

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006183.D
 Acq On : 01 Jul 2016 16:43
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02058

Quant Time: Jul 01 17:33:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	212487	20.00	ng/ul	0.00
7) Naphthalene-d8	10.45	136	1002689	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	587891	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	1307496	20.00	ng/ul	0.02
29) Chrysene-d12	21.26	240	981057	20.00	ng/ul	0.01
34) Perylene-d12	23.49	264	989866	20.00	ng/ul	0.03

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	29901	6.54	ng/uL	0.00
3) Phenol-d5	6.85	99	350637	20.20	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.00	67	208434	20.37	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	268254	20.13	ng/ul	0.01
6) 4-Methylphenol-d8	8.38	113	285515	20.44	ng/ul	0.02
8) Nitrobenzene-d5	8.82	128	137642	20.38	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	154128	19.94	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	285540	20.25	ng/ul	0.02
12) 4-Chloroaniline-d4	10.59	131	233721	20.97	ng/ul	0.01
16) Dimethylphthalate-d6	13.73	166	805342	19.11	ng/ul	0.01
17) Acenaphthylene-d8	14.00	160	1036096	20.26	ng/ul	0.01
20) 4-Nitrophenol-d4	14.54	143	148068	18.52	ng/ul	0.04
21) Fluorene-d10	15.31	176	715987	19.91	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.45	200	94294	20.36	ng/ul	0.02
26) Anthracene-d10	17.17	188	1076008	20.51	ng/ul	0.02
30) Pyrene-d10	19.47	212	1005536	25.45	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.35	264	788467	20.02	ng/ul	0.03

Target Compounds

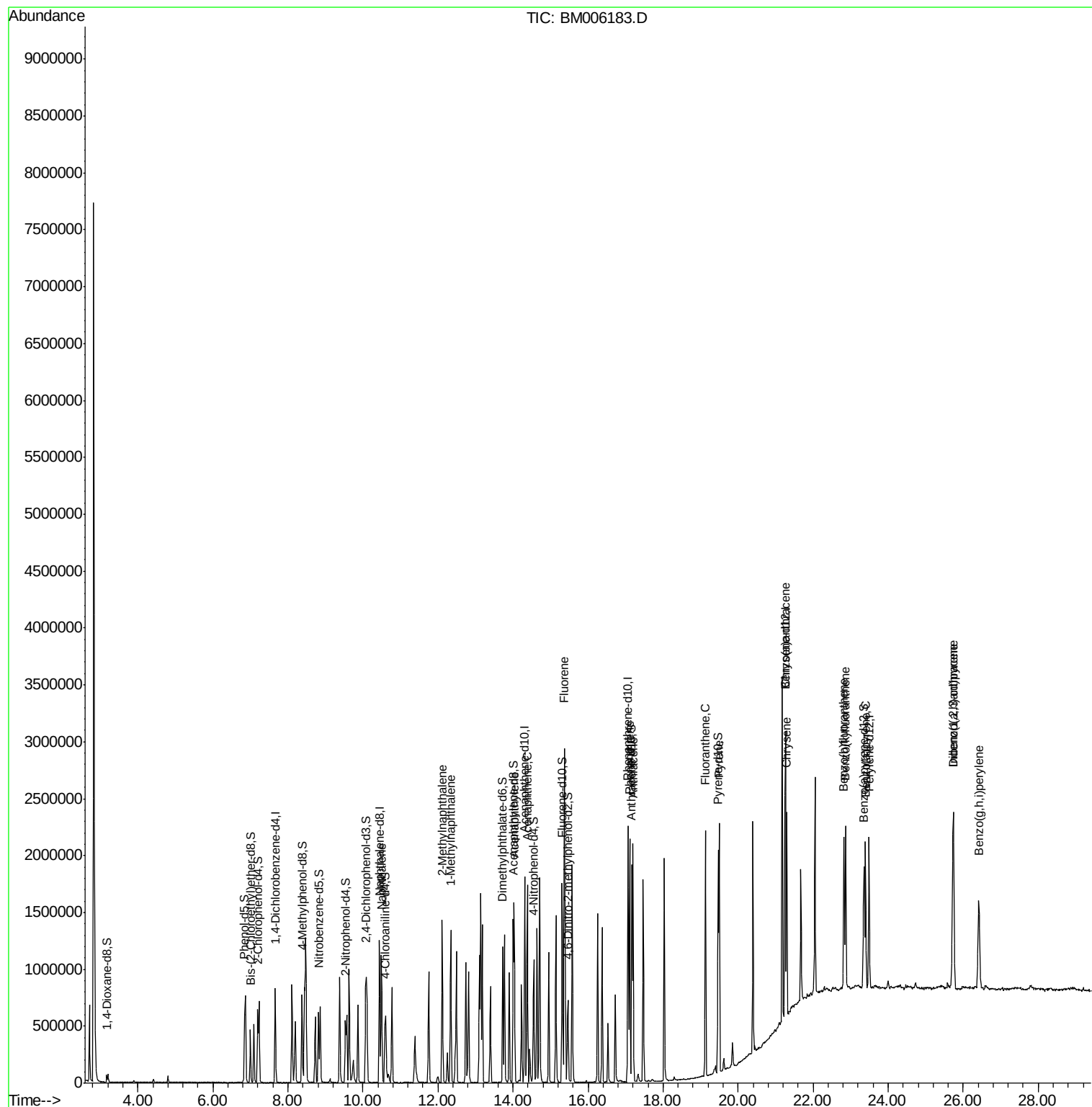
						Qvalue
11) Naphthalene	10.49	128	889451	20.26	ng/ul	99
13) 2-Methylnaphthalene	12.12	142	669495	20.07	ng/ul	98
14) 1-Methylnaphthalene	12.34	142	631724	19.92	ng/ul	99
18) Acenaphthylene	14.03	152	1098508	20.52	ng/ul	99
19) Acenaphthene	14.38	153	692224	20.26	ng/ul	100
22) Fluorene	15.37	166	789373	20.30	ng/ul	98
25) Phenanthrene	17.11	178	1253475	20.26	ng/ul	100
27) Anthracene	17.20	178	1304487	20.51	ng/ul	99
28) Fluoranthene	19.13	202	1331461	17.57	ng/ul	99
31) Pyrene	19.50	202	1308314	25.28	ng/ul	97
32) Benzo(a)anthracene	21.25	228	1029011	20.17	ng/ul	100
33) Chrysene	21.30	228	939759	20.01	ng/ul	100
35) Benzo(b)fluoranthene	22.82	252	1005735	19.58	ng/ul	99
36) Benzo(k)fluoranthene	22.87	252	980975	20.35	ng/ul	98
38) Benzo(a)pyrene	23.40	252	980561	20.20	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.73	276	1177975	23.35	ng/ul	96
40) Dibenzo(a,h)anthracene	25.74	278	982076	23.53	ng/ul	97
41) Benzo(g,h,i)perylene	26.42	276	1016328	24.07	ng/ul	97

