

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM005996.D
 Acq On : 25 Jun 2016 12:02
 Operator : UM/SJ
 Sample : SSTD04062
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04062

Quant Time: Jun 26 04:22:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 26 04:20:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	97288	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	550760	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	411672	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1118366	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1426162	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1691742	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	31999	13.68	ng/uL	0.00
3) Phenol-d5	6.83	99	424448	41.47	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	232461	40.83	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	295108	41.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	366681	42.44	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	165025	39.36	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	187557	40.20	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	364931	40.77	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	427388	44.01	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1378946	39.13	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1608351	39.35	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	313707	41.73	ng/ul	0.00
21) Fluorene-d10	15.30	176	1166388	38.76	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	260140	41.90	ng/ul	0.00
26) Anthracene-d10	17.15	188	1989854	38.74	ng/ul	0.00
30) Pyrene-d10	19.45	212	2394256	38.32	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	2963536	38.80	ng/ul	0.00

Target Compounds

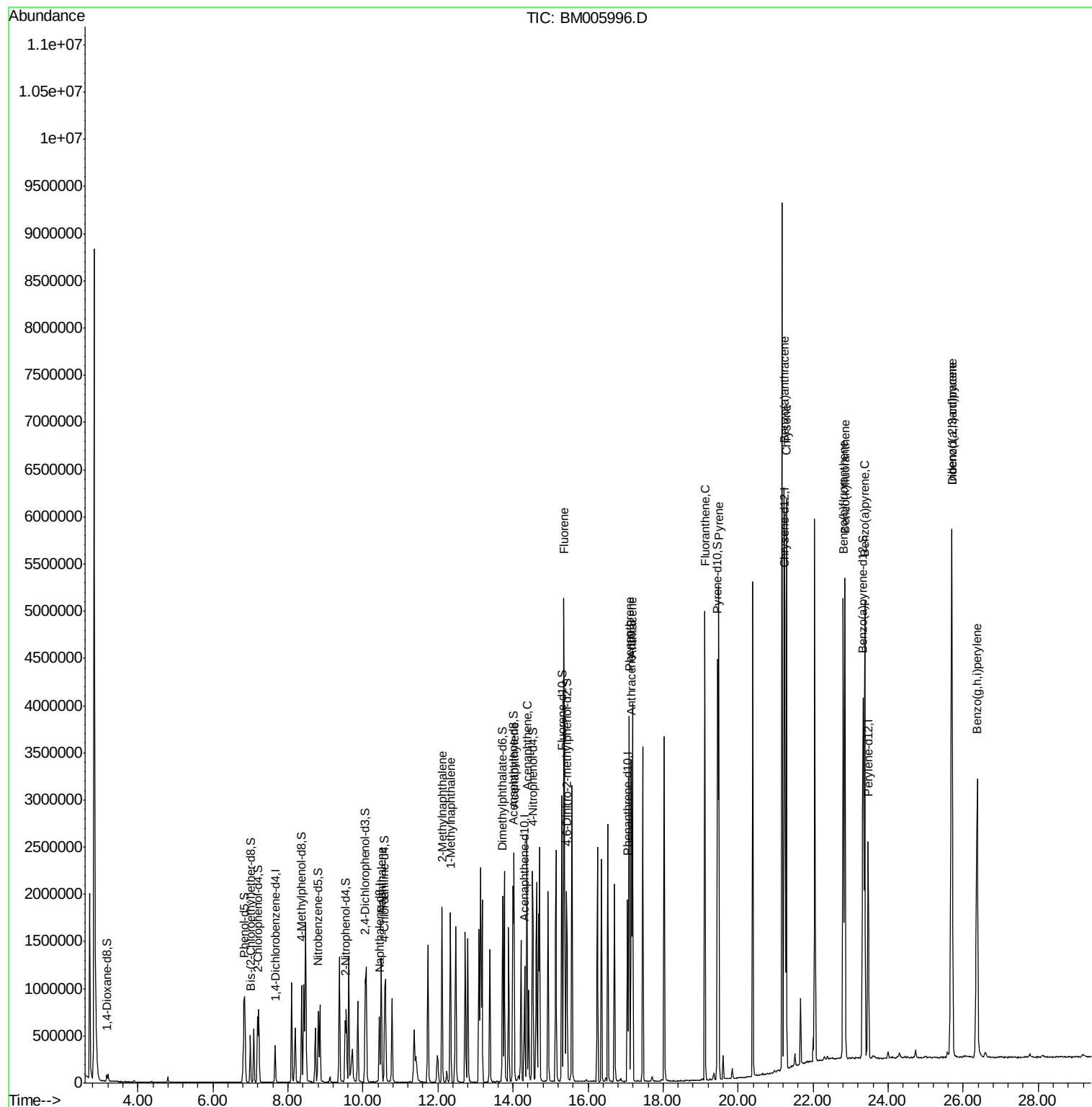
						Qvalue
11) Naphthalene	10.49	128	1069586	38.87	ng/ul	100
13) 2-Methylnaphthalene	12.11	142	894601	40.40	ng/ul	99
14) 1-Methylnaphthalene	12.33	142	848929	40.05	ng/ul	99
18) Acenaphthylene	14.03	152	1676735	38.91	ng/ul	99
19) Acenaphthene	14.37	153	1067182	38.98	ng/ul	98
22) Fluorene	15.36	166	1280807	38.84	ng/ul	98
25) Phenanthrene	17.10	178	2332157	38.77	ng/ul	100
27) Anthracene	17.19	178	2393277	38.53	ng/ul	99
28) Fluoranthene	19.12	202	3001205	38.95	ng/ul	99
31) Pyrene	19.48	202	3114444	38.15	ng/ul	99
32) Benzo(a)anthracene	21.23	228	3262147	38.51	ng/ul	99
33) Chrysene	21.29	228	2933061	37.90	ng/ul	99
35) Benzo(b)fluoranthene	22.80	252	3800631	38.67	ng/ul	99
36) Benzo(k)fluoranthene	22.85	252	3425797	37.47	ng/ul	99
38) Benzo(a)pyrene	23.37	252	3594068	38.14	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.69	276	4334170	38.58	ng/ul	98
40) Dibenzo(a,h)anthracene	25.70	278	3565805	38.17	ng/ul	99
41) Benzo(g,h,i)perylene	26.37	276	3876665	39.90	ng/ul	100

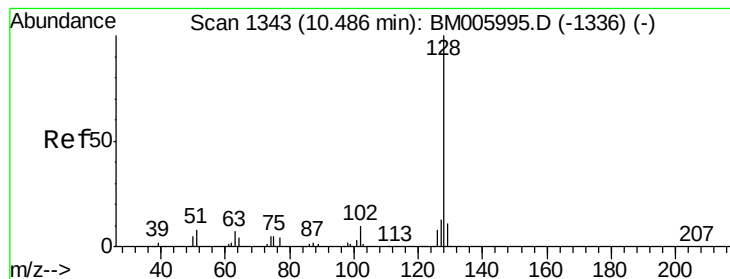
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 38.87 ng/ul

