

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006071.D
 Acq On : 27 Jun 2016 15:21
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02039

Quant Time: Jun 28 02:12:40 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	265784	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1336210	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	867734	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2128524	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	2119731	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1903253	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	43103	7.24	ng/uL	0.00
3) Phenol-d5	6.83	99	521005	18.63	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	299806	19.27	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	382531	19.64	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	433985	18.39	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	202925	19.95	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	215626	19.05	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	440506	20.29	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	552814	23.46	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1386286	18.66	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1780522	20.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	282280	17.81	ng/ul	0.00
21) Fluorene-d10	15.30	176	1252834	19.75	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	189455	16.03	ng/ul	0.00
26) Anthracene-d10	17.16	188	2020758	20.67	ng/ul	0.00
30) Pyrene-d10	19.46	212	2244216	24.17	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	1790322	20.84	ng/ul	0.00

Target Compounds

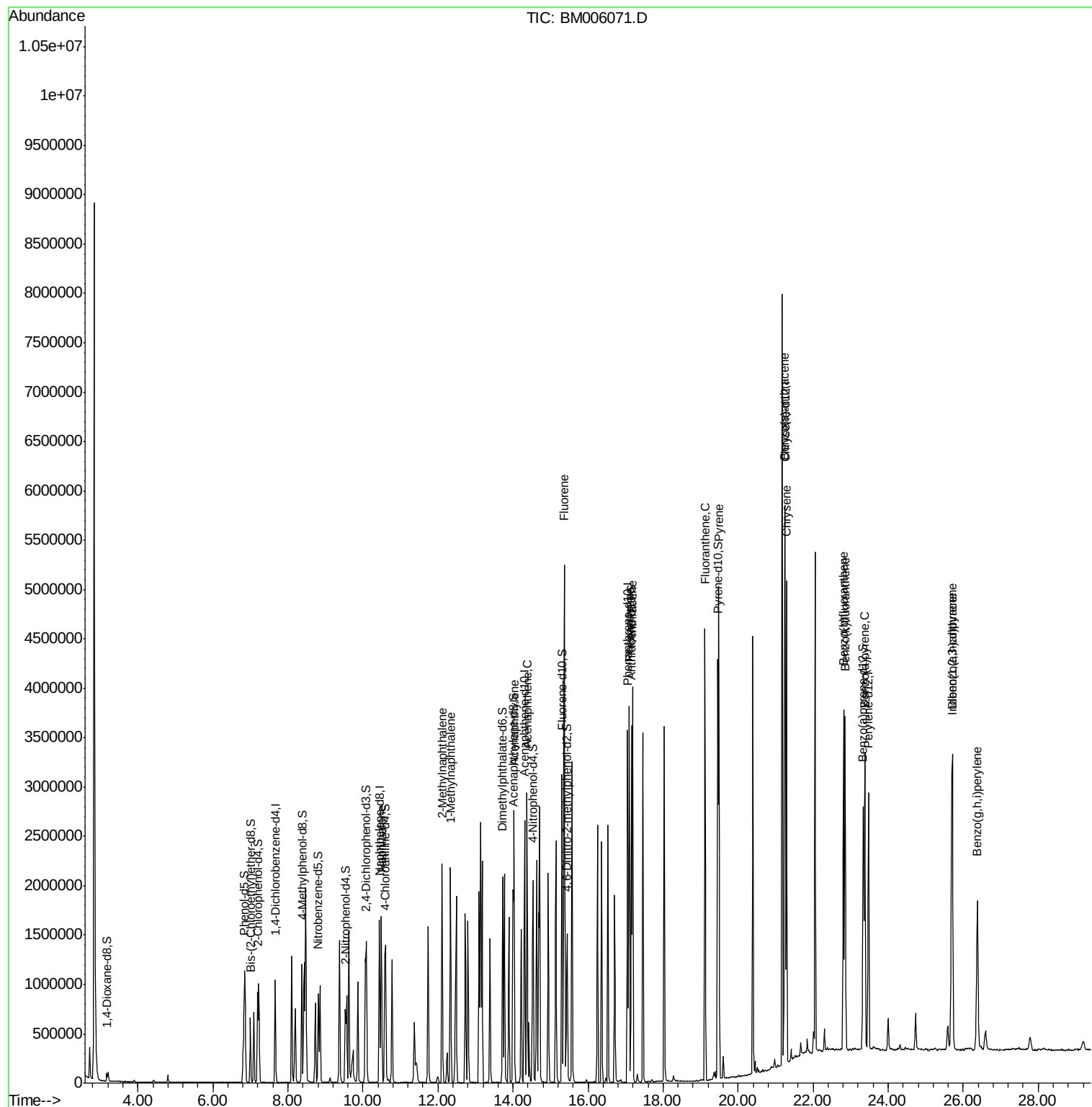
						Qvalue
11) Naphthalene	10.49	128	1356747	20.32	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	1072798	19.97	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	1008207	19.60	ng/ul	98
18) Acenaphthylene	14.03	152	1867317	20.56	ng/ul	99
19) Acenaphthene	14.37	153	1192856	20.67	ng/ul	98
22) Fluorene	15.36	166	1359855	19.56	ng/ul	98
25) Phenanthrene	17.10	178	2347477	20.50	ng/ul	100
27) Anthracene	17.19	178	2419503	20.47	ng/ul	100
28) Fluoranthene	19.12	202	2870297	19.57	ng/ul	99
31) Pyrene	19.49	202	2923122	24.09	ng/ul	97
32) Benzo(a)anthracene	21.24	228	2605786	20.69	ng/ul	99
33) Chrysene	21.29	228	2399858	20.86	ng/ul	99
35) Benzo(b)fluoranthene	22.81	252	2441520	22.08	ng/ul	99
36) Benzo(k)fluoranthene	22.86	252	2269552	22.06	ng/ul	98
38) Benzo(a)pyrene	23.38	252	2190362	20.66	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.70	276	2274060	17.99	ng/ul	96
40) Dibenzo(a,h)anthracene	25.71	278	1908518	18.16	ng/ul	98
41) Benzo(g,h,i)perylene	26.38	276	1940014	17.75	ng/ul	98

