

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072216\
 Data File : BM006618.D
 Acq On : 22 Jul 2016 10:30
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02061

Quant Time: Jul 23 00:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	173411	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	727140	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	394346	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	891907	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	996750	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1058067	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	32833	7.66	ng/uL	0.00
3) Phenol-d5	6.80	99	307789	20.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	188779	20.66	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	242539	20.57	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	238240	20.82	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	115261	20.94	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	123423	21.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	227870	20.60	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	304190	24.97	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	623886	20.18	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	824059	20.88	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	110367	20.55	ng/ul	0.01
21) Fluorene-d10	15.26	176	559145	20.22	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	79310	17.13	ng/ul	0.01
26) Anthracene-d10	17.12	188	871091	20.57	ng/ul	0.00
30) Pyrene-d10	19.42	212	964637	21.24	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1004812	20.65	ng/ul	0.01

Target Compounds

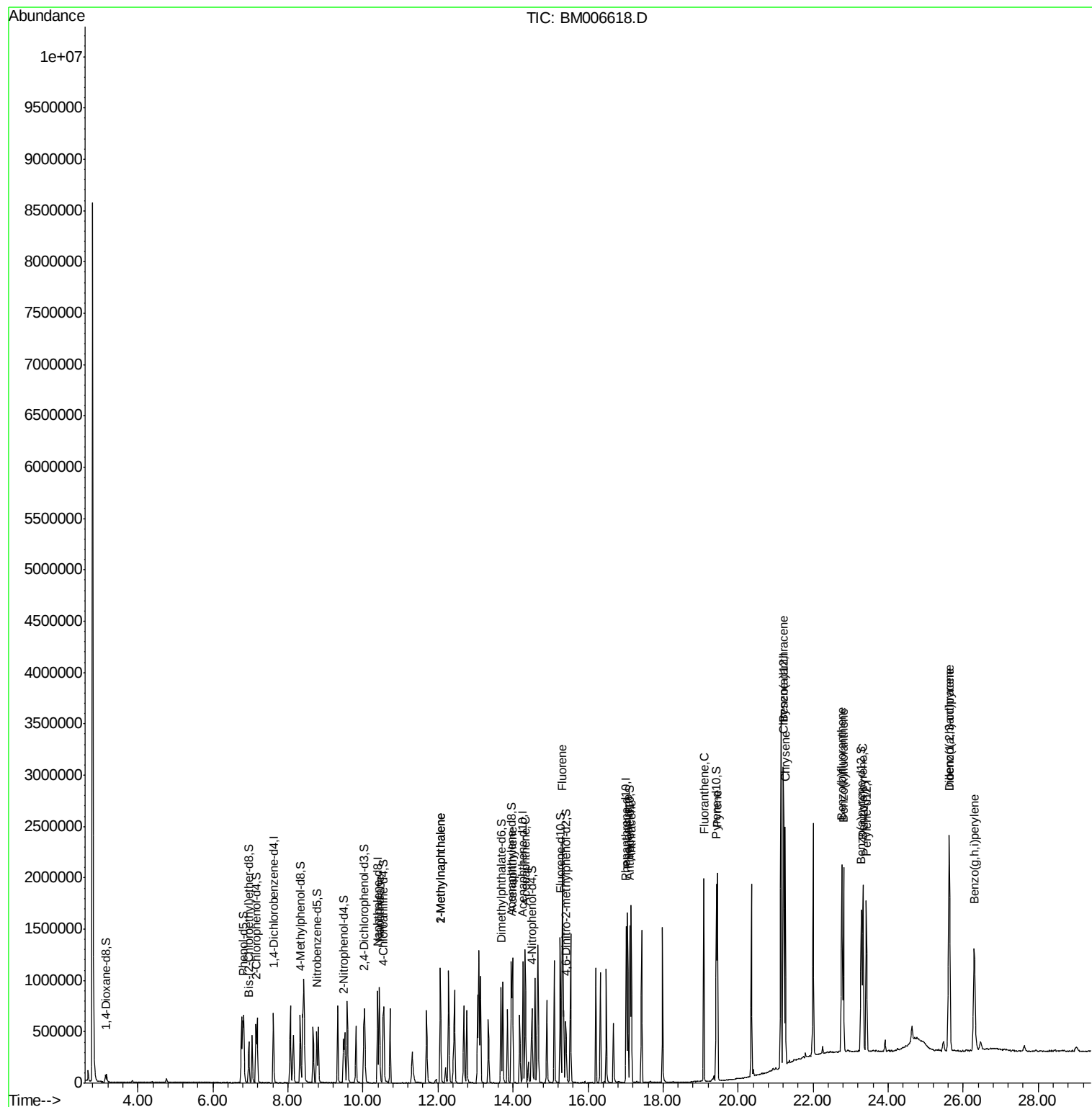
						Qvalue
11) Naphthalene	10.44	128	748933	19.98	ng/ul	99
13) 2-Methylnaphthalene	12.06	142	541172	19.67	ng/ul	100
14) 1-Methylnaphthalene	12.06	142	541172	20.62	ng/ul	93
18) Acenaphthylene	13.99	152	868201	20.54	ng/ul	97
19) Acenaphthene	14.33	153	550506	20.27	ng/ul	96
22) Fluorene	15.32	166	626967	20.48	ng/ul	96
25) Phenanthrene	17.06	178	1010111	20.14	ng/ul	98
27) Anthracene	17.15	178	1050841	20.35	ng/ul	98
28) Fluoranthene	19.09	202	1218655	20.68	ng/ul	97
31) Pyrene	19.45	202	1273608	21.10	ng/ul	98
32) Benzo(a)anthracene	21.20	228	1237084	20.48	ng/ul	98
33) Chrysene	21.26	228	1128516	20.26	ng/ul	98
35) Benzo(b)fluoranthene	22.76	252	1301321	20.52	ng/ul	98
36) Benzo(k)fluoranthene	22.81	252	1213901	19.79	ng/ul	99
38) Benzo(a)pyrene	23.33	252	1249524	20.24	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.63	276	1453635	20.33	ng/ul	95
40) Dibenzo(a,h)anthracene	25.63	278	1213321	20.48	ng/ul	98
41) Benzo(g,h,i)perylene	26.30	276	1252987	20.45	ng/ul	96

