

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004197.D
 Acq On : 08 Feb 2016 13:23
 Operator : SJ/IZ
 Sample : H1340-11 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04K1

Quant Time: Feb 09 00:10:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 00:07:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	19509	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	98391	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	63351	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	160304	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	204520	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	217636	20.00	ng/ul	0.00

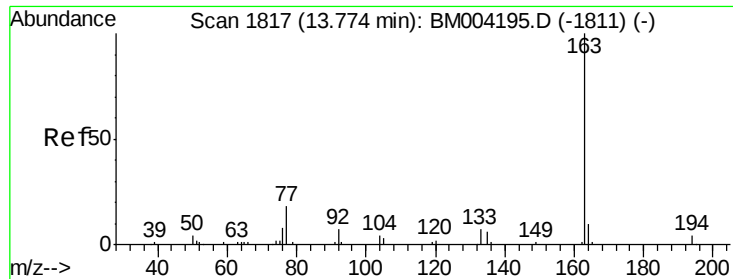
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.84	99	6456	3.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	3829	3.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	5775	3.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	4811	2.95	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	2235	3.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	2310	2.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	5322	3.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.59	131	6205	3.24	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	21781	4.00	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	25765	4.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	816	0.75	ng/ul	0.02
58) Fluorene-d10	15.31	176	22495	4.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	1296	1.31	ng/ul	0.00
71) Anthracene-d10	17.16	188	36883	4.73	ng/ul	0.00
79) Pyrene-d10	19.47	212	46951	5.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	57234	5.04	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	12879	2.24	ng/ul	98
50) Acenaphthene	14.38	153	23493	4.95	ng/ul	96
54) Dibenzofuran	14.72	168	8868	1.31	ng/ul	98
59) Fluorene	15.37	166	15968	2.84	ng/ul	99
70) Phenanthrene	17.11	178	246940	25.24	ng/ul	100
72) Anthracene	17.20	178	65061	6.56	ng/ul	100
75) Carbazole	17.47	167	31734	3.52	ng/ul	99
77) Fluoranthene	19.14	202	541862	47.59	ng/ul	99
80) Pyrene	19.50	202	468282	37.24	ng/ul	100
83) Benzo(a)anthracene	21.26	228	305830	23.49	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	1137703	141.18	ng/ul#	98
85) Chrysene	21.32	228	307478	24.84	ng/ul	97
88) Benzo(b)fluoranthene	22.84	252	432028	31.10	ng/ul	99
89) Benzo(k)fluoranthene	22.84	252	188068	14.53	ng/ul	98
91) Benzo(a)pyrene	23.41	252	273590	20.39	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.76	276	173231	10.81	ng/ul	95
94) Benzo(g,h,i)perylene	26.44	276	129079	9.45	ng/ul	99

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



#45

Dimethylphthalate

Concen: 2.24 ng/ul

RT: 13.77 min Scan# 1817

Delta R.T. 0.00 min

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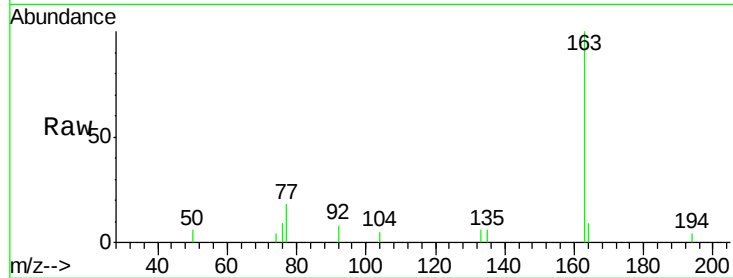
Tgt Ion:163 Resp: 12879

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

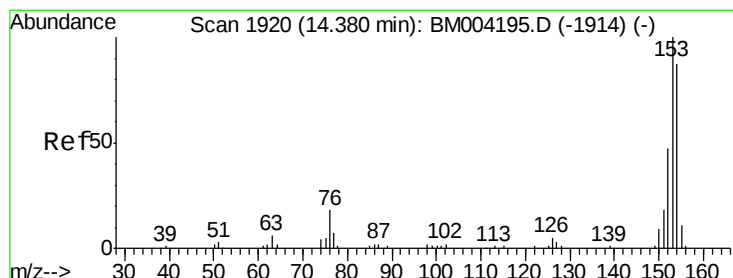
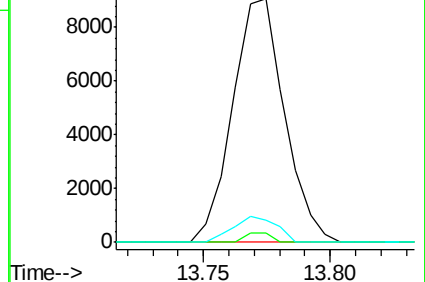
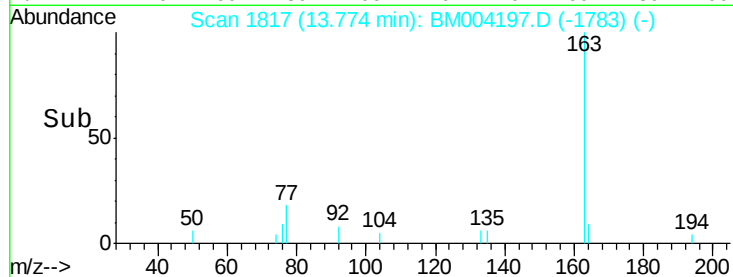
164 9.2 7.8 11.8