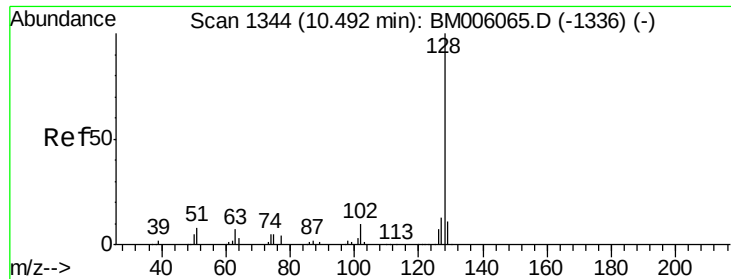
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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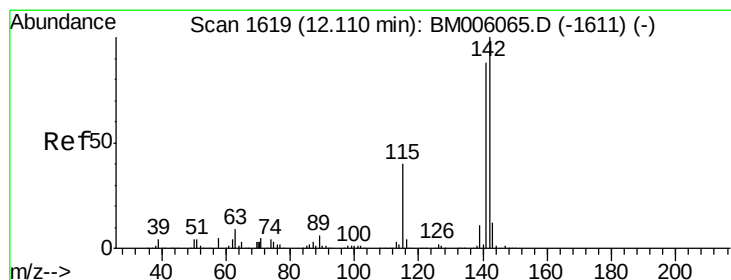
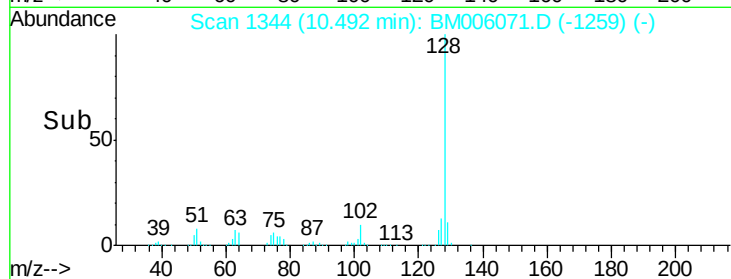
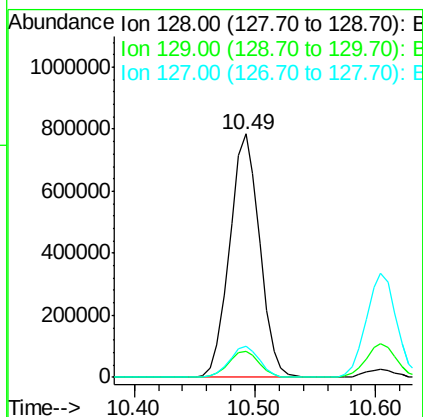
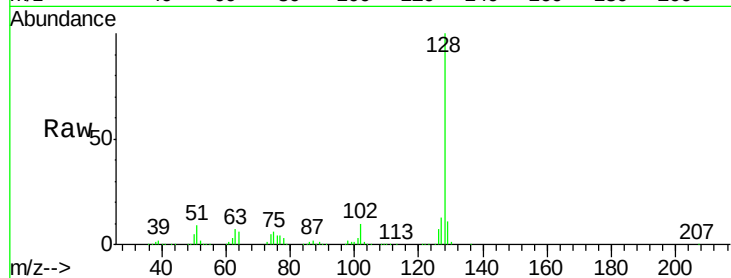




#11
Naphthalene
Concen: 20.32 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM006071.D
Acq: 27 Jun 2016 15:21

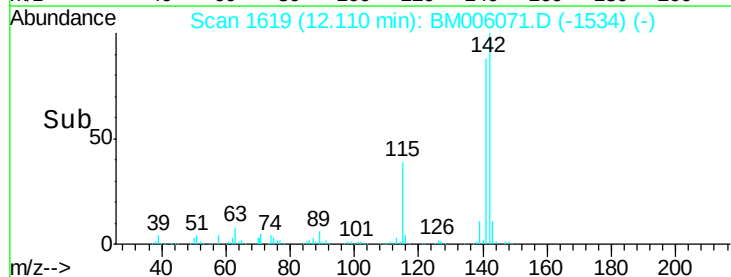
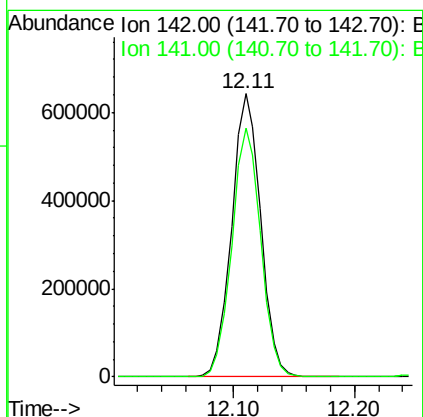
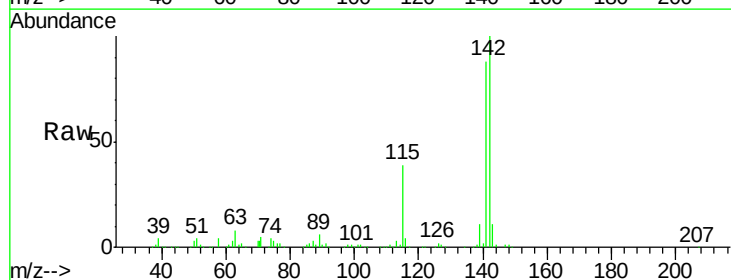
Instrument :
BNA_M
ClientSampleId :
SSTD02039

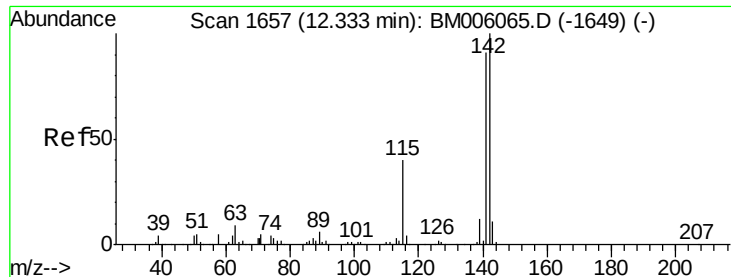
Tgt Ion:128 Resp: 1356747
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.8 10.5 15.7



#13
2-Methylnaphthalene
Concen: 19.97 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BM006071.D
Acq: 27 Jun 2016 15:21