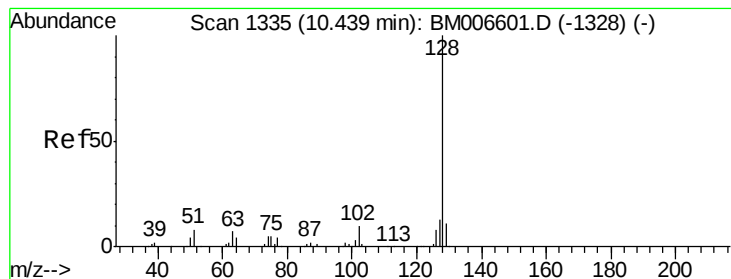
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM072216\
Data File : BM006618.D
Acq On : 22 Jul 2016 10:30
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02061

Quant Time: Jul 23 00:14:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
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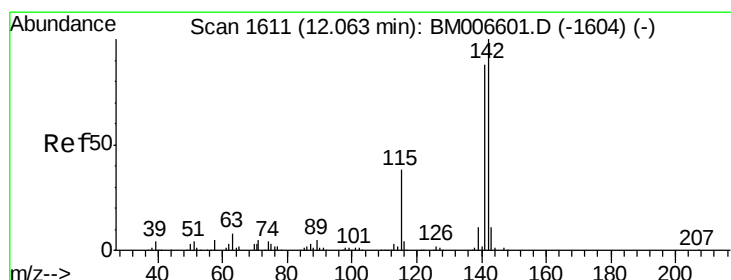
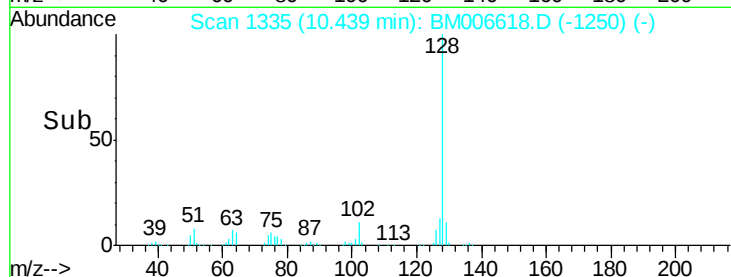
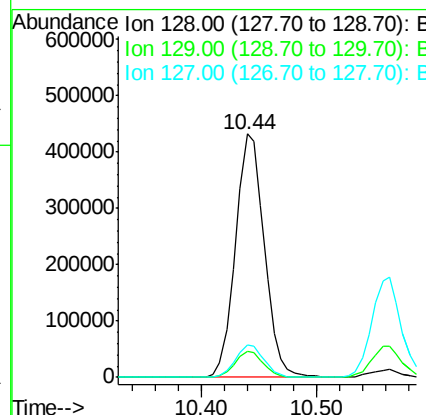
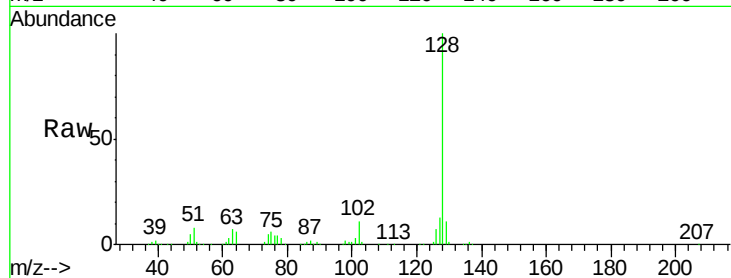




#11
Naphthalene
Concen: 19.98 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM006618.D
Acq: 22 Jul 2016 10:30

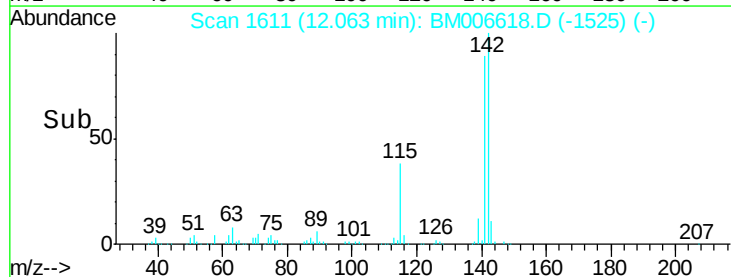
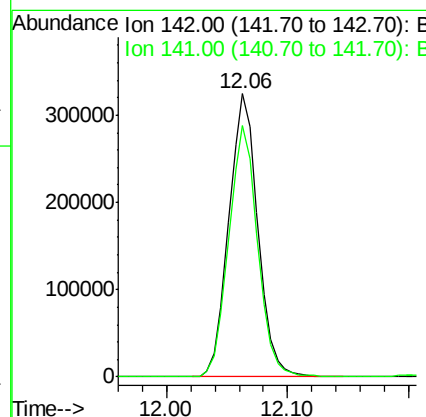
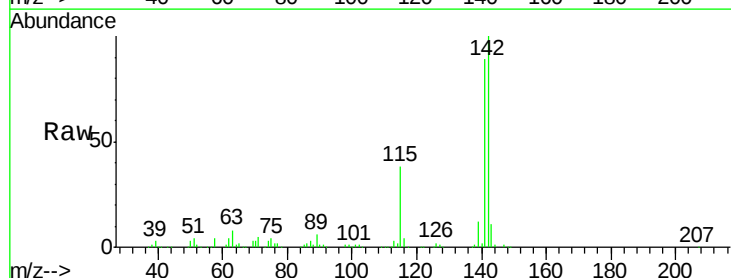
Instrument :
BNA_M
ClientSampleId :
SSTD02061

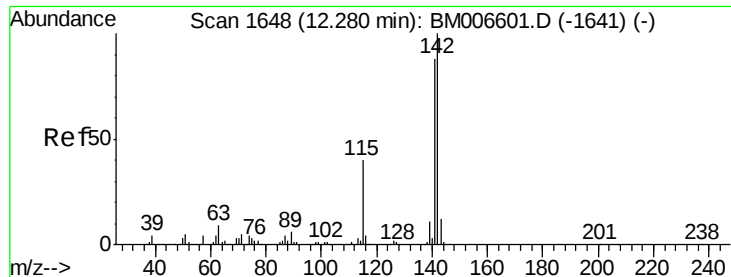
Tgt Ion:128 Resp: 748933
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 13.5 10.8 16.2



