

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031716\
 Data File : BM004661.D
 Acq On : 17 Mar 2016 11:54
 Operator : UM/SJ
 Sample : H1779-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 18 05:02:57 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 18 05:01:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	69713	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	300714	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.47	164	165883	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	365946	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	392823	20.00	ng/ul	0.00
86) Perylene-d12	23.71	264	393371	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	5377	2.66	ng/uL	0.00
5) Phenol-d5	7.00	99	106084	18.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.18	67	62624	19.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.38	132	85883	18.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	83454	18.07	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	37762	18.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	40627	17.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	80924	18.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	103870	19.59	ng/ul	0.00
44) Dimethylphthalate-d6	13.88	166	250204	19.29	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	312633	19.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	28556	11.39	ng/ul	0.00
58) Fluorene-d10	15.47	176	226176	20.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	21794	11.33	ng/ul	0.00
71) Anthracene-d10	17.32	188	352050	20.90	ng/ul	0.00
79) Pyrene-d10	19.61	212	402462	22.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	418008	23.79	ng/ul	0.00

Target Compounds

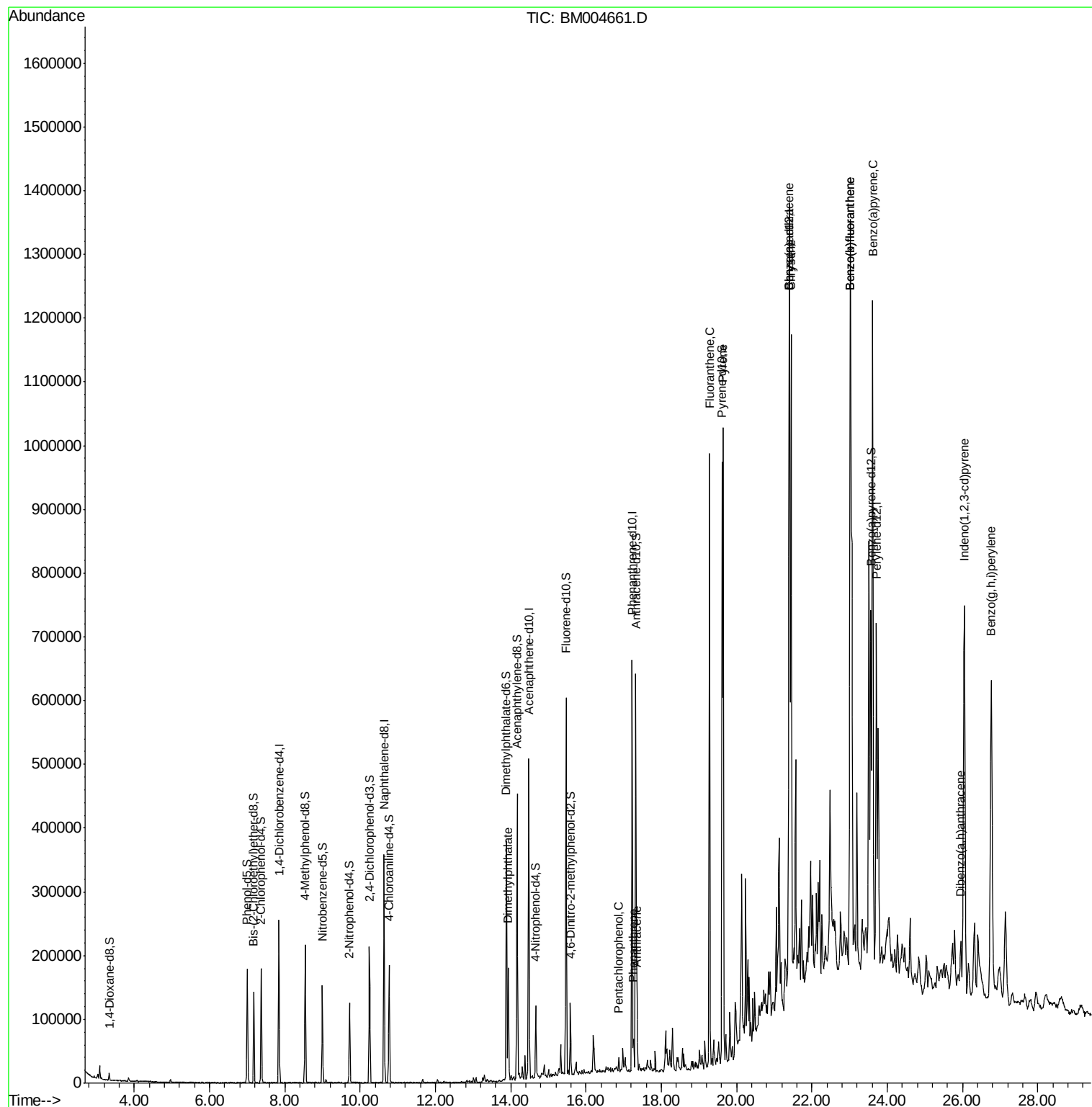
						Ovalue
45) Dimethylphthalate	13.93	163	109235	8.30	ng/ul	99
69) Pentachlorophenol	16.87	266	3123	1.16	ng/ul	93
70) Phenanthrene	17.26	178	39259	1.88	ng/ul	98
72) Anthracene	17.35	178	52724	2.50	ng/ul	99
77) Fluoranthene	19.27	202	572066	24.78	ng/ul	98
80) Pyrene	19.64	202	635202	26.68	ng/ul	99
83) Benzo(a)anthracene	21.39	228	539250	23.52	ng/ul	98
85) Chrysene	21.44	228	583580	26.65	ng/ul	98
88) Benzo(b)fluoranthene	23.02	252	1053729	44.92	ng/ul	98
89) Benzo(k)fluoranthene	23.02	252	1053729	47.24	ng/ul	97
91) Benzo(a)pyrene	23.61	252	778268	34.62	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	26.04	276	612566	24.24	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.95	278	35899	1.72	ng/ul	94
94) Benzo(g,h,i)perylene	26.76	276	616890	28.82	ng/ul	99