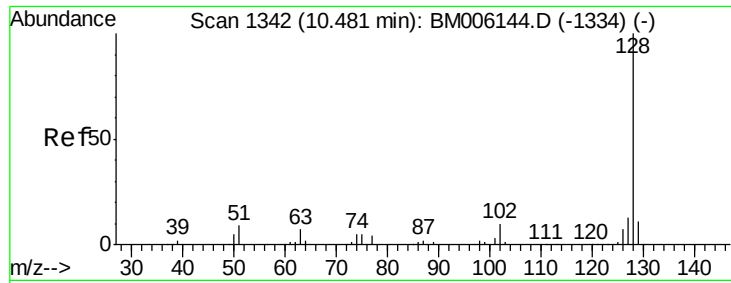
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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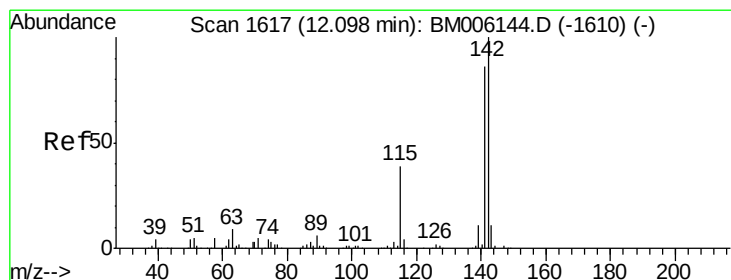
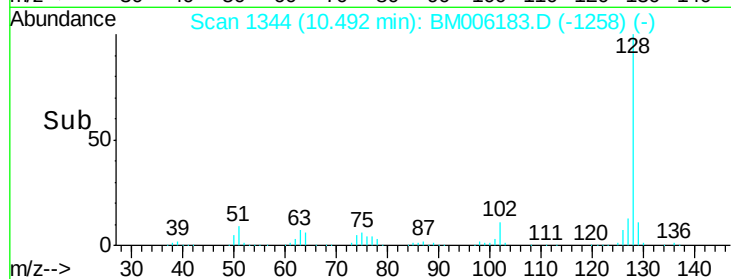
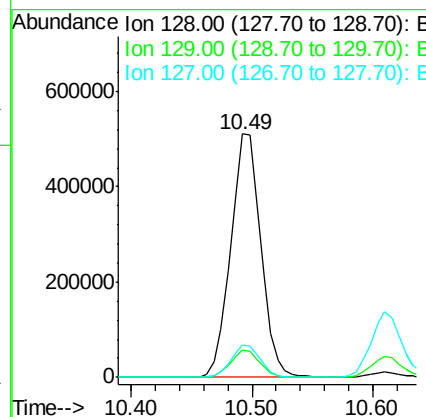
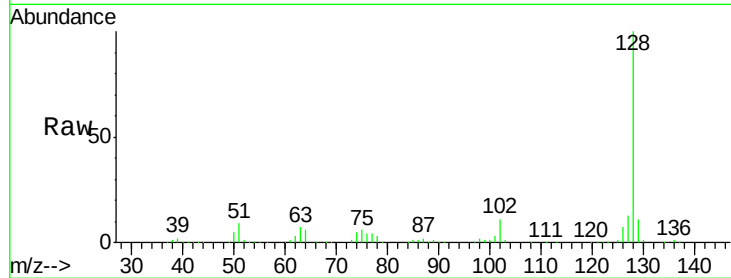




#11
Naphthalene
Concen: 20.26 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006183.D
Acq: 01 Jul 2016 16:43

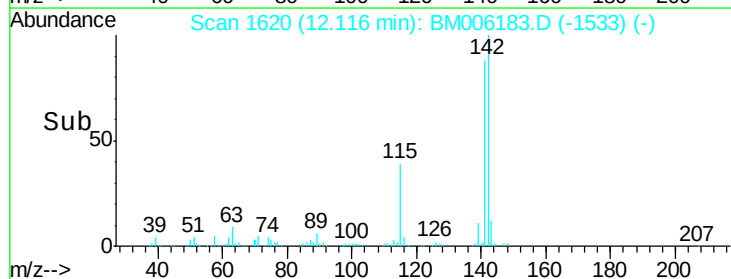
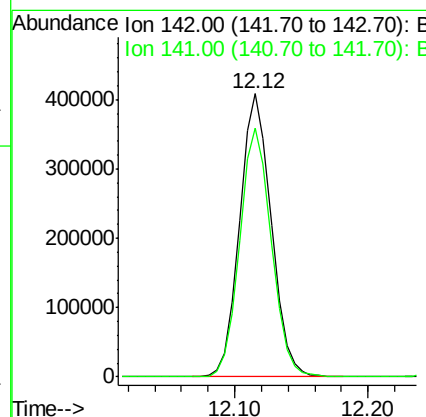
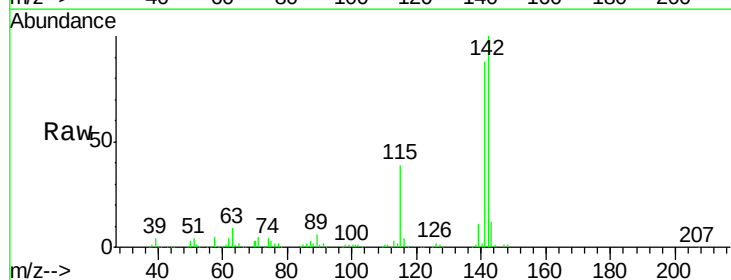
Instrument :
BNA_M
ClientSampleId :
SSTD02058

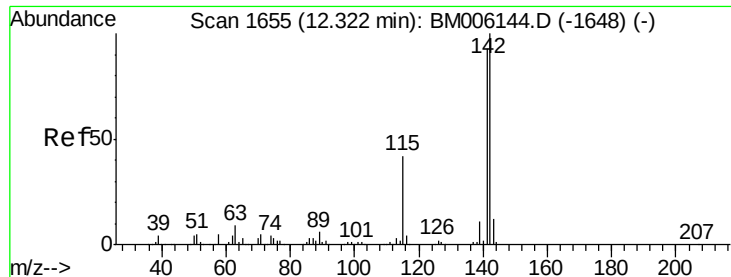
Tgt Ion:128 Resp: 889451
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.5 15.7



#13
2-Methylnaphthalene
Concen: 20.07 ng/ul
RT: 12.12 min Scan# 1620
Delta R.T. 0.01 min
Lab File: BM006183.D
Acq: 01 Jul 2016 16:43

