

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006031.D
 Acq On : 26 Jun 2016 09:36
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02034

Quant Time: Jun 27 04:52:54 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 26 04:58:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	164356	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	845220	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	585276	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1564383	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	2010722	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2307488	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	30941	8.41	ng/uL	0.00
3) Phenol-d5	6.83	99	329194	19.04	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	191701	19.93	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	238444	19.80	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	277201	18.99	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	127987	19.89	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	136692	19.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	275510	20.06	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	353464	23.72	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	988824	19.74	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1185992	20.41	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	218338	20.43	ng/ul	0.00
21) Fluorene-d10	15.30	176	871855	20.38	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	159558	18.37	ng/ul	0.00
26) Anthracene-d10	17.15	188	1460791	20.33	ng/ul	0.00
30) Pyrene-d10	19.45	212	1808402	20.53	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	2134447	20.49	ng/ul	0.00

Target Compounds

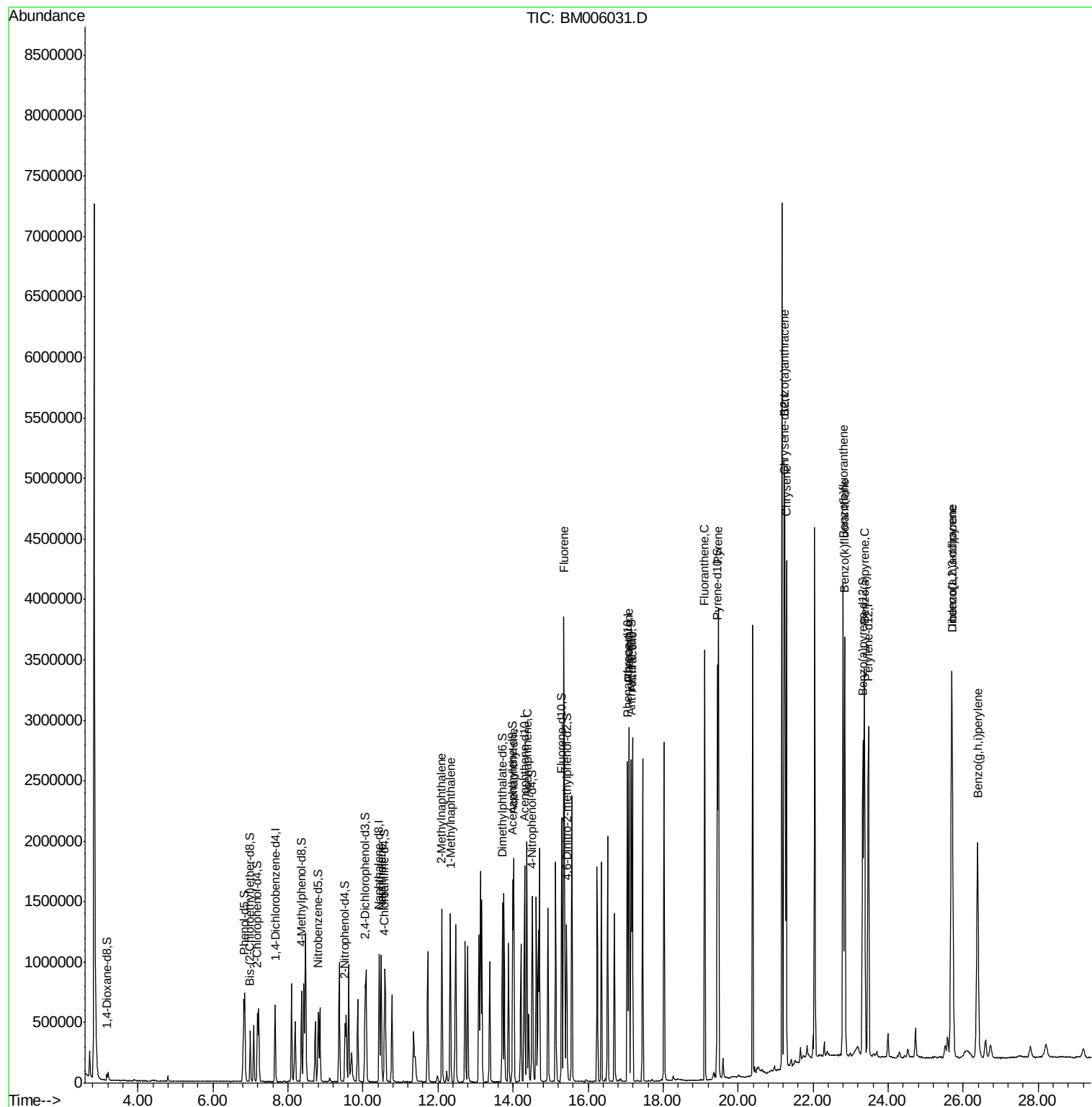
						Qvalue
11) Naphthalene	10.49	128	858629	20.33	ng/ul	100
13) 2-Methylnaphthalene	12.10	142	684480	20.14	ng/ul	100
14) 1-Methylnaphthalene	12.33	142	651006	20.01	ng/ul	99
18) Acenaphthylene	14.02	152	1256801	20.51	ng/ul	100
19) Acenaphthene	14.37	153	800986	20.58	ng/ul	98
22) Fluorene	15.36	166	967321	20.63	ng/ul	99
25) Phenanthrene	17.09	178	1735298	20.62	ng/ul	99
27) Anthracene	17.19	178	1798788	20.71	ng/ul	99
28) Fluoranthene	19.11	202	2258186	20.95	ng/ul	98
31) Pyrene	19.48	202	2359967	20.50	ng/ul	99
32) Benzo(a)anthracene	21.23	228	2433117	20.37	ng/ul	100
33) Chrysene	21.29	228	2270758	20.81	ng/ul	99
35) Benzo(b)fluoranthene	22.80	252	2751996	20.53	ng/ul	99
36) Benzo(k)fluoranthene	22.84	252	2554060	20.48	ng/ul	99
38) Benzo(a)pyrene	23.37	252	2625698	20.43	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.69	276	3002481	19.59	ng/ul	99
40) Dibenzo(a,h)anthracene	25.71	278	2507161	19.68	ng/ul	99
41) Benzo(g,h,i)perylene	26.39	276	2528990	19.08	ng/ul	99

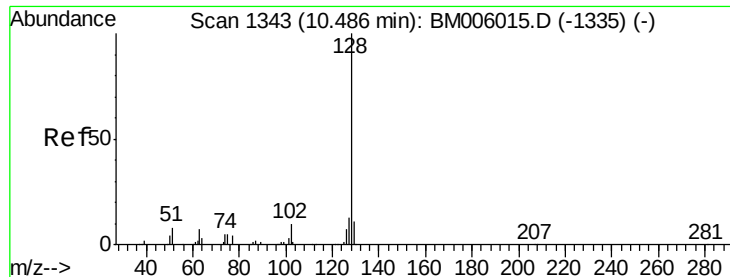
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
Data File : BM006031.D
Acq On : 26 Jun 2016 09:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02034

