

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
 Data File : BM006057.D
 Acq On : 27 Jun 2016 01:47
 Operator : UM/SJ
 Sample : H3671-12MS 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA5MS

Quant Time: Jun 27 05:19:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 27 05:15:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	330849	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1568632	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	910824	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	2004873	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1446617	20.00	ng/ul	0.01
34) Perylene-d12	23.47	264	1351373	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5029	0.68	ng/uL	0.00
3) Phenol-d5	6.83	99	294915	8.47	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	190591	9.84	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	239156	9.87	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	187550	6.38	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	127923	10.71	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	134172	10.10	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	260520	10.22	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	166866	6.03	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	820982	10.53	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1055269	11.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	102782	6.18	ng/ul	0.01
21) Fluorene-d10	15.30	176	742180	11.15	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	38722	3.48	ng/ul	0.01
26) Anthracene-d10	17.16	188	1109784	12.05	ng/ul	0.00
30) Pyrene-d10	19.46	212	1066997	16.84	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.33	264	738129	12.10	ng/ul	0.01

Target Compounds

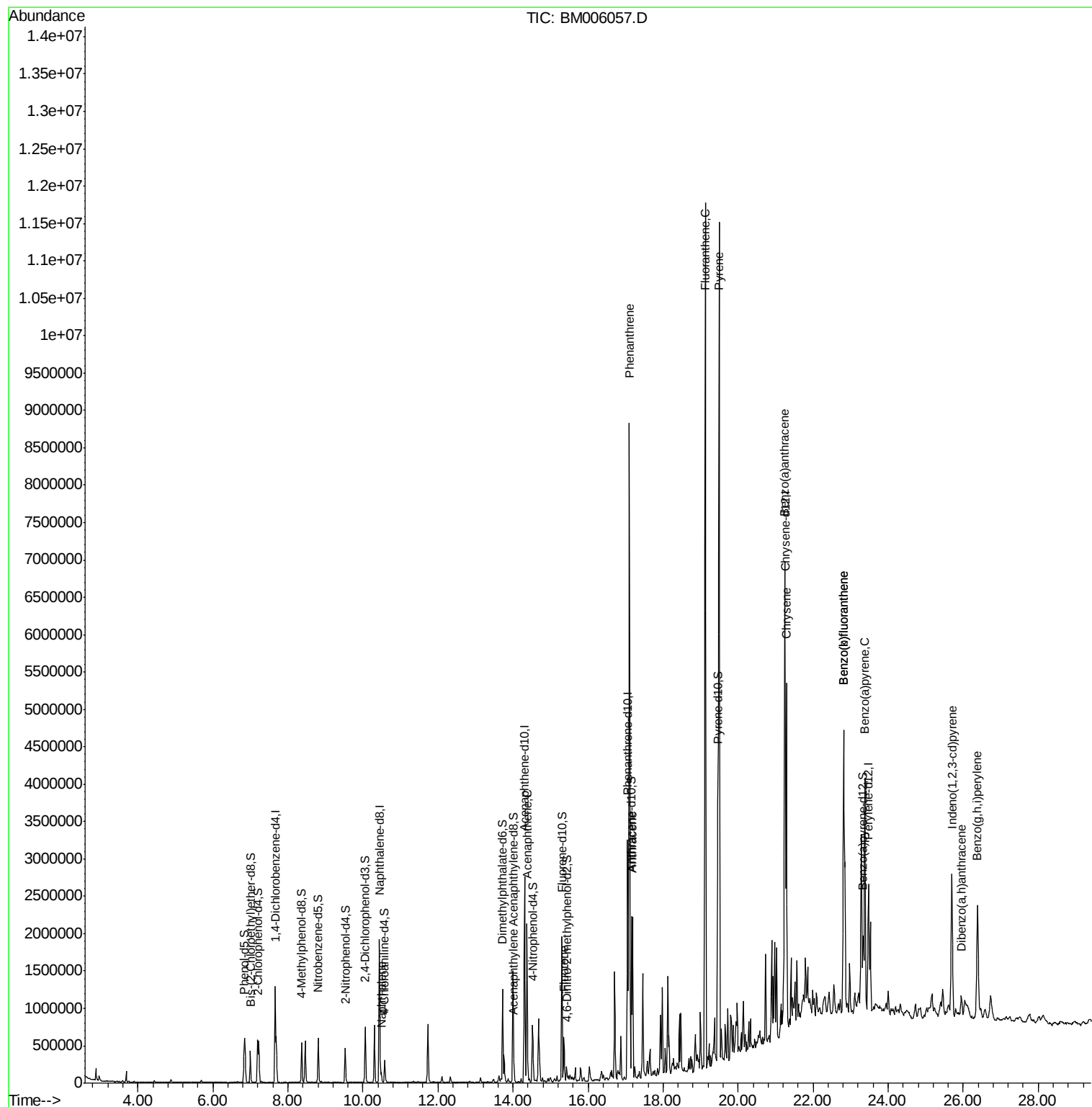
						Qvalue
11) Naphthalene	10.49	128	93905	1.20	ng/ul	99
18) Acenaphthylene	14.03	152	158635	1.66	ng/ul	99
19) Acenaphthene	14.37	153	858349	14.17	ng/ul	99
22) Fluorene	15.36	166	264522	3.63	ng/ul	98
25) Phenanthrene	17.10	178	5596714	51.90	ng/ul	99
27) Anthracene	17.19	178	1277461	11.47	ng/ul	100
28) Fluoranthene	19.13	202	8045126	58.24	ng/ul	97
31) Pyrene	19.49	202	7805966	94.26	ng/ul	97
32) Benzo(a)anthracene	21.24	228	2830832	32.94	ng/ul	98
33) Chrysene	21.29	228	2638152	33.61	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	3236316	41.22	ng/ul	98
36) Benzo(k)fluoranthene	22.82	252	3236316	44.31	ng/ul	98
38) Benzo(a)pyrene	23.38	252	2307333	30.65	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.70	276	1957010	21.81	ng/ul	98
40) Dibenzo(a,h)anthracene	25.96	278	300907	4.03	ng/ul	96
41) Benzo(g,h,i)perylene	26.38	276	2059876	26.54	ng/ul	99

