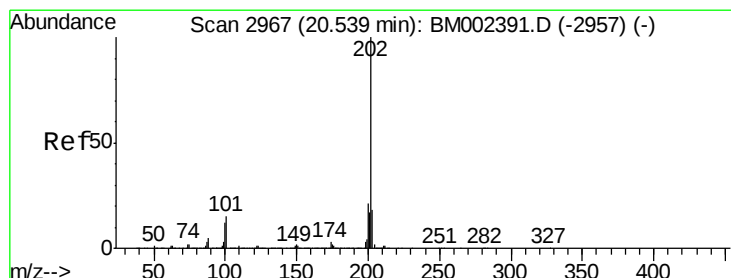
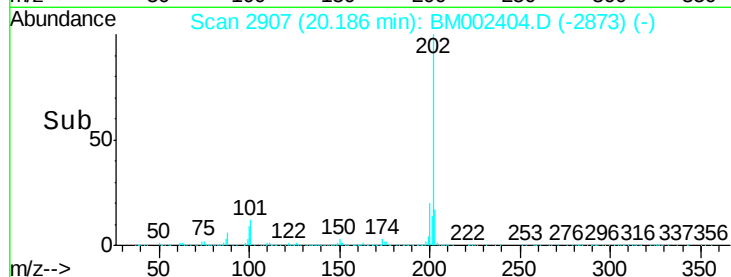
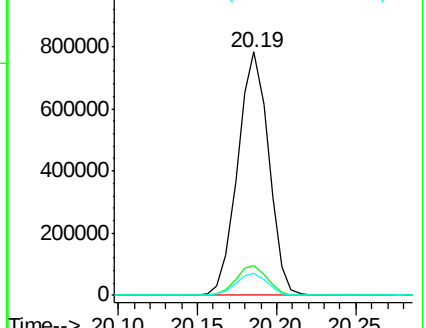
100 9.3 8.2 12.4



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: 23.11 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

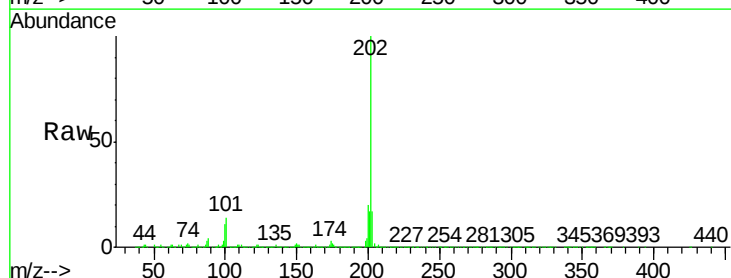
Tgt Ion:202 Resp: 1053348

Ion Ratio Lower Upper

202 100

101 14.2 13.0 19.6

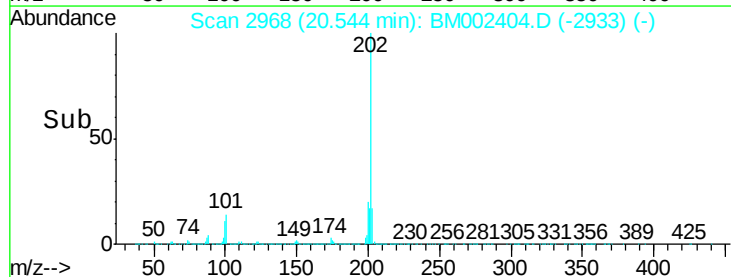
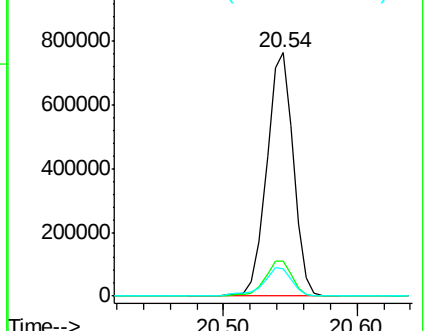
100 11.5 11.0 16.4

