

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM005997.D
 Acq On : 25 Jun 2016 12:38
 Operator : UM/SJ
 Sample : SSTD08063
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD08063

Quant Time: Jun 26 04:22:11 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	137481	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	751601	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	522844	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1340044	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1493474	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1765003	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	95775	28.98	ng/uL	0.00
3) Phenol-d5	6.83	99	1176079	81.32	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	619753	77.03	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	829227	82.32	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	977996	80.11	ng/ul	0.00
8) Nitrobenzene-d5	8.82	128	449275	78.51	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	513040	80.58	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	955993	78.27	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	883255	66.65	ng/ul	0.00
16) Dimethylphthalate-d6	13.73	166	3225120	72.06	ng/ul	0.01
17) Acenaphthylene-d8	14.00	160	3836457	73.90	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	709122	74.27	ng/ul	0.02
21) Fluorene-d10	15.30	176	2697102	70.57	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	609422	81.92	ng/ul	0.01
26) Anthracene-d10	17.16	188	4225716	68.65	ng/ul	0.00
30) Pyrene-d10	19.46	212	4850418	74.14	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	5741470	72.05	ng/ul	0.02

Target Compounds

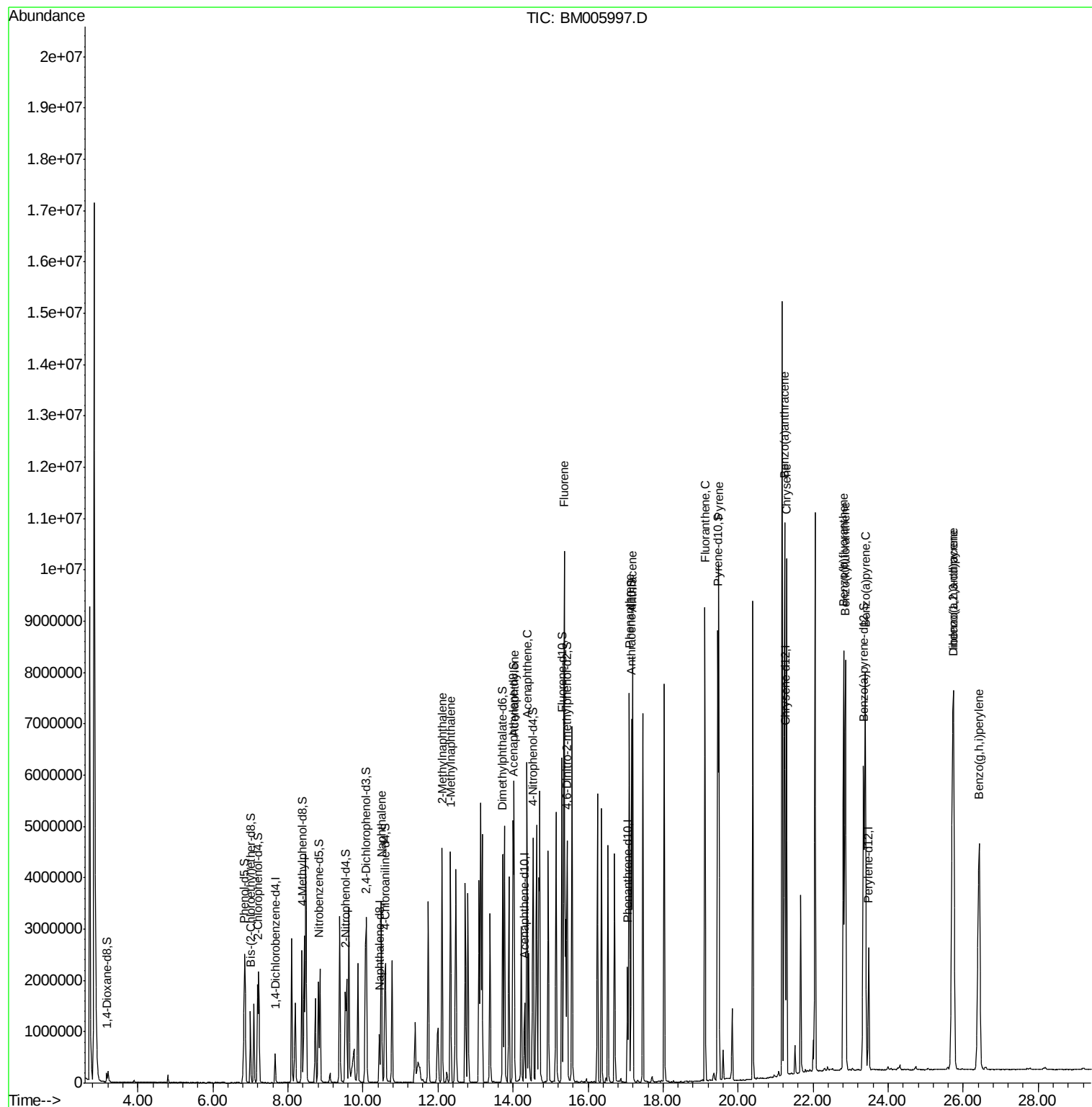
						Qvalue
11) Naphthalene	10.49	128	2817193	75.03	ng/ul	100
13) 2-Methylnaphthalene	12.11	142	2228795	73.77	ng/ul	99
14) 1-Methylnaphthalene	12.33	142	2131500	73.68	ng/ul	99
18) Acenaphthylene	14.03	152	3965182	72.44	ng/ul	99
19) Acenaphthene	14.37	153	2498729	71.87	ng/ul	98
22) Fluorene	15.36	166	2716702	64.87	ng/ul	100
25) Phenanthrene	17.10	178	5037900	69.89	ng/ul	99
27) Anthracene	17.19	178	5063440	68.04	ng/ul	100
28) Fluoranthene	19.12	202	6079228	65.85	ng/ul	98
31) Pyrene	19.49	202	6076656	71.07	ng/ul	99
32) Benzo(a)anthracene	21.24	228	6143427	69.25	ng/ul	98
33) Chrysene	21.29	228	5705968	70.40	ng/ul	99
35) Benzo(b)fluoranthene	22.82	252	6994240	68.20	ng/ul	99
36) Benzo(k)fluoranthene	22.86	252	6774991	71.02	ng/ul	99
38) Benzo(a)pyrene	23.40	252	6796729	69.12	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.73	276	8244848	70.34	ng/ul	99
40) Dibenzo(a,h)anthracene	25.75	278	6719465	68.94	ng/ul	99
41) Benzo(g,h,i)perylene	26.43	276	7391109	72.91	ng/ul	99