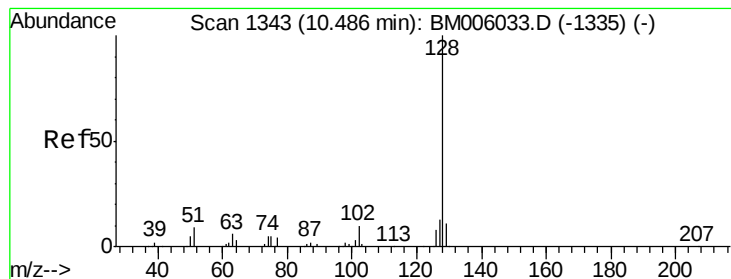
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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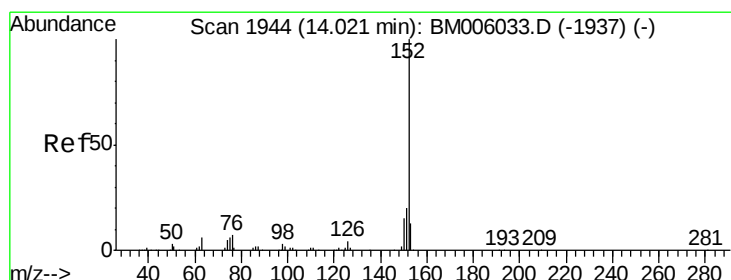
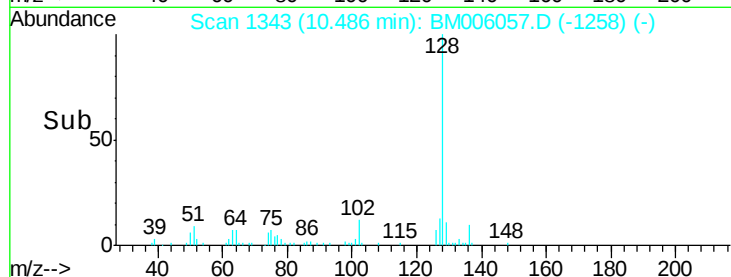
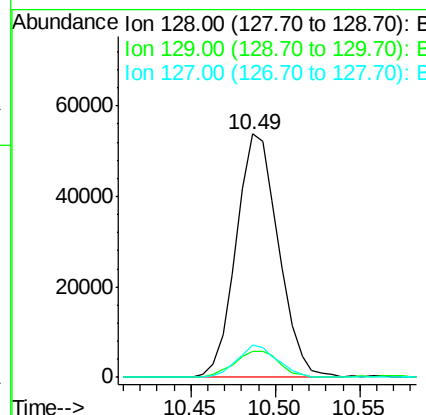
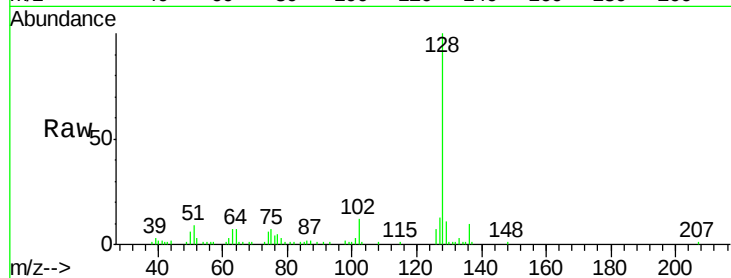




#11
Naphthalene
Concen: 1.20 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

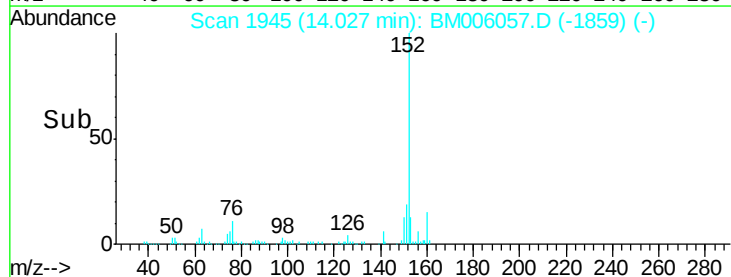
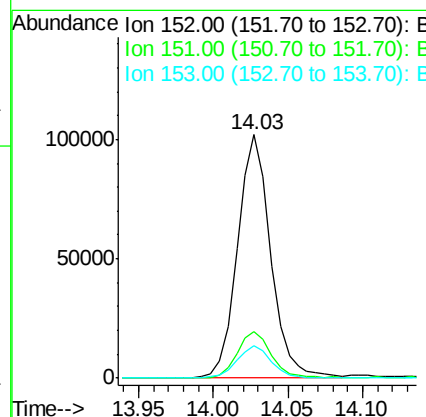
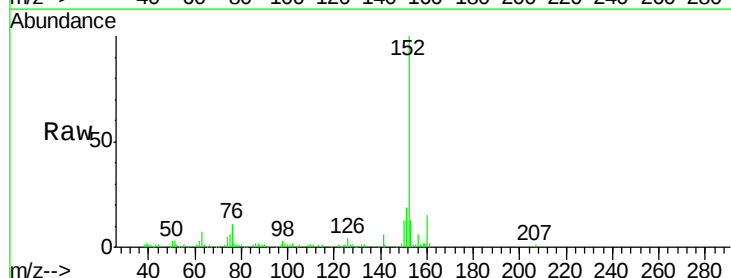
Instrument :
BNA_M
ClientSampleId :
D9YA5MS

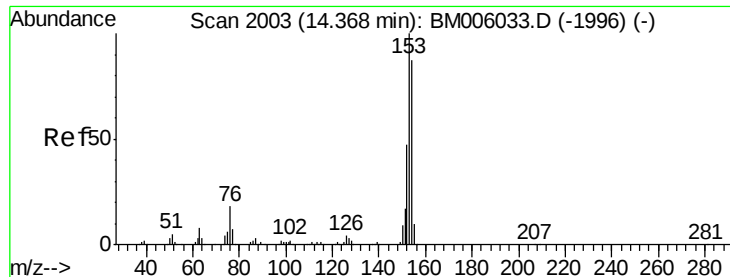
Tgt Ion:128 Resp: 93905
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.4 10.2 15.4



