

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
 Data File : BM004025.D
 Acq On : 14 Jan 2016 23:14
 Operator : SJ/UM
 Sample : H1099-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9A1

Quant Time: Jan 15 00:33:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 15 00:28:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	41713	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	201083	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	118857	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	262125	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	231272	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	199297	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3895	4.18	ng/uL	0.00
5) Phenol-d5	6.84	99	92954	26.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	54253	27.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	78981	27.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	66616	23.74	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	40105	26.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	43920	26.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	77194	26.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	93086	23.90	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	253391	27.16	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	316295	27.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	32908	19.64	ng/ul	0.00
58) Fluorene-d10	15.32	176	225551	28.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	25751	17.42	ng/ul	0.00
71) Anthracene-d10	17.17	188	340623	28.10	ng/ul	0.00
79) Pyrene-d10	19.47	212	353510	29.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	281378	28.27	ng/ul	0.00

Target Compounds

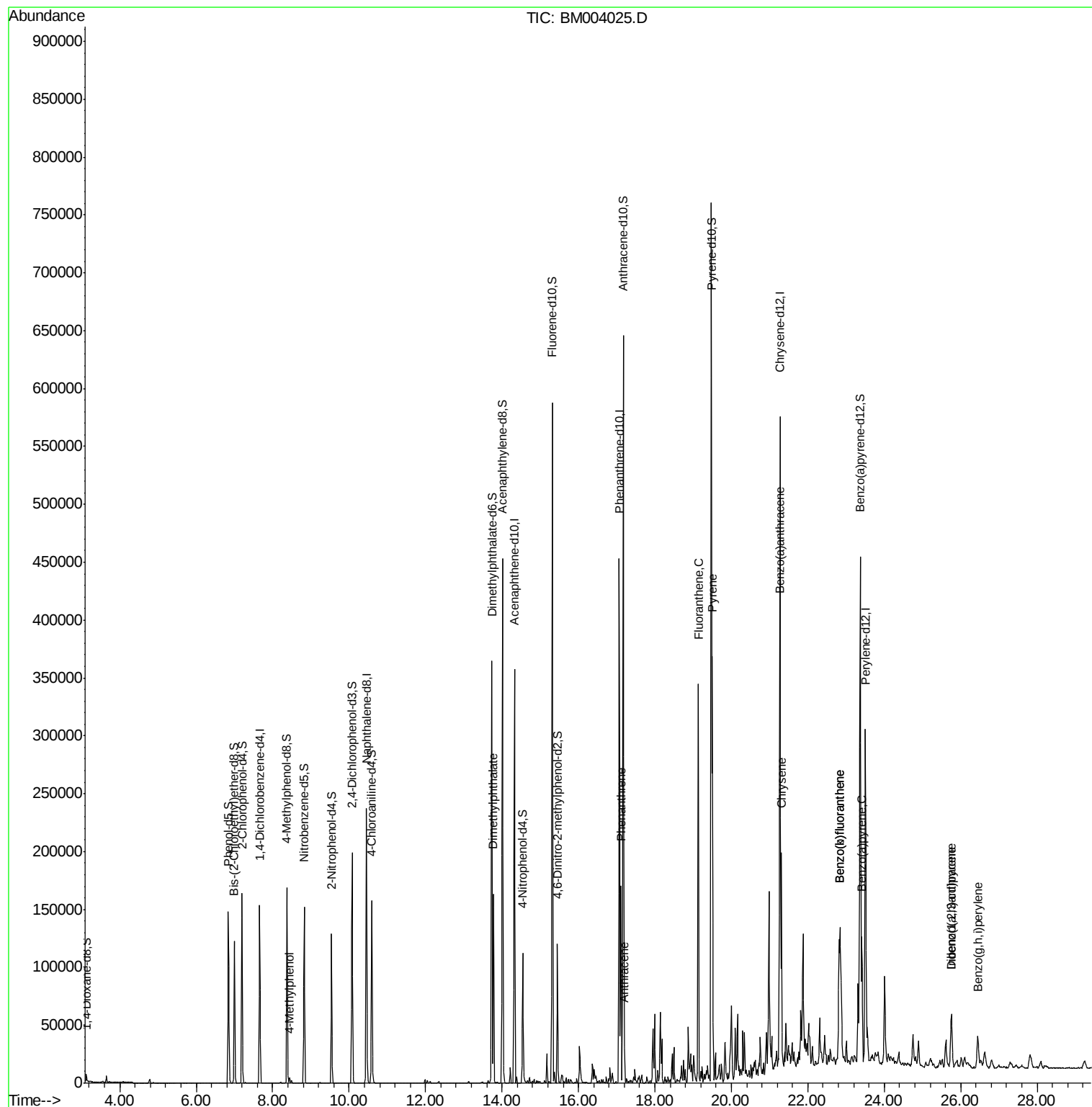
						Qvalue
16) 4-Methylphenol	8.45	108	3156	1.04	ng/ul	98
45) Dimethylphthalate	13.77	163	105498	11.09	ng/ul	99
70) Phenanthrene	17.11	178	101690	6.90	ng/ul	99
72) Anthracene	17.20	178	20515	1.36	ng/ul	100
77) Fluoranthene	19.14	202	199963	13.05	ng/ul	99
80) Pyrene	19.50	202	215357	13.72	ng/ul	98
83) Benzo(a)anthracene	21.26	228	86785	6.30	ng/ul	98
85) Chrysene	21.31	228	97040	7.42	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	95848	7.91	ng/ul	97
89) Benzo(k)fluoranthene	22.84	252	56144	4.87	ng/ul	97
91) Benzo(a)pyrene	23.41	252	72356	6.30	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.76	276	42994	3.38	ng/ul	98
93) Dibenzo(a,h)anthracene	25.76	278	13106	1.23	ng/ul#	80
94) Benzo(g,h,i)perylene	26.45	276	34534	3.24	ng/ul	98