#13
2-Methylnaphthalene
Concen: 19.67 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM006618.D
Acq: 22 Jul 2016 10:30

Tgt Ion:142 Resp: 541172
Ion Ratio Lower Upper
142 100
141 88.9 71.3 106.9

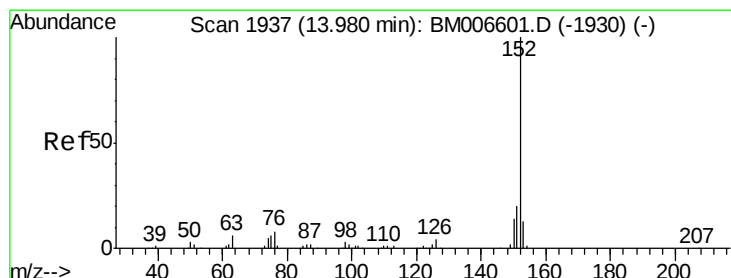
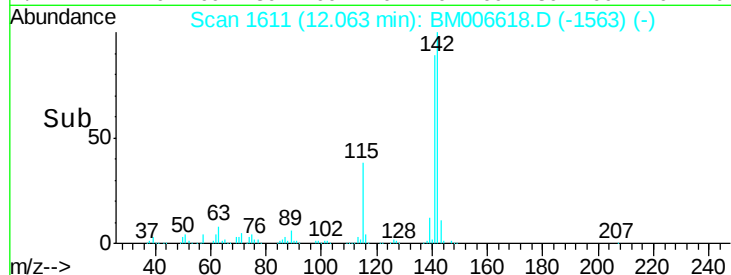
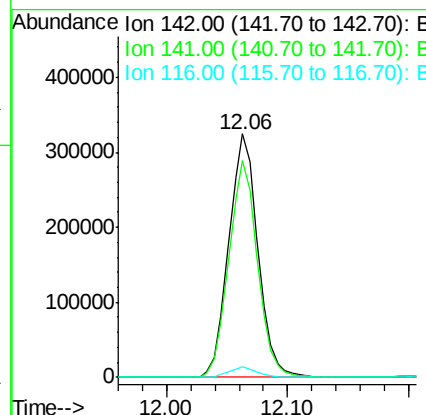
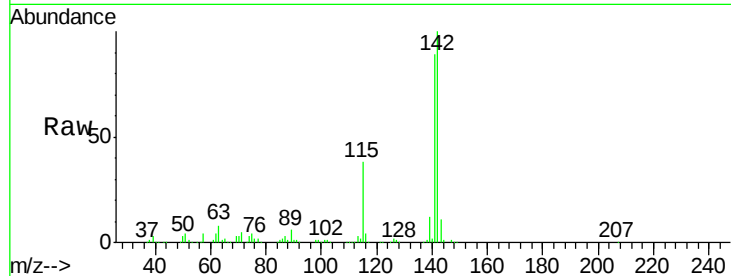




#14
1-Methylnaphthalene
Concen: 20.62 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. -0.22 min
Lab File: BM006618.D
Acq: 22 Jul 2016 10:30

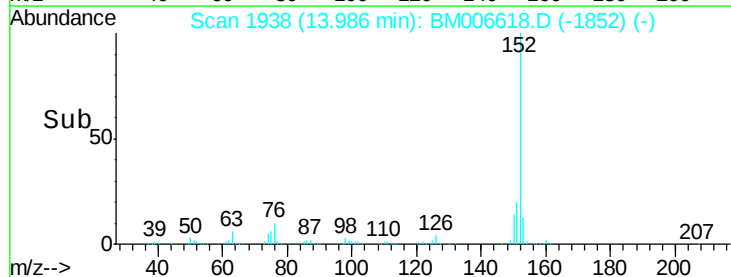
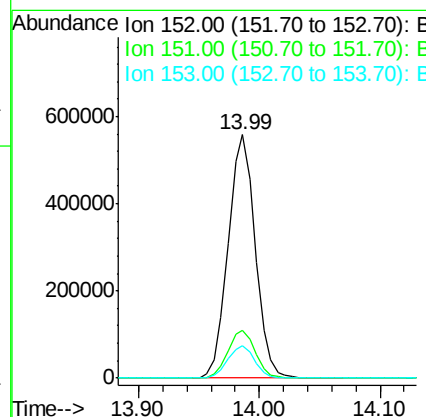
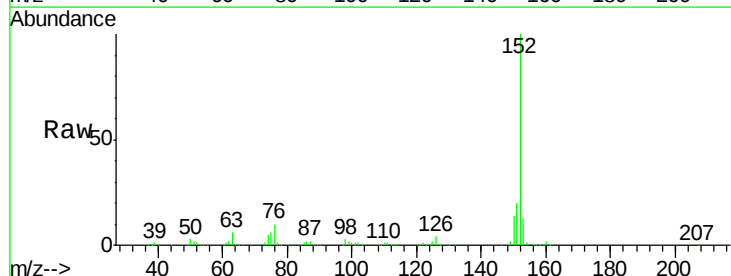
Instrument :
BNA_M
ClientSampleId :
SSTD02061

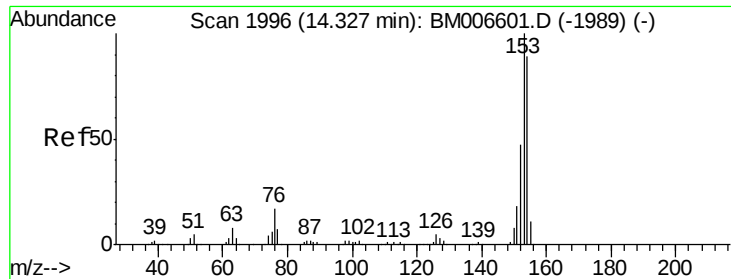
Tgt Ion:142 Resp: 541172
Ion Ratio Lower Upper
142 100
141 88.9 77.0 115.4
116 4.3 4.2 6.4



#18
Acenaphthylene
Concen: 20.54 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BM006618.D
Acq: 22 Jul 2016 10:30

Tgt Ion:152 Resp: 868201
Ion Ratio Lower Upper
152 100
151 19.9 17.3 25.9
153 13.1 11.1 16.7