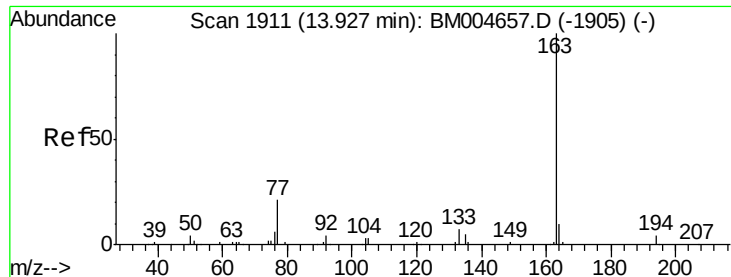
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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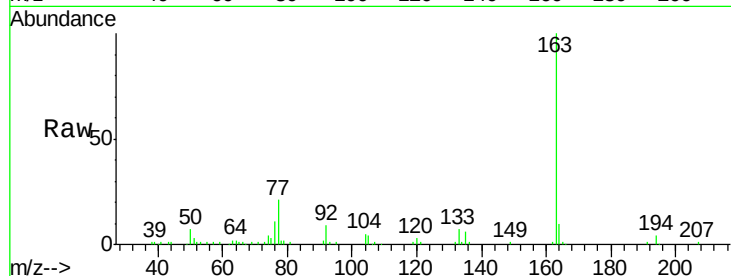




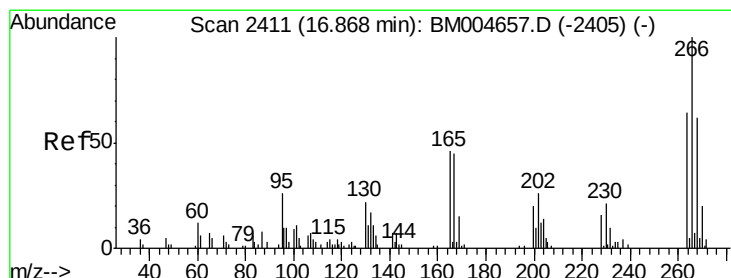
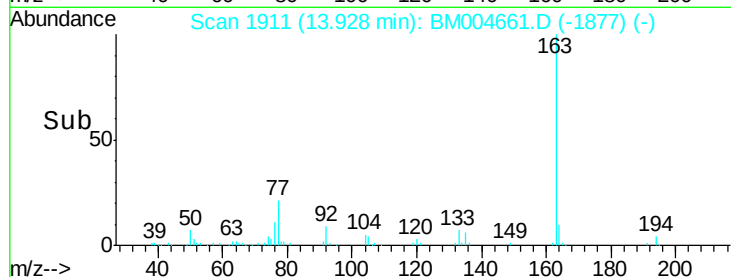
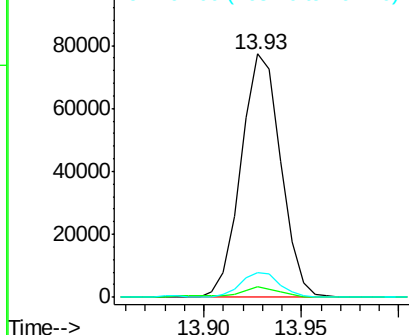
#45
Dimethylphthalate
Concen: 8.30 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BM004661.D
Acq: 17 Mar 2016 11:54

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 109235
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 10.3 7.8 11.8

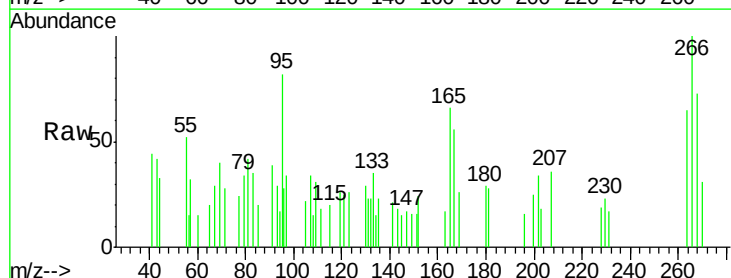


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

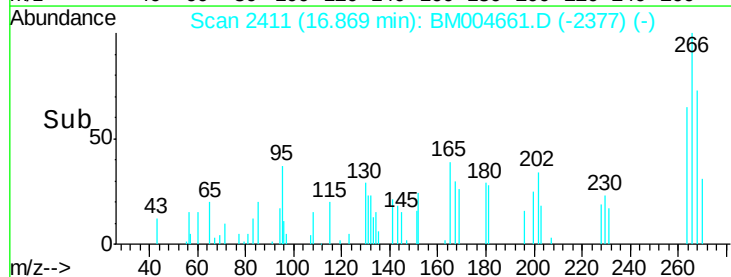
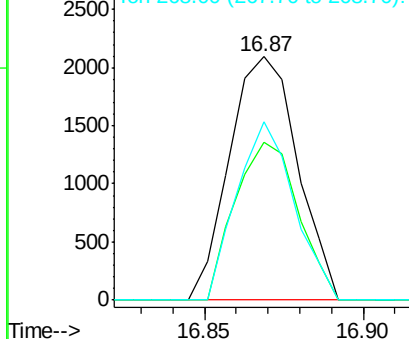


