

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
 Data File : BM006084.D
 Acq On : 27 Jun 2016 23:45
 Operator : UM/SJ
 Sample : H3779-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YD4

Quant Time: Jun 28 02:14:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 28 02:11:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	198922	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1005286	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	660543	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1676396	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1746841	20.00	ng/ul	0.00
34) Perylene-d12	23.51	264	1645497	20.00	ng/ul	0.03

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	5448	1.22	ng/uL	0.00
3) Phenol-d5	6.83	99	305720	14.61	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.00	67	174303	14.97	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	226552	15.54	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	257673	14.59	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	115437	15.08	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	124807	14.66	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	258133	15.80	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	290020	16.36	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	820492	14.51	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1076734	16.42	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	136458	11.31	ng/ul	-0.02
21) Fluorene-d10	15.30	176	780353	16.16	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	60669	6.52	ng/ul	-0.01
26) Anthracene-d10	17.16	188	1299910	16.88	ng/ul	0.00
30) Pyrene-d10	19.46	212	1488016	19.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.36	264	1220600	16.43	ng/ul	0.02

Target Compounds

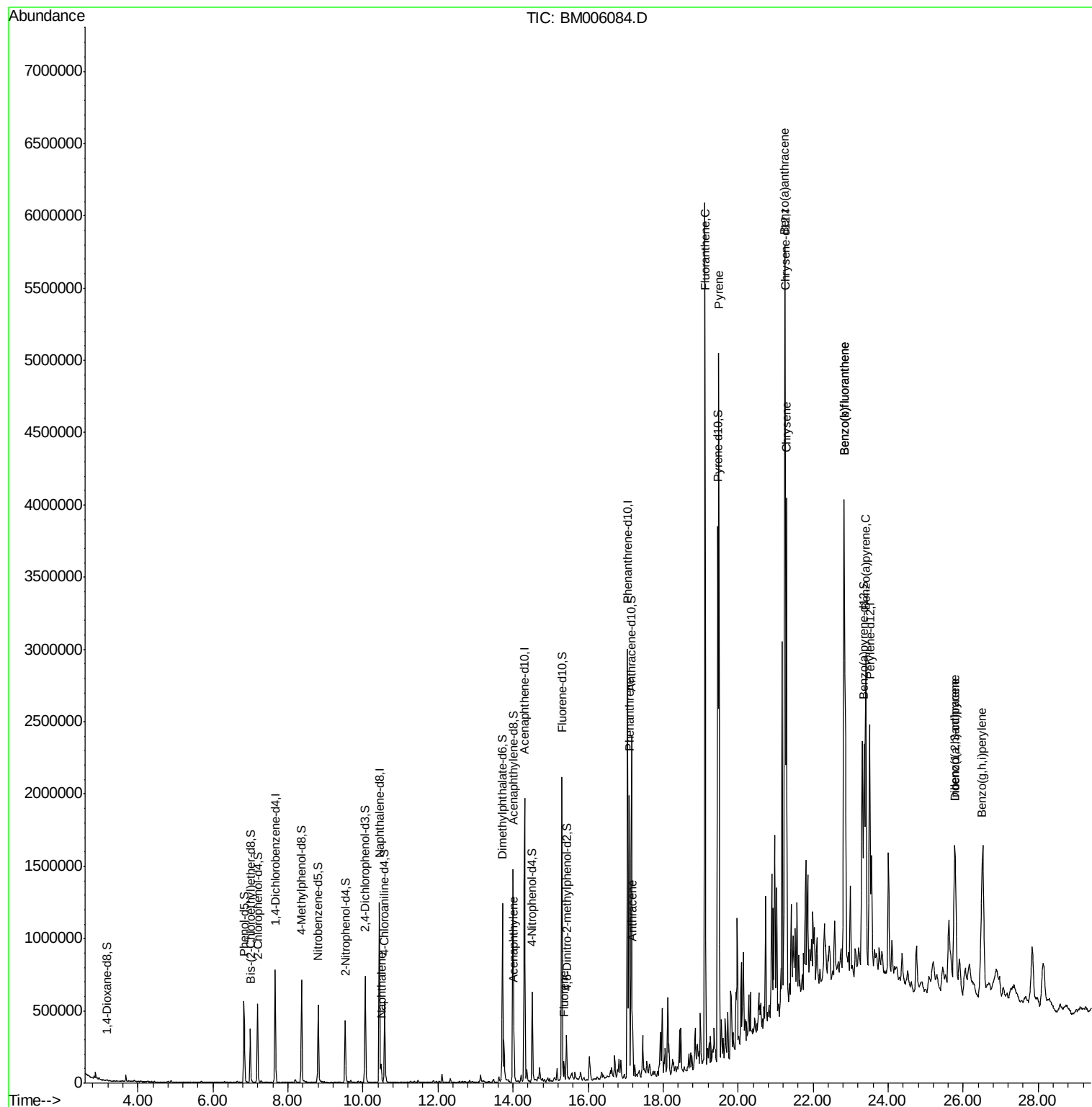
						Qvalue
11) Naphthalene	10.49	128	96626	1.92	ng/ul	99
18) Acenaphthylene	14.03	152	233563	3.38	ng/ul	99
22) Fluorene	15.36	166	54396	1.03	ng/ul	99
25) Phenanthrene	17.10	178	1158230	12.84	ng/ul	100
27) Anthracene	17.19	178	365477	3.93	ng/ul	99
28) Fluoranthene	19.12	202	3692883	31.97	ng/ul	98
31) Pyrene	19.49	202	3084444	30.84	ng/ul	96
32) Benzo(a)anthracene	21.24	228	2102932	20.27	ng/ul	96
33) Chrysene	21.29	228	2028654	21.40	ng/ul	97
35) Benzo(b)fluoranthene	22.83	252	2973390	31.10	ng/ul	98
36) Benzo(k)fluoranthene	22.83	252	2973390	33.43	ng/ul	98
38) Benzo(a)pyrene	23.40	252	1891046	20.63	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.78	276	1437940	13.16	ng/ul#	94
40) Dibenzo(a,h)anthracene	25.77	278	358310	3.94	ng/ul	94
41) Benzo(g,h,i)perylene	26.50	276	1203906	12.74	ng/ul	98

