

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062616\
 Data File : BM006033.D
 Acq On : 26 Jun 2016 10:48
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02035

Quant Time: Jun 26 11:18:55 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	99548	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	513849	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	363022	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1034157	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1639794	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	2037899	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	17391	7.80	ng/uL	0.00
3) Phenol-d5	6.83	99	197224	18.83	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	114774	19.70	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	146034	20.02	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	162686	18.40	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	73423	18.77	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	77238	17.74	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	166061	19.89	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	217359	23.99	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	599480	19.29	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	728105	20.20	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	143744	21.68	ng/ul	0.00
21) Fluorene-d10	15.30	176	546213	20.58	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	97306	16.95	ng/ul	0.00
26) Anthracene-d10	17.15	188	975617	20.54	ng/ul	0.00
30) Pyrene-d10	19.44	212	1306622	18.19	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1872869	20.36	ng/ul	0.00

Target Compounds

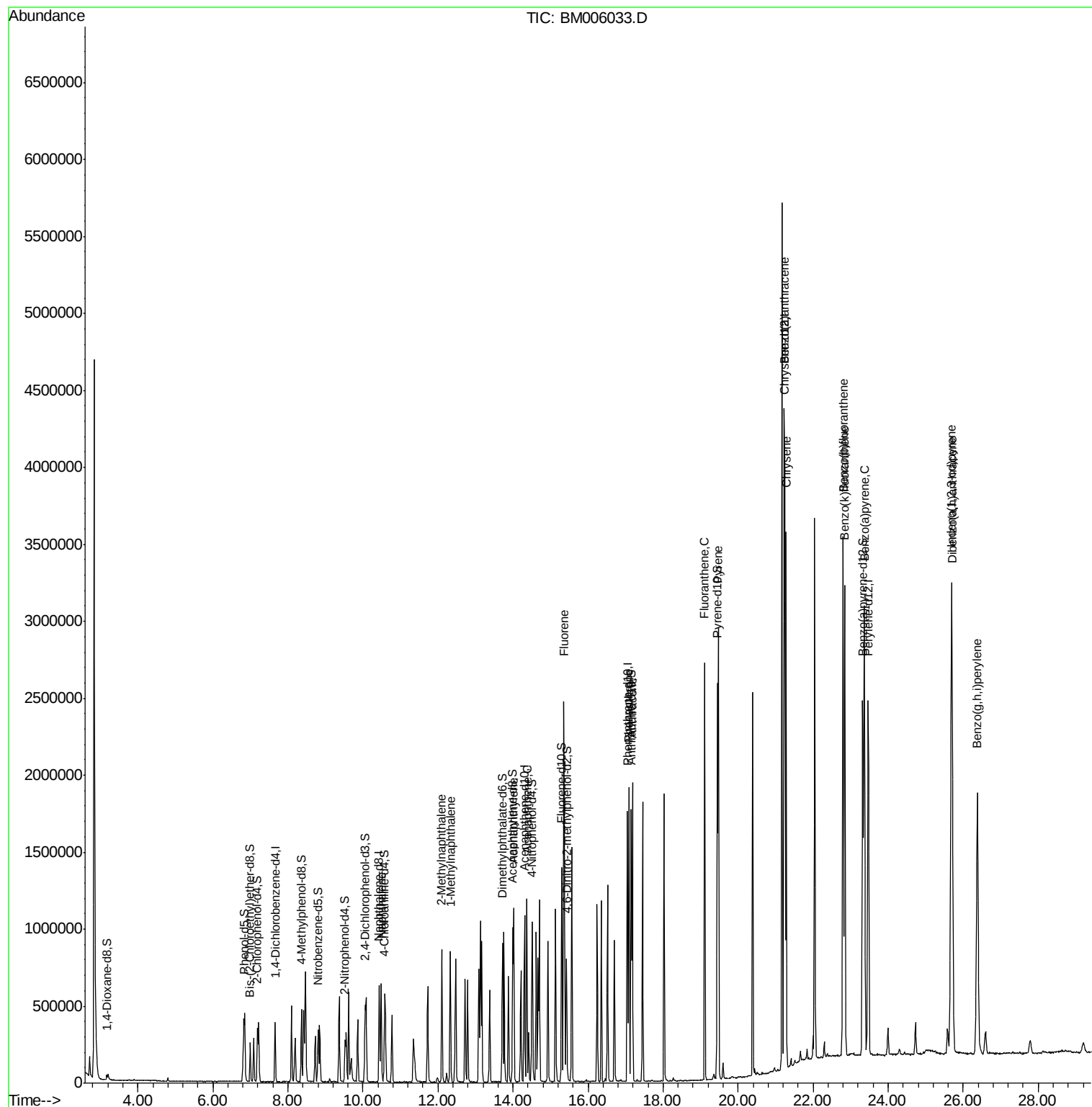
						Qvalue
11) Naphthalene	10.49	128	518319	20.19	ng/ul	99
13) 2-Methylnaphthalene	12.10	142	418448	20.26	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	400119	20.23	ng/ul	100
18) Acenaphthylene	14.02	152	780353	20.53	ng/ul	99
19) Acenaphthene	14.37	153	497433	20.61	ng/ul	98
22) Fluorene	15.36	166	614395	21.13	ng/ul	98
25) Phenanthrene	17.09	178	1152026	20.71	ng/ul	99
27) Anthracene	17.18	178	1187980	20.69	ng/ul	99
28) Fluoranthene	19.11	202	1604066	22.51	ng/ul	99
31) Pyrene	19.47	202	1735407	18.49	ng/ul	99
32) Benzo(a)anthracene	21.23	228	1980412	20.33	ng/ul	99
33) Chrysene	21.28	228	1852482	20.82	ng/ul	99
35) Benzo(b)fluoranthene	22.80	252	2384561	20.14	ng/ul	99
36) Benzo(k)fluoranthene	22.84	252	2223655	20.19	ng/ul	99
38) Benzo(a)pyrene	23.37	252	2330507	20.53	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.69	276	2816561	20.81	ng/ul	98
40) Dibenzo(a,h)anthracene	25.71	278	2341033	20.80	ng/ul	100
41) Benzo(g,h,i)perylene	26.38	276	2417051	20.65	ng/ul	99

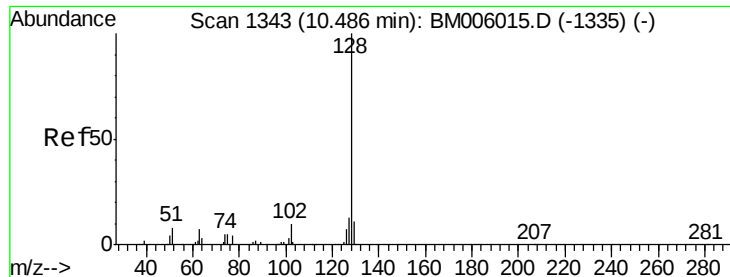
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM062616\
Data File : BM006033.D
Acq On : 26 Jun 2016 10:48
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02035