Tgt Ion:142 Resp: 1072798
Ion Ratio Lower Upper
142 100
141 87.9 69.0 103.6

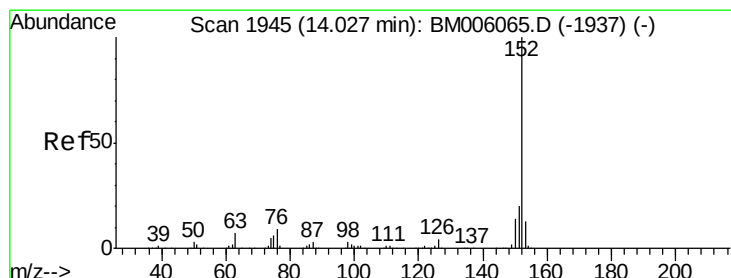
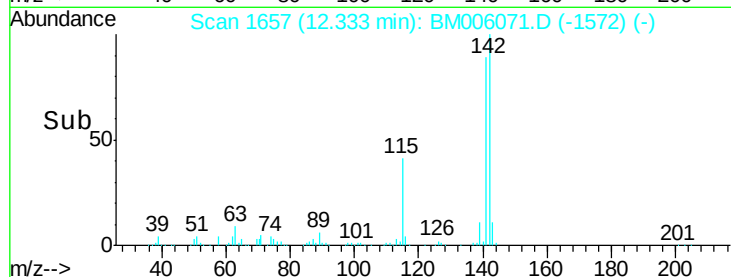
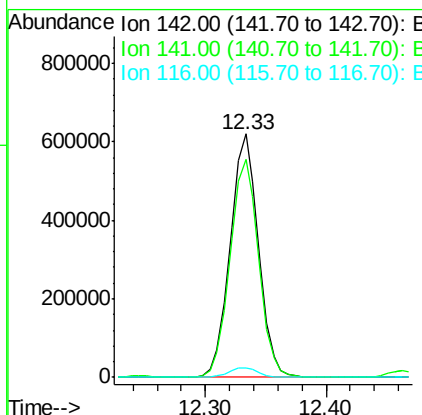
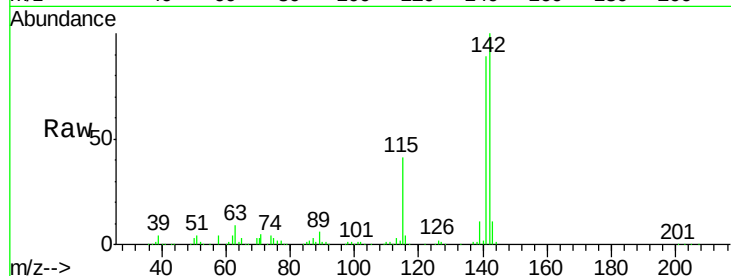




#14
1-Methylnaphthalene
Concen: 19.60 ng/ul
RT: 12.33 min Scan# 1657
Delta R.T. 0.00 min
Lab File: BM006071.D
Acq: 27 Jun 2016 15:21

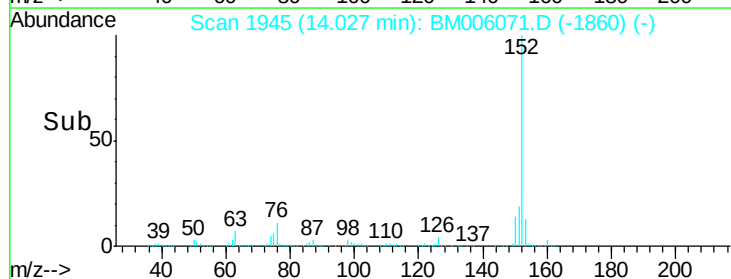
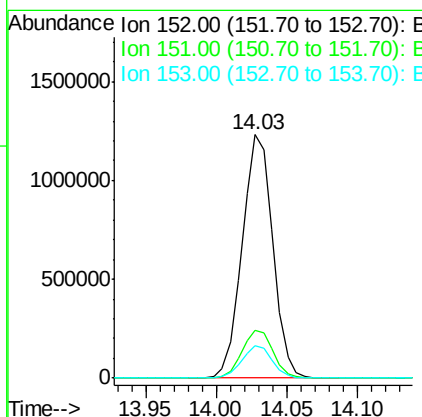
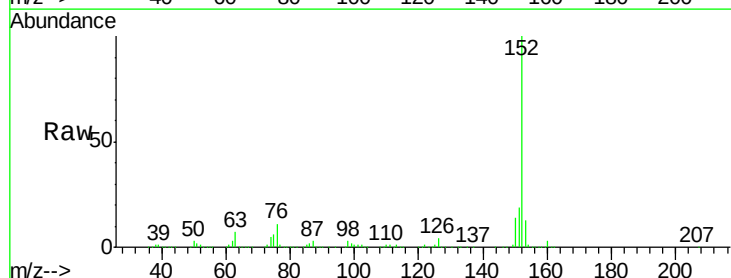
Instrument :
BNA_M
ClientSampleId :
SSTD02039

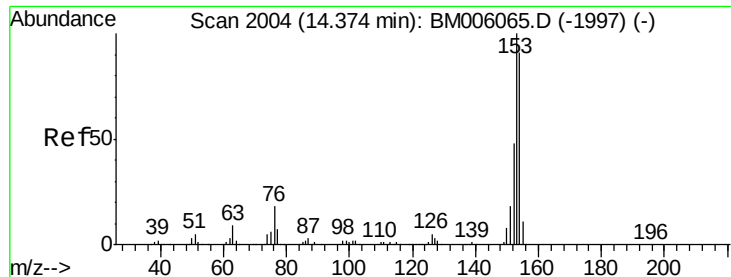
Tgt Ion:142 Resp: 1008207
Ion Ratio Lower Upper
142 100
141 89.4 73.0 109.4
116 4.1 3.0 4.6



#18
Acenaphthylene
Concen: 20.56 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BM006071.D
Acq: 27 Jun 2016 15:21

Tgt Ion:152 Resp: 1867317
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.4 10.3 15.5





#19

Acenaphthene

Concen: 20.67 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Instrument :

BNA_M

ClientSampleId :

SSTD02039

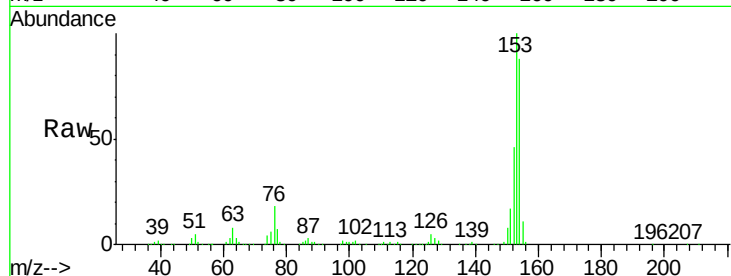
Tgt Ion:153 Resp: 1192856

Ion Ratio Lower Upper

153 100

152 46.4 38.1 57.1

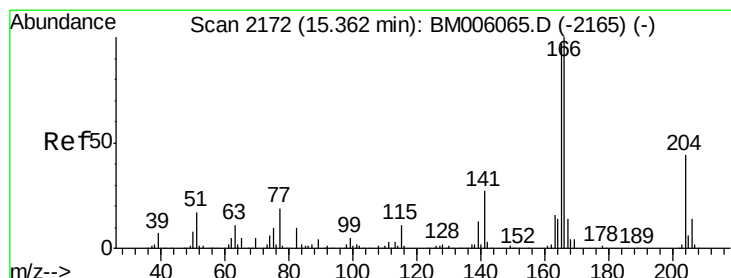
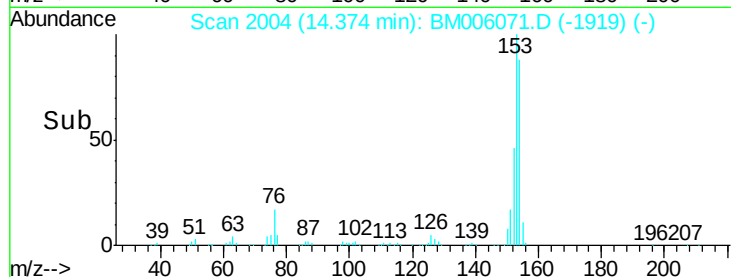
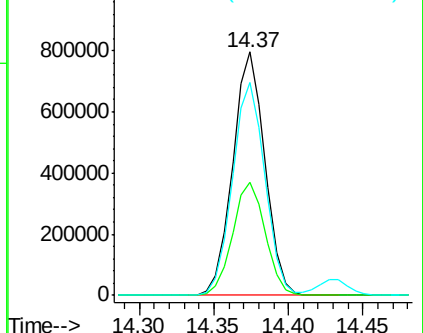
154 87.6 71.6 107.4



