

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004203.D
 Acq On : 08 Feb 2016 16:59
 Operator : SJ/IZ
 Sample : H1340-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04J7

Quant Time: Feb 09 00:12:02 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	32896	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	155160	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	91724	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	210844	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	233250	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	191487	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	2152	3.46	ng/uL	0.00
5) Phenol-d5	6.84	99	53062	16.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	28908	16.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	46833	18.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	35936	13.05	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	23054	20.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	25904	20.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	46215	19.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	33513	11.10	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	155117	19.66	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	188369	20.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	18836	11.93	ng/ul	0.00
58) Fluorene-d10	15.31	176	136714	20.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	14679	11.30	ng/ul	0.00
71) Anthracene-d10	17.17	188	214812	20.94	ng/ul	0.00
79) Pyrene-d10	19.47	212	248684	23.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.38	264	218182	21.85	ng/ul	0.01

Target Compounds

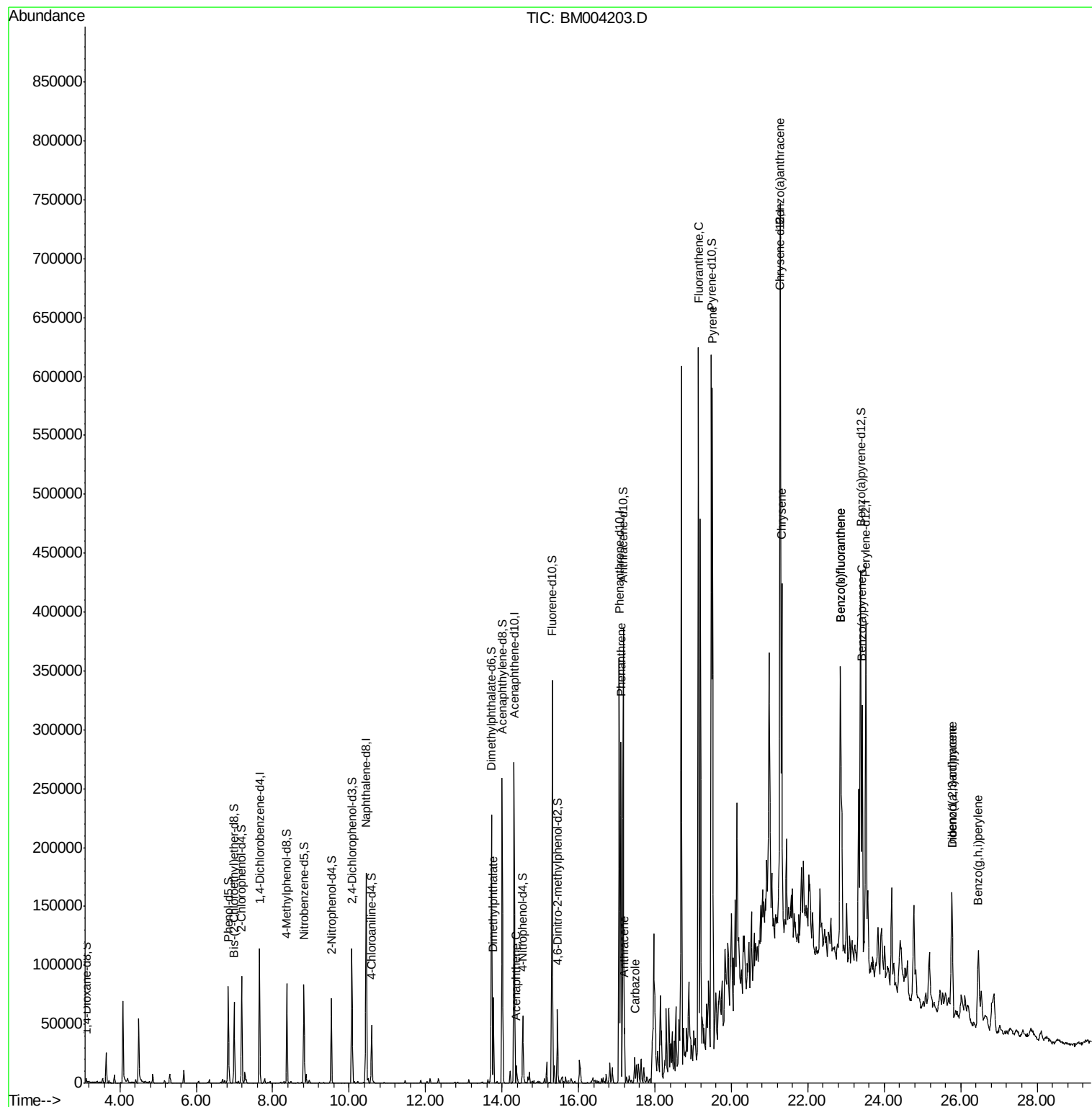
						Qvalue
45) Dimethylphthalate	13.77	163	50489	6.07	ng/ul	100
50) Acenaphthene	14.38	153	7107	1.03	ng/ul	96
70) Phenanthrene	17.11	178	168693	13.11	ng/ul	99
72) Anthracene	17.20	178	34229	2.62	ng/ul	99
75) Carbazole	17.47	167	14837	1.25	ng/ul	98
77) Fluoranthene	19.14	202	336894	22.49	ng/ul	100
80) Pyrene	19.50	202	328730	22.92	ng/ul	99
83) Benzo(a)anthracene	21.27	228	167950	11.31	ng/ul	99
85) Chrysene	21.32	228	170540	12.08	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	214103	17.52	ng/ul	97
89) Benzo(k)fluoranthene	22.85	252	57621	5.06	ng/ul	96
91) Benzo(a)pyrene	23.42	252	141911	12.02	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	88670	6.29	ng/ul#	93
93) Dibenzo(a,h)anthracene	25.77	278	22928	1.95	ng/ul#	84
94) Benzo(g,h,i)perylene	26.46	276	76093	6.33	ng/ul	99