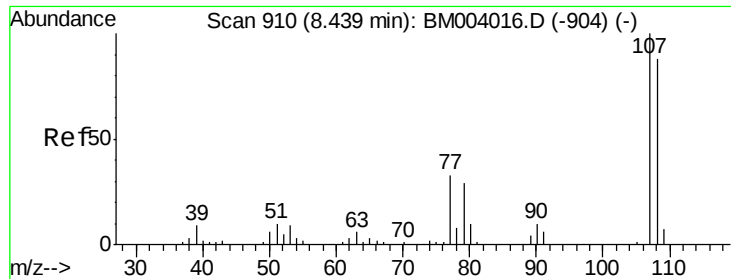
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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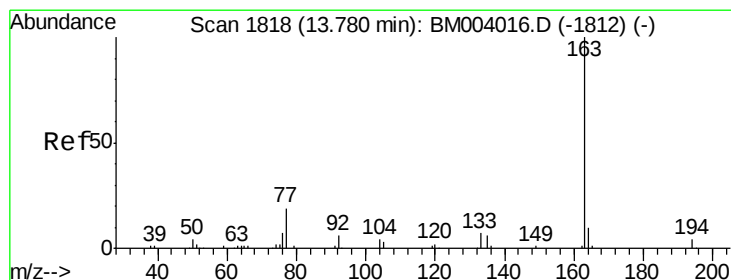
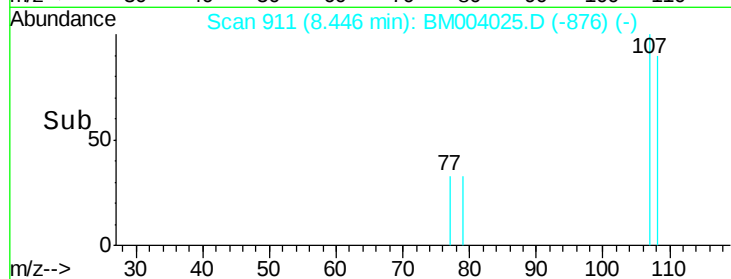
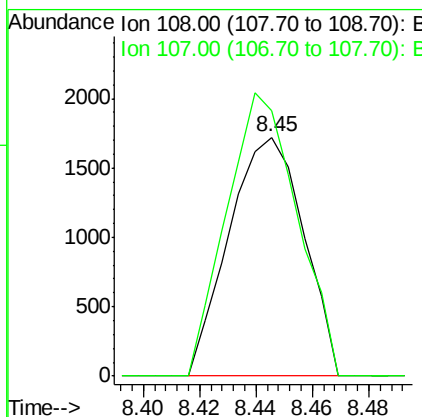
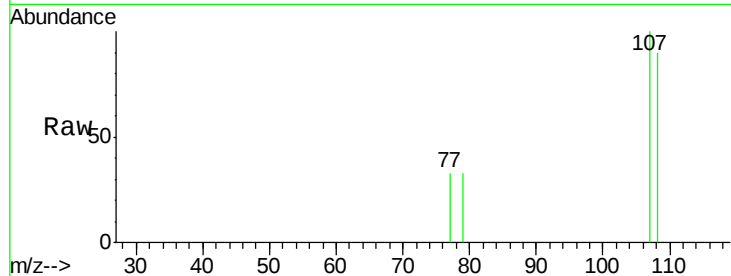




#16
4-Methylphenol
Concen: 1.04 ng/ul
RT: 8.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

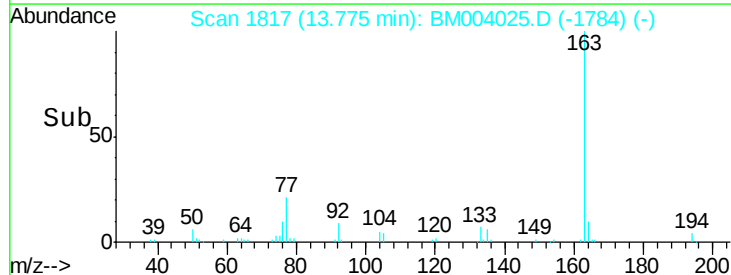
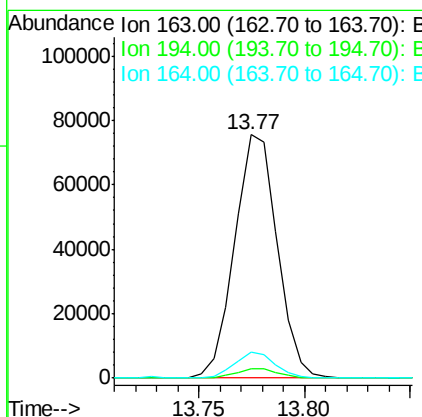
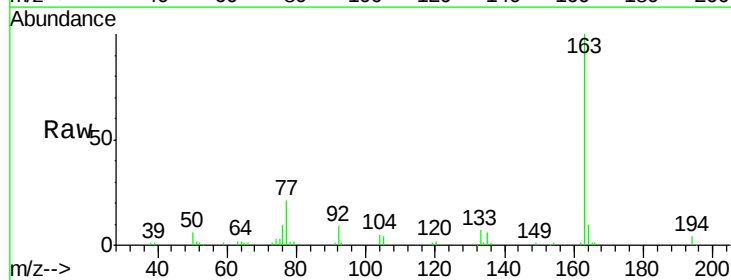
Instrument :
BNA_M
ClientSampleId :
BC9A1