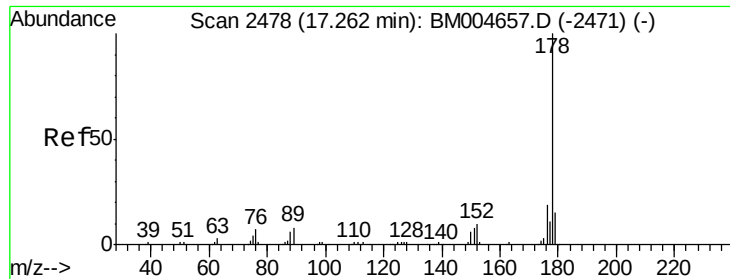
#69
Pentachlorophenol
Concen: 1.16 ng/ul
RT: 16.87 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BM004661.D
Acq: 17 Mar 2016 11:54

Tgt Ion:266 Resp: 3123
Ion Ratio Lower Upper
266 100
264 65.0 50.5 75.7
268 73.3 50.9 76.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 1.88 ng/ul

RT: 17.26 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

Instrument :

BNA_M

ClientSampleId :

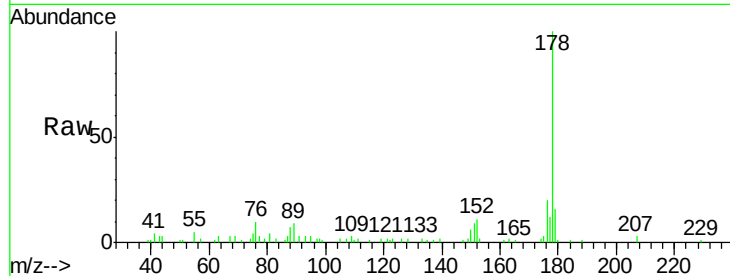
Tot Ion:178 Resp: 39259

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.4

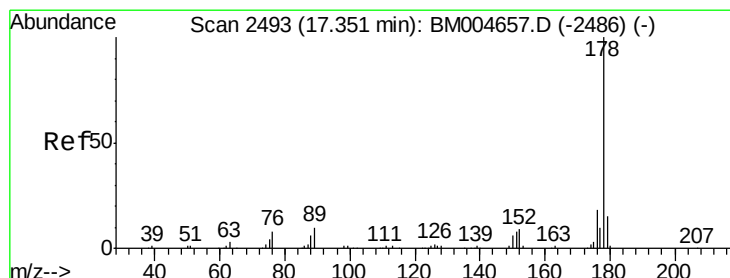
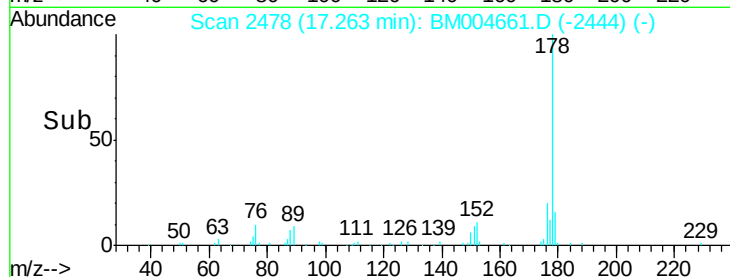
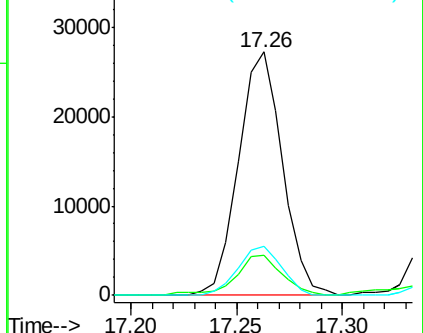
176 20.1 15.6 23.4



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



#72

Anthracene

Concen: 2.50 ng/ul

RT: 17.35 min Scan# 2493

Delta R.T. 0.00 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

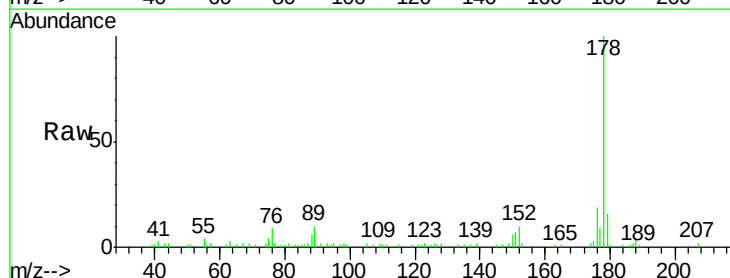
Tgt Ion:178 Resp: 52724

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

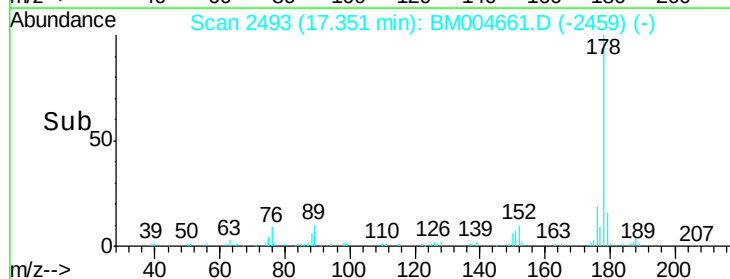
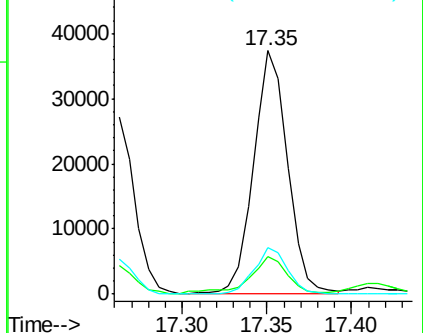
176 19.1 14.8 22.2