Tgt Ion:142 Resp: 669495
Ion Ratio Lower Upper
142 100
141 87.8 69.0 103.6

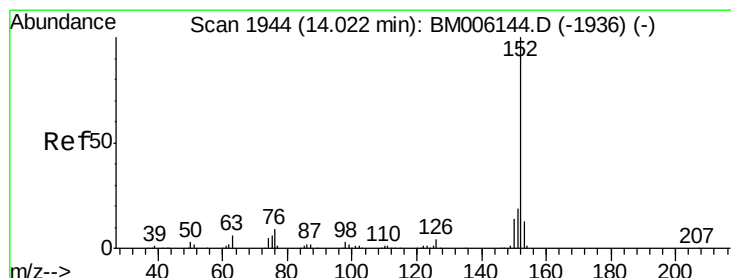
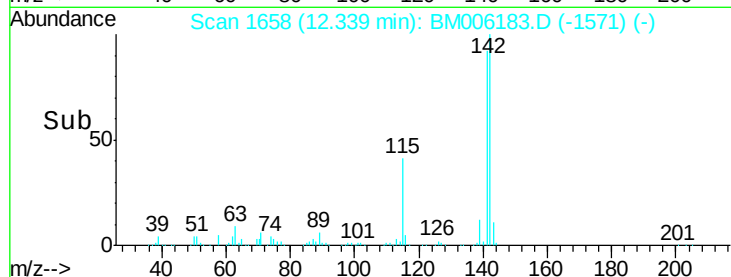
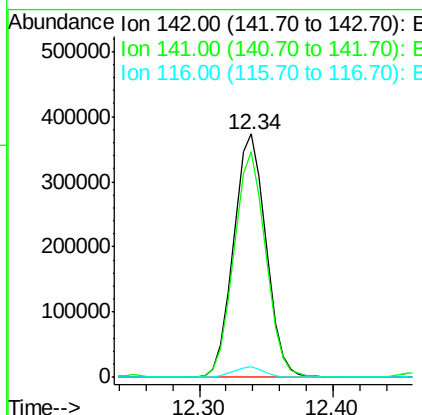
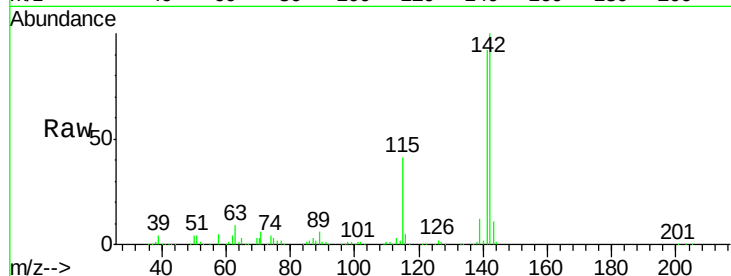




#14
1-Methylnaphthalene
Concen: 19.92 ng/ul
RT: 12.34 min Scan# 1658
Delta R.T. 0.01 min
Lab File: BM006183.D
Acq: 01 Jul 2016 16:43

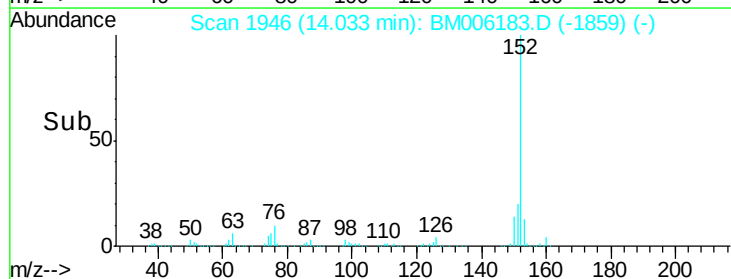
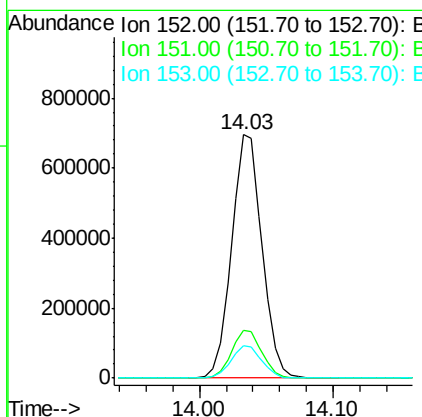
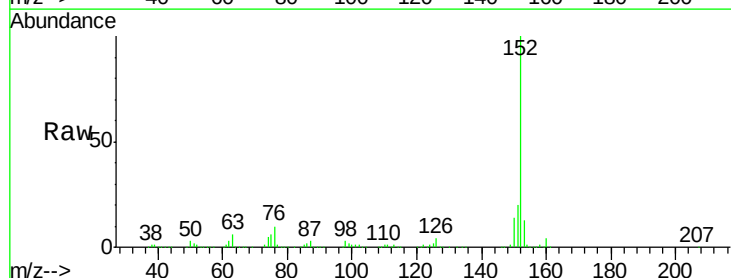
Instrument :
BNA_M
ClientSampleId :
SSTD02058

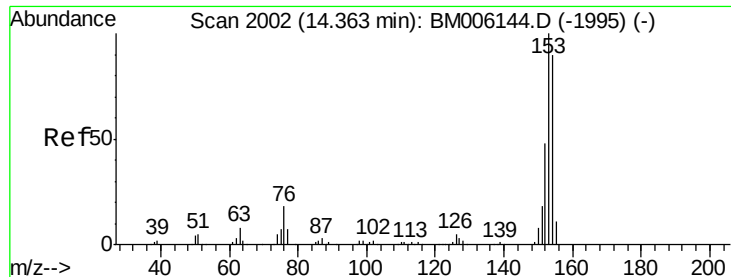
Tgt Ion:142 Resp: 631724
Ion Ratio Lower Upper
142 100
141 92.5 73.0 109.4
116 4.5 3.0 4.6



#18
Acenaphthylene
Concen: 20.52 ng/ul
RT: 14.03 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BM006183.D
Acq: 01 Jul 2016 16:43

Tgt Ion:152 Resp: 1098508
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.4 10.3 15.5





#19

Acenaphthene

Concen: 20.26 ng/ul

RT: 14.38 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

Instrument :

BNA_M

ClientSampleId :

SSTD02058

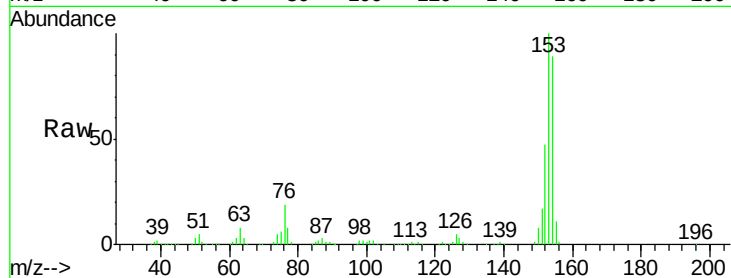
Tgt Ion:153 Resp: 692224

Ion Ratio Lower Upper

153 100

152 47.5 38.1 57.1

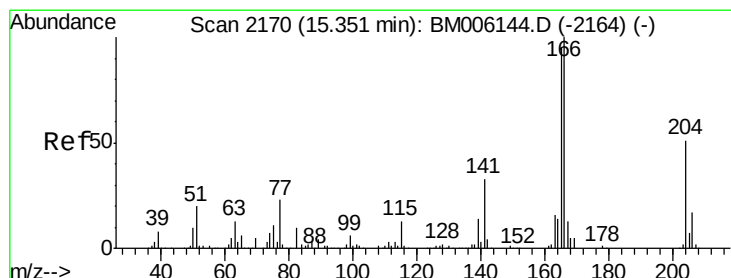
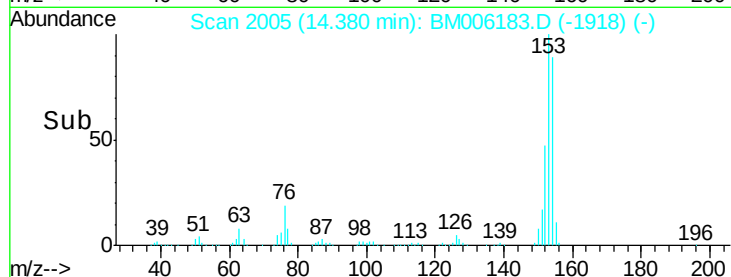
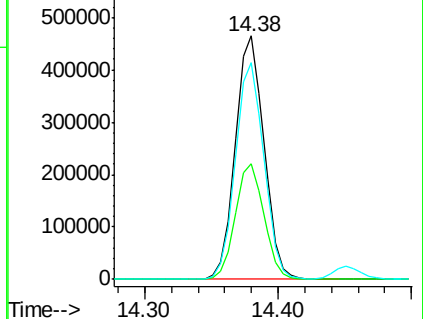
154 88.9 71.6 107.4