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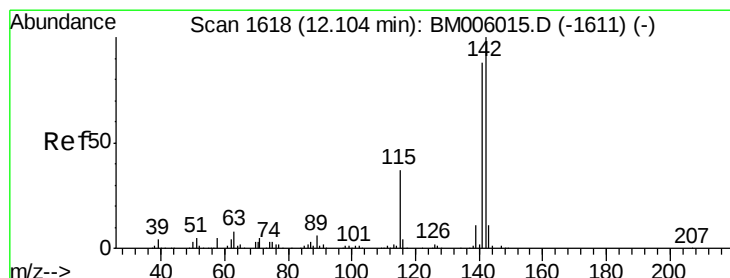
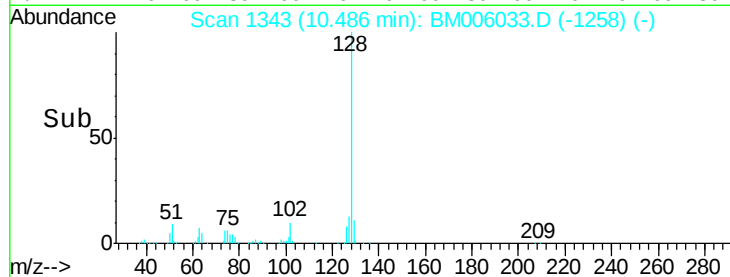
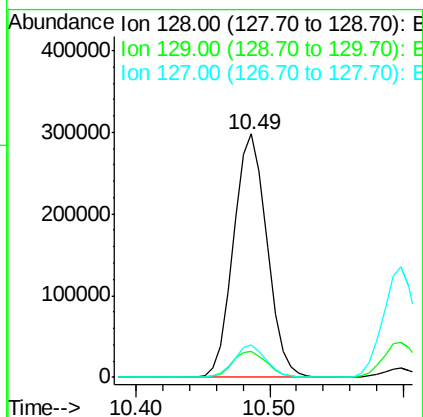
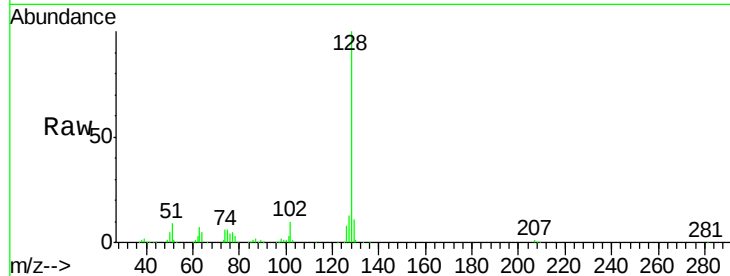




#11
Naphthalene
Concen: 20.19 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006033.D
Acq: 26 Jun 2016 10:48

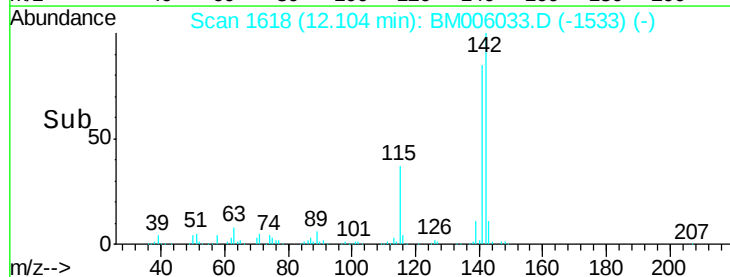
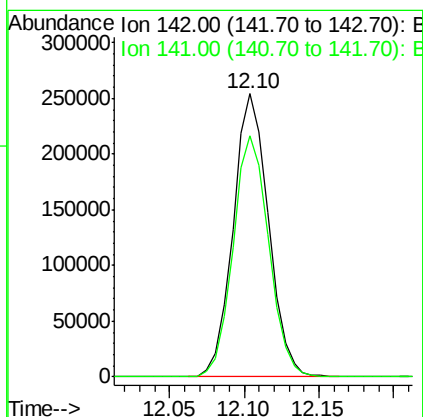
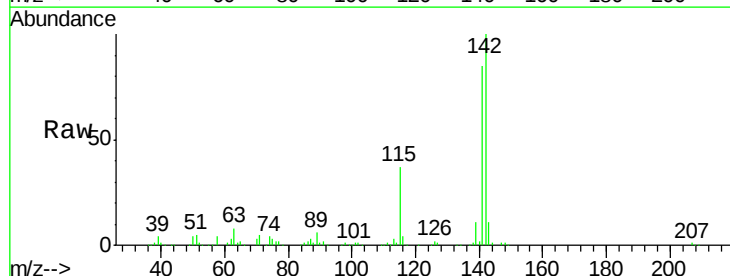
Instrument :
BNA_M
ClientSampleId :
SSTD02035

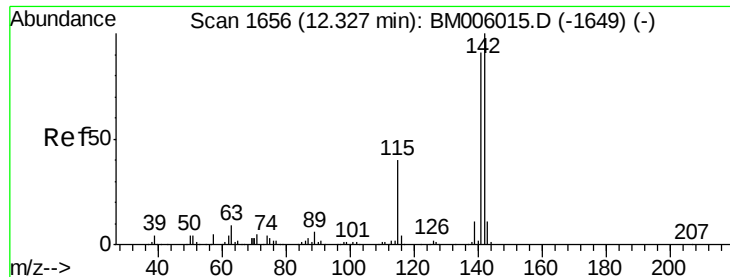
Tgt Ion:128 Resp: 518319
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.2 10.2 15.4



#13
2-Methylnaphthalene
Concen: 20.26 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BM006033.D
Acq: 26 Jun 2016 10:48