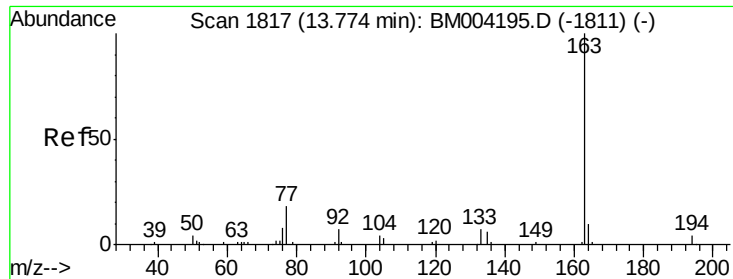
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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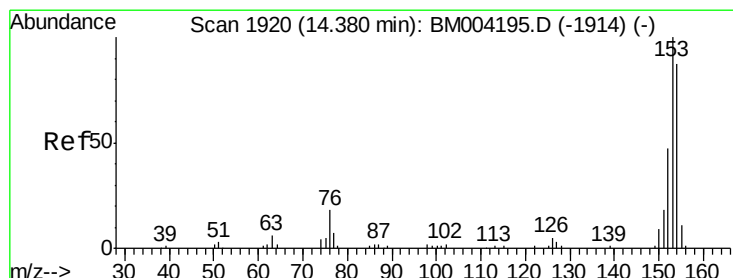
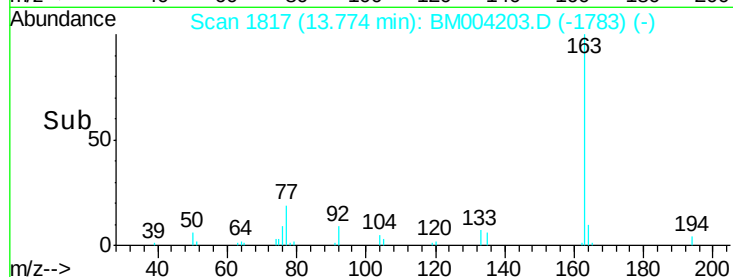
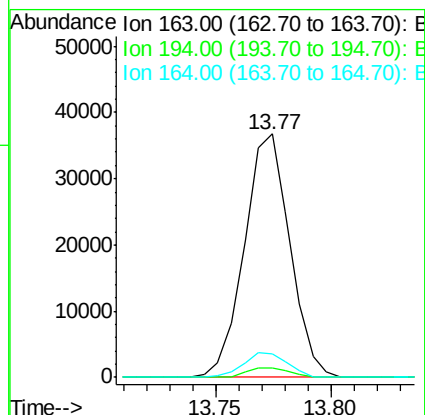
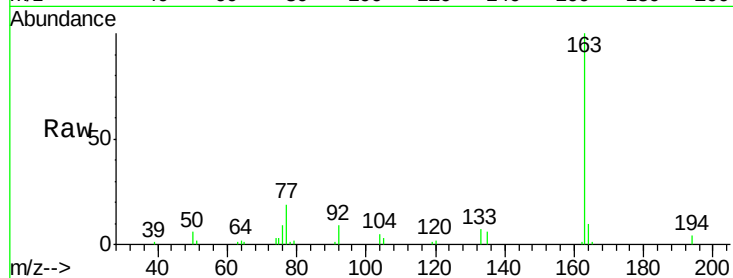




#45
Dimethylphthalate
Concen: 6.07 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BM004203.D
Acq: 08 Feb 2016 16:59

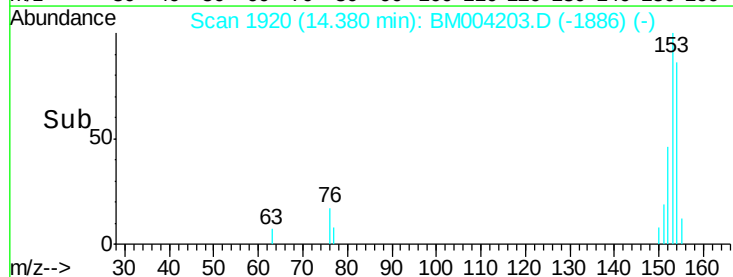
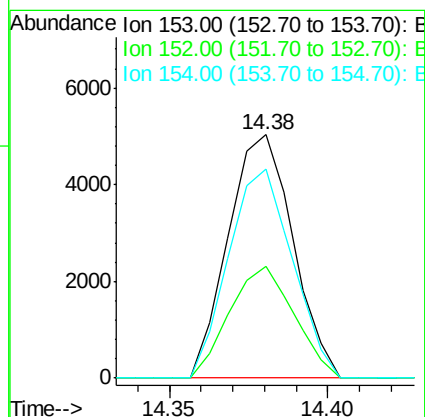
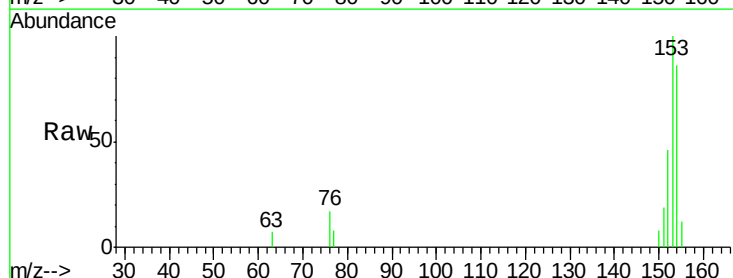
Instrument :
BNA_M
ClientSampleId :
C04J7

