

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062516\
 Data File : BM006002.D
 Acq On : 25 Jun 2016 15:38
 Operator : UM/SJ
 Sample : H3669-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y60

Quant Time: Jun 26 04:41:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 26 04:39:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	243950	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1325192	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	931397	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	2318624	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	2826776	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	3117577	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	8548	1.56	ng/uL	0.00
3) Phenol-d5	6.83	99	382214	14.89	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	237622	16.64	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	279374	15.63	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	280106	12.93	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	157991	15.66	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	182544	16.26	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	326343	15.15	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	433831	18.57	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1252348	15.71	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1508549	16.31	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	235232	13.83	ng/ul	0.00
21) Fluorene-d10	15.30	176	1103095	16.20	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	186875	14.52	ng/ul	0.00
26) Anthracene-d10	17.15	188	1778856	16.70	ng/ul	0.00
30) Pyrene-d10	19.45	212	2168176	17.51	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	2327557	16.54	ng/ul	0.00

Target Compounds

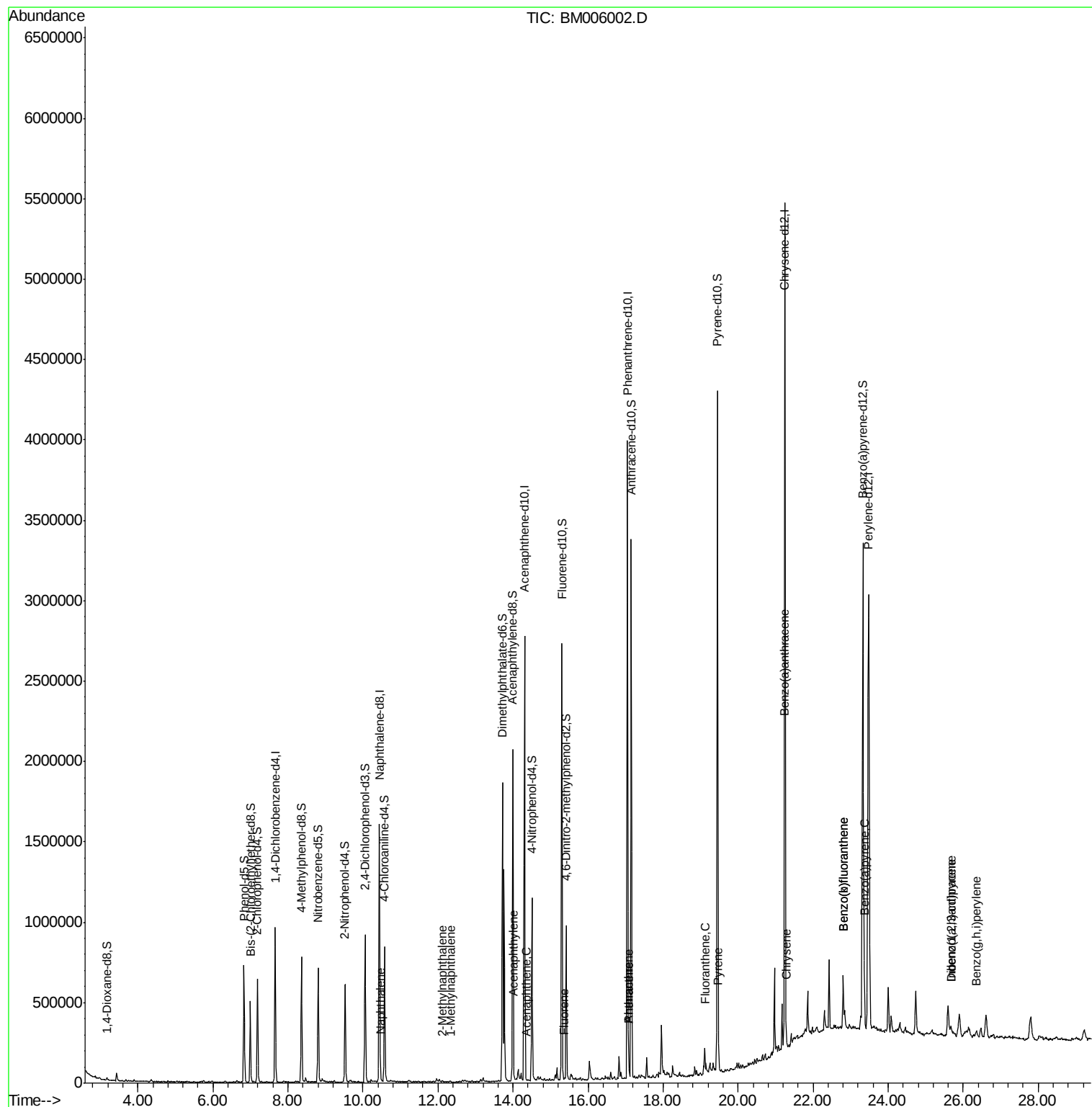
						Qvalue
11) Naphthalene	10.49	128	4080	0.06	ng/ul#	69
13) 2-Methylnaphthalene	12.10	142	3565	0.07	ng/ul	84
14) 1-Methylnaphthalene	12.33	142	3524	0.07	ng/ul#	69
18) Acenaphthylene	14.02	152	5197	0.05	ng/ul#	86
19) Acenaphthene	14.37	153	762	0.01	ng/ul#	67
22) Fluorene	15.35	166	964	0.01	ng/ul#	59
25) Phenanthrene	17.09	178	33922	0.27	ng/ul	98
27) Anthracene	17.09	178	33922	0.26	ng/ul	98
28) Fluoranthene	19.11	202	86352	0.54	ng/ul	98
31) Pyrene	19.48	202	83240	0.51	ng/ul	99
32) Benzo(a)anthracene	21.23	228	56796	0.34	ng/ul	96
33) Chrysene	21.29	228	77584	0.51	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	133963	0.74	ng/ul#	95
36) Benzo(k)fluoranthene	22.80	252	133963	0.80	ng/ul#	96
38) Benzo(a)pyrene	23.37	252	62887	0.36	ng/ul#	91
39) Indeno(1,2,3-cd)pyrene	25.67	276	52791	0.25	ng/ul	98
40) Dibenzo(a,h)anthracene	25.68	278	16772	0.10	ng/ul#	87
41) Benzo(g,h,i)perylene	26.36	276	48995	0.27	ng/ul#	90