RT: 10.49 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SSTD04062

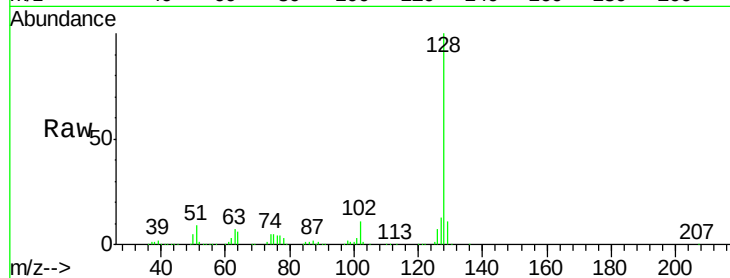
Tgt Ion:128 Resp: 1069586

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

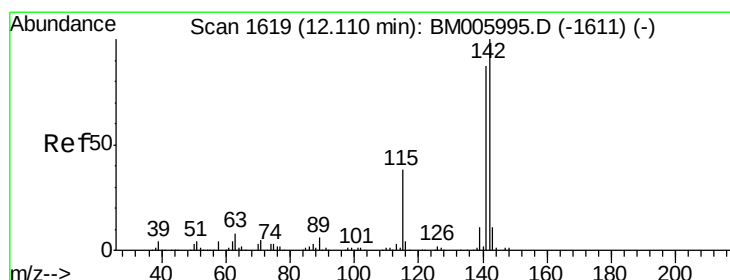
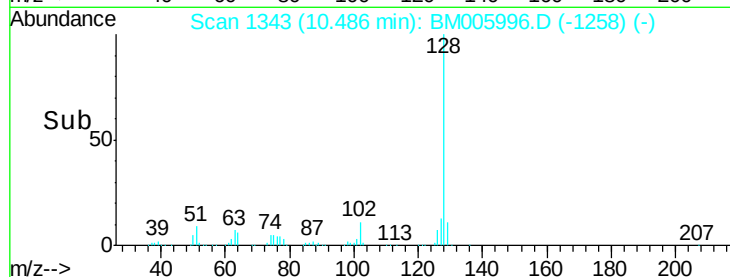
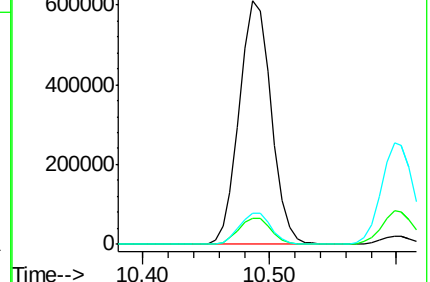
127 12.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

2-Methylnaphthalene

Concen: 40.40 ng/ul

RT: 12.11 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BM005996.D

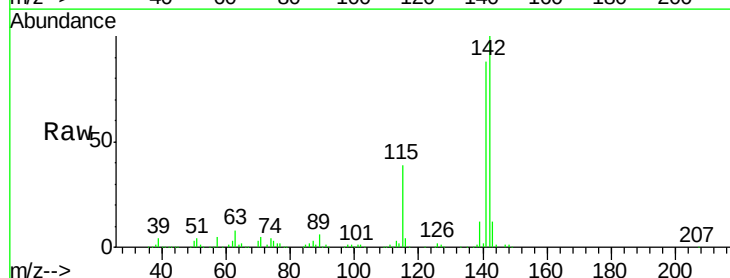
Acq: 25 Jun 2016 12:02

Tgt Ion:142 Resp: 894601

Ion Ratio Lower Upper

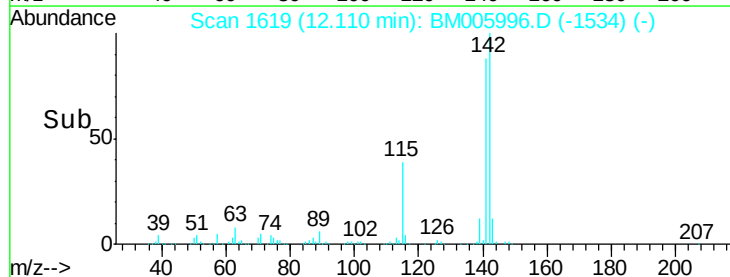
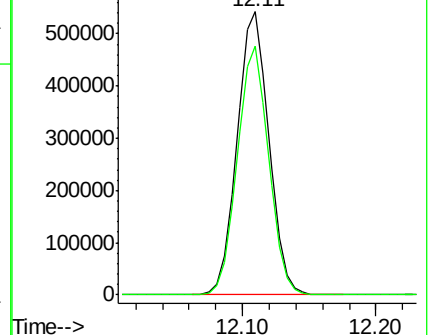
142 100

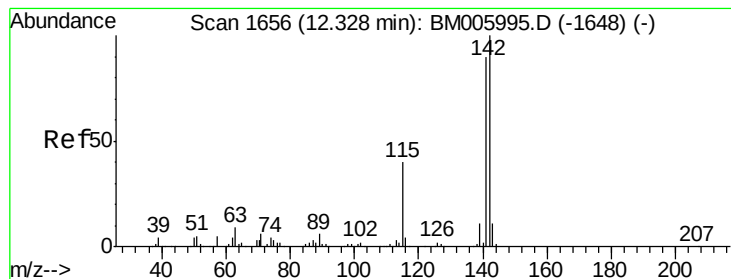
141 87.8 69.4 104.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 40.05 ng/ul