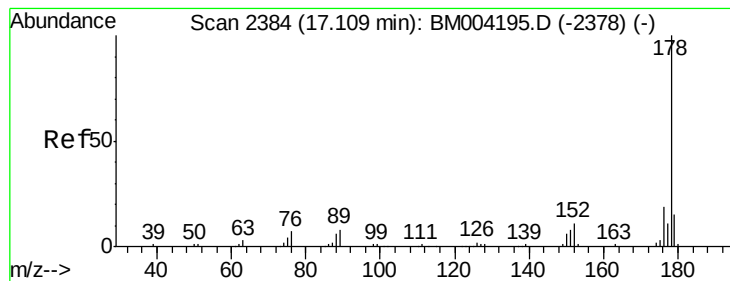
Tgt Ion:163 Resp: 50489
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.6 7.8 11.8



#50
Acenaphthene
Concen: 1.03 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM004203.D
Acq: 08 Feb 2016 16:59

Tgt Ion:153 Resp: 7107
Ion Ratio Lower Upper
153 100
152 46.1 38.3 57.5
154 85.8 71.8 107.8





#70

Phenanthrene

Concen: 13.11 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

Instrument :

BNA_M

ClientSampleId :

C04J7

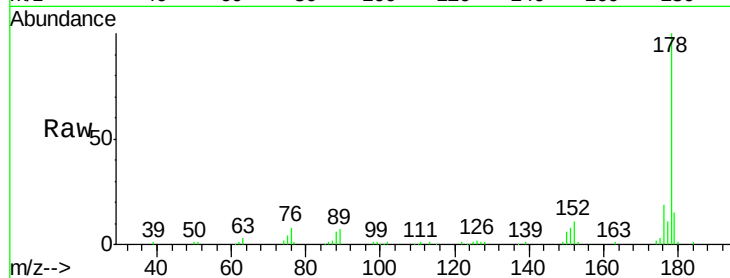
Tgt Ion:178 Resp: 168693

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

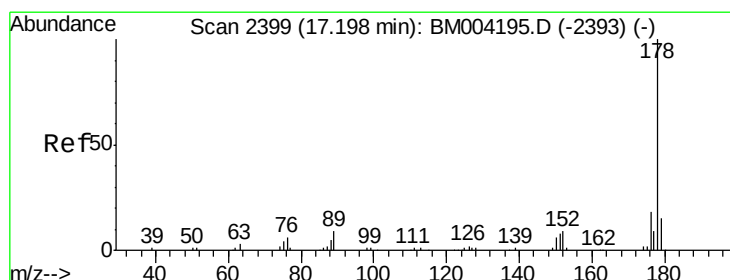
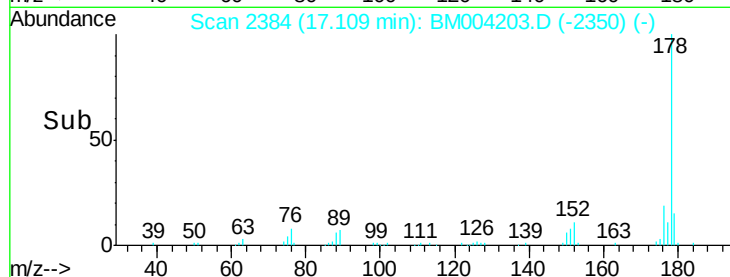
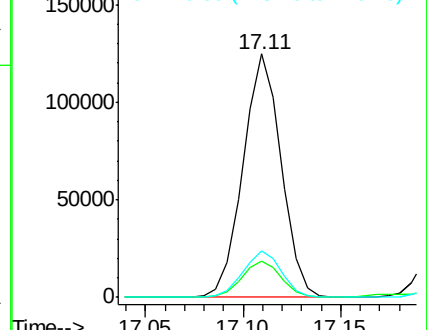
176 19.3 15.6 23.4



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: 2.62 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

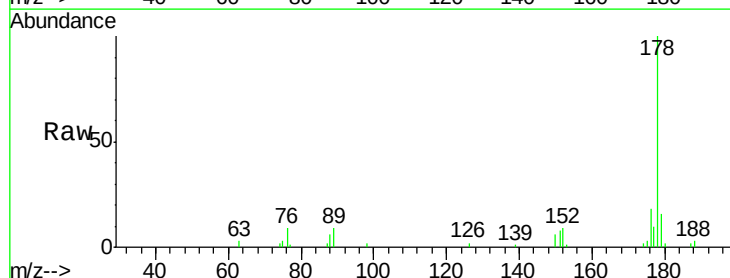
Tgt Ion:178 Resp: 34229

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

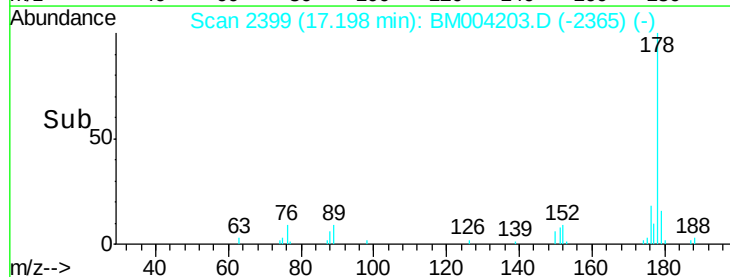
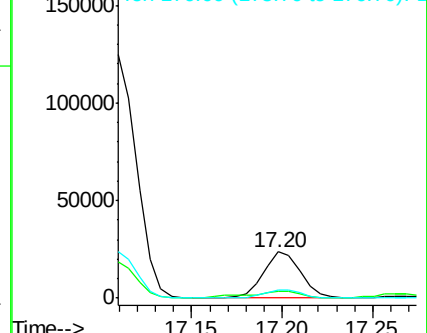
176 18.4 14.8 22.2