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



#22

Fluorene

Concen: 20.30 ng/ul

RT: 15.37 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

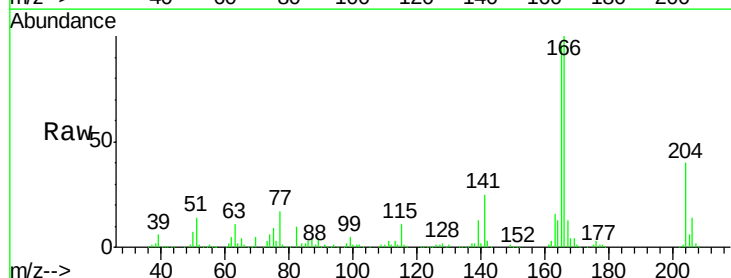
Tgt Ion:166 Resp: 789373

Ion Ratio Lower Upper

166 100

165 96.3 78.4 117.6

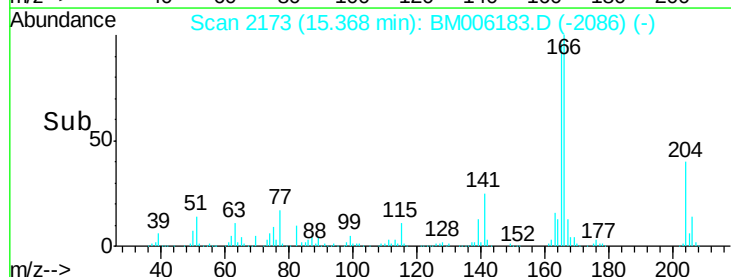
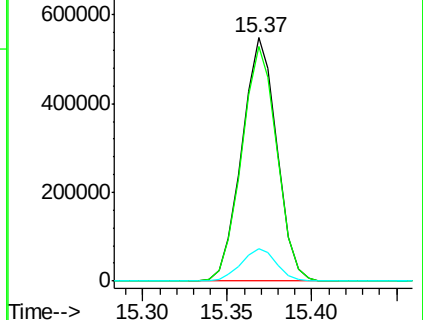
167 13.1 10.6 16.0

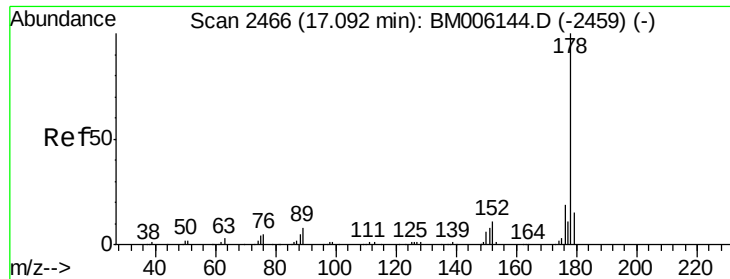


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.26 ng/uL

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

Instrument :

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ClientSampleId :

SSTD02058

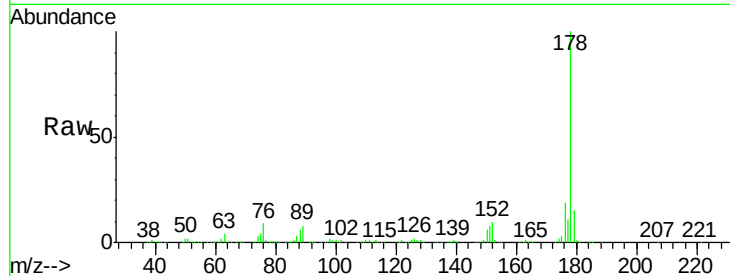
Tgt Ion:178 Resp: 1253475

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

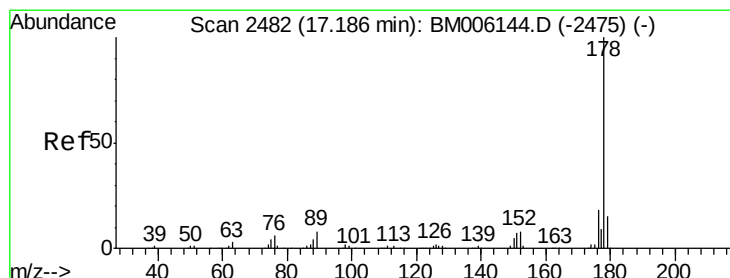
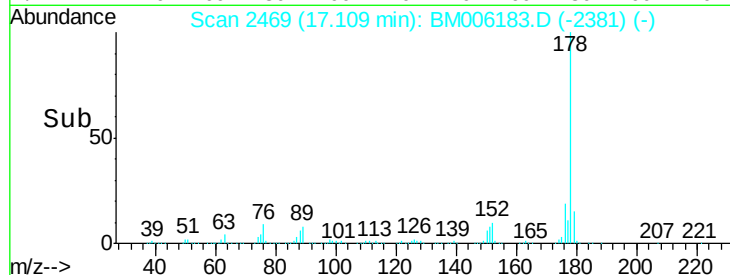
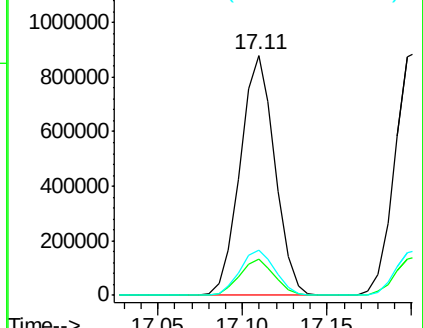
176 19.0 15.3 22.9