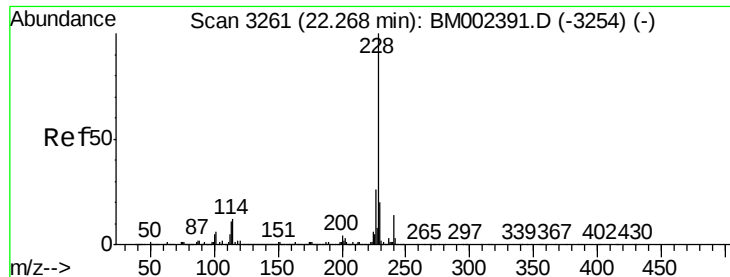


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.14 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

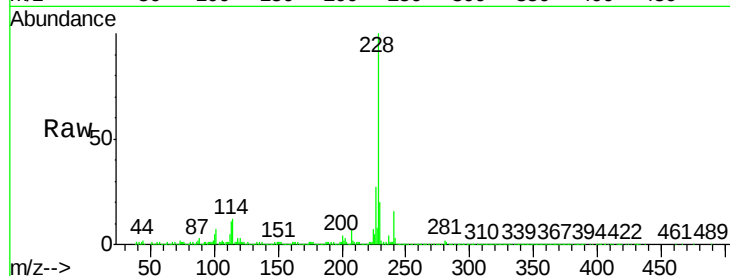
Tgt Ion:228 Resp: 866817

Ion Ratio Lower Upper

228 100

229 19.7 15.7 23.5

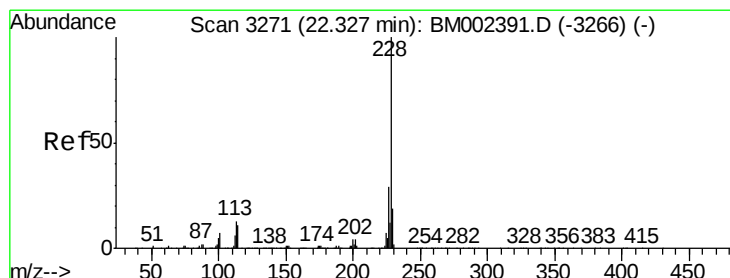
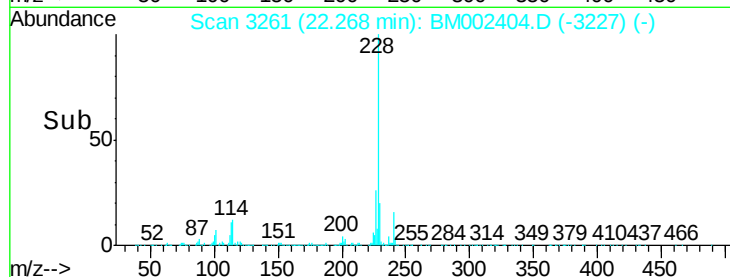
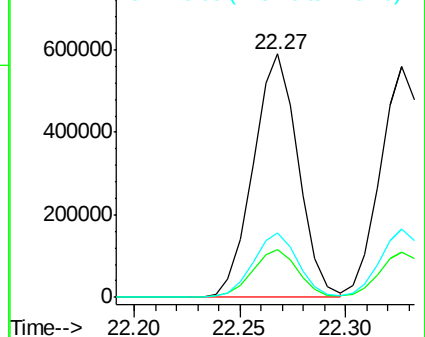
226 26.5 21.4 32.0



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: 19.94 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

