

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002596.D
 Acq On : 31 Aug 2015 19:23
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02066

Quant Time: Sep 01 01:42:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 01:38:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	157281	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	675617	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	310135	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	506128	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	447589	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	469360	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	601079	18.96	ng/ul	0.00
10) Fluorene-d10	16.34	176	382952	17.19	ng/ul	0.00
14) Anthracene-d10	18.17	188	452551	18.54	ng/ul	0.00
18) Pyrene-d10	20.40	212	406280	20.48	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	459355	18.63	ng/ul	0.00

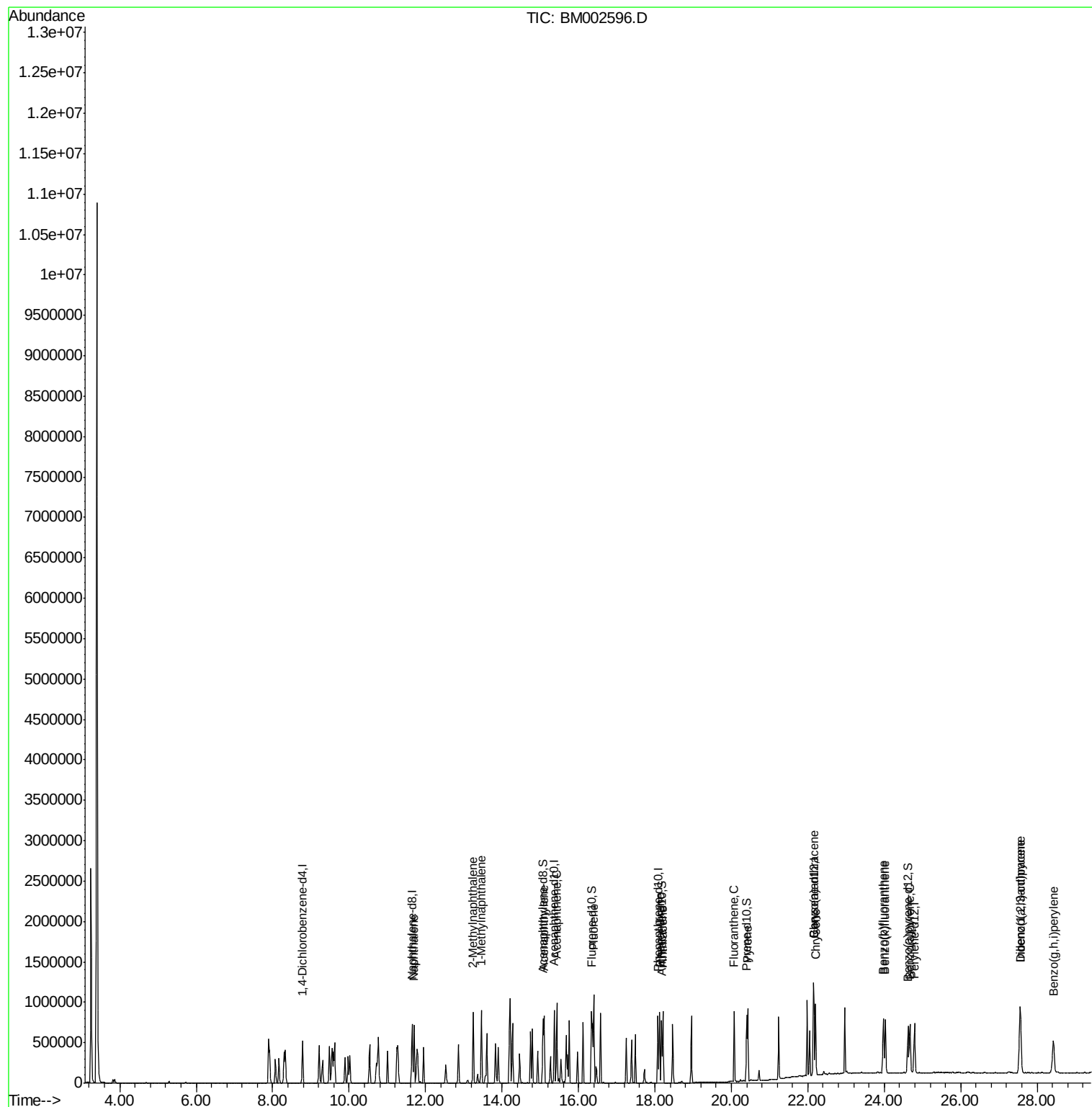
Target Compounds				Qvalue		
3) Naphthalene	11.70	128	648992	18.82	ng/ul	100
4) 2-Methylnaphthalene	13.24	142	445799	17.26	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	433911	16.98	ng/ul	99
8) Acenaphthylene	15.10	152	630054	18.98	ng/ul	99
9) Acenaphthene	15.43	153	410177	18.76	ng/ul	100
11) Fluorene	16.40	166	429458	17.14	ng/ul	100
13) Phenanthrene	18.12	178	549894	18.82	ng/ul	99
15) Anthracene	18.21	178	551783	18.63	ng/ul	99
16) Fluoranthene	20.07	202	519903	15.71	ng/ul	98
19) Pyrene	20.43	202	537323	20.49	ng/ul	97
20) Benzo(a)anthracene	22.14	228	501356	18.73	ng/ul	99
21) Chrysene	22.20	228	470714	18.80	ng/ul	99
23) Benzo(b)fluoranthene	23.98	252	530303	18.69	ng/ul	100
24) Benzo(k)fluoranthene	24.03	252	494159	18.38	ng/ul	98
26) Benzo(a)pyrene	24.67	252	512476	18.91	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.56	276	611582	19.62	ng/ul	98
28) Dibenzo(a,h)anthracene	27.56	278	518504	19.90	ng/ul	98
29) Benzo(g,h,i)perylene	28.43	276	514778	19.84	ng/ul	98

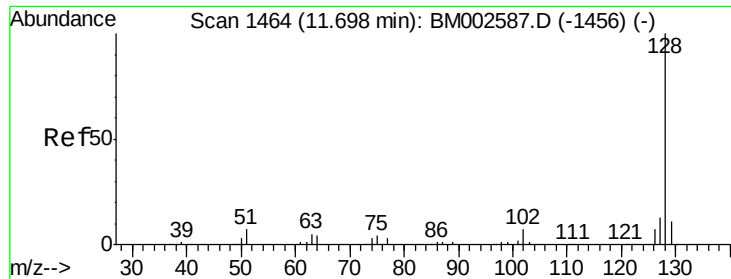
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 18.82 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

Instrument :

BNA_M

ClientSampleId :