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: 19.56 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

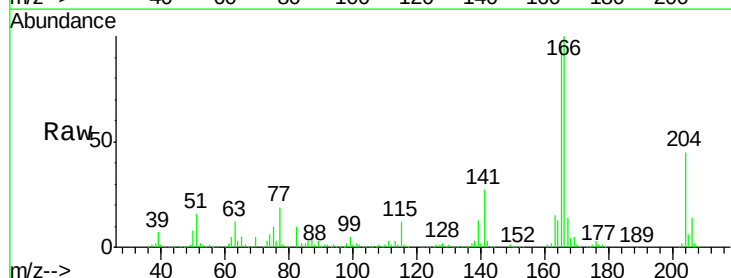
Tgt Ion:166 Resp: 1359855

Ion Ratio Lower Upper

166 100

165 95.9 78.4 117.6

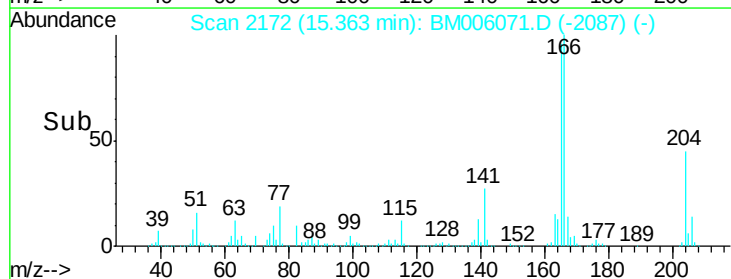
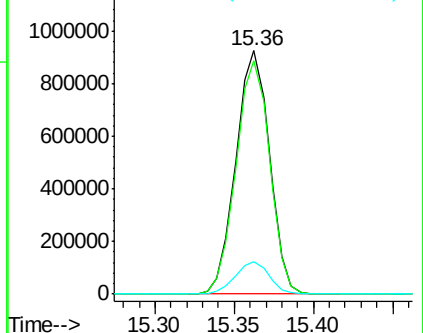
167 13.5 10.6 16.0

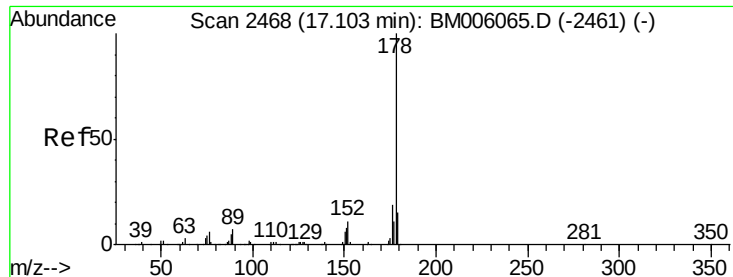


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.50 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Instrument :

BNA_M

ClientSampleId :

SSTD02039

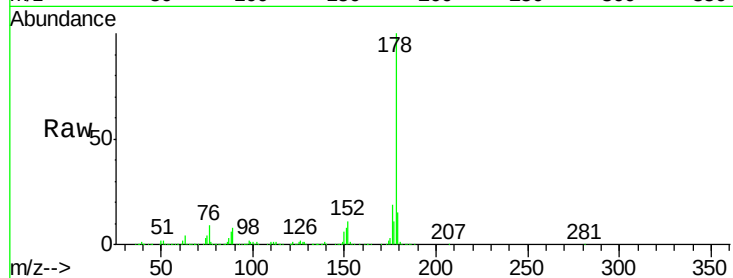
Tgt Ion:178 Resp: 2347477

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

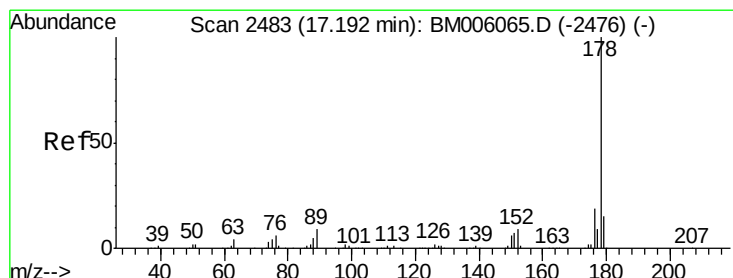
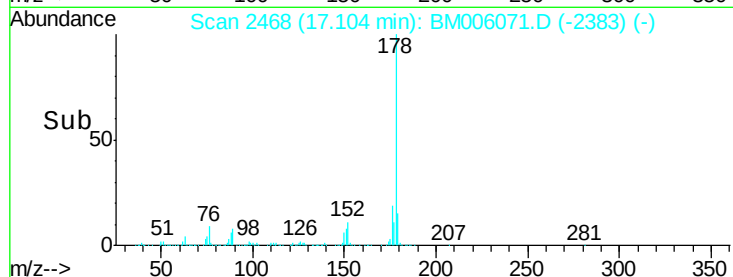
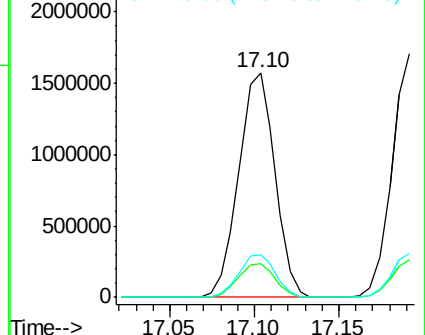
176 19.0 15.3 22.9



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: 20.47 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