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



#27

Anthracene

Concen: 20.51 ng/uL

RT: 17.20 min Scan# 2485

Delta R.T. 0.02 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

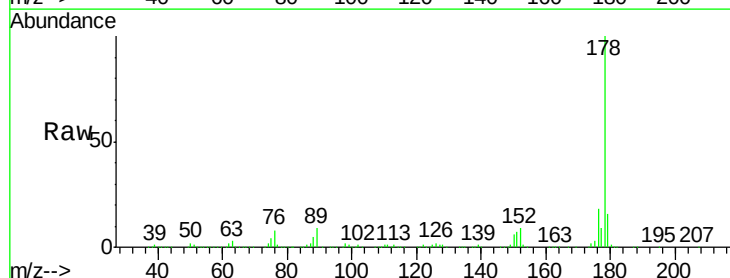
Tgt Ion:178 Resp: 1304487

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

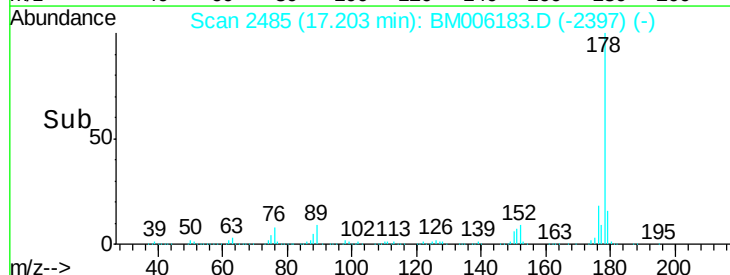
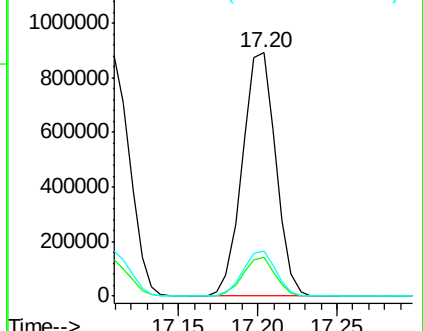
176 18.5 14.6 22.0

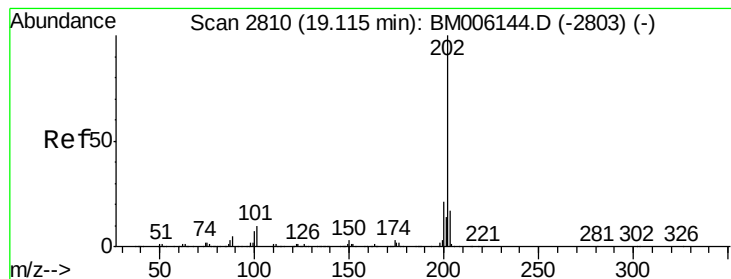


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 17.57 ng/ul

RT: 19.13 min Scan# 2813

Delta R.T. 0.02 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

Instrument :

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ClientSampleId :

SSTD02058

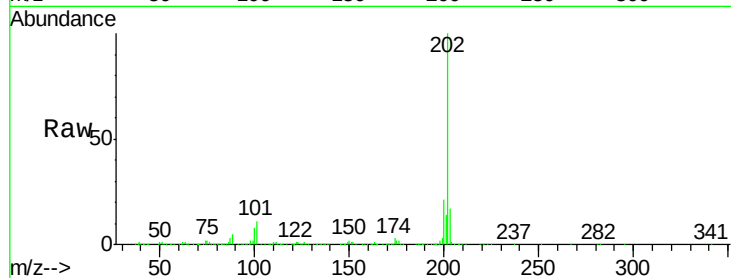
Tgt Ion:202 Resp: 1331461

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

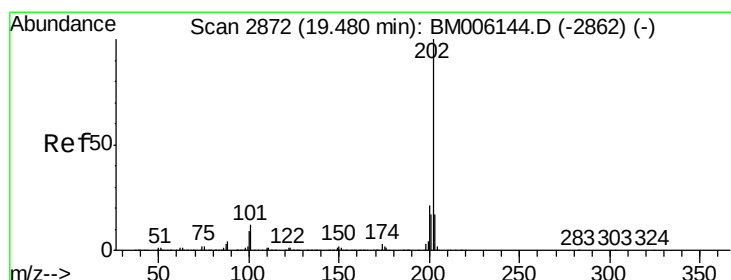
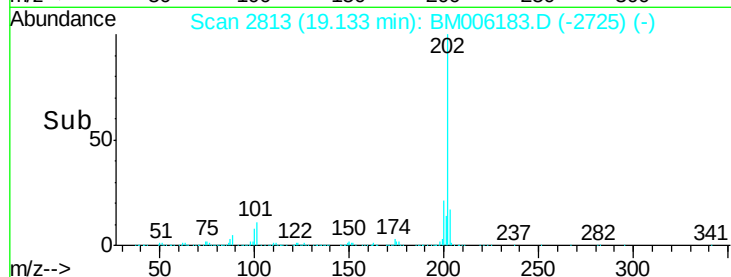
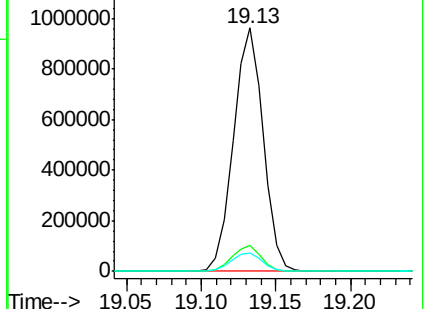
100 7.6 6.5 9.7



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



#31

Pyrene

Concen: 25.28 ng/ul

RT: 19.50 min Scan# 2875

Delta R.T. 0.02 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

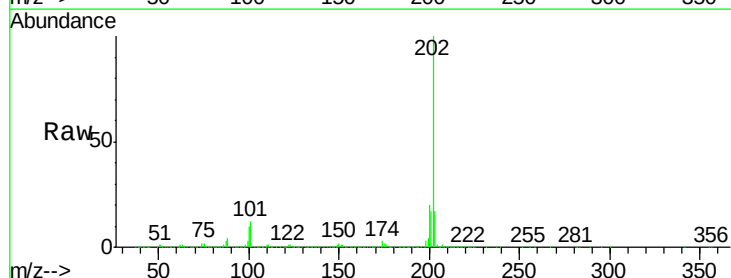
Tgt Ion:202 Resp: 1308314

Ion Ratio Lower Upper

202 100

101 12.1 11.0 16.4

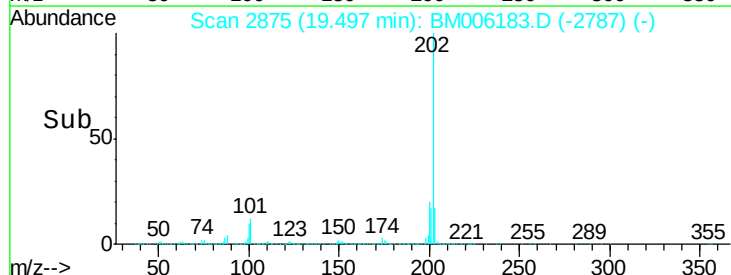
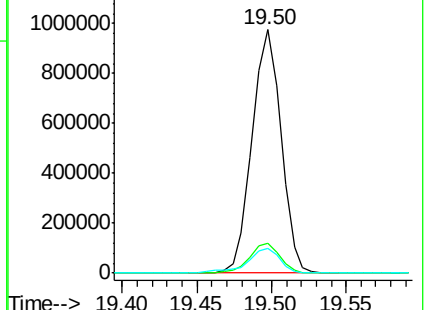
100 10.0 8.9 13.3