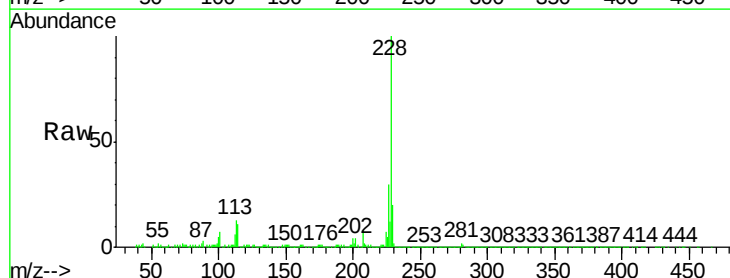
Tgt Ion:228 Resp: 813434

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

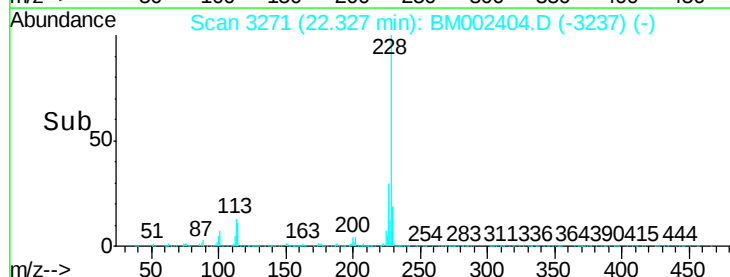
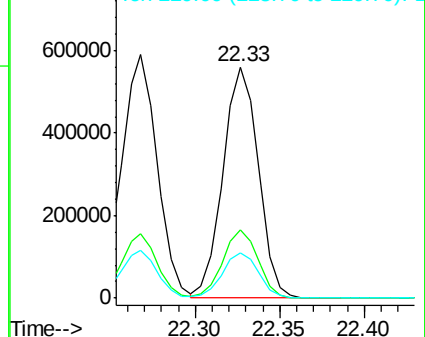
229 19.6 15.5 23.3

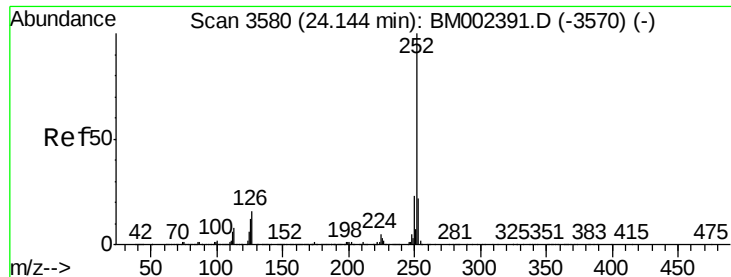


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.78 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

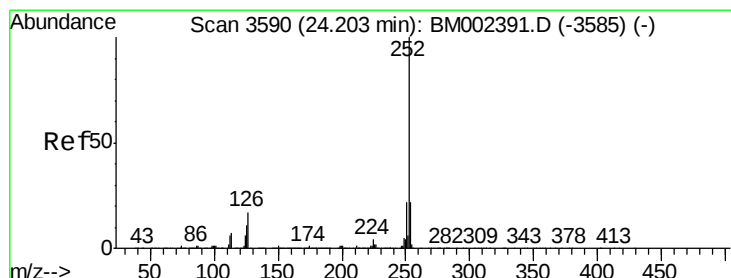
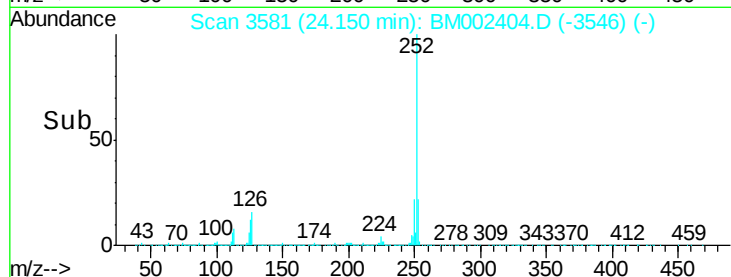
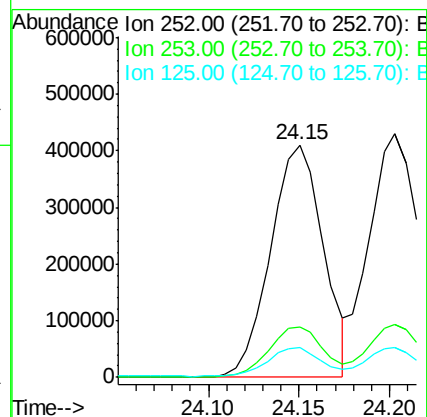
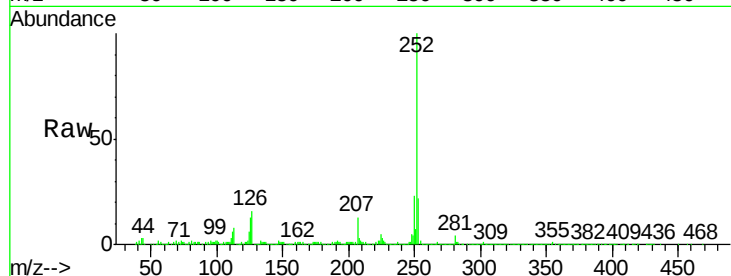
Tgt Ion:252 Resp: 831390