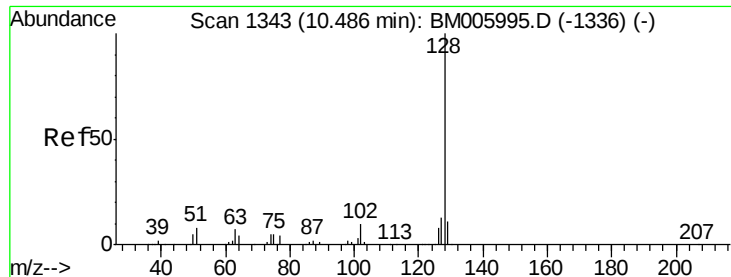
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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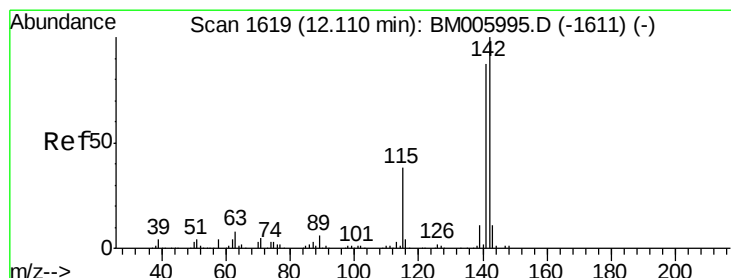
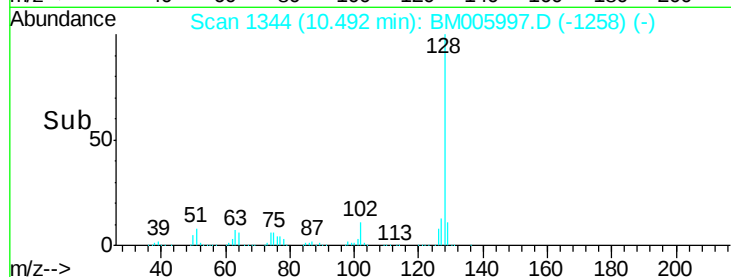
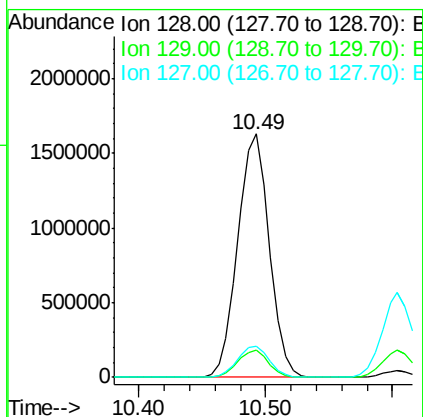
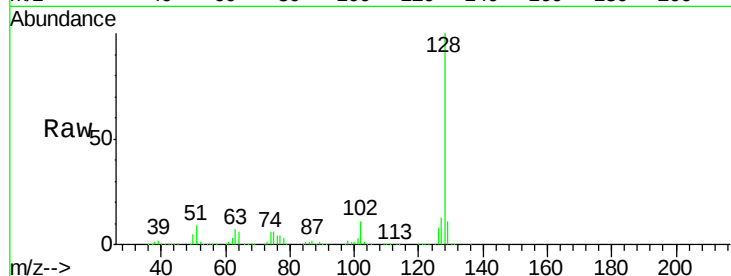




#11
Naphthalene
Concen: 75.03 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM005997.D
Acq: 25 Jun 2016 12:38

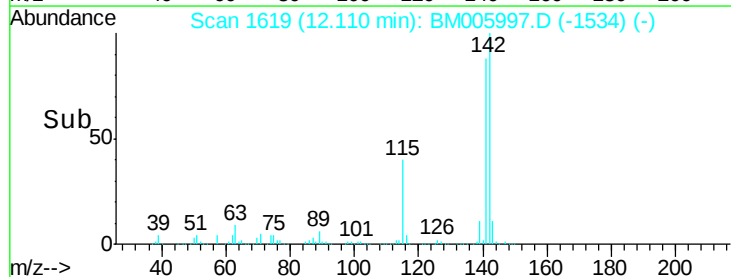
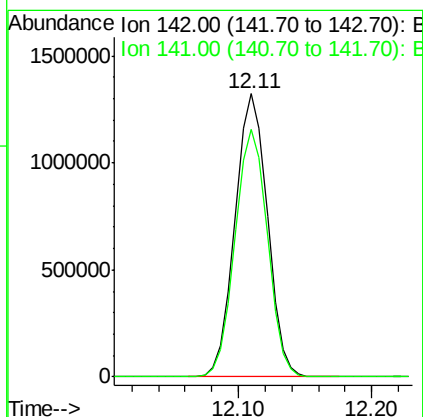
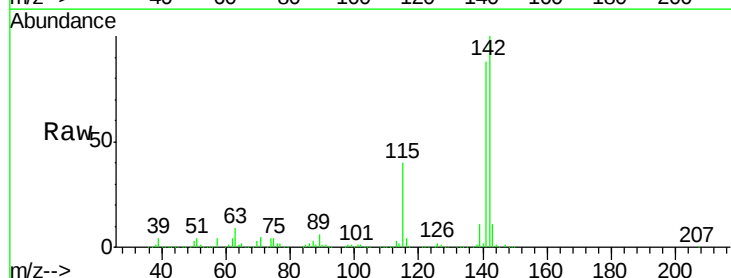
Instrument :
BNA_M
ClientSampleId :
SSTD08063

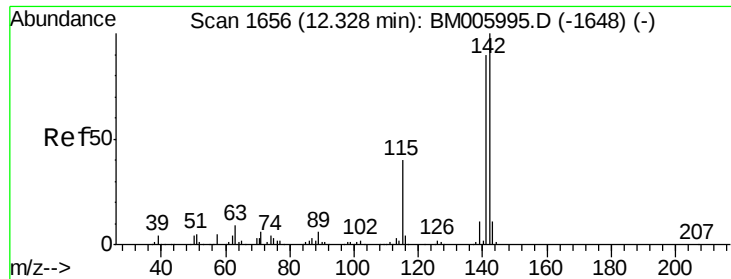
Tgt Ion:128 Resp: 2817193
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.2 15.4



#13
2-Methylnaphthalene
Concen: 73.77 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BM005997.D
Acq: 25 Jun 2016 12:38

