

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
 Data File : BM014338.D
 Acq On : 23 Feb 2018 19:32
 Operator : SJ/JU
 Sample : J1631-21 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 23 23:19:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 23 23:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	77070	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	340165	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	218010	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	494305	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	520500	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	479404	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	1409	0.78	ng/uL	0.00
5) Phenol-d5	6.75	99	12547	1.93	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.89	67	8314	2.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	2166	0.43	ng/ul	0.04
13) 4-Methylphenol-d8	8.27	113	10473	1.84	ng/ul	0.03
19) Nitrobenzene-d5	8.70	128	2505	1.00	ng/ul	0.02
22) 2-Nitrophenol-d4	9.42	143	5919	2.27	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.98	165	3937	0.73	ng/ul	0.05
29) 4-Chloroaniline-d4	10.49	131	3699	0.70	ng/ul	0.04
43) Dimethylphthalate-d6	13.62	166	55582	3.09	ng/ul	0.01
46) Acenaphthylene-d8	13.87	160	70950	3.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	301	0.12	ng/ul	0.11
57) Fluorene-d10	15.20	176	53614	3.32	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.37	200	3019	1.02	ng/ul	0.04
70) Anthracene-d10	17.04	188	77743	3.26	ng/ul	0.00
76) Pyrene-d10	19.35	212	90547	3.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	78915	3.38	ng/ul	0.00

Target Compounds

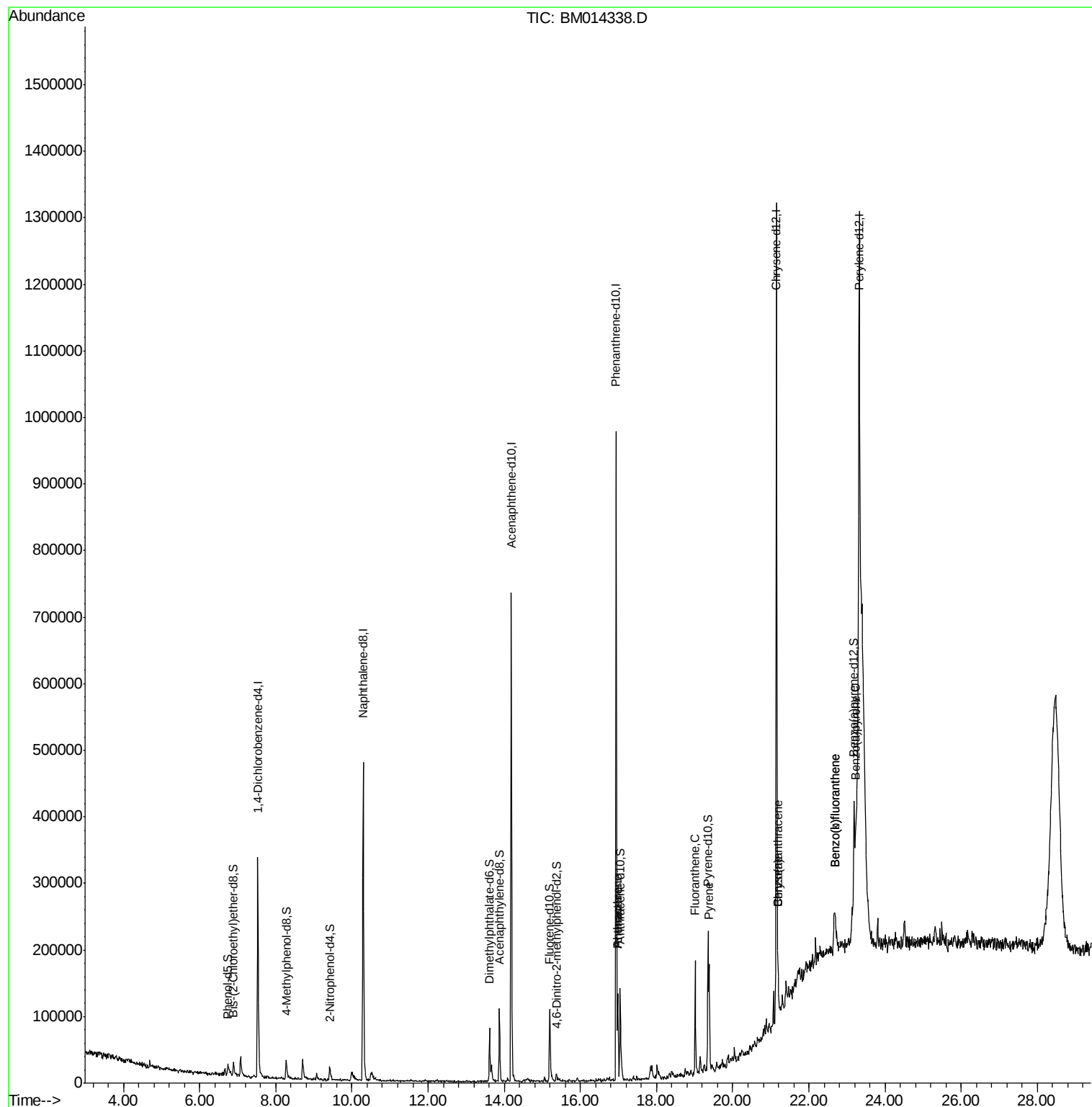
					Ovalue
69) Phenanthrene	16.99	178	66343	2.329 ng/ul	97
71) Anthracene	16.99	178	66343	2.316 ng/ul	98
74) Fluoranthene	19.02	202	97441	2.864 ng/ul	98
77) Pyrene	19.38	202	95640	2.765 ng/ul#	97
80) Benzo(a)anthracene	21.19	228	43770	1.347 ng/ul	97
82) Chrysene	21.19	228	43770	1.444 ng/ul	94
85) Benzo(b)fluoranthene	22.68	252	48990	1.526 ng/ul#	96
86) Benzo(k)fluoranthene	22.68	252	48990	1.605 ng/ul#	94
88) Benzo(a)pyrene	23.23	252	31628	1.103 ng/ul#	93