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



#50

Acenaphthene

Concen: 4.95 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

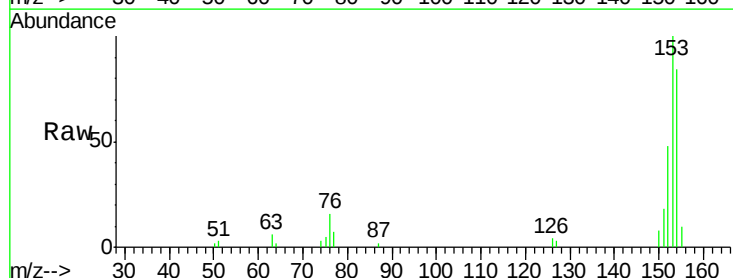
Tgt Ion:153 Resp: 23493

Ion Ratio Lower Upper

153 100

152 47.9 38.3 57.5

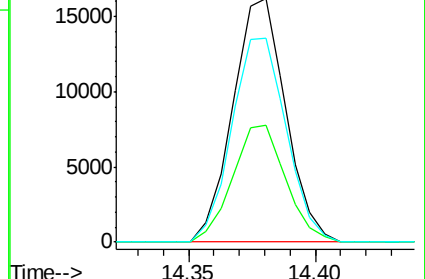
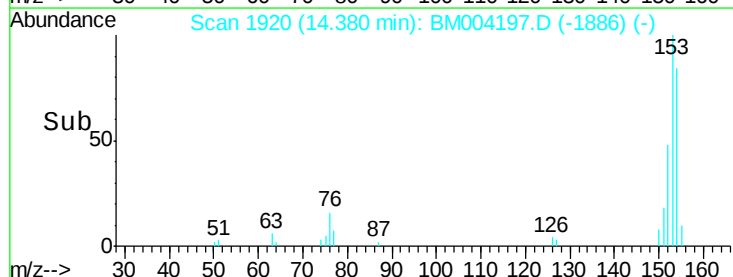
154 83.8 71.8 107.8

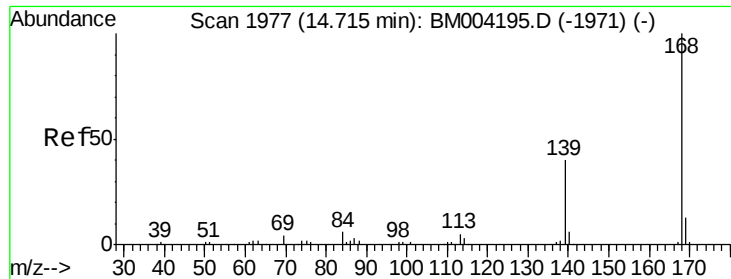


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.31 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

Instrument :

BNA_M

ClientSampleId :

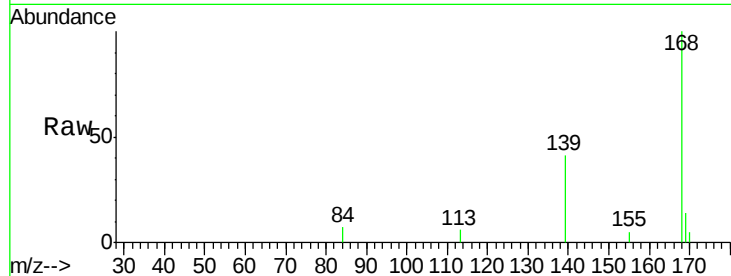
C04K1

Tgt Ion:168 Resp: 8868

Ion Ratio Lower Upper

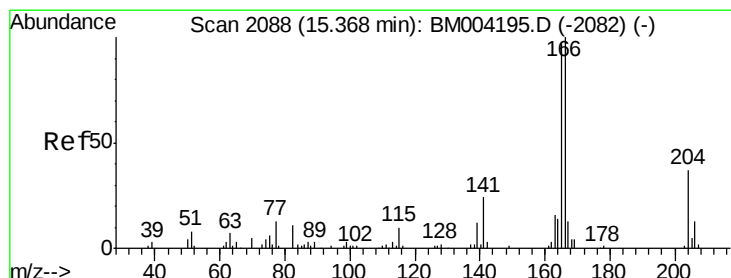
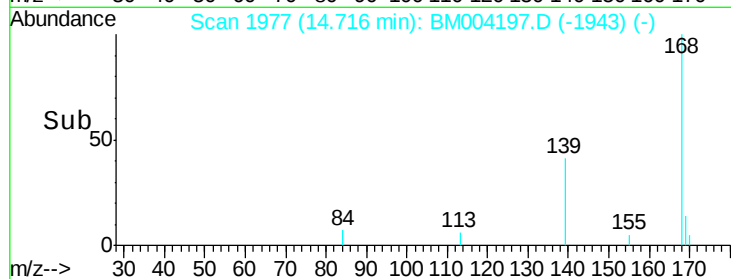
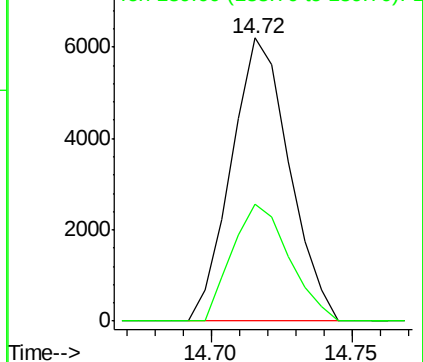
168 100

139 41.4 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.84 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

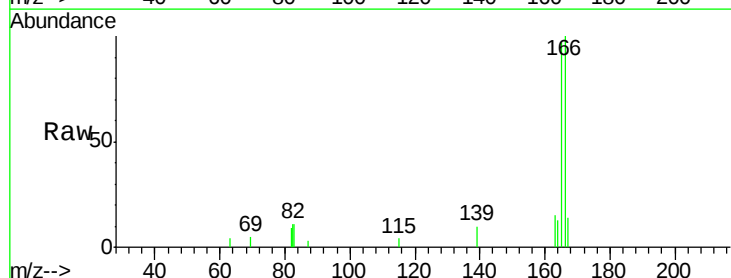
Tgt Ion:166 Resp: 15968

Ion Ratio Lower Upper

166 100

165 97.4 78.5 117.7

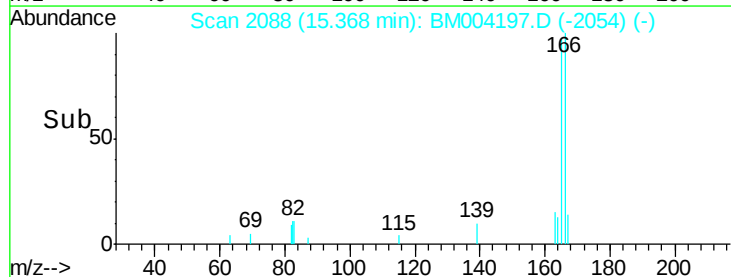
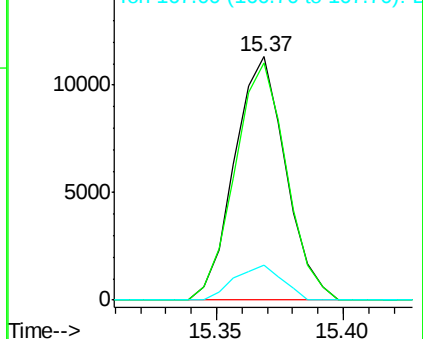
167 14.2 10.7 16.1