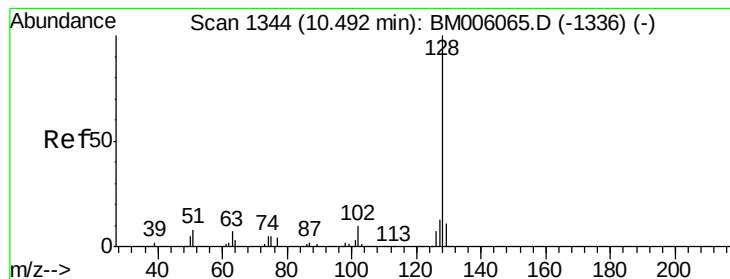
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062716\
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Quant Title : SVOA CALIBRATION
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#11

Naphthalene

Concen: 1.92 ng/ul

RT: 10.49 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

Instrument :

BNA_M

ClientSampleId :

D9YD4

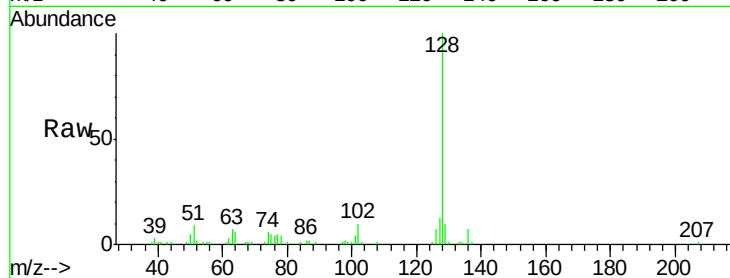
Tgt Ion:128 Resp: 96626

Ion Ratio Lower Upper

128 100

129 10.1 8.9 13.3

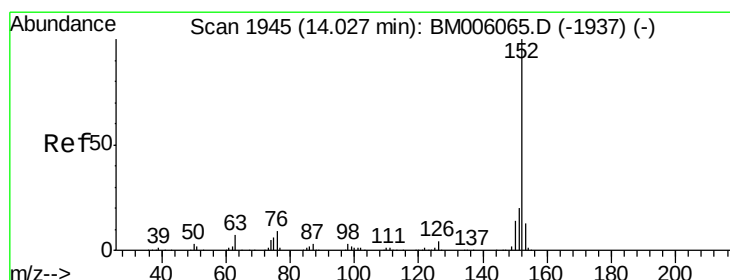
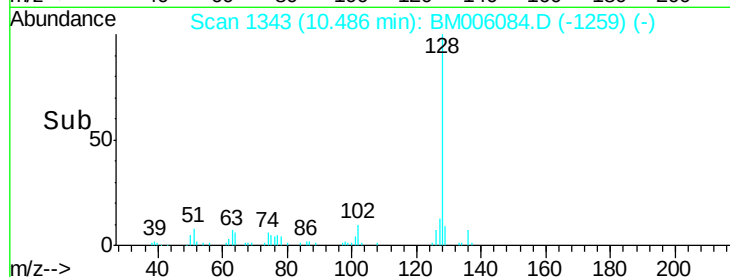
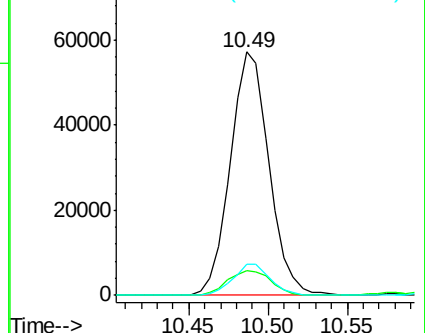
127 13.0 10.5 15.7



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



#18

Acenaphthylene

Concen: 3.38 ng/ul

RT: 14.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

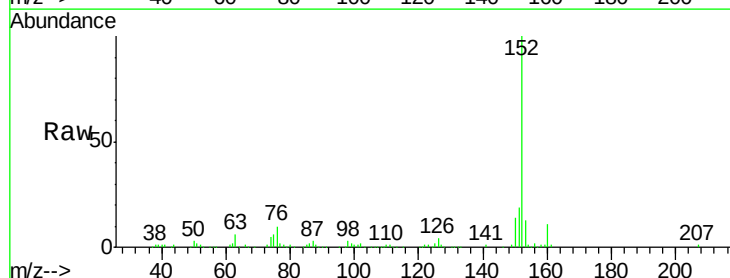
Tgt Ion:152 Resp: 233563

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

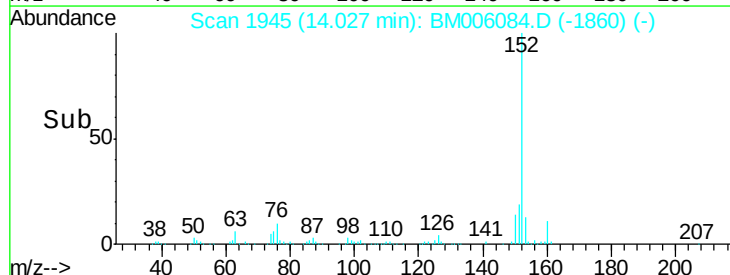
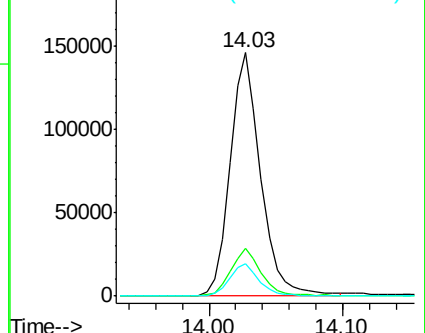
153 13.3 10.3 15.5