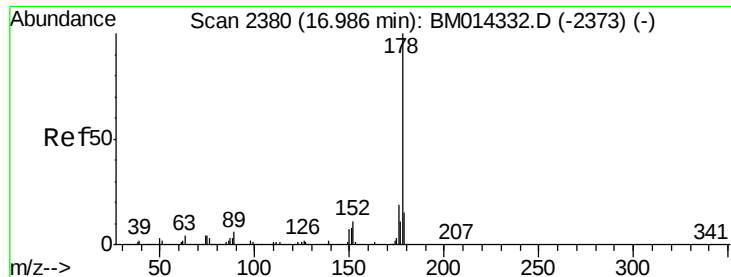
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#69

Phenanthrene

Concen: 2.329 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

Instrument :

BNA_M

ClientSampled :

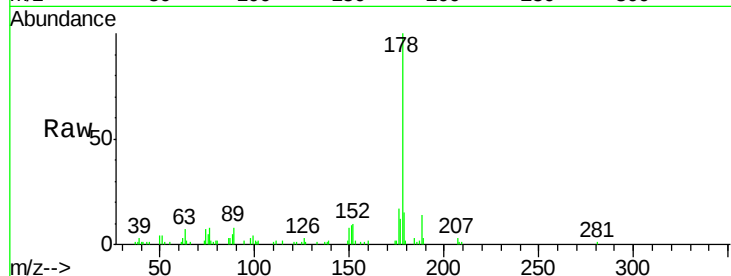
Tot Ion:178 Resp: 66343

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

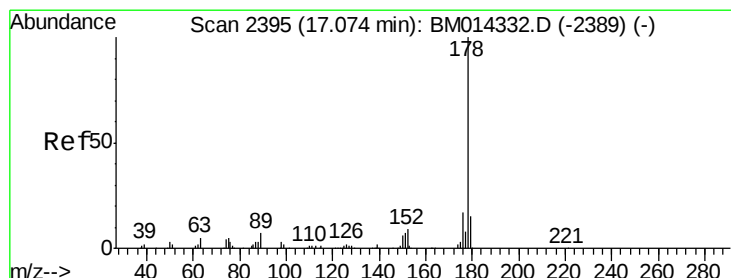
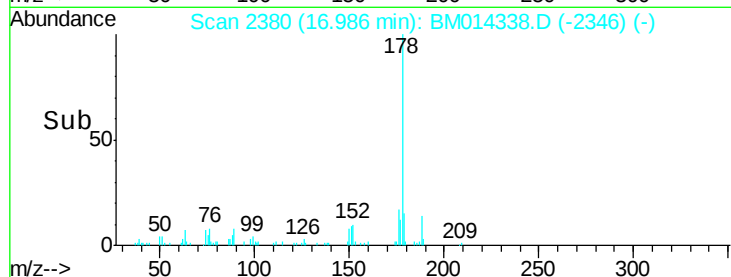
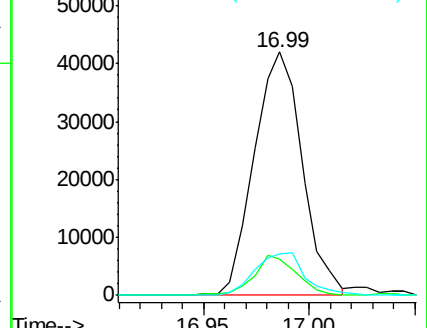
176 17.0 14.9 22.3



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



#71

Anthracene

Concen: 2.316 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.09 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

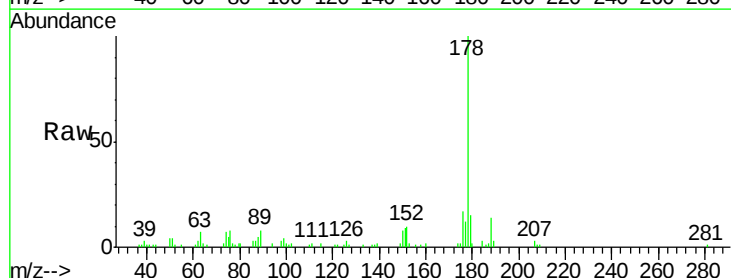
Tgt Ion:178 Resp: 66343

Ion Ratio Lower Upper

178 100

179 15.0 11.7 17.5

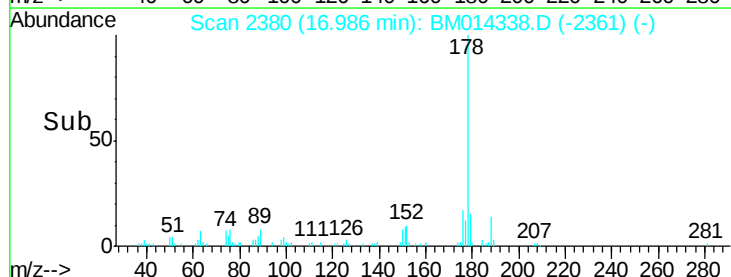
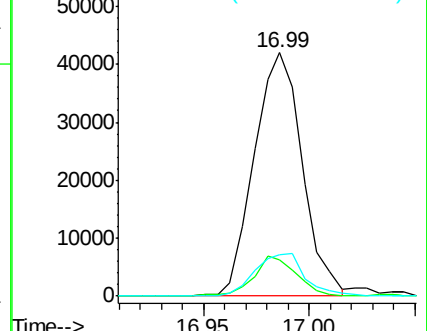
176 17.0 14.6 21.8