Tgt Ion:142 Resp: 418448
Ion Ratio Lower Upper
142 100
141 85.3 69.4 104.2

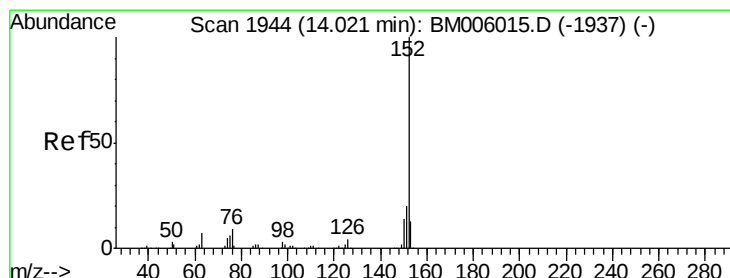
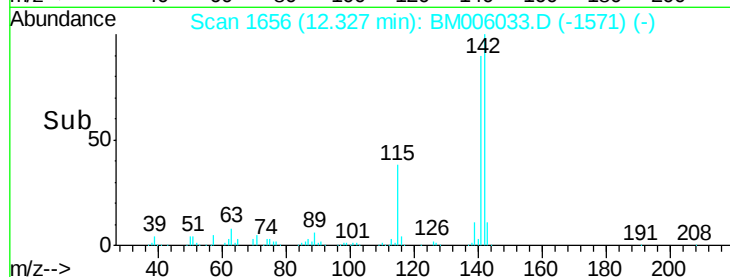
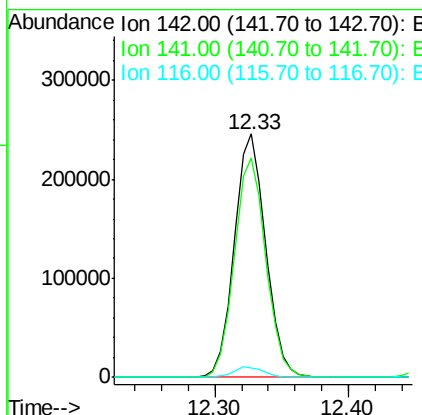
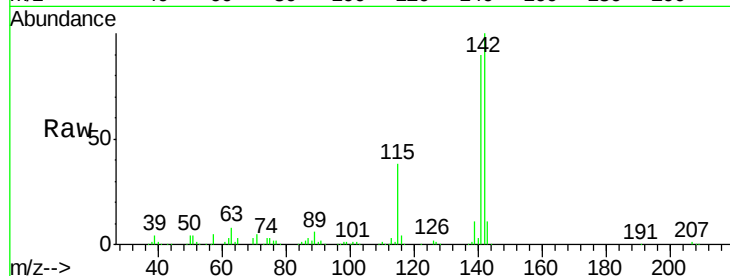




#14
1-Methylnaphthalene
Concen: 20.23 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BM006033.D
Acq: 26 Jun 2016 10:48

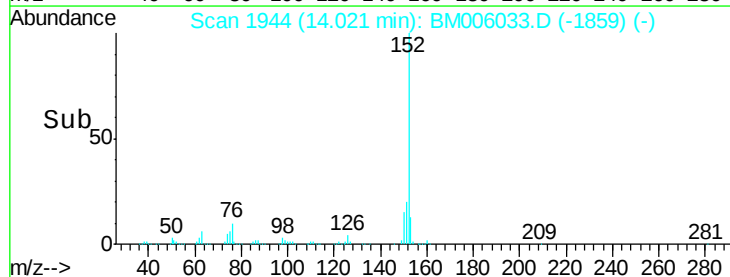
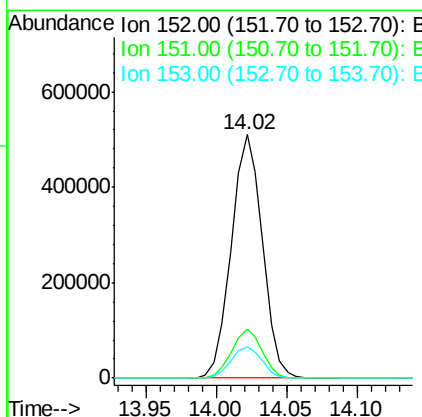
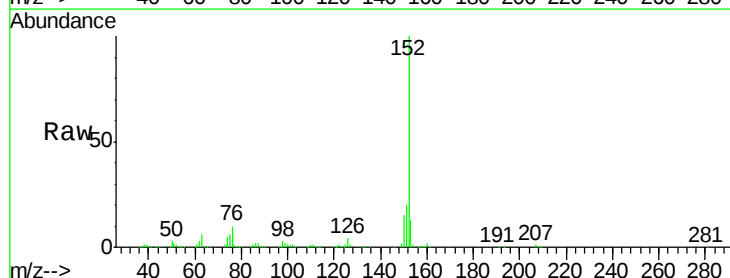
Instrument :
BNA_M
ClientSampleId :
SSTD02035

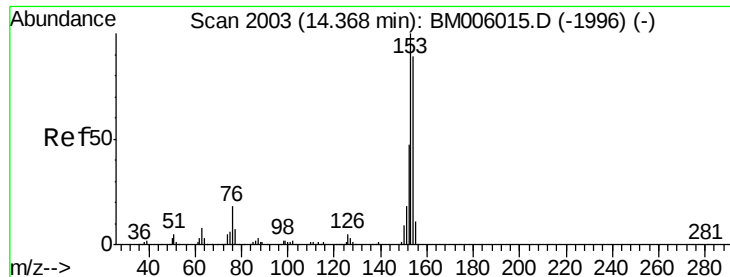
Tgt Ion:142 Resp: 400119
Ion Ratio Lower Upper
142 100
141 90.1 72.3 108.5
116 3.9 3.4 5.0



#18
Acenaphthylene
Concen: 20.53 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM006033.D
Acq: 26 Jun 2016 10:48

Tgt Ion:152 Resp: 780353
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.0 10.5 15.7





#19

Acenaphthene

Concen: 20.61 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

Instrument :

BNA_M

ClientSampleId :

SSTD02035

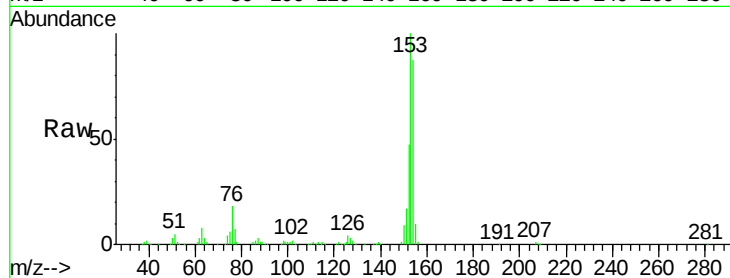
Tgt Ion:153 Resp: 497433

Ion Ratio Lower Upper

153 100

152 46.7 38.6 57.8

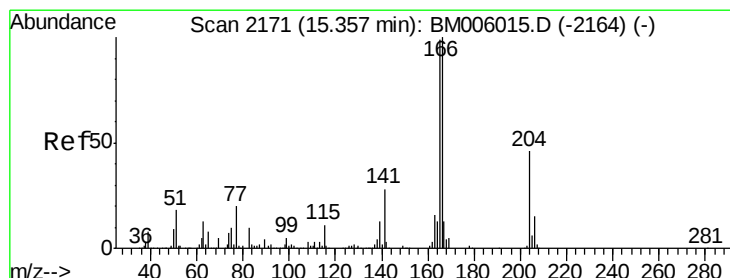
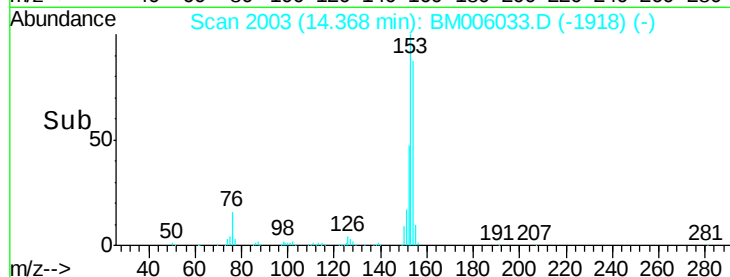
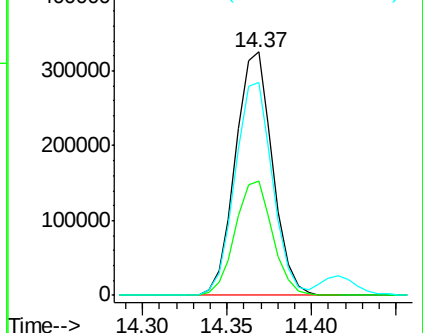
154 87.3 70.7 106.1



