

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014423.D
 Acq On : 01 Mar 2018 04:33
 Operator : SJ/JU
 Sample : J1646-21 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z9

Quant Time: Mar 01 07:05:16 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	141473	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	655484	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	409844	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	909909	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	937020	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	731908	20.00	ng/ul	0.00

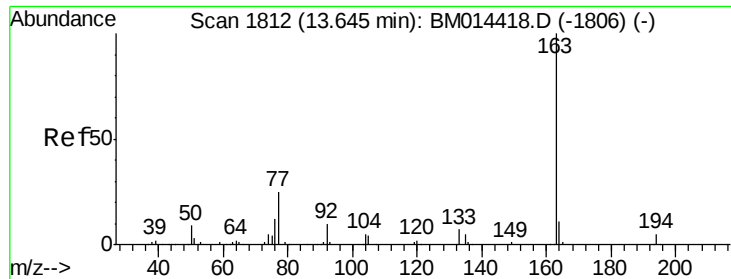
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1953	0.59	ng/uL	0.00
5) Phenol-d5	6.72	99	53789	4.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	30773	4.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	45539	4.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	38303	3.66	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	24687	5.10	ng/ul	0.01
22) 2-Nitrophenol-d4	9.39	143	25899	5.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	27185	2.62	ng/ul	0.02
29) 4-Chloroaniline-d4	10.51	131	5801	0.57	ng/ul	0.06
43) Dimethylphthalate-d6	13.60	166	179090	5.29	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	220273	5.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	9704	2.08	ng/ul	0.05
57) Fluorene-d10	15.18	176	158969	5.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	4802	0.88	ng/ul	0.01
70) Anthracene-d10	17.03	188	252395	5.75	ng/ul	0.00
76) Pyrene-d10	19.34	212	287118	5.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	199581	5.60	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.64	163	41100	1.231	ng/ul#	97
60) 4-Nitroaniline	15.29	138	33511	5.560	ng/ul	85
69) Phenanthrene	16.97	178	214740	4.096	ng/ul	99
71) Anthracene	16.97	178	214740	4.073	ng/ul	99
74) Fluoranthene	19.01	202	600038	9.580	ng/ul#	94
77) Pyrene	19.37	202	567276	9.110	ng/ul#	93
80) Benzo(a)anthracene	21.13	228	312806	5.349	ng/ul	99
82) Chrysene	21.19	228	269766	4.945	ng/ul	96
85) Benzo(b)fluoranthene	22.68	252	344927	7.038	ng/ul#	91
86) Benzo(k)fluoranthene	22.68	252	344927	7.403	ng/ul#	89
88) Benzo(a)pyrene	23.23	252	226712	5.177	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.49	276	157584	3.708	ng/ul#	98
90) Dibenzo(a,h)anthracene	25.48	278	39223	1.111	ng/ul#	80
91) Benzo(g,h,i)perylene	26.15	276	138140	4.013	ng/ul#	92

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



#44

Dimethylphthalate

Concen: 1.231 ng/ul

RT: 13.64 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014423.D

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Instrument :

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ClientSampleId :

BE5Z9

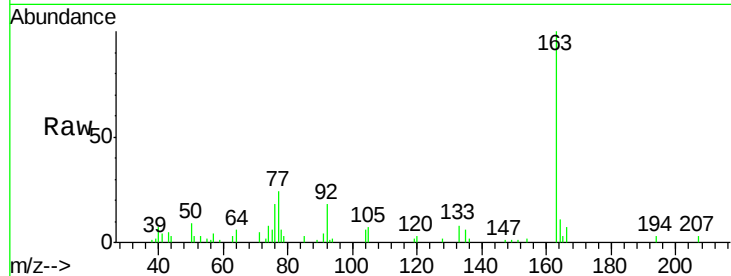
Tot Ion:163 Resp: 41100

Ion Ratio Lower Upper

163 100

194 2.7 3.5 5.3#

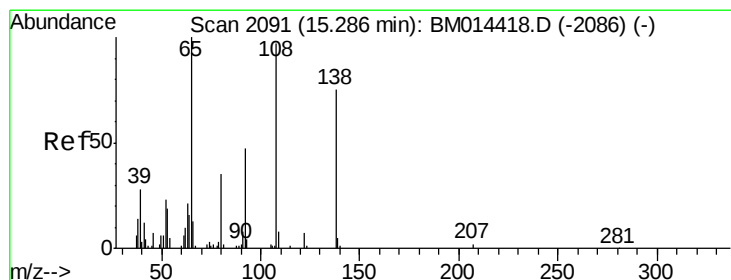
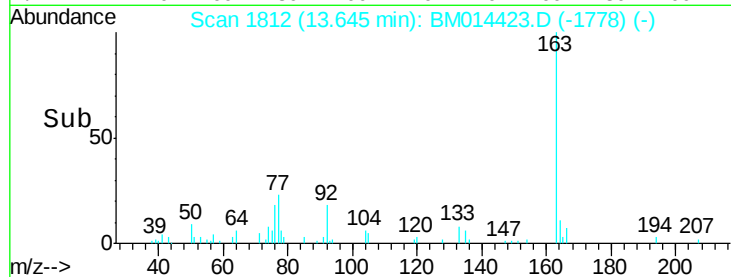
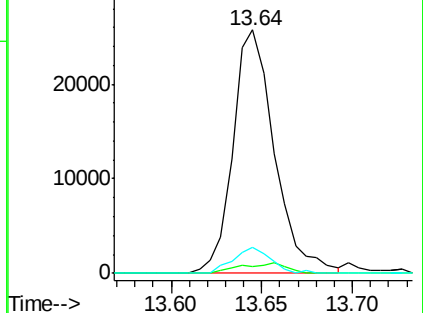
164 10.9 8.2 12.4