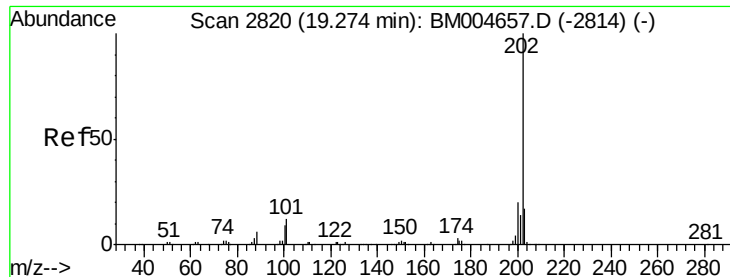


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

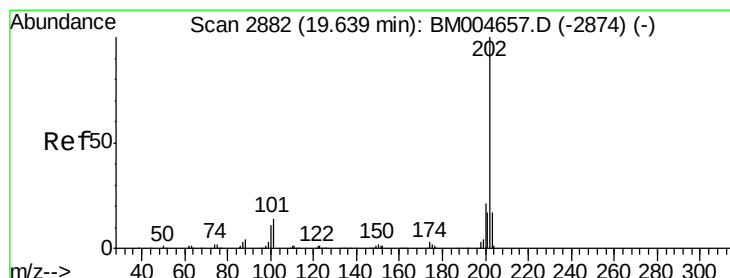
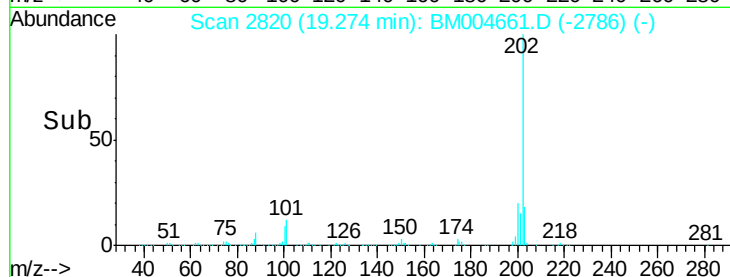
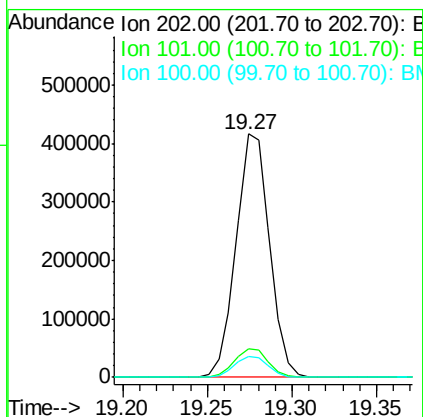
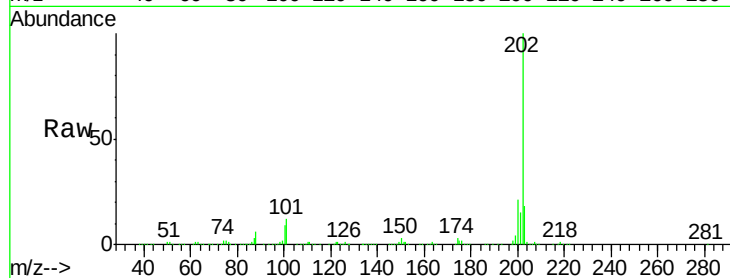




#77
 Fluoranthene
 Concen: 24.78 ng/ul
 RT: 19.27 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: BM004661.D
 Acq: 17 Mar 2016 11:54

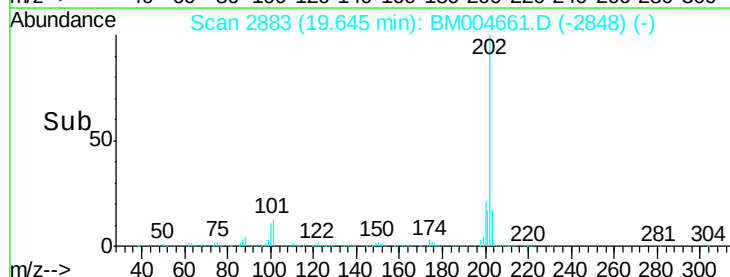
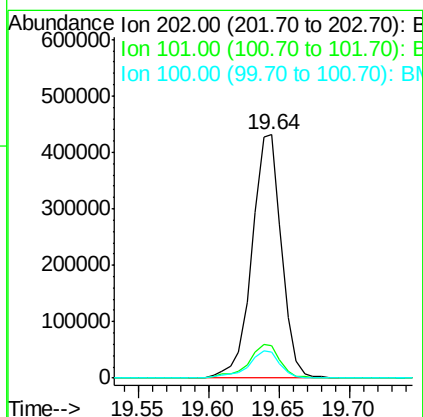
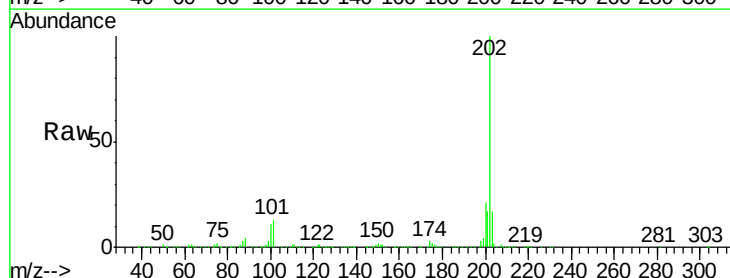
Instrument :
 BNA_M
 ClientSampled :