Quant Time: Jun 27 04:52:54 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
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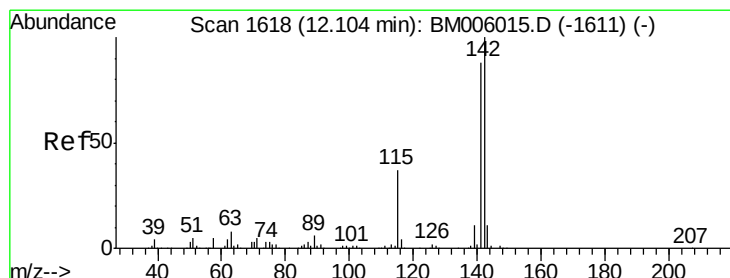
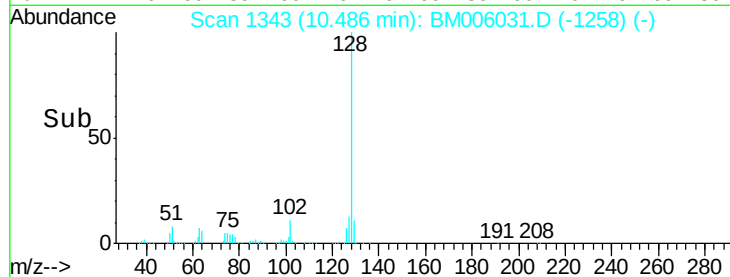
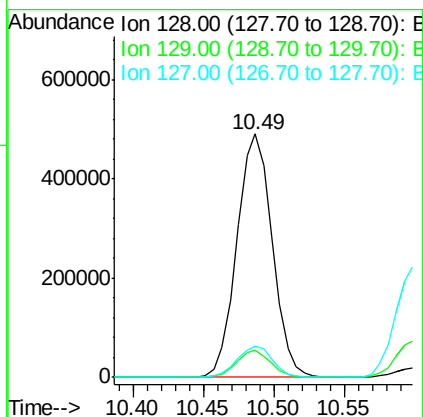
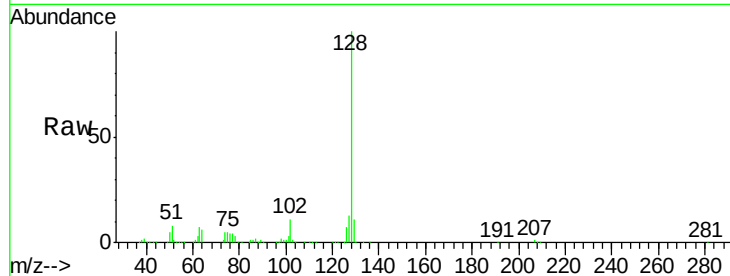




#11
Naphthalene
Concen: 20.33 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006031.D
Acq: 26 Jun 2016 09:36

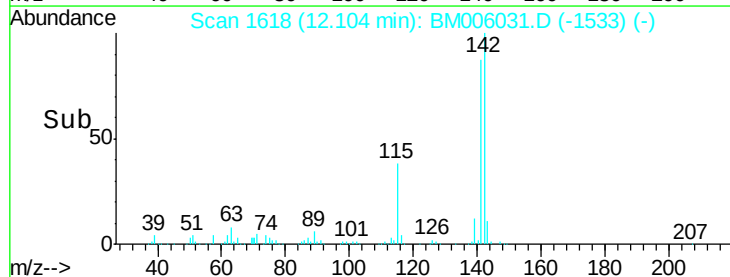
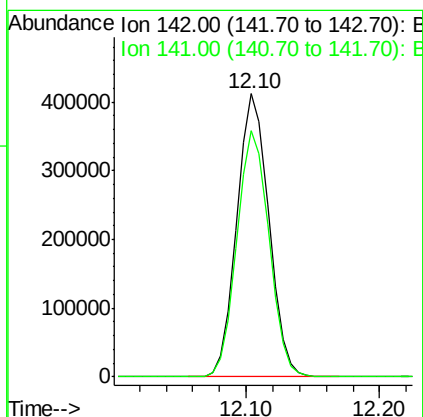
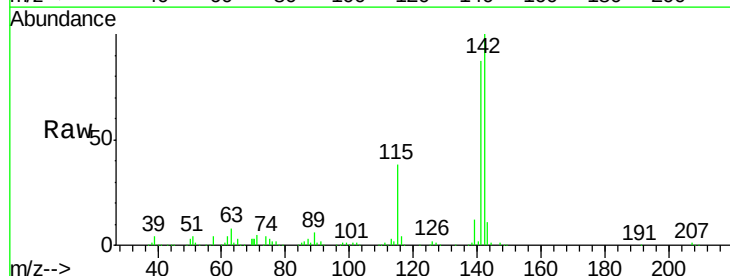
Instrument :
BNA_M
ClientSampleId :
SSTD02034

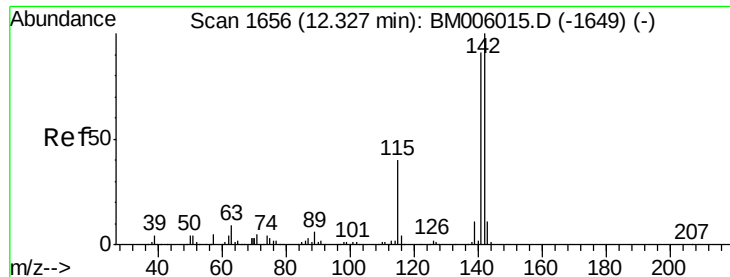
Tgt Ion:128 Resp: 858629
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.2 15.4



#13
2-Methylnaphthalene
Concen: 20.14 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BM006031.D
Acq: 26 Jun 2016 09:36