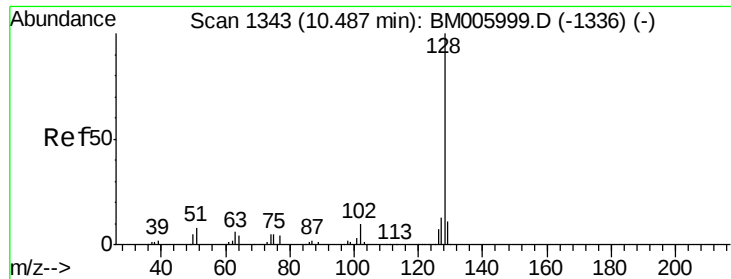
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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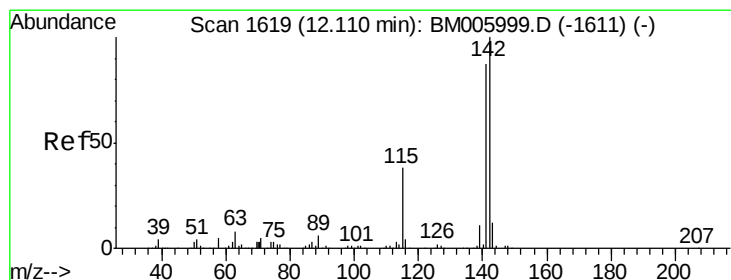
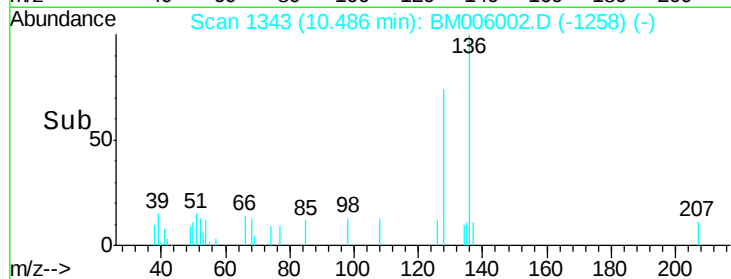
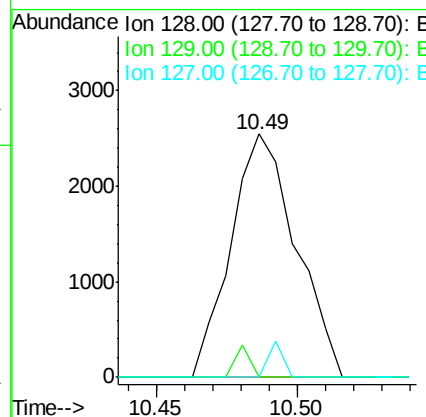
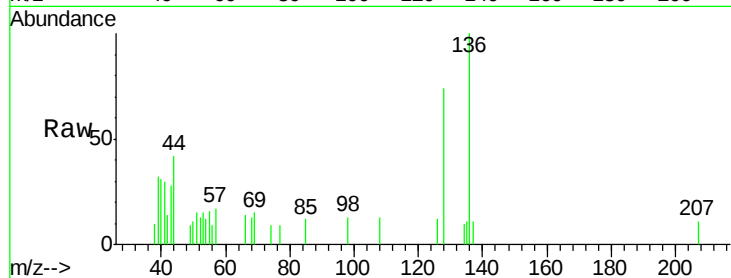




#11
Naphthalene
Concen: 0.06 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006002.D
Acq: 25 Jun 2016 15:38

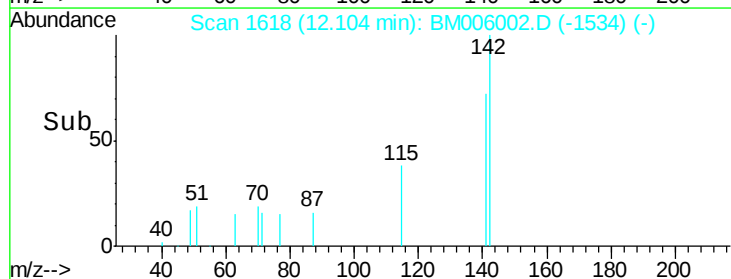
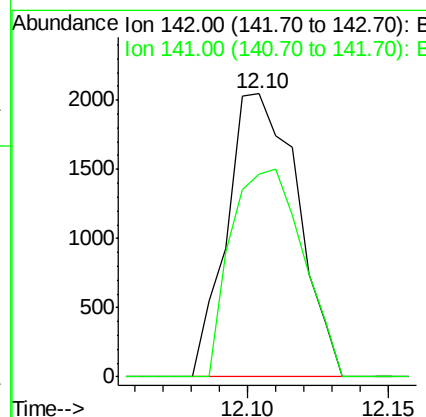
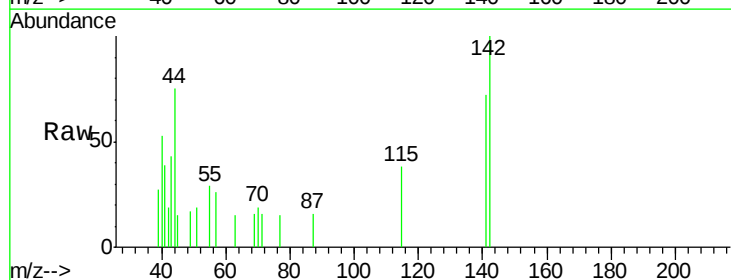
Instrument :
BNA_M
ClientSampleId :
D9Y60

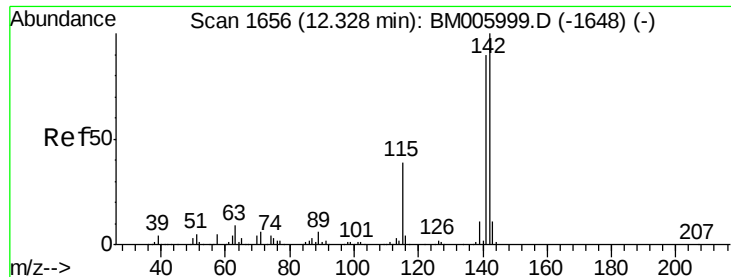
Tgt Ion:128 Resp: 4080
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.2 15.4#



#13
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BM006002.D
Acq: 25 Jun 2016 15:38