#18
Acenaphthylene
Concen: 1.66 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006057.D
Acq: 27 Jun 2016 01:47

Tgt Ion:152 Resp: 158635
Ion Ratio Lower Upper
152 100
151 19.0 15.5 23.3
153 13.4 10.5 15.7





#19

Acenaphthene

Concen: 14.17 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Instrument :

BNA_M

ClientSampleId :

D9YA5MS

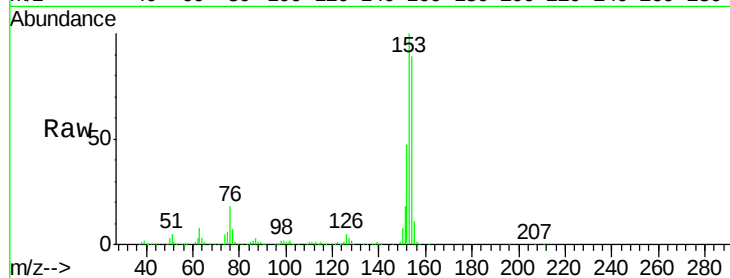
Tgt Ion:153 Resp: 858349

Ion Ratio Lower Upper

153 100

152 47.4 38.6 57.8

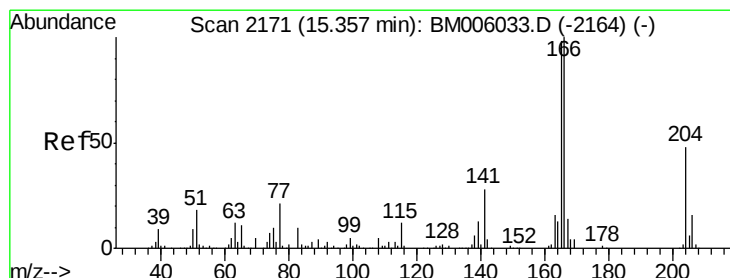
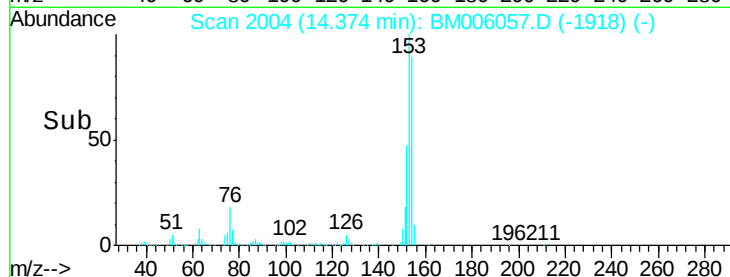
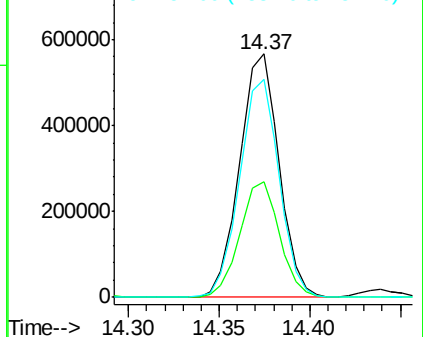
154 89.4 70.7 106.1



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



#22

Fluorene

Concen: 3.63 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

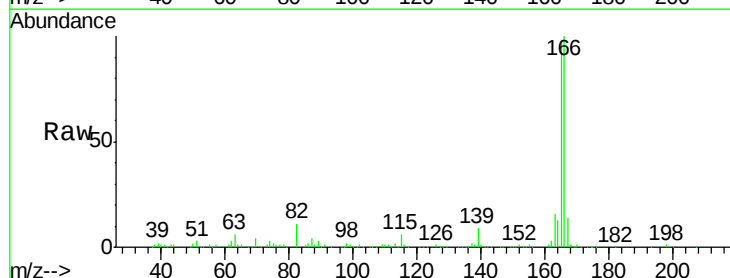
Tgt Ion:166 Resp: 264522

Ion Ratio Lower Upper

166 100

165 97.8 76.8 115.2

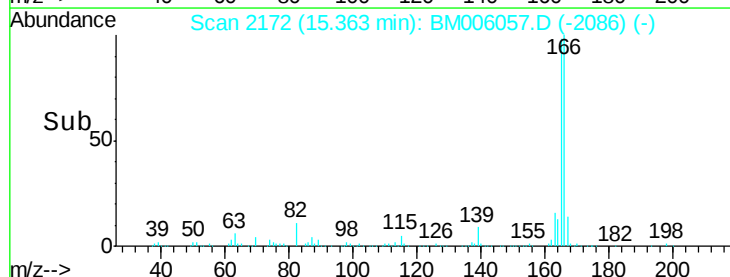
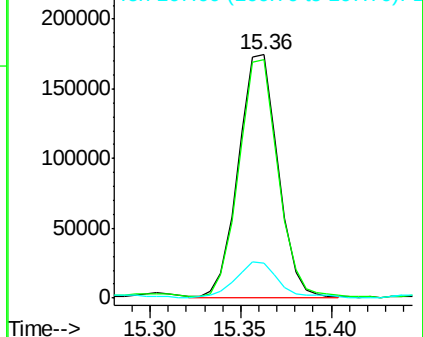
167 14.1 10.8 16.2

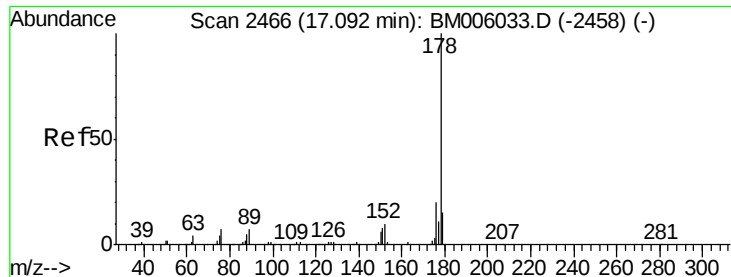


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 51.90 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Instrument :

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ClientSampleId :