Tgt Ion:142 Resp: 684480
Ion Ratio Lower Upper
142 100
141 87.0 69.4 104.2

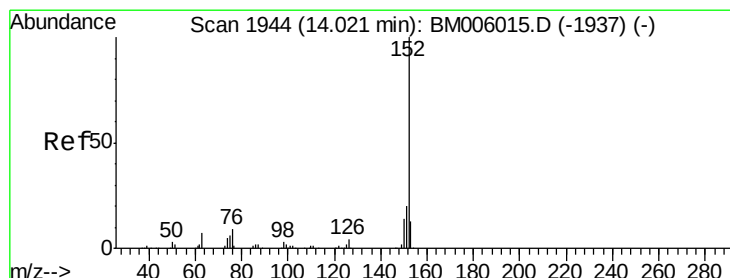
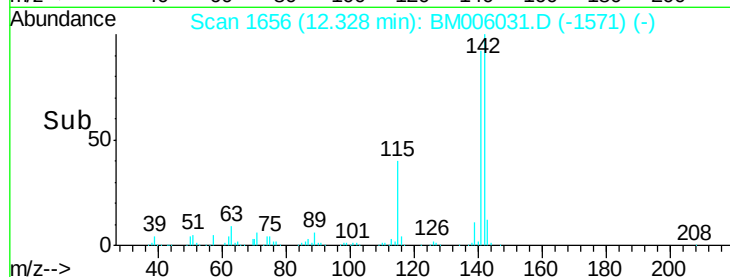
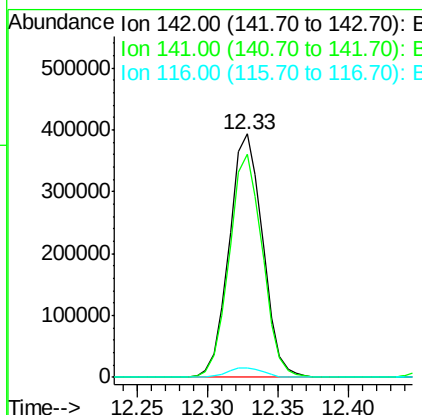
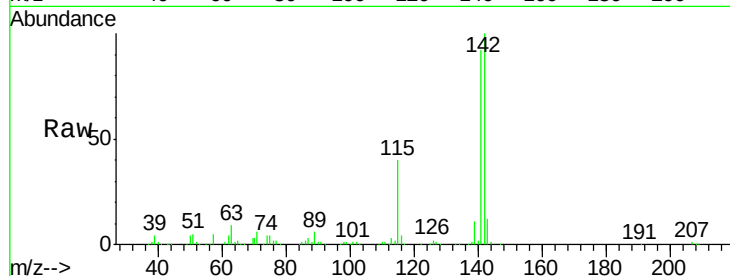




#14
1-Methylnaphthalene
Concen: 20.01 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BM006031.D
Acq: 26 Jun 2016 09:36

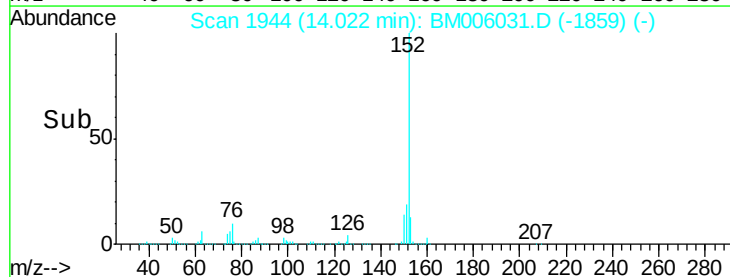
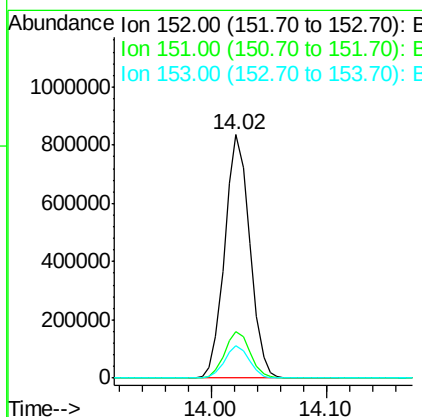
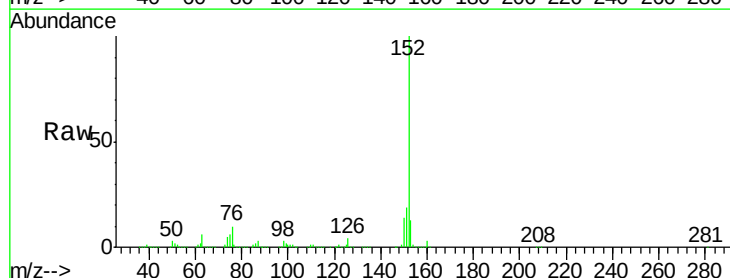
Instrument :
BNA_M
ClientSampleId :
SSTD02034

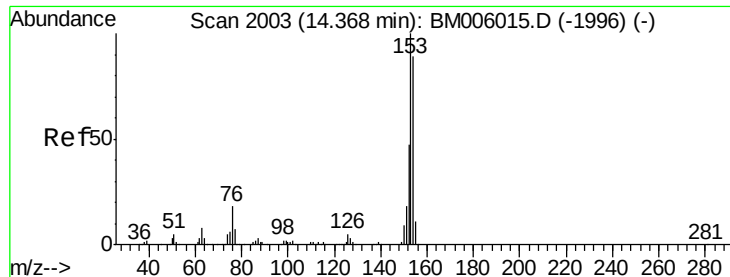
Tgt Ion:142 Resp: 651006
Ion Ratio Lower Upper
142 100
141 91.6 72.3 108.5
116 4.0 3.4 5.0



#18
Acenaphthylene
Concen: 20.51 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM006031.D
Acq: 26 Jun 2016 09:36

Tgt Ion:152 Resp: 1256801
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 13.3 10.5 15.7





#19

Acenaphthene

Concen: 20.58 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

Instrument :

BNA_M

ClientSampleId :

SSTD02034

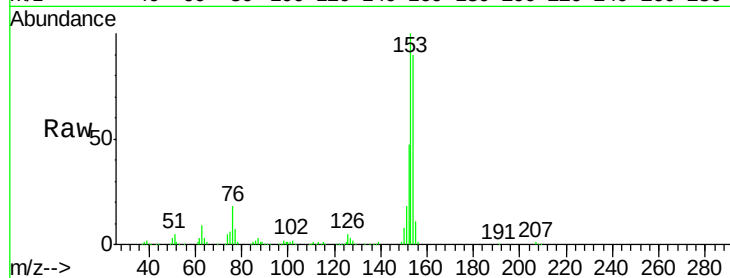
Tgt Ion:153 Resp: 800986

Ion Ratio Lower Upper

153 100

152 47.4 38.6 57.8

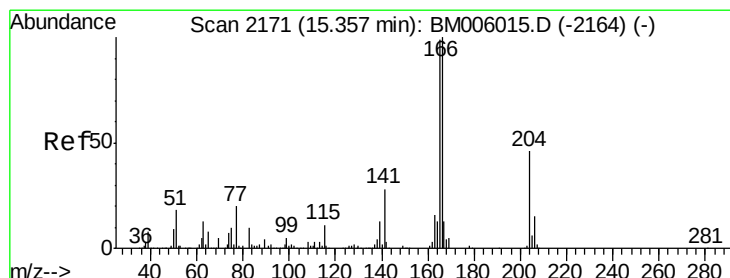
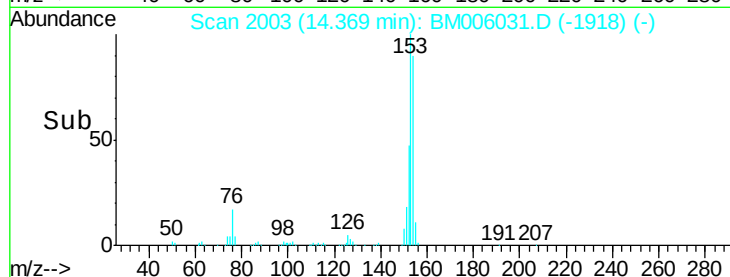
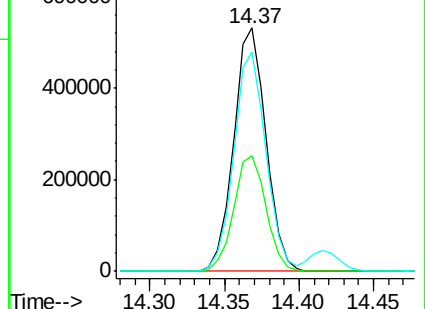
154 90.2 70.7 106.1