Tgt Ion:142 Resp: 3565
Ion Ratio Lower Upper
142 100
141 71.7 69.4 104.2

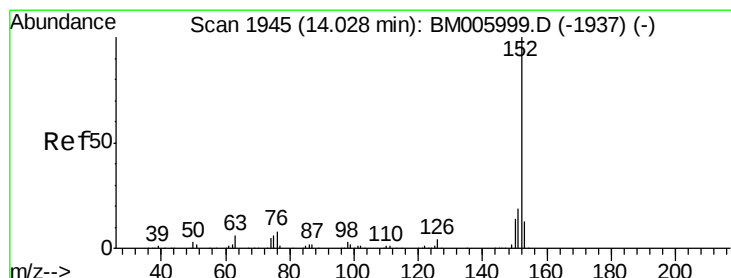
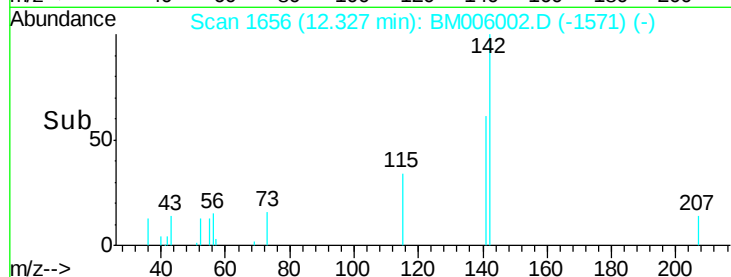
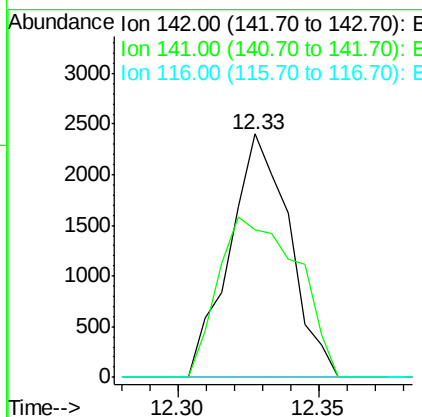
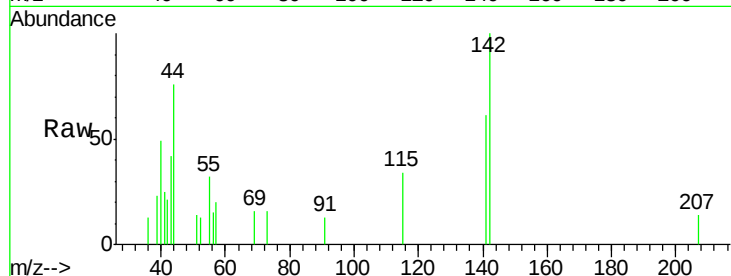




#14
1-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BM006002.D
Acq: 25 Jun 2016 15:38

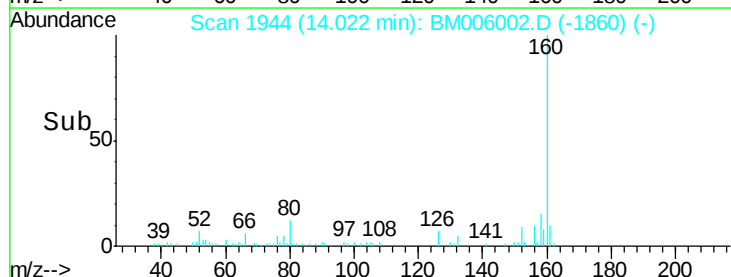
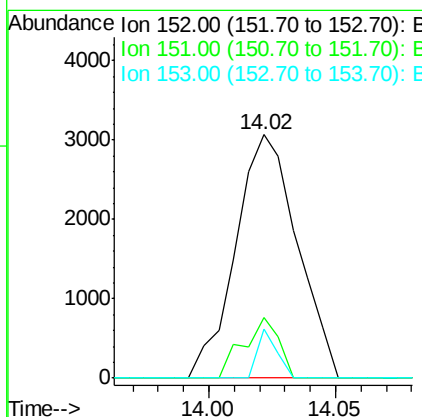
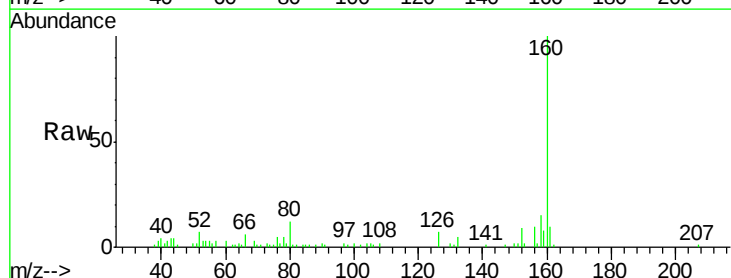
Instrument :
BNA_M
ClientSampleId :
D9Y60

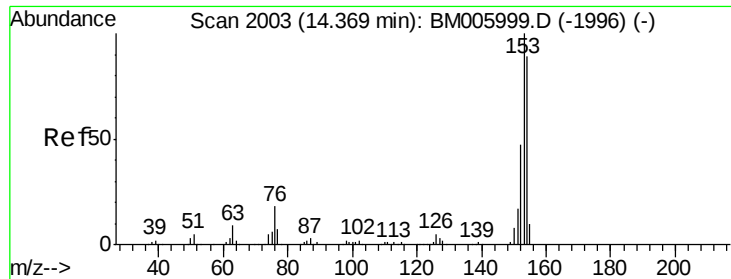
Tgt Ion:142 Resp: 3524
Ion Ratio Lower Upper
142 100
141 60.5 72.3 108.5#
116 0.0 3.4 5.0#



#18
Acenaphthylene
Concen: 0.05 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM006002.D
Acq: 25 Jun 2016 15:38

Tgt Ion:152 Resp: 5197
Ion Ratio Lower Upper
152 100
151 24.8 15.5 23.3#
153 20.1 10.5 15.7#





#19

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

Instrument :

BNA_M

ClientSampleId :

D9Y60

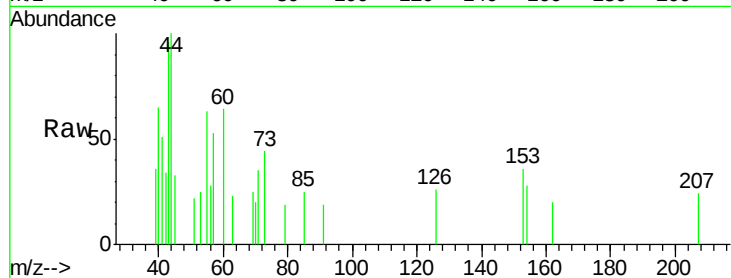
Tgt Ion:153 Resp: 762

Ion Ratio Lower Upper

153 100

152 0.0 38.6 57.8#

154 76.4 70.7 106.1

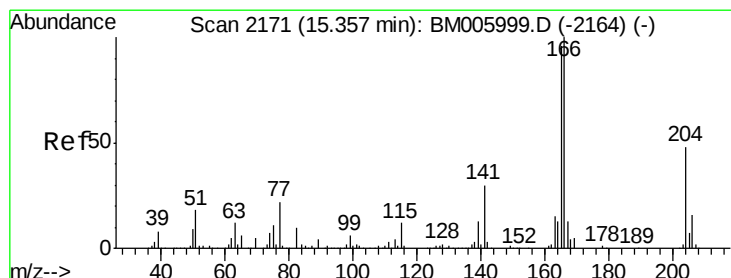
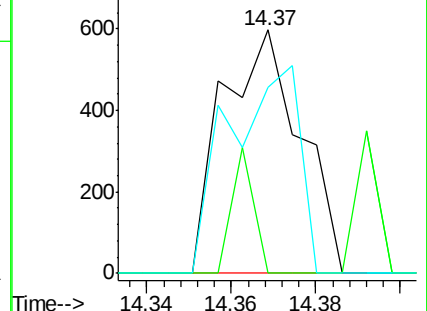
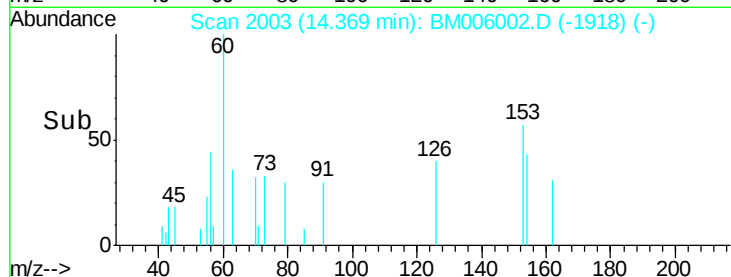


