

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
 Data File : BM005847.D
 Acq On : 17 Jun 2016 02:50
 Operator : UM/SJ
 Sample : H3535-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XX2

Quant Time: Jun 17 05:07:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 01:56:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	26176	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	122156	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	75734	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	175093	20.00	ng/ul	0.00
29) Chrysene-d12	21.30	240	211569	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	184151	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	734	3.63	ng/uL	0.00
3) Phenol-d5	6.91	99	34715	15.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	21661	19.07	ng/ul	0.00
5) 2-Chlorophenol-d4	7.26	132	34963	18.74	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	26151	13.35	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	17750	20.59	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	21408	20.32	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	38604	18.55	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	11773	8.36	ng/ul	0.00
16) Dimethylphthalate-d6	13.78	166	130420	18.20	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	162662	19.71	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	7120	8.25	ng/ul	0.02
21) Fluorene-d10	15.37	176	113728	18.63	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	17068	14.45	ng/ul	0.00
26) Anthracene-d10	17.22	188	177934	19.46	ng/ul	0.00
30) Pyrene-d10	19.52	212	206557	20.60	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.41	264	180107	19.56	ng/ul	0.00

Target Compounds

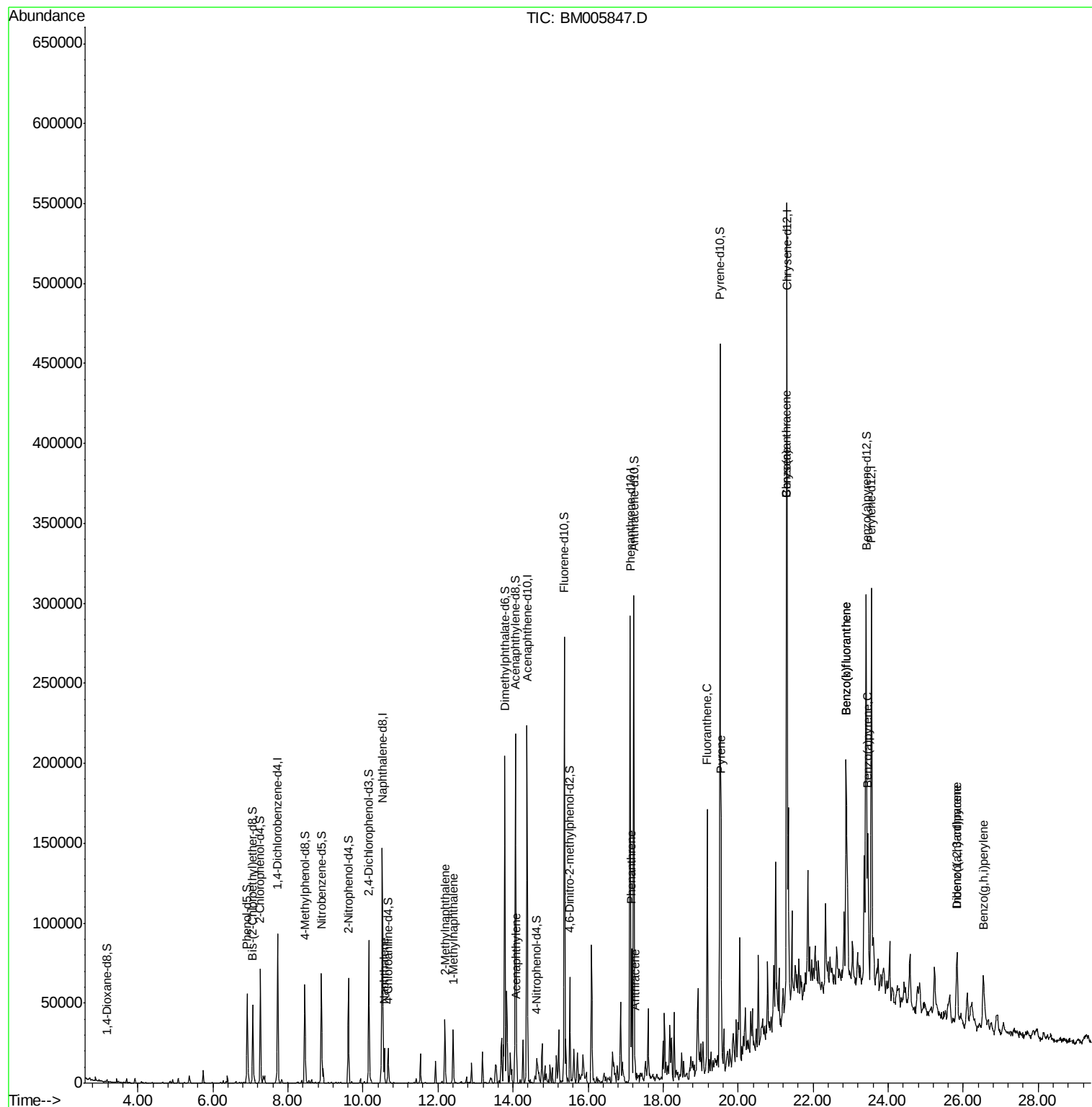
						Qvalue
11) Naphthalene	10.57	128	18958	2.90	ng/ul	98
13) 2-Methylnaphthalene	12.19	142	21142	4.24	ng/ul	97
14) 1-Methylnaphthalene	12.40	142	17746	3.42	ng/ul	93
18) Acenaphthylene	14.10	152	10132	1.21	ng/ul#	96
25) Phenanthrene	17.16	178	50905	4.88	ng/ul	99
27) Anthracene	17.25	178	11233	1.05	ng/ul	97
28) Fluoranthene	19.18	202	97211	7.42	ng/ul	98
31) Pyrene	19.54	202	96723	7.74	ng/ul	99
32) Benzo(a)anthracene	21.29	228	66631	5.04	ng/ul	95
33) Chrysene	21.29	228	66631	5.24	ng/ul	97
35) Benzo(b)fluoranthene	22.88	252	111228	9.70	ng/ul	98
36) Benzo(k)fluoranthene	22.88	252	111228	10.05	ng/ul	99
38) Benzo(a)pyrene	23.46	252	63256	5.62	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.84	276	45457	3.30	ng/ul	99
40) Dibenzo(a,h)anthracene	25.83	278	13290	1.17	ng/ul#	78
41) Benzo(g,h,i)perylene	26.54	276	42116	3.60	ng/ul	96