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: 21.13 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

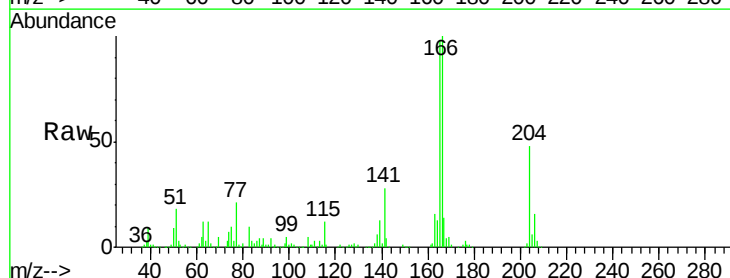
Tgt Ion:166 Resp: 614395

Ion Ratio Lower Upper

166 100

165 98.2 76.8 115.2

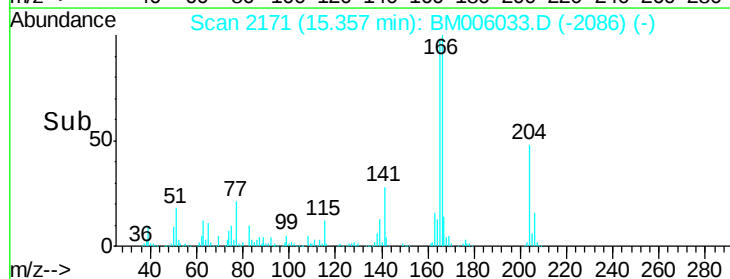
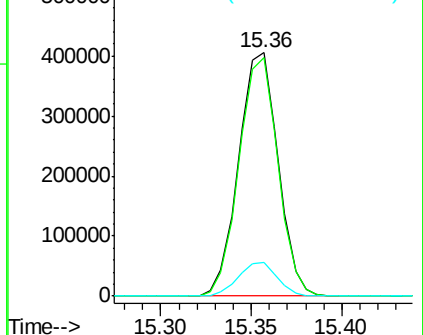
167 13.7 10.8 16.2

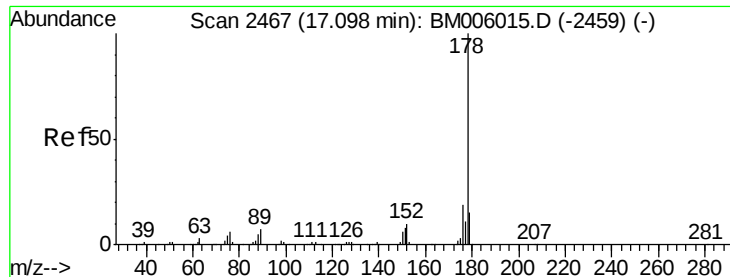


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.71 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

Instrument :

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ClientSampleId :

SSTD02035

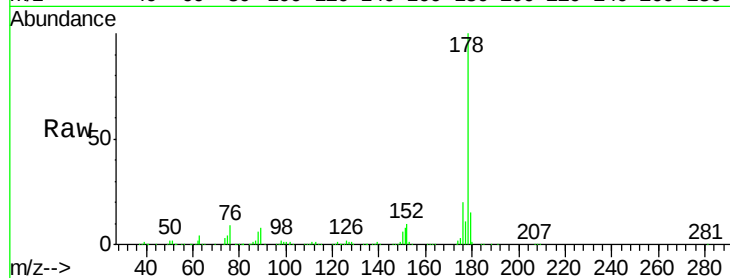
Tgt Ion:178 Resp: 1152026

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

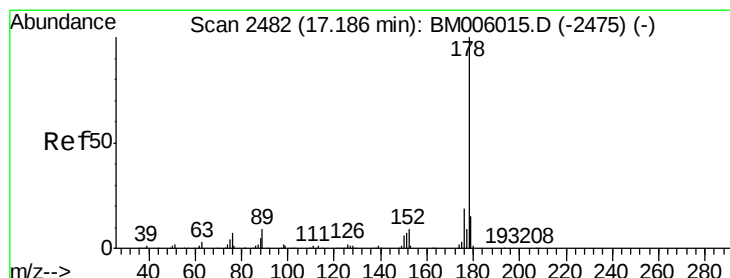
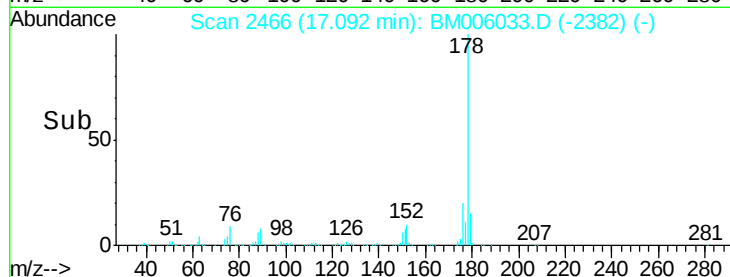
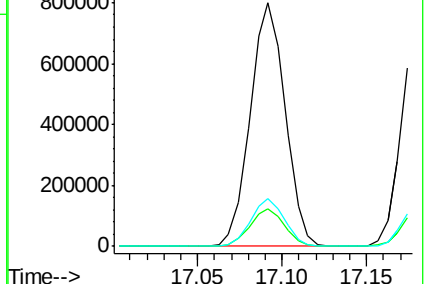
176 19.7 15.4 23.0



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: 20.69 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