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: 20.63 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

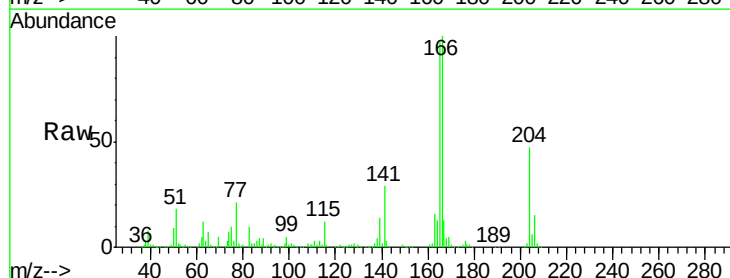
Tgt Ion:166 Resp: 967321

Ion Ratio Lower Upper

166 100

165 97.3 76.8 115.2

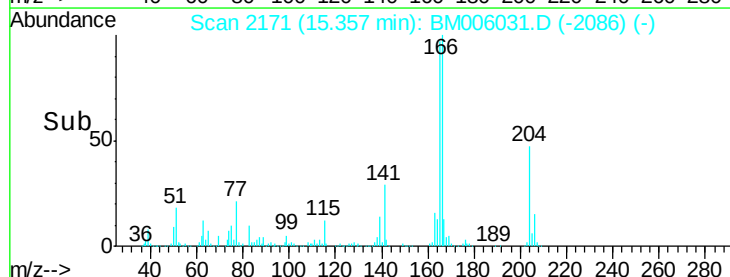
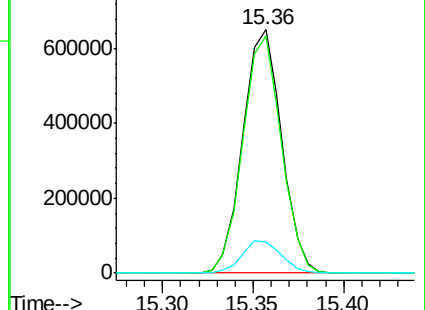
167 13.0 10.8 16.2

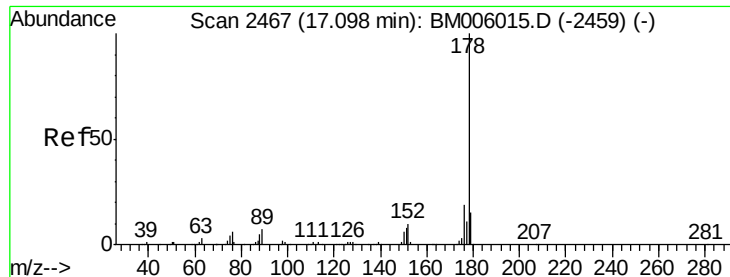


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.62 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

Instrument :

BNA_M

ClientSampleId :

SSTD02034

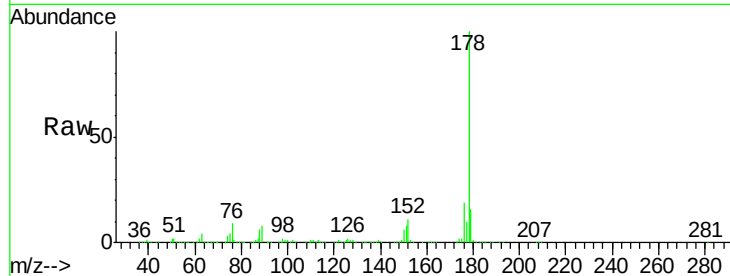
Tgt Ion:178 Resp: 1735298

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

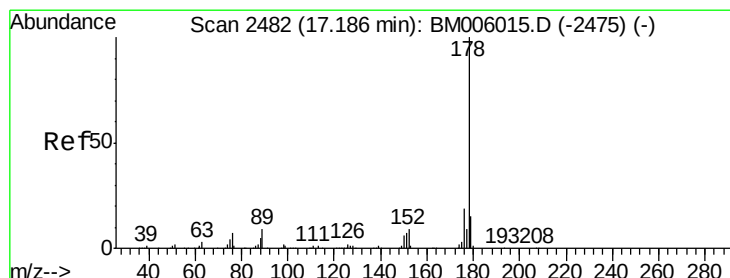
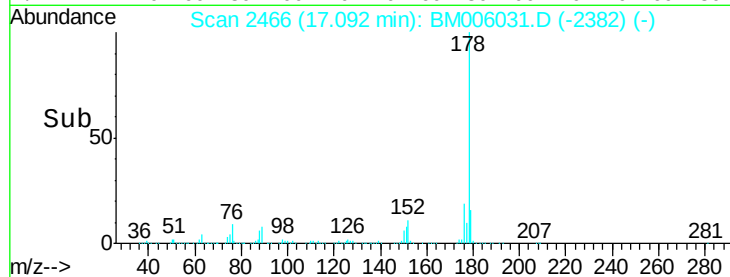
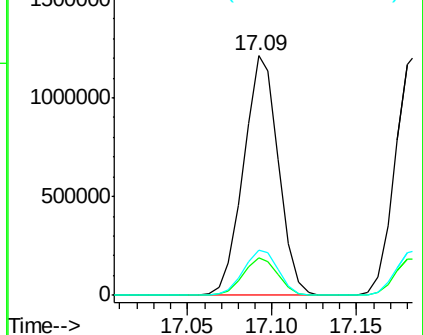
176 19.1 15.4 23.0