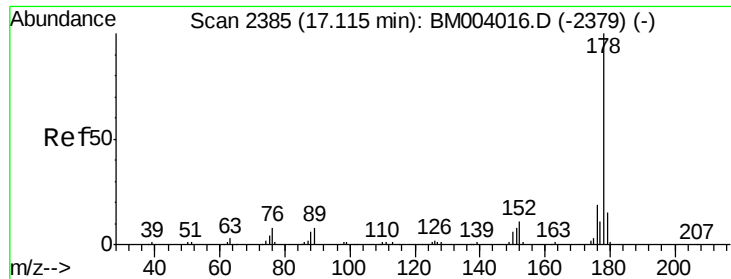
Tgt Ion:108 Resp: 3156
Ion Ratio Lower Upper
108 100
107 111.3 90.3 135.5



#45
Dimethylphthalate
Concen: 11.09 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004025.D
Acq: 14 Jan 2016 23:14

Tgt Ion:163 Resp: 105498
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.5 7.8 11.8





#70

Phenanthrene

Concen: 6.90 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

Instrument :

BNA_M

ClientSampleId :

BC9A1

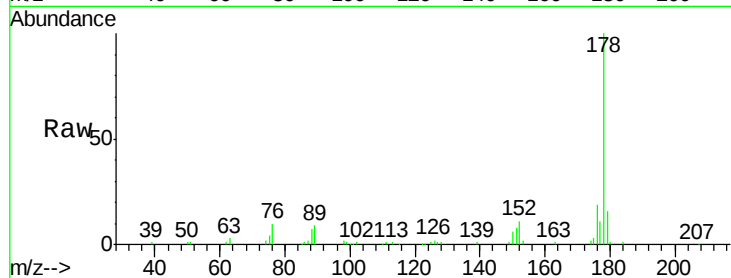
Tgt Ion:178 Resp: 101690

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

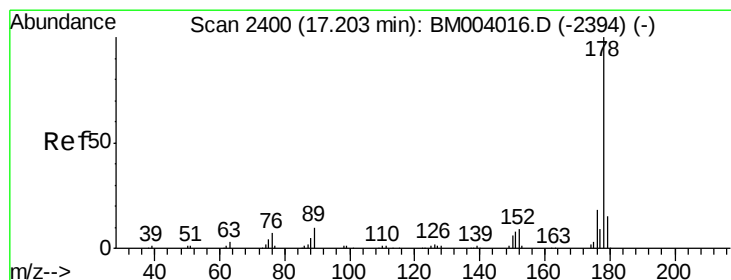
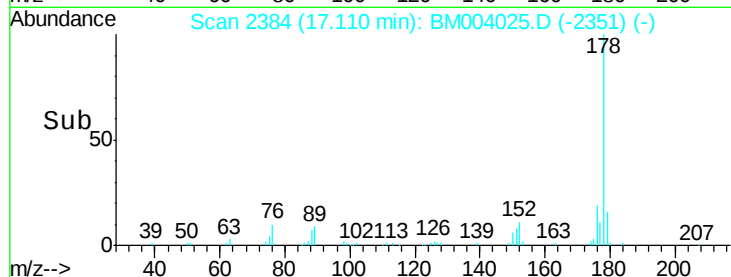
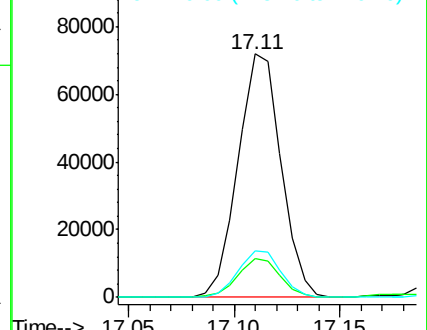
176 18.9 15.6 23.4



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: 1.36 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