RT: 12.33 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SSTD04062

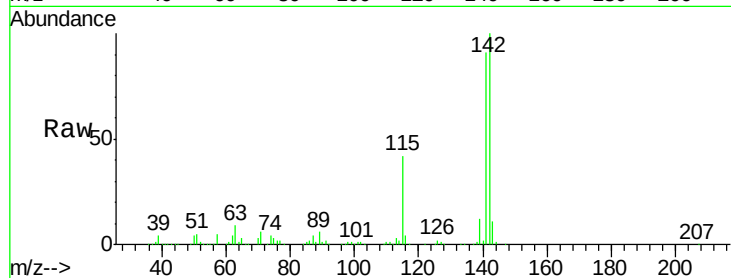
Tgt Ion:142 Resp: 848929

Ion Ratio Lower Upper

142 100

141 90.9 72.3 108.5

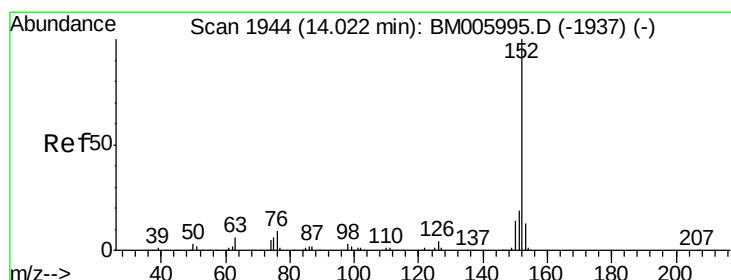
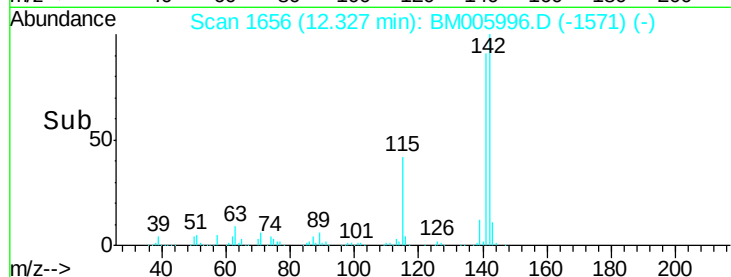
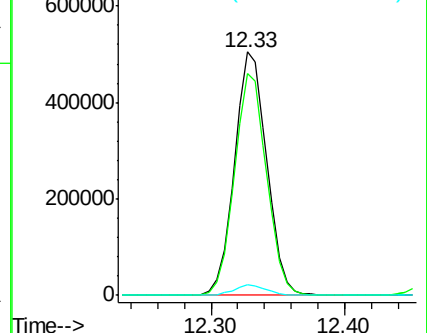
116 4.3 3.4 5.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#18

Acenaphthylene

Concen: 38.91 ng/ul

RT: 14.03 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

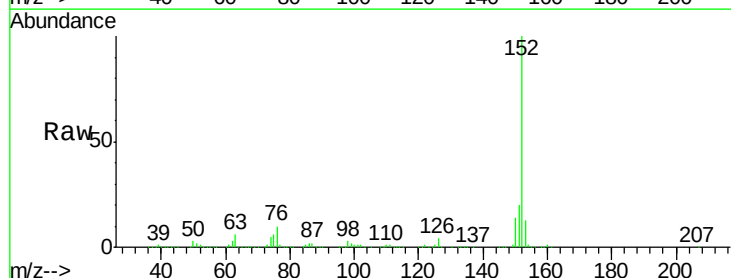
Tgt Ion:152 Resp: 1676735

Ion Ratio Lower Upper

152 100

151 19.9 15.5 23.3

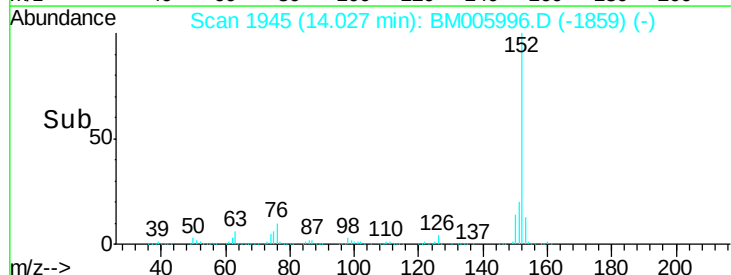
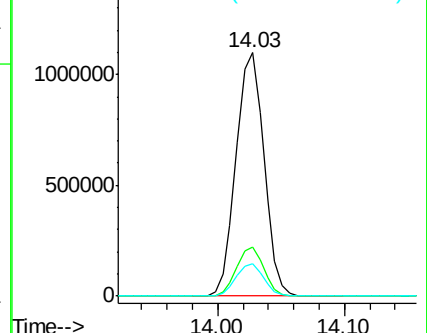
153 13.1 10.5 15.7

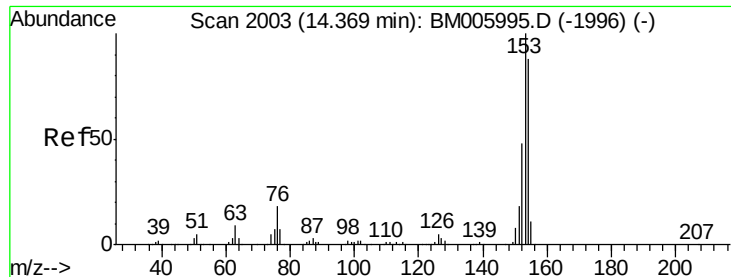


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 38.98 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SSTD04062

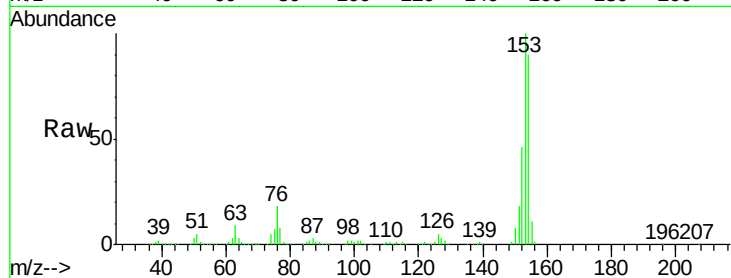
Tgt Ion:153 Resp: 1067182

Ion Ratio Lower Upper

153 100

152 46.4 38.6 57.8

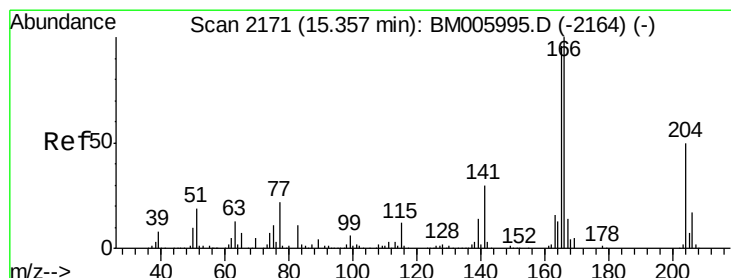
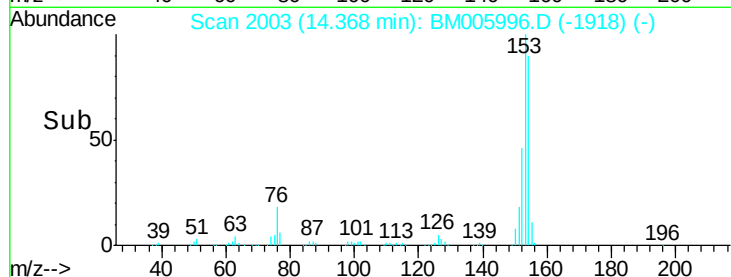
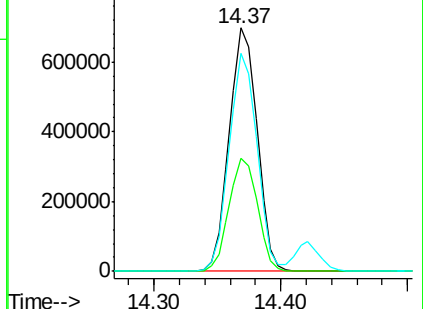
154 89.7 70.7 106.1