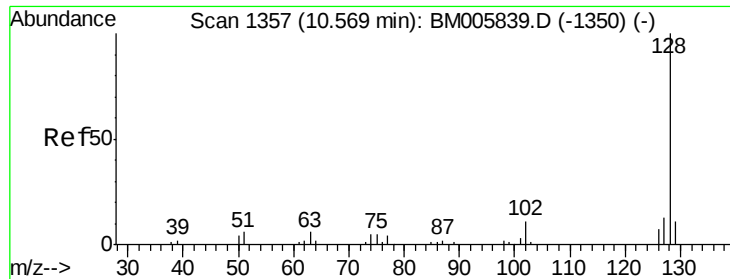
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
Data File : BM005847.D
Acq On : 17 Jun 2016 02:50
Operator : UM/SJ
Sample : H3535-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9XX2

Quant Time: Jun 17 05:07:24 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 17 01:56:56 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 2.90 ng/ul

RT: 10.57 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

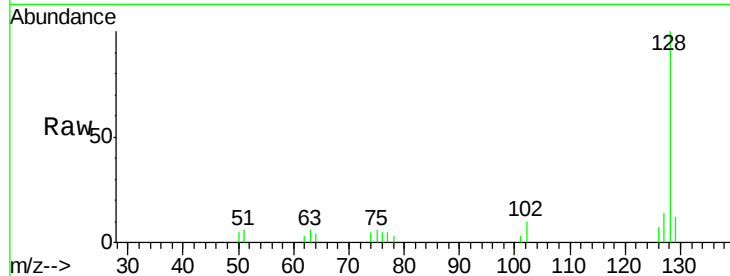
Tgt Ion:128 Resp: 18958

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.4

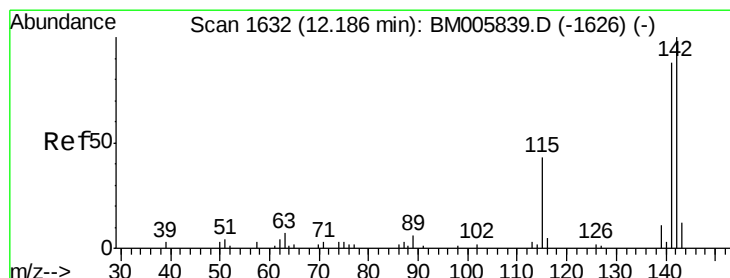
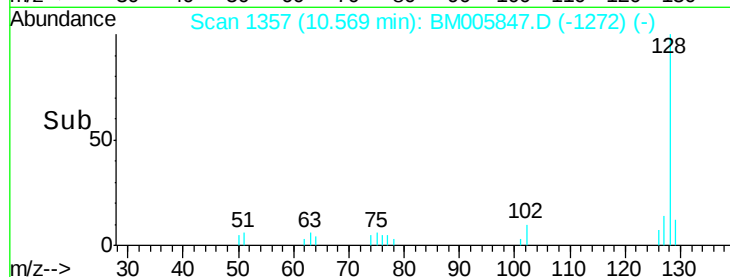
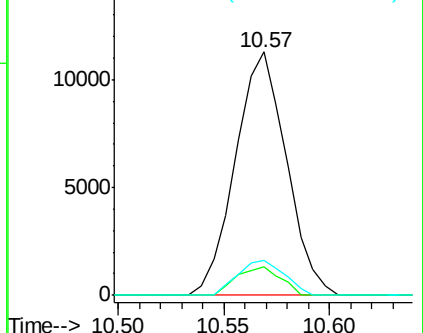
127 14.3 10.9 16.3



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: 4.24 ng/ul

RT: 12.19 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BM005847.D

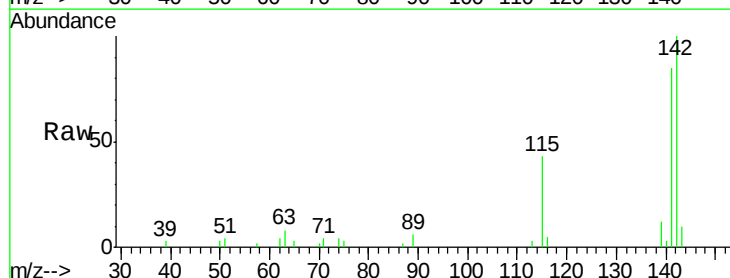
Acq: 17 Jun 2016 02:50

Tgt Ion:142 Resp: 21142

Ion Ratio Lower Upper

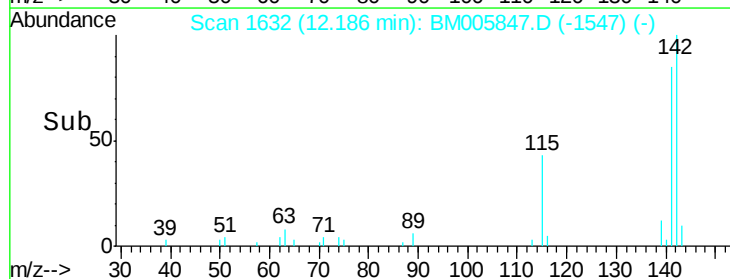
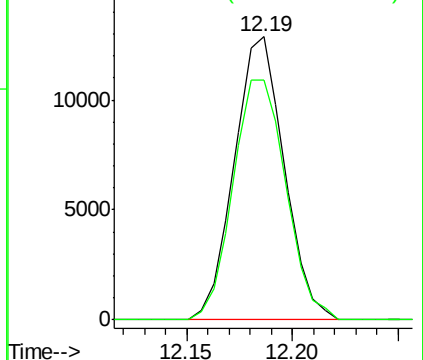
142 100