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->



#22

Fluorene

Concen: 0.01 ng/ul

RT: 15.35 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

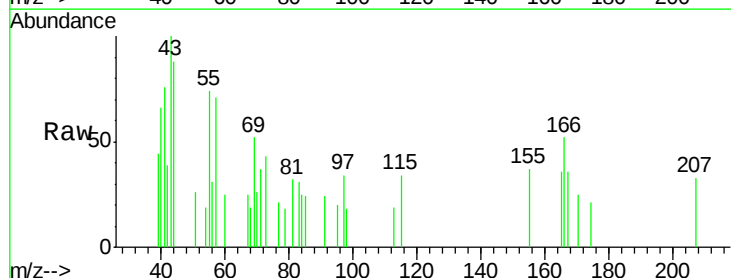
Tgt Ion:166 Resp: 964

Ion Ratio Lower Upper

166 100

165 69.2 76.8 115.2#

167 68.3 10.8 16.2#

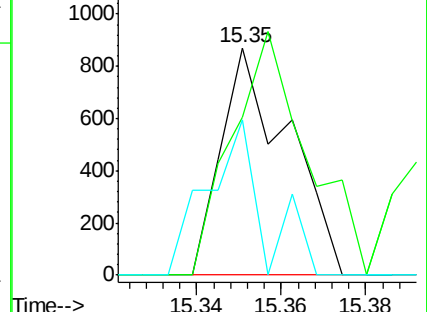
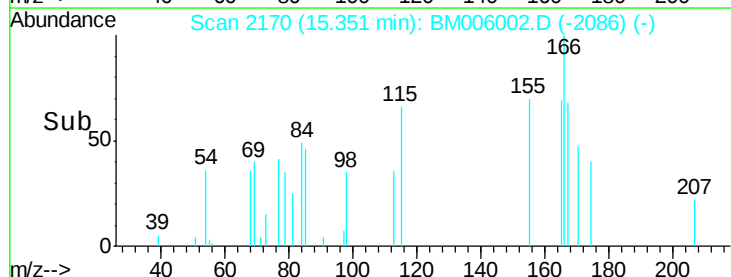


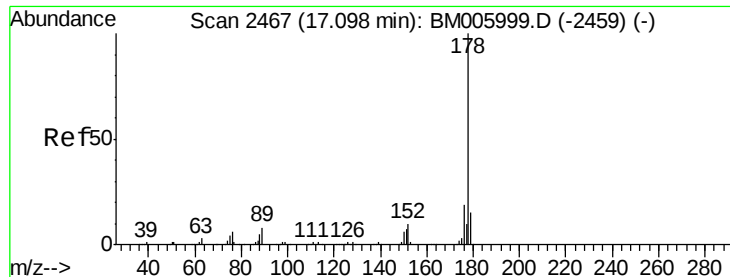
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#25

Phenanthrene

Concen: 0.27 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

Instrument :

BNA_M

ClientSampleId :

D9Y60

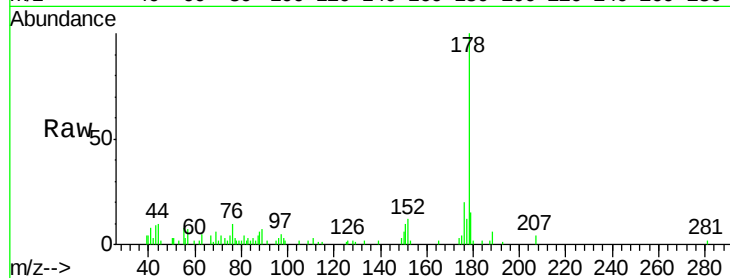
Tgt Ion:178 Resp: 33922

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

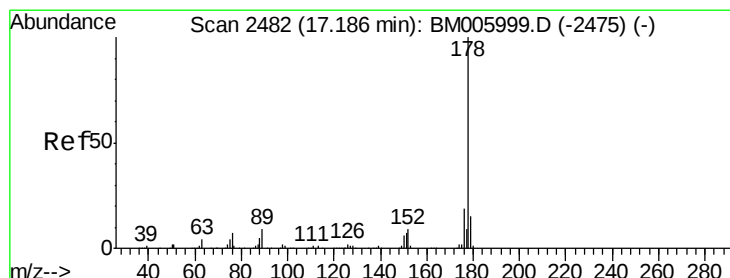
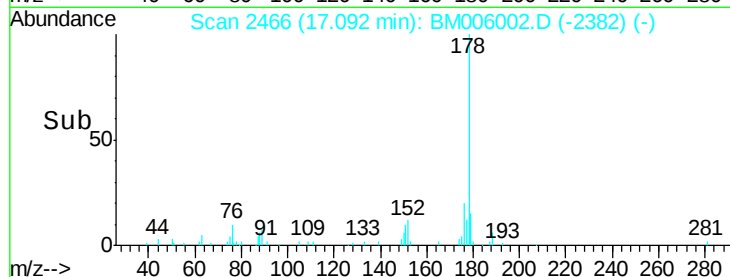
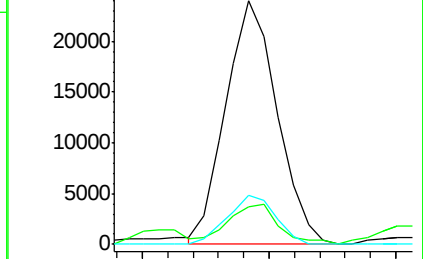
176 20.2 15.4 23.0



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: 0.26 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. -0.09 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