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: 38.84 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

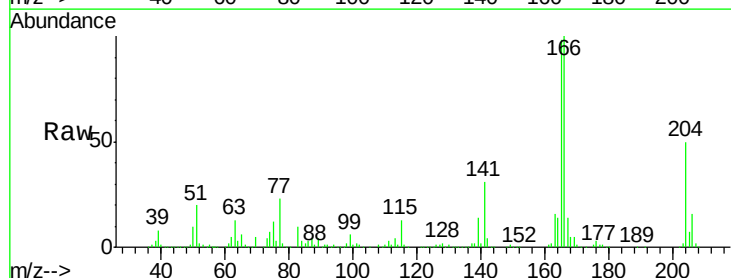
Tgt Ion:166 Resp: 1280807

Ion Ratio Lower Upper

166 100

165 98.1 76.8 115.2

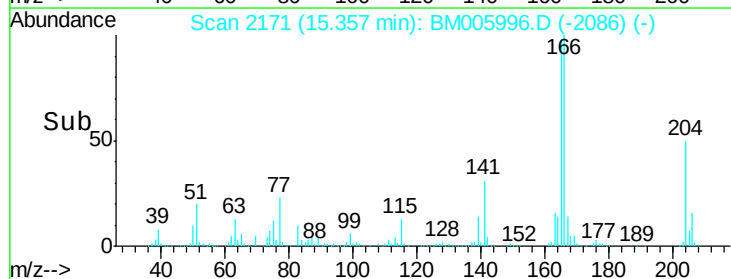
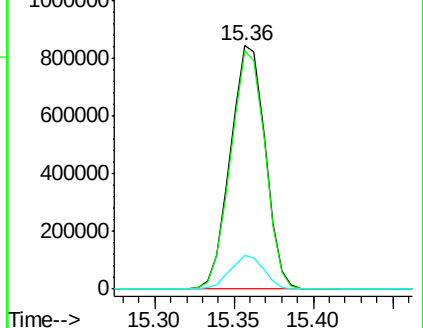
167 13.7 10.8 16.2

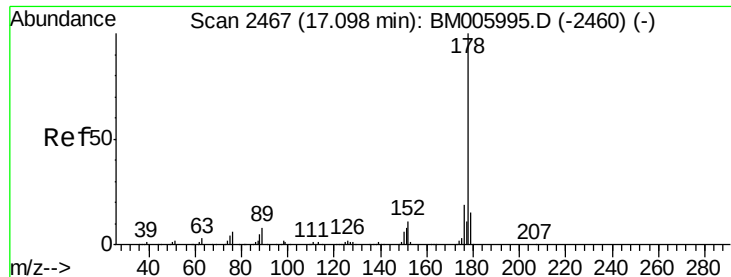


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 38.77 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SSTD04062

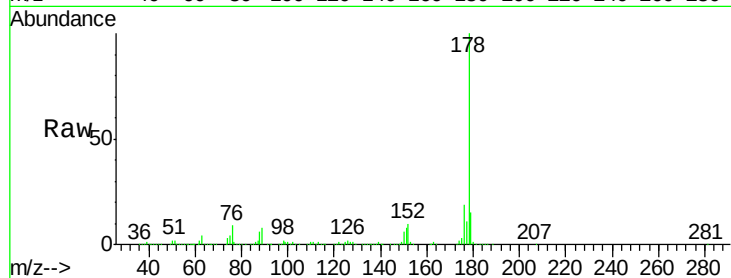
Tgt Ion:178 Resp: 2332157

Ion Ratio Lower Upper

178 100

179 15.0 12.1 18.1

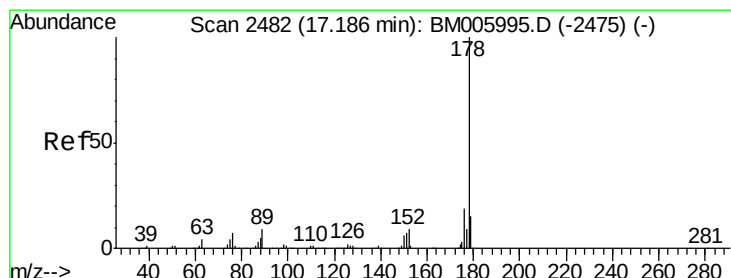
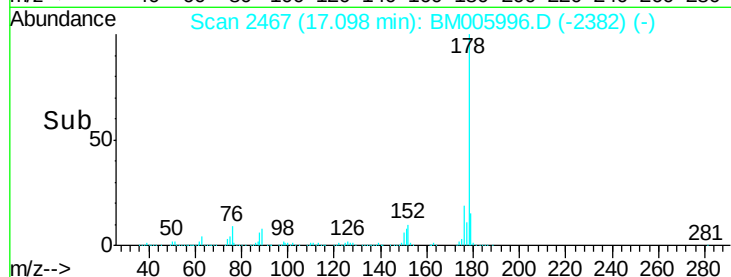
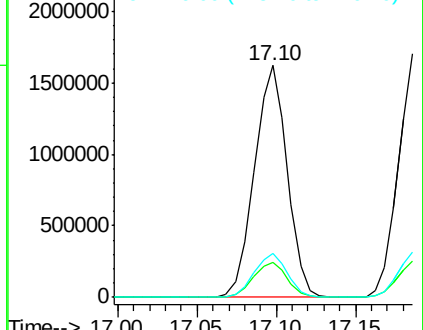
176 19.2 15.4 23.0



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: 38.53 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

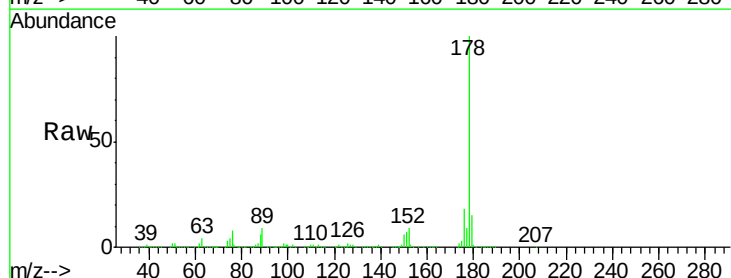
Tgt Ion:178 Resp: 2393277

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

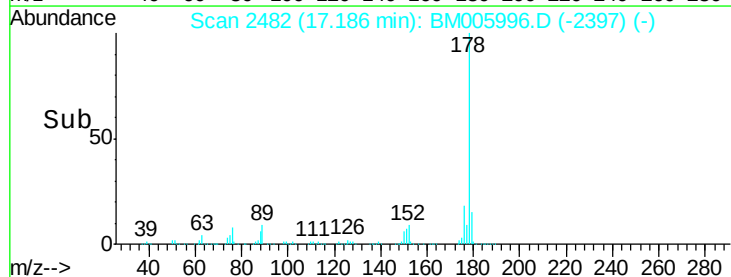
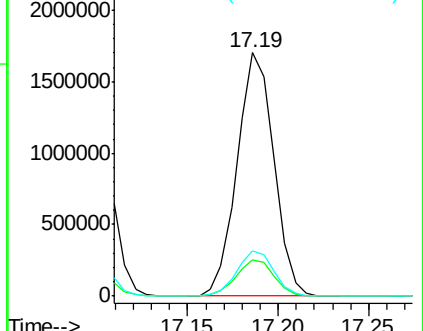
176 18.4 14.9 22.3