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



#27

Anthracene

Concen: 20.71 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

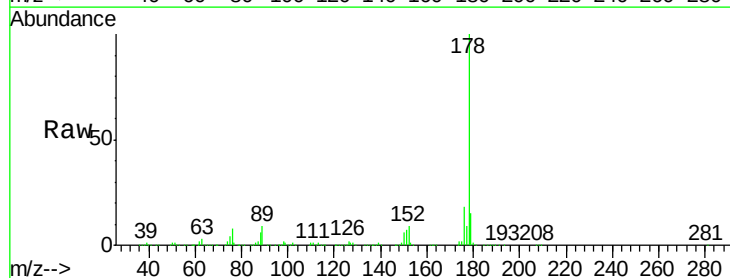
Tgt Ion:178 Resp: 1798788

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

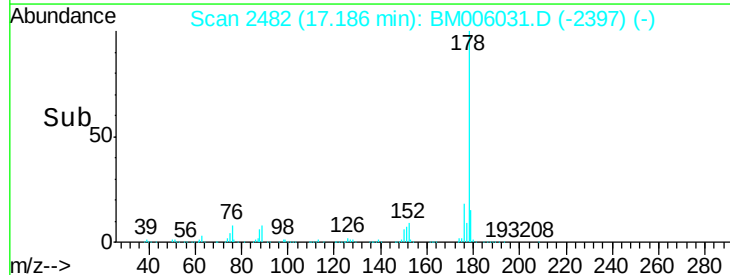
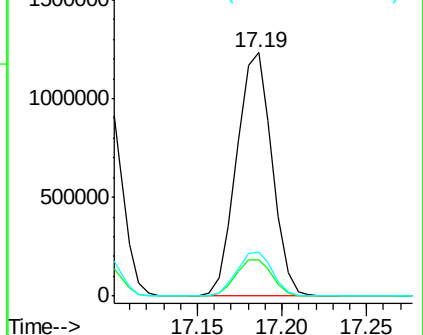
176 18.1 14.9 22.3

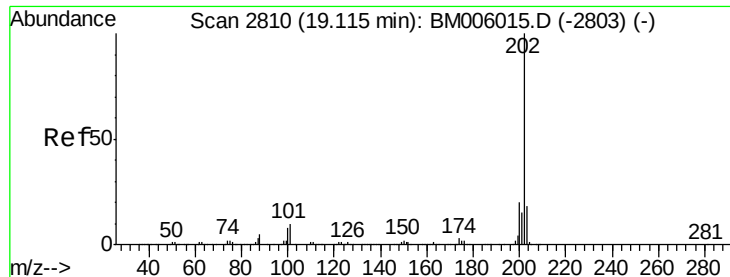


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.95 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

Instrument :

BNA_M

ClientSampleId :

SSTD02034

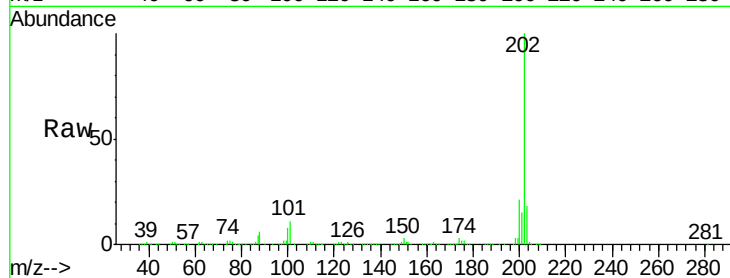
Tgt Ion:202 Resp: 2258186

Ion Ratio Lower Upper

202 100

101 11.1 8.2 12.4

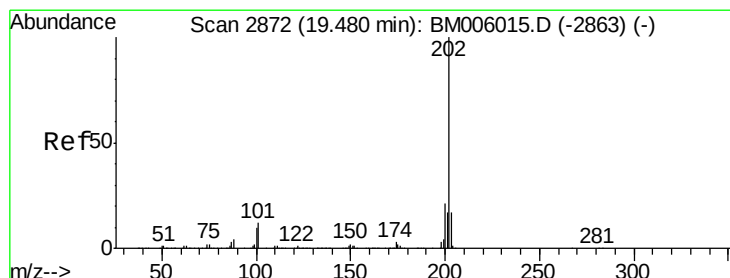
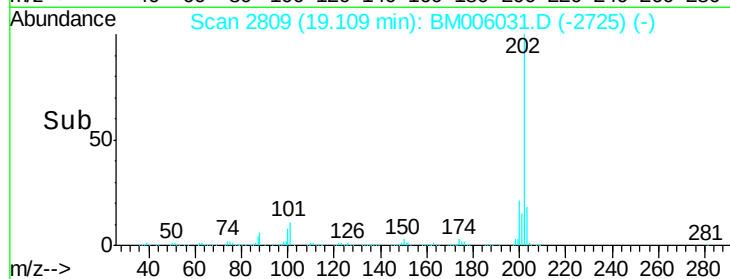
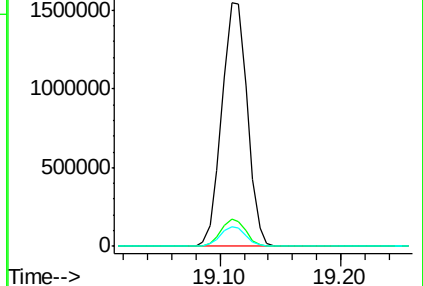
100 8.3 6.3 9.5



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



#31

Pyrene

Concen: 20.50 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

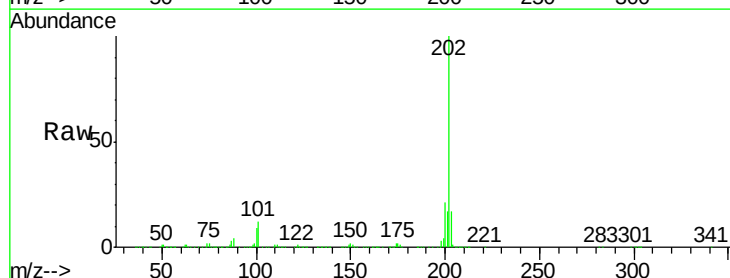
Tgt Ion:202 Resp: 2359967

Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.6

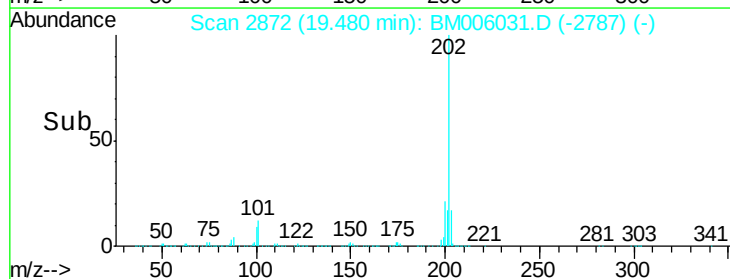
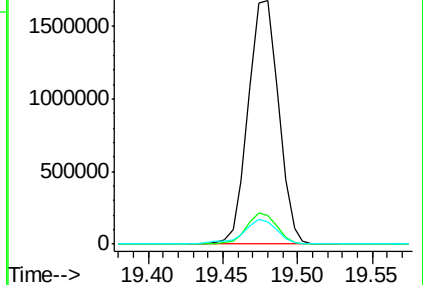
100 9.4 8.2 12.2