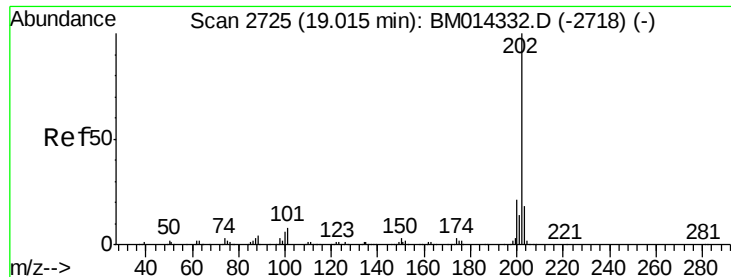


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

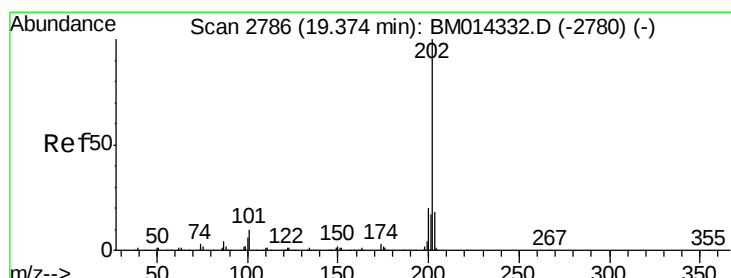
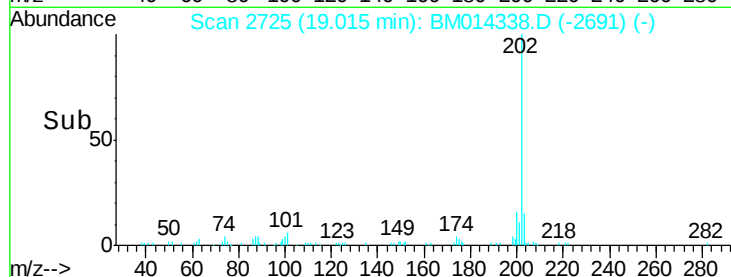
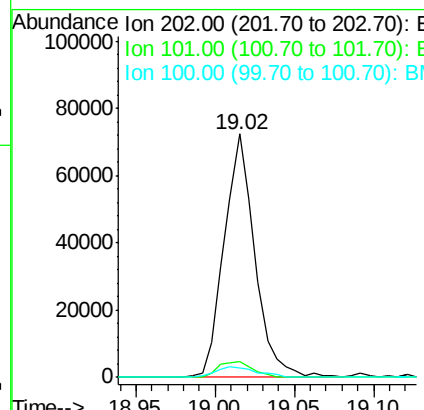
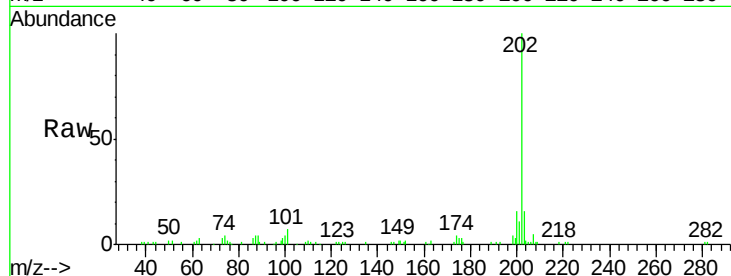




#74
 Fluoranthene
 Concen: 2.864 ng/ul
 RT: 19.02 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: BM014338.D
 Acq: 23 Feb 2018 19:32

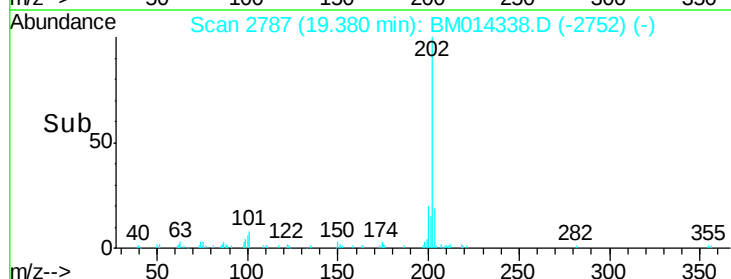
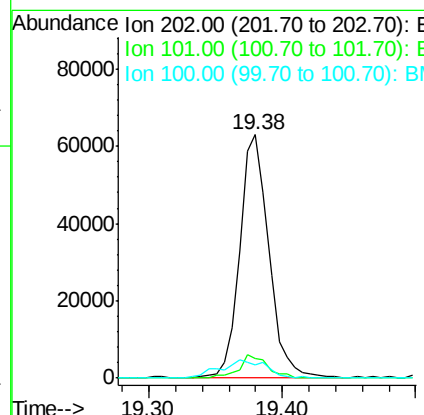
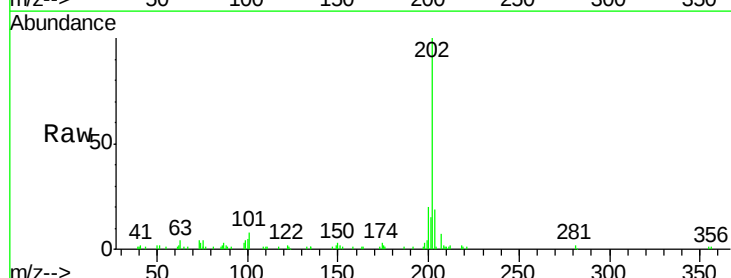
Instrument :
 BNA_M
 ClientSampleId :