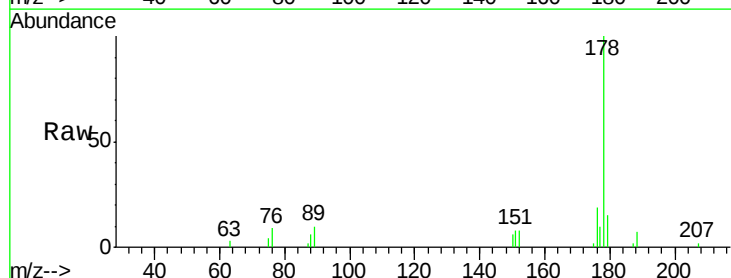
Tgt Ion:178 Resp: 20515

Ion Ratio Lower Upper

178 100

179 14.9 12.1 18.1

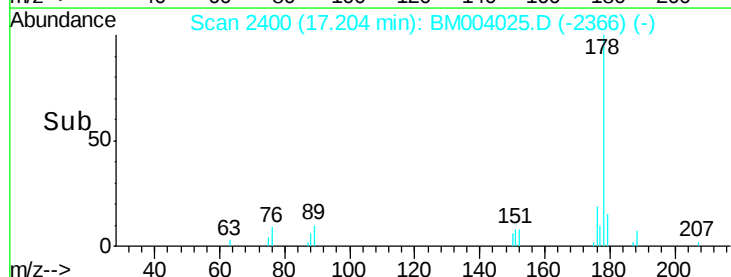
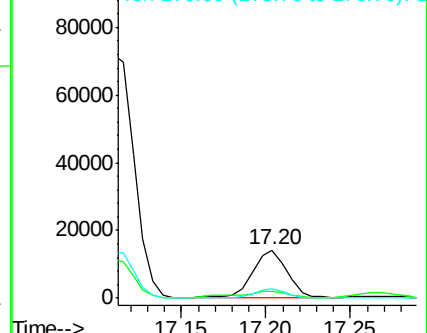
176 18.7 14.8 22.2

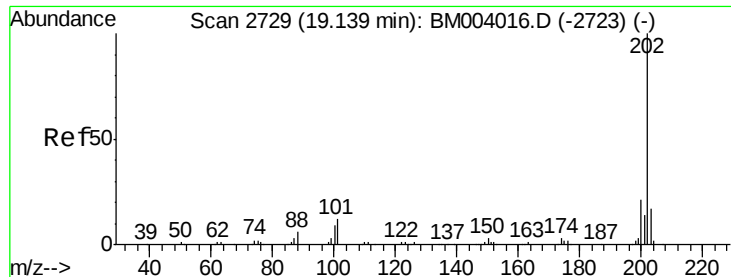


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

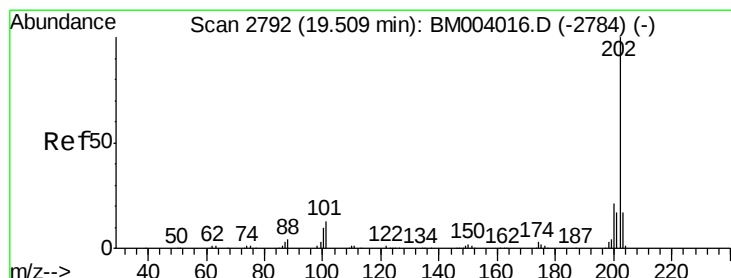
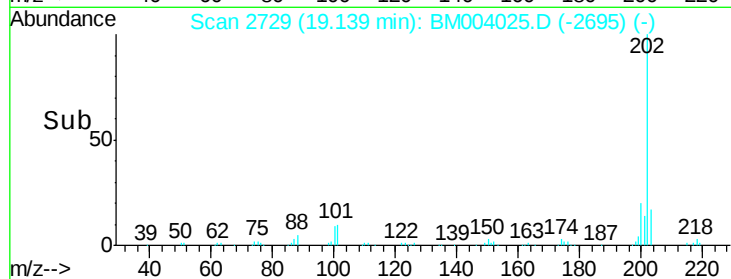
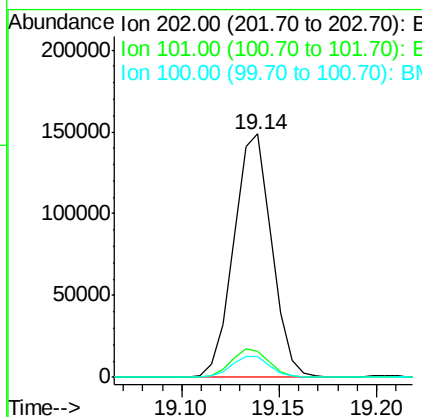
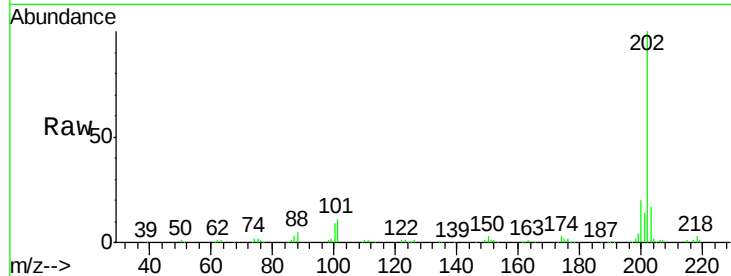




#77
 Fluoranthene
 Concen: 13.05 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM004025.D
 Acq: 14 Jan 2016 23:14