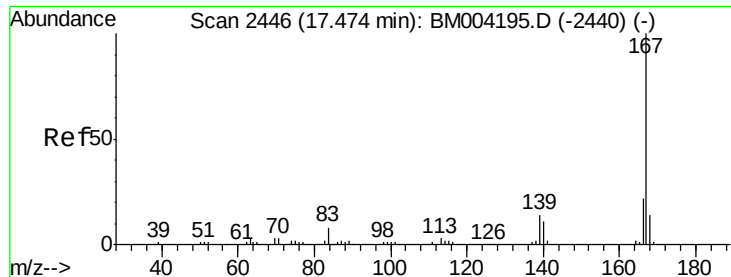


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.25 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

Instrument :

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ClientSampleId :

C04J7

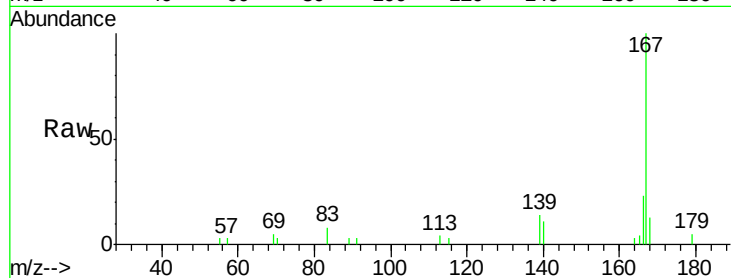
Tgt Ion:167 Resp: 14837

Ion Ratio Lower Upper

167 100

166 22.5 17.0 25.6

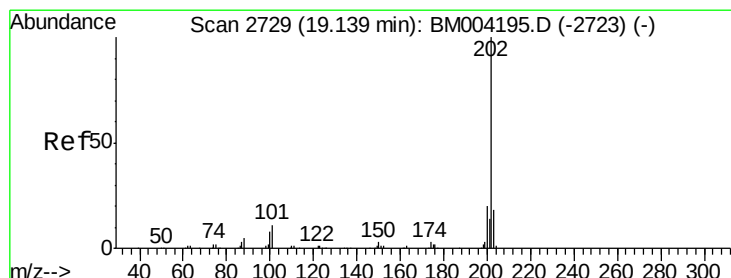
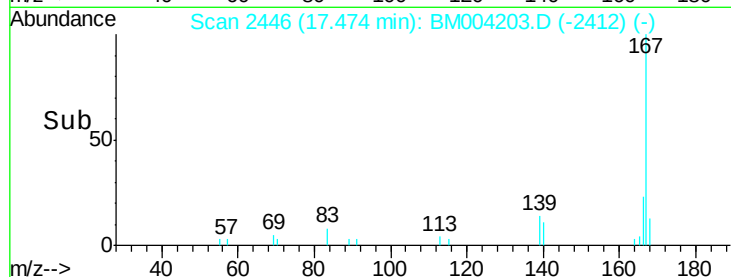
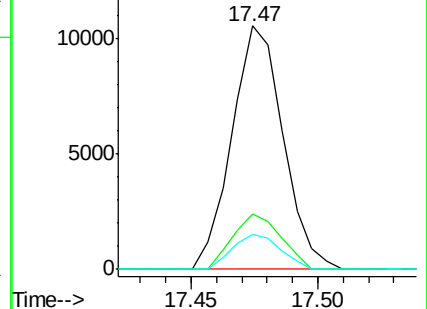
139 14.1 11.0 16.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 22.49 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

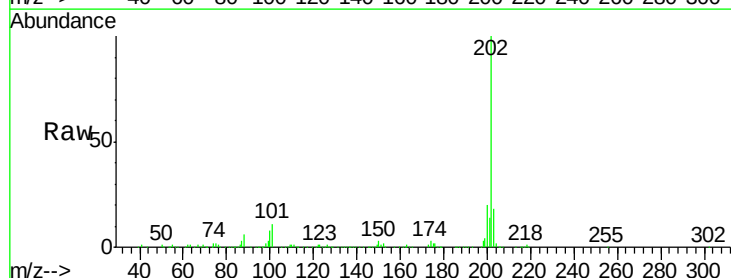
Tgt Ion:202 Resp: 336894

Ion Ratio Lower Upper

202 100

101 11.1 8.8 13.2

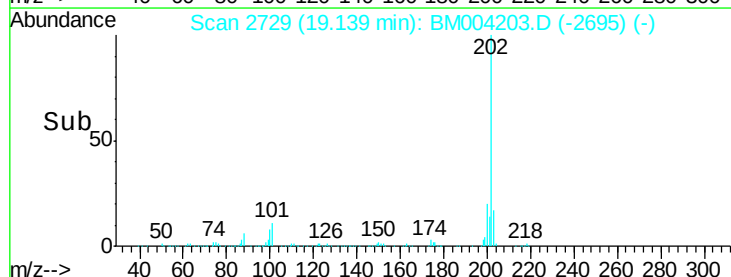
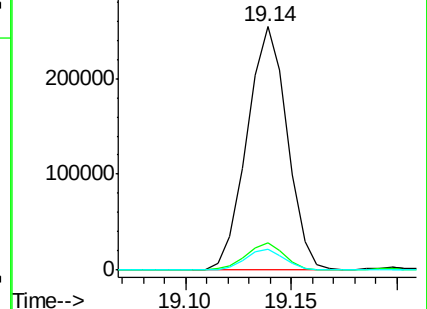
100 8.4 6.6 9.8