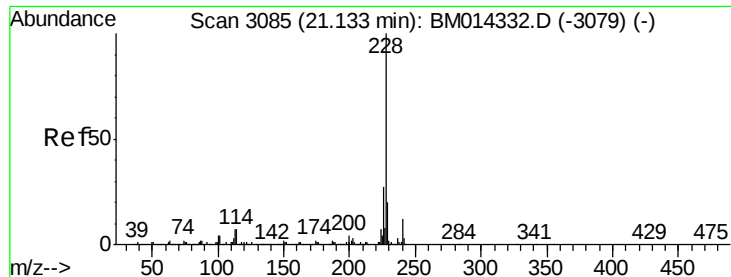
Tot Ion	Ion	Ratio	Lower	Upper
202	100			
101	6.5	4.6	7.0	
100	3.9	3.4	5.2	



#77
 Pyrene
 Concen: 2.765 ng/ul
 RT: 19.38 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BM014338.D
 Acq: 23 Feb 2018 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	8.0	5.1	7.7#	
100	5.4	4.9	7.3	





#80

Benzo(a)anthracene

Concen: 1.347 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.06 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

Instrument :

BNA_M

ClientSampleId :

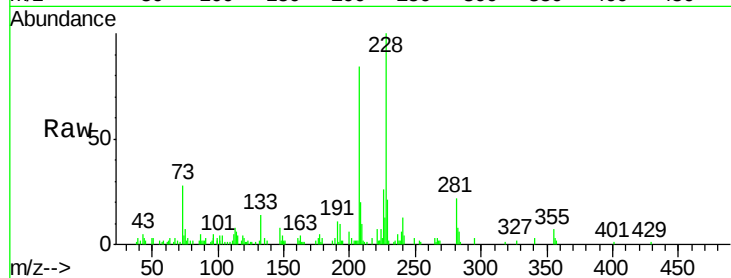
Tot Ion:228 Resp: 43770

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

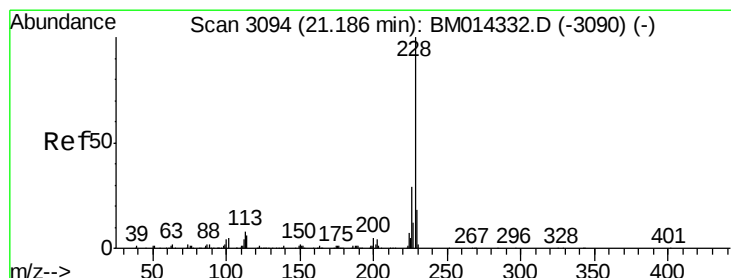
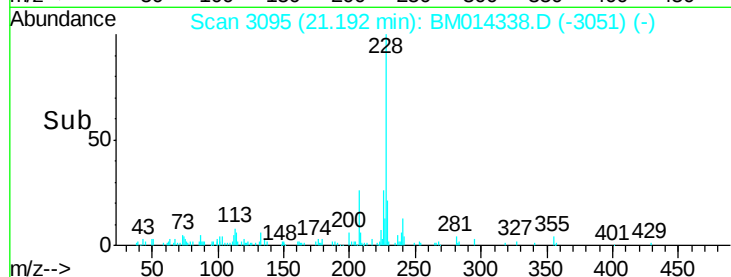
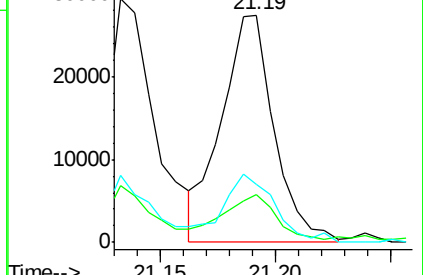
226 25.6 21.4 32.0