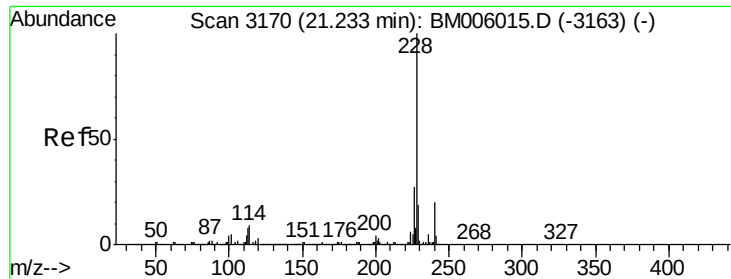


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

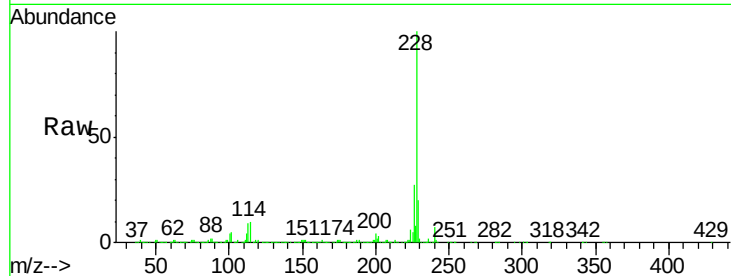




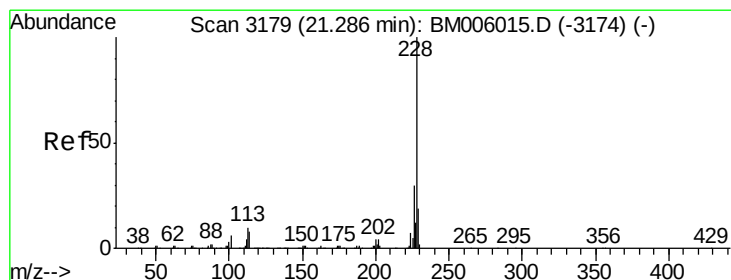
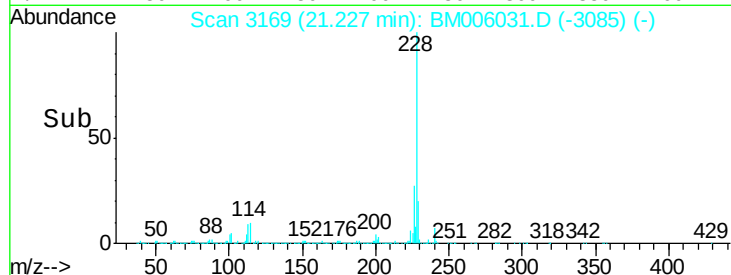
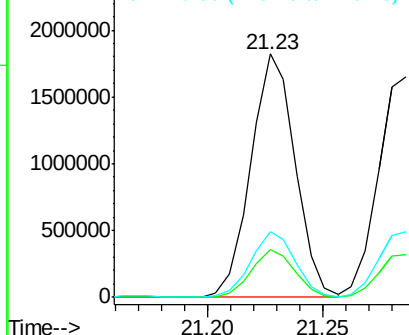
#32
Benzo(a)anthracene
Concen: 20.37 ng/ul
RT: 21.23 min Scan# 3169
Delta R.T. -0.01 min
Lab File: BM006031.D
Acq: 26 Jun 2016 09:36

Instrument :
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ClientSampleId :
SSTD02034

Tgt Ion:228 Resp: 2433117
Ion Ratio Lower Upper
228 100
229 19.8 15.8 23.6
226 27.2 21.5 32.3



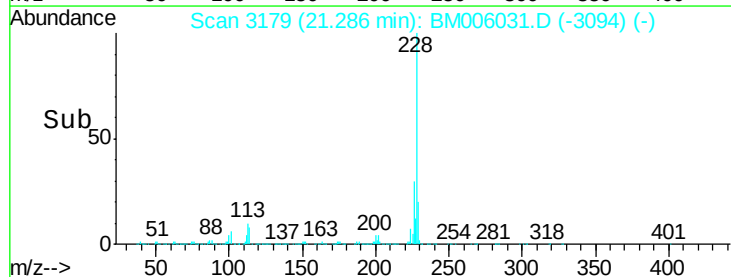
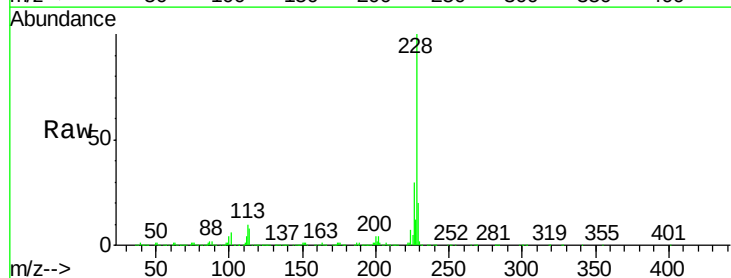
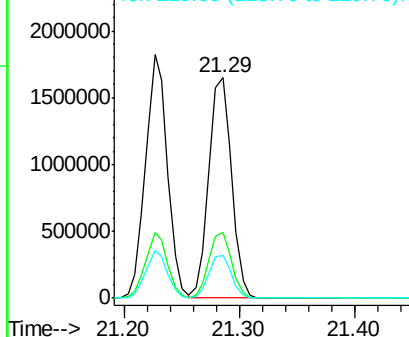
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

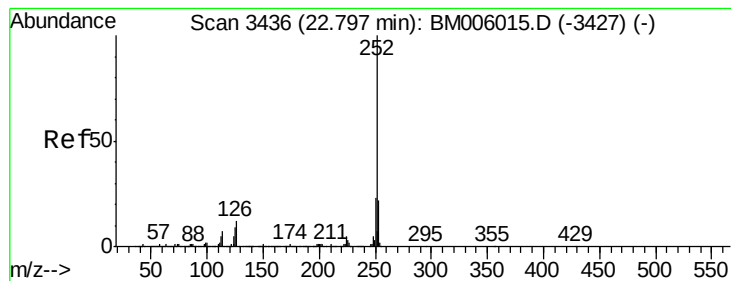


#33
Chrysene
Concen: 20.81 ng/ul
RT: 21.29 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BM006031.D
Acq: 26 Jun 2016 09:36

Tgt Ion:228 Resp: 2270758
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 19.6 15.4 23.2

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: 20.53 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

Instrument :

BNA_M

ClientSampleId :