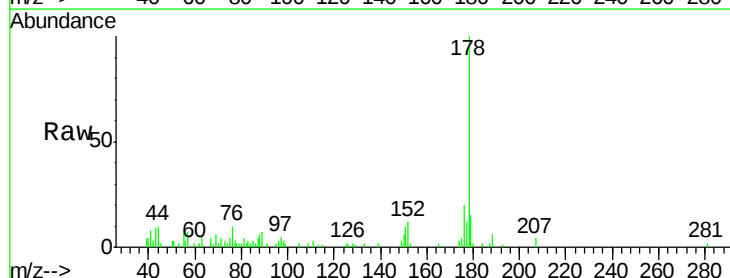
Tgt Ion:178 Resp: 33922

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

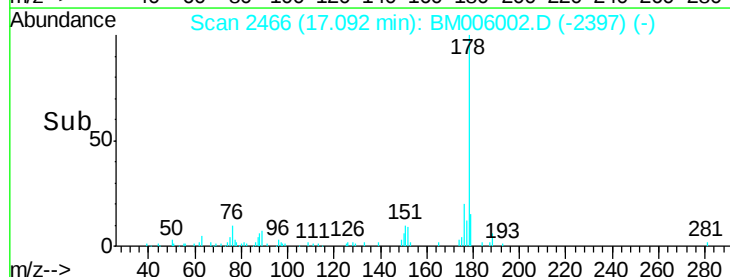
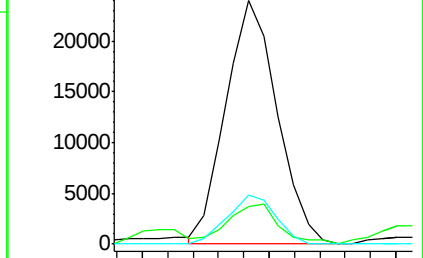
176 20.2 14.9 22.3

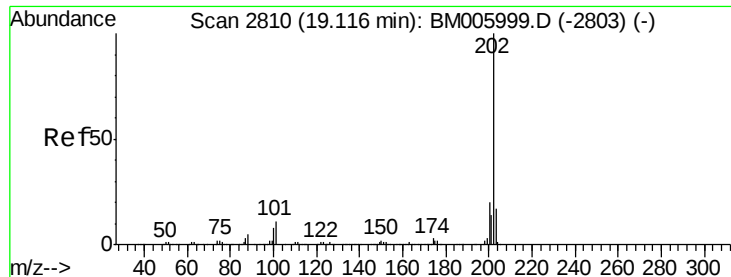


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

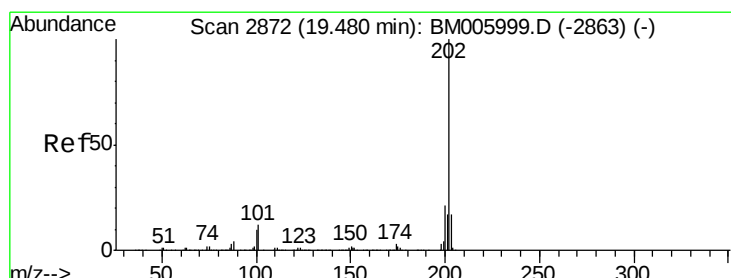
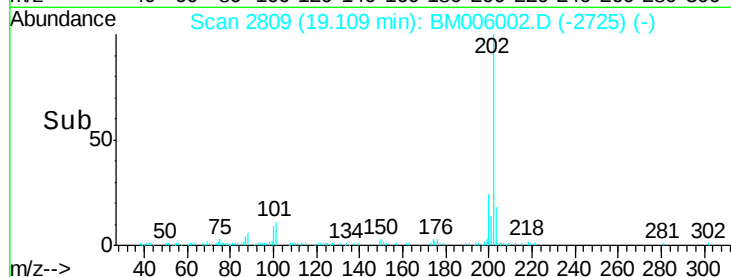
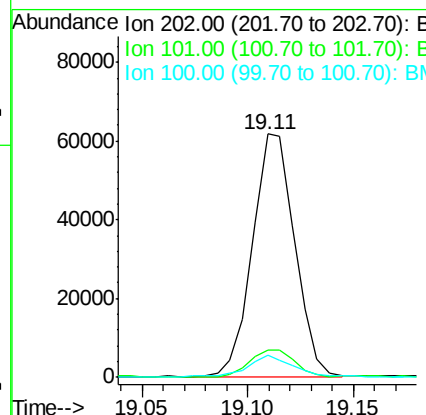
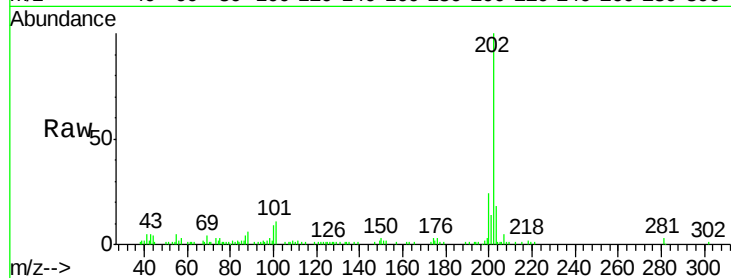




#28
Fluoranthene
Concen: 0.54 ng/ul
RT: 19.11 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BM006002.D
Acq: 25 Jun 2016 15:38

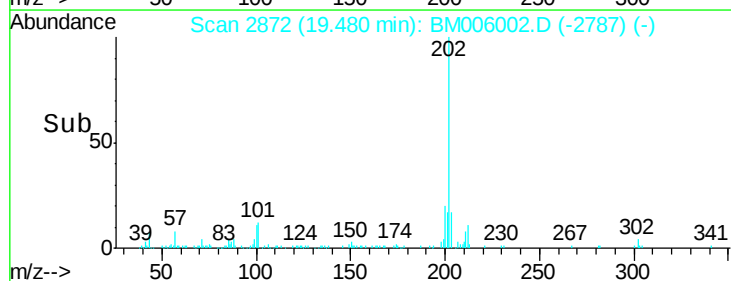
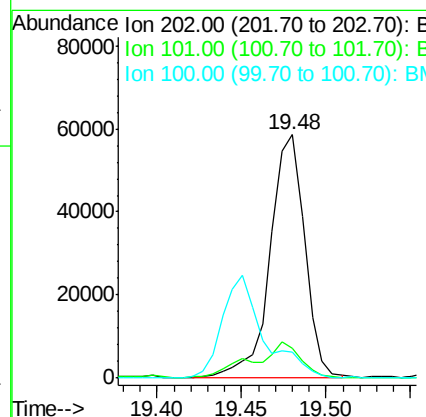
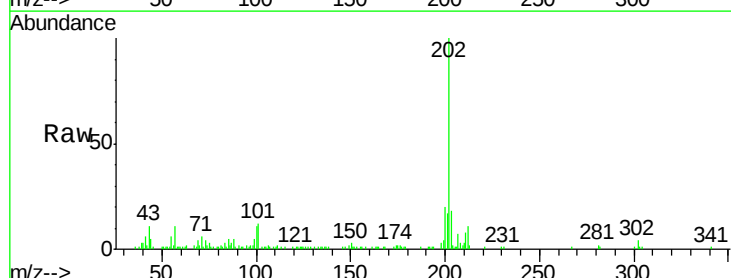
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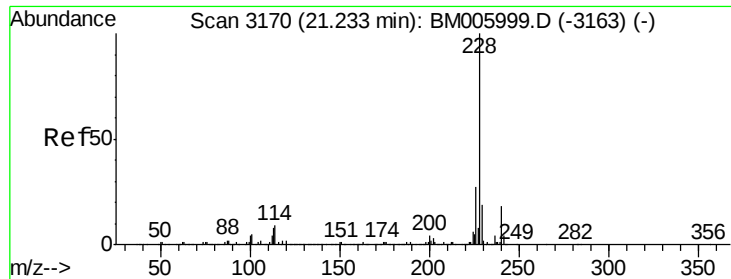
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.2	12.4
100	8.9	6.3	9.5