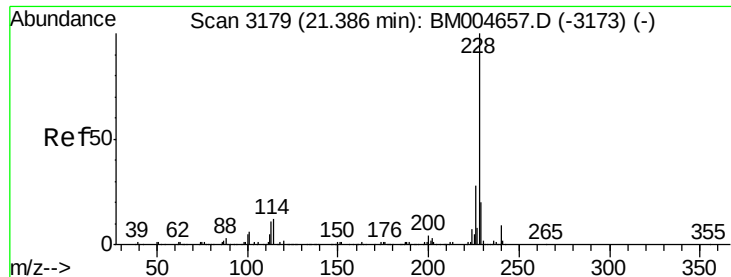
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	8.8	13.2
100	8.7	6.6	9.8



#80
 Pyrene
 Concen: 26.68 ng/ul
 RT: 19.64 min Scan# 2883
 Delta R.T. 0.01 min
 Lab File: BM004661.D
 Acq: 17 Mar 2016 11:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.2	15.2
100	10.5	8.5	12.7





#83

Benzo(a)anthracene

Concen: 23.52 ng/ul

RT: 21.39 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

Instrument :

BNA_M

ClientSampleId :

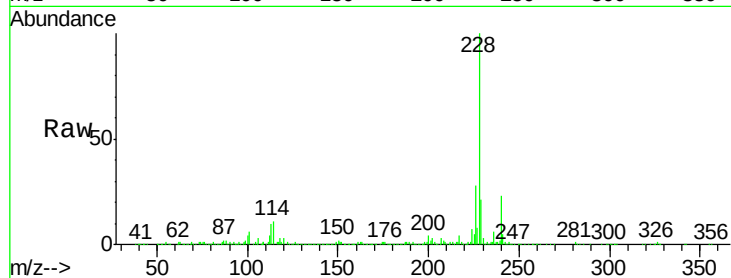
Tot Ion:228 Resp: 539250

Ion Ratio Lower Upper

228 100

229 20.8 15.7 23.5

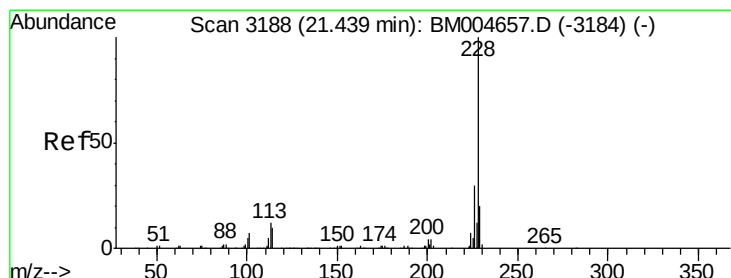
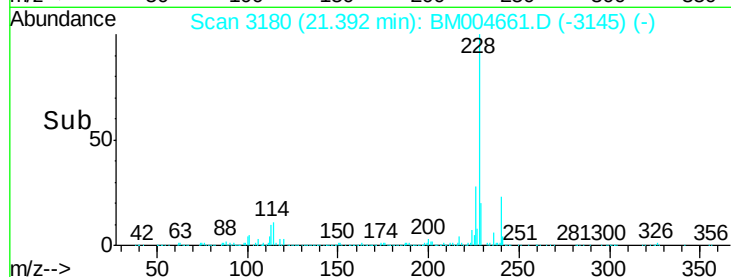
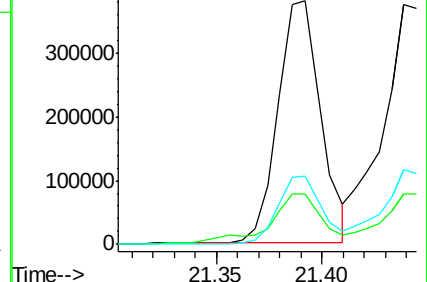
226 28.3 21.8 32.6