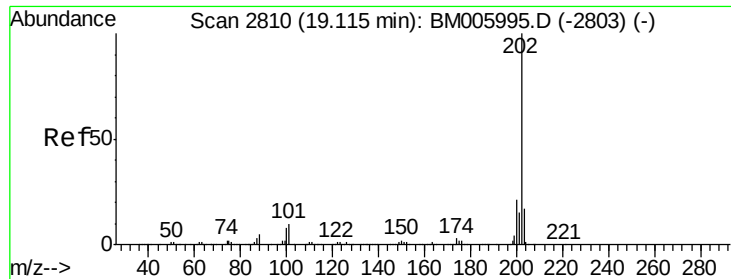


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

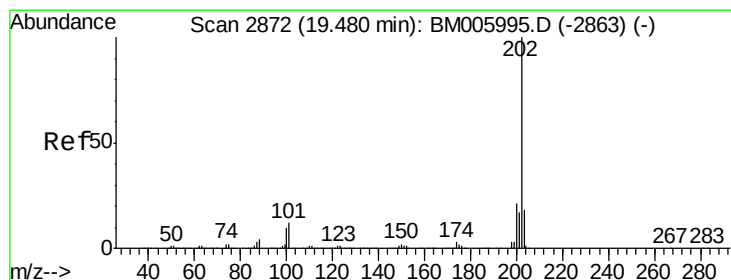
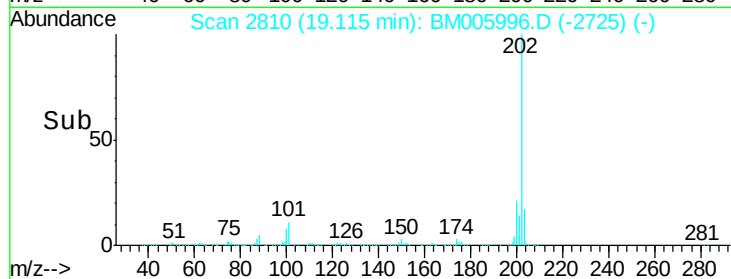
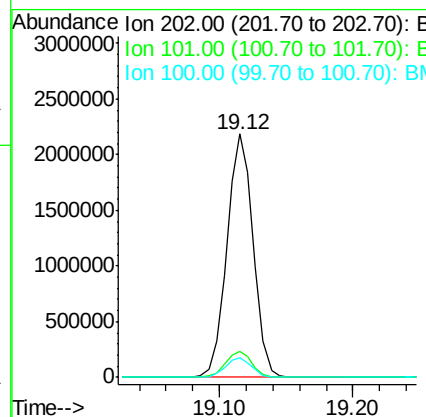
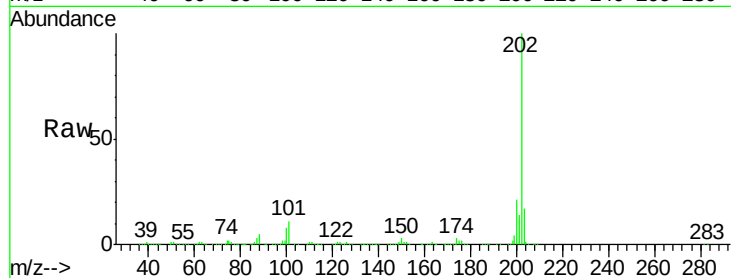




#28
Fluoranthene
Concen: 38.95 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BM005996.D
Acq: 25 Jun 2016 12:02

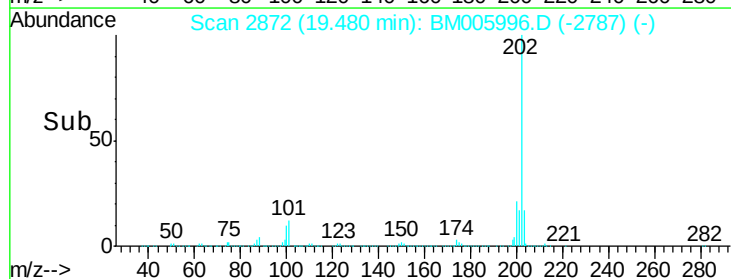
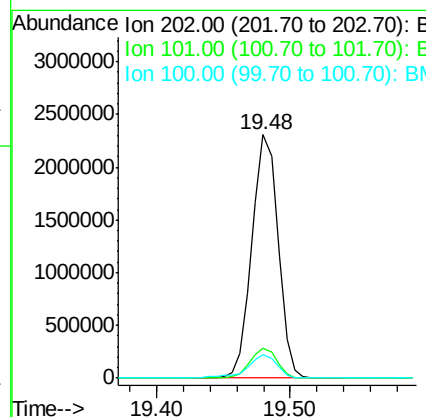
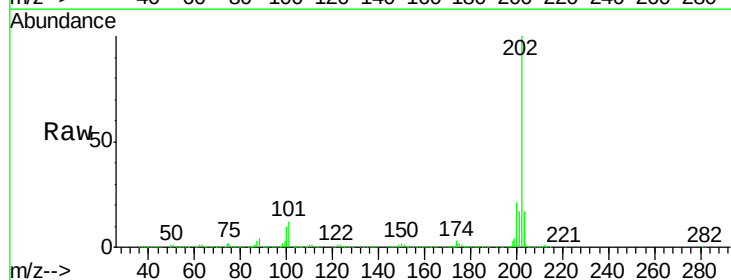
Instrument :
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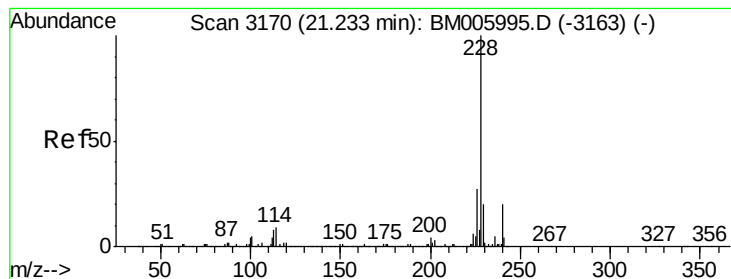
Tgt Ion:202 Resp: 3001205
Ion Ratio Lower Upper
202 100
101 10.6 8.2 12.4
100 8.0 6.3 9.5