#19

Acenaphthene

Concen: 20.27 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

Instrument :

BNA_M

ClientSampleId :

SSTD02061

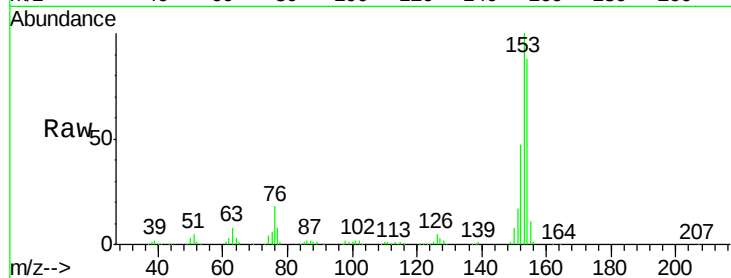
Tgt Ion:153 Resp: 550506

Ion Ratio Lower Upper

153 100

152 47.2 36.5 54.7

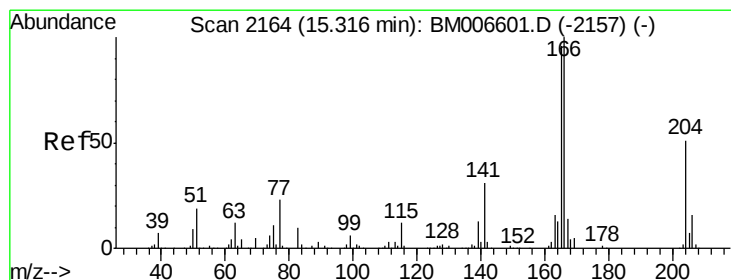
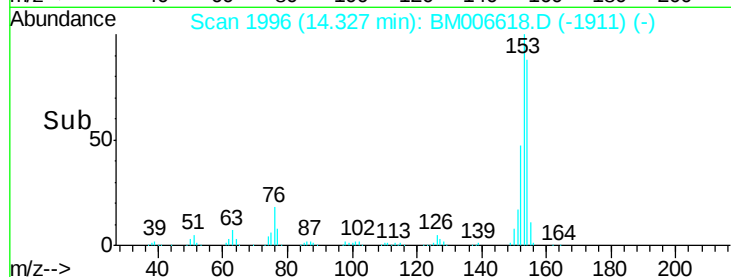
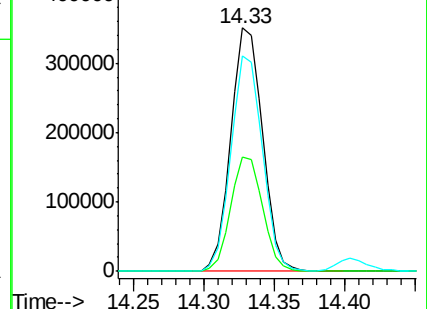
154 88.3 67.3 100.9



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



#22

Fluorene

Concen: 20.48 ng/ul

RT: 15.32 min Scan# 2165

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

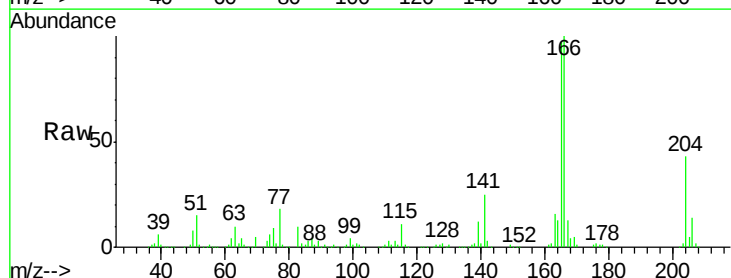
Tgt Ion:166 Resp: 626967

Ion Ratio Lower Upper

166 100

165 97.4 81.1 121.7

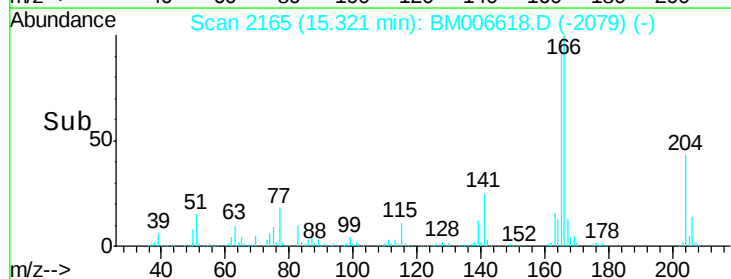
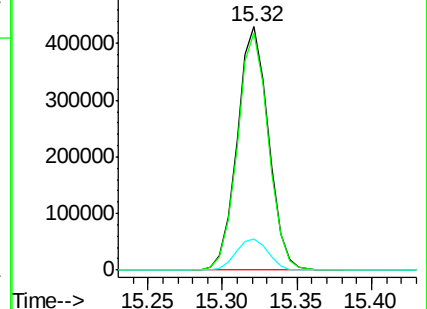
167 13.0 10.6 16.0

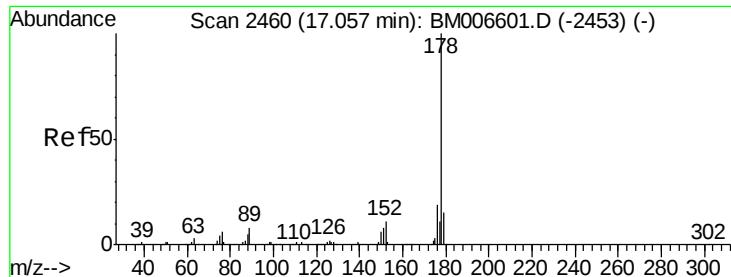


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.14 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

Instrument :

BNA_M

ClientSampleId :