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 12.8 10.3 15.5



#24

Benzo(k)fluoranthene

Concen: 20.44 ng/ul

RT: 24.20 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

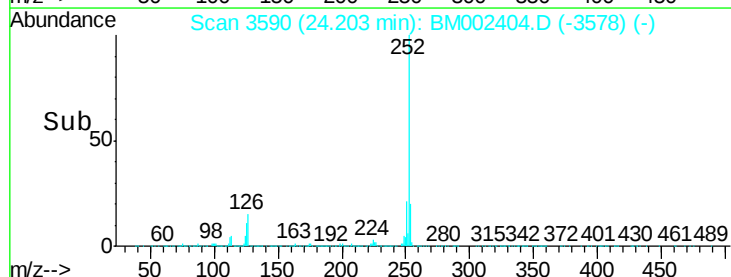
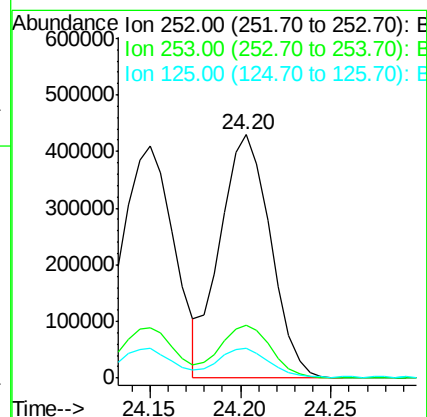
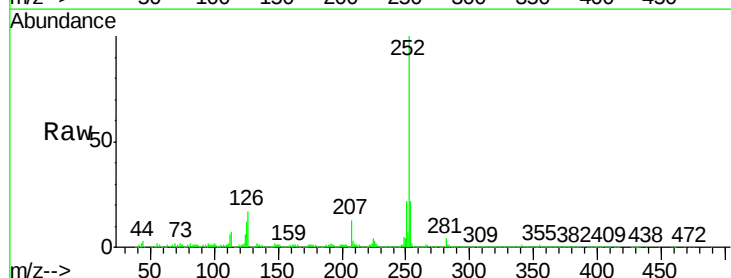
Tgt Ion:252 Resp: 824773

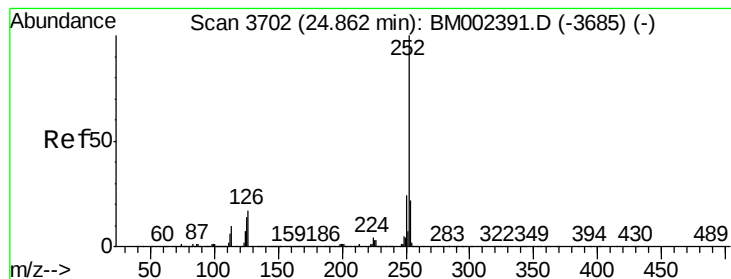
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 12.4 10.2 15.4