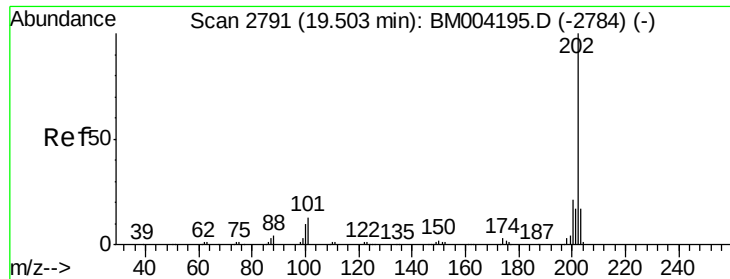


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

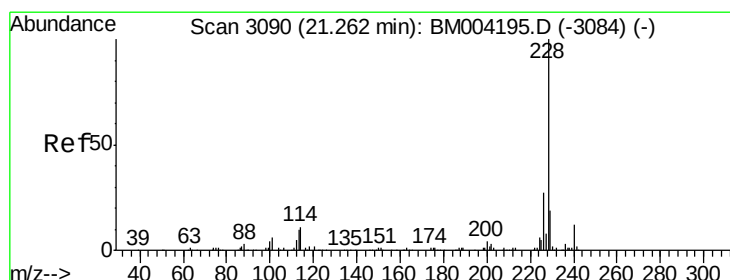
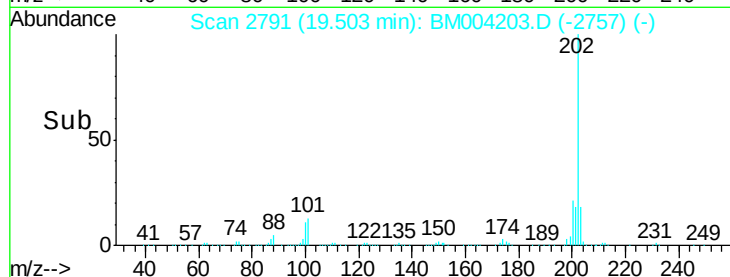
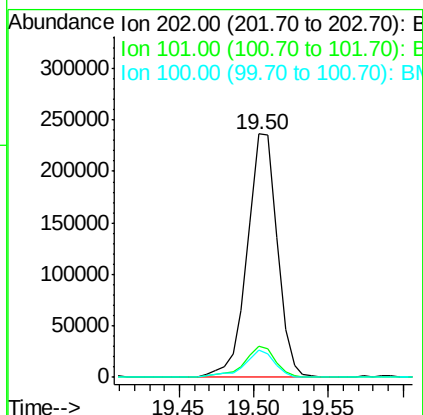
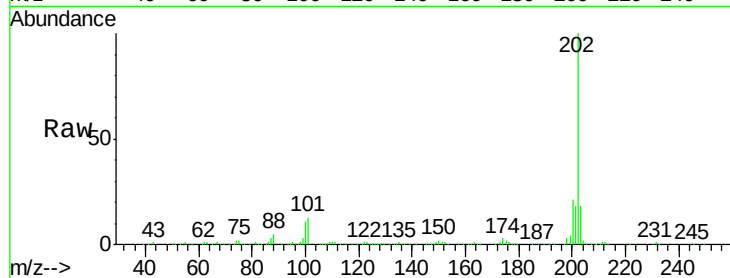




#80
 Pyrene
 Concen: 22.92 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004203.D
 Acq: 08 Feb 2016 16:59

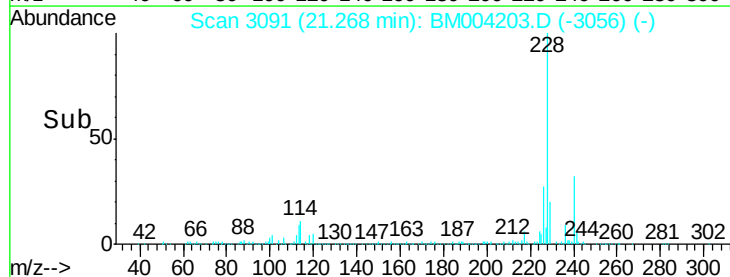
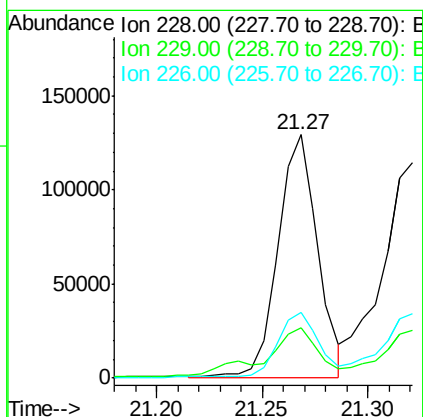
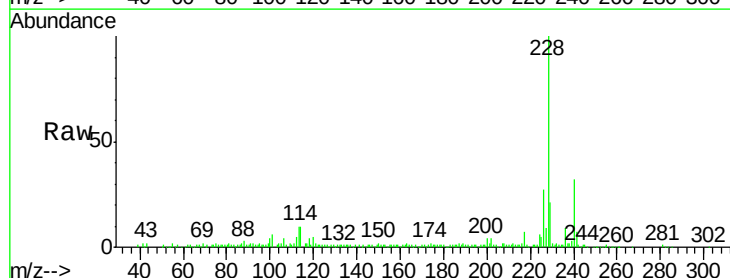
Instrument :
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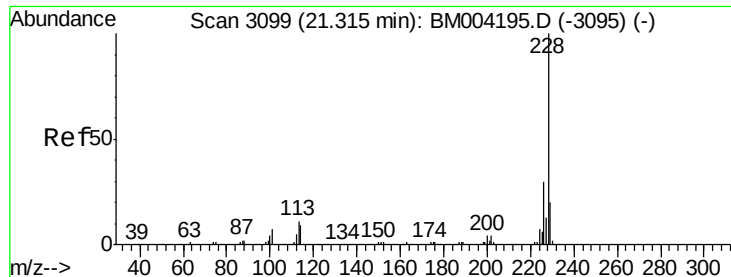
Tgt Ion:202 Resp: 328730
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.2 15.2
 100 11.2 8.5 12.7



#83
 Benzo(a)anthracene
 Concen: 11.31 ng/ul
 RT: 21.27 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BM004203.D
 Acq: 08 Feb 2016 16:59

Tgt Ion:228 Resp: 167950
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.7 23.5
 226 27.0 21.8 32.6