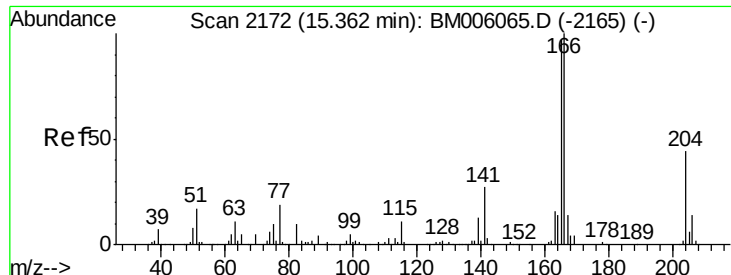


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

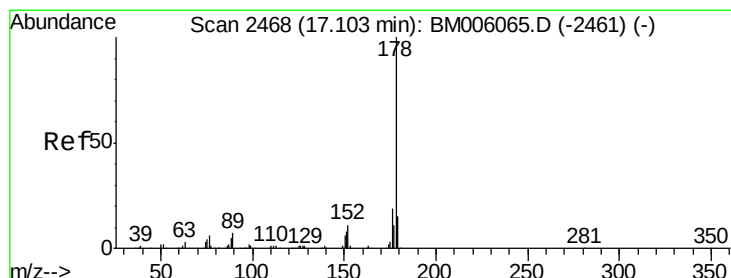
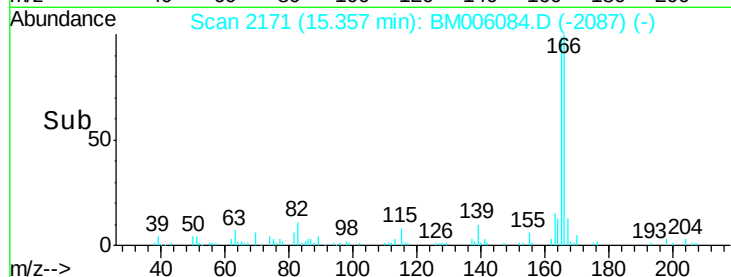
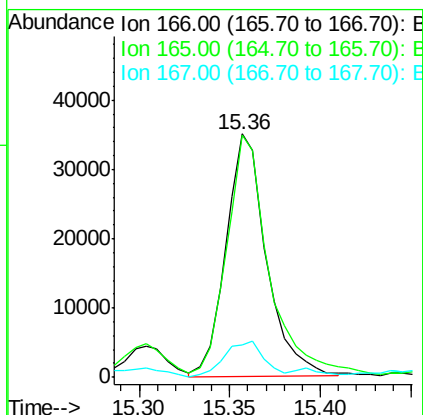
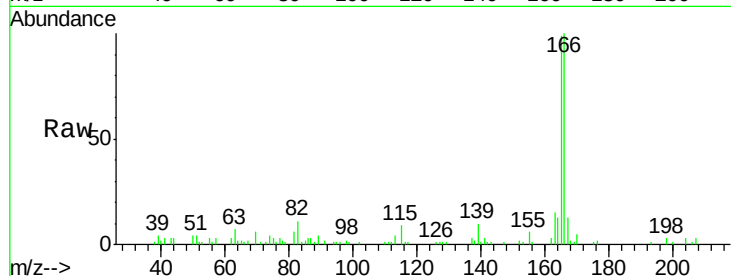




#22
 Fluorene
 Concen: 1.03 ng/ul
 RT: 15.36 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BM006084.D
 Acq: 27 Jun 2016 23:45

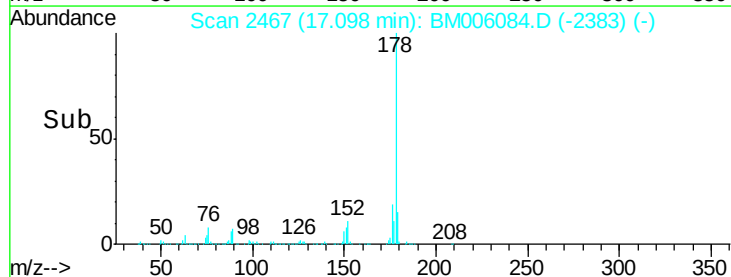
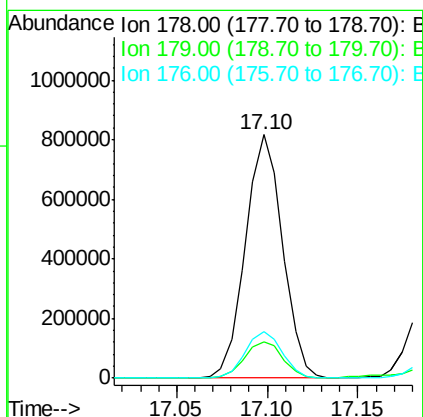
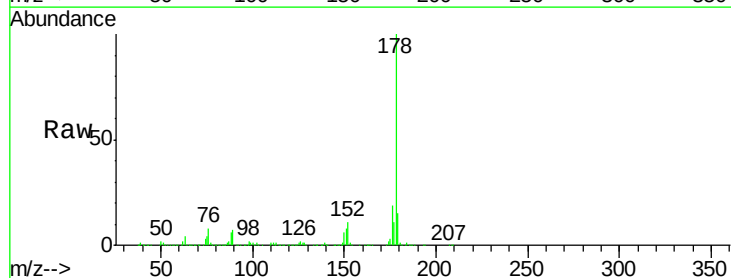
Instrument :
 BNA_M
 ClientSampleId :
 D9YD4