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



#85

Chrysene

Concen: 26.65 ng/ul

RT: 21.44 min Scan# 3188

Delta R.T. 0.00 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

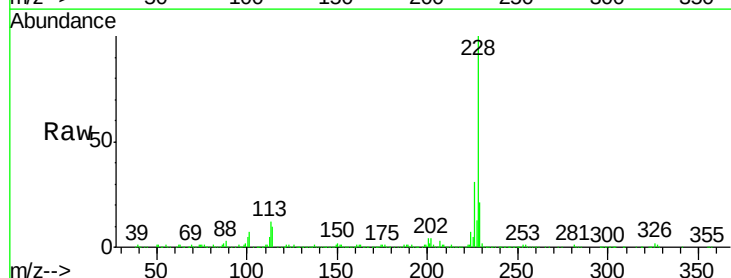
Tgt Ion:228 Resp: 583580

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

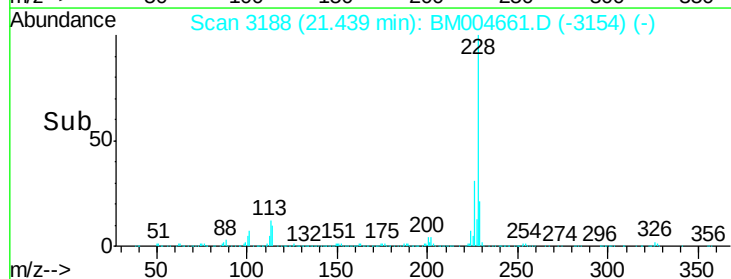
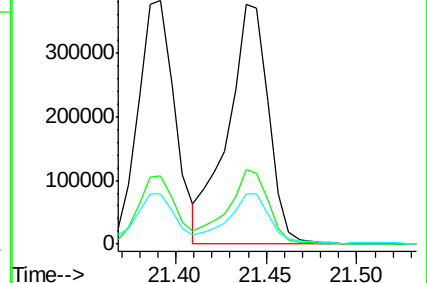
229 21.2 15.6 23.4

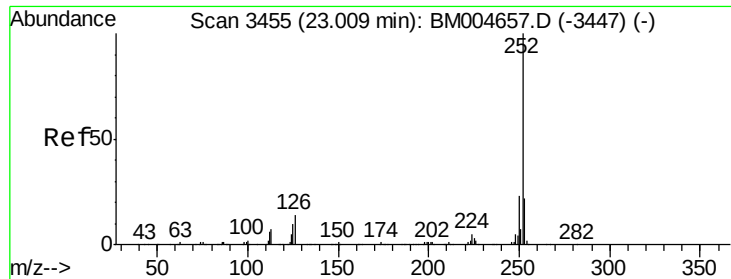


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 44.92 ng/ul

RT: 23.02 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

Instrument :

BNA_M

ClientSampleId :

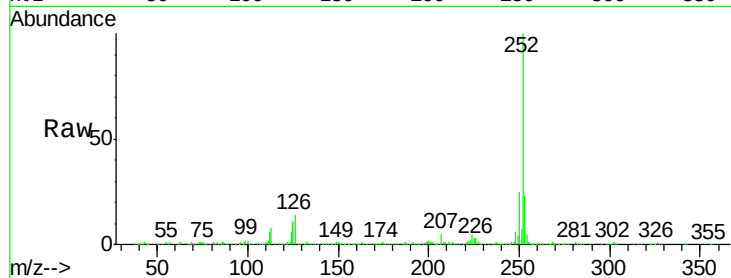
Tot Ion:252 Resp: 1053729

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

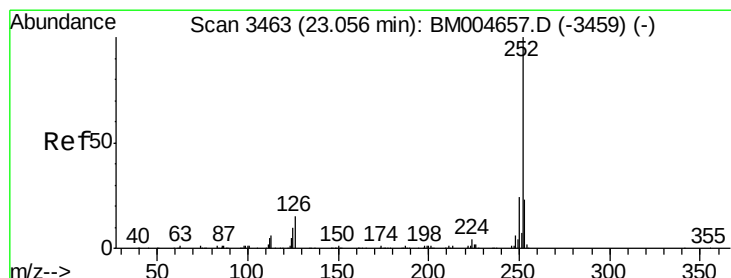
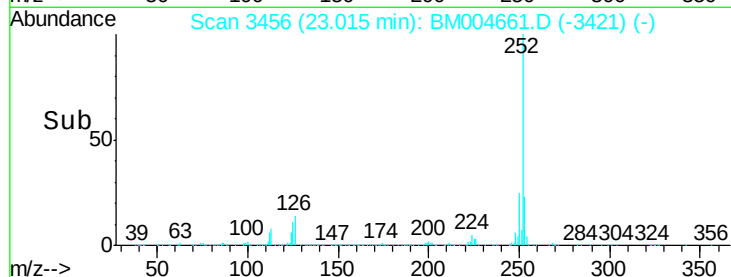
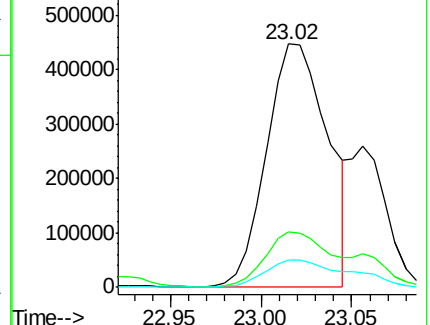
125 11.1 8.5 12.7