Tgt Ion:142 Resp: 2228795
Ion Ratio Lower Upper
142 100
141 87.5 69.4 104.2

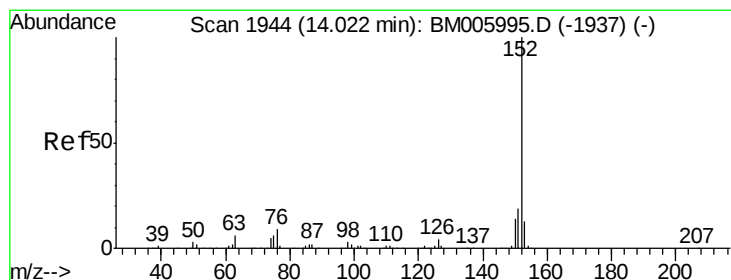
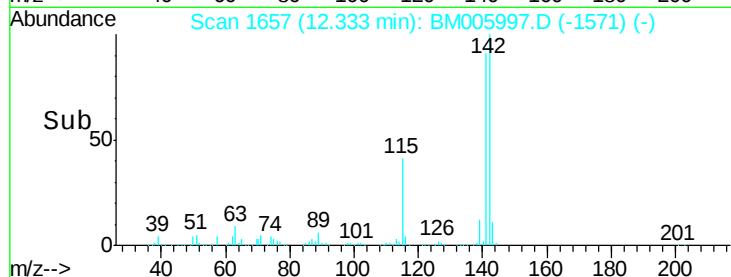
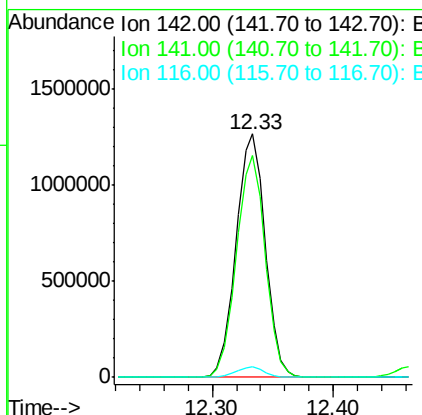
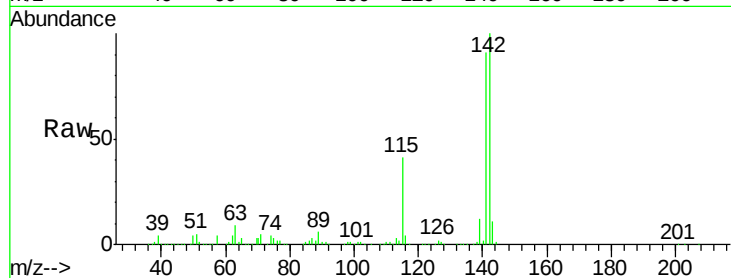




#14
1-Methylnaphthalene
Concen: 73.68 ng/ul
RT: 12.33 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BM005997.D
Acq: 25 Jun 2016 12:38

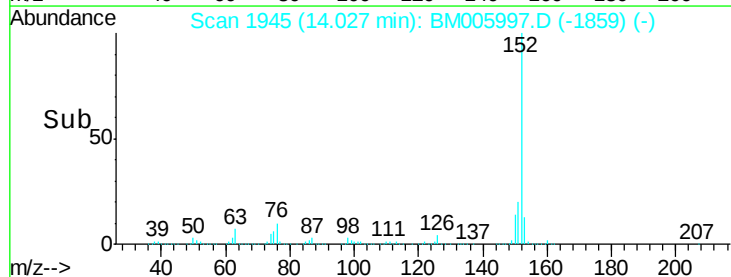
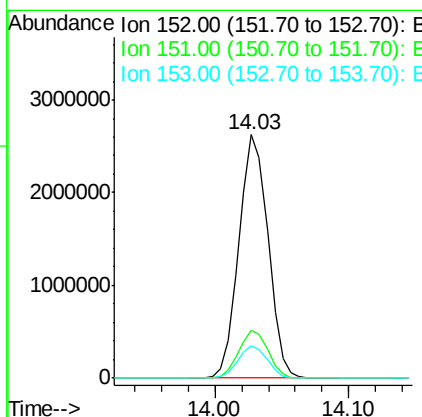
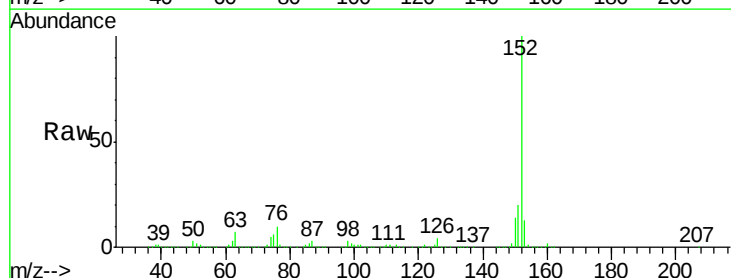
Instrument :
BNA_M
ClientSampleId :
SSTD08063

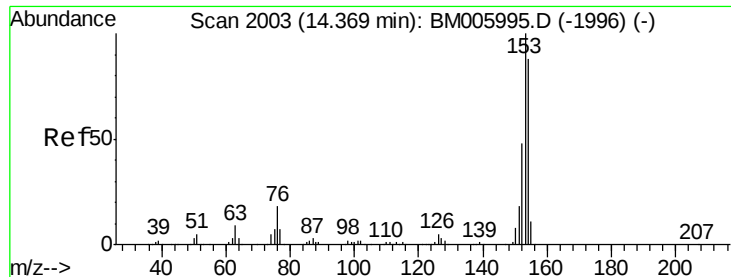
Tgt Ion:142 Resp: 2131500
Ion Ratio Lower Upper
142 100
141 91.3 72.3 108.5
116 4.3 3.4 5.0



#18
Acenaphthylene
Concen: 72.44 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM005997.D
Acq: 25 Jun 2016 12:38

Tgt Ion:152 Resp: 3965182
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.4 10.5 15.7





#19

Acenaphthene

Concen: 71.87 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD08063

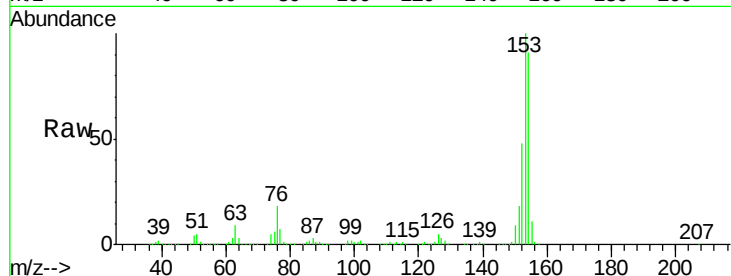
Tgt Ion:153 Resp: 2498729

Ion Ratio Lower Upper

153 100

152 47.6 38.6 57.8

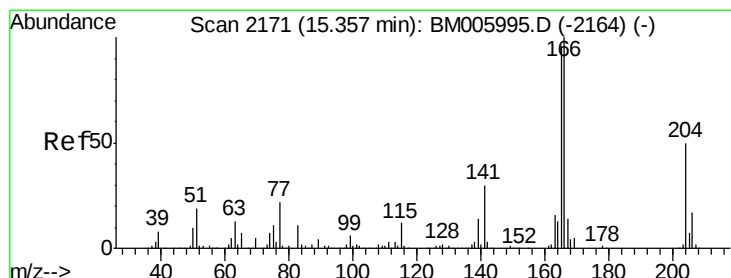
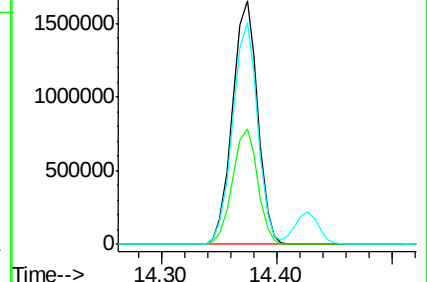
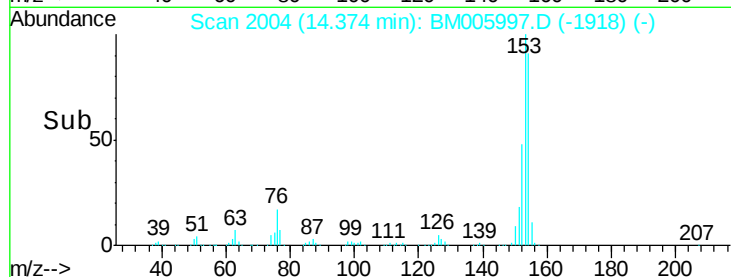
154 91.3 70.7 106.1