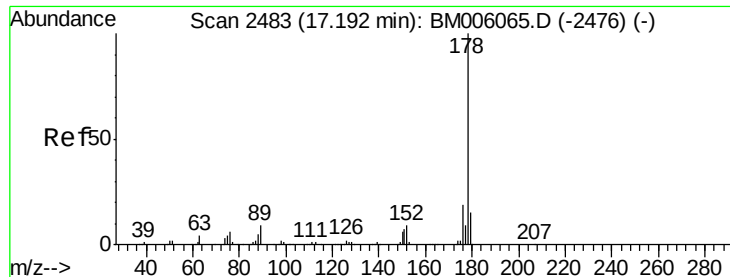
Tgt Ion:166 Resp: 54396
 Ion Ratio Lower Upper
 166 100
 165 99.5 78.4 117.6
 167 13.2 10.6 16.0



#25
 Phenanthrene
 Concen: 12.84 ng/ul
 RT: 17.10 min Scan# 2467
 Delta R.T. -0.01 min
 Lab File: BM006084.D
 Acq: 27 Jun 2016 23:45

Tgt Ion:178 Resp: 1158230
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.2 18.2
 176 19.2 15.3 22.9





#27

Anthracene

Concen: 3.93 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

Instrument :

BNA_M

ClientSampleId :

D9YD4

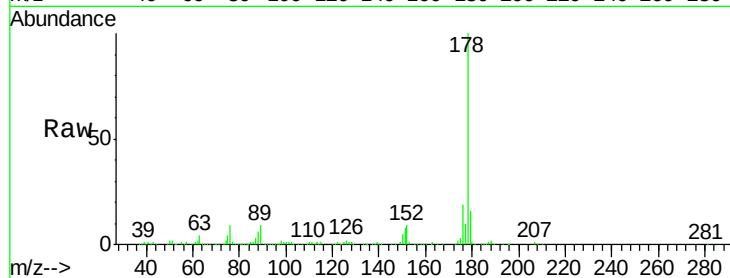
Tgt Ion:178 Resp: 365477

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

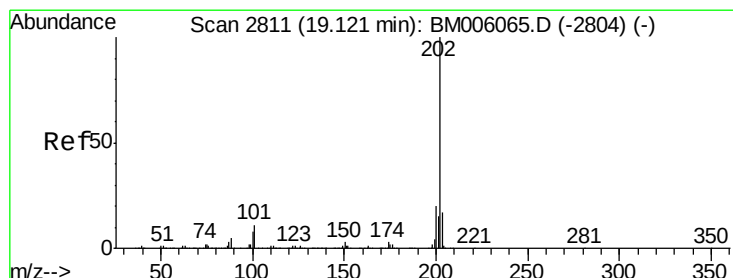
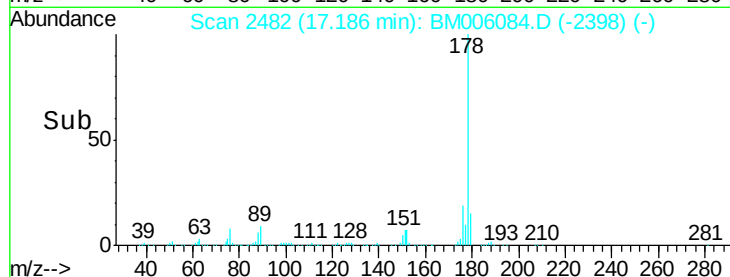
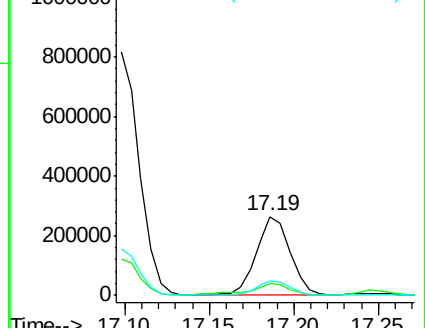
176 18.7 14.6 22.0



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



#28

Fluoranthene

Concen: 31.97 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

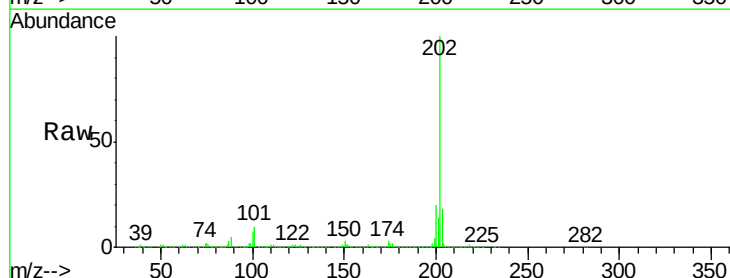
Tgt Ion:202 Resp: 3692883

Ion Ratio Lower Upper

202 100

101 10.1 8.5 12.7

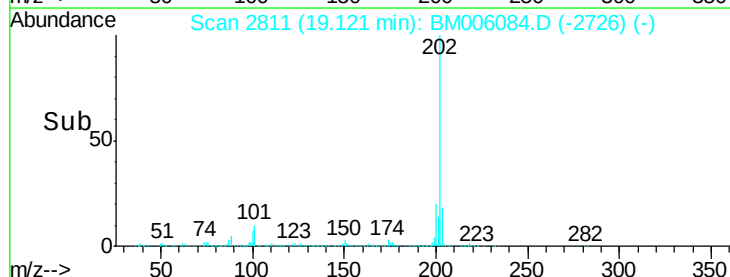
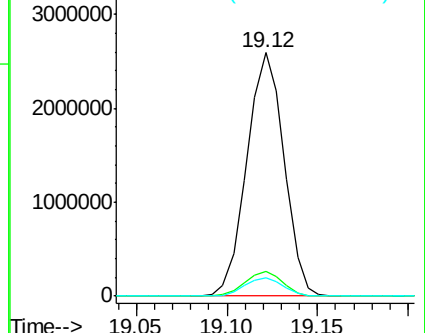
100 7.4 6.5 9.7