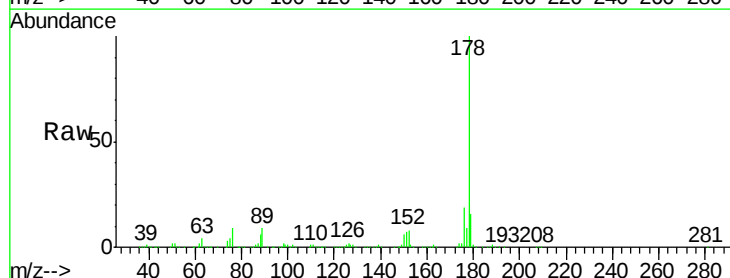
Tgt Ion:178 Resp: 1187980

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

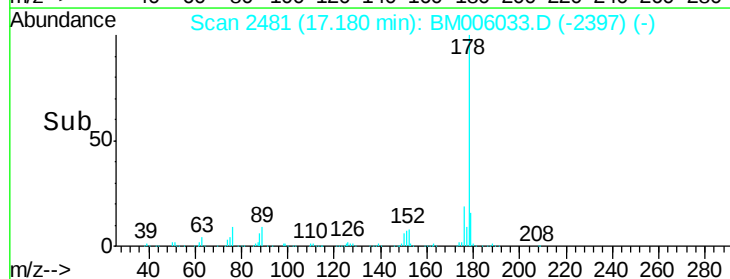
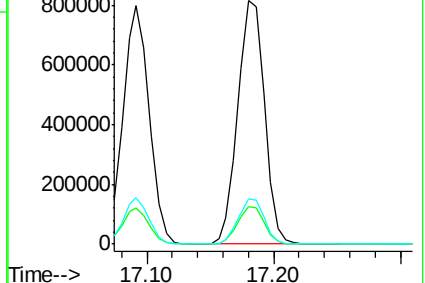
176 18.8 14.9 22.3

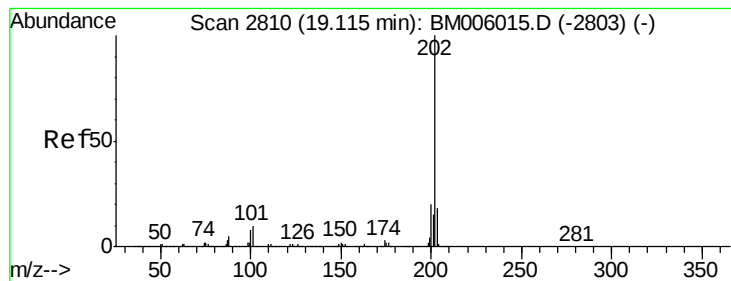


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 22.51 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

Instrument :

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ClientSampleId :

SSTD02035

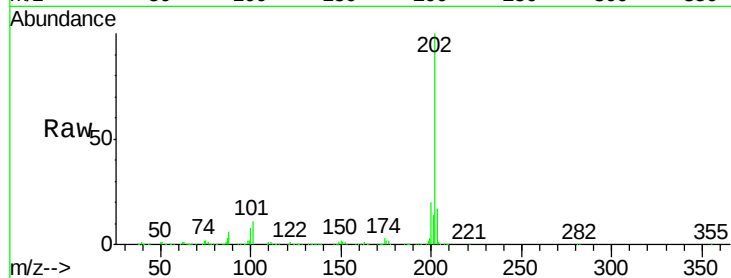
Tgt Ion:202 Resp: 1604066

Ion Ratio Lower Upper

202 100

101 10.7 8.2 12.4

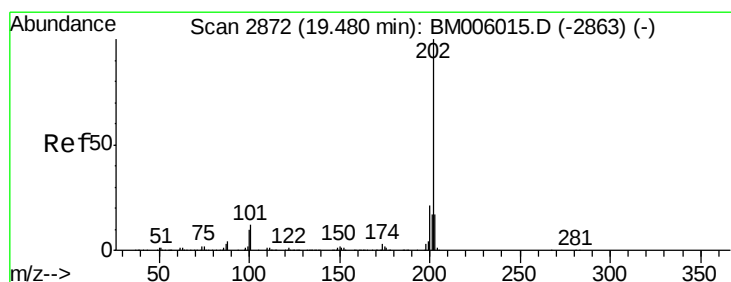
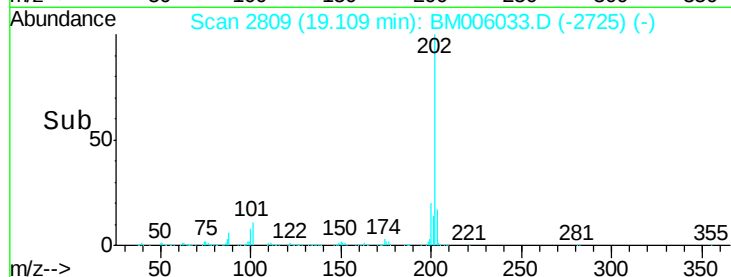
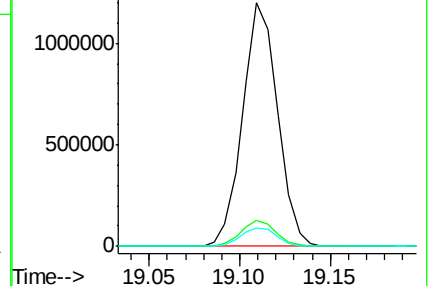
100 7.8 6.3 9.5



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: 18.49 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

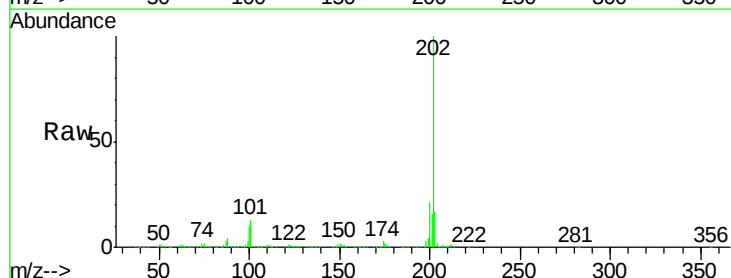
Tgt Ion:202 Resp: 1735407

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.6

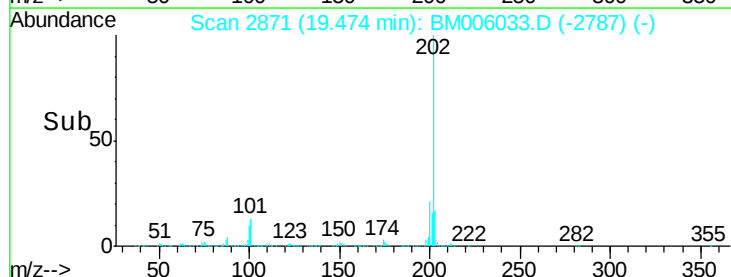
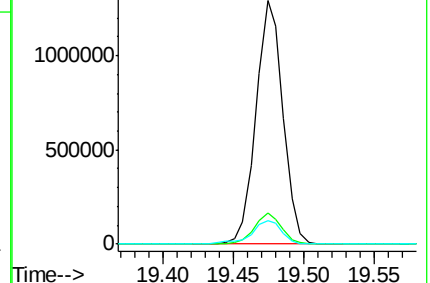
100 9.9 8.2 12.2