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



#89

Benzo(k)fluoranthene

Concen: 47.24 ng/ul

RT: 23.02 min Scan# 3456

Delta R.T. -0.04 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

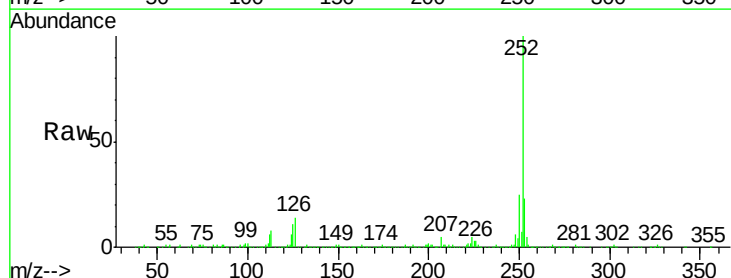
Tgt Ion:252 Resp: 1053729

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

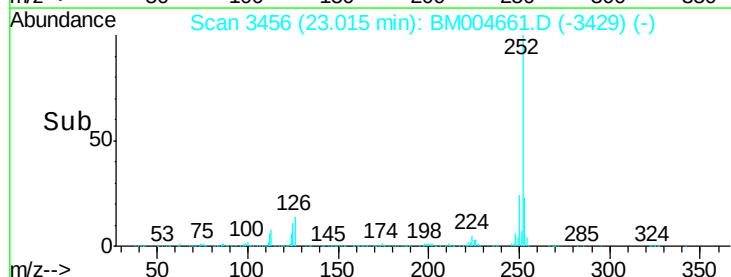
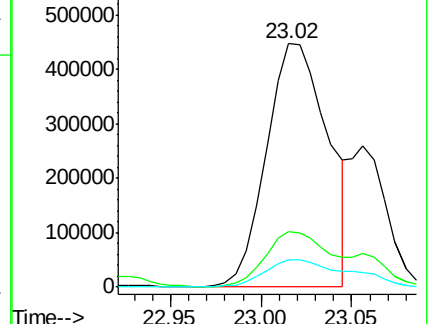
125 11.1 8.2 12.2

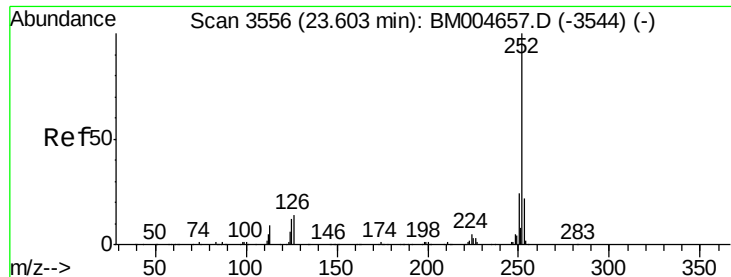


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 34.62 ng/ul

RT: 23.61 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

Instrument :

BNA_M

ClientSampled :

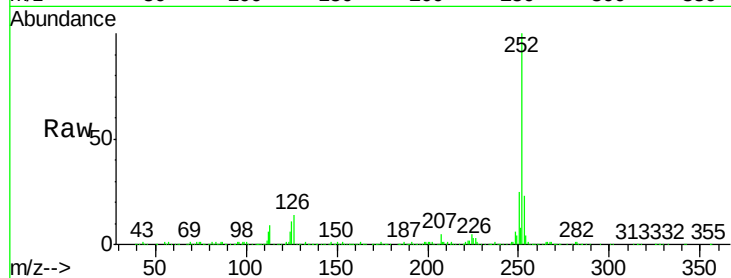
Tot Ion:252 Resp: 778268

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

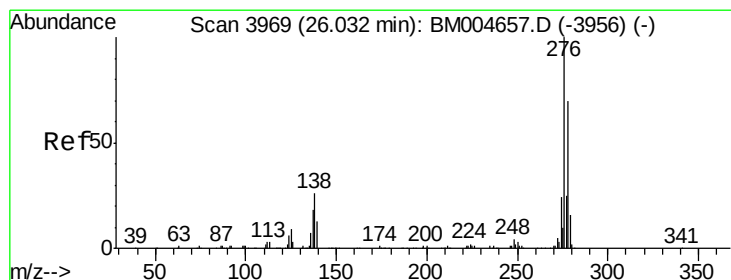
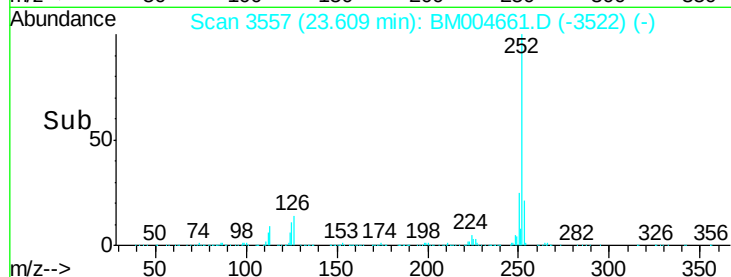
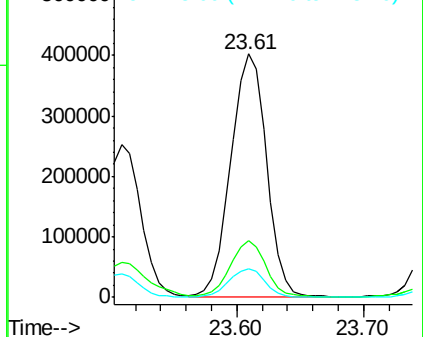
125 11.5 9.0 13.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 24.24 ng/ul