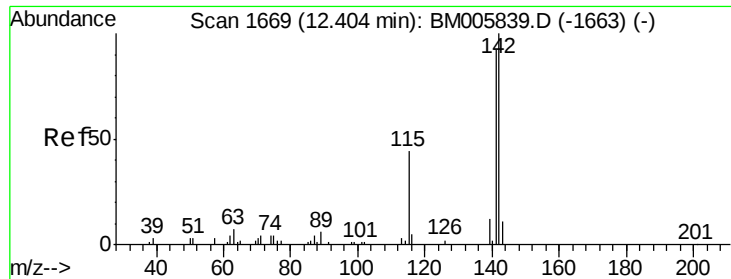
141 84.9 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

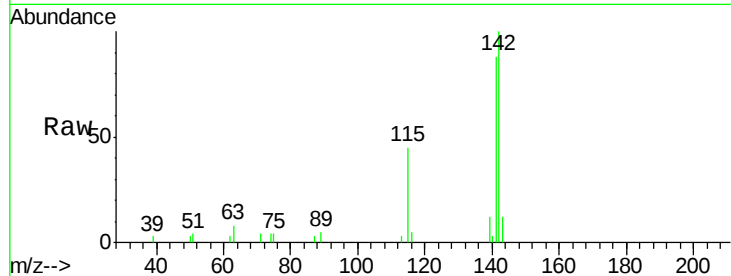




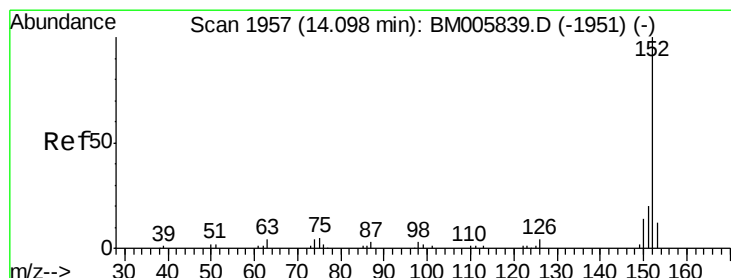
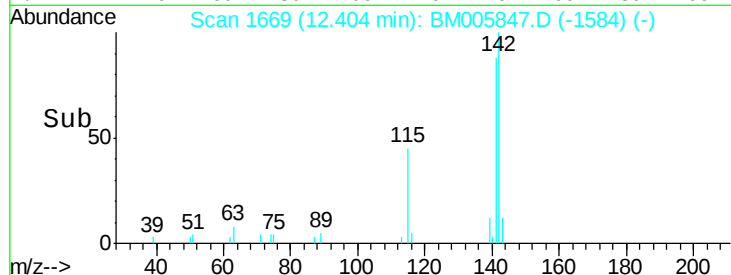
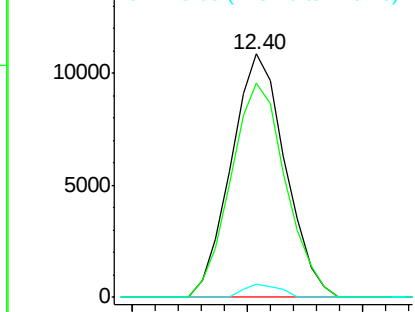
#14
 1-Methylnaphthalene
 Concen: 3.42 ng/ul
 RT: 12.40 min Scan# 1669
 Delta R.T. -0.00 min
 Lab File: BM005847.D
 Acq: 17 Jun 2016 02:50

Instrument :
 BNA_M
 ClientSampleId :
 D9XX2

Tgt Ion:142 Resp: 17746
 Ion Ratio Lower Upper
 142 100
 141 87.7 75.4 113.2
 116 5.2 3.7 5.5

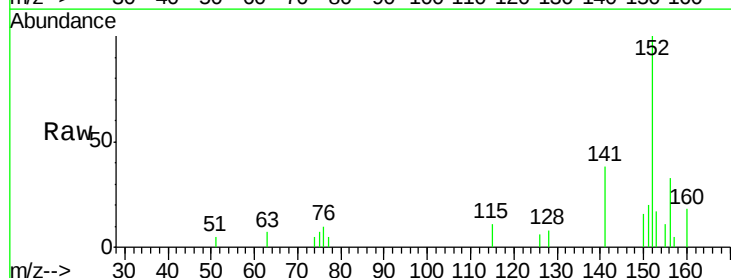


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

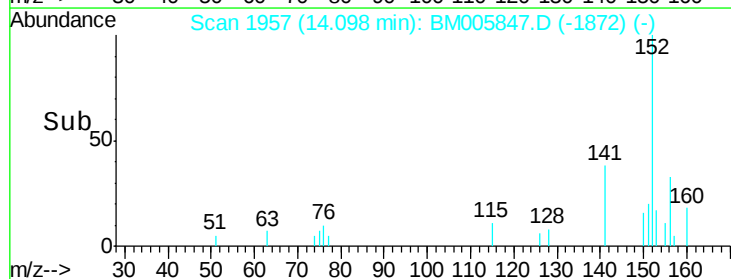
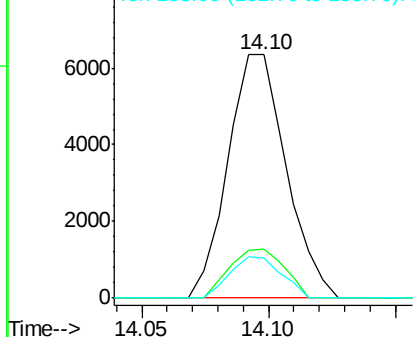


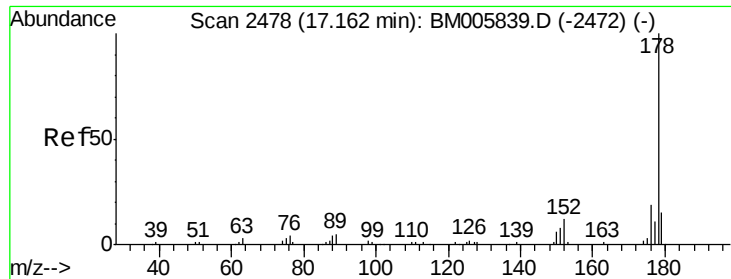
#18
 Acenaphthylene
 Concen: 1.21 ng/ul
 RT: 14.10 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BM005847.D
 Acq: 17 Jun 2016 02:50

Tgt Ion:152 Resp: 10132
 Ion Ratio Lower Upper
 152 100
 151 20.3 16.3 24.5
 153 16.5 10.2 15.2#