SSTD02066

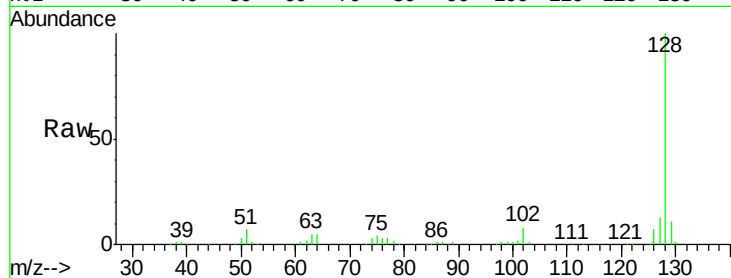
Tgt Ion:128 Resp: 648992

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

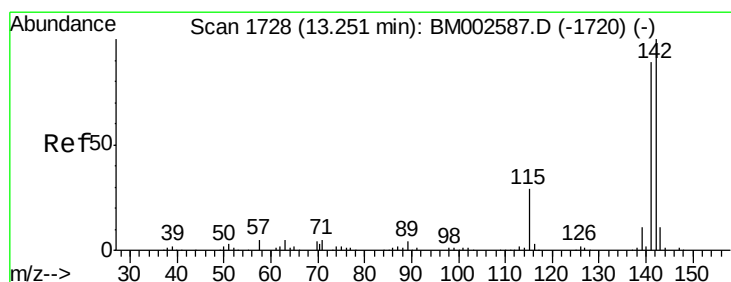
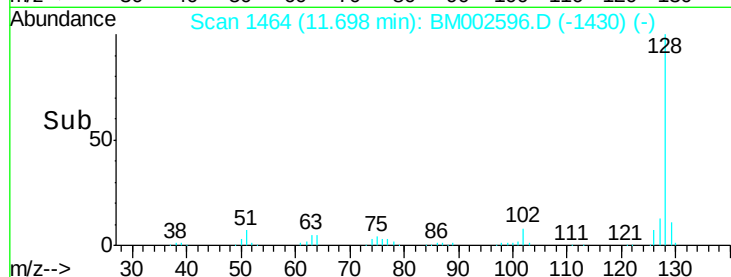
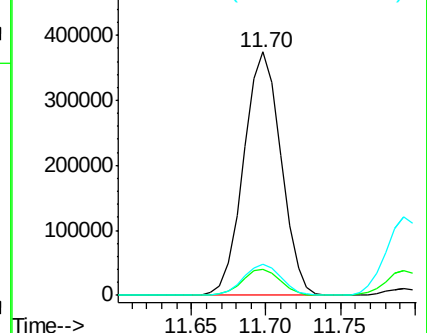
127 13.0 10.4 15.6



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: 17.26 ng/ul

RT: 13.24 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BM002596.D

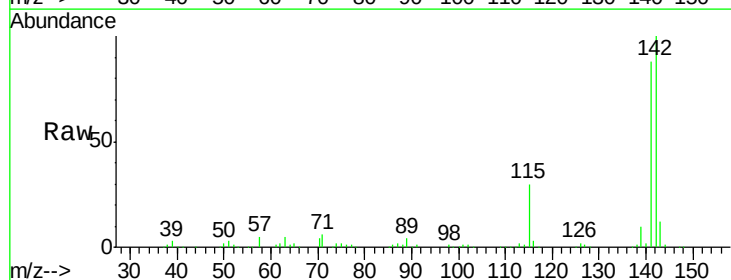
Acq: 31 Aug 2015 19:23

Tgt Ion:142 Resp: 445799

Ion Ratio Lower Upper

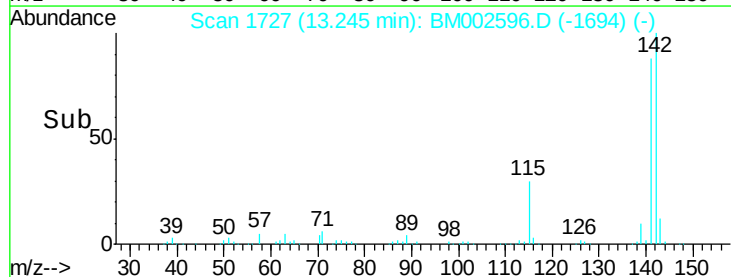
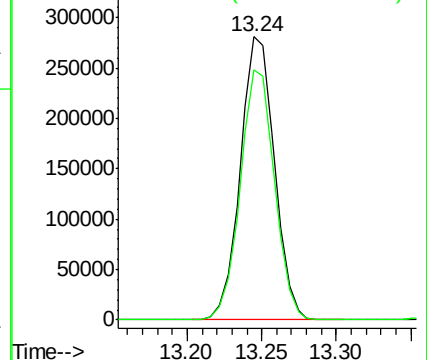
142 100

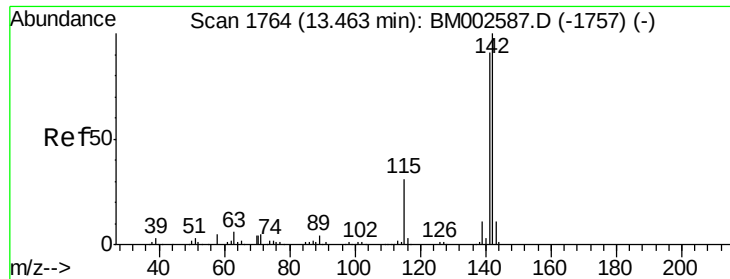
141 88.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 16.98 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

Instrument :

BNA_M

ClientSampleId :