D9YA5MS

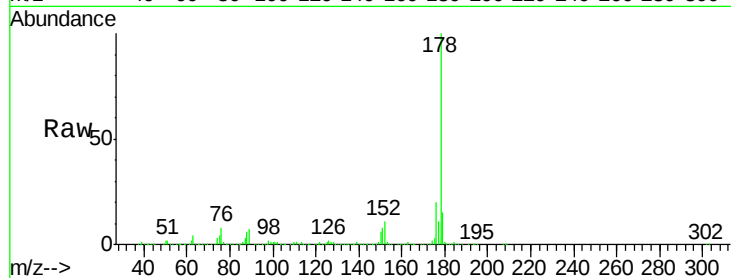
Tgt Ion:178 Resp: 5596714

Ion Ratio Lower Upper

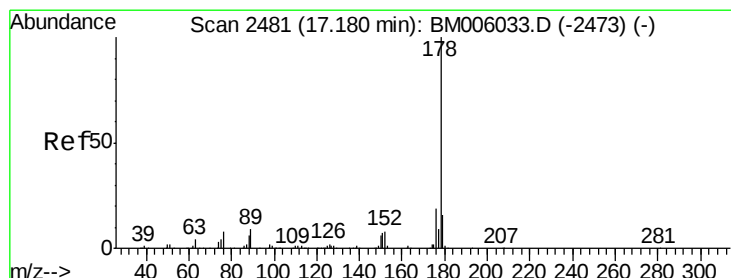
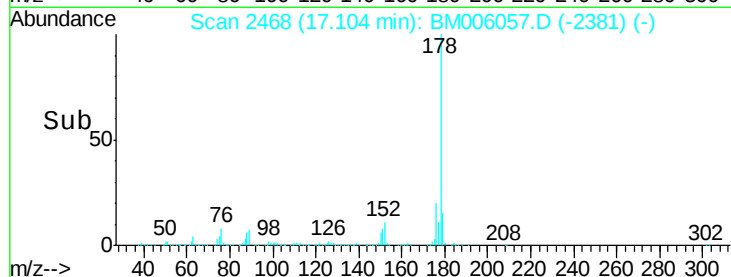
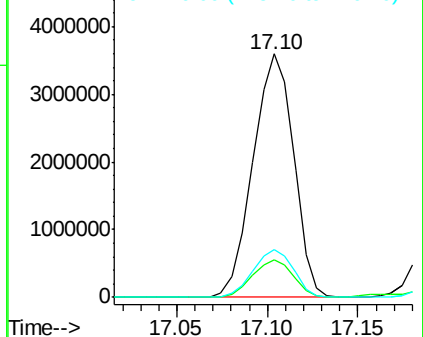
178 100

179 15.3 12.1 18.1

176 19.6 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: 11.47 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

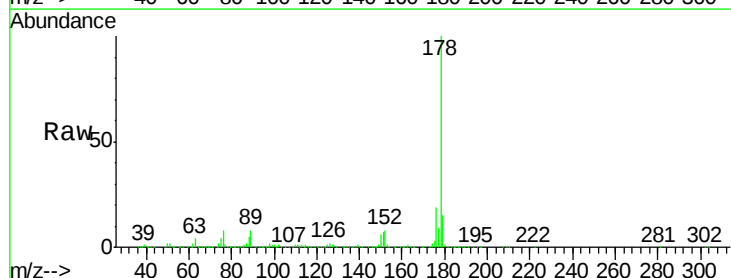
Tgt Ion:178 Resp: 1277461

Ion Ratio Lower Upper

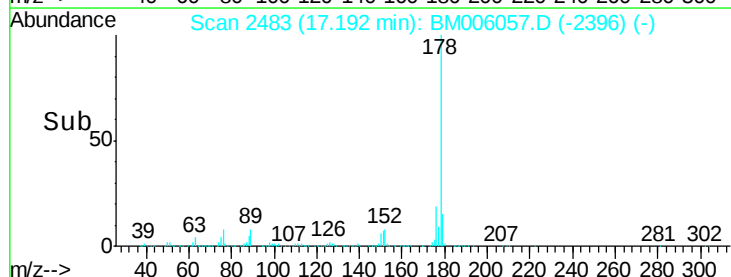
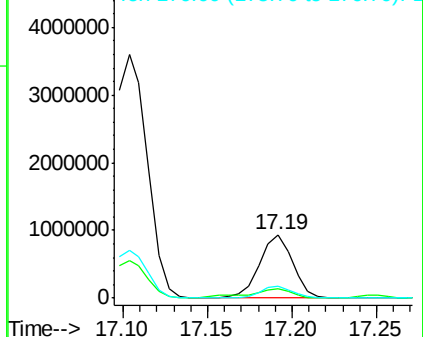
178 100

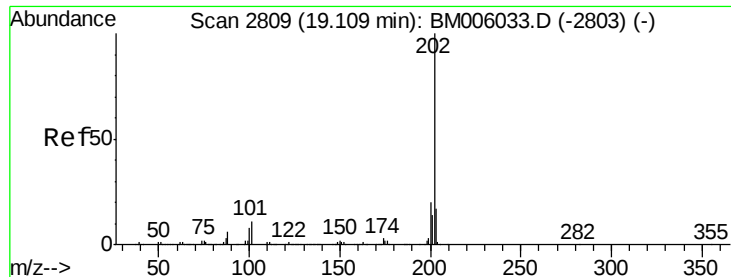
179 15.0 12.2 18.4

176 18.5 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: 58.24 ng/ul

RT: 19.13 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Instrument :

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ClientSampleId :