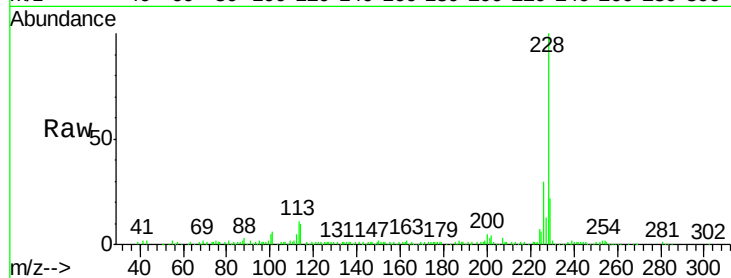




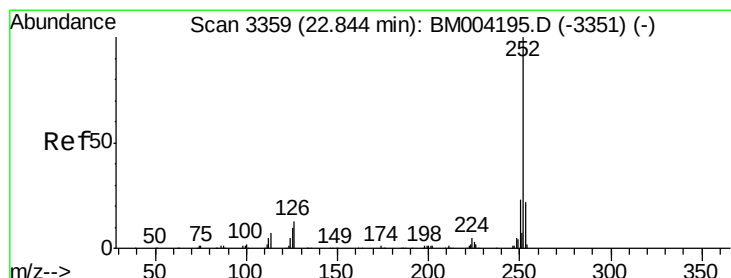
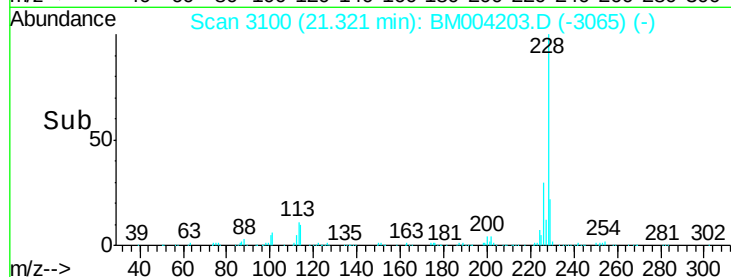
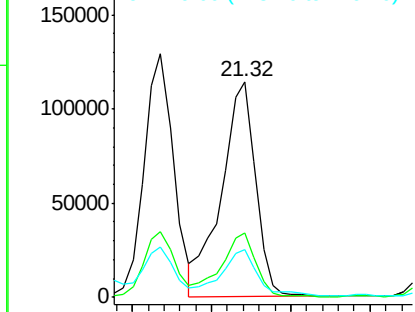
#85
Chrysene
Concen: 12.08 ng/ul
RT: 21.32 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BM004203.D
Acq: 08 Feb 2016 16:59

Instrument :
BNA_M
ClientSampleId :
C04J7

Tgt Ion:228 Resp: 170540
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.3 15.6 23.4

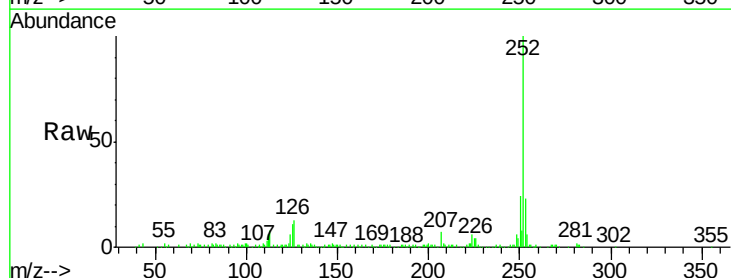


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

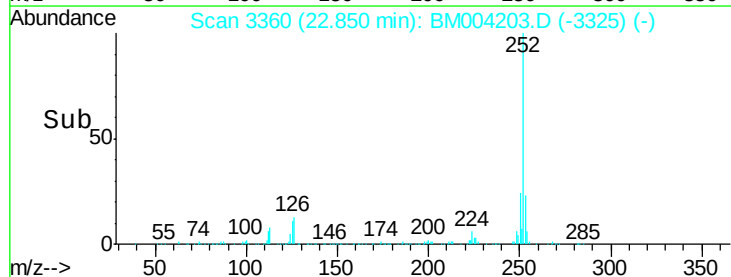
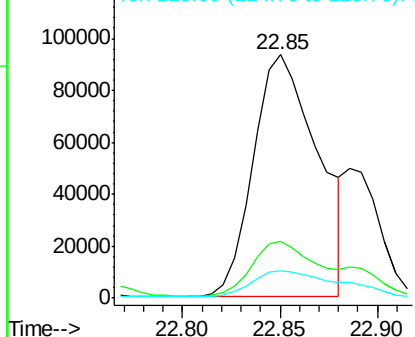


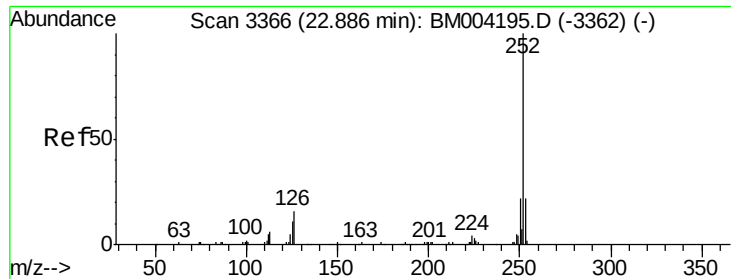
#88
Benzo(b)fluoranthene
Concen: 17.52 ng/ul
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM004203.D
Acq: 08 Feb 2016 16:59

Tgt Ion:252 Resp: 214103
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.5 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: 5.06 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

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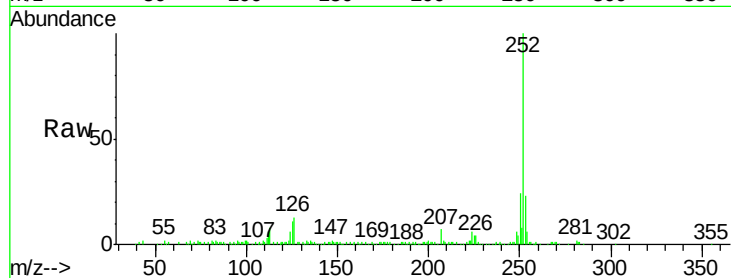
Tgt Ion:252 Resp: 57621