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



#82

Chrysene

Concen: 1.444 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

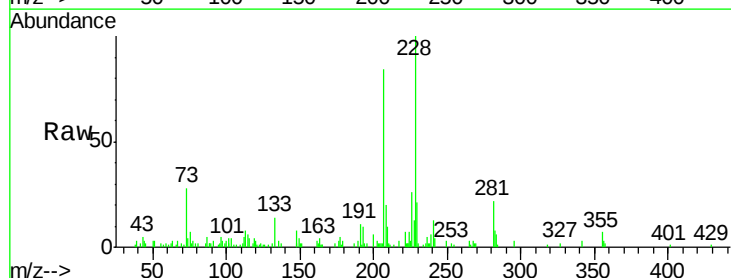
Tgt Ion:228 Resp: 43770

Ion Ratio Lower Upper

228 100

226 25.6 23.4 35.2

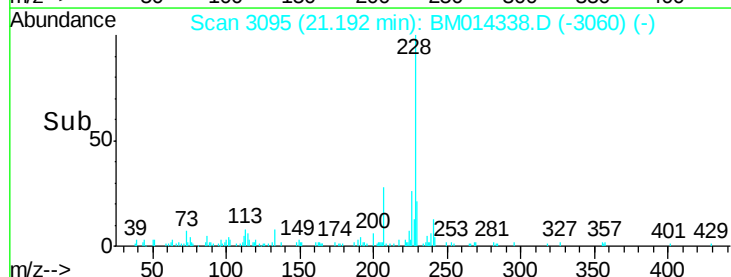
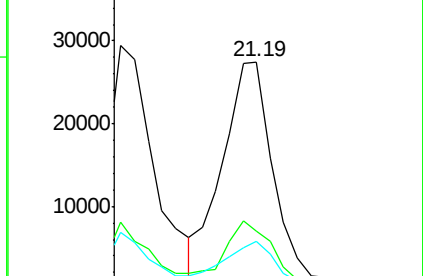
229 21.0 15.5 23.3

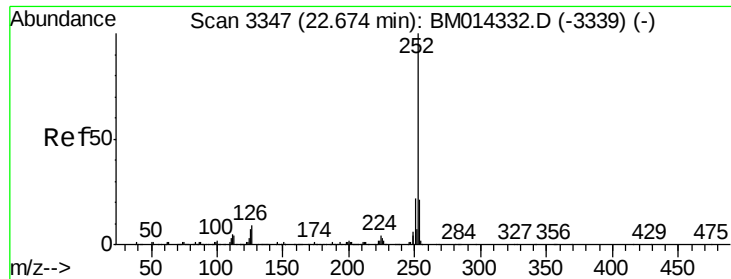


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.526 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. 0.01 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

Instrument :

BNA_M

ClientSampleId :