D9YA5MS

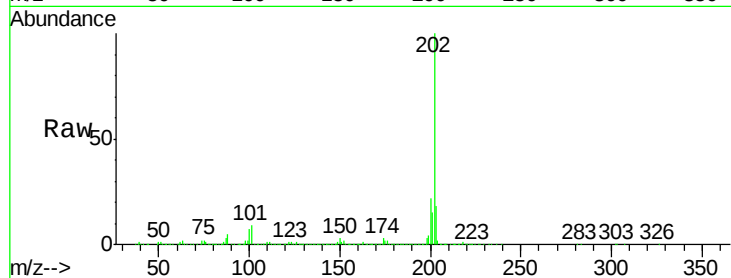
Tgt Ion:202 Resp: 8045126

Ion Ratio Lower Upper

202 100

101 9.4 8.2 12.4

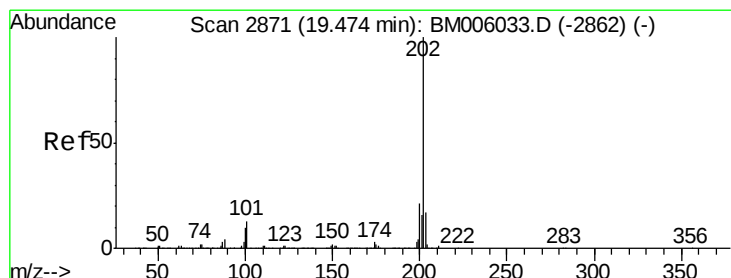
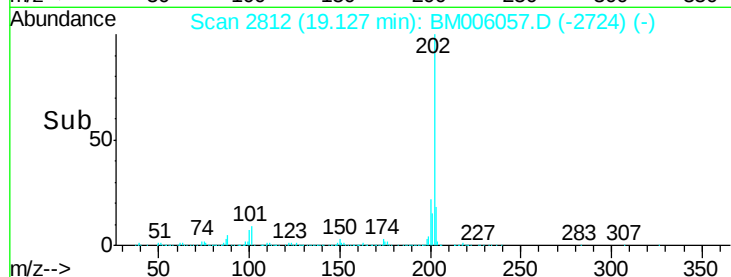
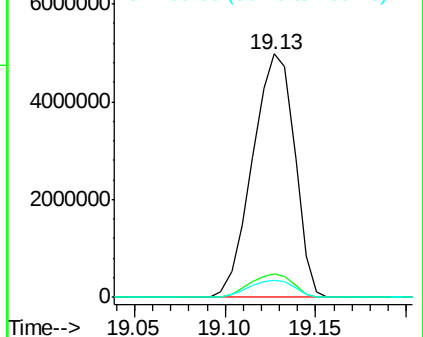
100 6.9 6.3 9.5



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: 94.26 ng/ul

RT: 19.49 min Scan# 2874

Delta R.T. 0.02 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

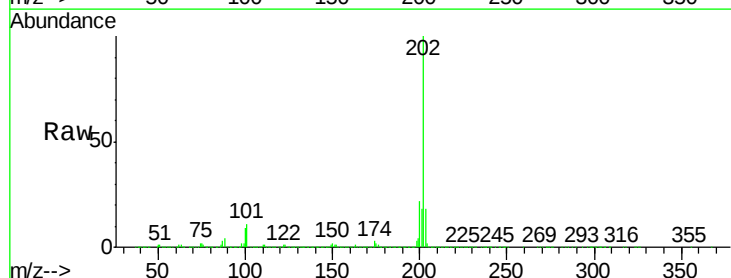
Tgt Ion:202 Resp: 7805966

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.6

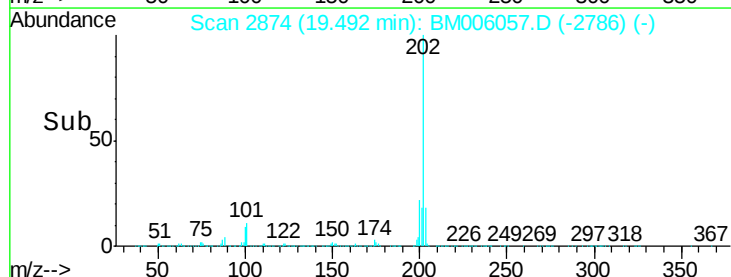
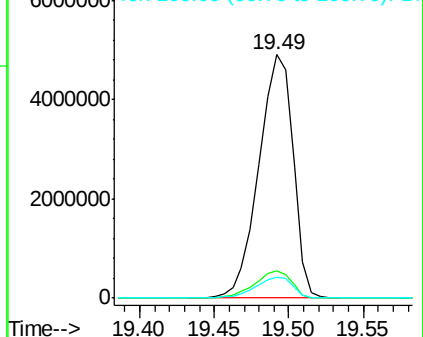
100 8.8 8.2 12.2

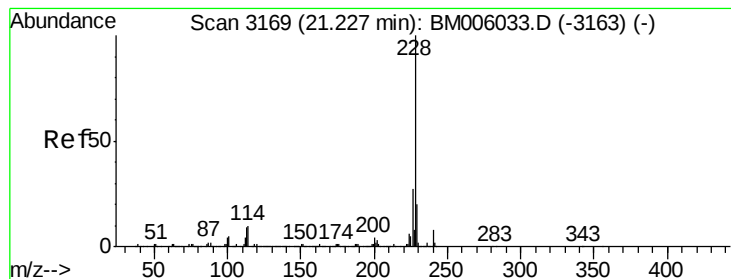


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 32.94 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

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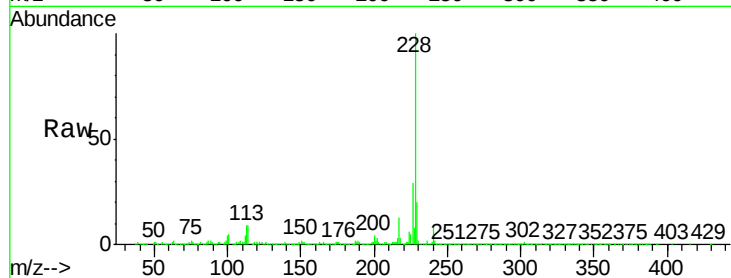
Tgt Ion:228 Resp: 2830832

Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.6

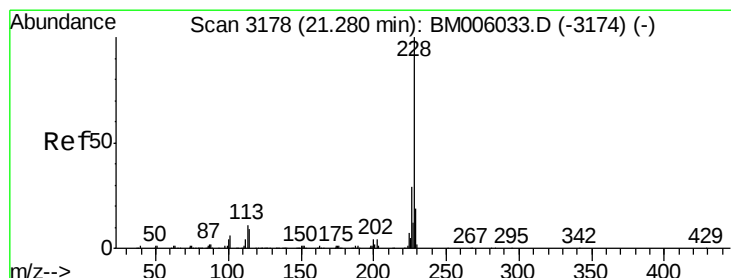
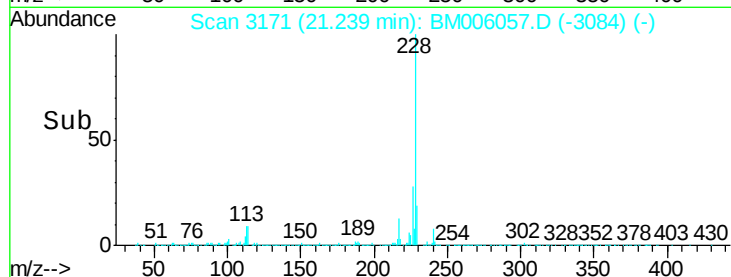
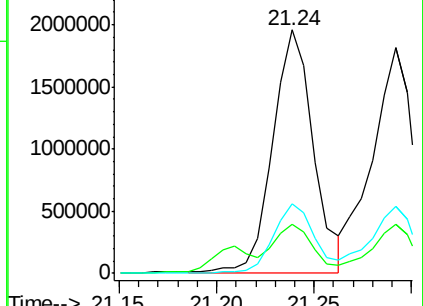
226 28.6 21.5 32.3



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: 33.61 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

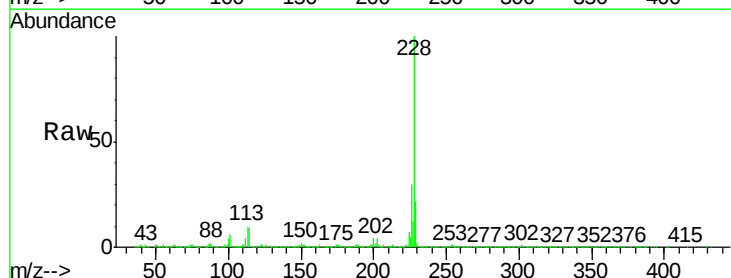
Tgt Ion:228 Resp: 2638152

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

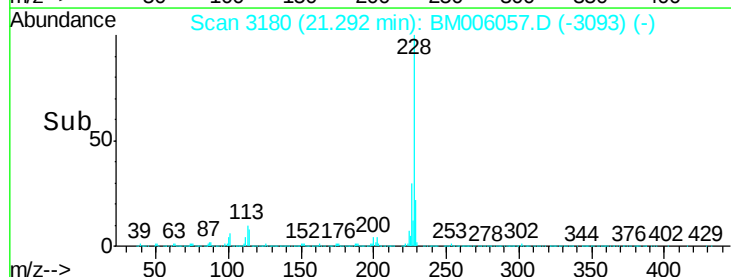
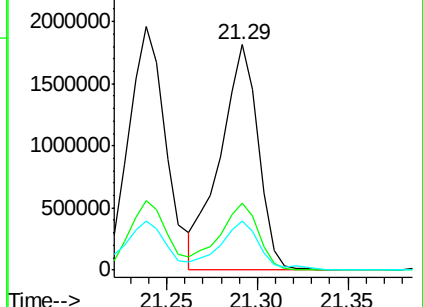
229 21.9 15.4 23.2

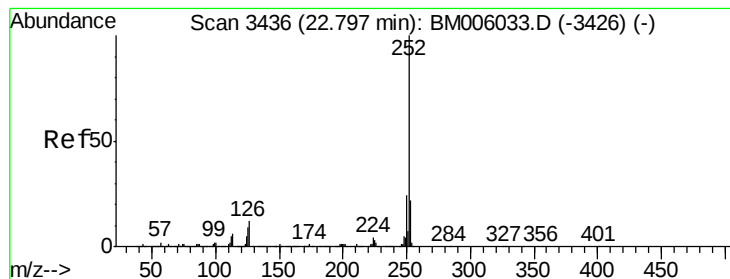


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 41.22 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. 0.02 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

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BNA_M

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D9YA5MS

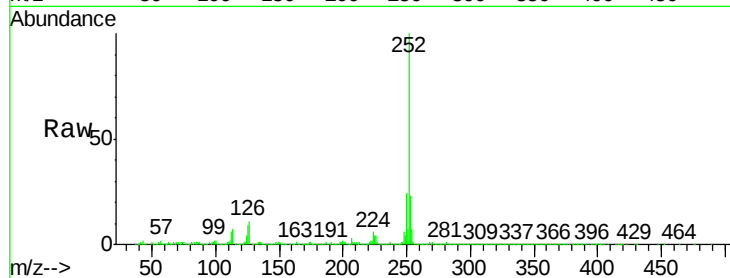
Tgt Ion:252 Resp: 3236316

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

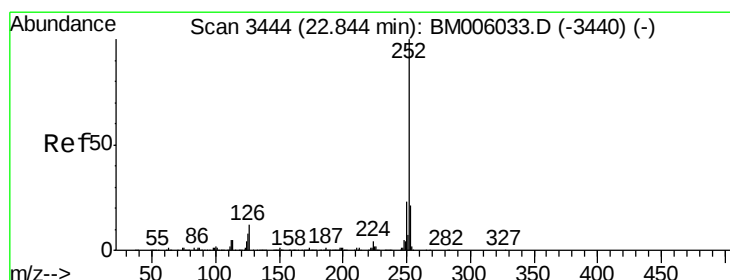
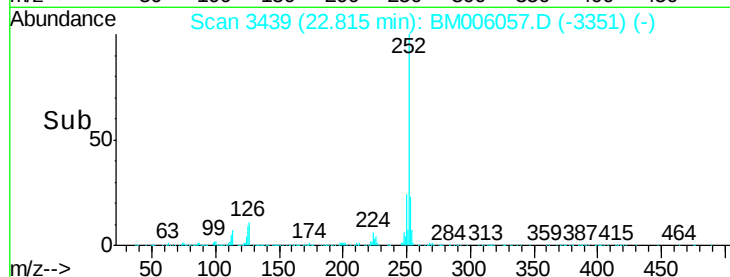
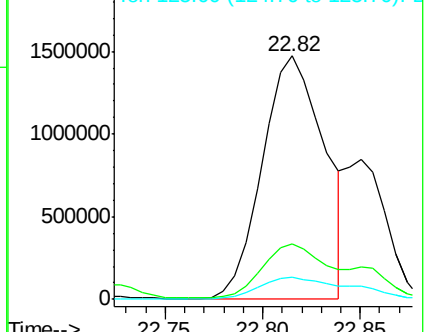
125 9.0 6.8 10.2