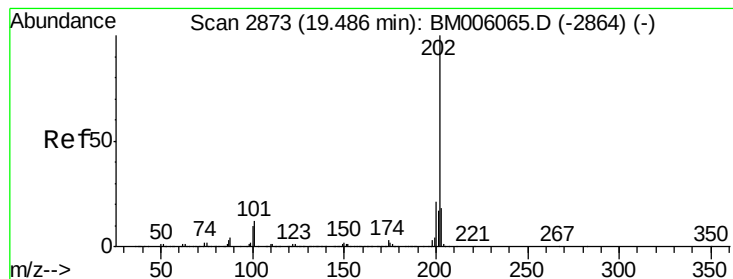


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 30.84 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

Instrument :

BNA_M

ClientSampled :

D9YD4

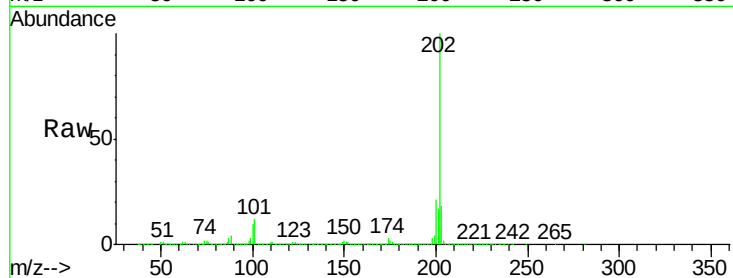
Tgt Ion:202 Resp: 3084444

Ion Ratio Lower Upper

202 100

101 12.1 11.0 16.4

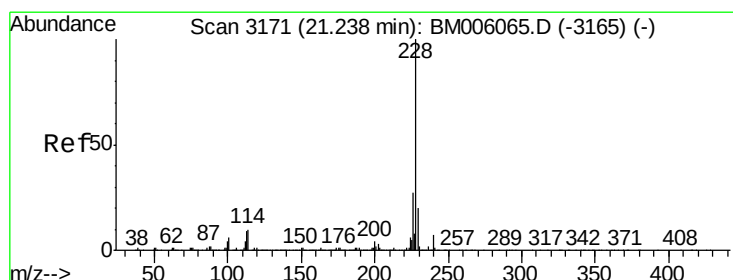
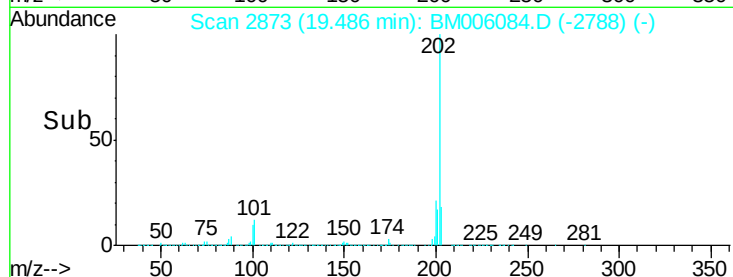
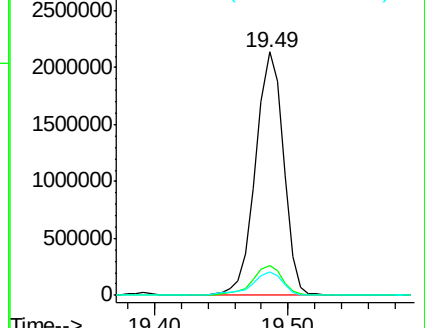
100 9.7 8.9 13.3



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: 20.27 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

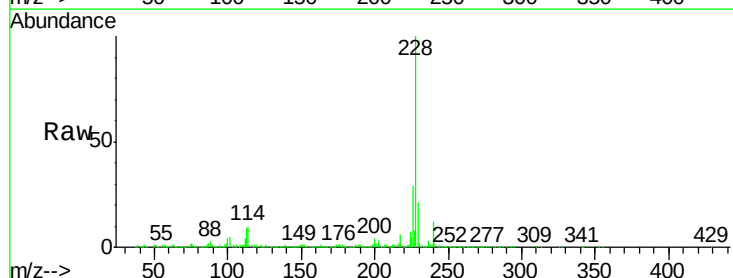
Tgt Ion:228 Resp: 2102932

Ion Ratio Lower Upper

228 100

229 20.9 15.6 23.4

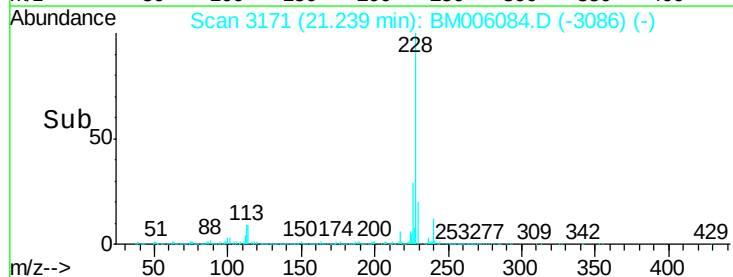
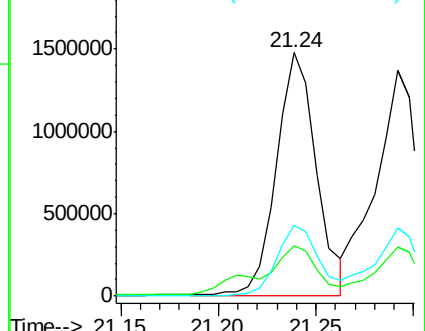
226 29.1 21.6 32.4

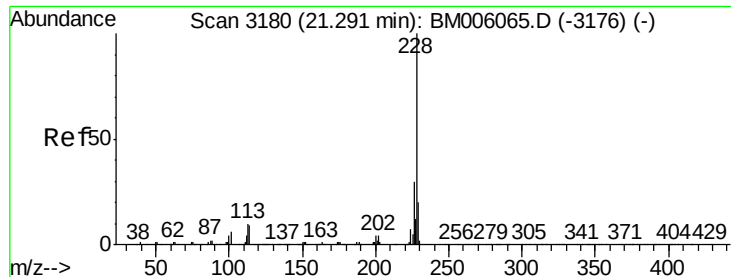


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 21.40 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