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: 64.87 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

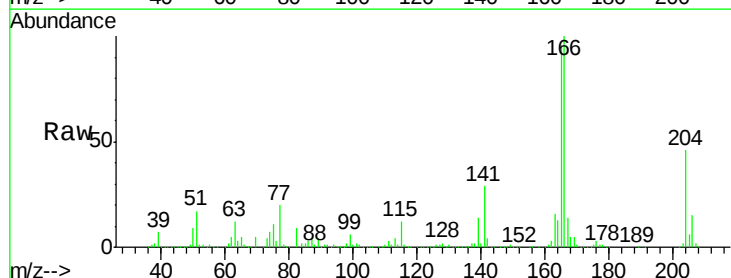
Tgt Ion:166 Resp: 2716702

Ion Ratio Lower Upper

166 100

165 95.8 76.8 115.2

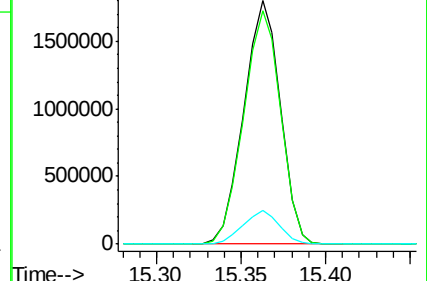
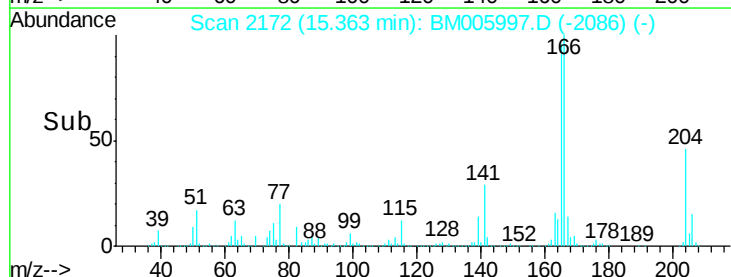
167 13.7 10.8 16.2

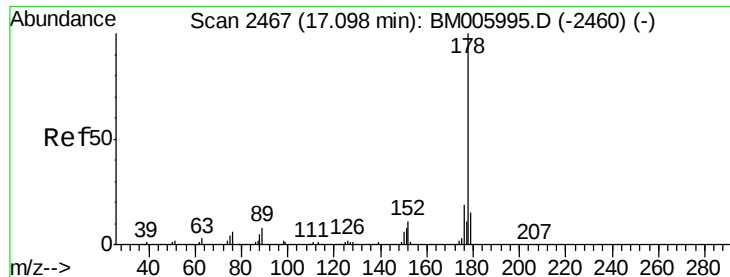


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 69.89 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

Instrument :

BNA_M

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SSTD08063

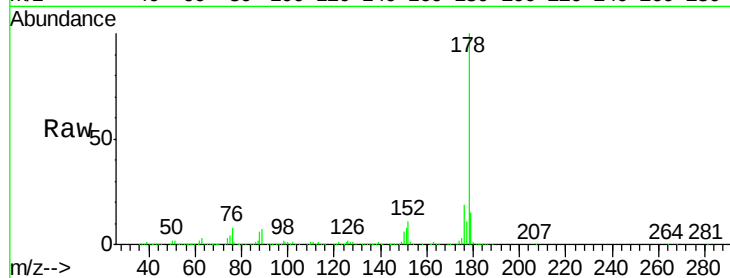
Tgt Ion:178 Resp: 5037900

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

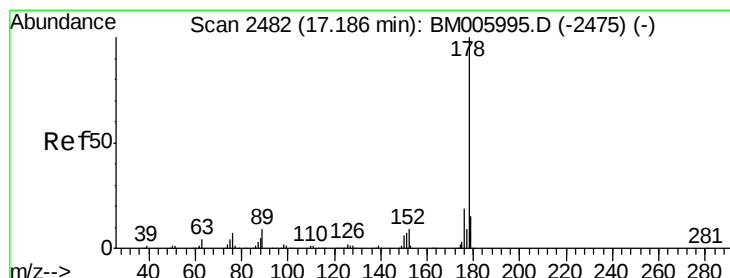
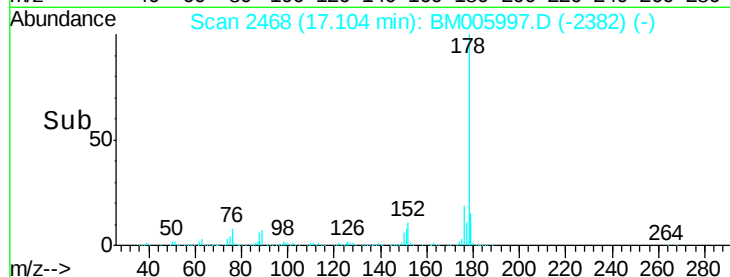
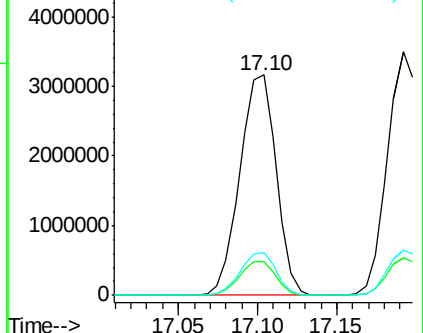
176 19.4 15.4 23.0



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: 68.04 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