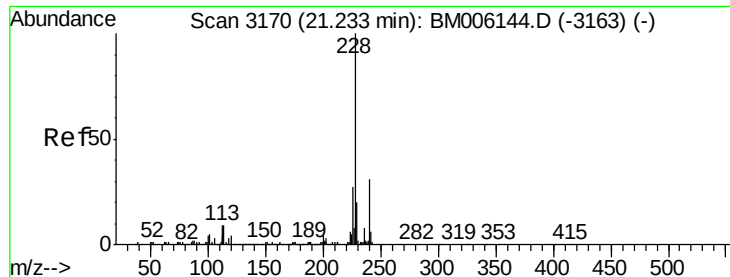


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.17 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.02 min

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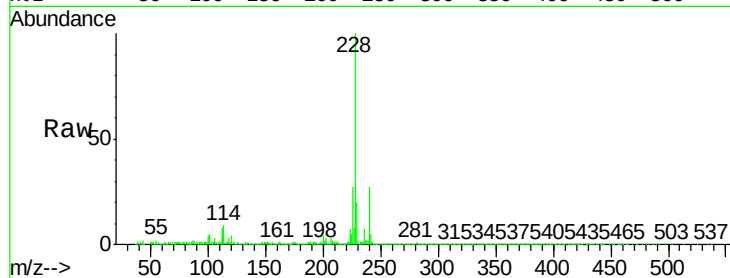
Tgt Ion:228 Resp: 1029011

Ion Ratio Lower Upper

228 100

229 19.6 15.6 23.4

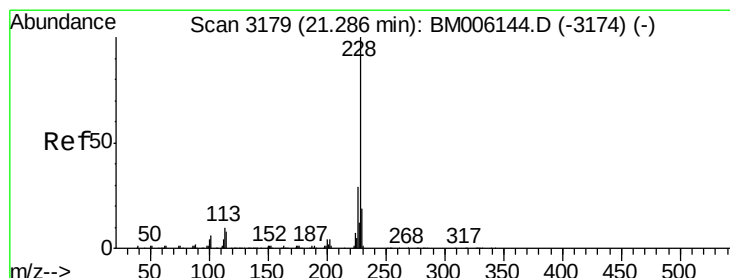
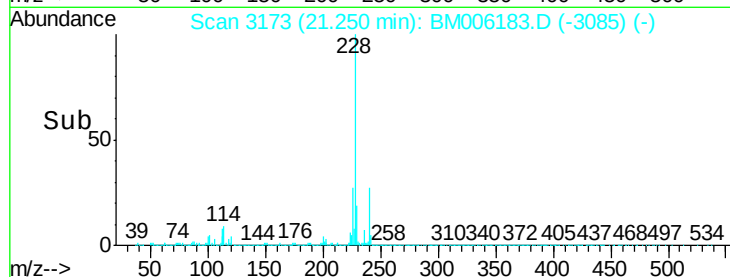
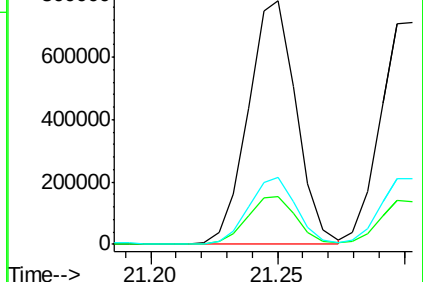
226 27.3 21.6 32.4



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



#33

Chrysene

Concen: 20.01 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

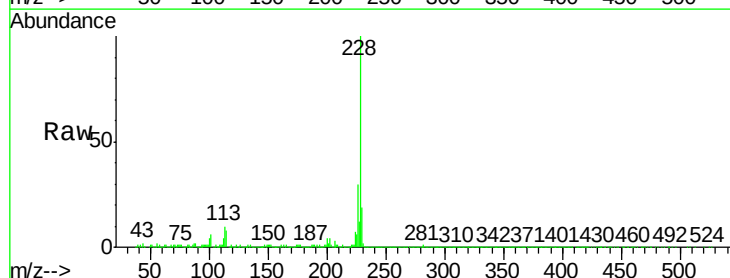
Tgt Ion:228 Resp: 939759

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

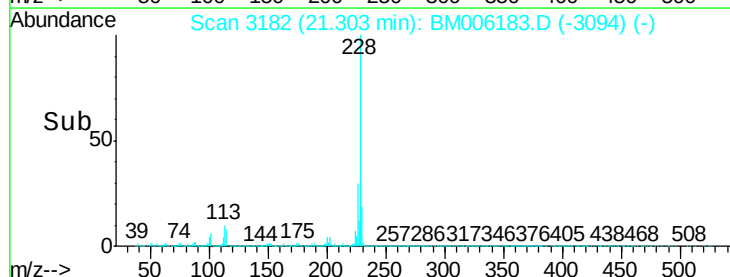
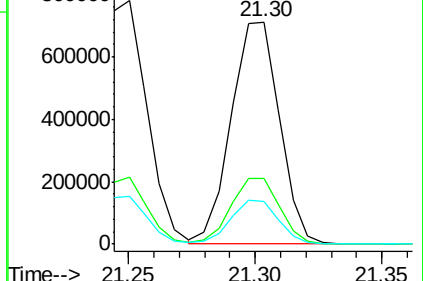
229 19.5 15.8 23.6

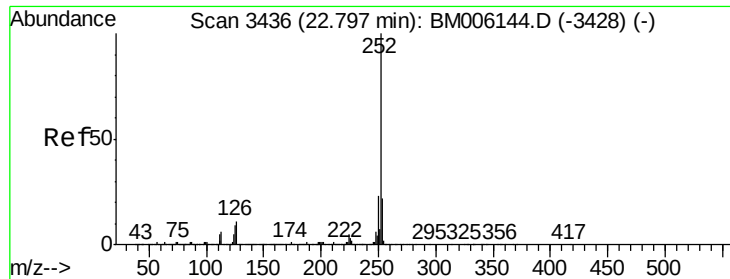


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 19.58 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. 0.02 min

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ClientSampleId :