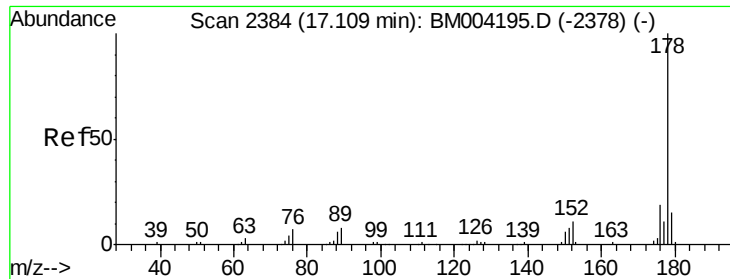


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 25.24 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

Instrument :

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ClientSampleId :

C04K1

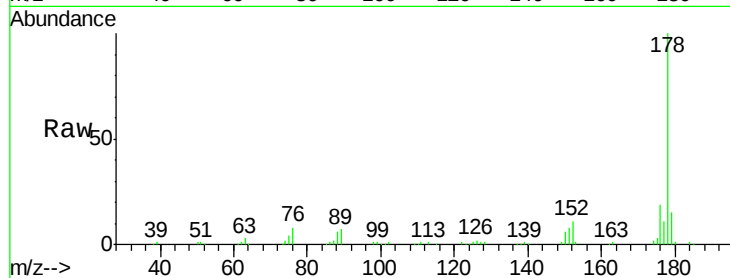
Tgt Ion:178 Resp: 246940

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

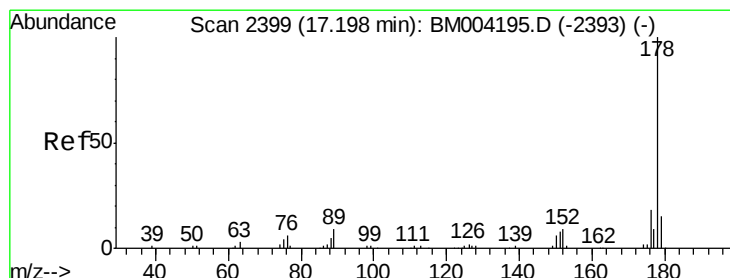
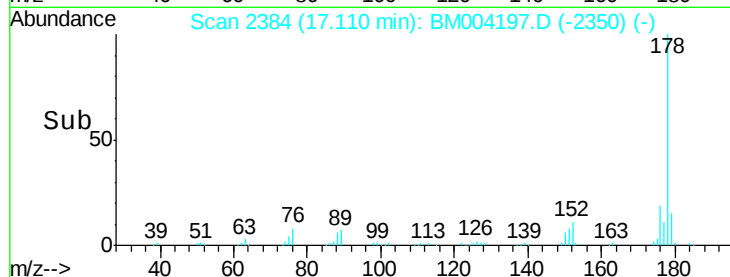
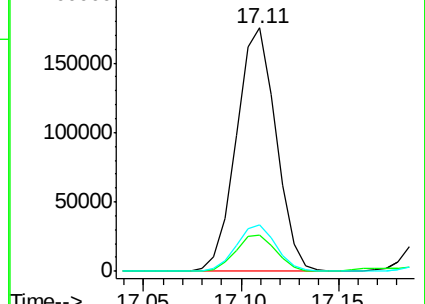
176 19.3 15.6 23.4



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: 6.56 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

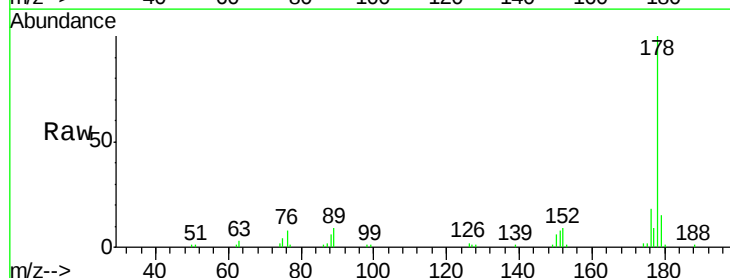
Tgt Ion:178 Resp: 65061

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

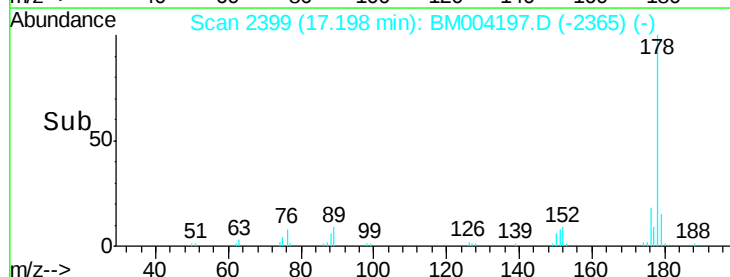
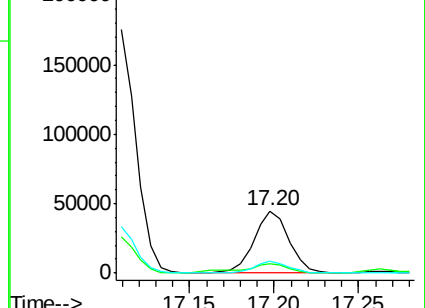
176 18.4 14.8 22.2