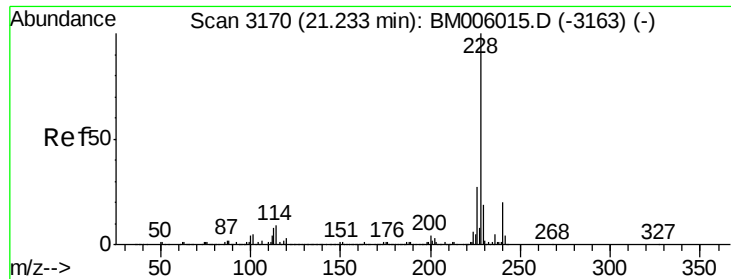


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.33 ng/ul

RT: 21.23 min Scan# 3169

Delta R.T. -0.01 min

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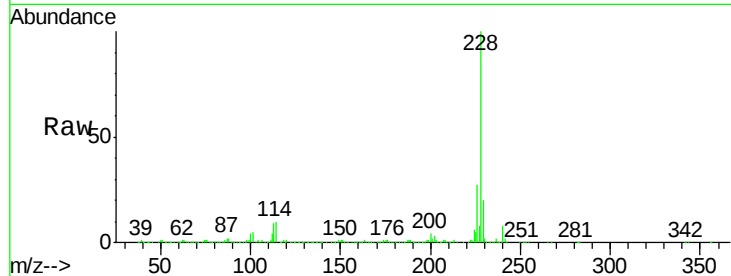
Tgt Ion:228 Resp: 1980412

Ion Ratio Lower Upper

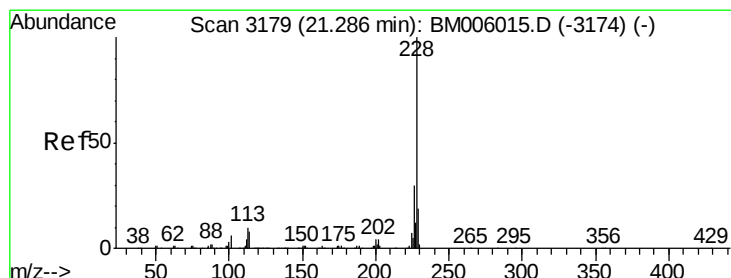
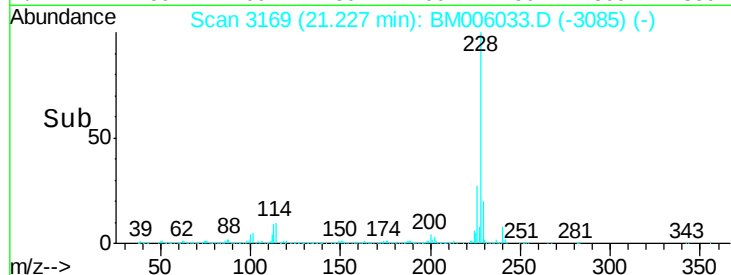
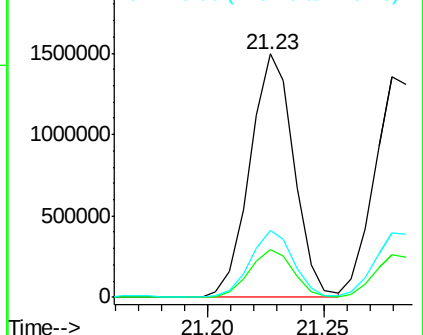
228 100

229 19.7 15.8 23.6

226 27.4 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: 20.82 ng/ul

RT: 21.28 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

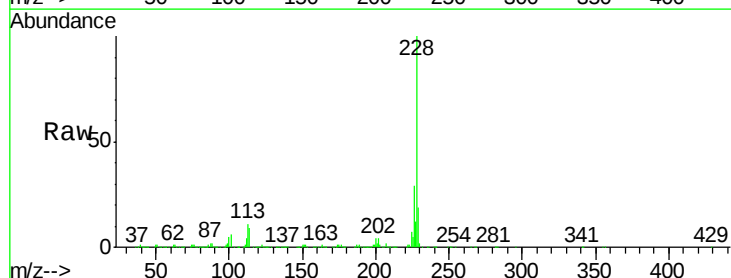
Tgt Ion:228 Resp: 1852482

Ion Ratio Lower Upper

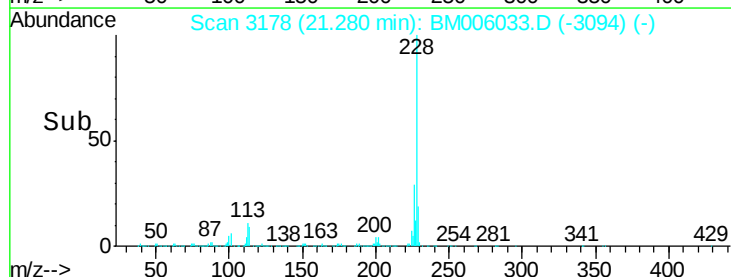
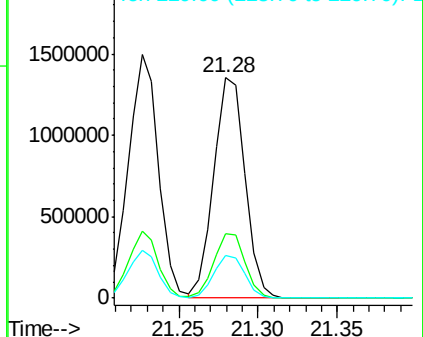
228 100

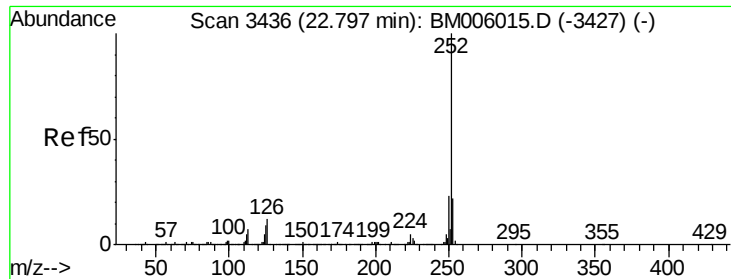
226 29.5 24.3 36.5

229 19.4 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: 20.14 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