#26

Benzo(a)pyrene

Concen: 20.18 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

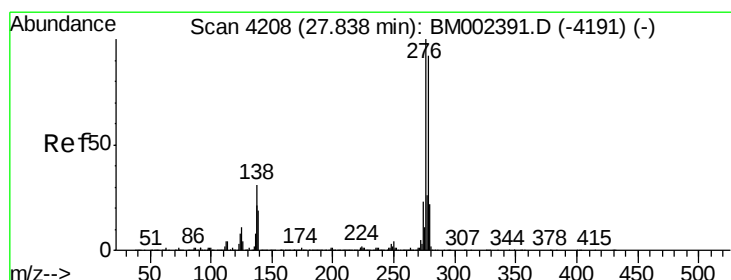
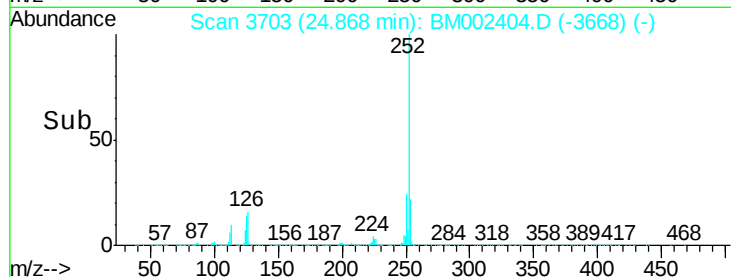
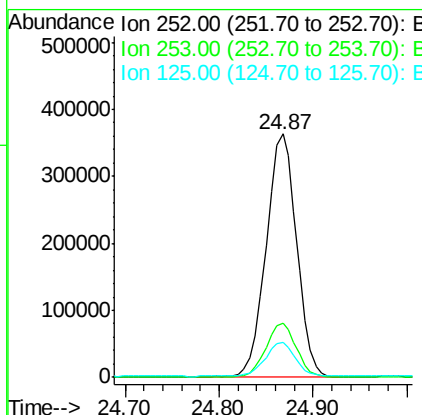
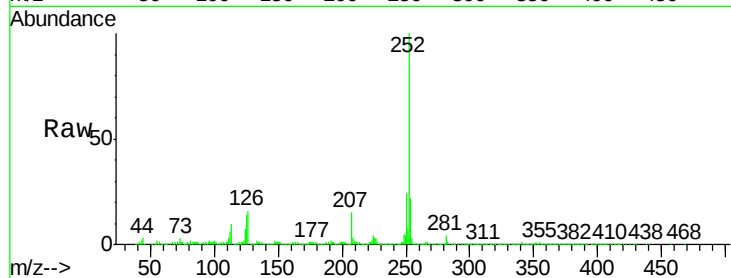
Instrument :

BNA_M

ClientSampleId :

SSTD02031

Tgt Ion:	252	Resp:	811499
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	14.4	11.0	16.6



#27

Indeno(1,2,3-cd)pyrene

Concen: 20.69 ng/ul

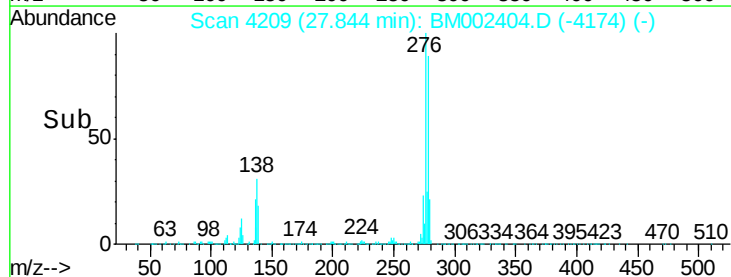
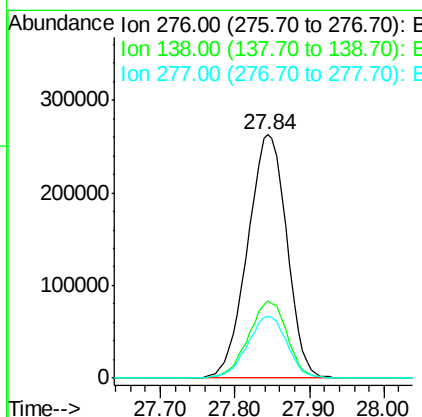
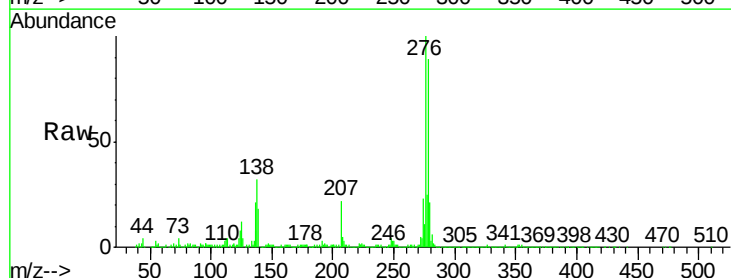
RT: 27.84 min Scan# 4209