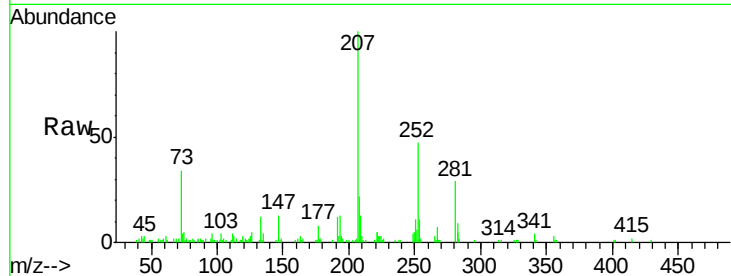
Tot Ion:252 Resp: 48990

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 11.1 3.6 5.4#



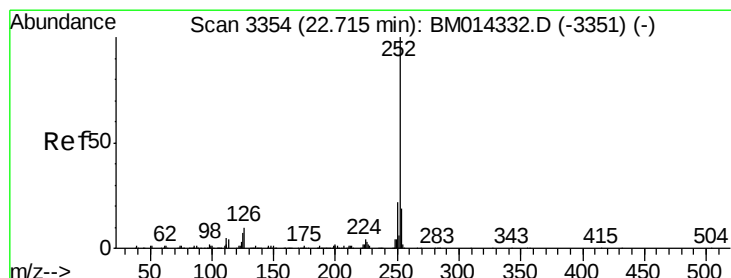
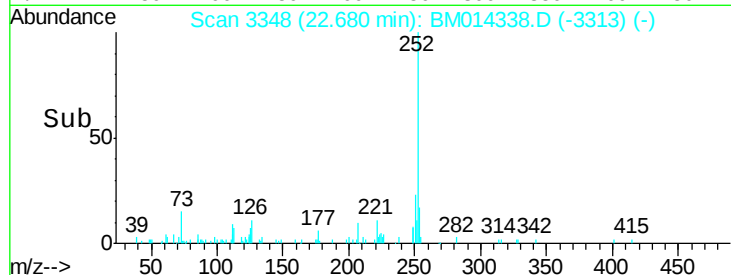
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.68

Time-->



#86

Benzo(k)fluoranthene

Concen: 1.605 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. -0.04 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

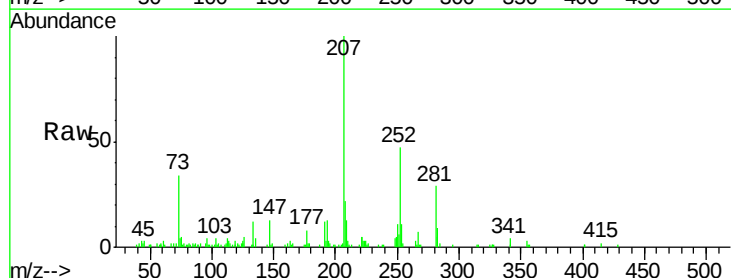
Tgt Ion:252 Resp: 48990

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 11.1 3.4 5.2#



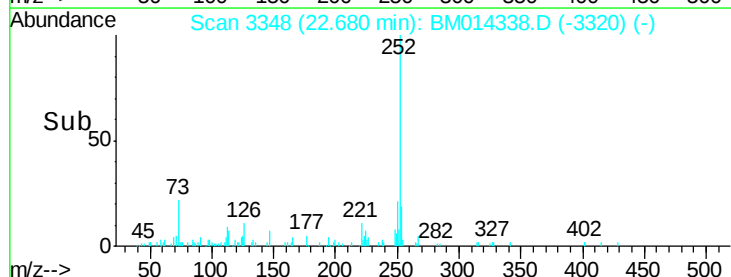
Abundance Ion 252.00 (251.70 to 252.70): E

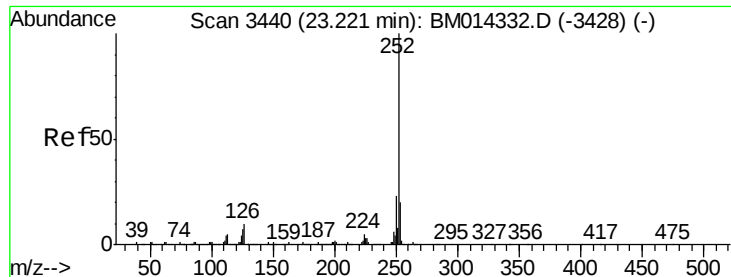
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.68

Time-->





#88

Benzo(a)pyrene

Concen: 1.103 ng/ul

RT: 23.23 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BM014338.D

Acq: 23 Feb 2018 19:32

Instrument :

BNA_M

ClientSampleId :

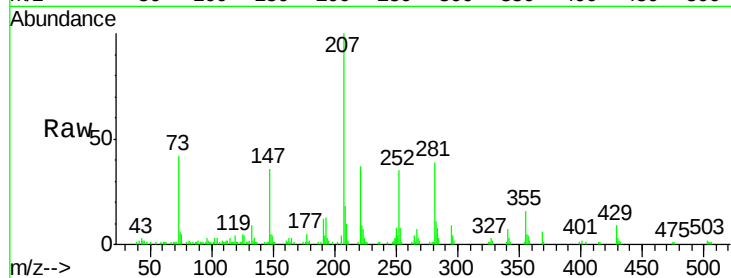
Tot Ion: 252 Resp: 31628

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 13.0 4.0 6.0#



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