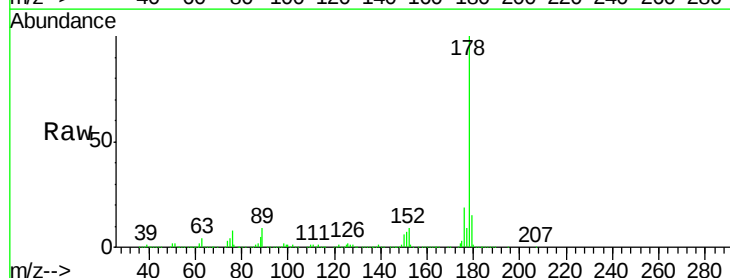
Tgt Ion:178 Resp: 5063440

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

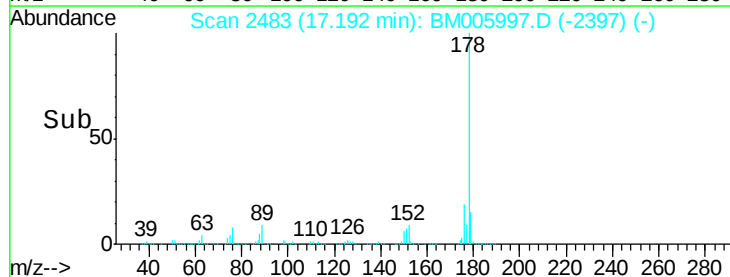
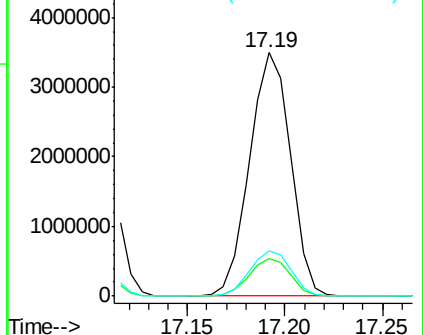
176 18.8 14.9 22.3

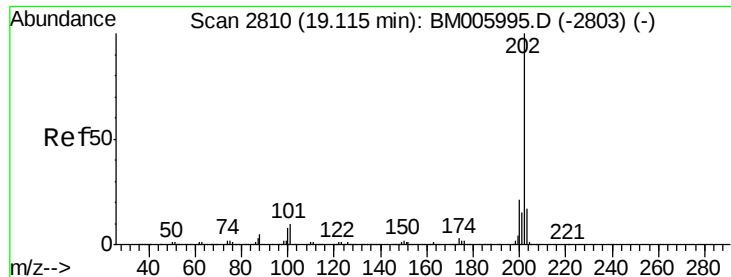


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 65.85 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM005997.D

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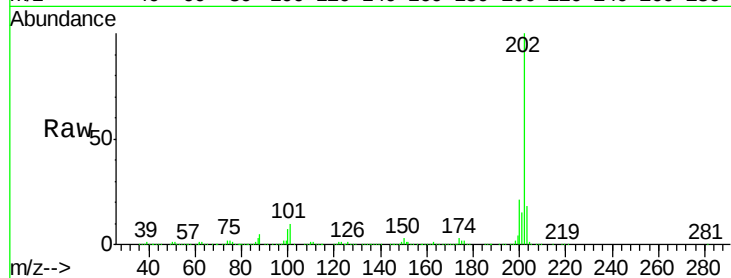
Tgt Ion:202 Resp: 6079228

Ion Ratio Lower Upper

202 100

101 9.7 8.2 12.4

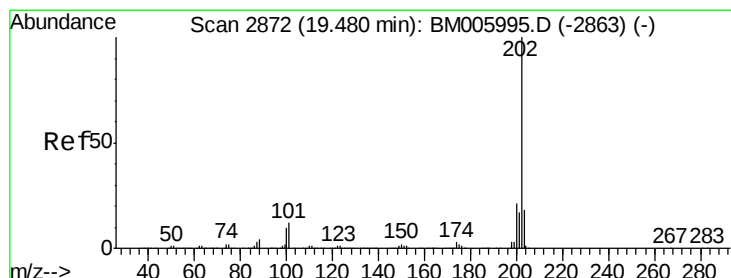
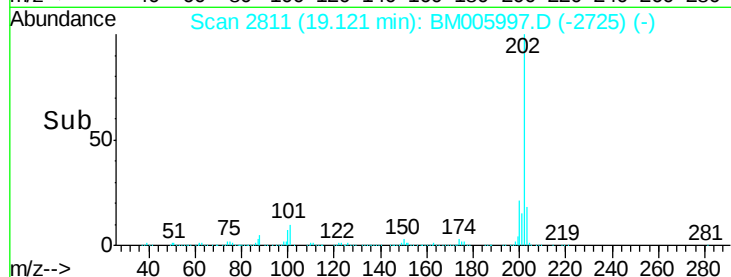
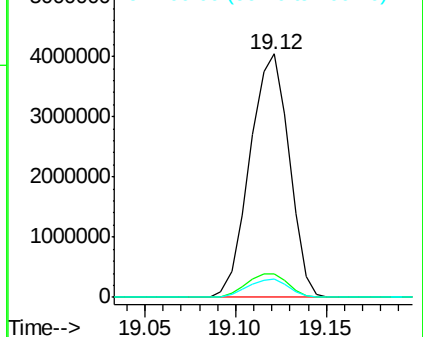
100 7.3 6.3 9.5



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: 71.07 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

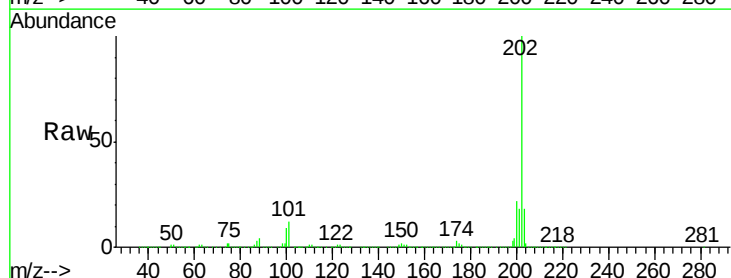
Tgt Ion:202 Resp: 6076656

Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.6

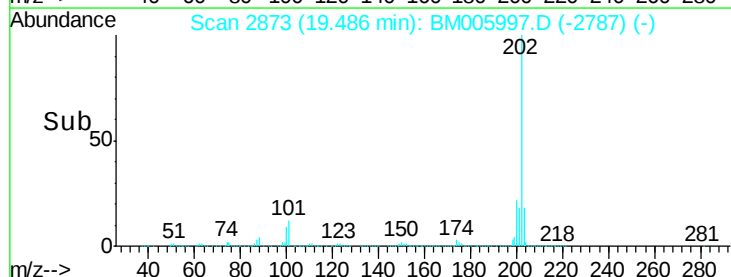
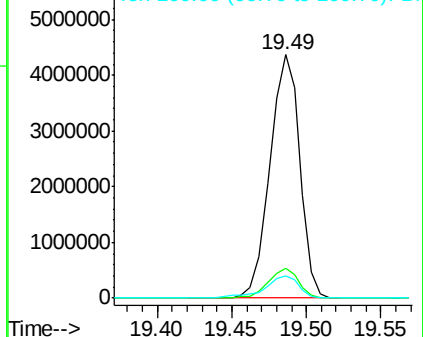
100 9.2 8.2 12.2

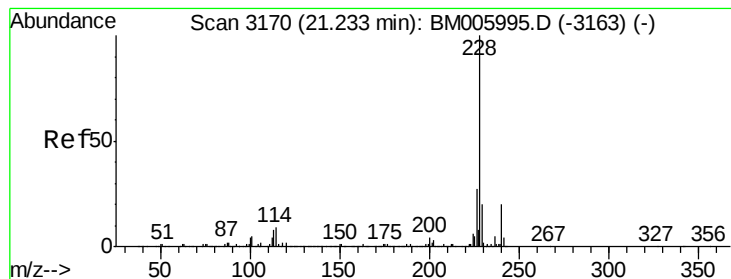


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 69.25 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.01 min