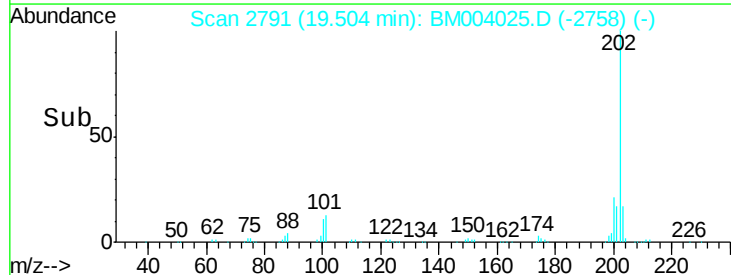
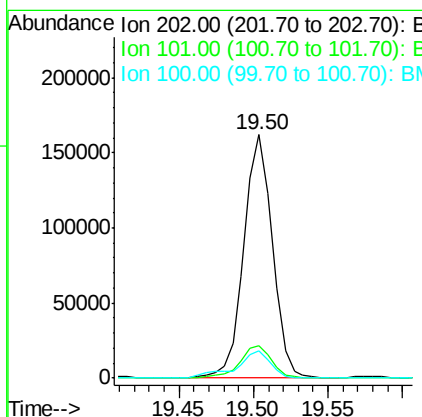
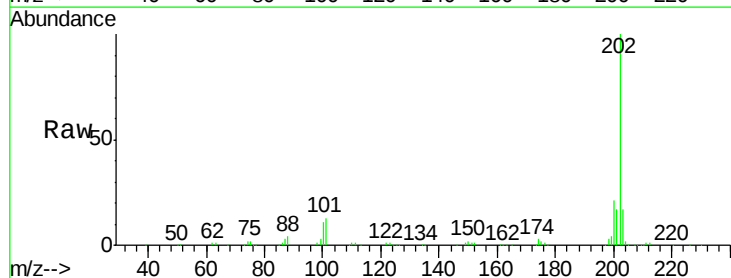
Instrument :
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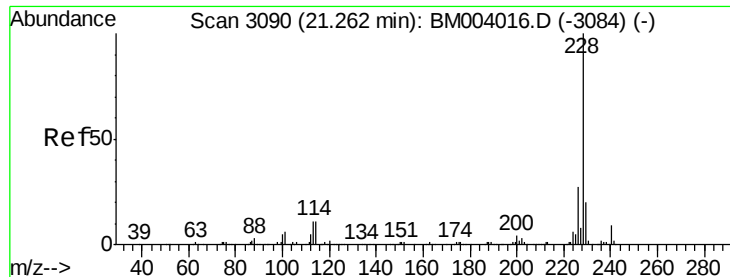
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.8	13.2
100	8.7	6.6	9.8



#80
 Pyrene
 Concen: 13.72 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.01 min
 Lab File: BM004025.D
 Acq: 14 Jan 2016 23:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.2	15.2
100	11.1	8.5	12.7





#83

Benzo(a)anthracene

Concen: 6.30 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

Instrument :

BNA_M

ClientSampleId :

BC9A1

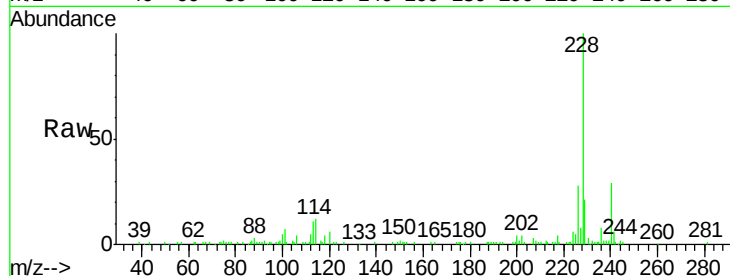
Tgt Ion:228 Resp: 86785

Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

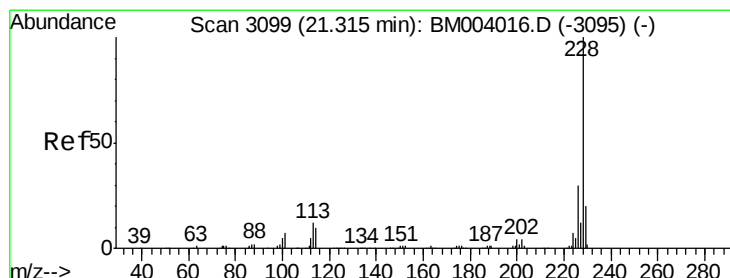
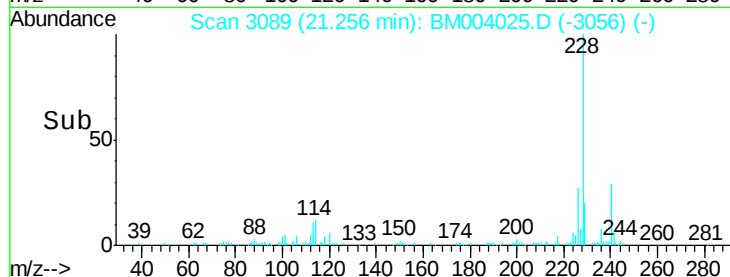
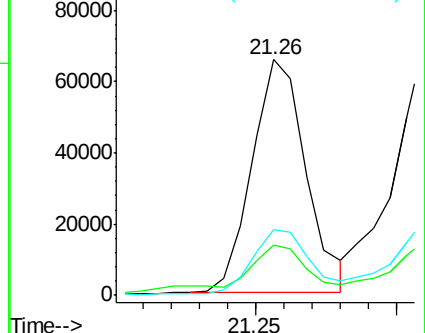
226 27.8 21.8 32.6



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: 7.42 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