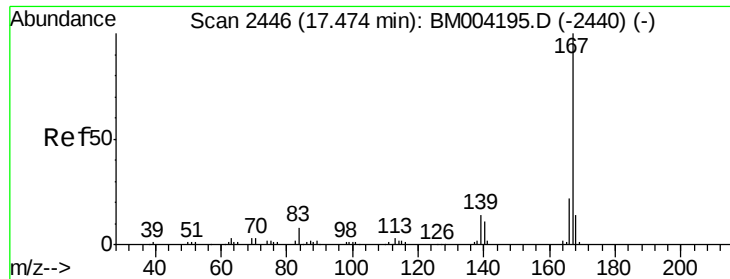


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

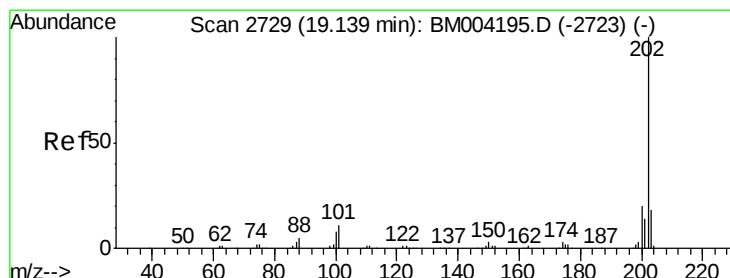
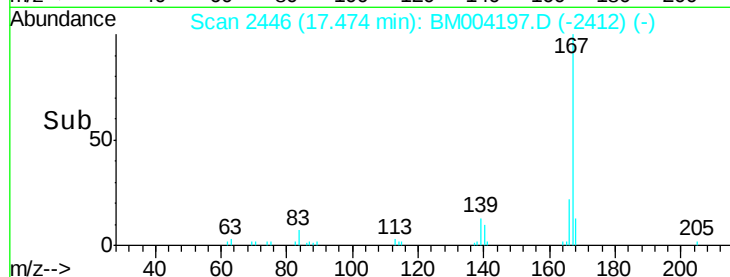
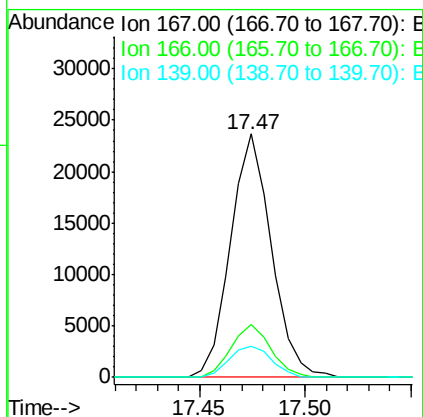
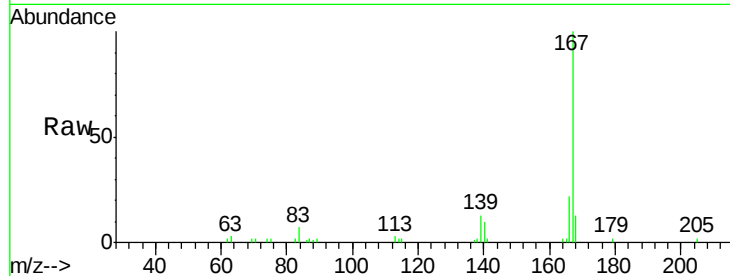




#75
 Carbazole
 Concen: 3.52 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM004197.D
 Acq: 08 Feb 2016 13:23

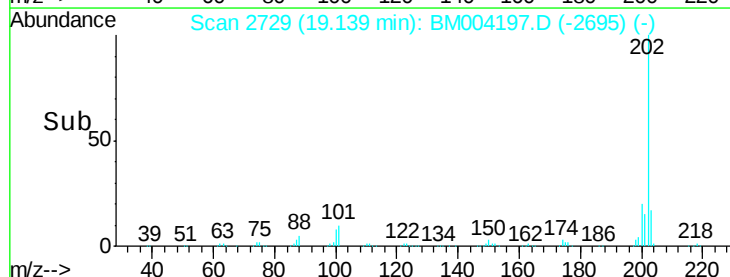
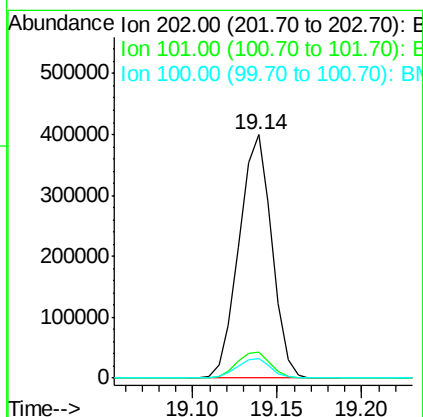
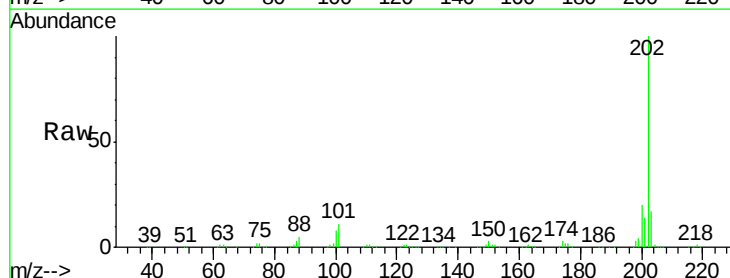
Instrument :
 BNA_M
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 C04K1

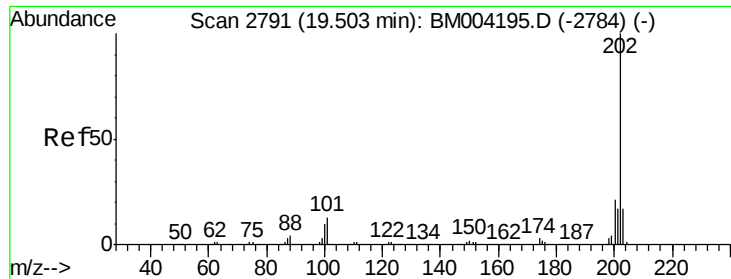
Tgt Ion:167 Resp: 31734
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.0 11.0 16.4