SSTD02058

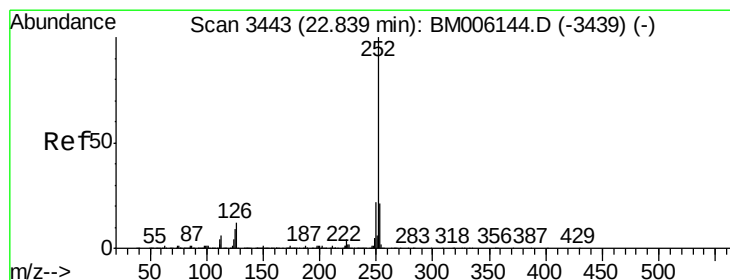
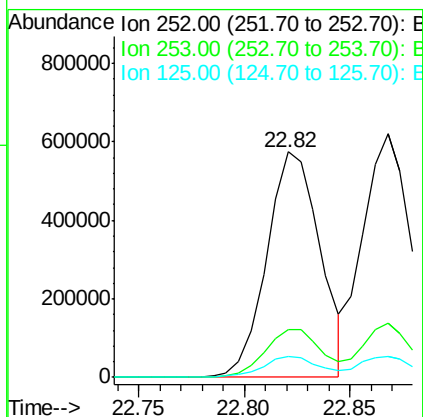
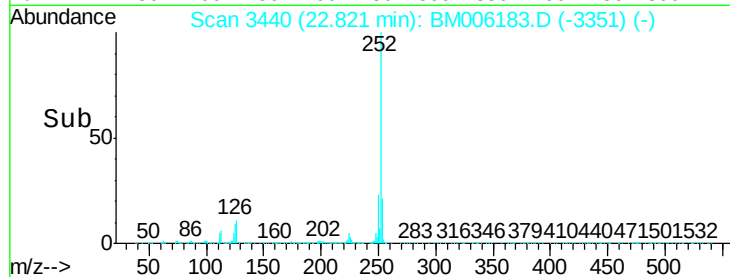
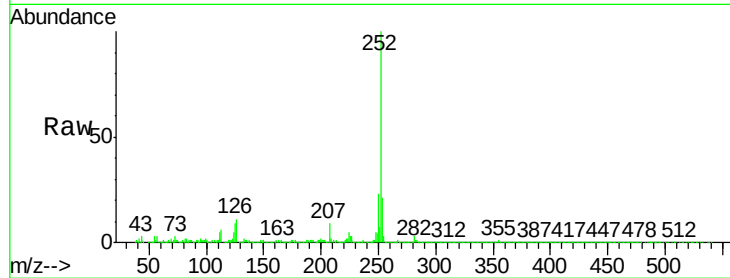
Tgt Ion:252 Resp: 1005735

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 9.1 7.8 11.6



#36

Benzo(k)fluoranthene

Concen: 20.35 ng/ul

RT: 22.87 min Scan# 3448

Delta R.T. 0.02 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

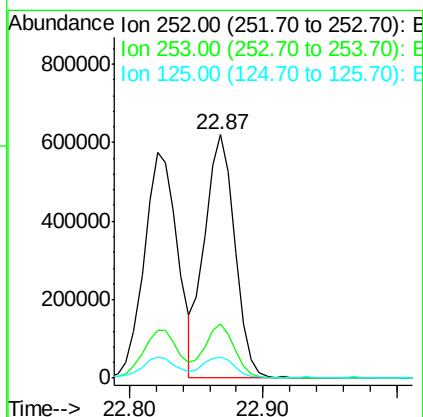
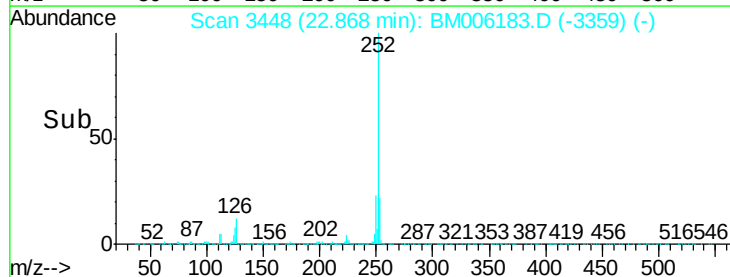
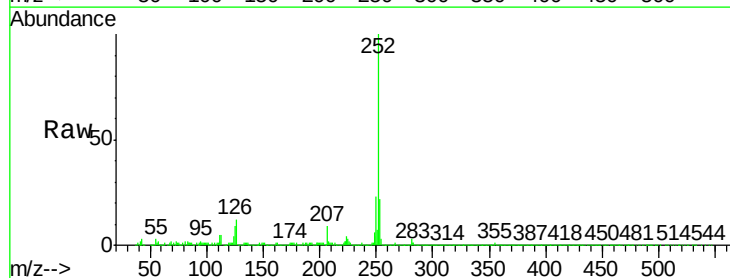
Tgt Ion:252 Resp: 980975

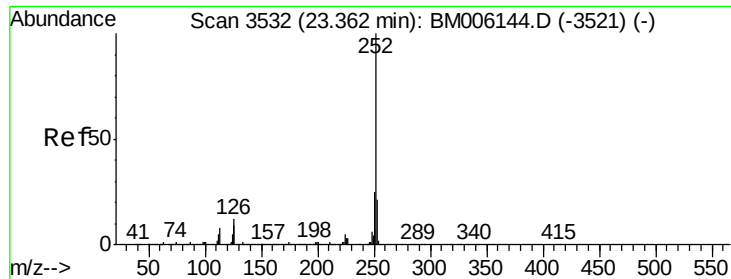
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 8.6 8.1 12.1





#38

Benzo(a)pyrene

Concen: 20.20 ng/ul

RT: 23.40 min Scan# 3538

Delta R.T. 0.03 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

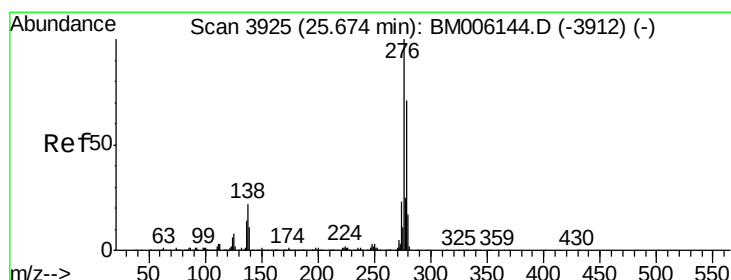
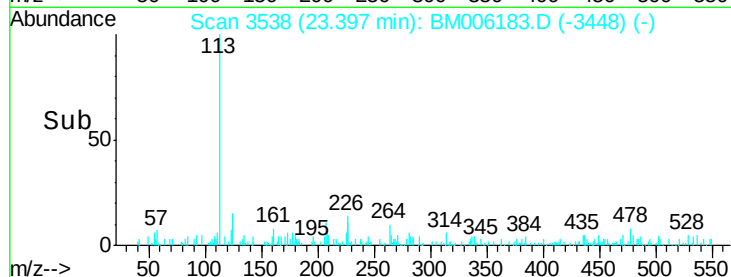
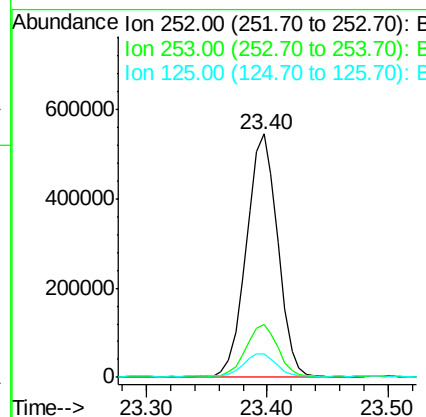
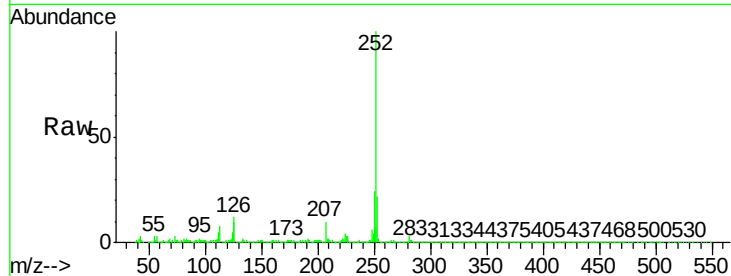
Instrument :