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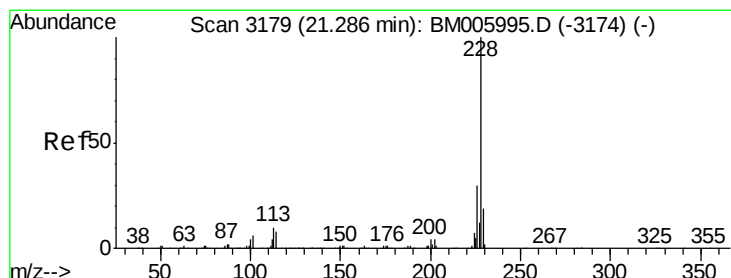
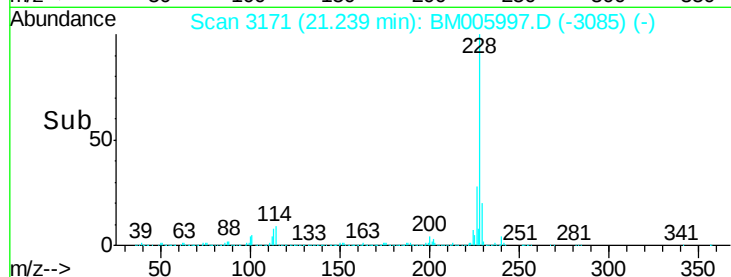
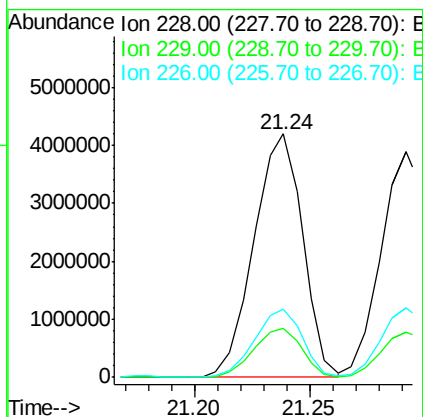
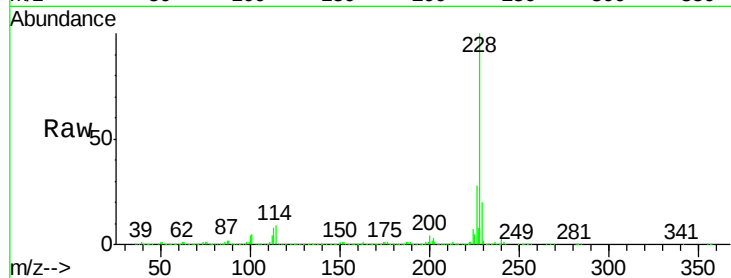
Tgt Ion:228 Resp: 6143427

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.8	23.6
226	27.9	21.5	32.3

228 100

229 20.2 15.8 23.6

226 27.9 21.5 32.3



#33

Chrysene

Concen: 70.40 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

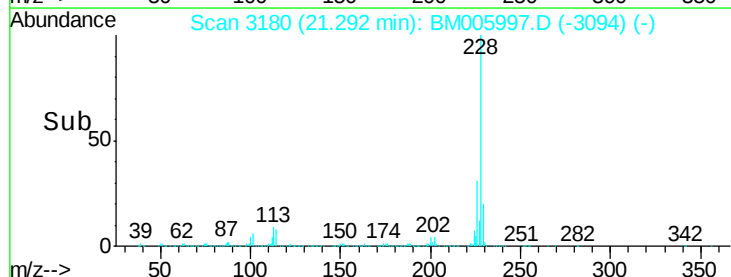
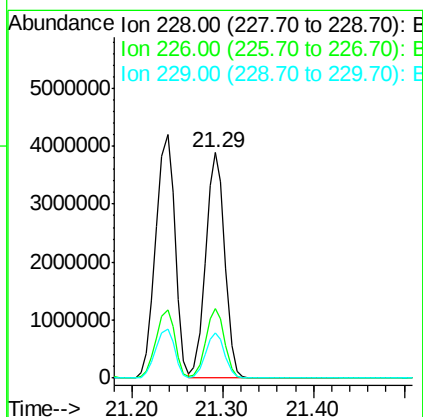
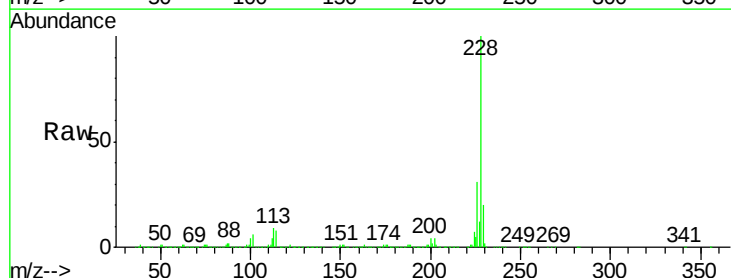
Tgt Ion:228 Resp: 5705968

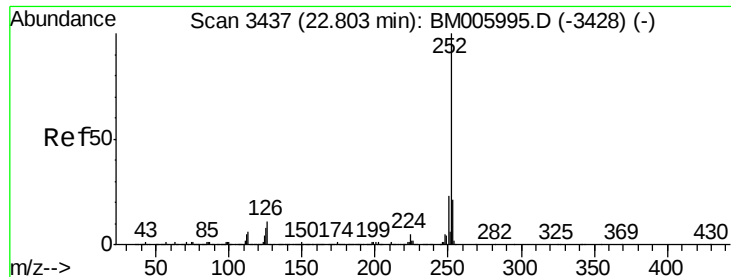
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	20.2	15.4	23.2

228 100

226 30.8 24.3 36.5

229 20.2 15.4 23.2





#35

Benzo(b)fluoranthene

Concen: 68.20 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. 0.01 min

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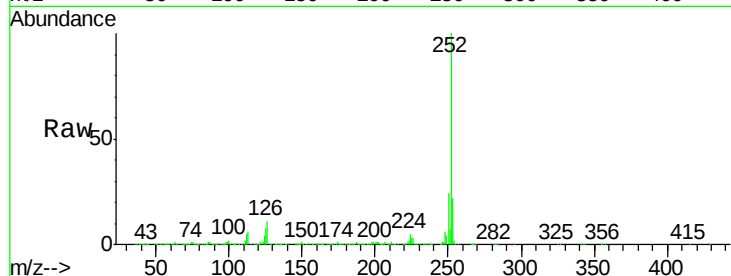
Tgt Ion:252 Resp: 6994240