#31
Pyrene
Concen: 38.15 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM005996.D
Acq: 25 Jun 2016 12:02

Tgt Ion:202 Resp: 3114444
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.6
100 9.8 8.2 12.2





#32

Benzo(a)anthracene

Concen: 38.51 ng/ul

RT: 21.23 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

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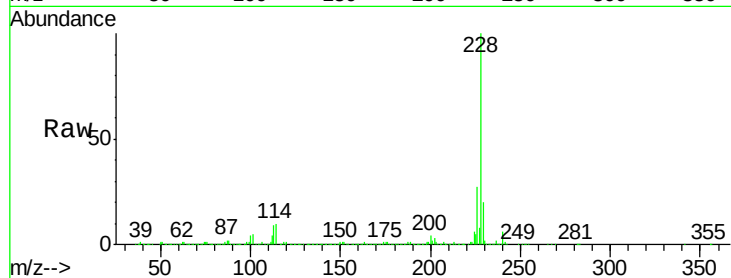
Tgt Ion:228 Resp: 3262147

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.6
226	27.3	21.5	32.3

228 100

229 19.9 15.8 23.6

226 27.3 21.5 32.3

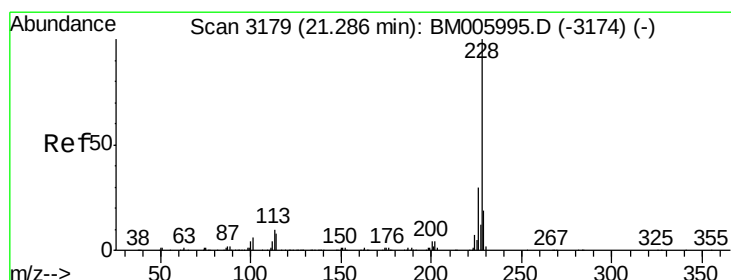
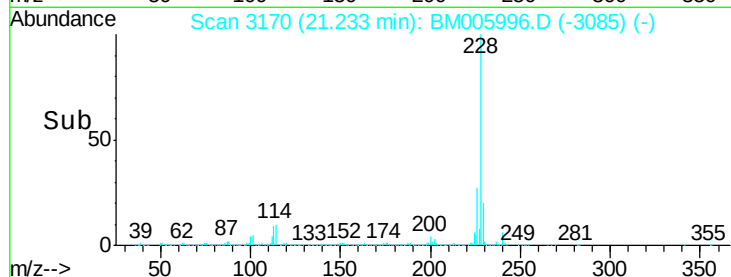
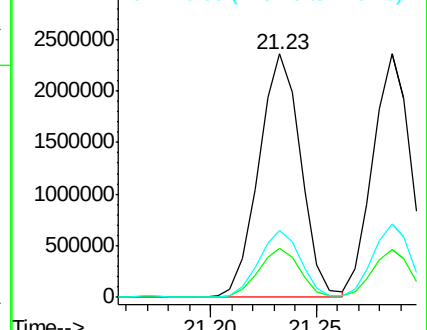


Abundance

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: 37.90 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

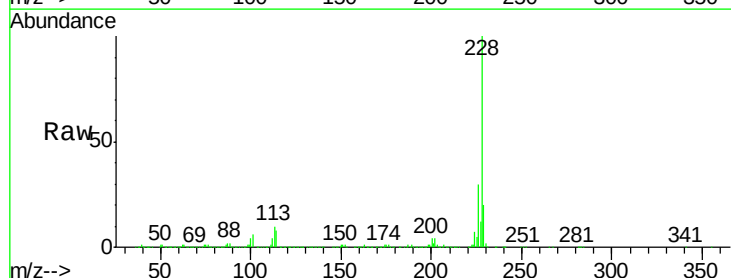
Tgt Ion:228 Resp: 2933061

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	19.6	15.4	23.2

228 100

226 30.1 24.3 36.5

229 19.6 15.4 23.2

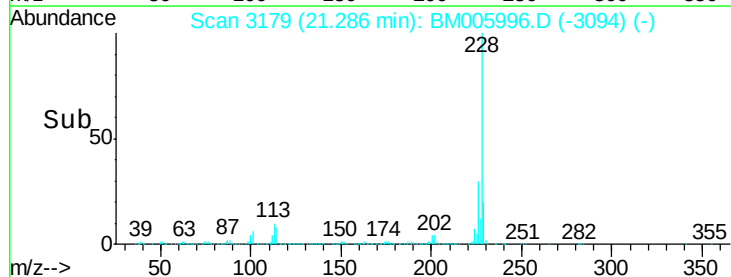
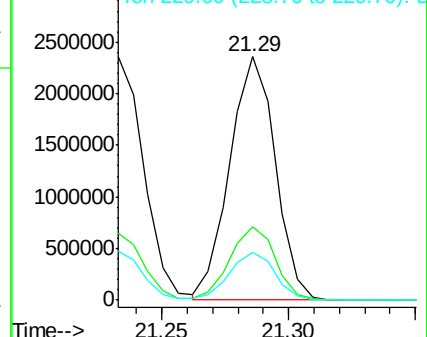


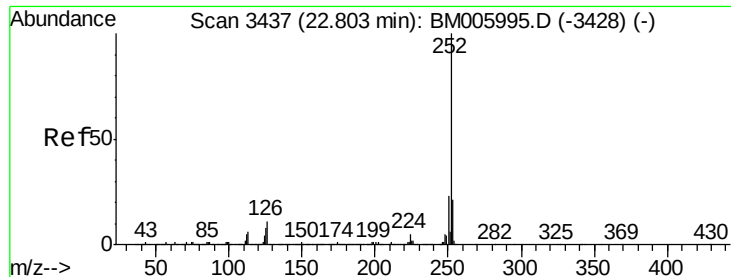
Abundance

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: 38.67 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.00 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

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ClientSampleId :