#77
 Fluoranthene
 Concen: 47.59 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM004197.D
 Acq: 08 Feb 2016 13:23

Tgt Ion:202 Resp: 541862
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.8 13.2
 100 8.0 6.6 9.8

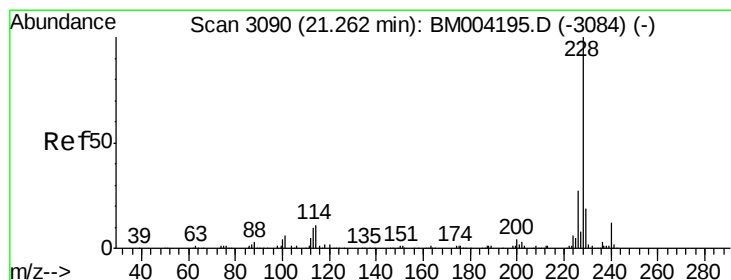
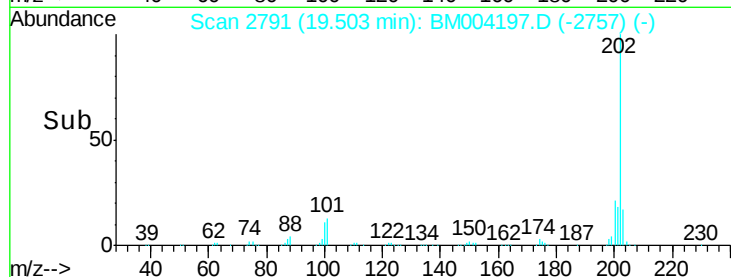
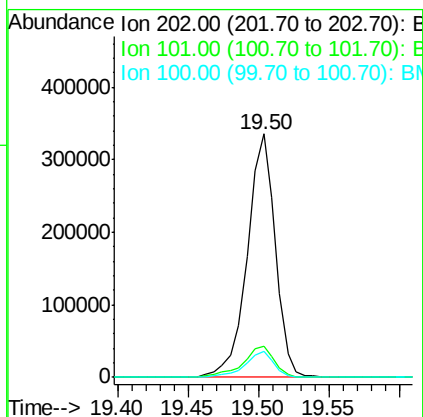
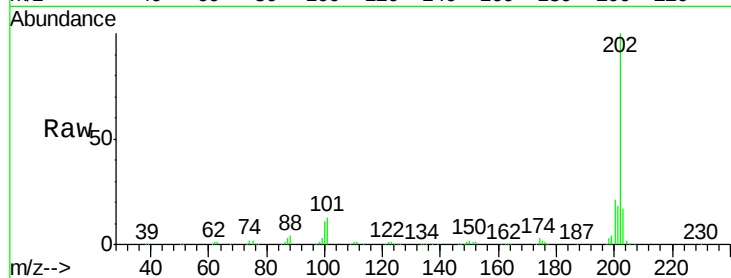




#80
 Pyrene
 Concen: 37.24 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004197.D
 Acq: 08 Feb 2016 13:23

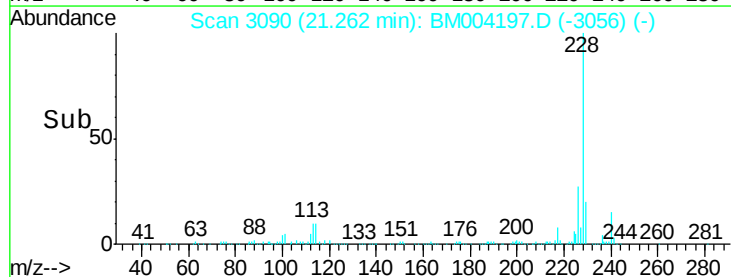
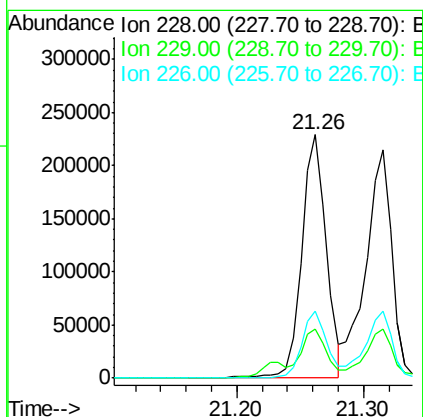
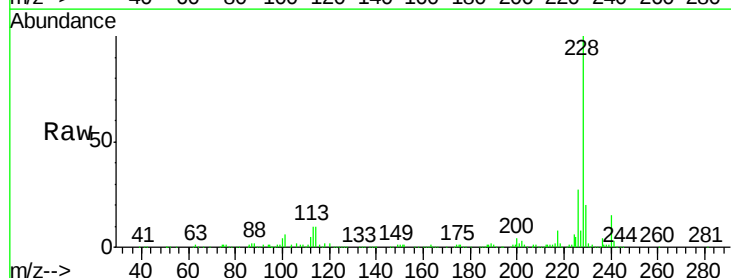
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 ClientSampleId :
 C04K1

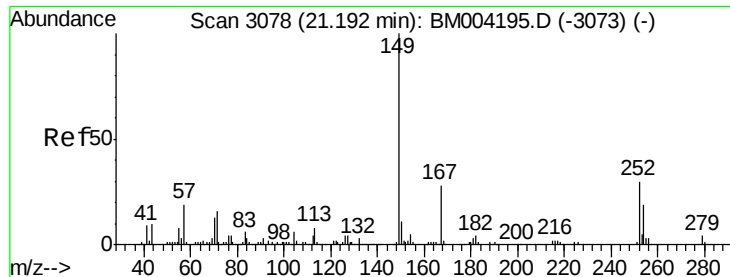
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.2	15.2
100	10.5	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 23.49 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM004197.D
 Acq: 08 Feb 2016 13:23

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.7	23.5
226	27.3	21.8	32.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 141.18 ng/ul

RT: 21.19 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

Instrument :

BNA_M

ClientSampleId :