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

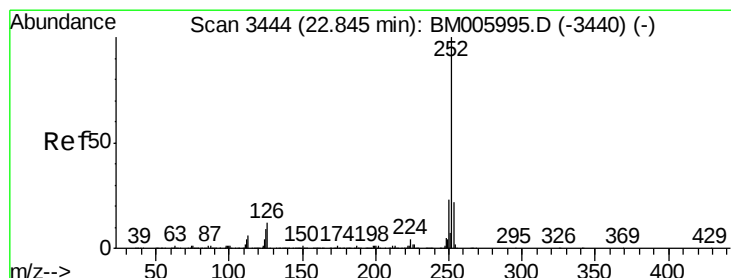
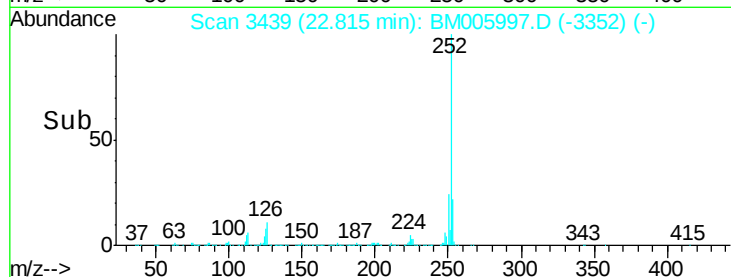
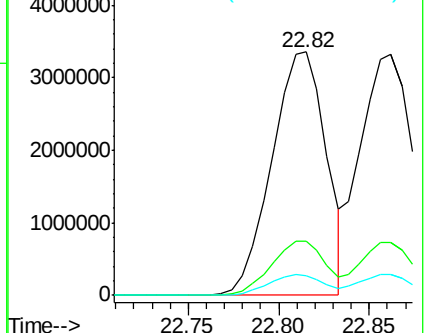
125 8.3 6.8 10.2



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: 71.02 ng/ul

RT: 22.86 min Scan# 3447

Delta R.T. 0.02 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

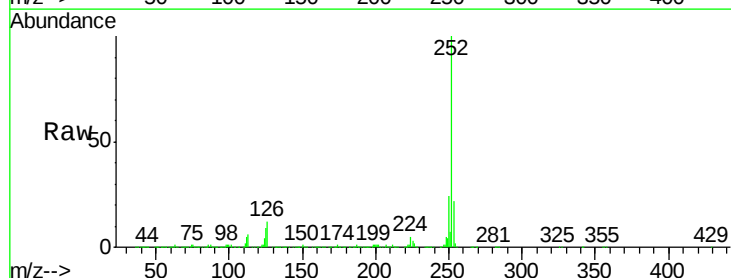
Tgt Ion:252 Resp: 6774991

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

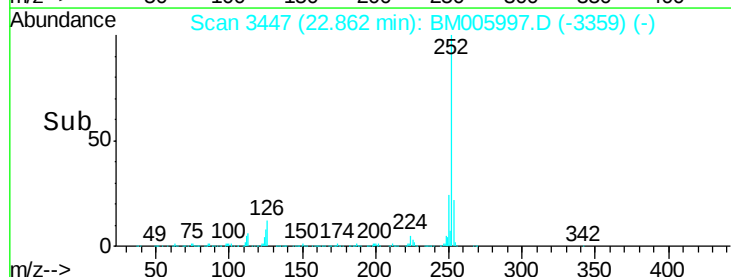
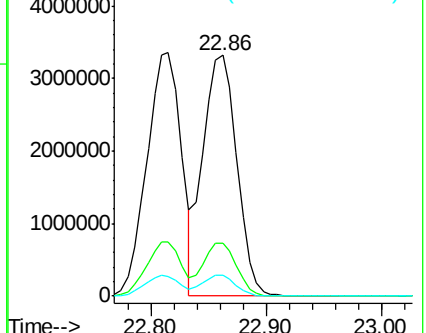
125 8.5 7.0 10.4

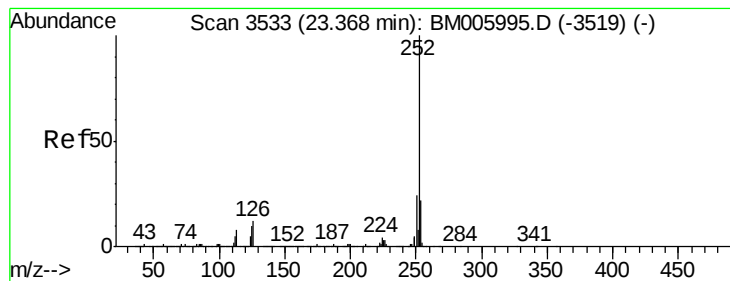


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 69.12 ng/ul

RT: 23.40 min Scan# 3538

Delta R.T. 0.03 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD08063

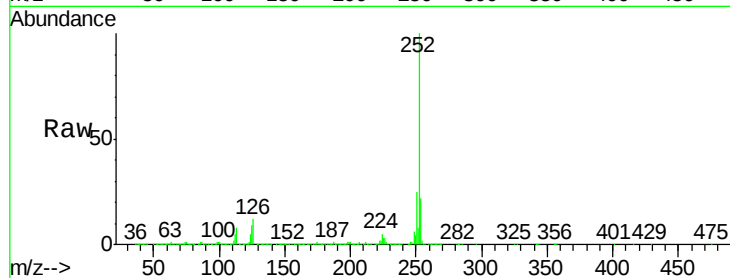
Tgt Ion:252 Resp: 6796729

Ion Ratio Lower Upper

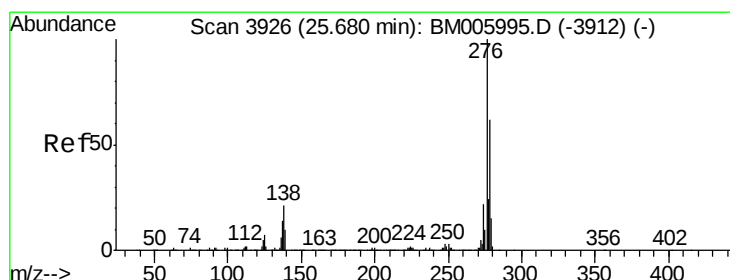
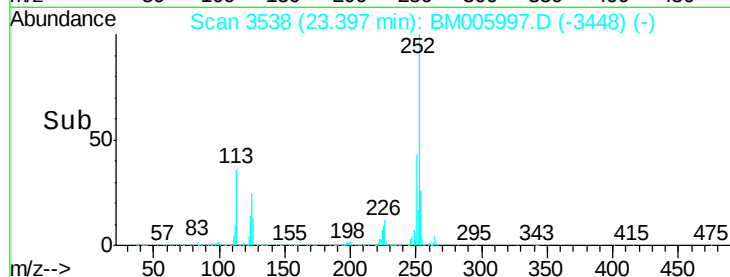
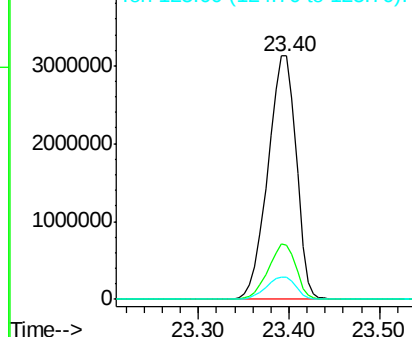
252 100