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SSTD02035

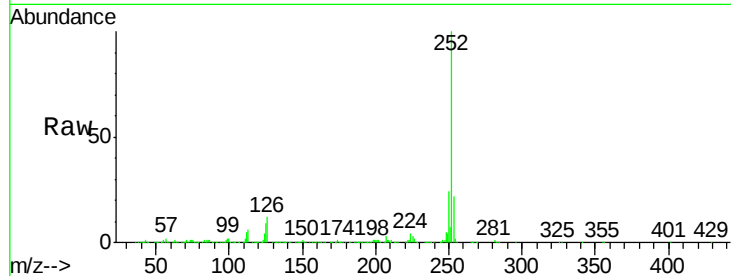
Tgt Ion:252 Resp: 2384561

Ion Ratio Lower Upper

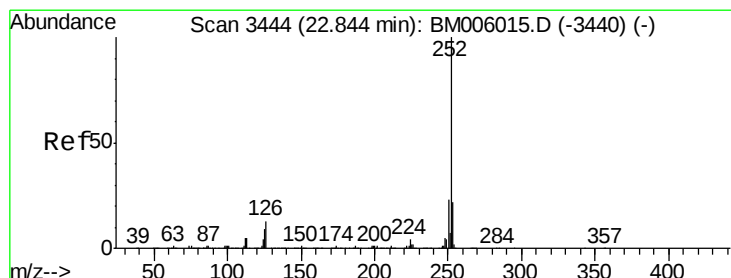
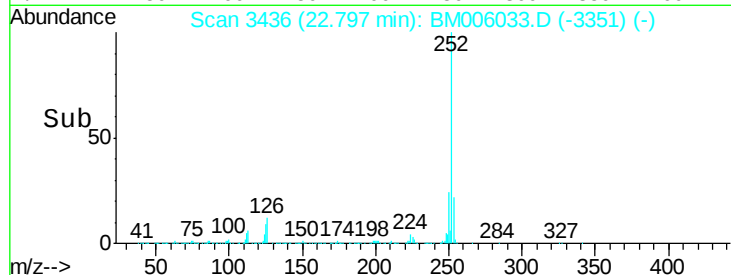
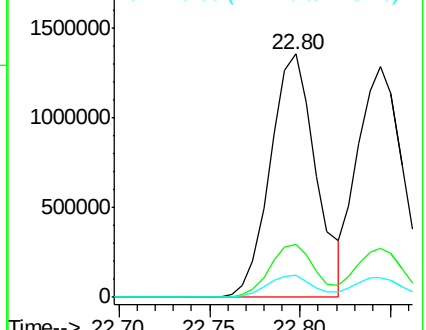
252 100

253 21.9 17.2 25.8

125 8.9 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: 20.19 ng/ul

RT: 22.84 min Scan# 3444

Delta R.T. 0.00 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

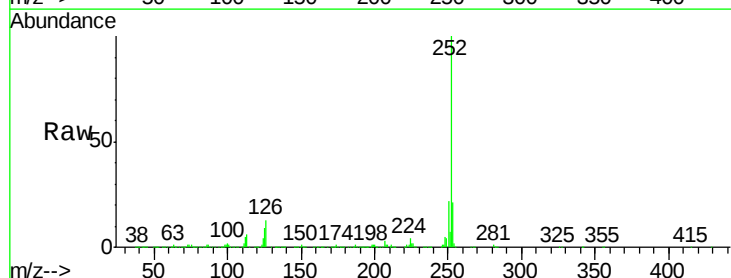
Tgt Ion:252 Resp: 2223655

Ion Ratio Lower Upper

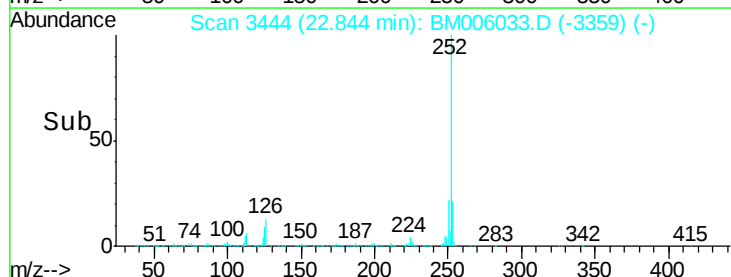
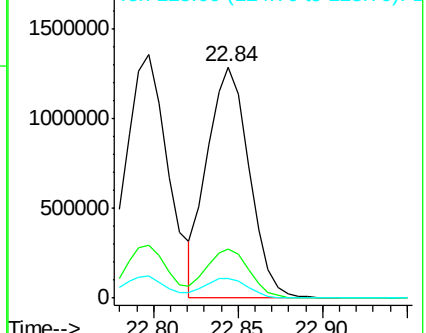
252 100

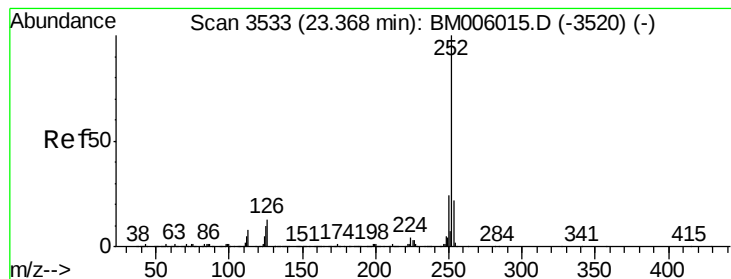
253 21.2 17.3 25.9

125 8.7 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: 20.53 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

Instrument :

BNA_M

ClientSampleId :

SSTD02035

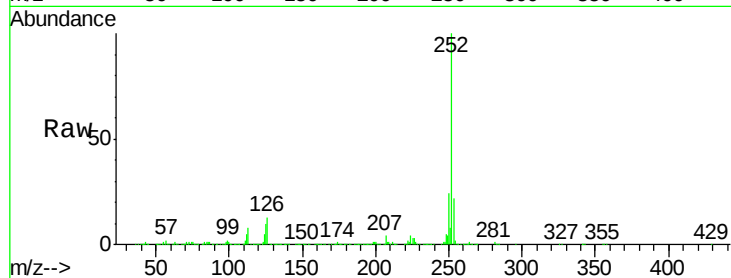
Tgt Ion:252 Resp: 2330507

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

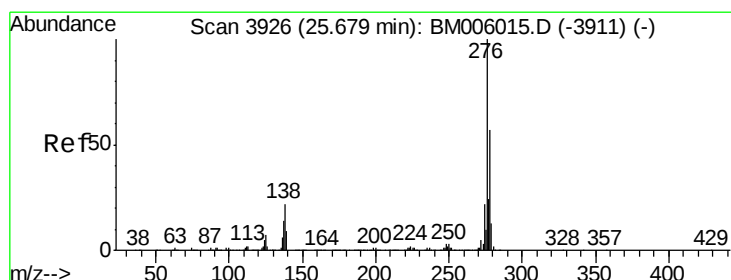
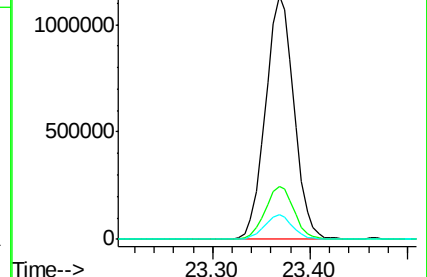
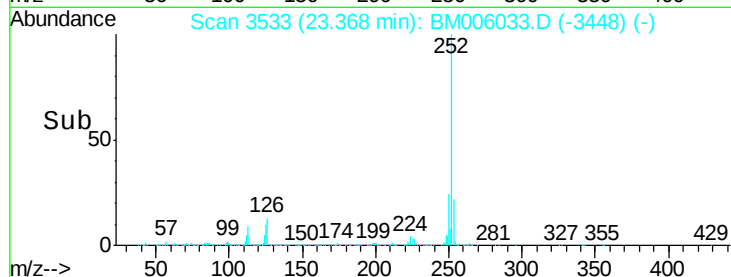
125 10.1 7.8 11.6