Instrument :

BNA_M

ClientSampleId :

D9YD4

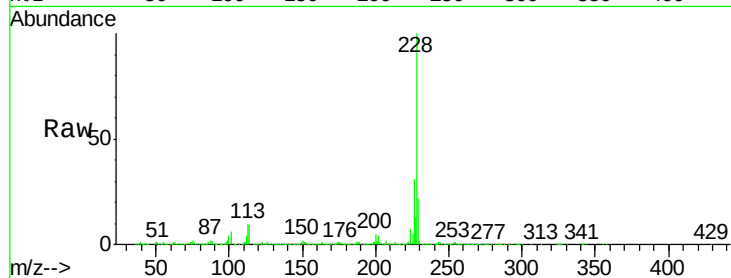
Tgt Ion:228 Resp: 2028654

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

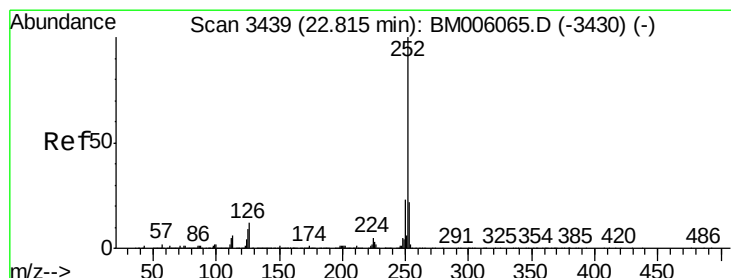
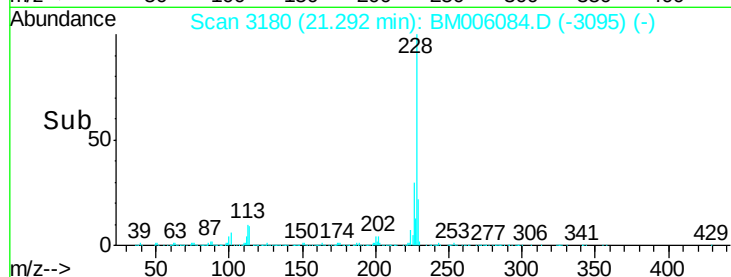
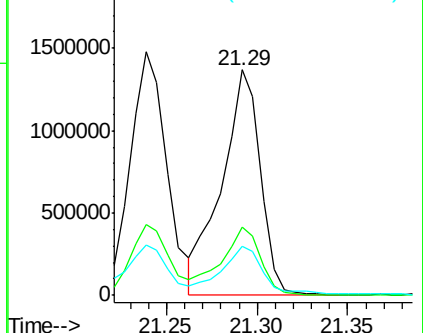
229 21.8 15.8 23.6



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: 31.10 ng/ul

RT: 22.83 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

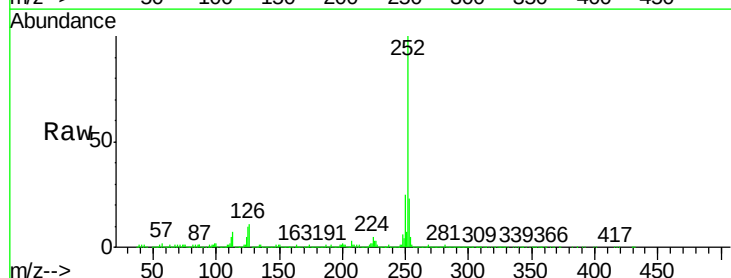
Tgt Ion:252 Resp: 2973390

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

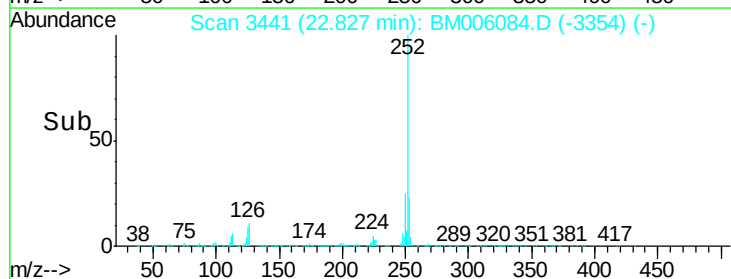
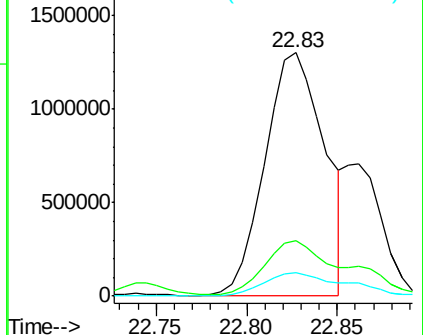
125 9.7 7.8 11.6