253 22.2 17.6 26.4

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



#39

Indeno(1,2,3-cd)pyrene

Concen: 70.34 ng/ul

RT: 25.73 min Scan# 3934

Delta R.T. 0.05 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

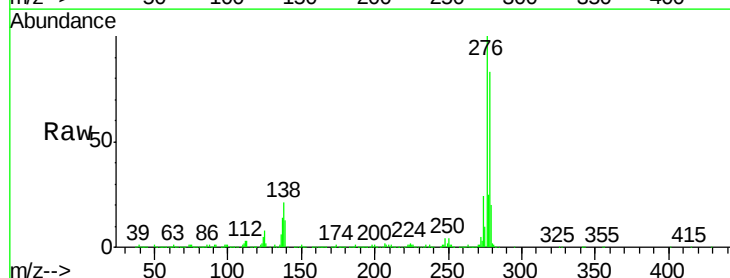
Tgt Ion:276 Resp: 8244848

Ion Ratio Lower Upper

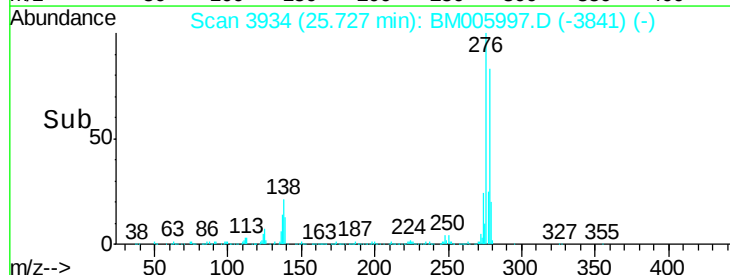
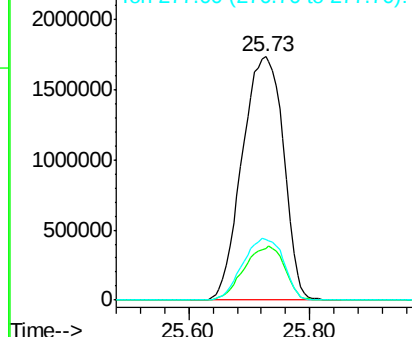
276 100

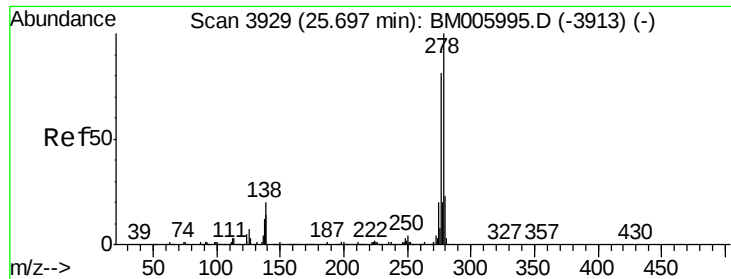
138 21.3 16.6 25.0

277 24.8 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: 68.94 ng/ul

RT: 25.75 min Scan# 3938

Delta R.T. 0.05 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

Instrument :

BNA_M

ClientSampleId :

SSTD08063

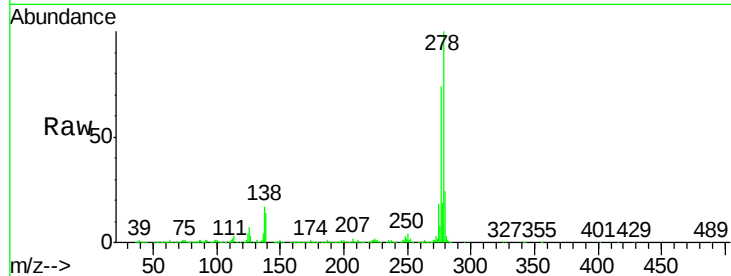
Tgt Ion:278 Resp: 6719465

Ion Ratio Lower Upper

278 100

139 13.9 11.4 17.2

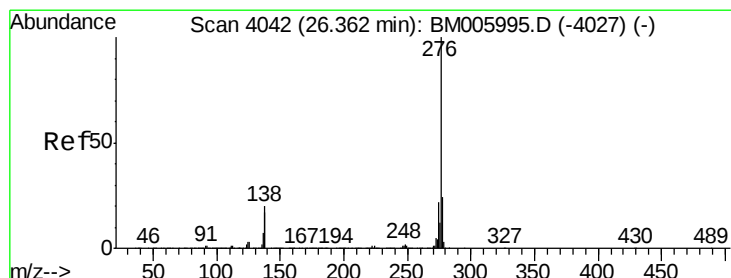
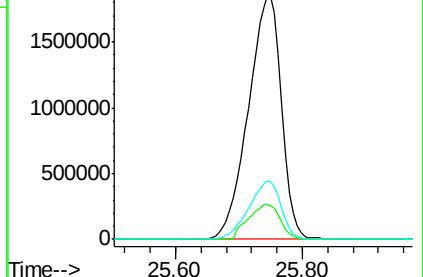
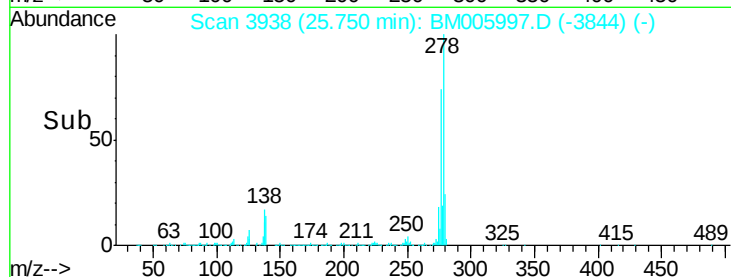
279 23.8 18.8 28.2



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: 72.91 ng/ul

RT: 26.43 min Scan# 4054

Delta R.T. 0.07 min

Lab File: BM005997.D

Acq: 25 Jun 2016 12:38

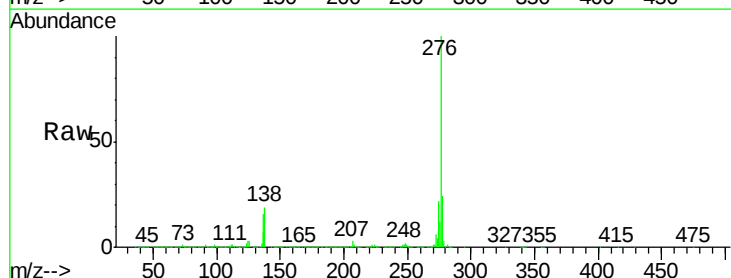
Tgt Ion:276 Resp: 7391109

Ion Ratio Lower Upper

276 100

138 18.9 15.9 23.9

277 23.8 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