SSTD02066

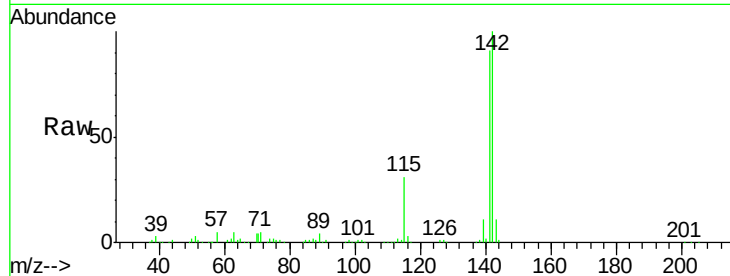
Tgt Ion:142 Resp: 433911

Ion Ratio Lower Upper

142 100

141 91.1 73.9 110.9

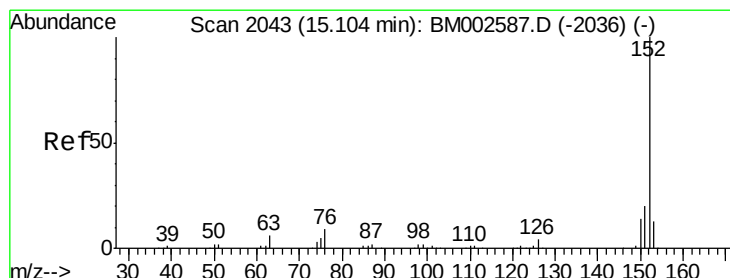
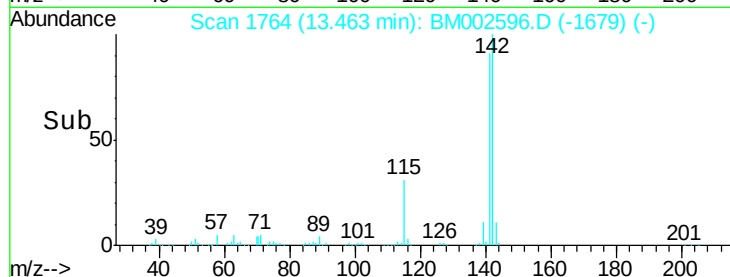
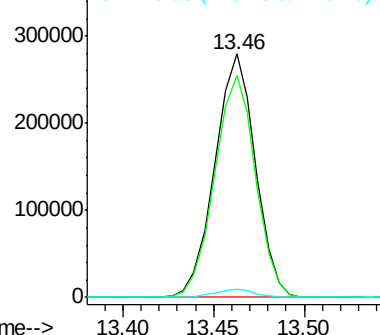
116 3.3 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 18.98 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

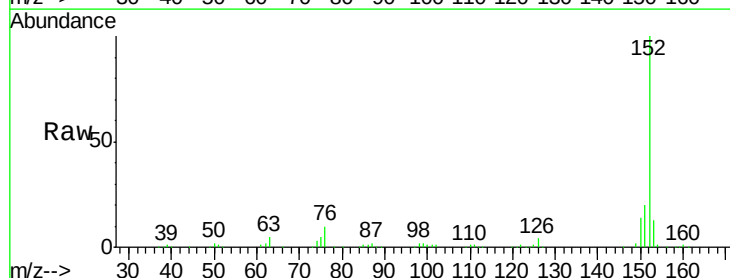
Tgt Ion:152 Resp: 630054

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

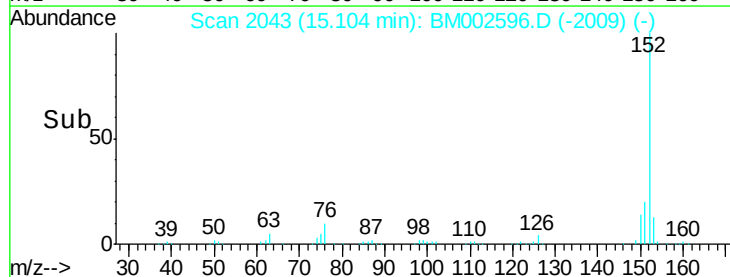
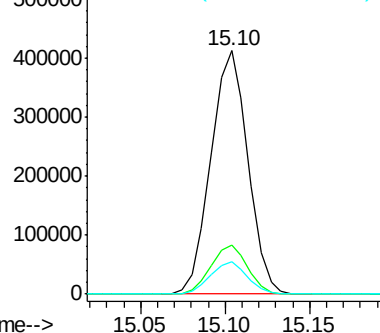
153 13.3 10.2 15.4

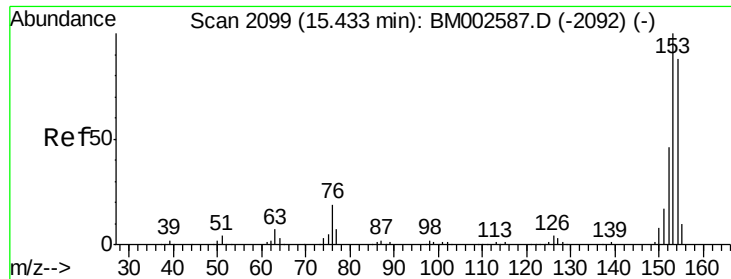


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 18.76 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

Instrument :

BNA_M

ClientSampleId :

SSTD02066

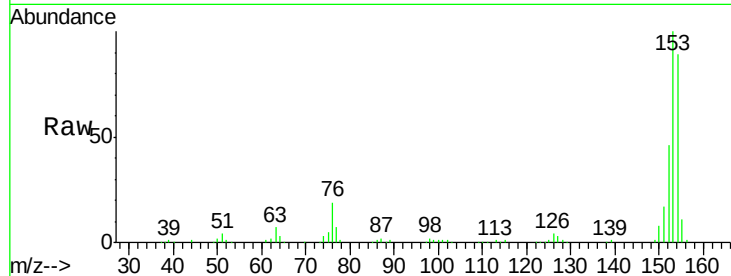
Tgt Ion:153 Resp: 410177

Ion Ratio Lower Upper

153 100

152 46.2 36.9 55.3

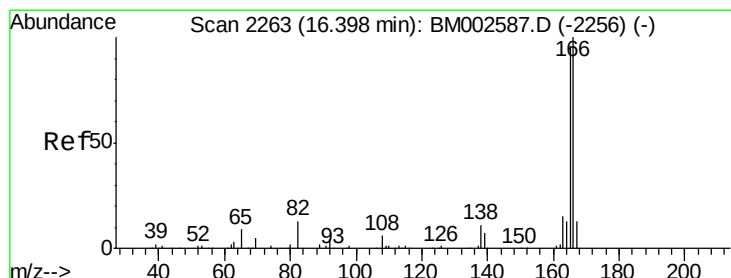
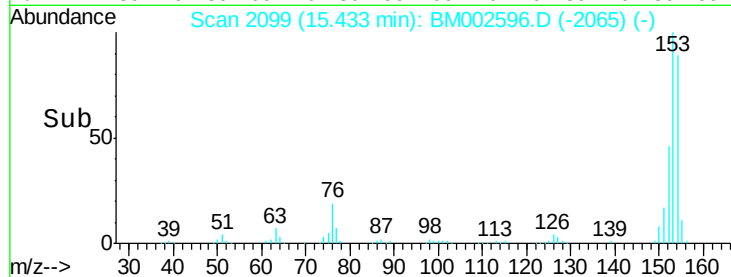
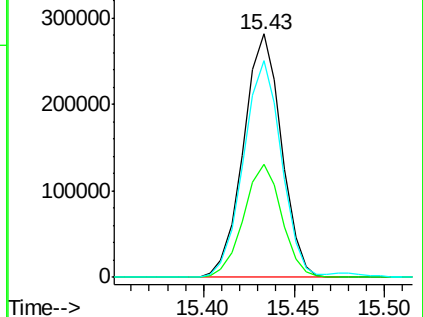
154 88.8 71.3 106.9