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





#25

Phenanthrene

Concen: 4.88 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

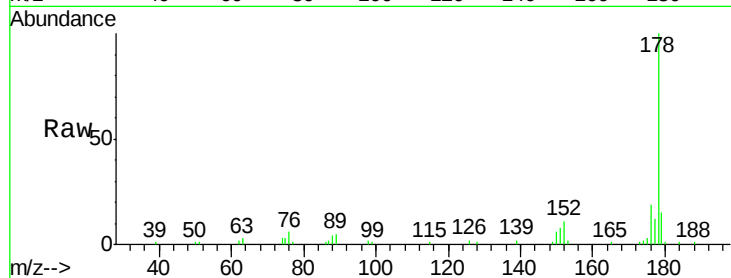
Tgt Ion:178 Resp: 50905

Ion Ratio Lower Upper

178 100

179 15.0 12.0 18.0

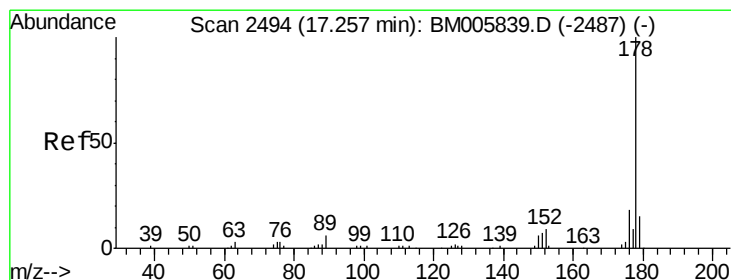
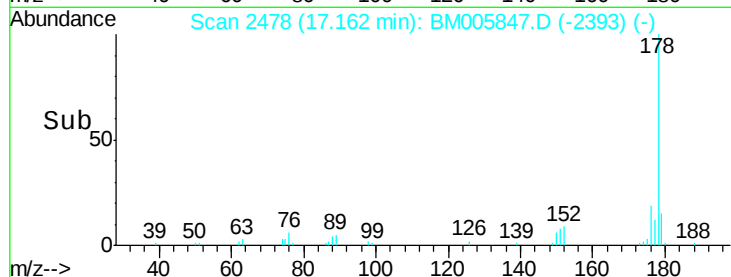
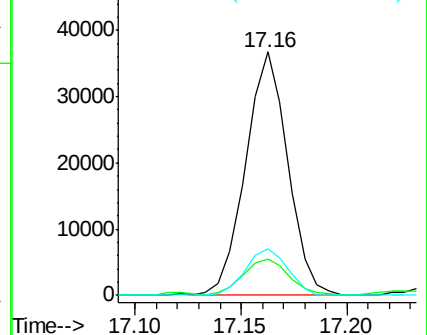
176 19.2 14.9 22.3



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



#27

Anthracene

Concen: 1.05 ng/ul

RT: 17.25 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

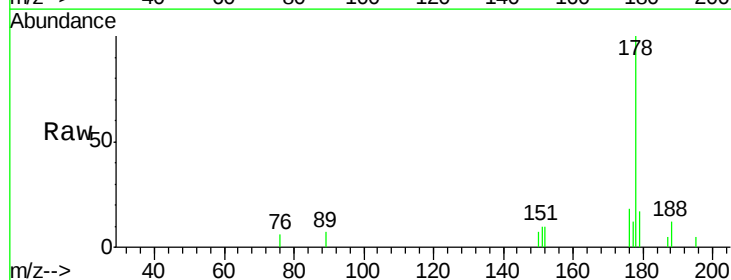
Tgt Ion:178 Resp: 11233

Ion Ratio Lower Upper

178 100

179 17.1 11.9 17.9

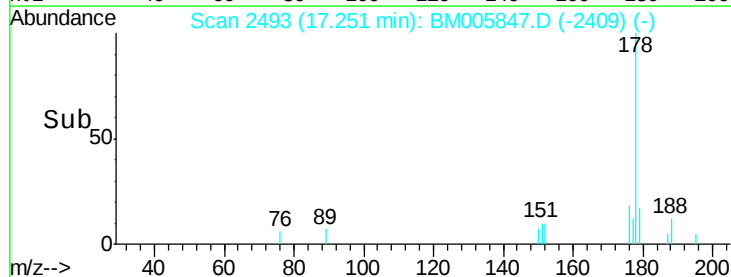
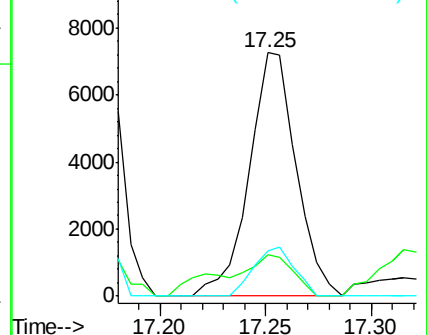
176 18.4 14.8 22.2