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: 20.81 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. 0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

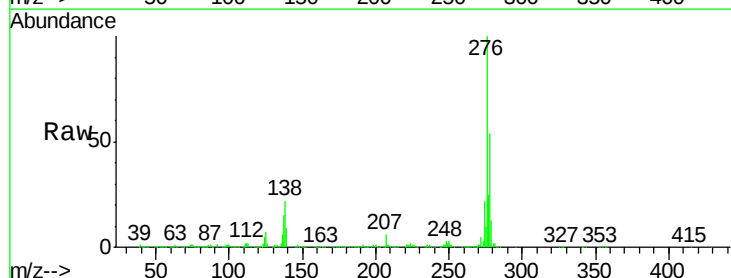
Tgt Ion:276 Resp: 2816561

Ion Ratio Lower Upper

276 100

138 22.2 16.6 25.0

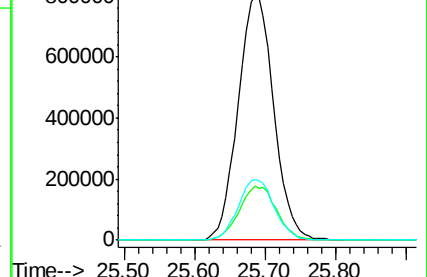
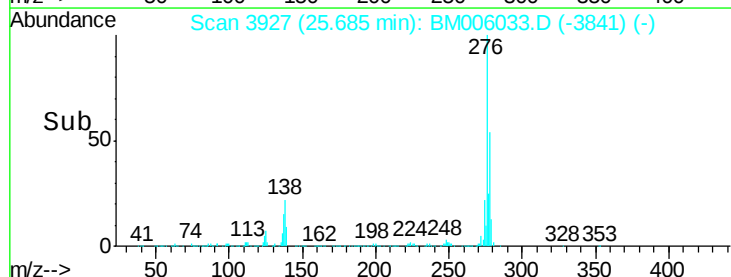
277 24.9 19.6 29.4

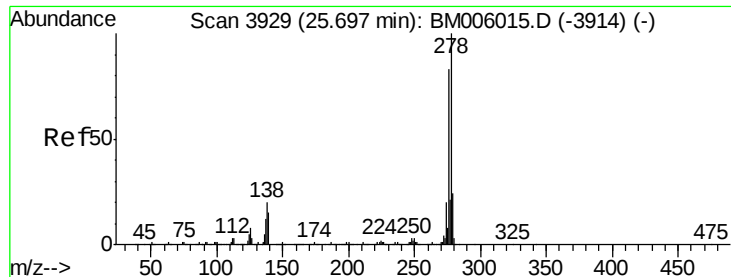


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 20.80 ng/ul

RT: 25.71 min Scan# 3931

Delta R.T. 0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

Instrument :

BNA_M

ClientSampleId :

SSTD02035

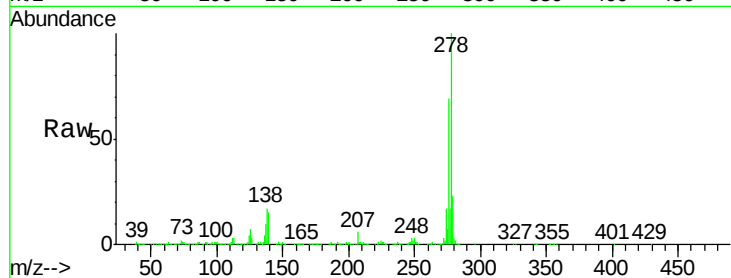
Tgt Ion:278 Resp: 2341033

Ion Ratio Lower Upper

278 100

139 14.6 11.4 17.2

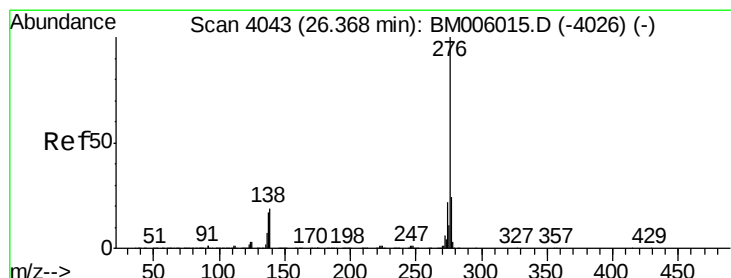
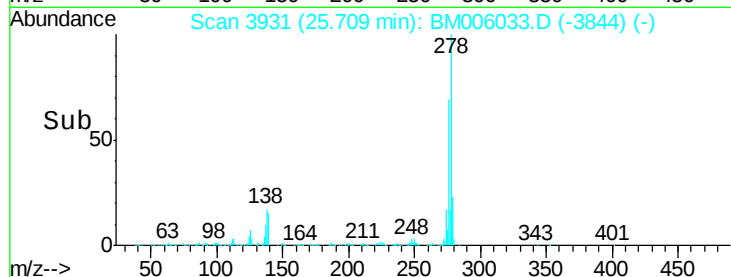
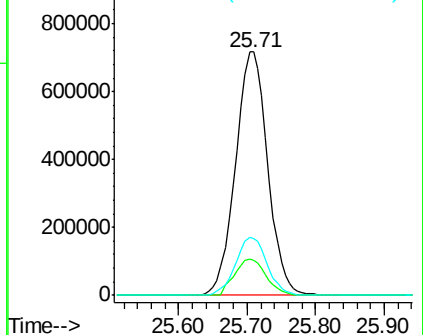
279 23.4 18.8 28.2



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: 20.65 ng/ul

RT: 26.38 min Scan# 4045

Delta R.T. 0.01 min

Lab File: BM006033.D

Acq: 26 Jun 2016 10:48

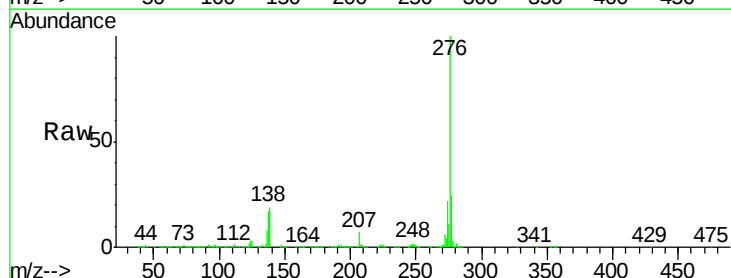
Tgt Ion:276 Resp: 2417051

Ion Ratio Lower Upper

276 100

138 19.3 15.9 23.9

277 23.5 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