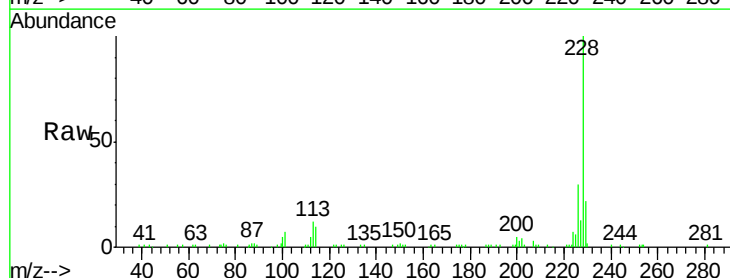
Tgt Ion:228 Resp: 97040

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

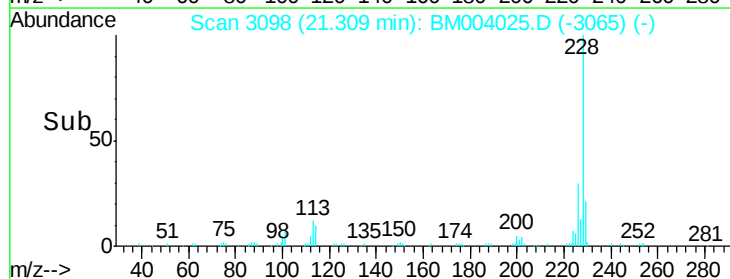
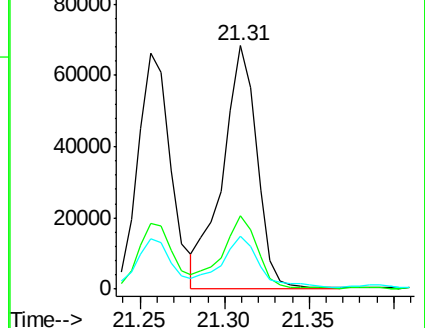
229 21.6 15.6 23.4

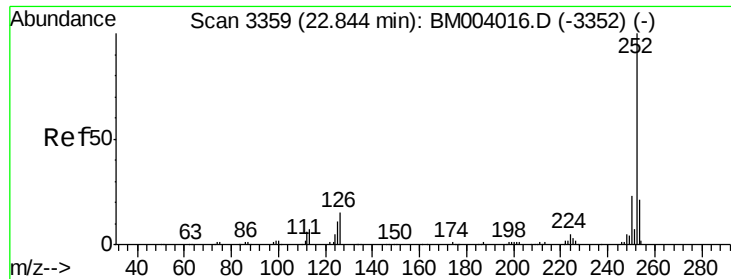


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 7.91 ng/u1

RT: 22.84 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

Instrument :

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ClientSampleId :

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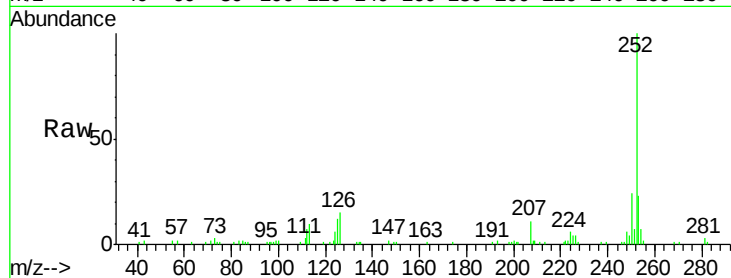
Tgt Ion:252 Resp: 95848

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

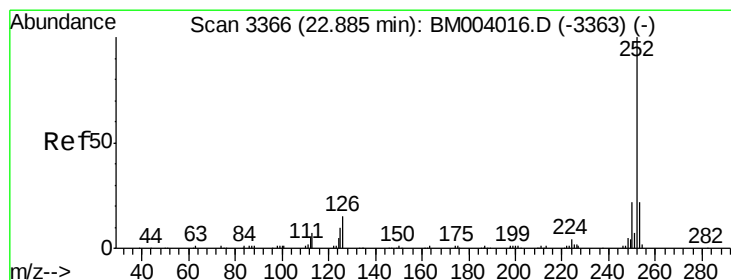
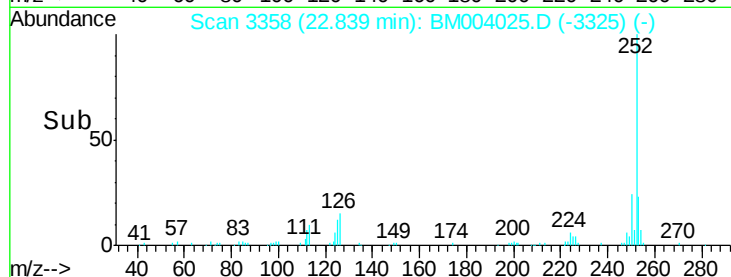
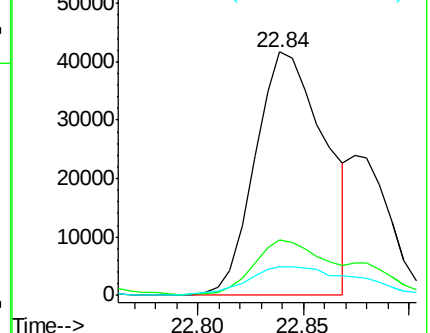
125 11.9 8.5 12.7