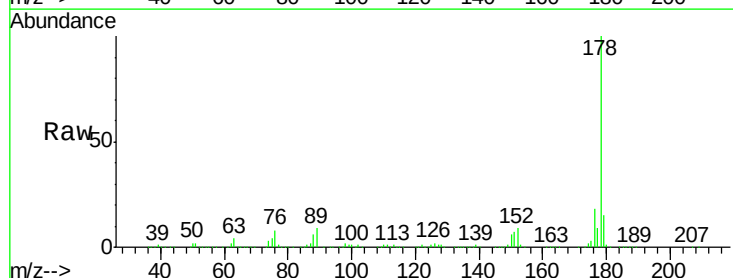
Tgt Ion:178 Resp: 2419503

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

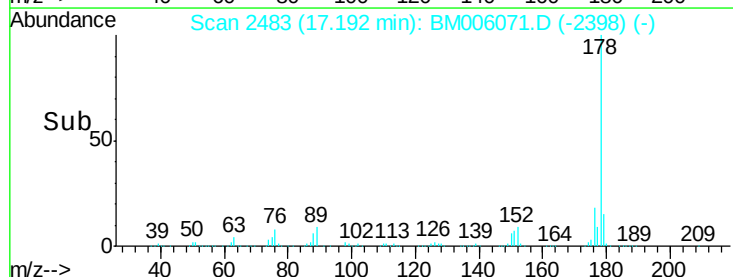
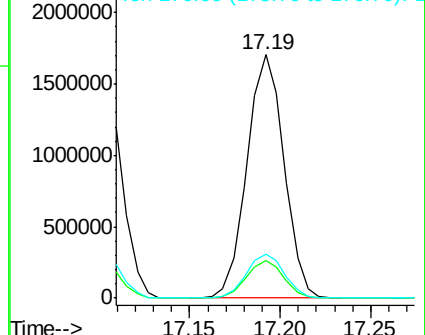
176 18.3 14.6 22.0

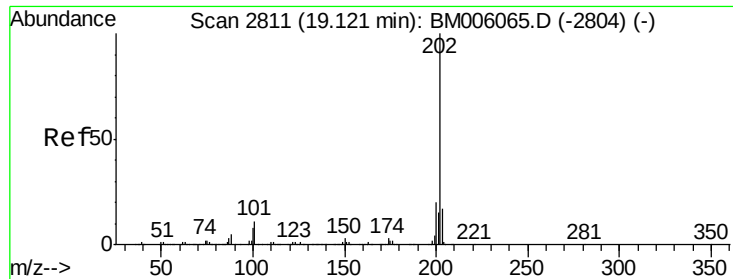


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

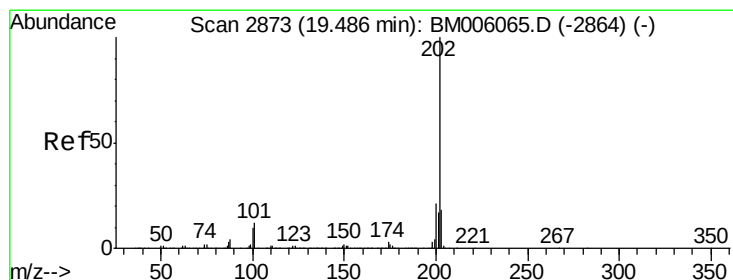
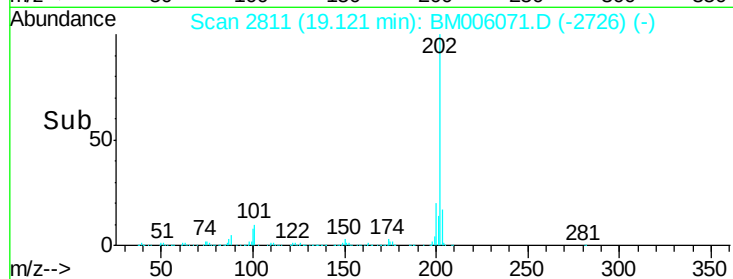
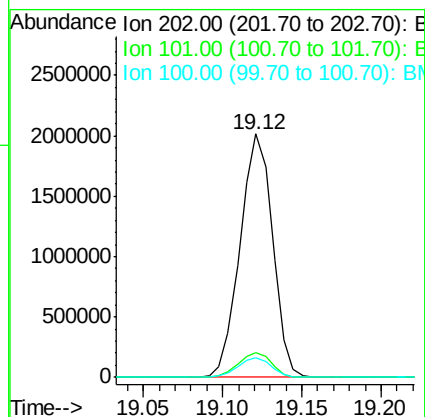
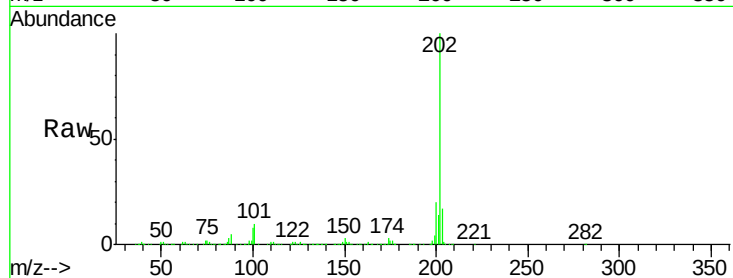




#28
 Fluoranthene
 Concen: 19.57 ng/ul
 RT: 19.12 min Scan# 2811
 Delta R.T. 0.00 min
 Lab File: BM006071.D
 Acq: 27 Jun 2016 15:21

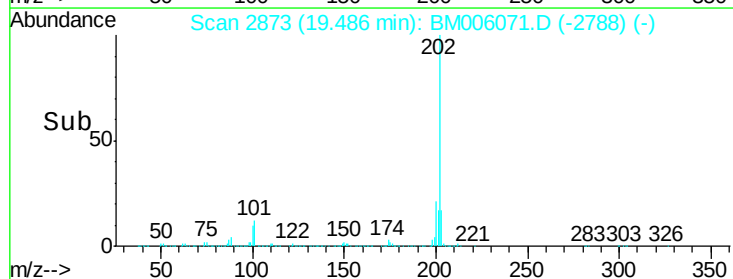
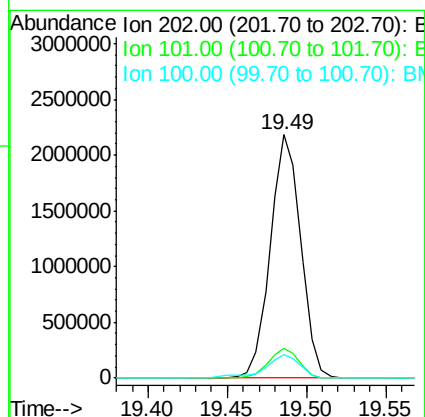
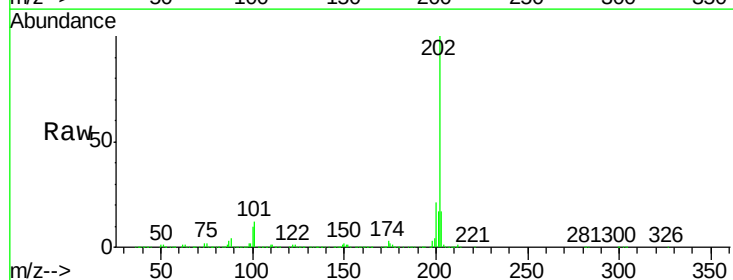
Instrument :
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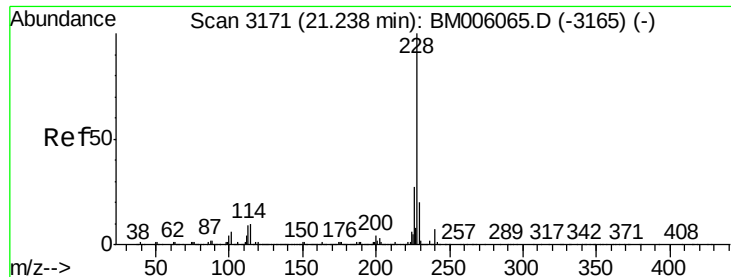
Tgt Ion:202 Resp: 2870297
 Ion Ratio Lower Upper
 202 100
 101 10.3 8.5 12.7
 100 8.0 6.5 9.7