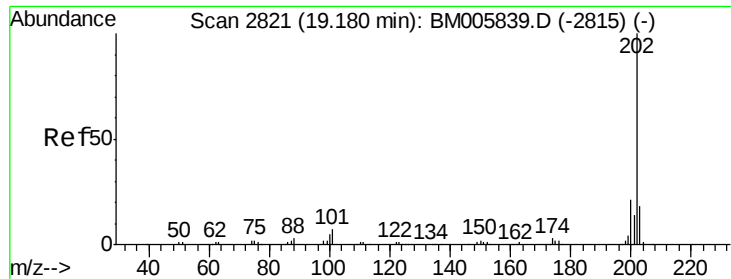


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 7.42 ng/ul

RT: 19.18 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

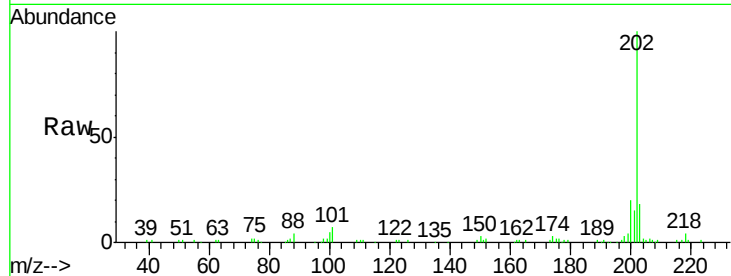
Tgt Ion:202 Resp: 97211

Ion Ratio Lower Upper

202 100

101 6.7 6.1 9.1

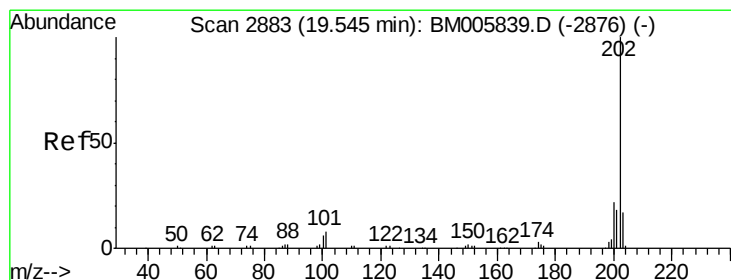
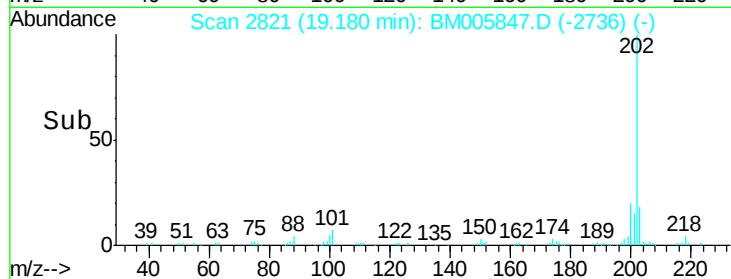
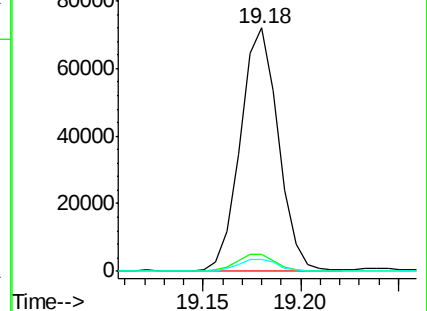
100 4.9 4.2 6.2



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



#31

Pyrene

Concen: 7.74 ng/ul

RT: 19.54 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

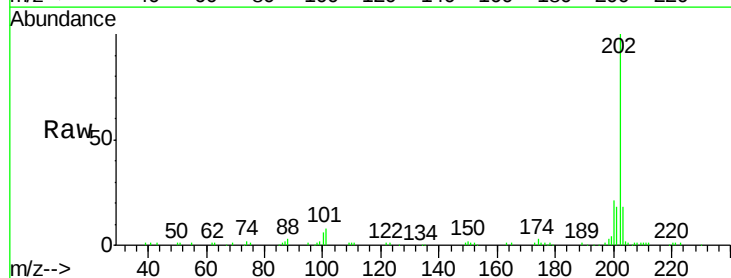
Tgt Ion:202 Resp: 96723

Ion Ratio Lower Upper

202 100

101 7.8 6.5 9.7

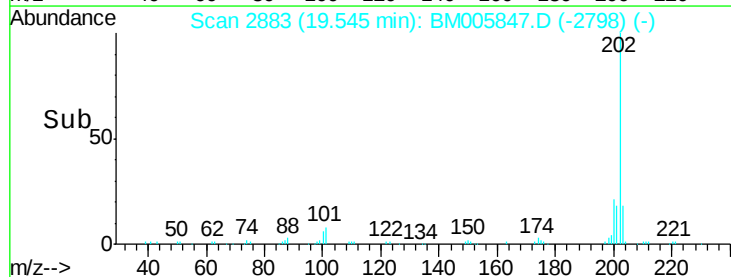
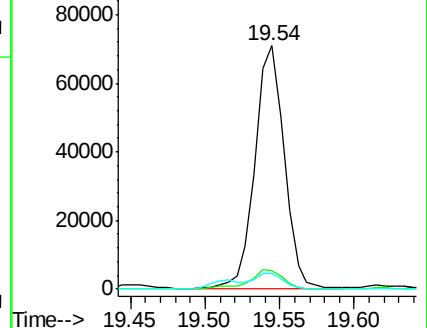
100 6.4 5.4 8.2

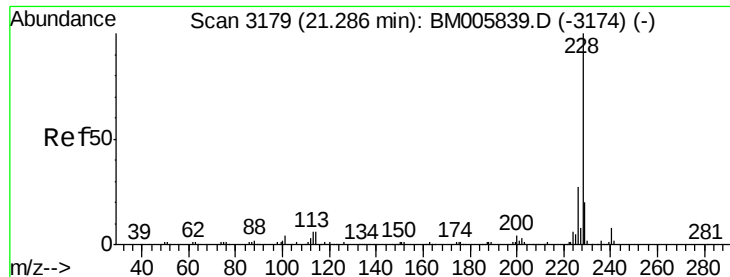


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 5.04 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