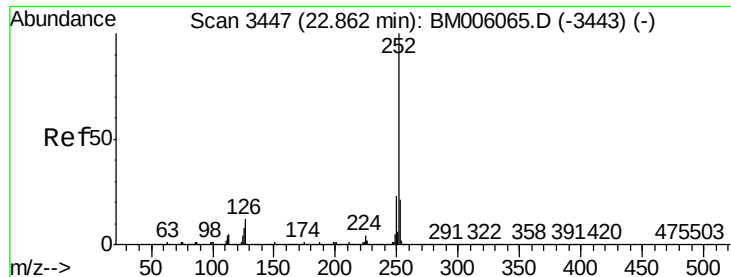


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

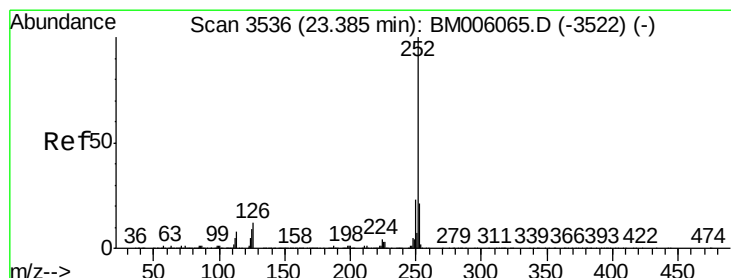
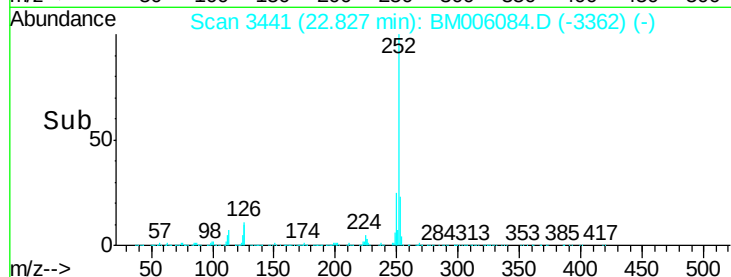
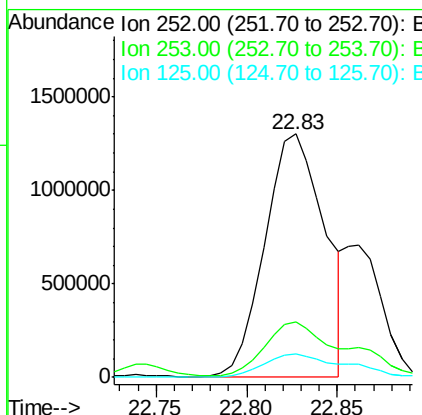
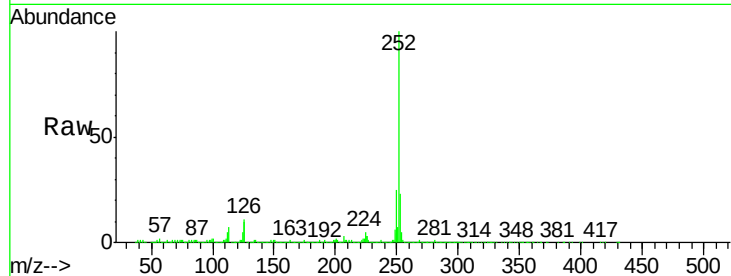




#36
Benzo(k)fluoranthene
Concen: 33.43 ng/ul
RT: 22.83 min Scan# 3441
Delta R.T. -0.04 min
Lab File: BM006084.D
Acq: 27 Jun 2016 23:45

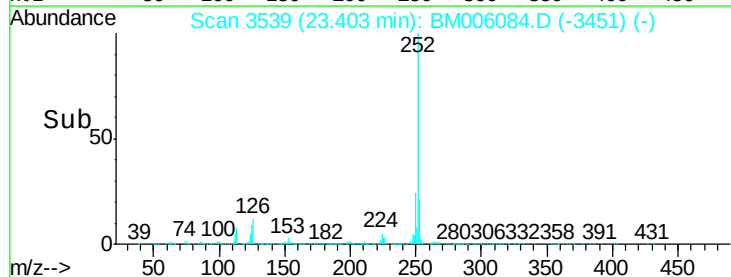
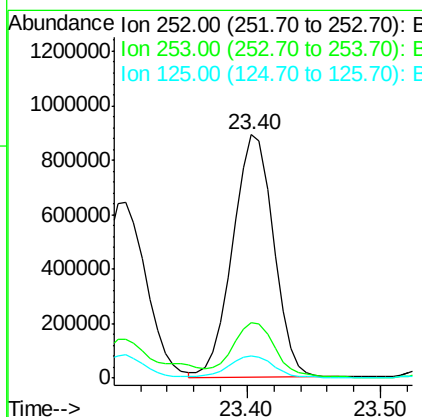
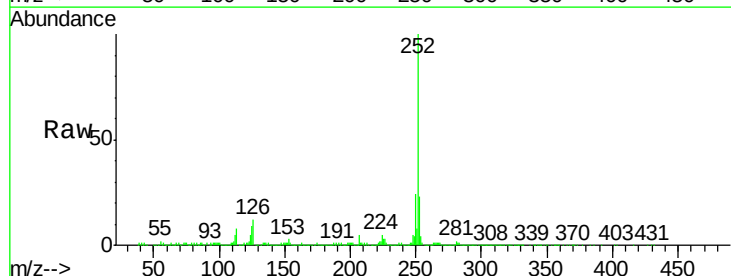
Instrument :
BNA_M
ClientSampleId :
D9YD4

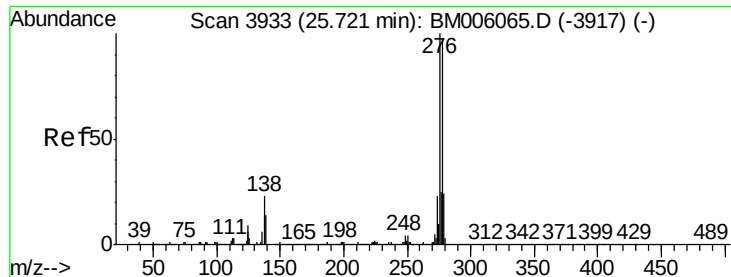
Tgt Ion:252 Resp: 2973390
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.7 8.1 12.1



#38
Benzo(a)pyrene
Concen: 20.63 ng/ul
RT: 23.40 min Scan# 3539
Delta R.T. 0.02 min
Lab File: BM006084.D
Acq: 27 Jun 2016 23:45

Tgt Ion:252 Resp: 1891046
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 9.3 8.7 13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 13.16 ng/ul

RT: 25.78 min Scan# 3943

Delta R.T. 0.06 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

Instrument :

BNA_M

ClientSampleId :