#31
 Pyrene
 Concen: 24.09 ng/ul
 RT: 19.49 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: BM006071.D
 Acq: 27 Jun 2016 15:21

Tgt Ion:202 Resp: 2923122
 Ion Ratio Lower Upper
 202 100
 101 12.3 11.0 16.4
 100 9.8 8.9 13.3





#32

Benzo(a)anthracene

Concen: 20.69 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Instrument :

BNA_M

ClientSampleId :

SSTD02039

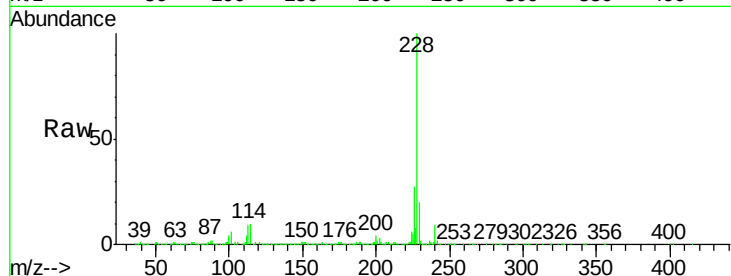
Tgt Ion:228 Resp: 2605786

Ion Ratio Lower Upper

228 100

229 19.8 15.6 23.4

226 27.5 21.6 32.4



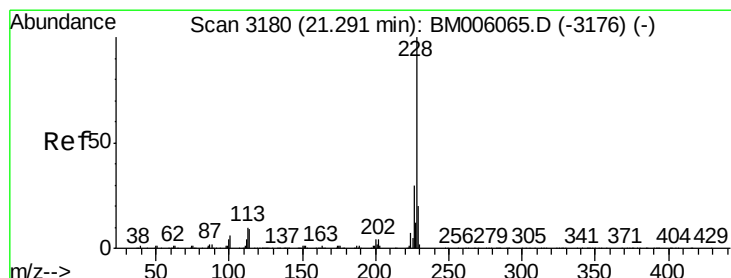
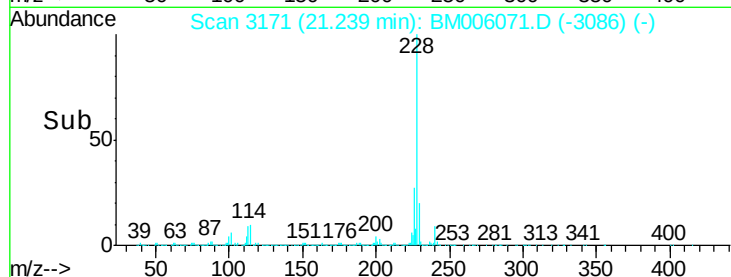
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

21.24

Time-->



#33

Chrysene

Concen: 20.86 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

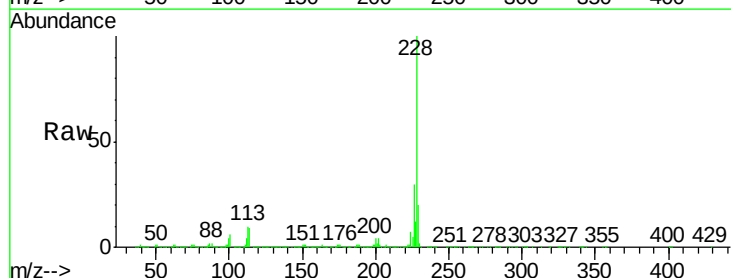
Tgt Ion:228 Resp: 2399858

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.6

229 19.7 15.8 23.6



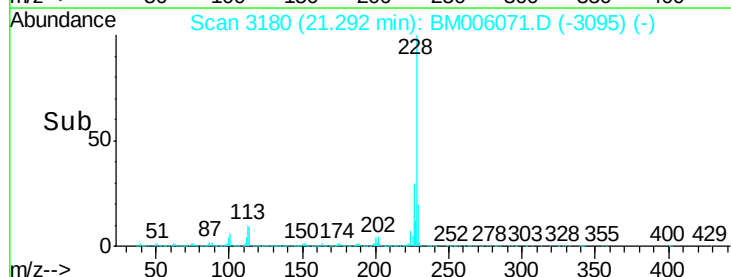
Abundance Ion 228.00 (227.70 to 228.70): E

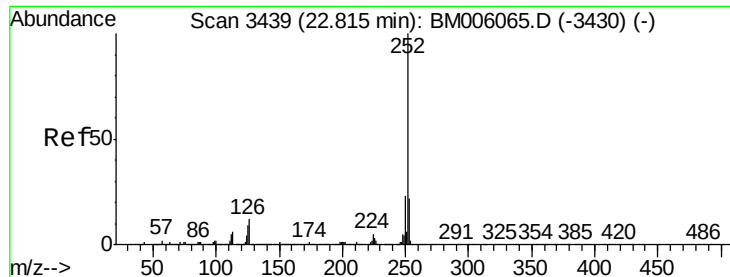
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.29

Time-->





#35

Benzo(b)fluoranthene

Concen: 22.08 ng/ul

RT: 22.81 min Scan# 3438

Delta R.T. -0.01 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Instrument :

BNA_M

ClientSampleId :