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: 4.87 ng/u1

RT: 22.84 min Scan# 3358

Delta R.T. -0.05 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

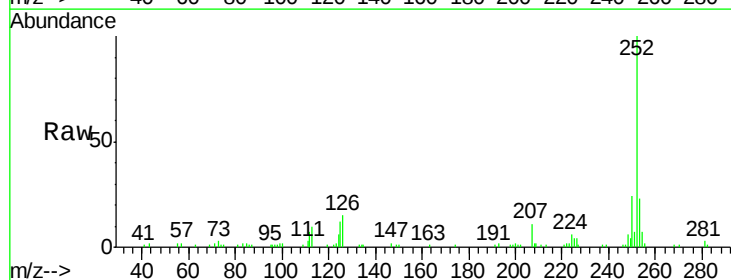
Tgt Ion:252 Resp: 56144

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

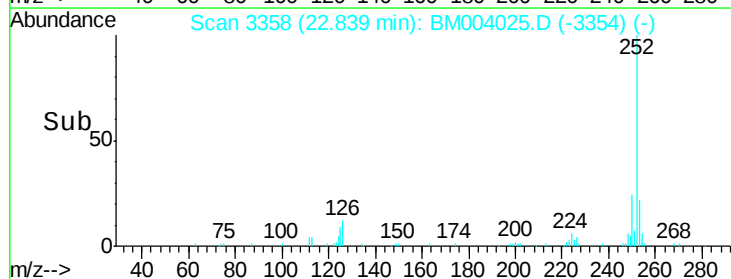
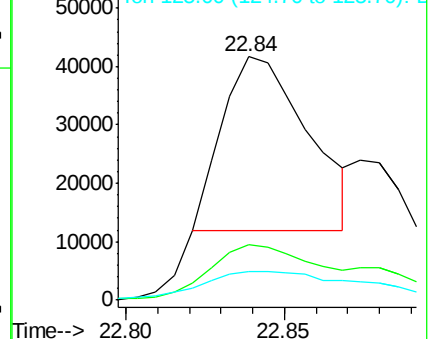
125 11.9 8.2 12.2

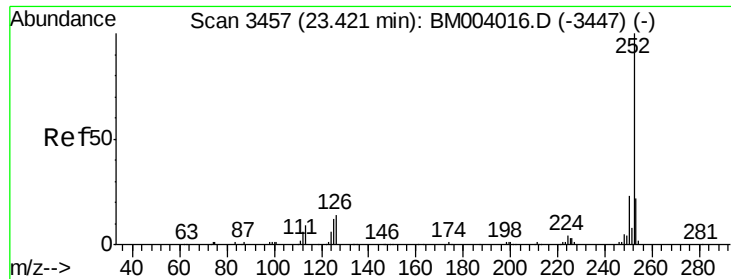


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.30 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM004025.D

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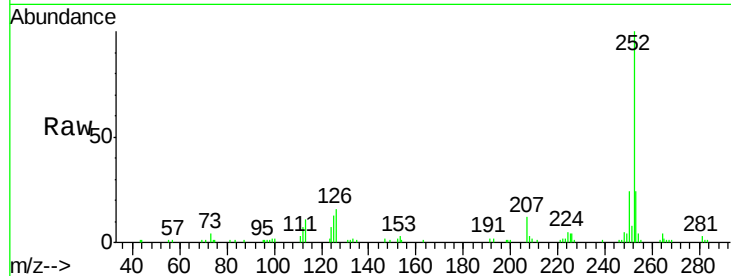
Tgt Ion:252 Resp: 72356

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

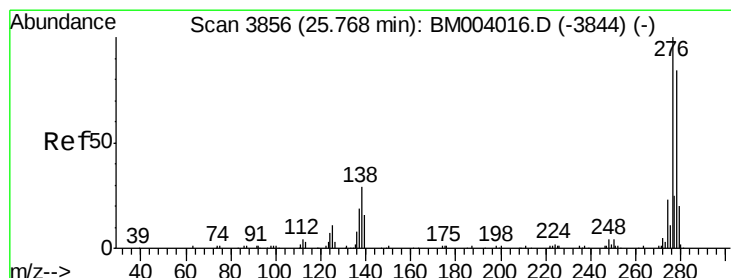
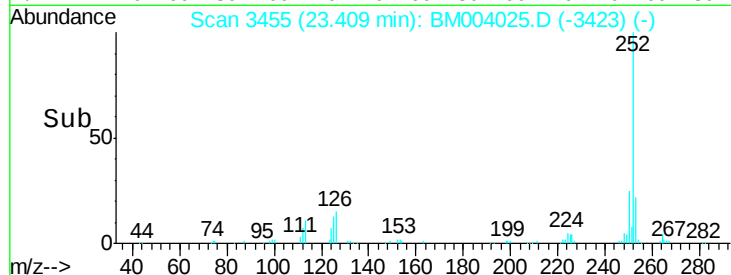
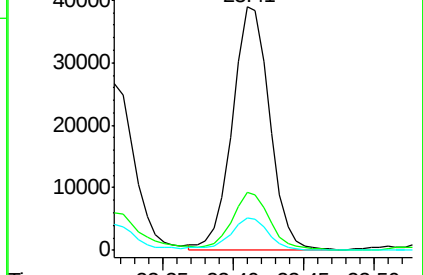
125 13.3 9.0 13.6



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: 3.38 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