D9YD4

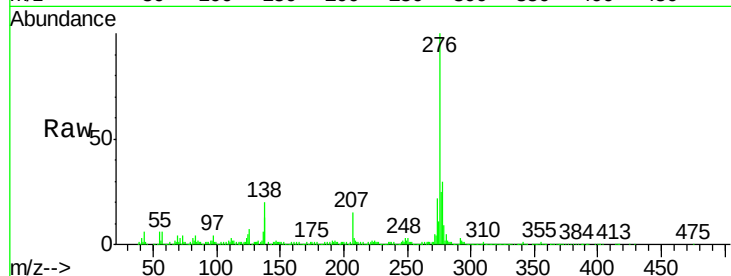
Tgt Ion:276 Resp: 1437940

Ion Ratio Lower Upper

276 100

138 20.1 20.4 30.6#

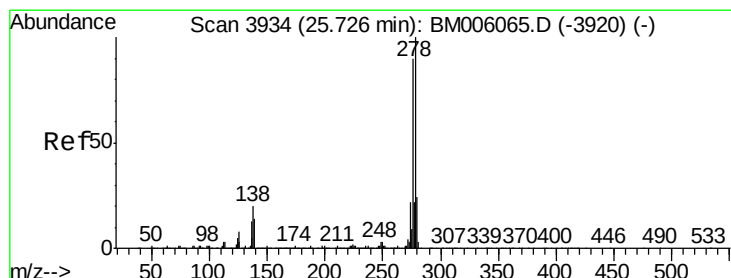
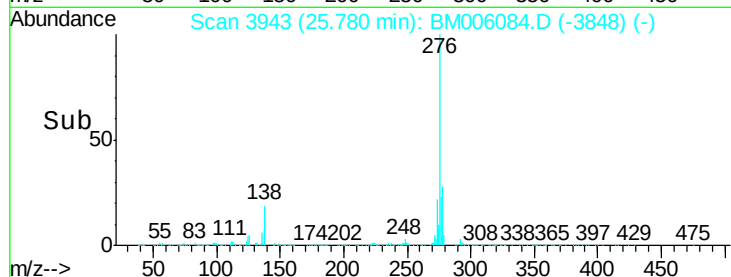
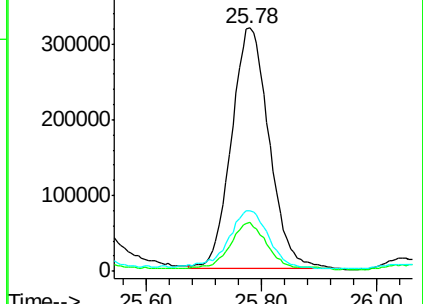
277 25.1 20.6 30.8



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



#40

Dibenzo(a,h)anthracene

Concen: 3.94 ng/ul

RT: 25.77 min Scan# 3942

Delta R.T. 0.05 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

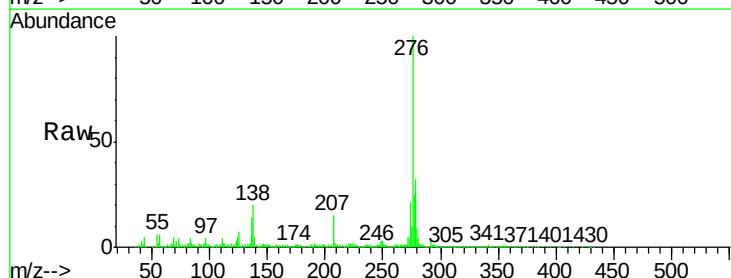
Tgt Ion:278 Resp: 358310

Ion Ratio Lower Upper

278 100

139 15.4 13.0 19.4

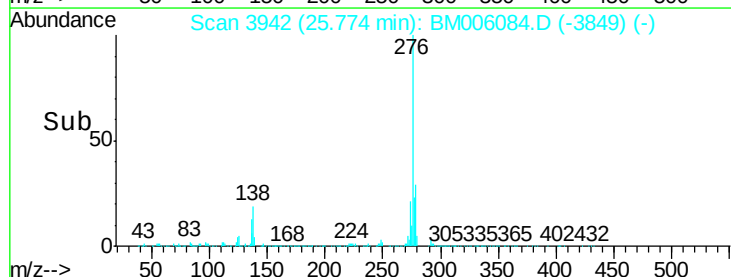
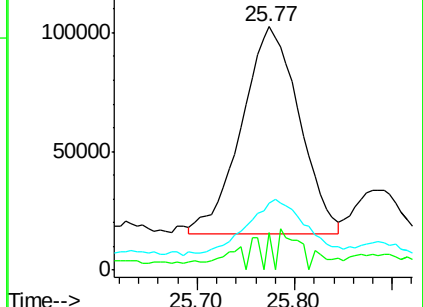
279 27.7 18.8 28.2

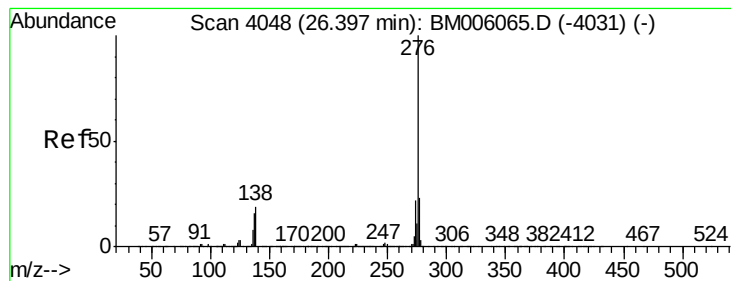


Abundance Ion 278.00 (277.70 to 278.70): E

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: 12.74 ng/ul

RT: 26.50 min Scan# 4065

Delta R.T. 0.10 min

Lab File: BM006084.D

Acq: 27 Jun 2016 23:45

Instrument :

BNA_M

ClientSampleId :

D9YD4

Tgt Ion:276 Resp: 1203906

Ion Ratio Lower Upper

276 100

138 19.1 16.6 25.0

277 23.9 18.9 28.3