SSTD02039

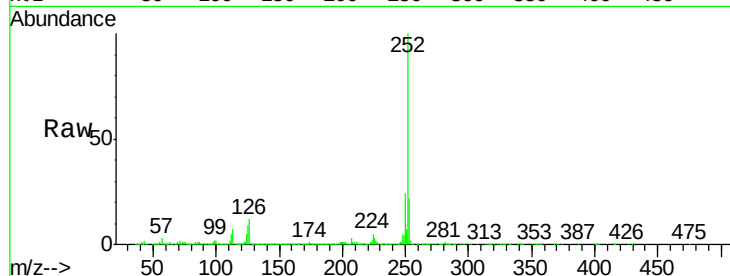
Tgt Ion:252 Resp: 2441520

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

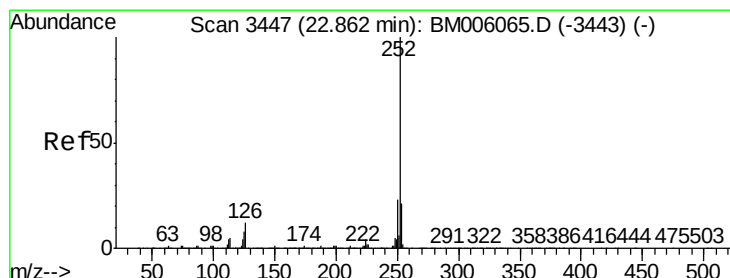
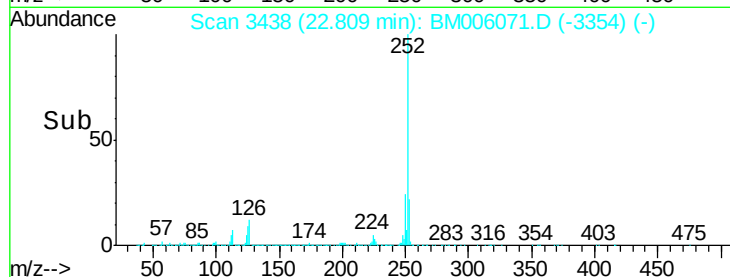
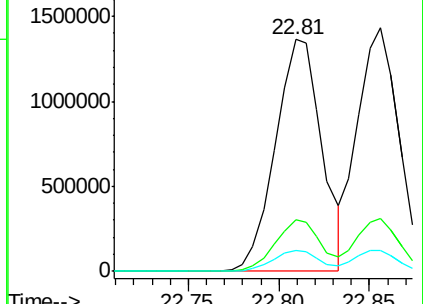
125 9.3 7.8 11.6



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



#36

Benzo(k)fluoranthene

Concen: 22.06 ng/ul

RT: 22.86 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

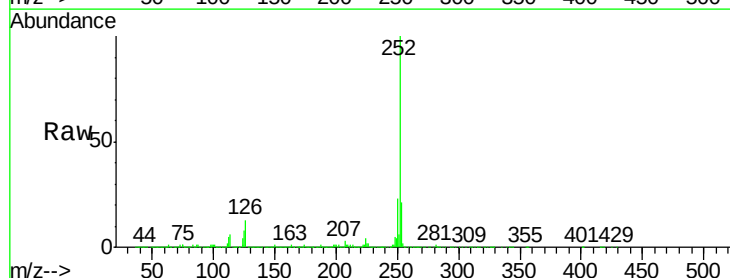
Tgt Ion:252 Resp: 2269552

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

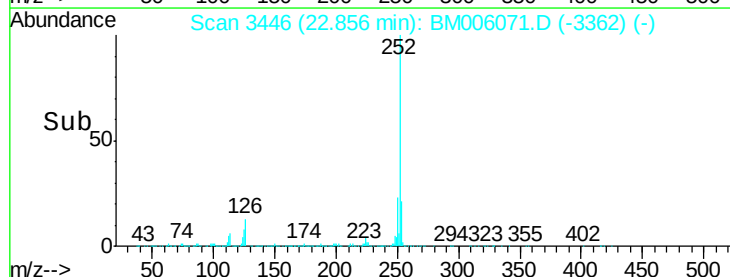
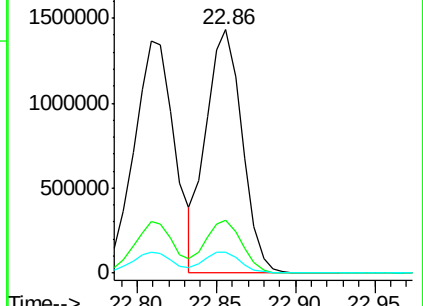
125 8.5 8.1 12.1

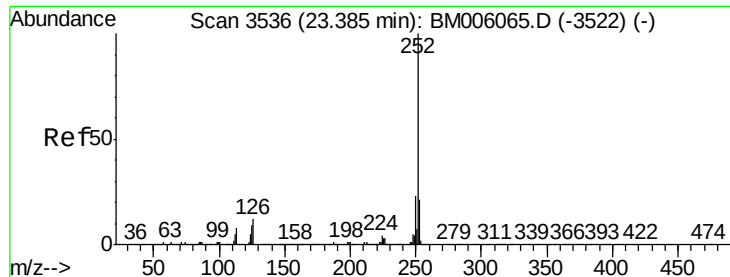


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 20.66 ng/ul

RT: 23.38 min Scan# 3535

Delta R.T. -0.01 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Instrument :

BNA_M

ClientSampleId :

SSTD02039

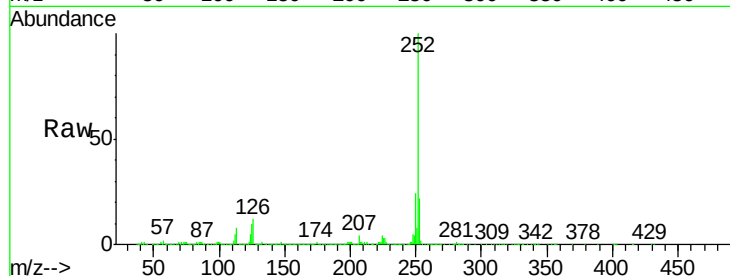
Tgt Ion:252 Resp: 2190362

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

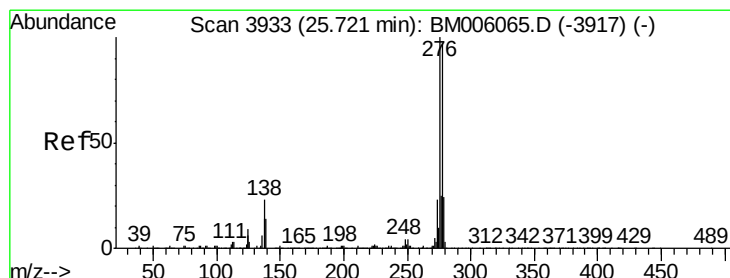
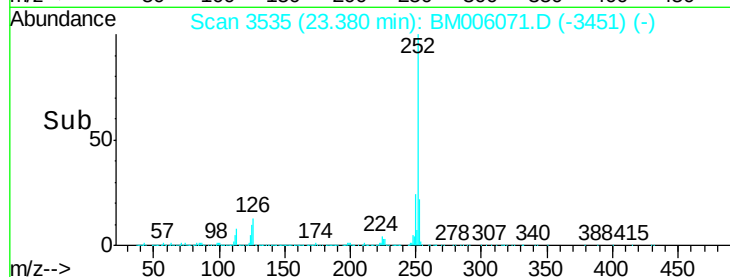
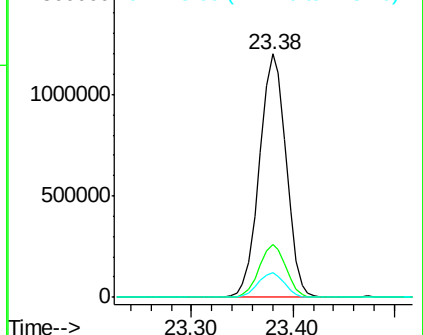
125 10.0 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 17.99 ng/ul