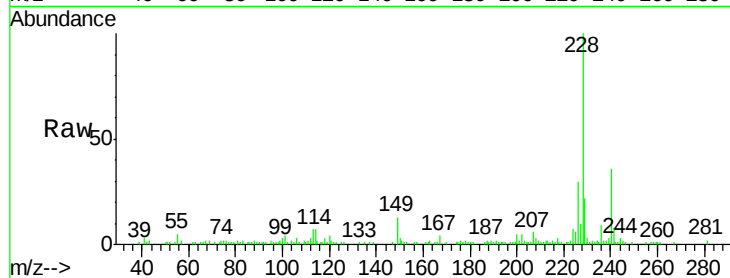
Tgt Ion:228 Resp: 66631

Ion Ratio Lower Upper

228 100

229 21.8 15.8 23.6

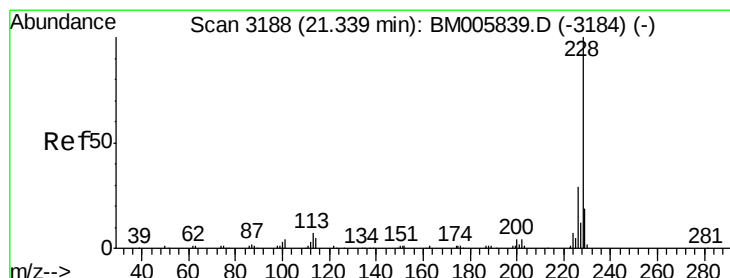
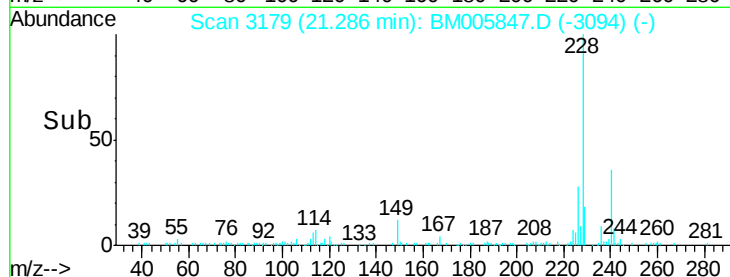
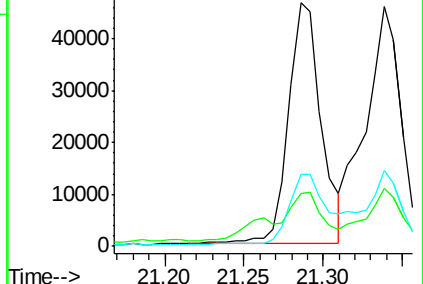
226 29.7 21.8 32.6



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: 5.24 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.05 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

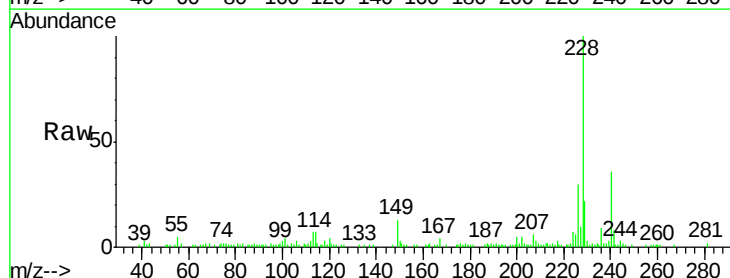
Tgt Ion:228 Resp: 66631

Ion Ratio Lower Upper

228 100

226 29.7 23.5 35.3

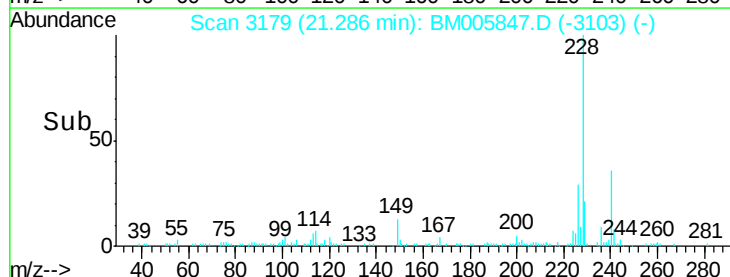
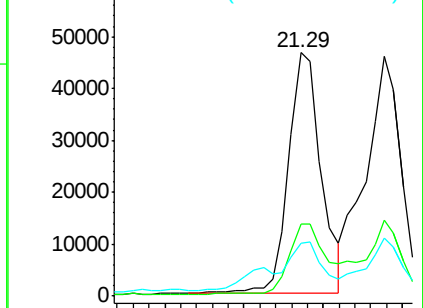
229 21.8 15.4 23.0

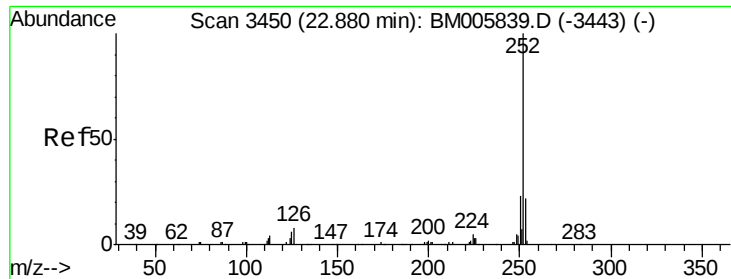


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 9.70 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

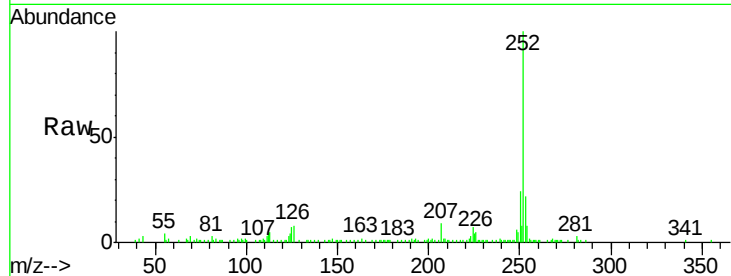
Tgt Ion:252 Resp: 111228

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

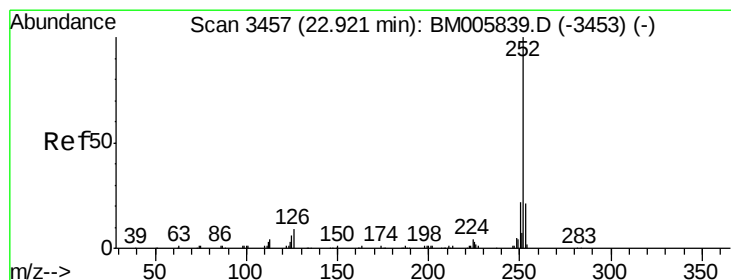
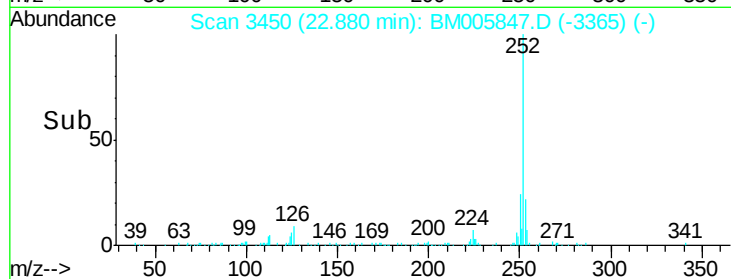
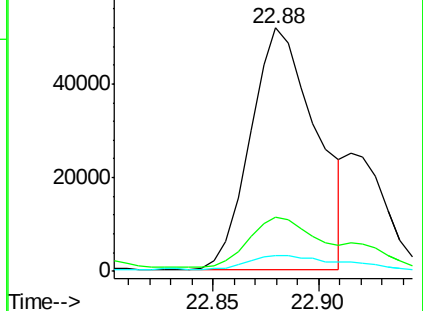
125 6.6 4.9 7.3