C04K1

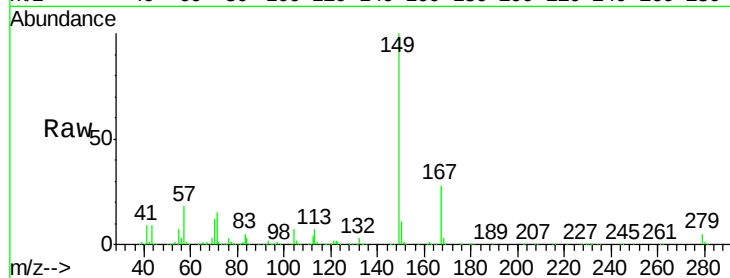
Tgt Ion:149 Resp: 1137703

Ion Ratio Lower Upper

149 100

167 28.3 21.6 32.4

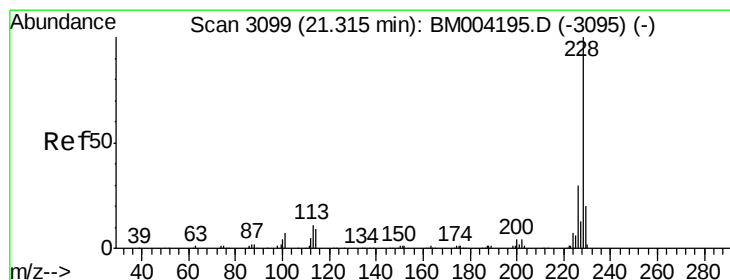
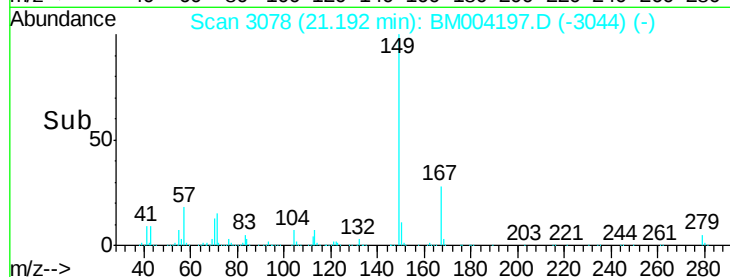
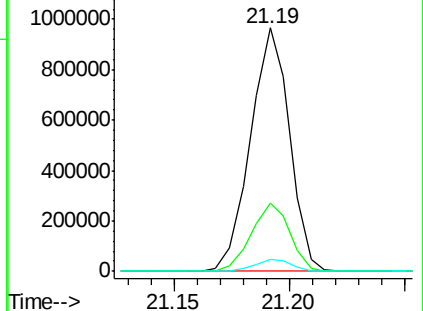
279 4.7 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 24.84 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

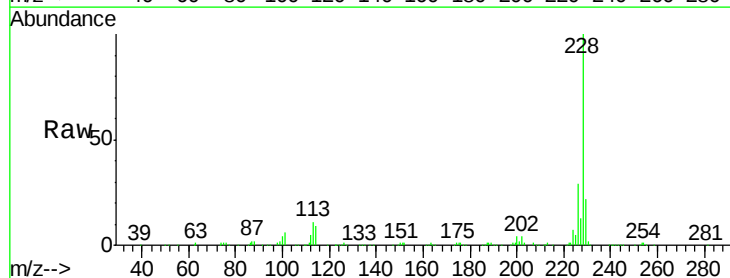
Tgt Ion:228 Resp: 307478

Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

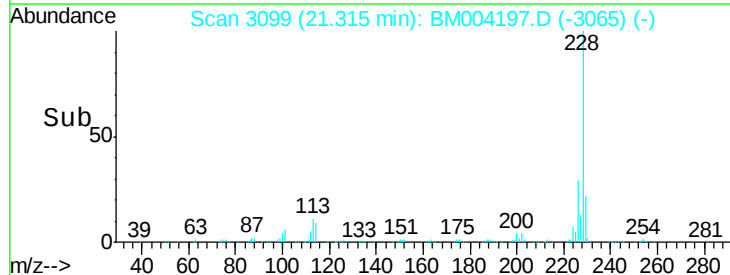
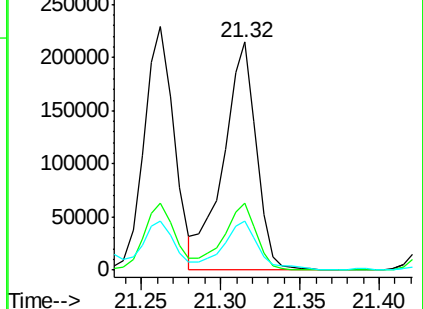
229 21.7 15.6 23.4

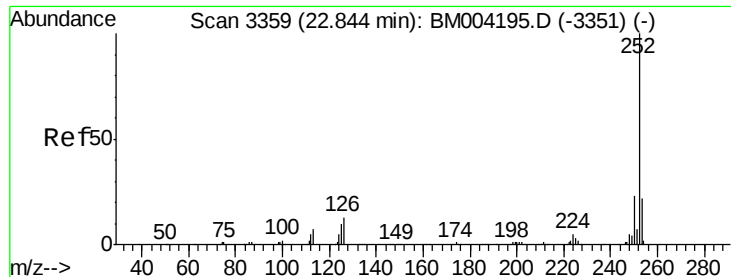


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 31.10 ng/u1

RT: 22.84 min Scan# 3359

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

Instrument :