#31
Pyrene
Concen: 0.51 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BM006002.D
Acq: 25 Jun 2016 15:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.6
100	10.6	8.2	12.2





#32

Benzo(a)anthracene

Concen: 0.34 ng/ul

RT: 21.23 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

Instrument :

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ClientSampleId :

D9Y60

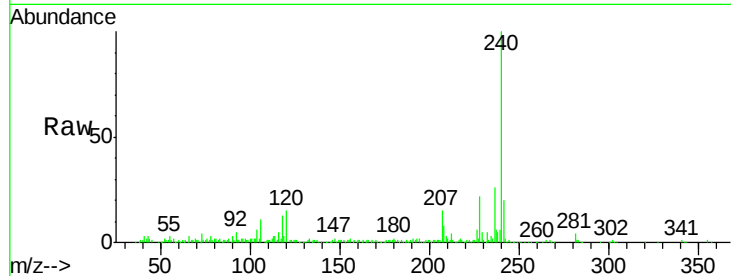
Tgt Ion:228 Resp: 56796

Ion Ratio Lower Upper

228 100

229 21.8 15.8 23.6

226 28.3 21.5 32.3

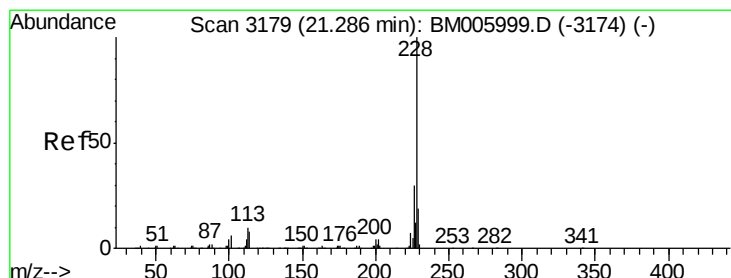
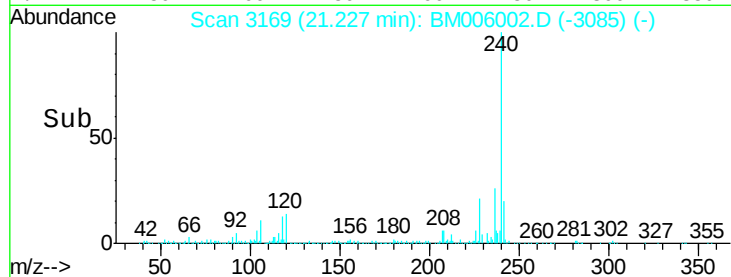
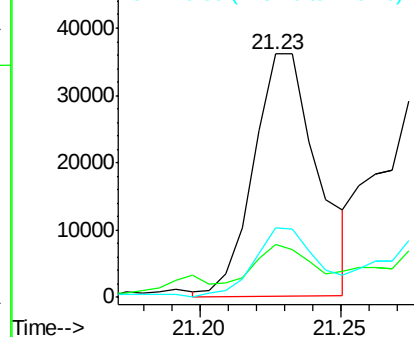


Abundance

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: 0.51 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

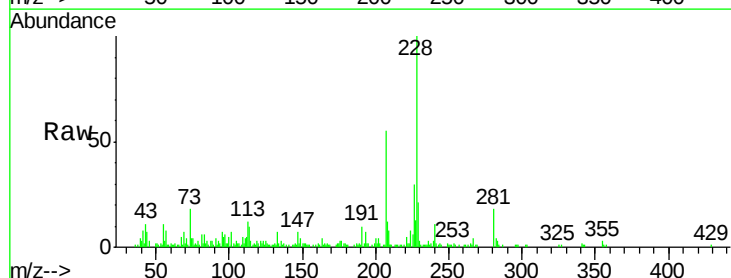
Tgt Ion:228 Resp: 77584

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.0 15.4 23.2

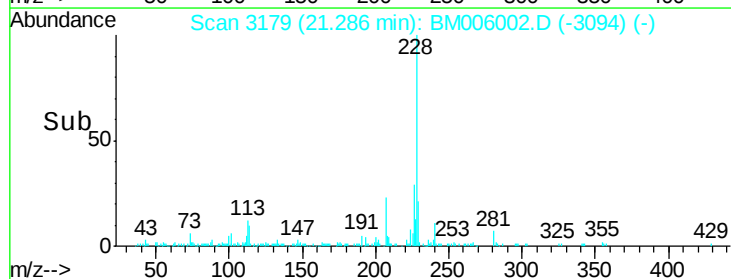
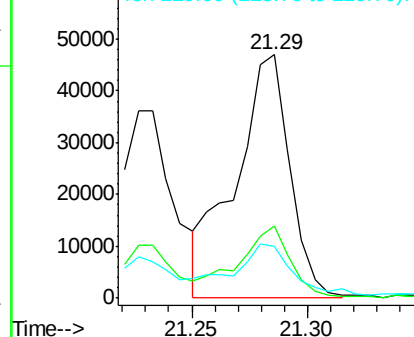


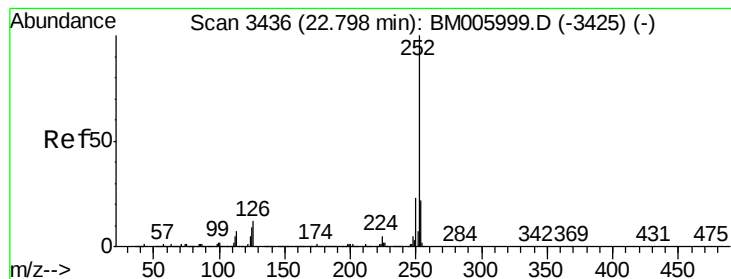
Abundance

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: 0.74 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

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ClientSampleId :