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: 10.05 ng/ul

RT: 22.88 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

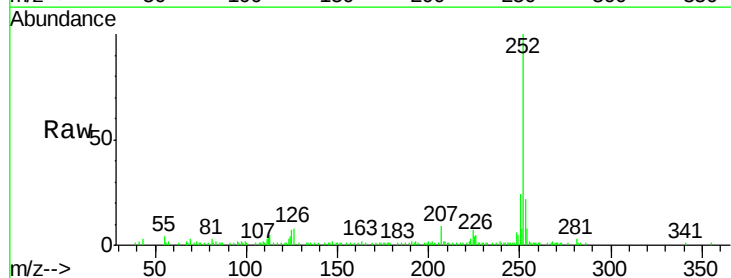
Tgt Ion:252 Resp: 111228

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

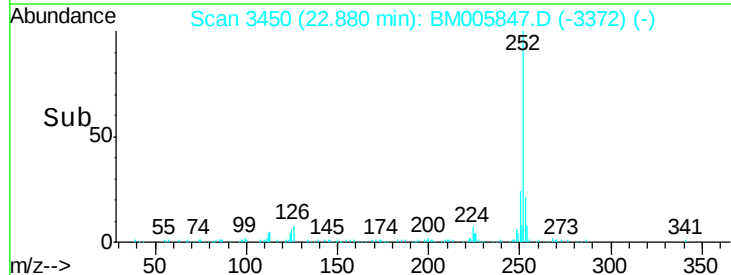
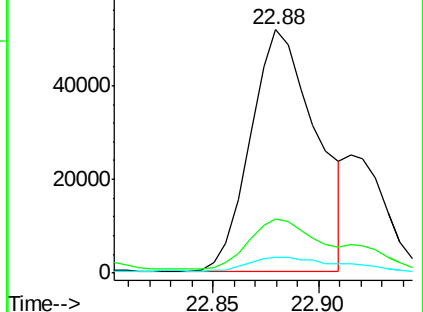
125 6.6 4.8 7.2

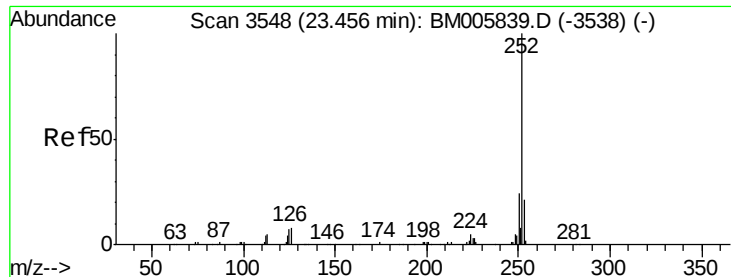


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.62 ng/ul

RT: 23.46 min Scan# 3548

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

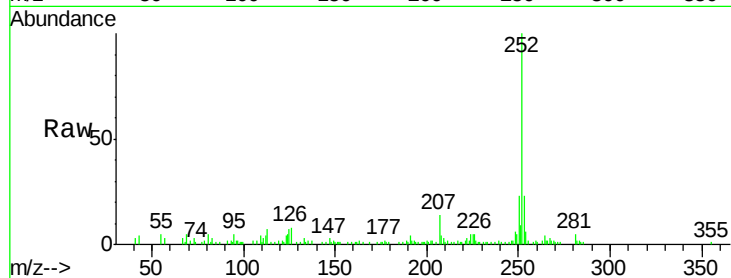
Tgt Ion:252 Resp: 63256

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

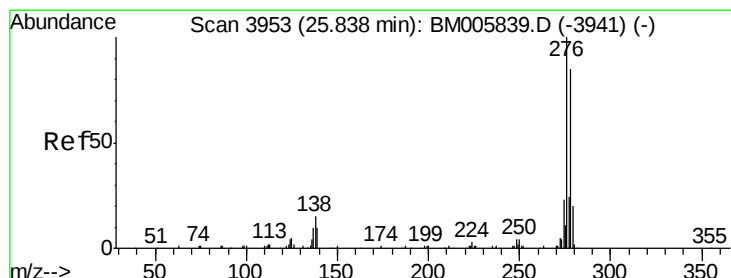
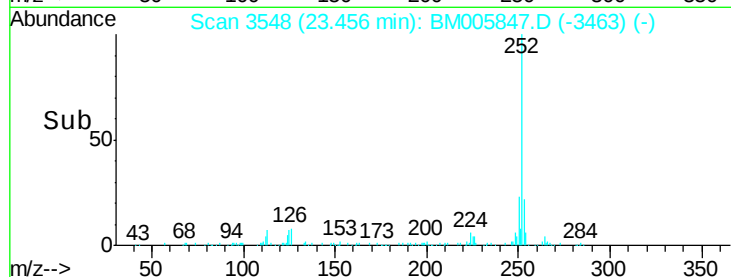
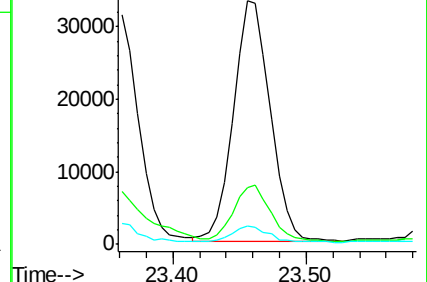
125 7.3 5.1 7.7