SSTD04062

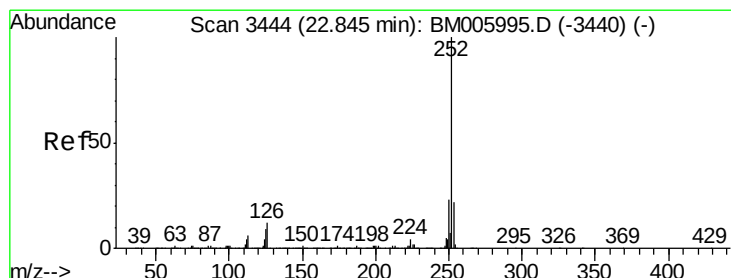
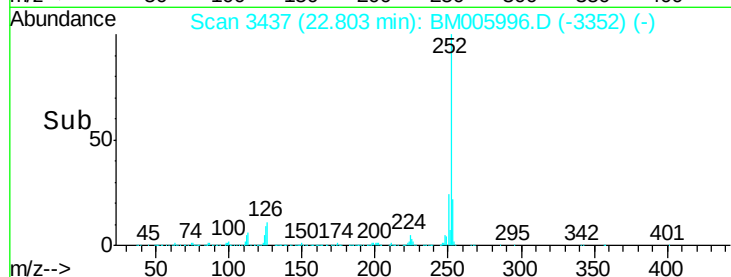
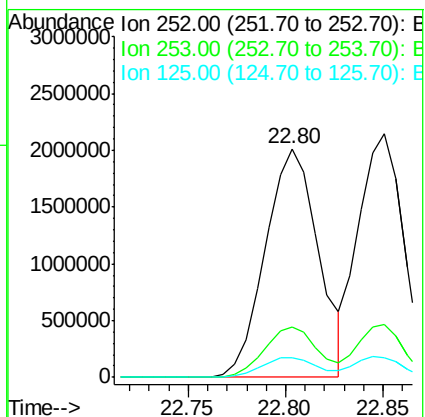
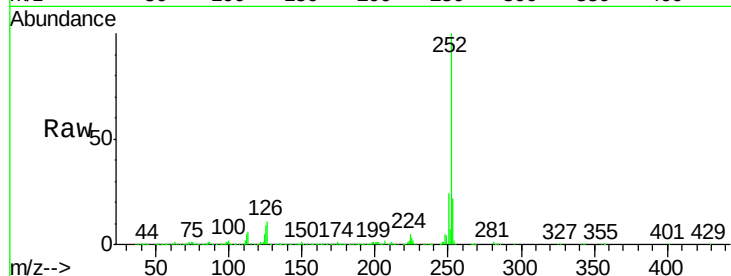
Tgt Ion:252 Resp: 3800631

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 8.8 6.8 10.2



#36

Benzo(k)fluoranthene

Concen: 37.47 ng/ul

RT: 22.85 min Scan# 3445

Delta R.T. 0.01 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

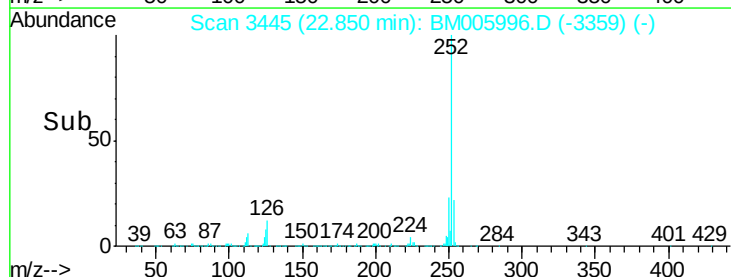
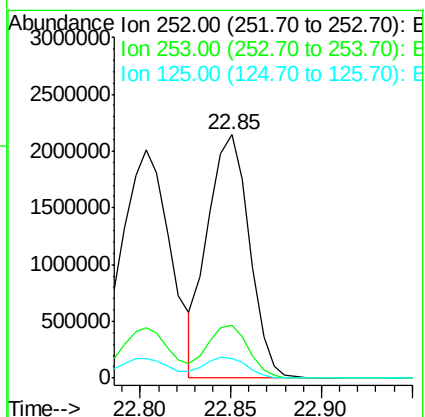
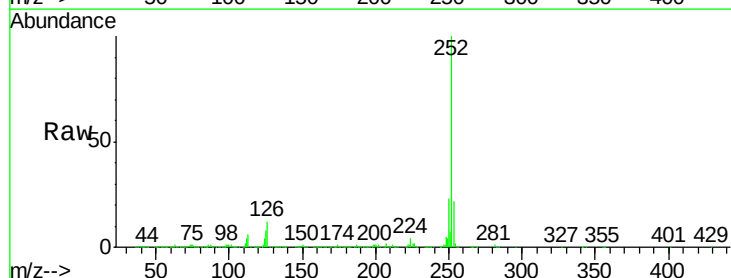
Tgt Ion:252 Resp: 3425797

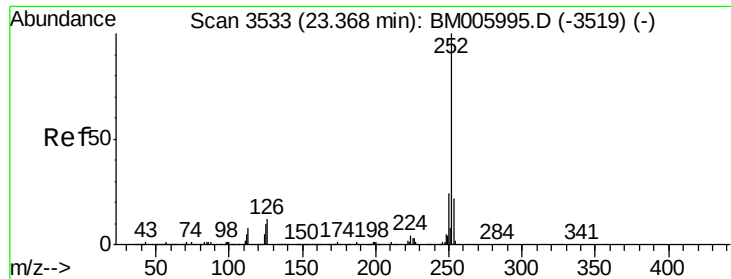
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 8.2 7.0 10.4





#38

Benzo(a)pyrene

Concen: 38.14 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SSTD04062

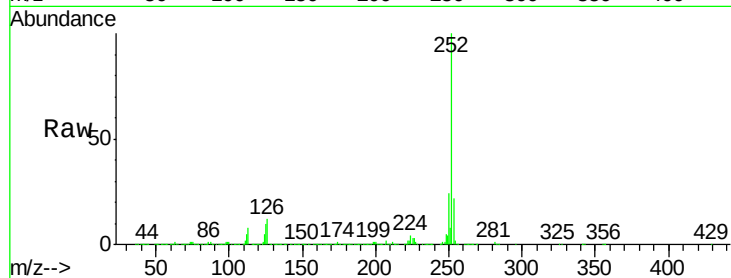
Tgt Ion:252 Resp: 3594068

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

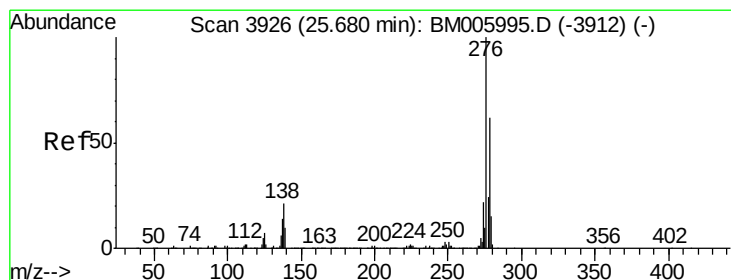
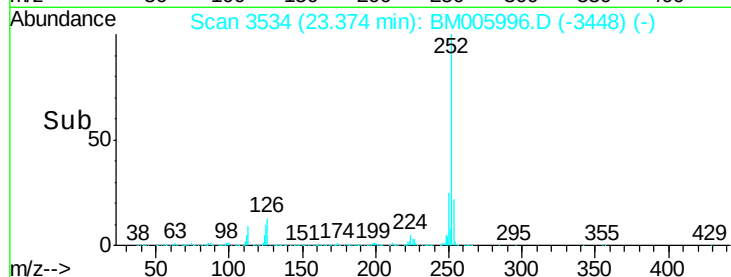
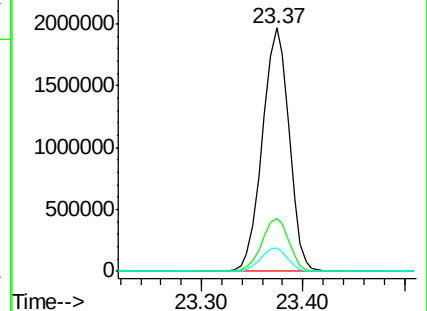
125 9.8 7.8 11.6