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



#11

Fluorene

Concen: 17.14 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

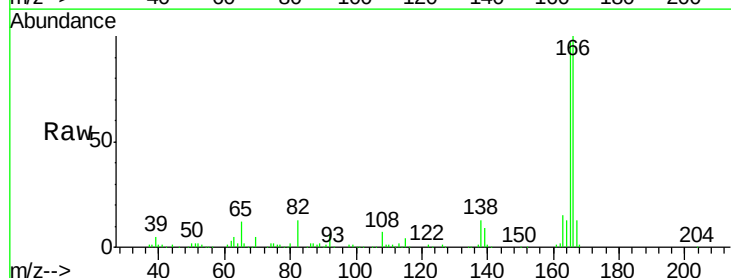
Tgt Ion:166 Resp: 429458

Ion Ratio Lower Upper

166 100

165 97.2 77.6 116.4

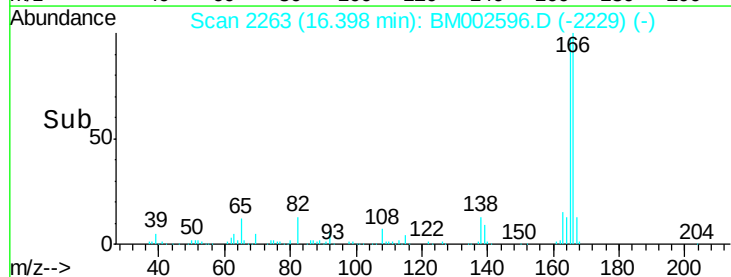
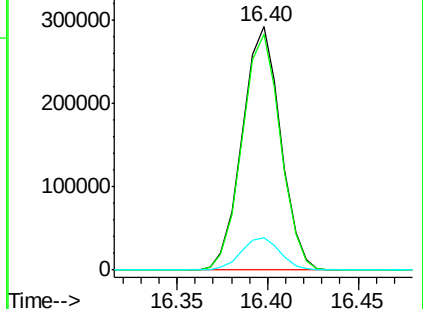
167 13.2 10.7 16.1

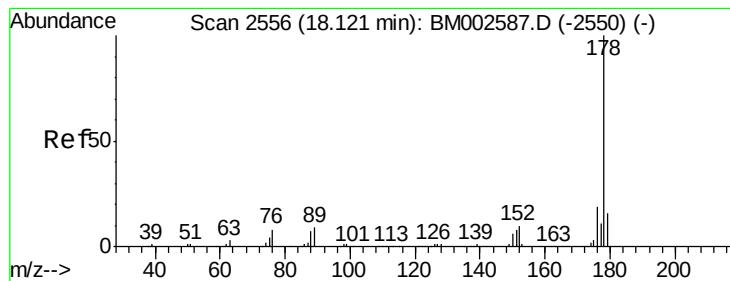


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 18.82 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

Instrument :

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ClientSampleId :

SSTD02066

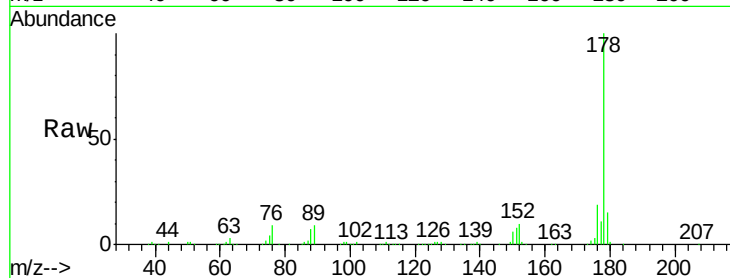
Tgt Ion:178 Resp: 549894

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

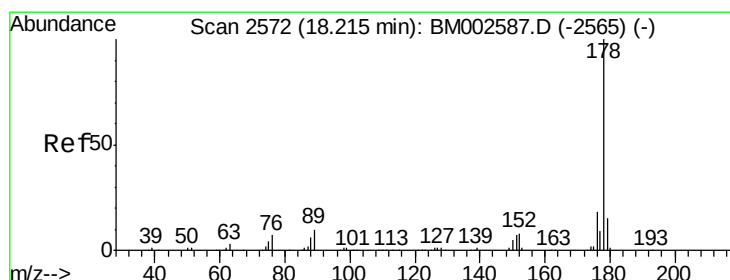
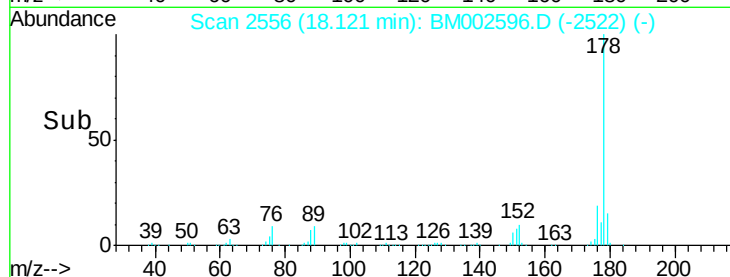
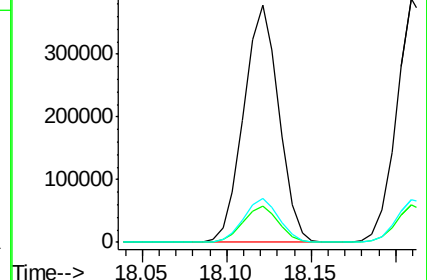
176 18.6 15.1 22.7



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: 18.63 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

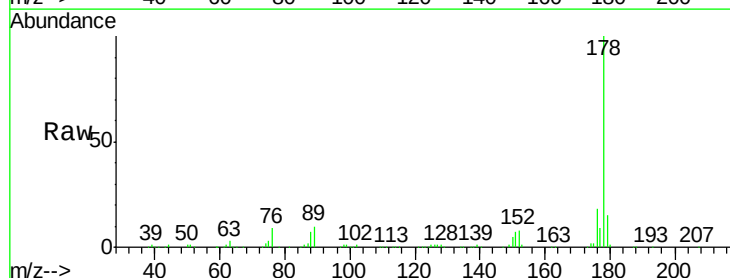
Tgt Ion:178 Resp: 551783

Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

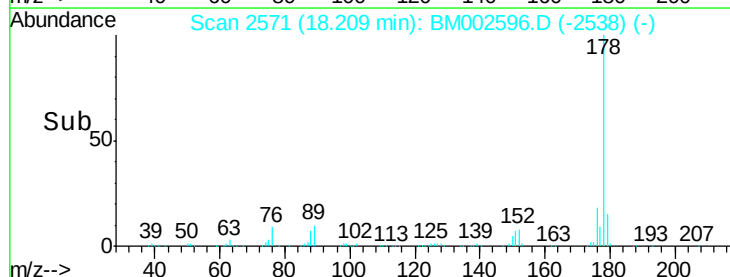
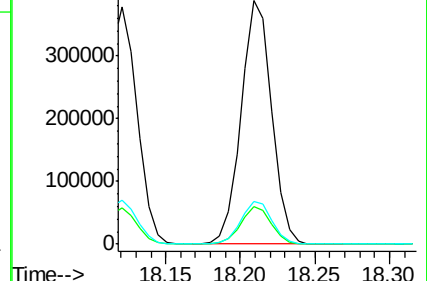
176 17.7 14.5 21.7