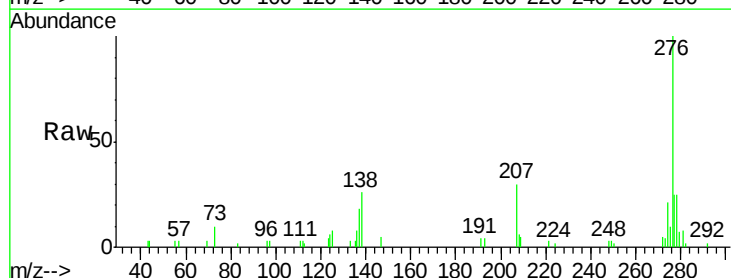
Tgt Ion:276 Resp: 42994

Ion Ratio Lower Upper

276 100

138 26.2 22.3 33.5

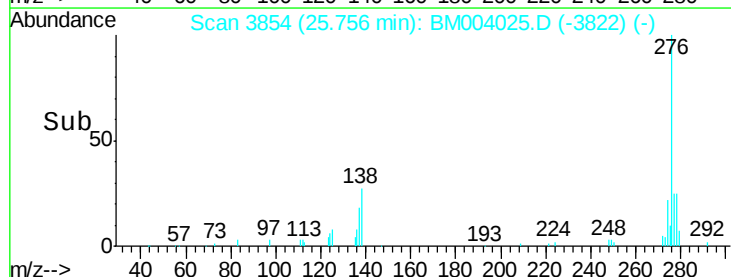
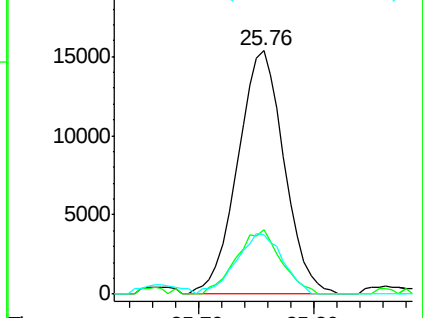
277 24.6 20.2 30.2

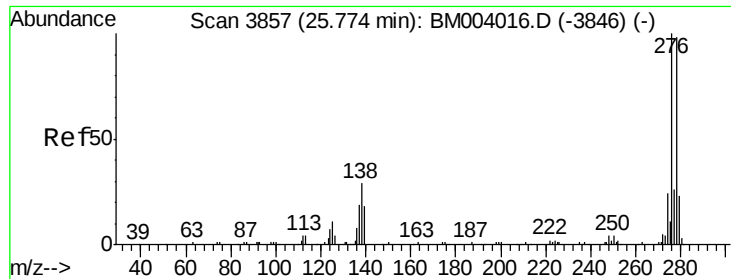


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.23 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.02 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

Instrument :

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BC9A1

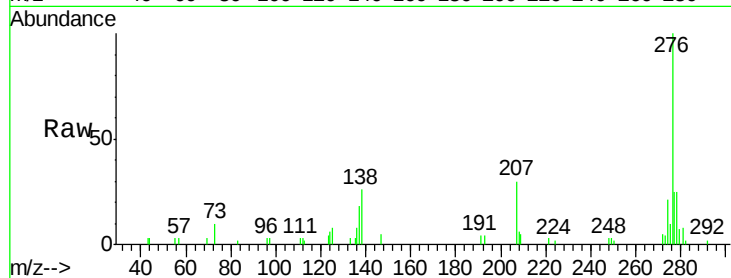
Tgt Ion:278 Resp: 13106

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

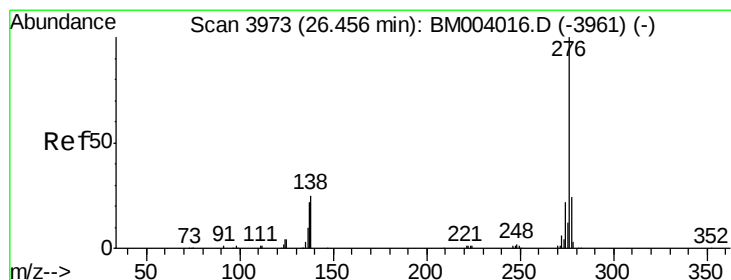
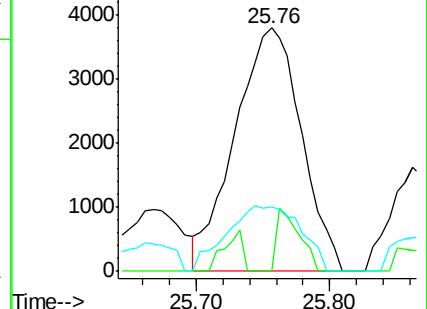
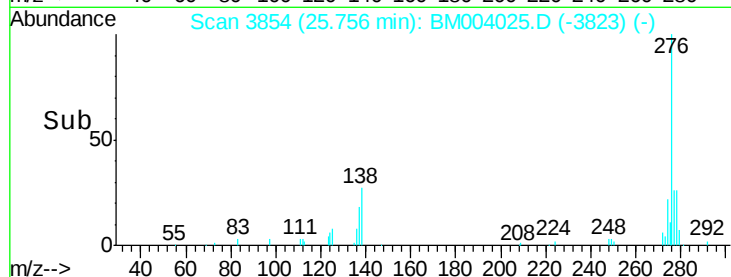
279 26.6 19.0 28.4



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: 3.24 ng/ul

RT: 26.45 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM004025.D

Acq: 14 Jan 2016 23:14

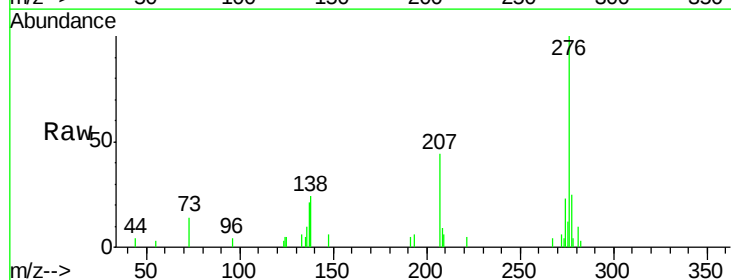
Tgt Ion:276 Resp: 34534

Ion Ratio Lower Upper

276 100

138 24.4 18.9 28.3

277 25.0 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