SSTD02061

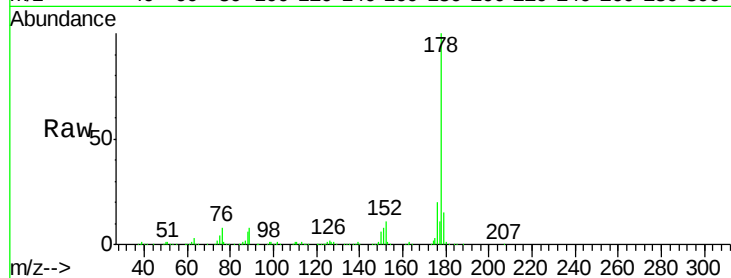
Tgt Ion:178 Resp: 1010111

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

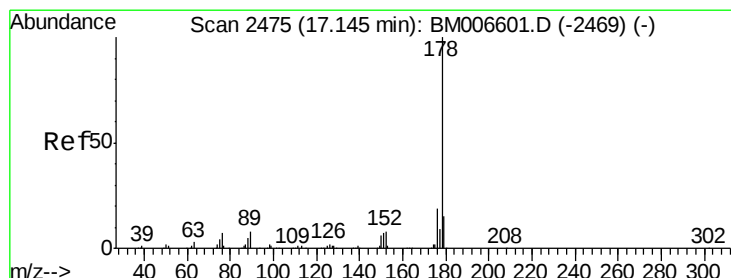
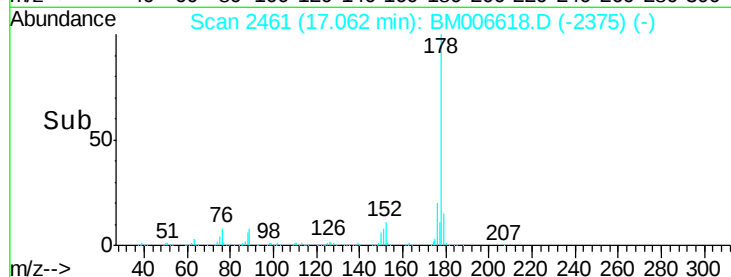
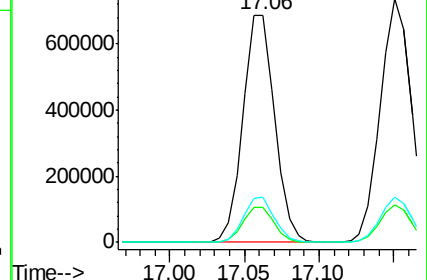
176 19.7 14.8 22.2



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: 20.35 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

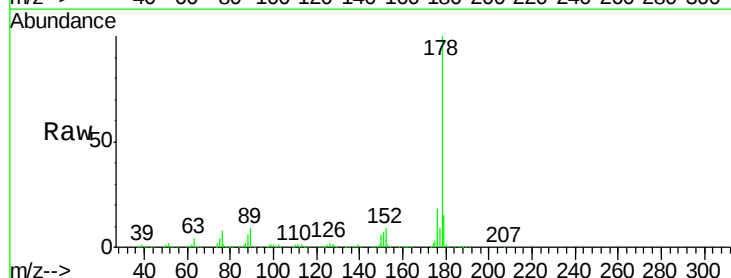
Tgt Ion:178 Resp: 1050841

Ion Ratio Lower Upper

178 100

179 15.4 12.9 19.3

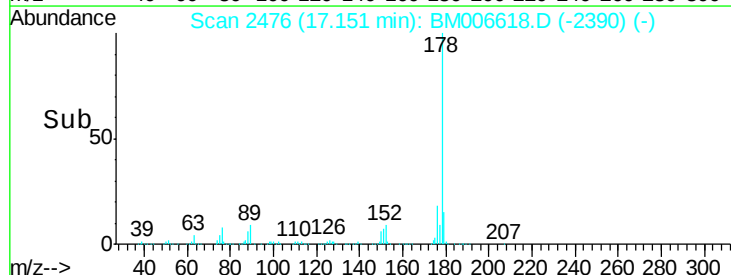
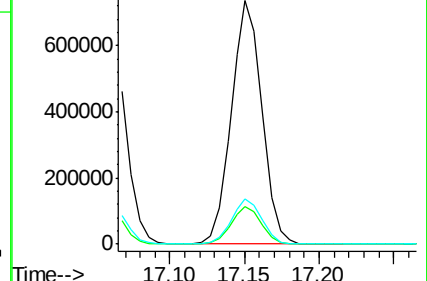
176 18.5 15.6 23.4

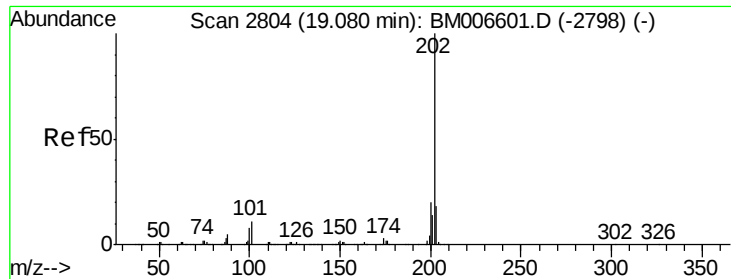


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.68 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

Instrument :

BNA_M

ClientSampleId :