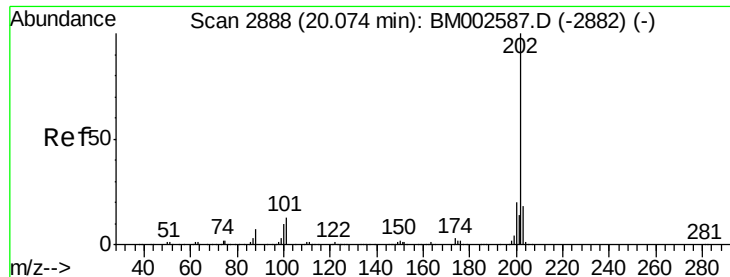


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 15.71 ng/ul

RT: 20.07 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

Instrument :

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ClientSampleId :

SSTD02066

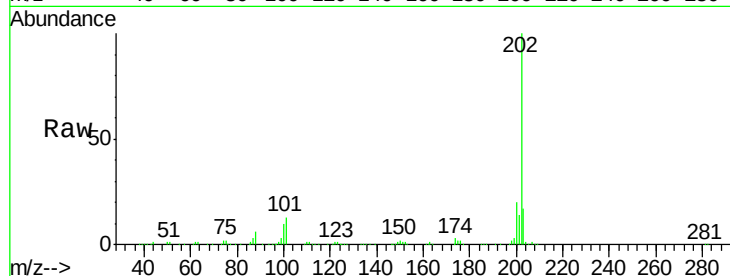
Tgt Ion:202 Resp: 519903

Ion Ratio Lower Upper

202 100

101 12.8 9.7 14.5

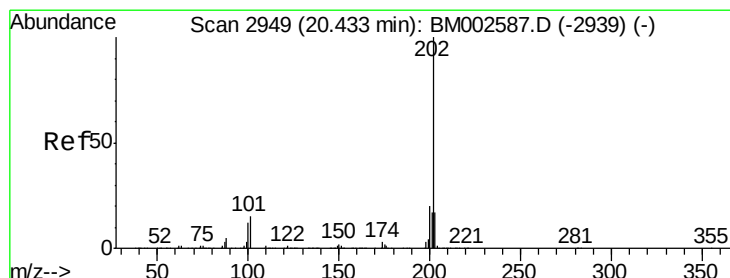
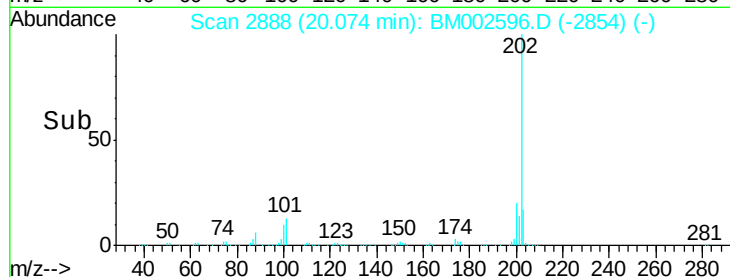
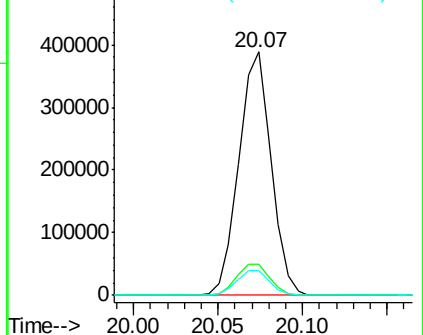
100 10.1 7.4 11.2



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: 20.49 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

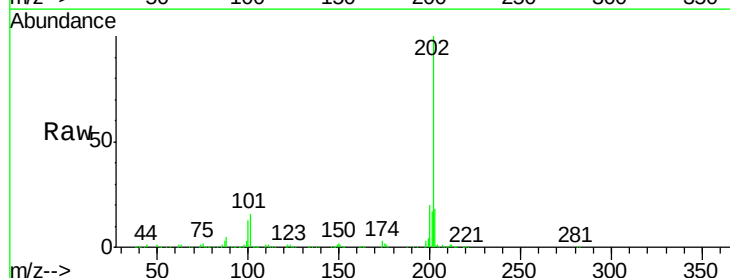
Tgt Ion:202 Resp: 537323

Ion Ratio Lower Upper

202 100

101 16.2 12.0 18.0

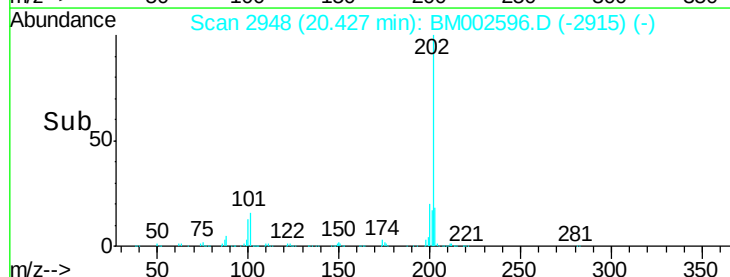
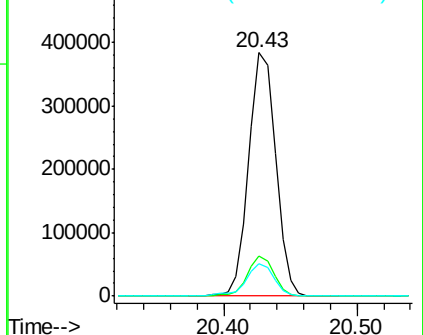
100 13.3 9.7 14.5