D9Y60

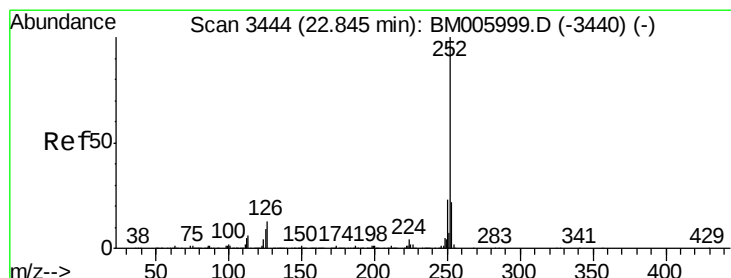
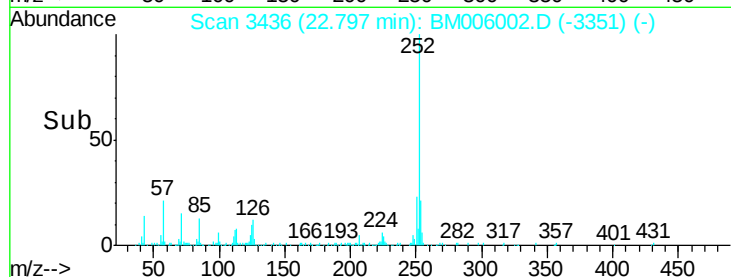
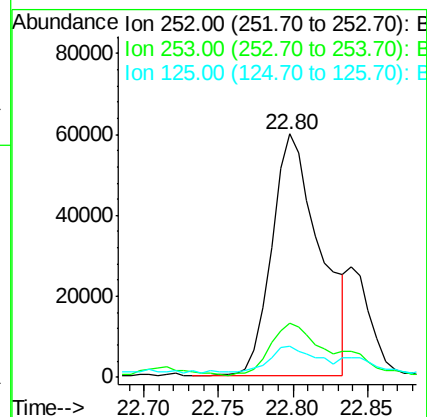
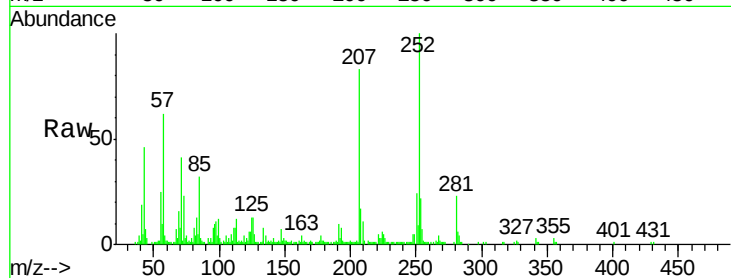
Tgt Ion:252 Resp: 133963

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 13.0 6.8 10.2#



#36

Benzo(k)fluoranthene

Concen: 0.80 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

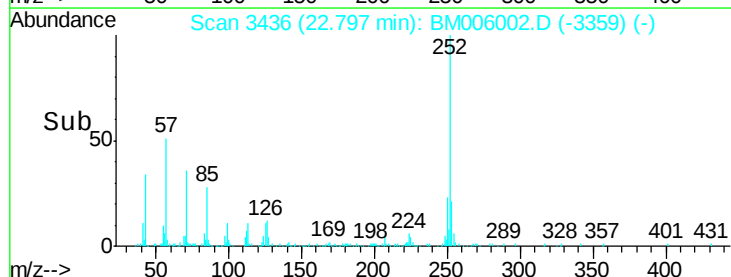
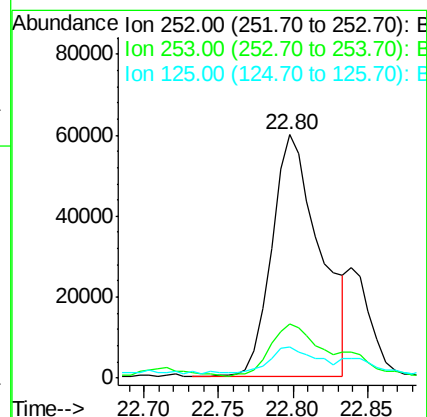
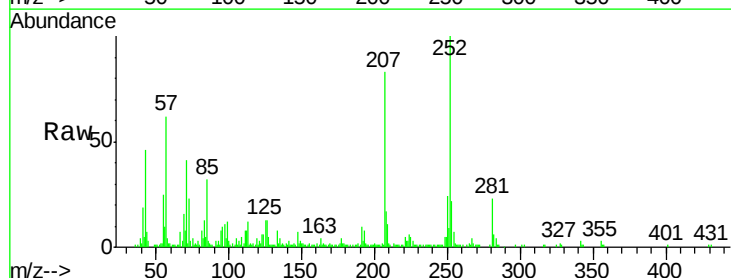
Tgt Ion:252 Resp: 133963

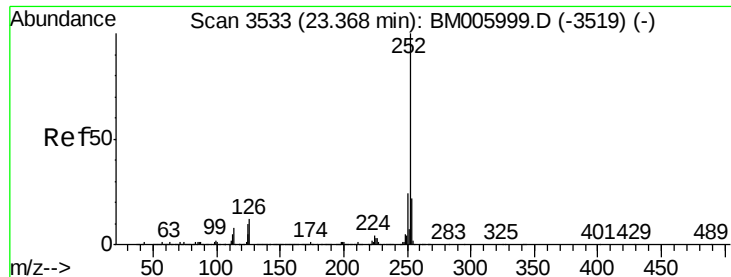
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 13.0 7.0 10.4#





#38

Benzo(a)pyrene

Concen: 0.36 ng/ul

RT: 23.37 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

Instrument :

BNA_M

ClientSampleId :

D9Y60

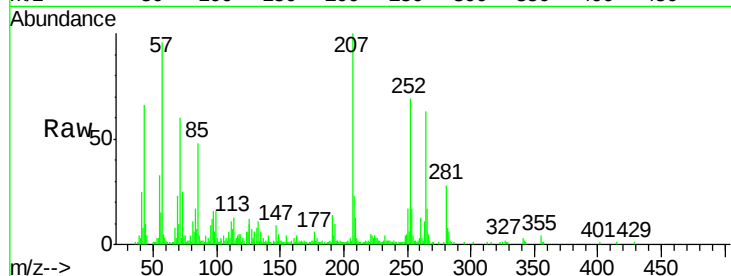
Tgt Ion:252 Resp: 62887

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

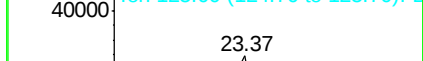
125 16.6 7.8 11.6#



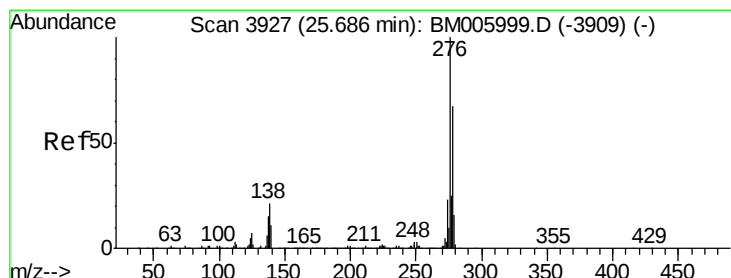
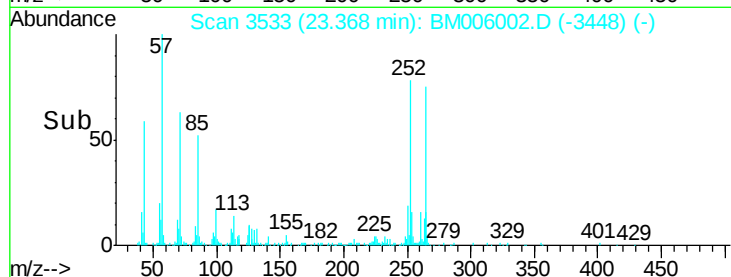
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.30 23.35 23.40 23.45