SSTD02034

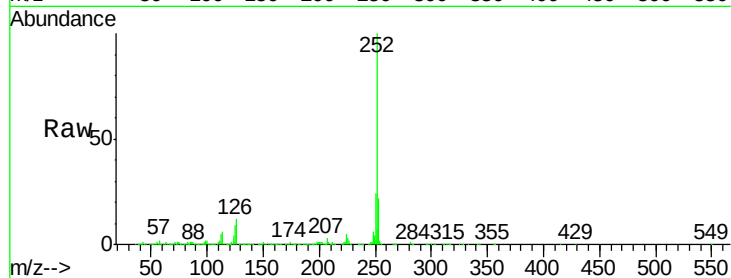
Tgt Ion:252 Resp: 2751996

Ion Ratio Lower Upper

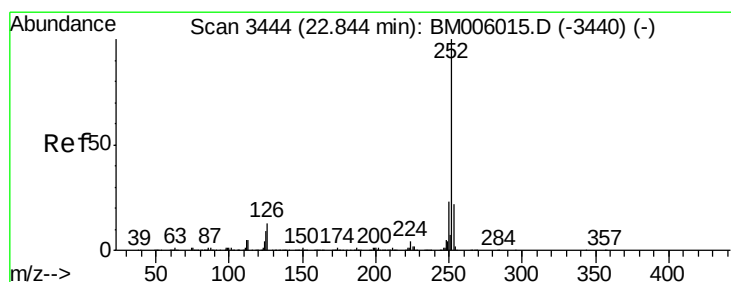
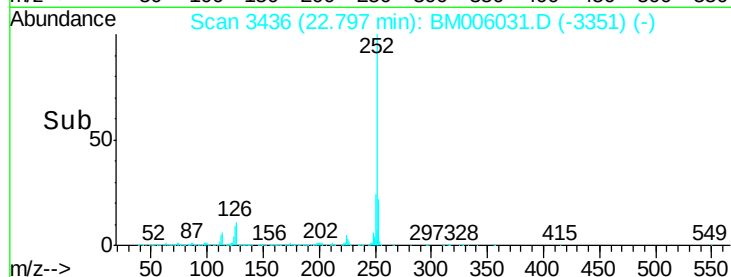
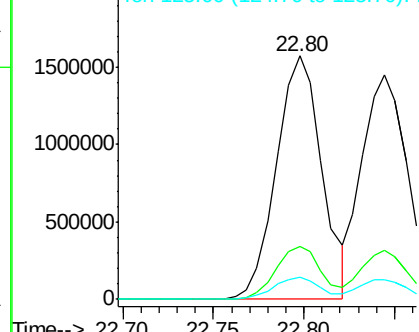
252 100

253 21.9 17.2 25.8

125 9.1 6.8 10.2



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



#36

Benzo(k)fluoranthene

Concen: 20.48 ng/ul

RT: 22.84 min Scan# 3444

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

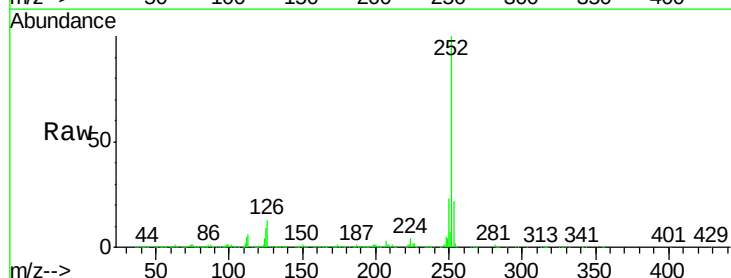
Tgt Ion:252 Resp: 2554060

Ion Ratio Lower Upper

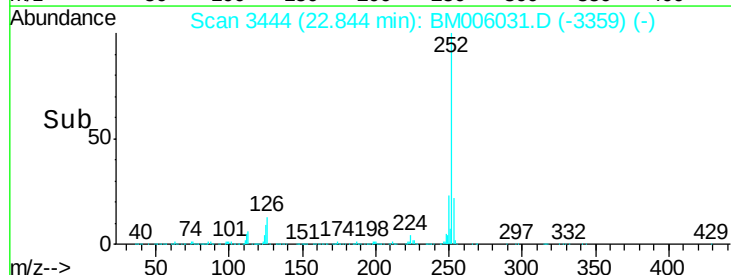
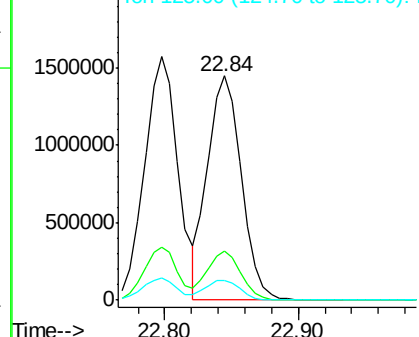
252 100

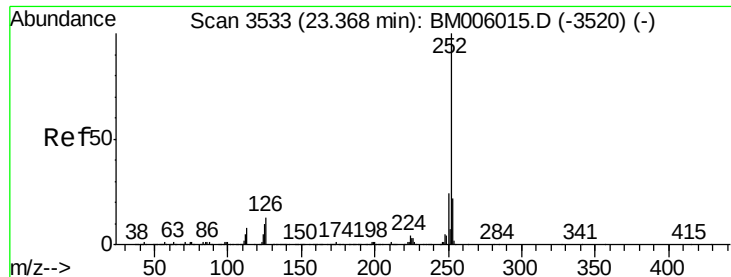
253 22.0 17.3 25.9

125 8.8 7.0 10.4



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





#38

Benzo(a)pyrene

Concen: 20.43 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

Instrument :

BNA_M

ClientSampleId :

SSTD02034

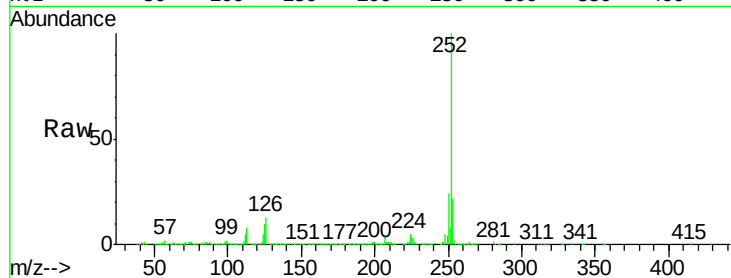
Tgt Ion:252 Resp: 2625698

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

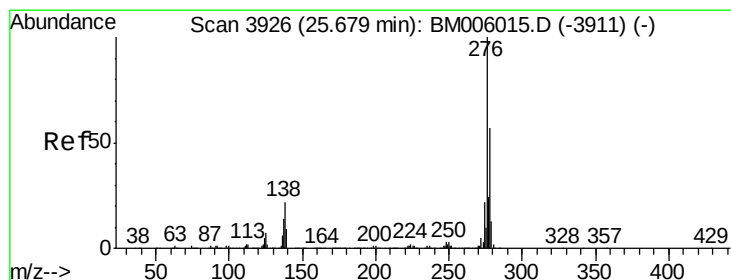
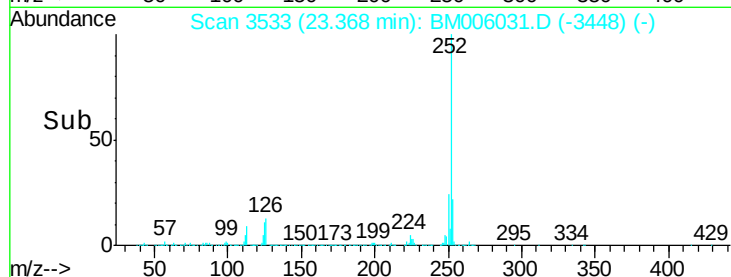
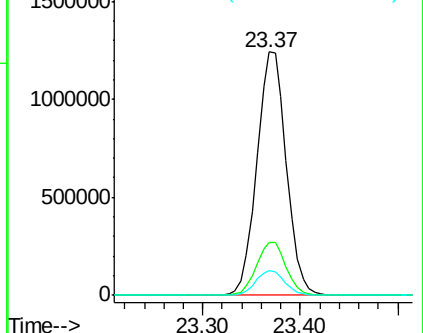
125 10.1 7.8 11.6