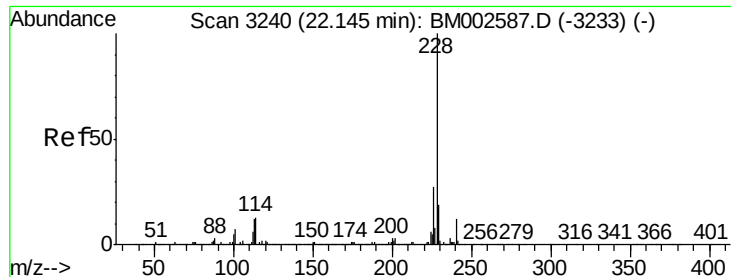


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

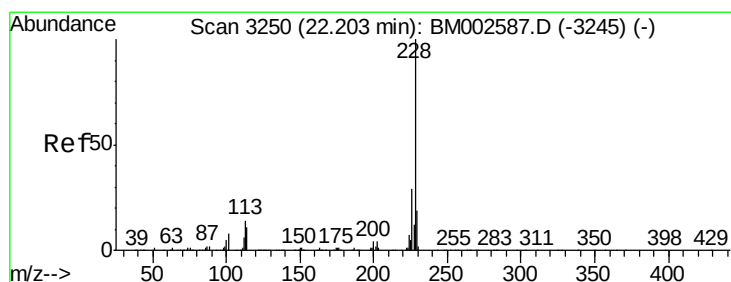
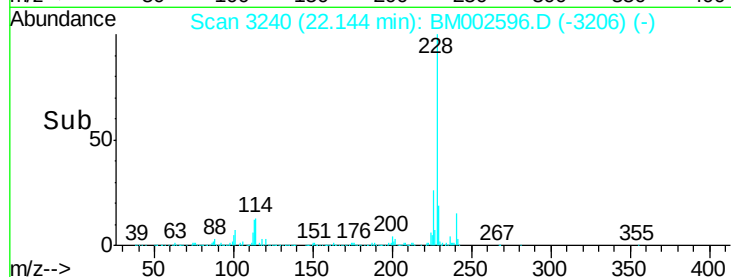
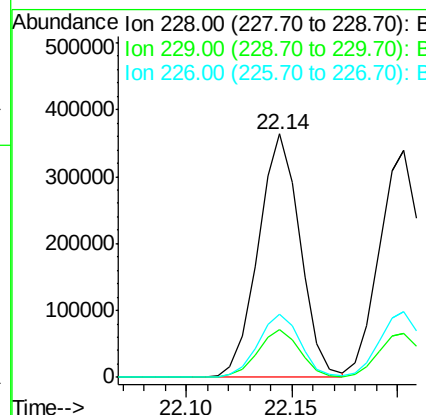
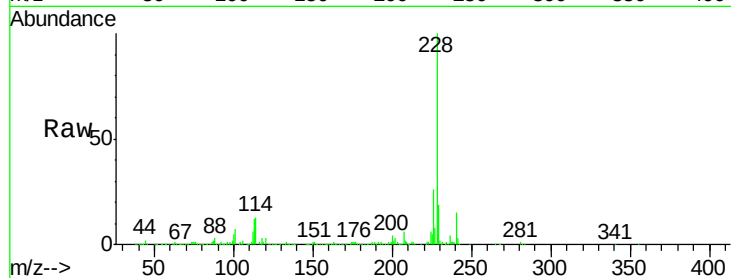




#20
Benzo(a)anthracene
Concen: 18.73 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. -0.00 min
Lab File: BM002596.D
Acq: 31 Aug 2015 19:23

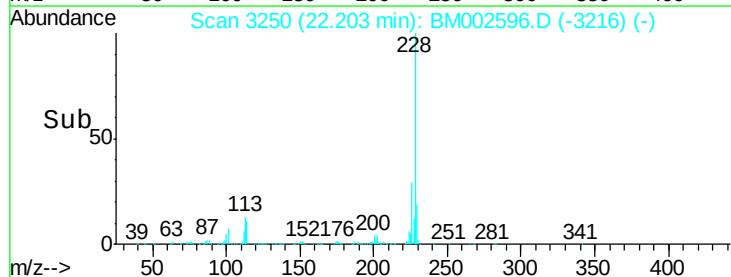
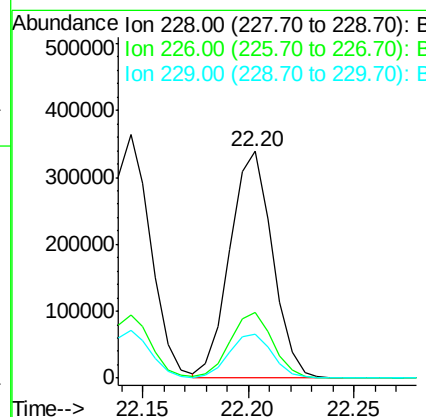
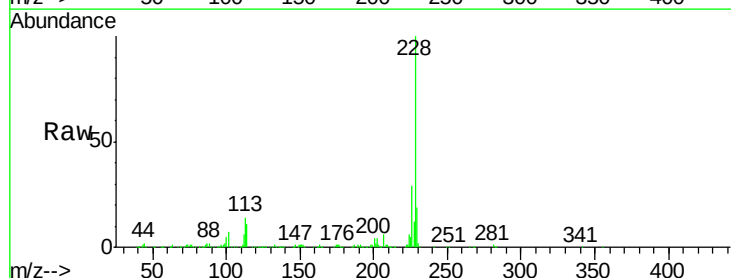
Instrument :
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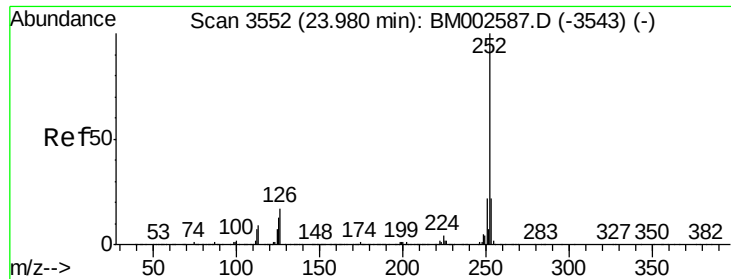
Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.8	23.6
226	25.7	21.1	31.7



#21
Chrysene
Concen: 18.80 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. -0.00 min
Lab File: BM002596.D
Acq: 31 Aug 2015 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	19.3	15.7	23.5

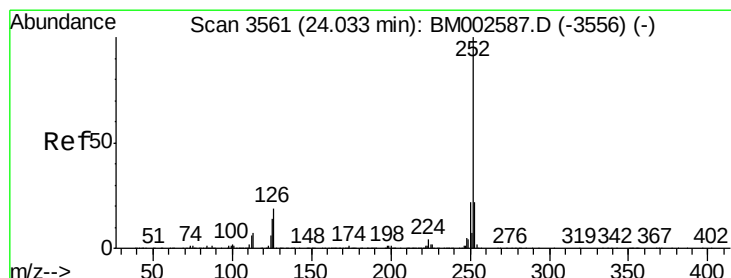
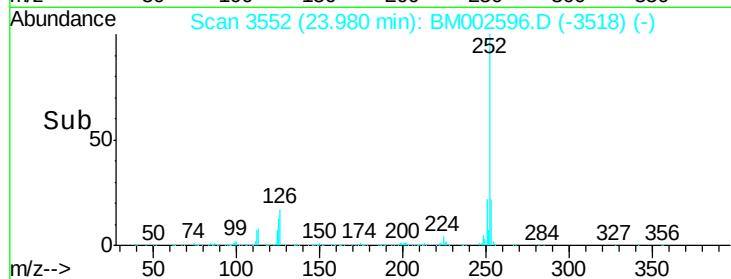
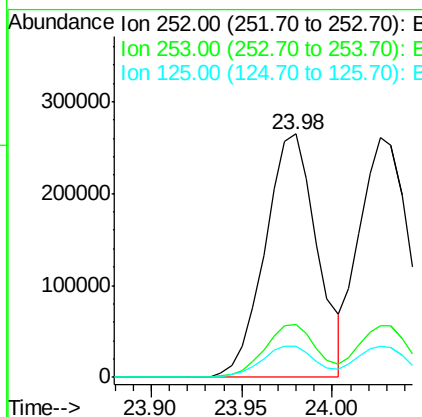
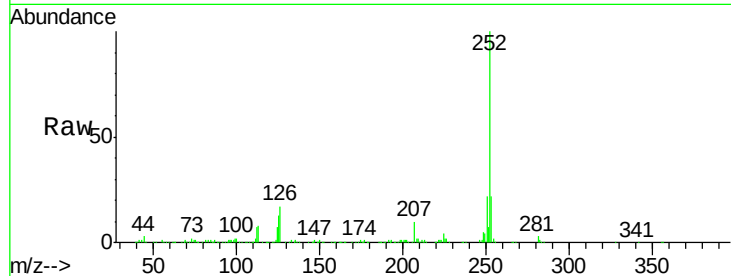