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

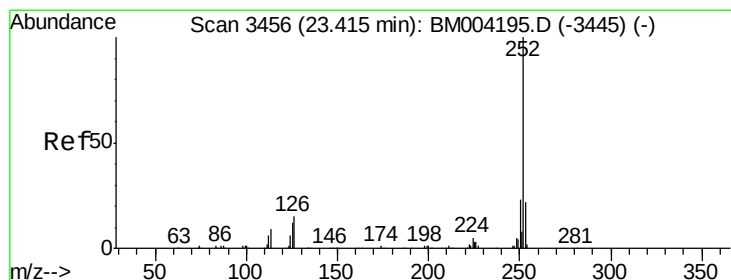
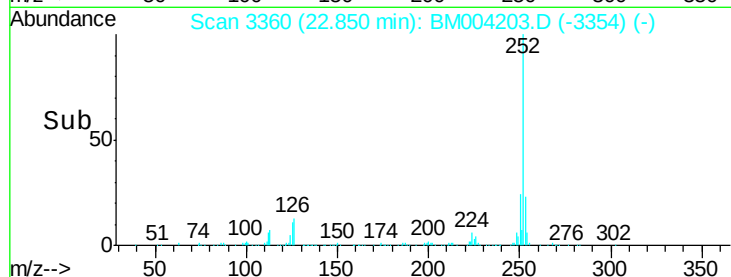
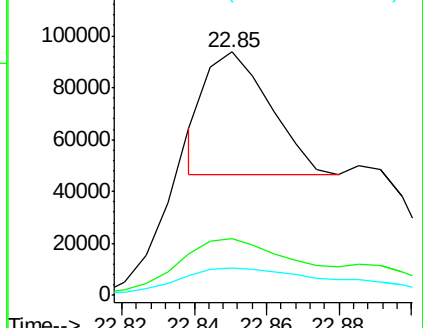
125 11.5 8.2 12.2



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: 12.02 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

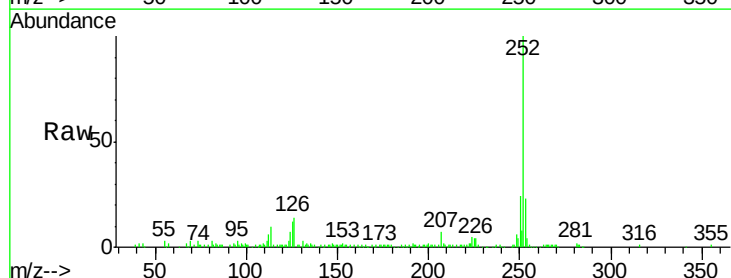
Tgt Ion:252 Resp: 141911

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

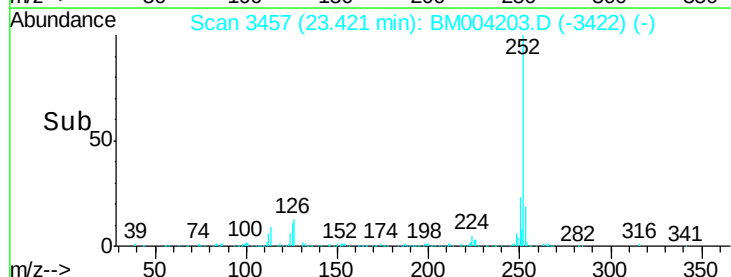
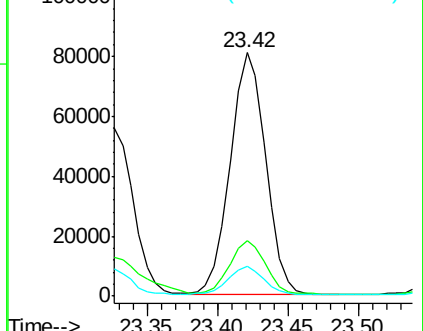
125 12.1 9.0 13.6

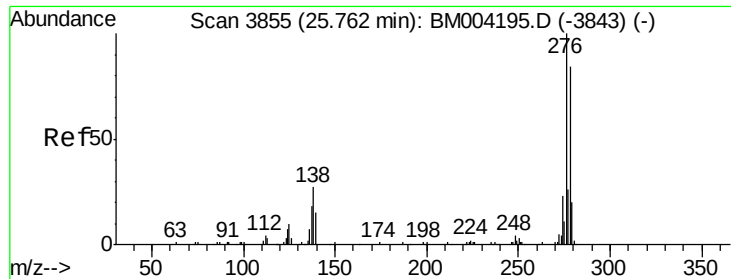


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.29 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.01 min