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: 44.31 ng/ul

RT: 22.82 min Scan# 3439

Delta R.T. -0.03 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

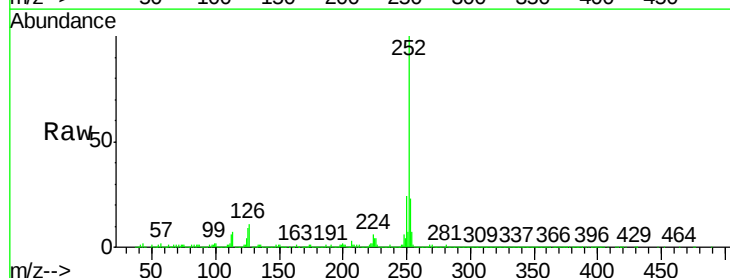
Tgt Ion:252 Resp: 3236316

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

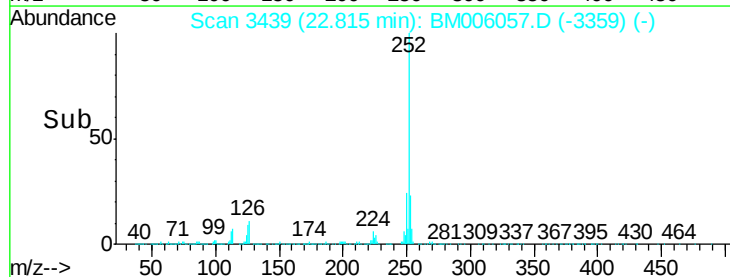
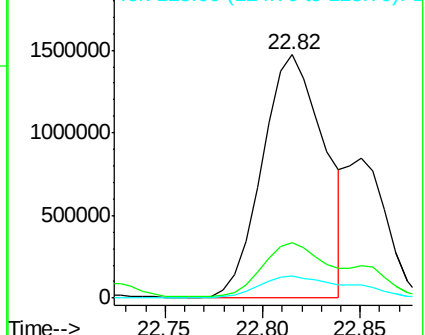
125 9.0 7.0 10.4

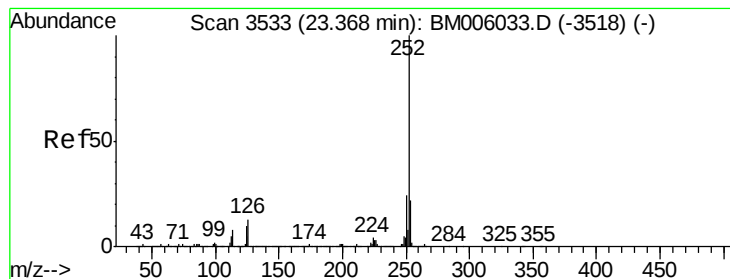


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 30.65 ng/ul

RT: 23.38 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Instrument :

BNA_M

ClientSampleId :

D9YA5MS

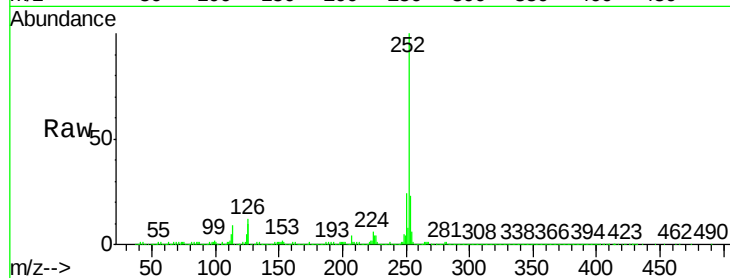
Tgt Ion:252 Resp: 2307333

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

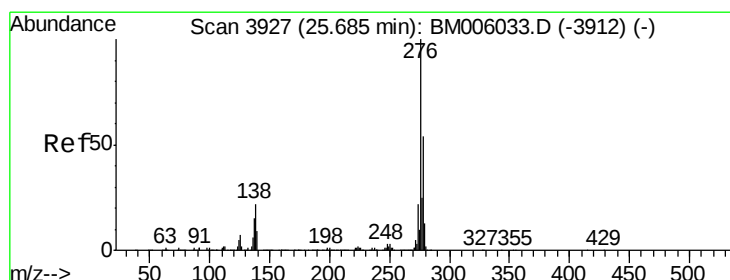
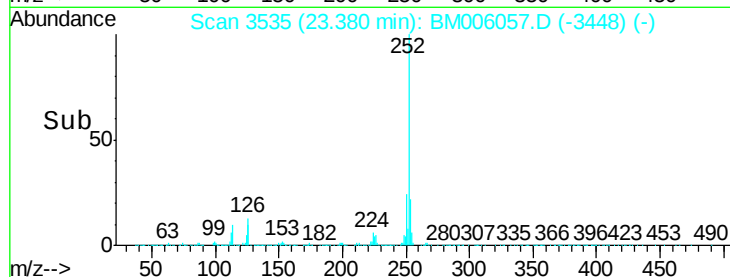
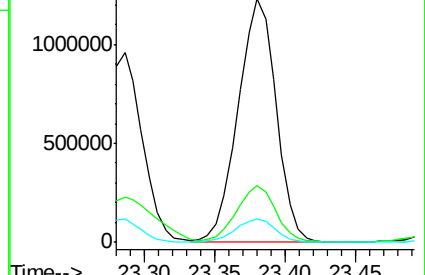
125 9.8 7.8 11.6