#23
Benzo(b)fluoranthene
Concen: 18.69 ng/ul
RT: 23.98 min Scan# 3552
Delta R.T. -0.00 min
Lab File: BM002596.D
Acq: 31 Aug 2015 19:23

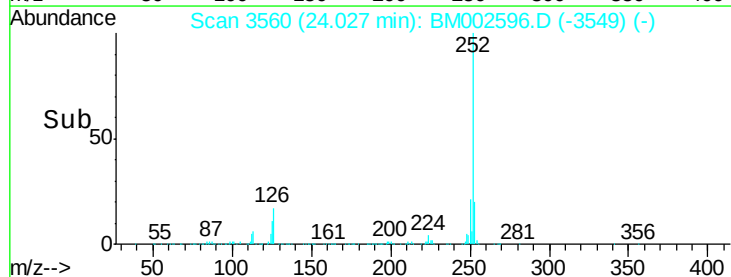
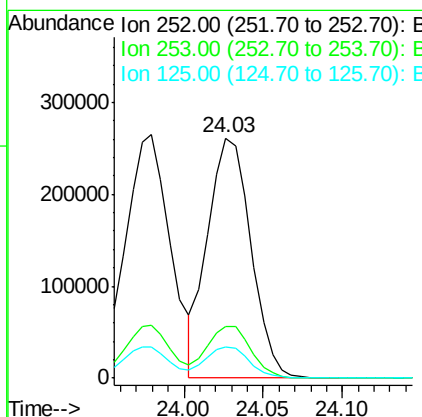
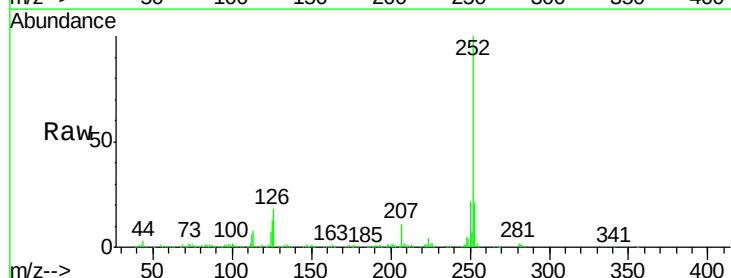
Instrument :
BNA_M
ClientSampleId :
SSTD02066

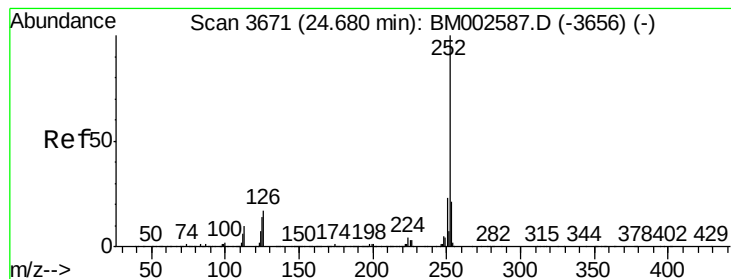
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	12.9	10.0	15.0



#24
Benzo(k)fluoranthene
Concen: 18.38 ng/ul
RT: 24.03 min Scan# 3560
Delta R.T. -0.01 min
Lab File: BM002596.D
Acq: 31 Aug 2015 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	13.1	9.8	14.8





#26

Benzo(a)pyrene

Concen: 18.91 ng/ul

RT: 24.67 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

Instrument :

BNA_M

ClientSampleId :

SSTD02066

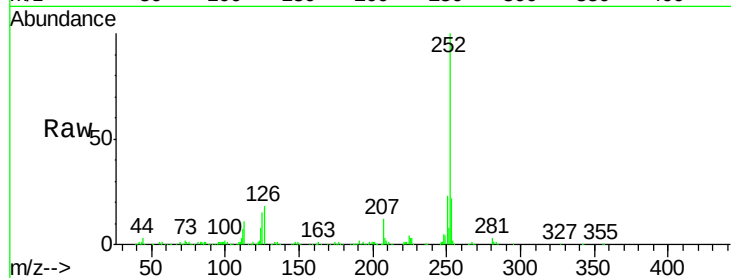
Tgt Ion:252 Resp: 512476

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 14.9 10.7 16.1

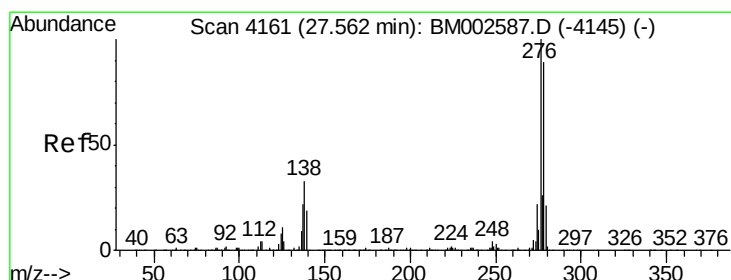
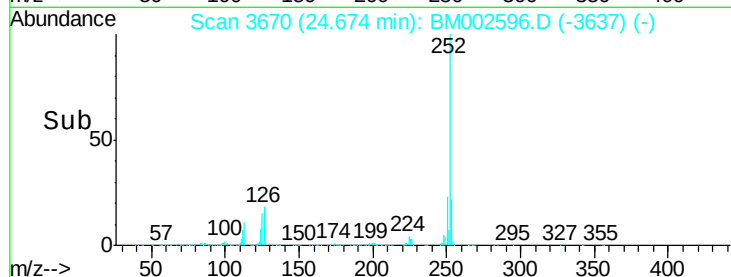
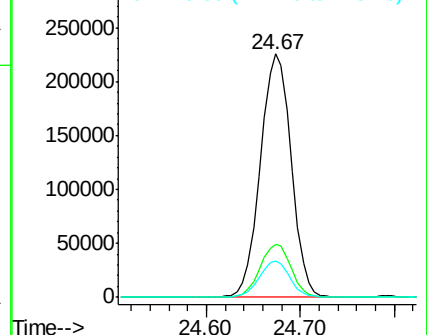