Lab File: BM004203.D

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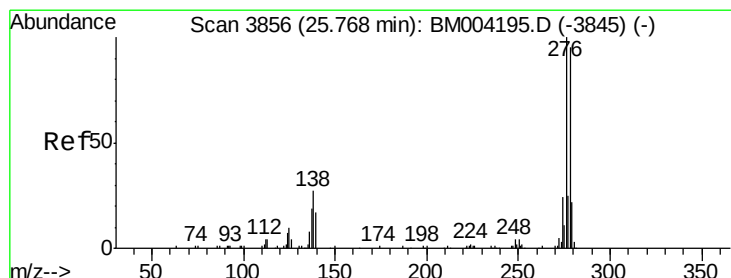
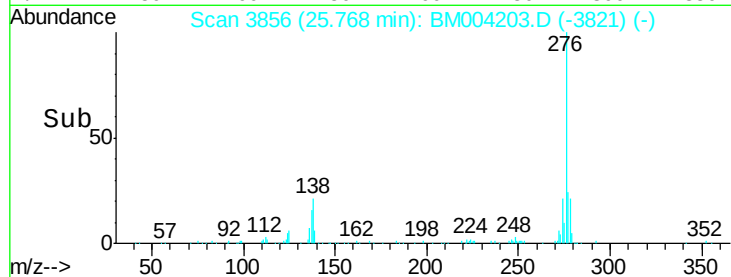
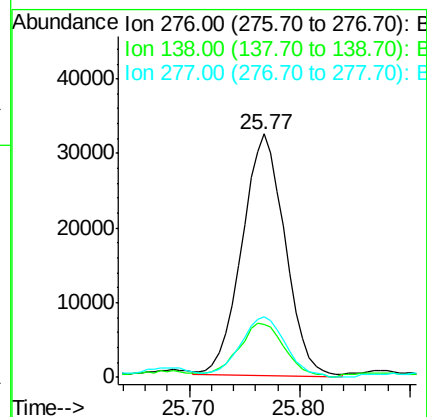
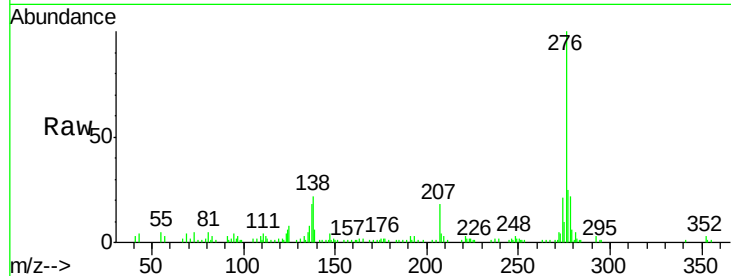
Tgt Ion:276 Resp: 88670

Ion Ratio Lower Upper

276 100

138 21.5 22.3 33.5#

277 24.9 20.2 30.2



#93

Dibenzo(a,h)anthracene

Concen: 1.95 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

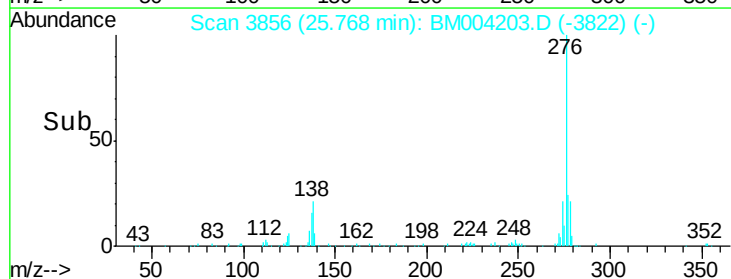
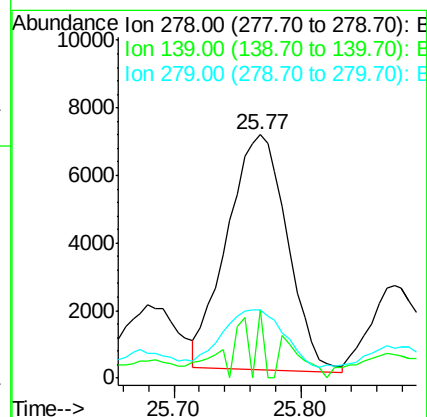
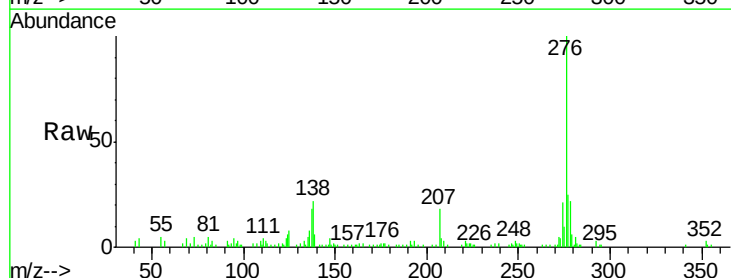
Tgt Ion:278 Resp: 22928

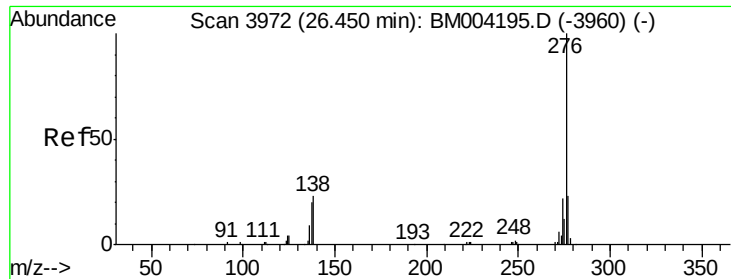
Ion Ratio Lower Upper

278 100

139 28.3 13.9 20.9#

279 27.9 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 6.33 ng/ul

RT: 26.46 min Scan# 3974

Delta R.T. 0.01 min

Lab File: BM004203.D

Acq: 08 Feb 2016 16:59

Instrument :

BNA_M

ClientSampleId :

C04J7

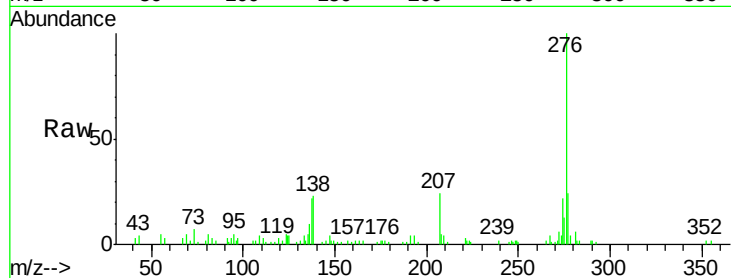
Tgt Ion: 276 Resp: 76093

Ion Ratio Lower Upper

276 100

138 22.9 18.9 28.3

277 24.3 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