RT: 25.70 min Scan# 3929

Delta R.T. -0.02 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

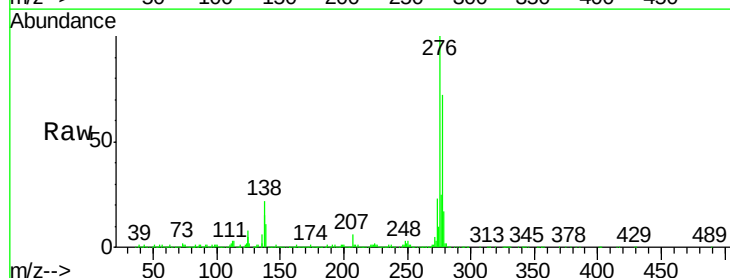
Tgt Ion:276 Resp: 2274060

Ion Ratio Lower Upper

276 100

138 21.8 20.4 30.6

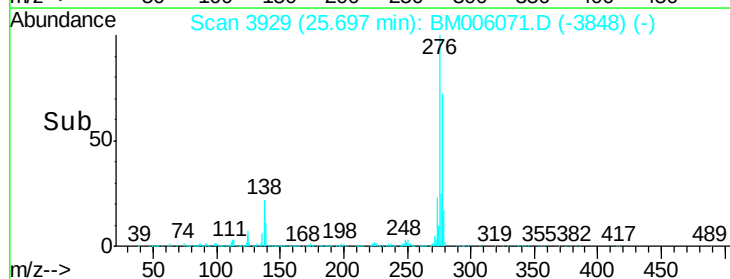
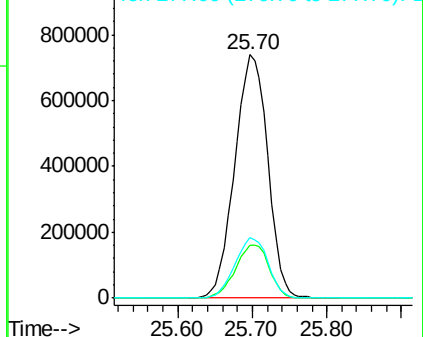
277 25.0 20.6 30.8

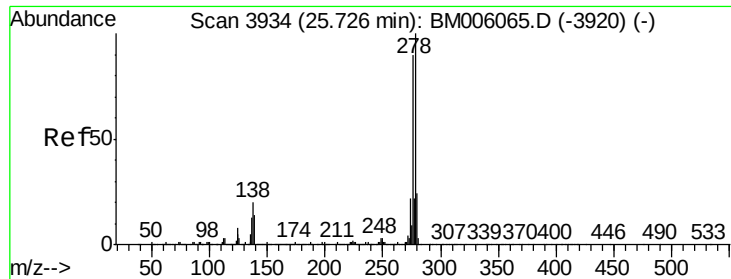


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 18.16 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. -0.02 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Instrument :

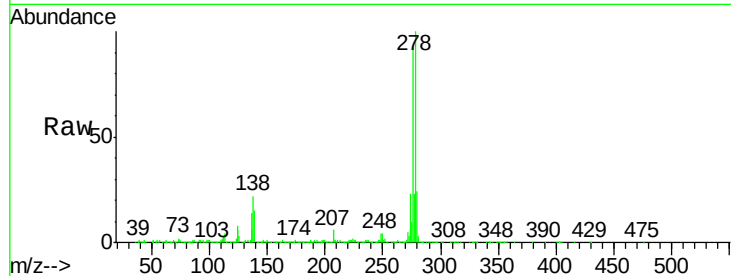
BNA_M

ClientSampleId :

SSTD02039

Tgt Ion:278 Resp: 1908518

Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.0	19.4
279	23.8	18.8	28.2

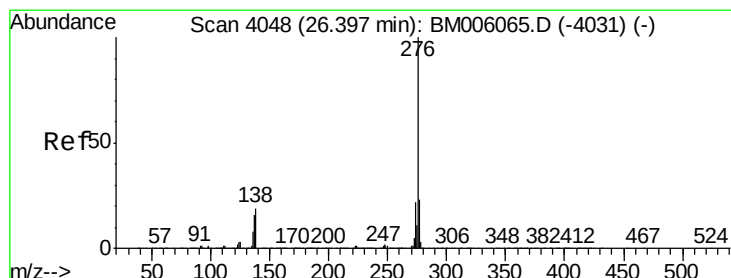
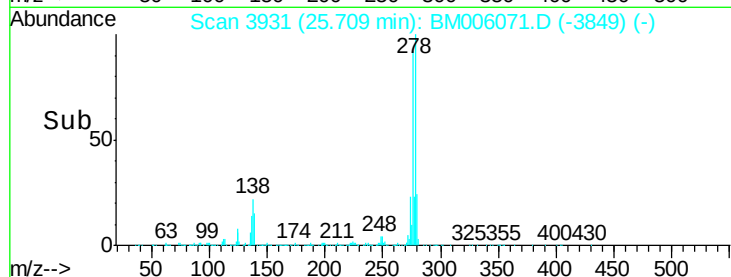
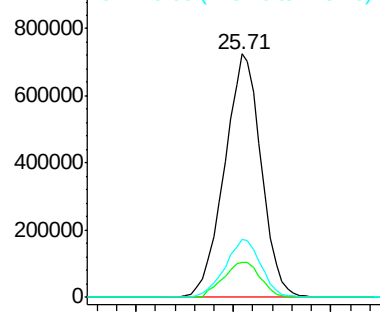


Abundance

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: 17.75 ng/ul

RT: 26.38 min Scan# 4045

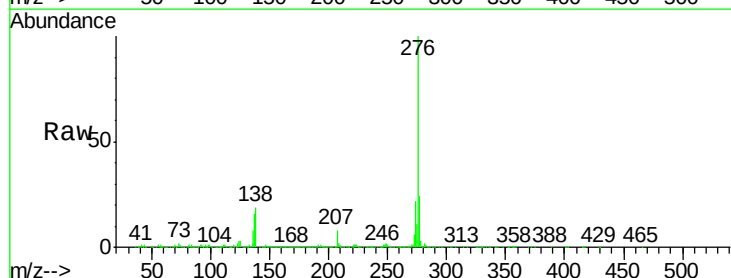
Delta R.T. -0.02 min

Lab File: BM006071.D

Acq: 27 Jun 2016 15:21

Tgt Ion:276 Resp: 1940014

Ion	Ratio	Lower	Upper
276	100		
138	19.1	16.6	25.0
277	23.5	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