BNA_M

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C04K1

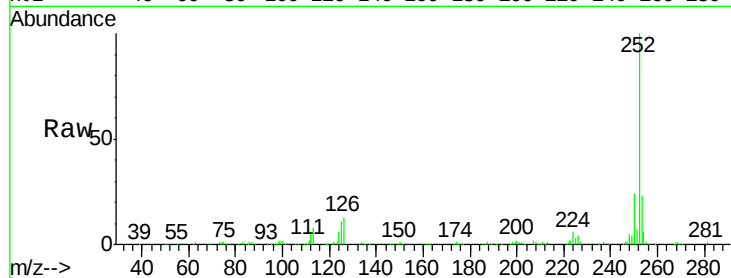
Tgt Ion:252 Resp: 432028

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

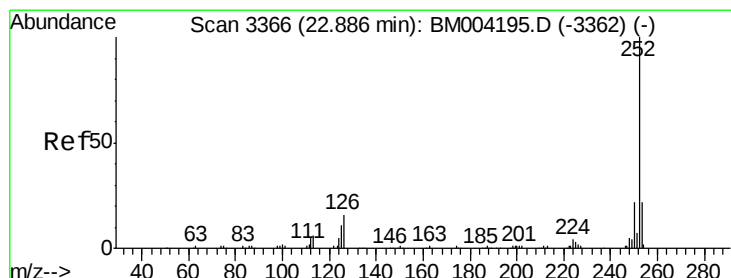
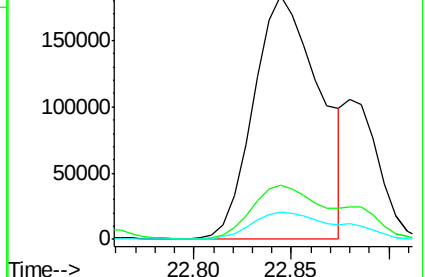
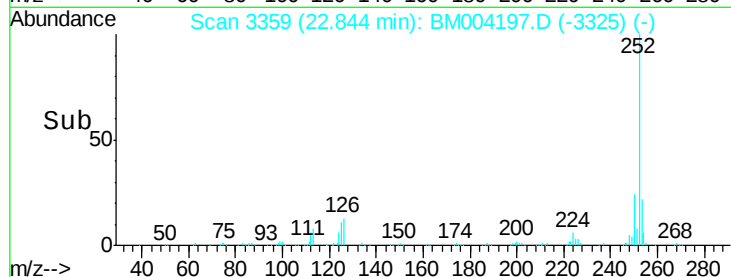
125 11.2 8.5 12.7



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: 14.53 ng/u1

RT: 22.84 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

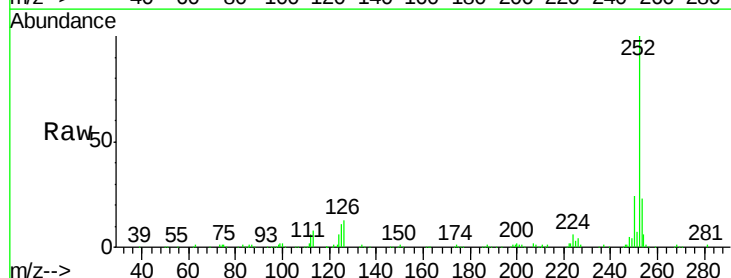
Tgt Ion:252 Resp: 188068

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

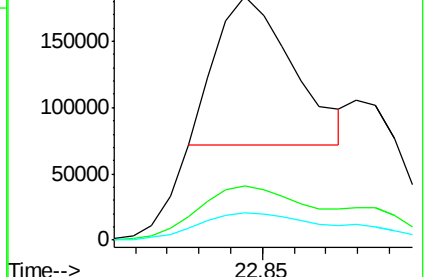
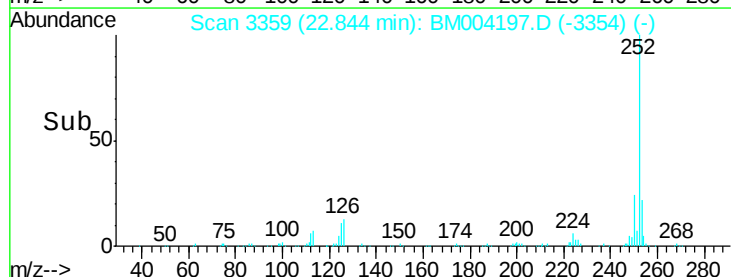
125 11.2 8.2 12.2

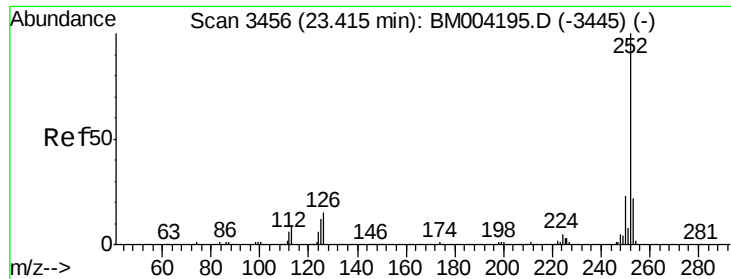


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 20.39 ng/ul

RT: 23.41 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

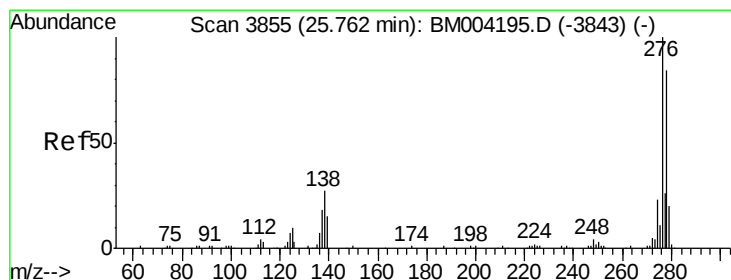
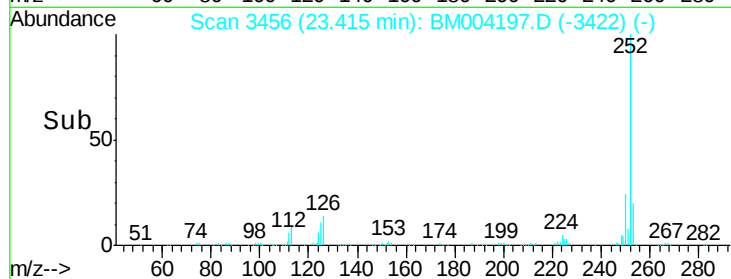
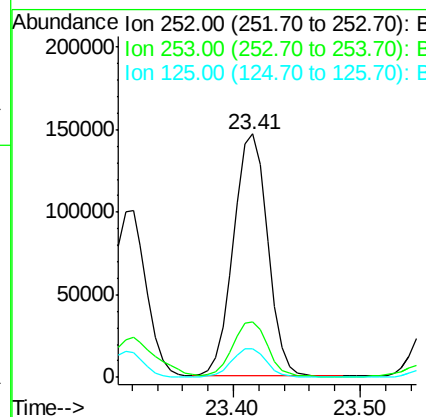
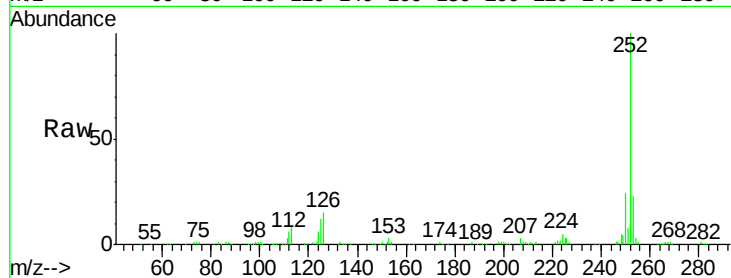
Instrument :