RT: 26.04 min Scan# 3971

Delta R.T. 0.01 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

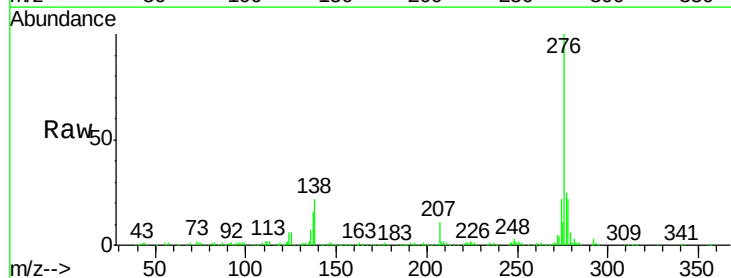
Tgt Ion:276 Resp: 612566

Ion Ratio Lower Upper

276 100

138 21.9 22.3 33.5#

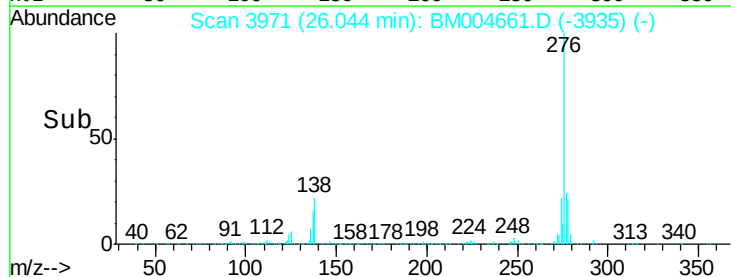
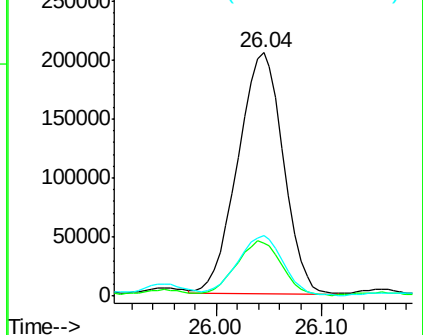
277 24.7 20.2 30.2

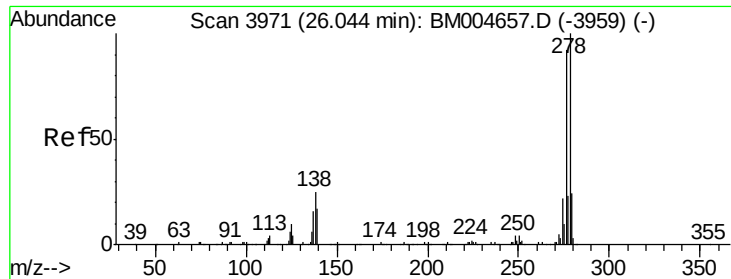


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.72 ng/ul

RT: 25.95 min Scan# 3955

Delta R.T. -0.09 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

Instrument :

BNA_M

ClientSampleId :

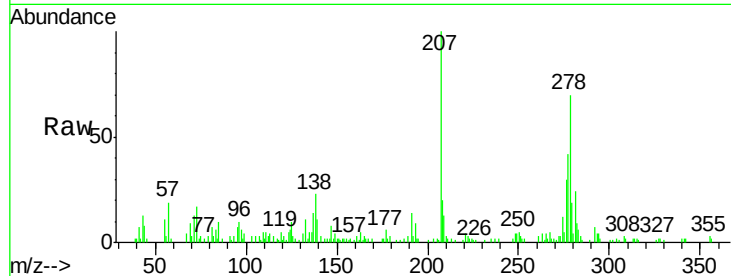
Tot Ion:278 Resp: 35899

Ion Ratio Lower Upper

278 100

139 15.2 13.9 20.9

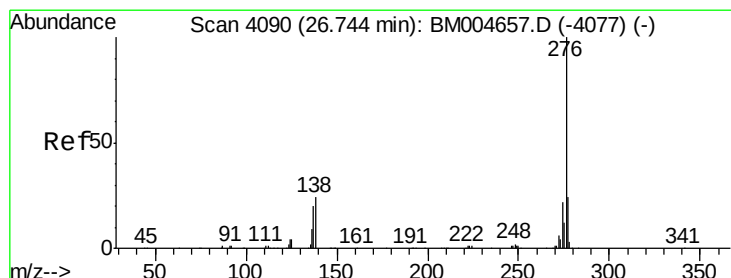
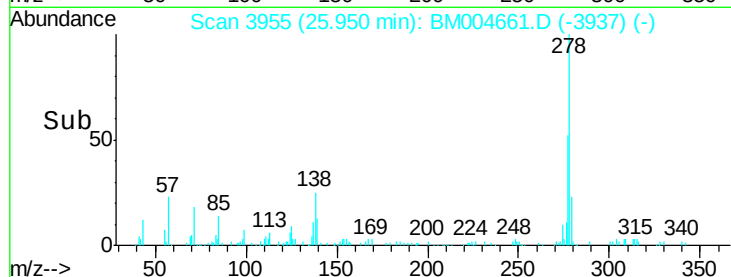
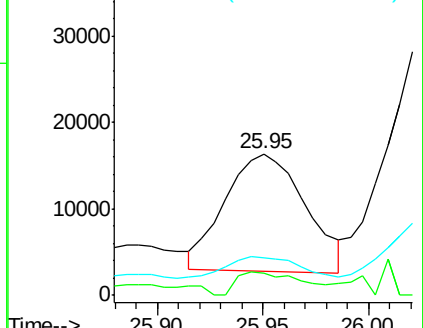
279 26.9 19.0 28.4



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



#94

Benzo(g,h,i)perylene

Concen: 28.82 ng/ul

RT: 26.76 min Scan# 4093

Delta R.T. 0.02 min

Lab File: BM004661.D

Acq: 17 Mar 2016 11:54

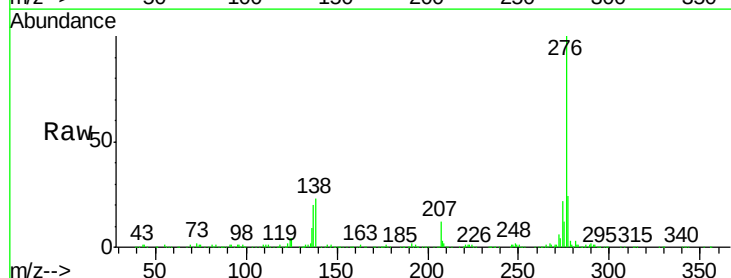
Tgt Ion:276 Resp: 616890

Ion Ratio Lower Upper

276 100

138 22.6 18.9 28.3

277 23.7 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