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: 38.58 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

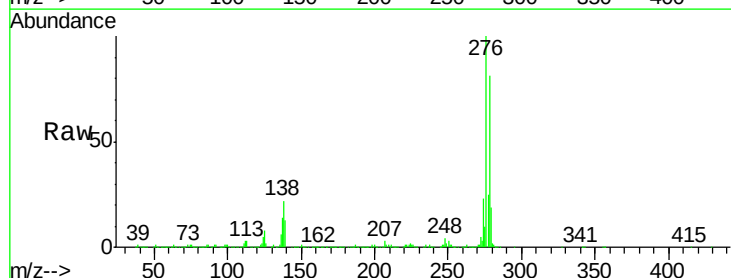
Tgt Ion:276 Resp: 4334170

Ion Ratio Lower Upper

276 100

138 22.1 16.6 25.0

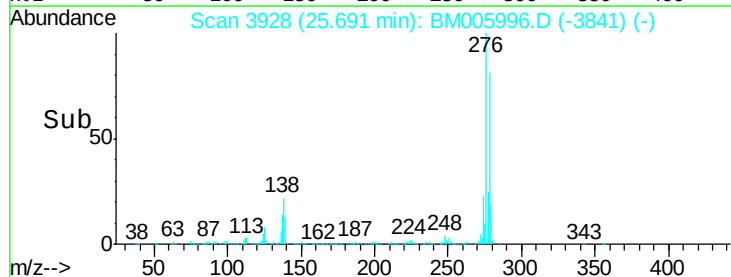
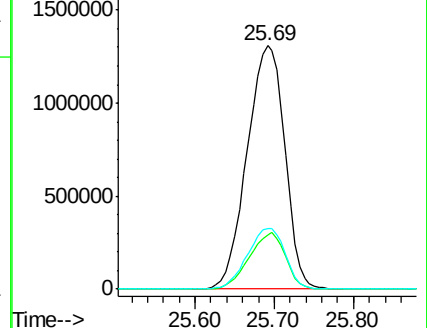
277 24.9 19.6 29.4

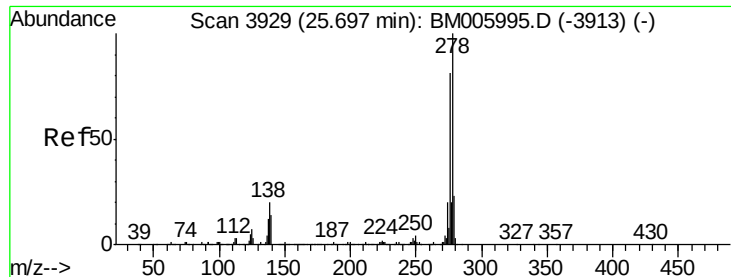


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 38.17 ng/ul

RT: 25.70 min Scan# 3930

Delta R.T. 0.01 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SSTD04062

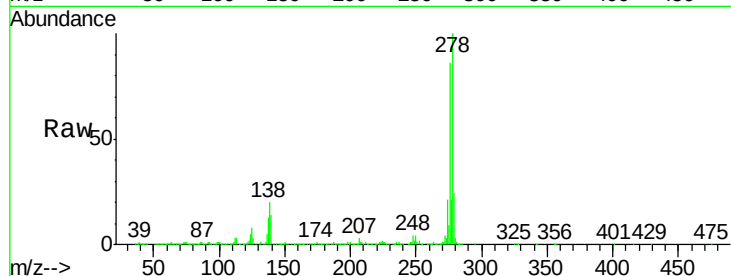
Tgt Ion:278 Resp: 3565805

Ion Ratio Lower Upper

278 100

139 14.1 11.4 17.2

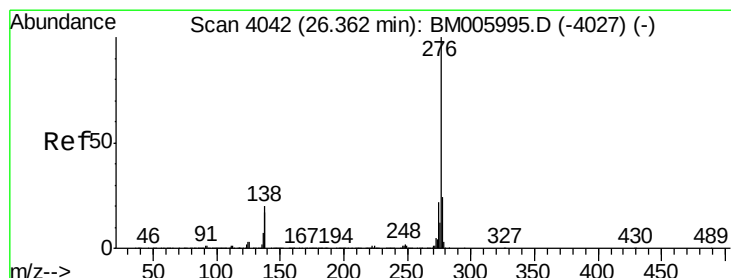
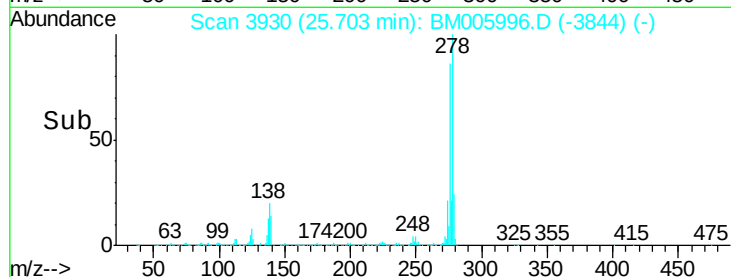
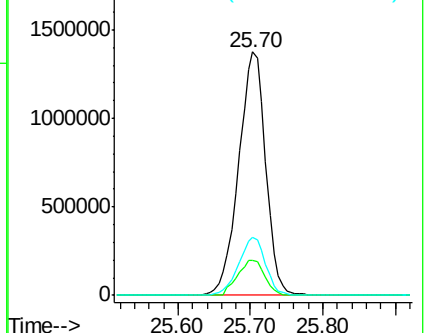
279 24.0 18.8 28.2



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: 39.90 ng/ul

RT: 26.37 min Scan# 4044

Delta R.T. 0.01 min

Lab File: BM005996.D

Acq: 25 Jun 2016 12:02

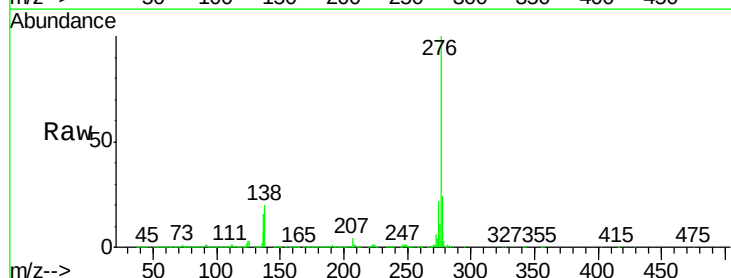
Tgt Ion:276 Resp: 3876665

Ion Ratio Lower Upper

276 100

138 19.5 15.9 23.9

277 24.0 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