SSTD02061

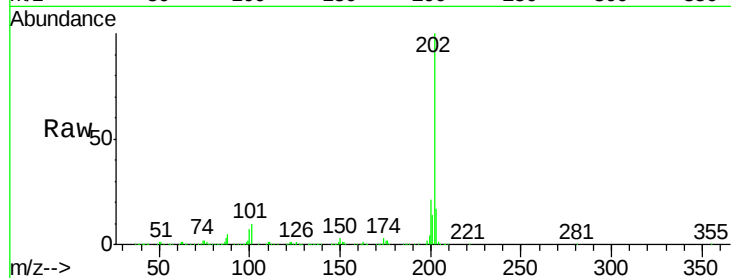
Tgt Ion:202 Resp: 1218655

Ion Ratio Lower Upper

202 100

101 10.5 8.9 13.3

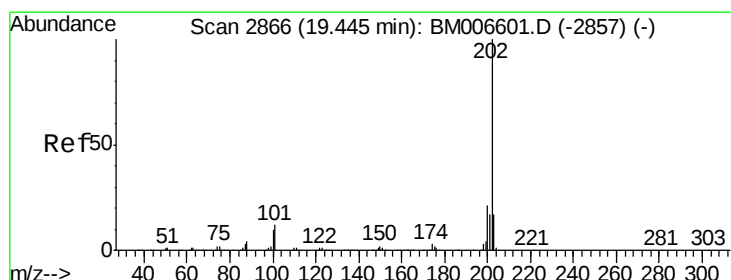
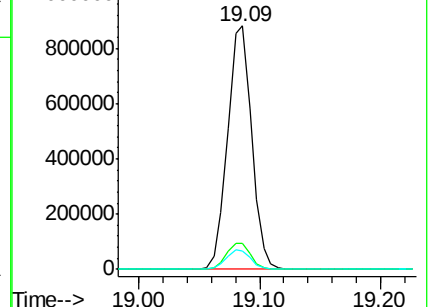
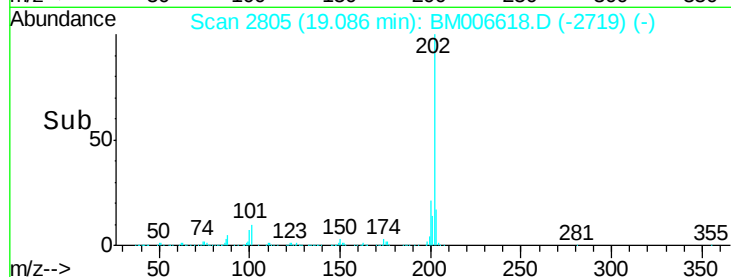
100 7.3 7.0 10.4



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



#31

Pyrene

Concen: 21.10 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

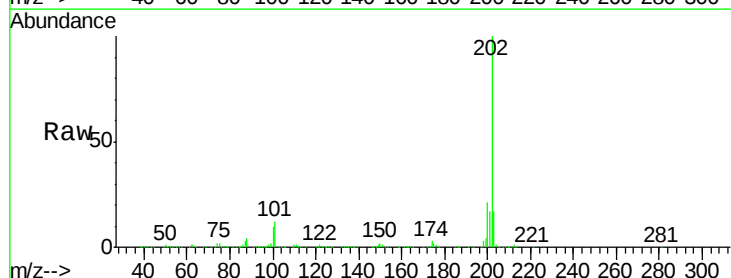
Tgt Ion:202 Resp: 1273608

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

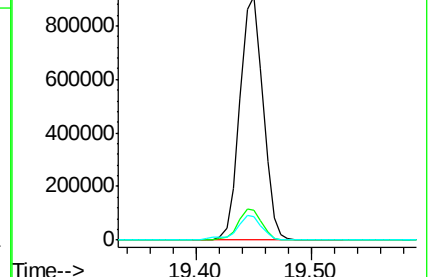
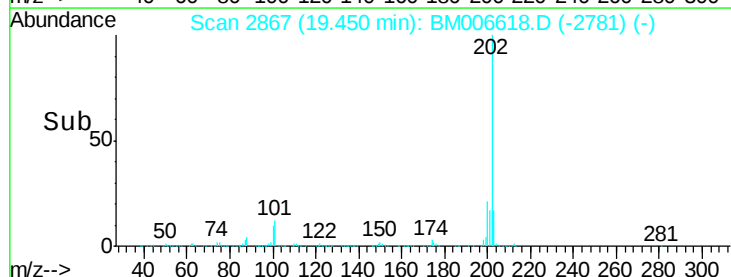
100 9.7 9.3 13.9

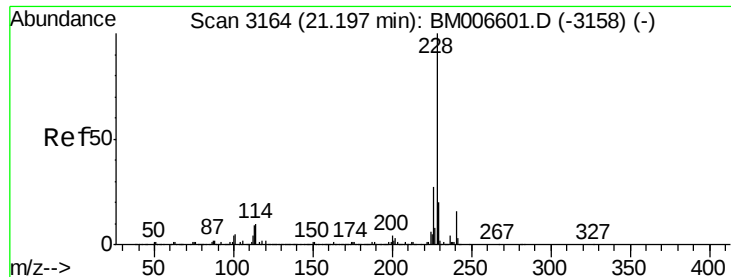


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.48 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

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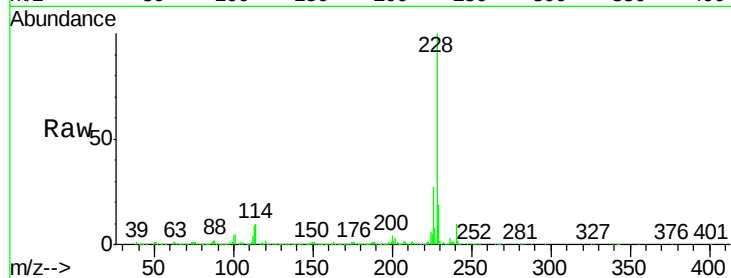
Tgt Ion:228 Resp: 1237084

Ion Ratio Lower Upper

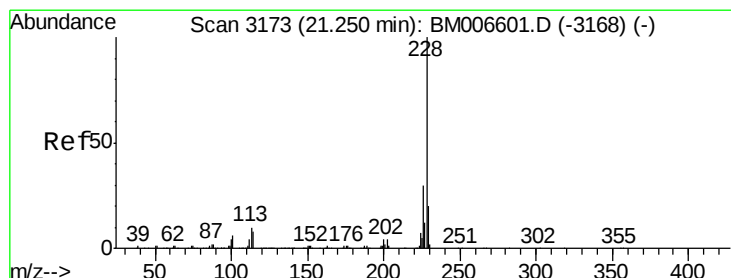
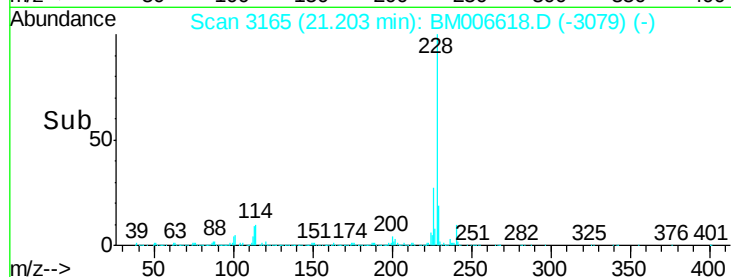
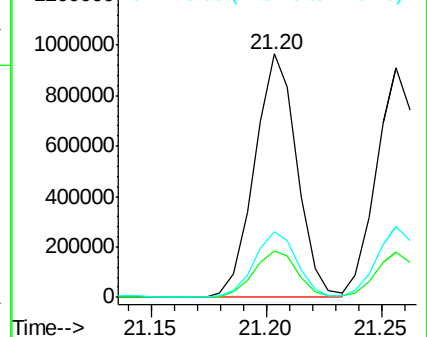
228 100