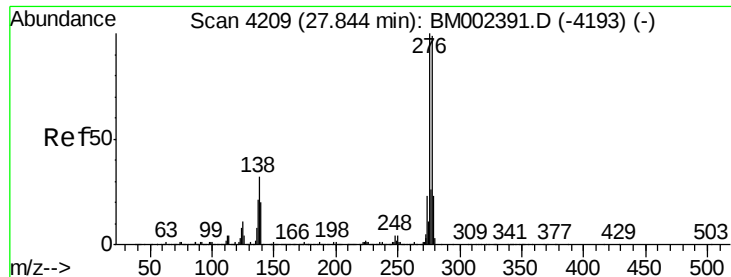
Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Tgt Ion:	276	Resp:	953556
Ion Ratio	Lower	Upper	
276	100		
138	31.6	25.6	38.4
277	25.5	21.0	31.4





#28

Dibenzo(a,h)anthracene

Concen: 20.65 ng/ul

RT: 27.85 min Scan# 4210

Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

Instrument :

BNA_M

ClientSampleId :

SSTD02031

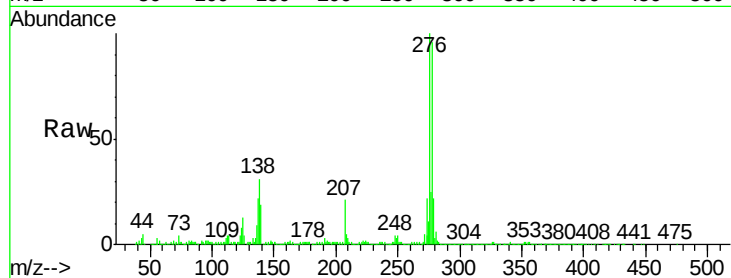
Tgt Ion:278 Resp: 806615

Ion Ratio Lower Upper

278 100

139 20.1 16.4 24.6

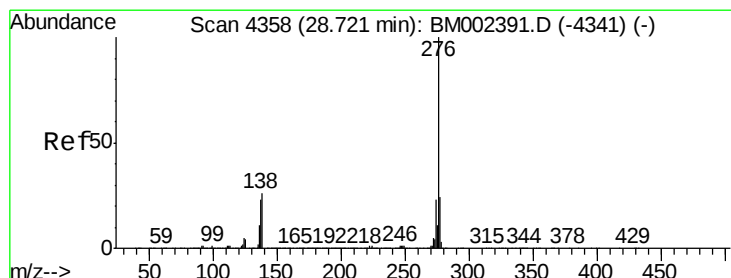
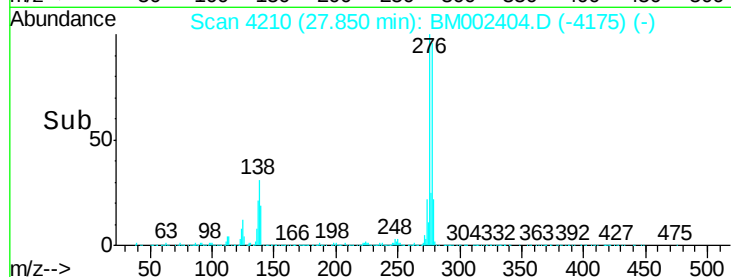
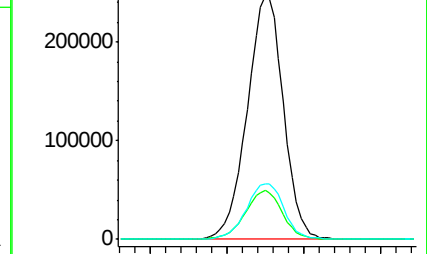
279 23.0 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 20.55 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BM002404.D

Acq: 13 Aug 2015 19:01

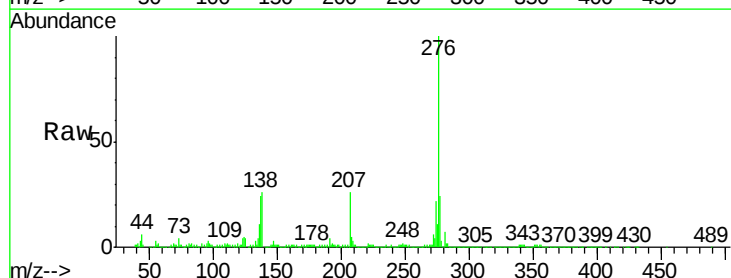
Tgt Ion:276 Resp: 799150

Ion Ratio Lower Upper

276 100

138 25.8 20.5 30.7

277 23.7 19.0 28.6



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