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 19.59 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

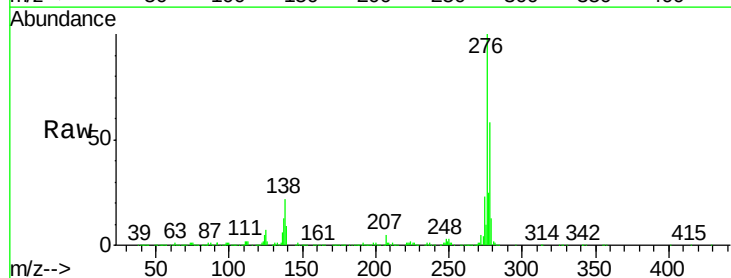
Tgt Ion:276 Resp: 3002481

Ion Ratio Lower Upper

276 100

138 21.6 16.6 25.0

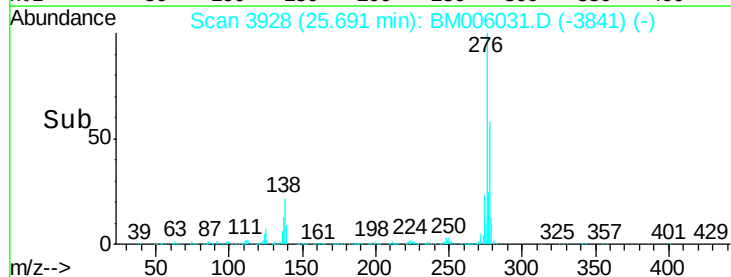
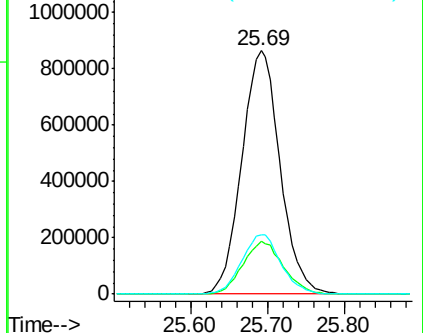
277 24.6 19.6 29.4

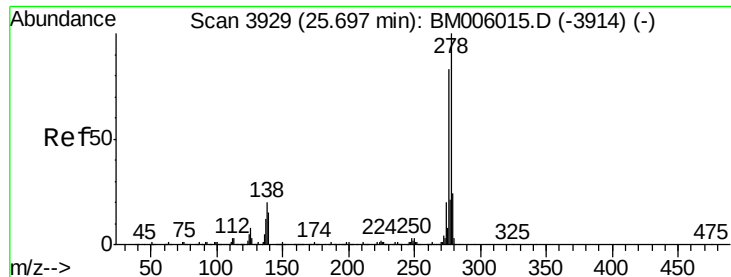


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 19.68 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. 0.01 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

Instrument :

BNA_M

ClientSampleId :

SSTD02034

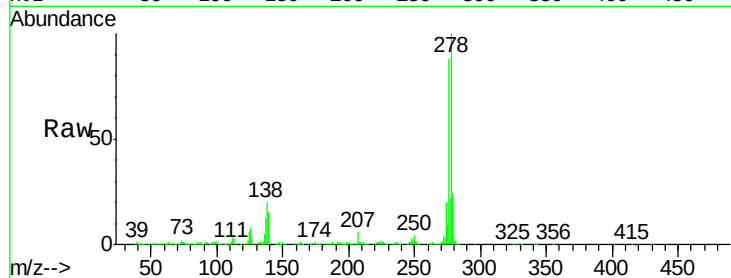
Tgt Ion:278 Resp: 2507161

Ion Ratio Lower Upper

278 100

139 15.0 11.4 17.2

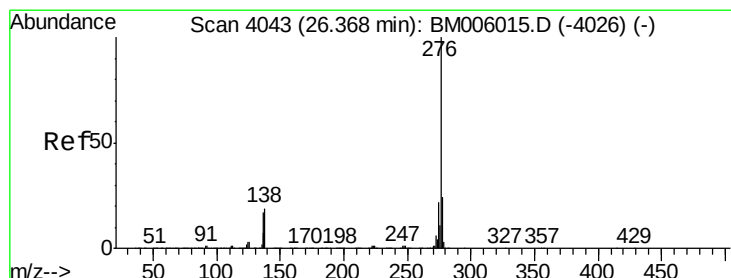
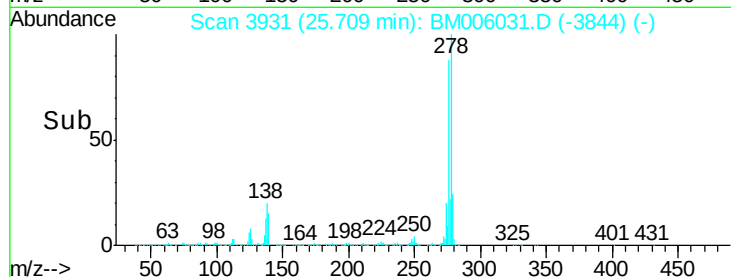
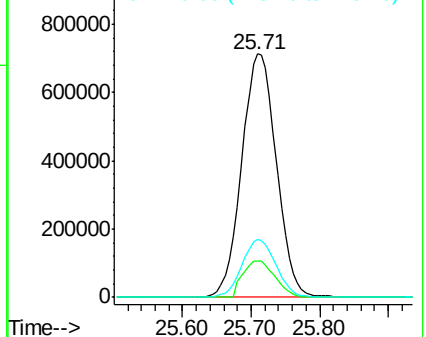
279 23.7 18.8 28.2



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: 19.08 ng/ul

RT: 26.39 min Scan# 4046

Delta R.T. 0.02 min

Lab File: BM006031.D

Acq: 26 Jun 2016 09:36

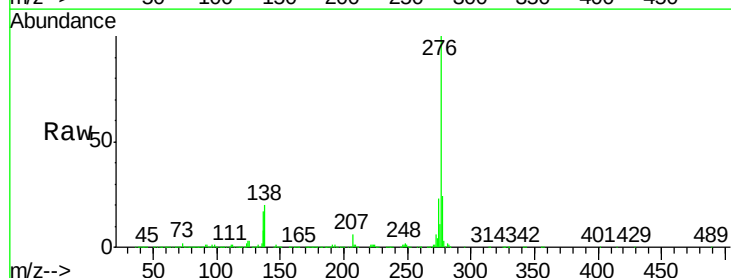
Tgt Ion:276 Resp: 2528990

Ion Ratio Lower Upper

276 100

138 20.5 15.9 23.9

277 24.1 19.2 28.8



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