BNA_M

ClientSampleId :

SSTD02058

Tgt Ion:	252	Resp:	980561
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	9.7	8.7	13.1



#39

Indeno(1,2,3-cd)pyrene

Concen: 23.35 ng/ul

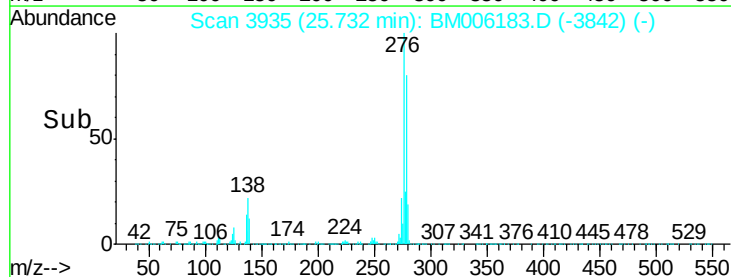
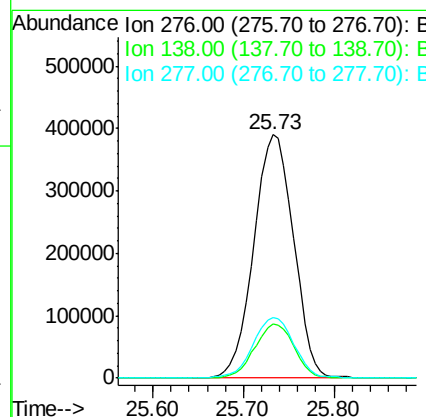
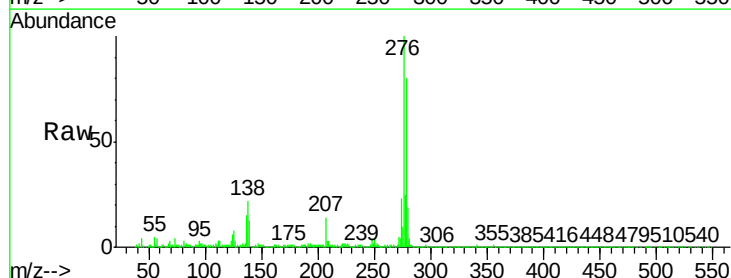
RT: 25.73 min Scan# 3935

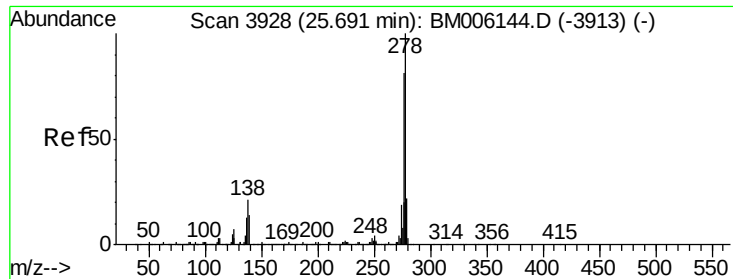
Delta R.T. 0.05 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

Tgt Ion:	276	Resp:	1177975
Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.4	30.6
277	25.1	20.6	30.8





#40

Dibenzo(a,h)anthracene

Concen: 23.53 ng/ul

RT: 25.74 min Scan# 3937

Delta R.T. 0.05 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

Instrument :

BNA_M

ClientSampleId :

SSTD02058

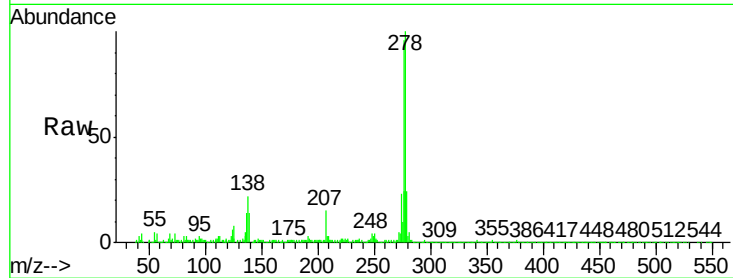
Tgt Ion:278 Resp: 982076

Ion Ratio Lower Upper

278 100

139 13.8 13.0 19.4

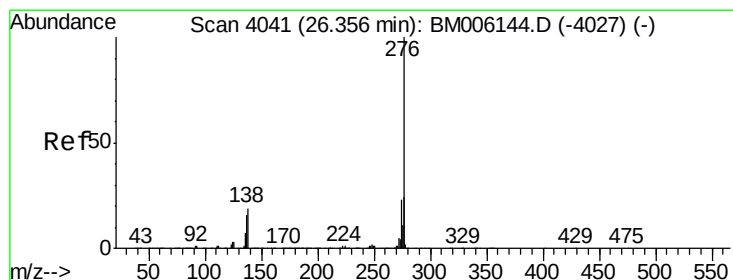
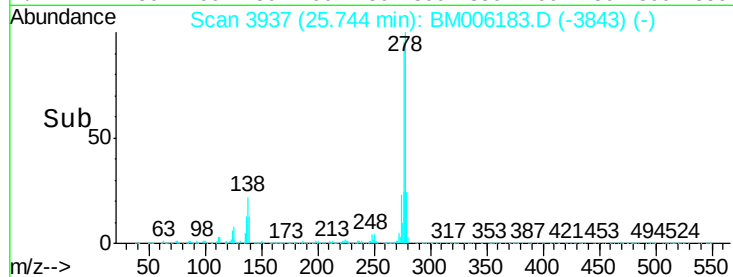
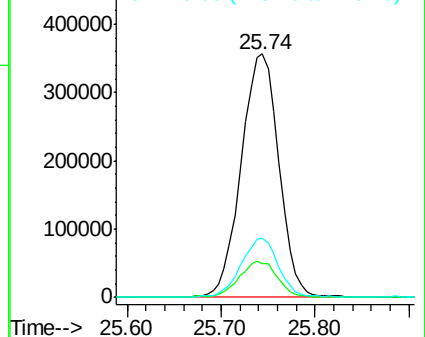
279 24.5 18.8 28.2



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



#41

Benzo(g,h,i)perylene

Concen: 24.07 ng/ul

RT: 26.42 min Scan# 4052

Delta R.T. 0.06 min

Lab File: BM006183.D

Acq: 01 Jul 2016 16:43

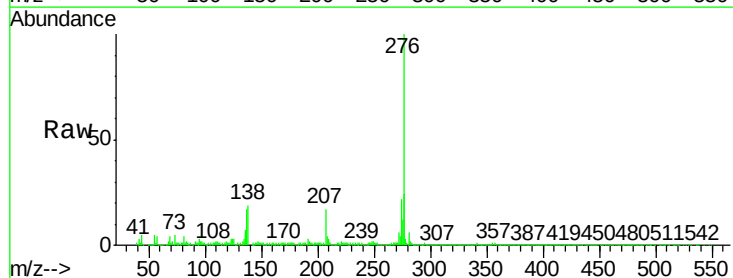
Tgt Ion:276 Resp: 1016328

Ion Ratio Lower Upper

276 100

138 19.0 16.6 25.0

277 24.5 18.9 28.3



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