229 19.3 16.6 25.0

226 27.0 21.0 31.4



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: 20.26 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

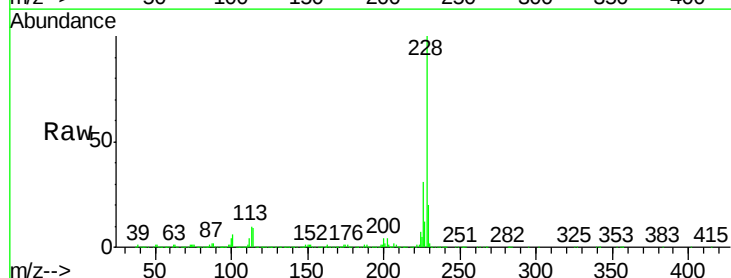
Tgt Ion:228 Resp: 1128516

Ion Ratio Lower Upper

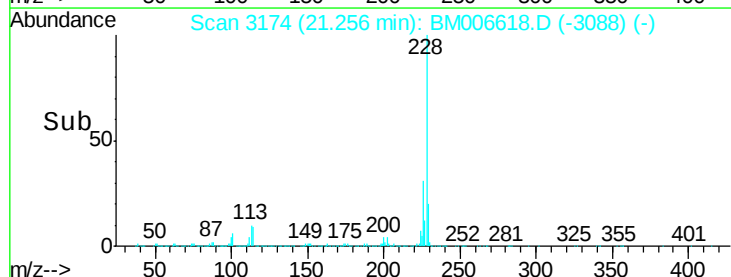
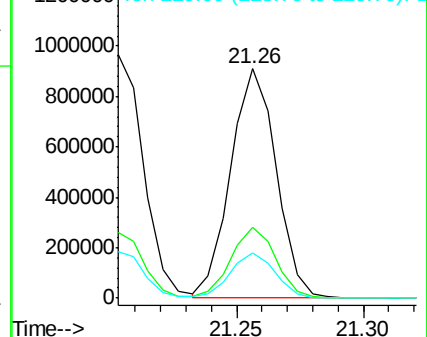
228 100

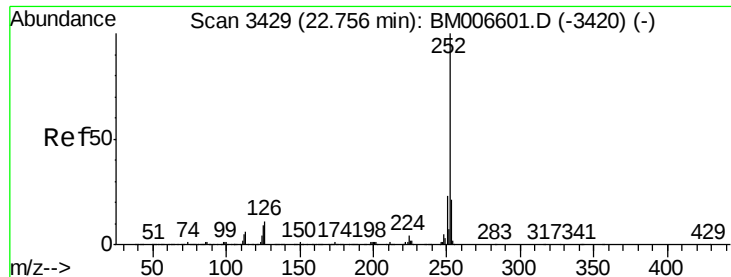
226 30.8 23.4 35.2

229 19.8 16.2 24.2



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

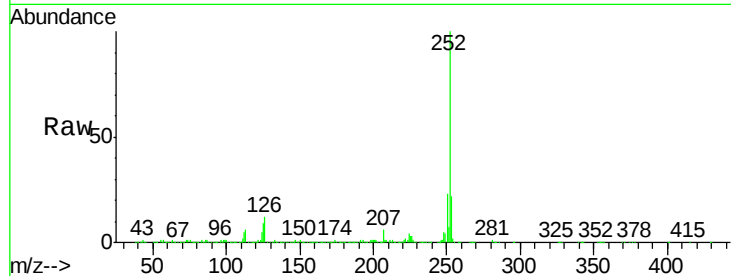




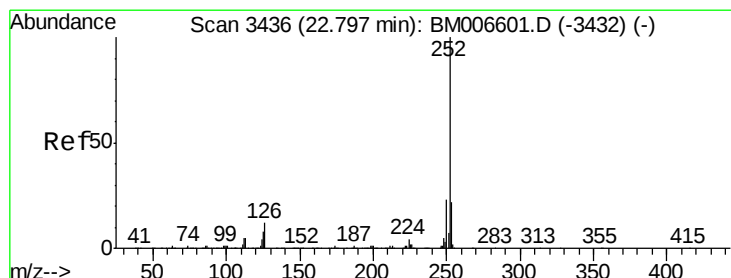
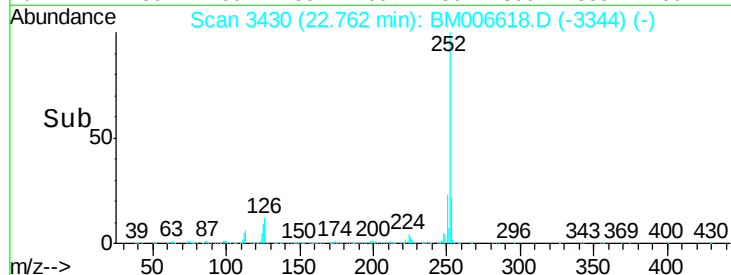
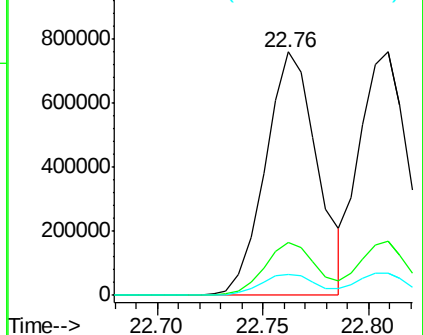
#35
Benzo(b)fluoranthene
Concen: 20.52 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006618.D
Acq: 22 Jul 2016 10:30

Instrument :
BNA_M
ClientSampleId :
SSTD02061

Tgt Ion:252 Resp: 1301321
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 8.8 7.6 11.4