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: 3.30 ng/ul

RT: 25.84 min Scan# 3953

Delta R.T. -0.00 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

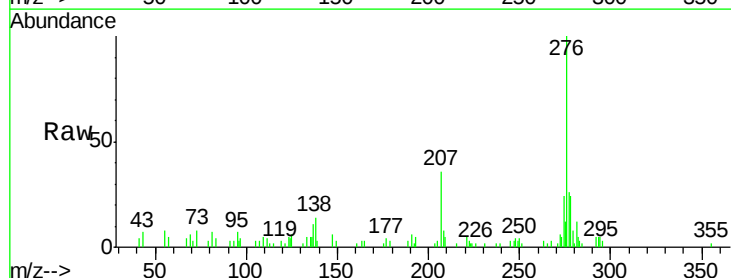
Tgt Ion:276 Resp: 45457

Ion Ratio Lower Upper

276 100

138 14.1 11.9 17.9

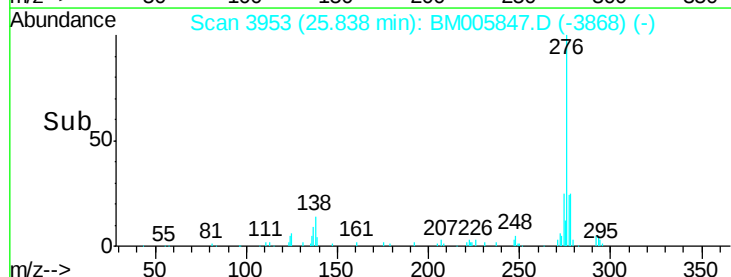
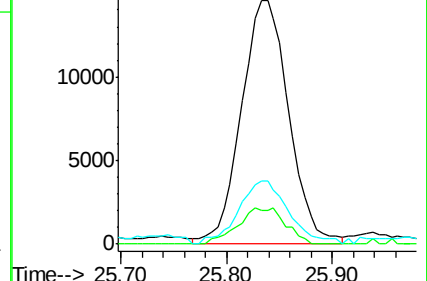
277 25.9 21.0 31.6

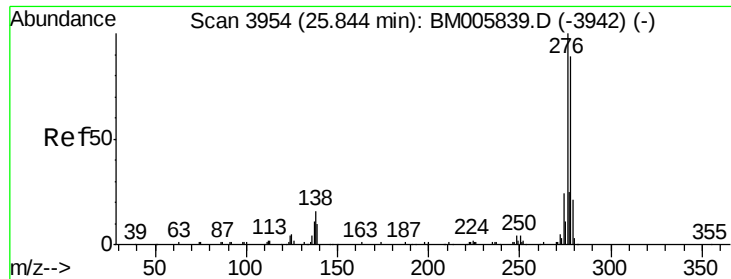


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.17 ng/ul

RT: 25.83 min Scan# 3951

Delta R.T. -0.02 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

Instrument :

BNA_M

ClientSampleId :

D9XX2

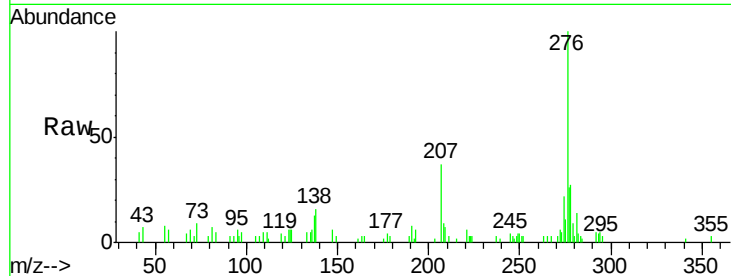
Tgt Ion:278 Resp: 13290

Ion Ratio Lower Upper

278 100

139 0.0 8.2 12.4#

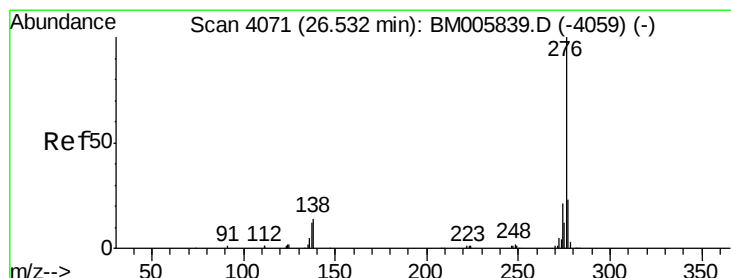
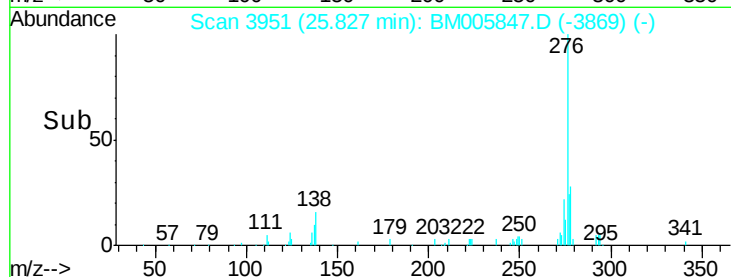
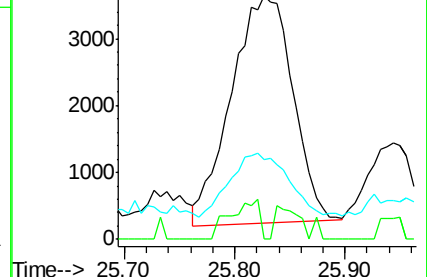
279 32.7 18.6 27.8#



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: 3.60 ng/ul

RT: 26.54 min Scan# 4072

Delta R.T. 0.01 min

Lab File: BM005847.D

Acq: 17 Jun 2016 02:50

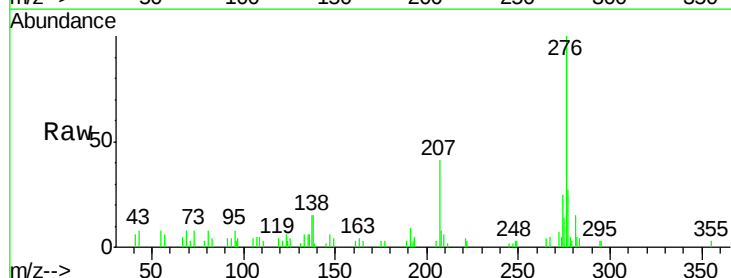
Tgt Ion:276 Resp: 42116

Ion Ratio Lower Upper

276 100

138 14.5 10.6 15.8

277 26.9 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