BNA_M

ClientSampleId :

C04K1

Tgt Ion:	252	Resp:	273590
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	11.5	9.0	13.6



#92

Indeno(1,2,3-cd)pyrene

Concen: 10.81 ng/ul

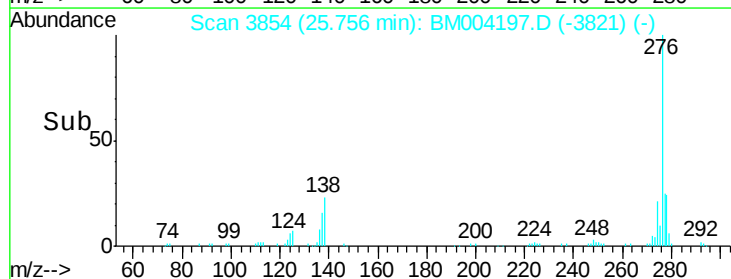
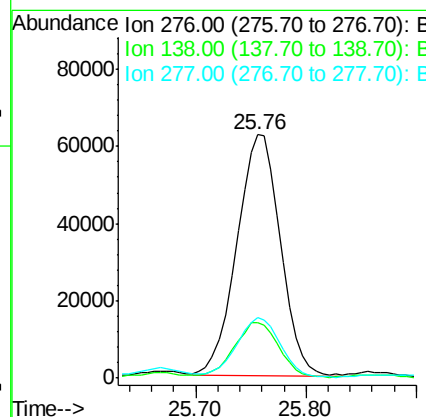
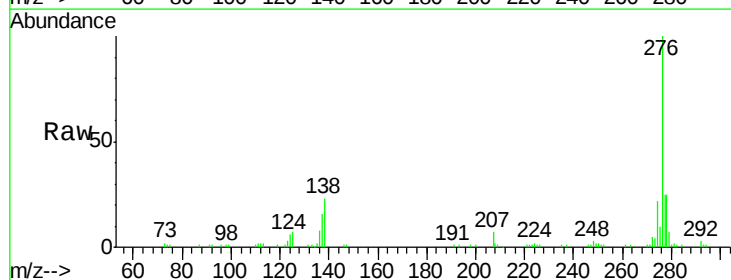
RT: 25.76 min Scan# 3854

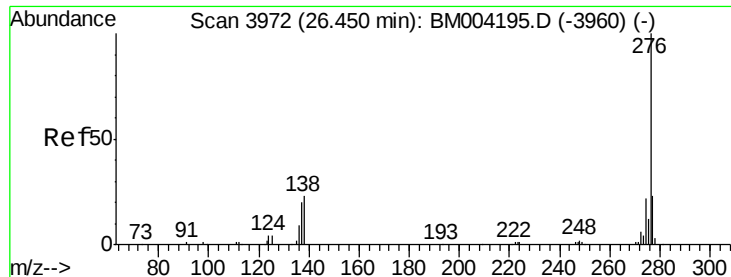
Delta R.T. -0.01 min

Lab File: BM004197.D

Acq: 08 Feb 2016 13:23

Tgt Ion:	276	Resp:	173231
Ion Ratio	Lower	Upper	
276	100		
138	22.9	22.3	33.5
277	25.1	20.2	30.2





#94

Benzo(g,h,i)perylene

Concen: 9.45 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

Lab File: BM004197.D

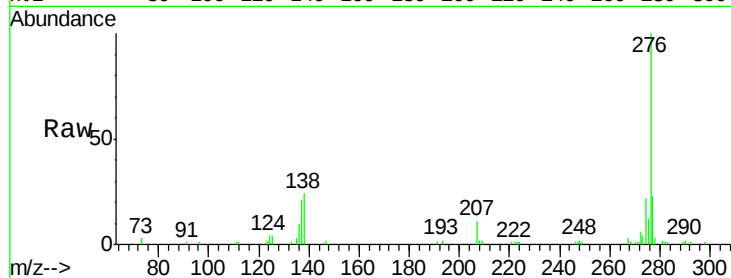
Acq: 08 Feb 2016 13:23

Instrument :

BNA_M

ClientSampleId :

C04K1



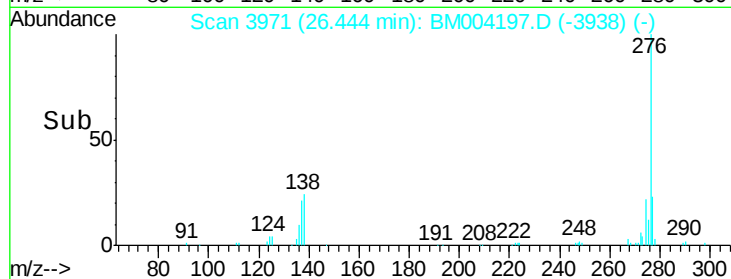
Tgt Ion:276 Resp: 129079

Ion Ratio Lower Upper

276 100

138 23.8 18.9 28.3

277 23.3 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