Abundance

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: 19.62 ng/ul

RT: 27.56 min Scan# 4161

Delta R.T. -0.00 min

Lab File: BM002596.D

Acq: 31 Aug 2015 19:23

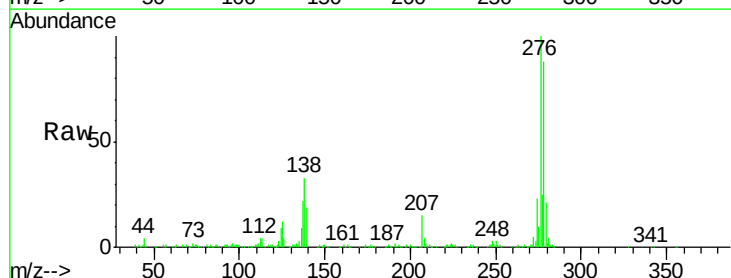
Tgt Ion:276 Resp: 611582

Ion Ratio Lower Upper

276 100

138 33.0 25.3 37.9

277 25.5 20.2 30.2

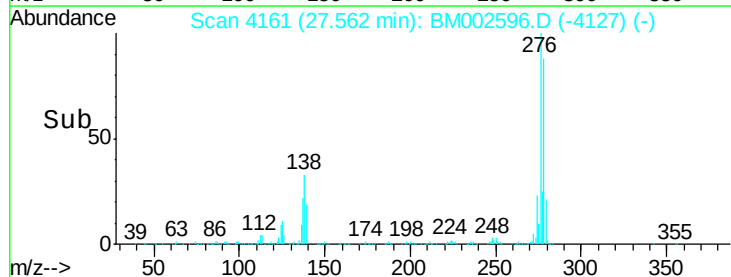
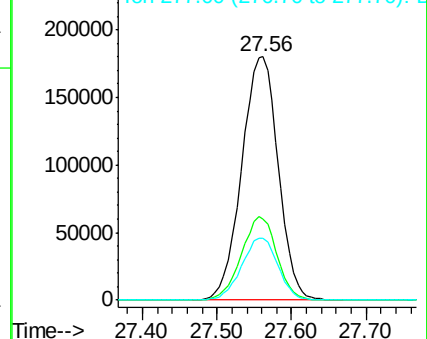


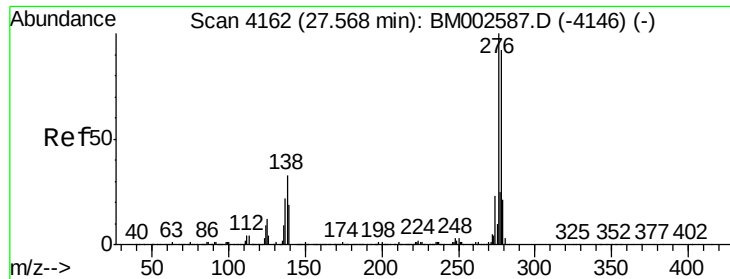
Abundance

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

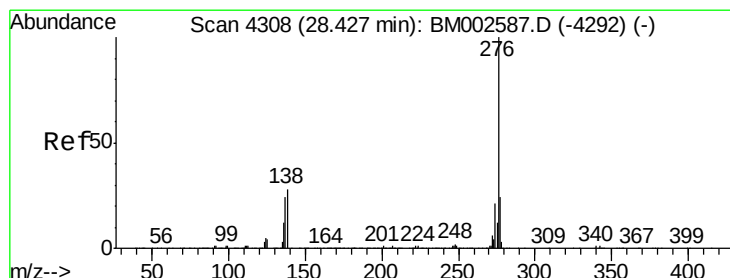
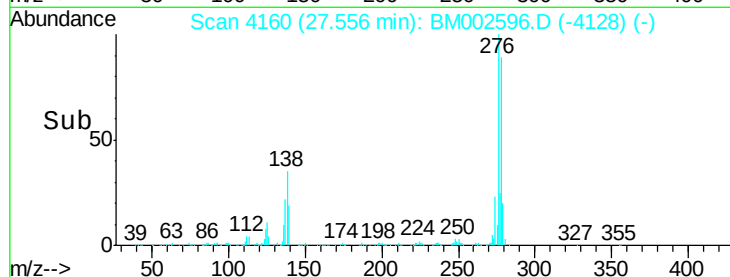
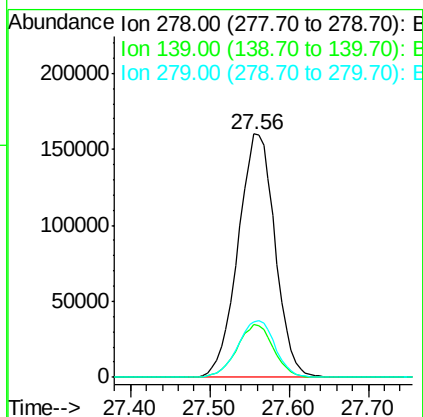
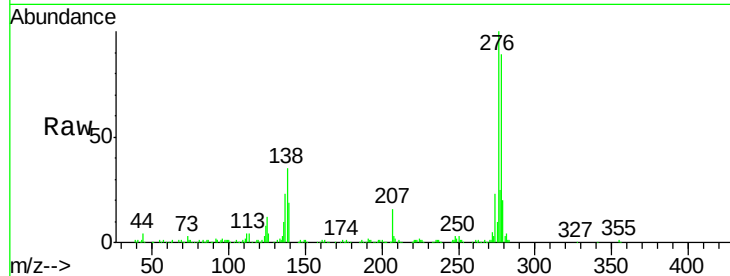




#28
Dibenzo(a,h)anthracene
Concen: 19.90 ng/ul
RT: 27.56 min Scan# 4160
Delta R.T. -0.01 min
Lab File: BM002596.D
Acq: 31 Aug 2015 19:23

Instrument :
BNA_M
ClientSampleId :
SSTD02066

Tgt Ion:278 Resp: 518504
Ion Ratio Lower Upper
278 100
139 21.5 16.5 24.7
279 22.9 18.8 28.2



#29
Benzo(g,h,i)perylene
Concen: 19.84 ng/ul
RT: 28.43 min Scan# 4308
Delta R.T. -0.00 min
Lab File: BM002596.D
Acq: 31 Aug 2015 19:23

Tgt Ion:276 Resp: 514778
Ion Ratio Lower Upper
276 100
138 27.7 21.0 31.6
277 23.5 19.2 28.8