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng/ul

RT: 25.67 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

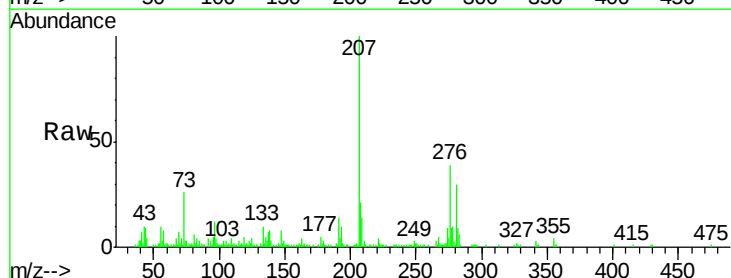
Tgt Ion:276 Resp: 52791

Ion Ratio Lower Upper

276 100

138 20.4 16.6 25.0

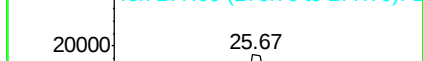
277 22.9 19.6 29.4



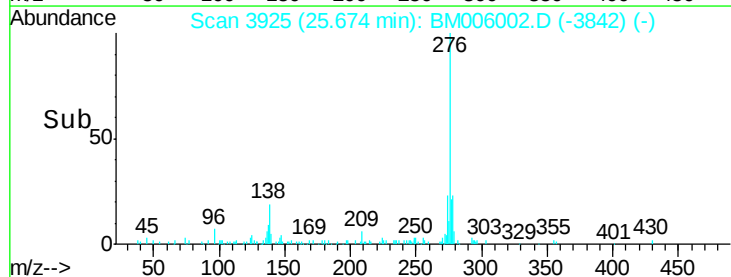
Abundance Ion 276.00 (275.70 to 276.70): E

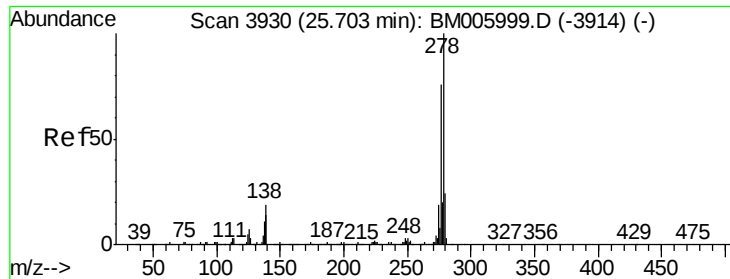
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time--> 25.60 25.70





#40

Dibenzo(a,h)anthracene

Concen: 0.10 ng/ul

RT: 25.68 min Scan# 3926

Delta R.T. -0.02 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

Instrument :

BNA_M

ClientSampleId :

D9Y60

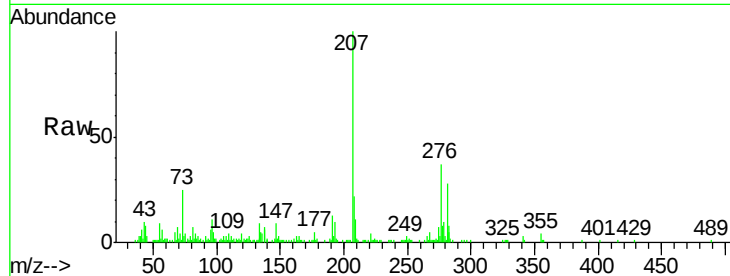
Tgt Ion:278 Resp: 16772

Ion Ratio Lower Upper

278 100

139 20.9 11.4 17.2#

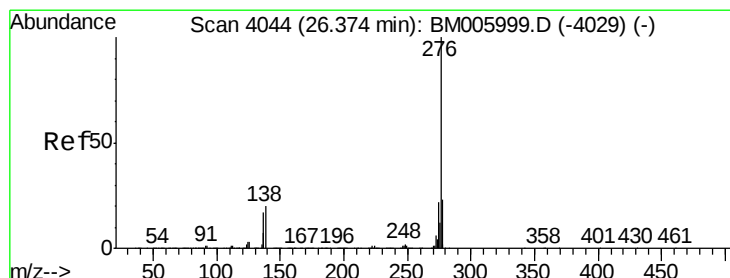
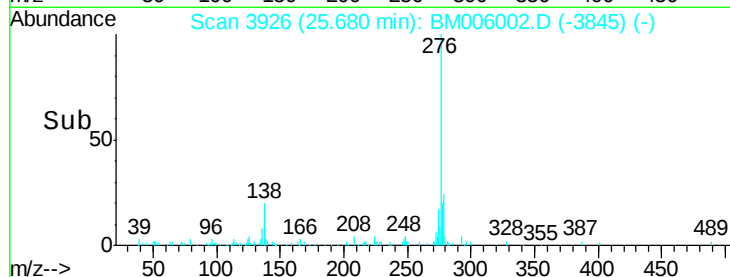
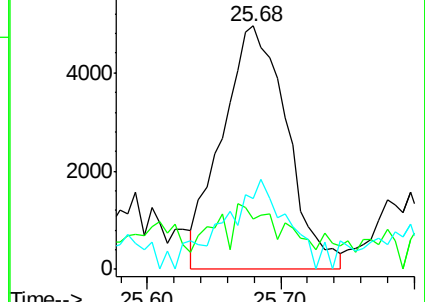
279 29.1 18.8 28.2#



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: 0.27 ng/ul

RT: 26.36 min Scan# 4041

Delta R.T. -0.02 min

Lab File: BM006002.D

Acq: 25 Jun 2016 15:38

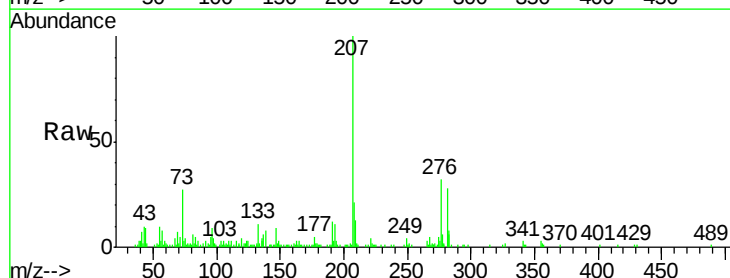
Tgt Ion:276 Resp: 48995

Ion Ratio Lower Upper

276 100

138 25.5 15.9 23.9#

277 19.8 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