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: 21.81 ng/ul

RT: 25.70 min Scan# 3929

Delta R.T. 0.01 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

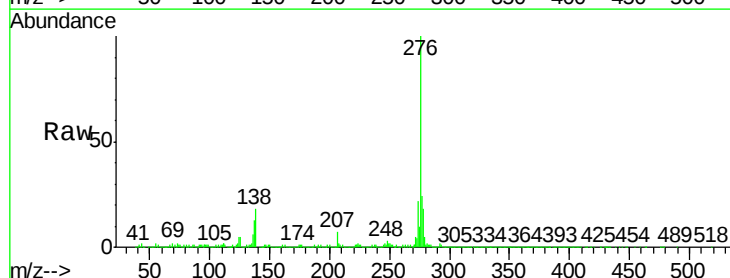
Tgt Ion:276 Resp: 1957010

Ion Ratio Lower Upper

276 100

138 18.5 16.6 25.0

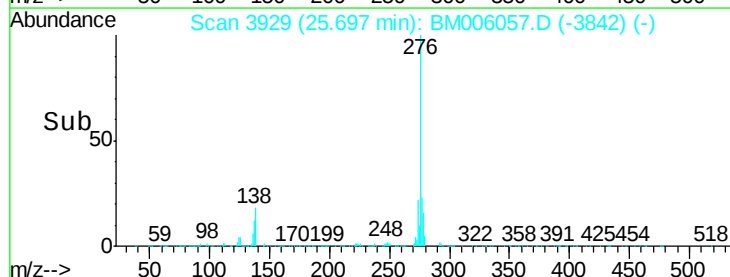
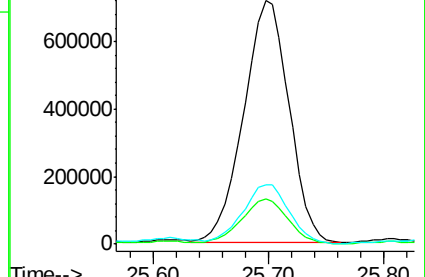
277 24.4 19.6 29.4

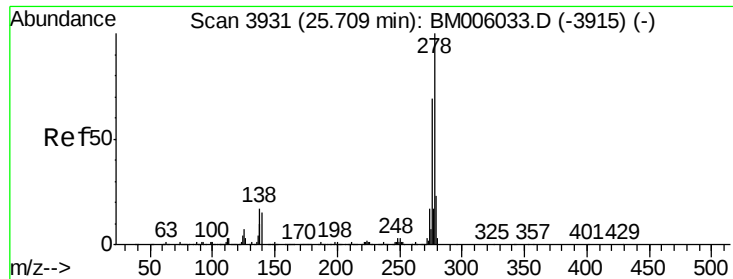


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 4.03 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. 0.25 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

Instrument :

BNA_M

ClientSampleId :

D9YA5MS

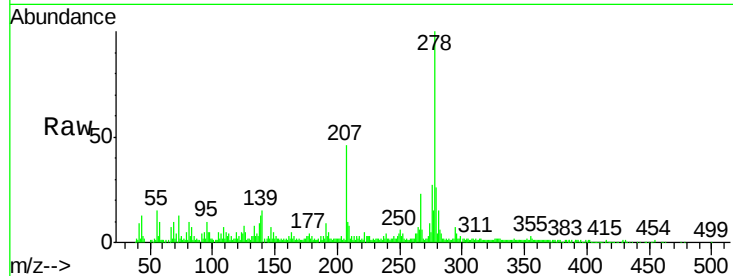
Tgt Ion:278 Resp: 300907

Ion Ratio Lower Upper

278 100

139 15.1 11.4 17.2

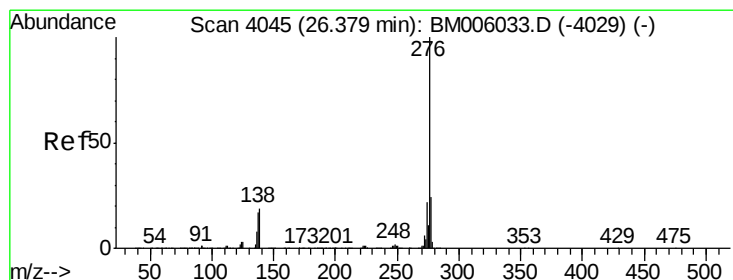
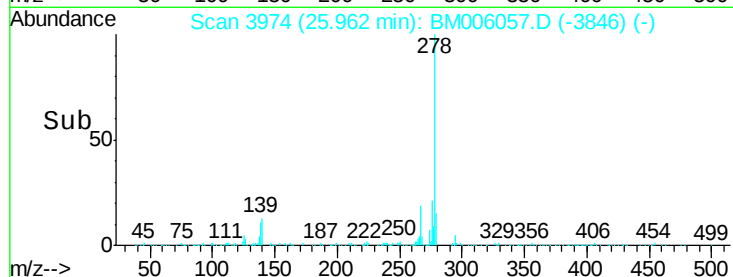
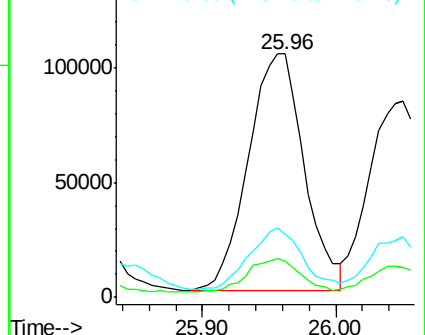
279 25.7 18.8 28.2



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: 26.54 ng/ul

RT: 26.38 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BM006057.D

Acq: 27 Jun 2016 01:47

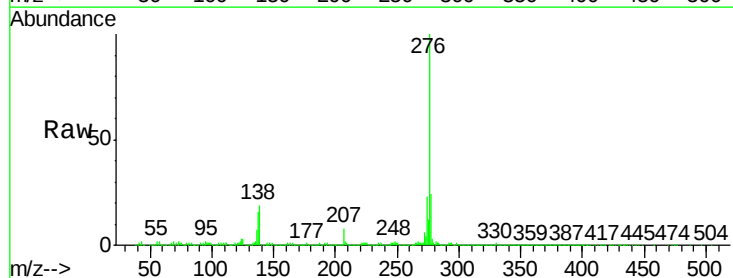
Tgt Ion:276 Resp: 2059876

Ion Ratio Lower Upper

276 100

138 19.2 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