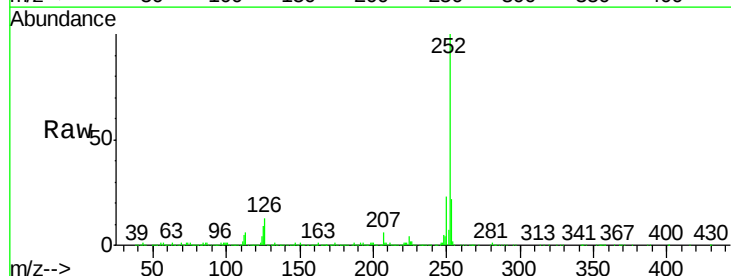


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

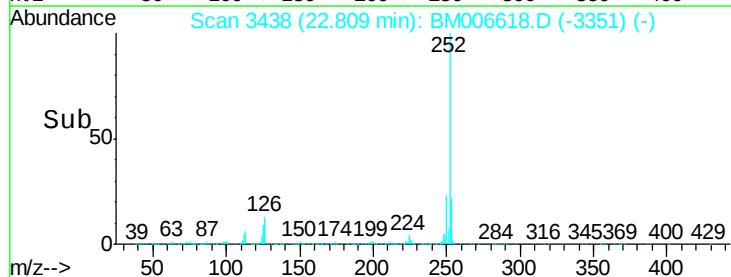
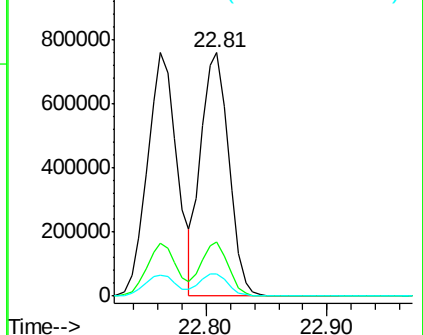


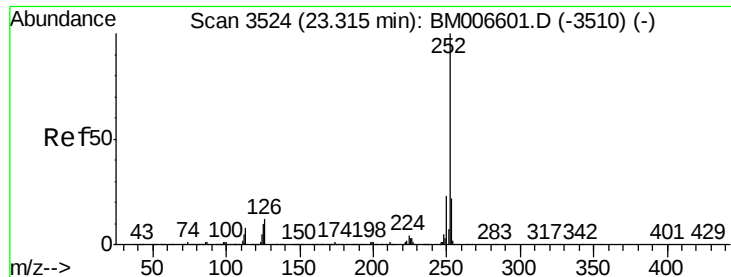
#36
Benzo(k)fluoranthene
Concen: 19.79 ng/ul
RT: 22.81 min Scan# 3438
Delta R.T. 0.01 min
Lab File: BM006618.D
Acq: 22 Jul 2016 10:30

Tgt Ion:252 Resp: 1213901
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.1 7.7 11.5



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





#38

Benzo(a)pyrene

Concen: 20.24 ng/ul

RT: 23.33 min Scan# 3526

Delta R.T. 0.01 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

Instrument :

BNA_M

ClientSampleId :

SSTD02061

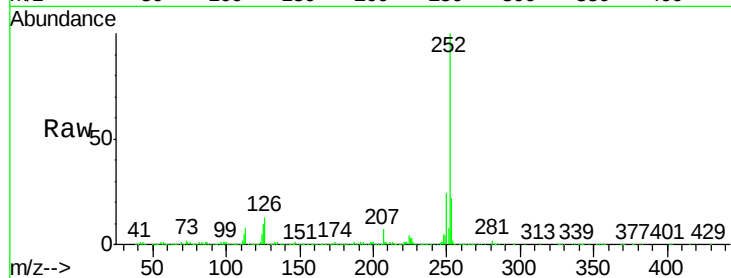
Tgt Ion:252 Resp: 1249524

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

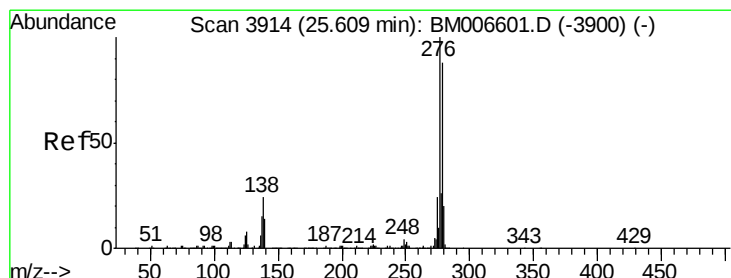
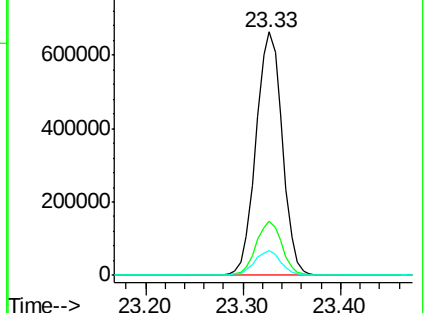
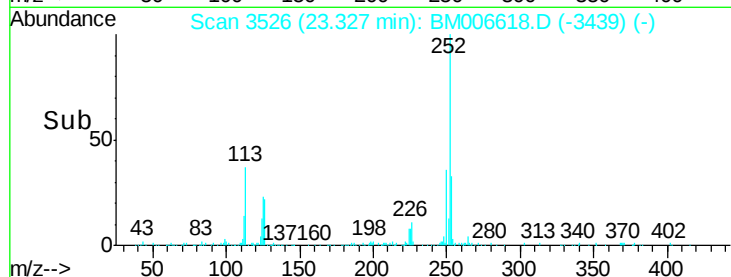
125 10.1 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 20.33 ng/ul

RT: 25.63 min Scan# 3917

Delta R.T. 0.02 min

Lab File: BM006618.D

Acq: 22 Jul 2016 10:30

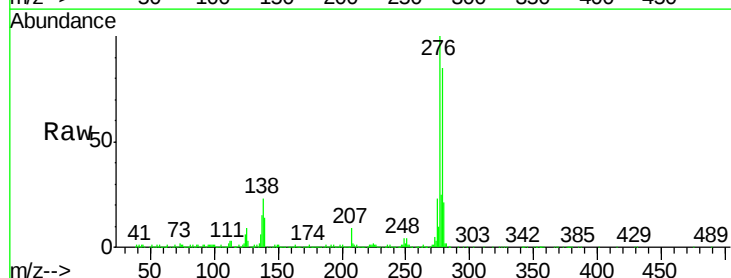
Tgt Ion:276 Resp: 1453635

Ion Ratio Lower Upper

276 100

138 23.4 15.8 23.6

277 25.0 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