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



#60

4-Nitroaniline

Concen: 5.560 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

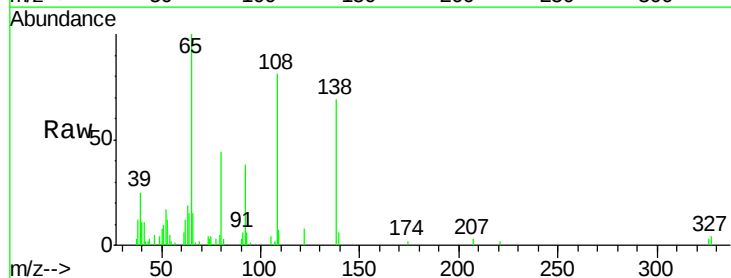
Tgt Ion:138 Resp: 33511

Ion Ratio Lower Upper

138 100

92 55.8 40.0 60.0

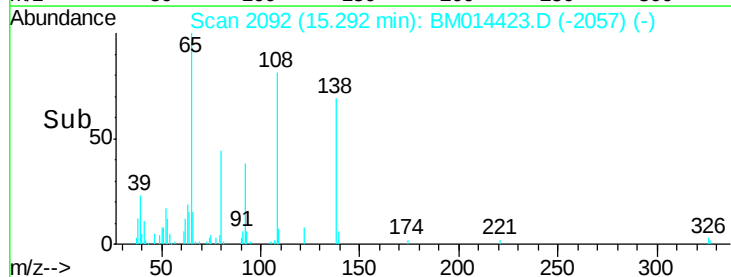
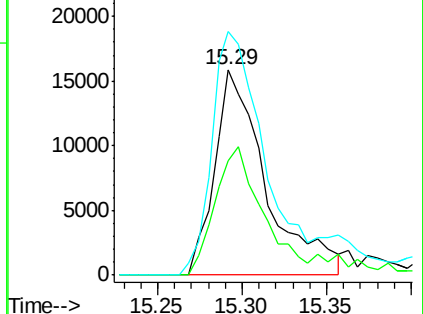
108 118.3 80.0 120.0

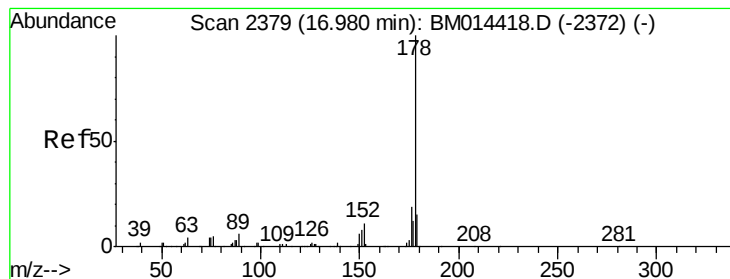


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 4.096 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. -0.01 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

Instrument :

BNA_M

ClientSampleId :

BE5Z9

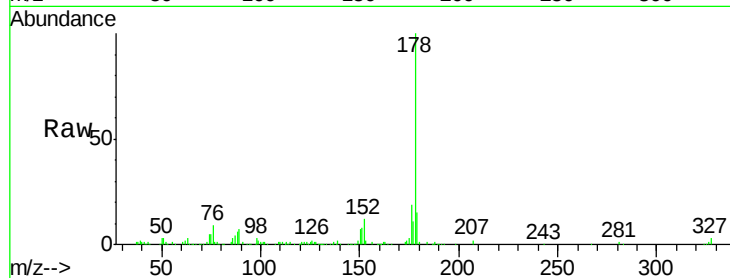
Tot Ion:178 Resp: 214740

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

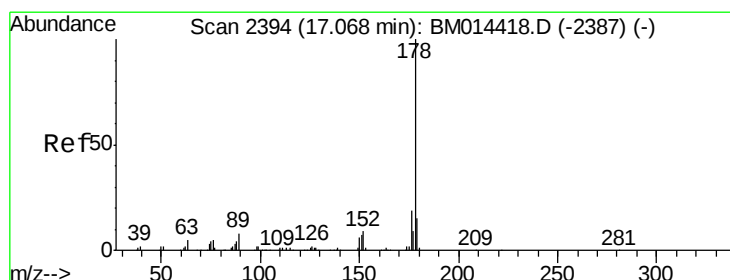
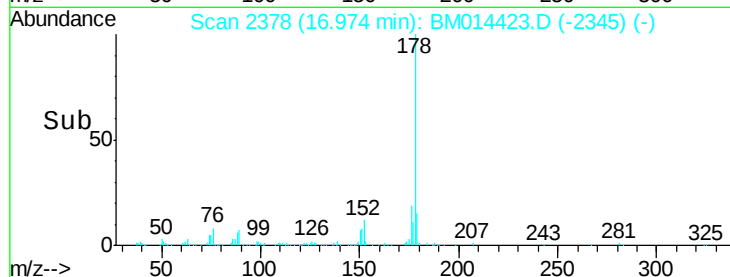
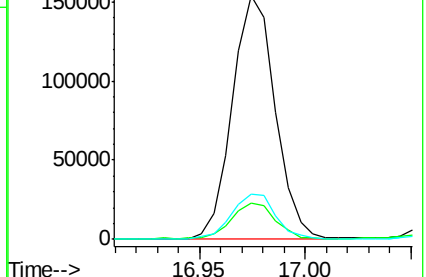
176 18.5 14.9 22.3



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: 4.073 ng/ul

RT: 16.97 min Scan# 2378

Delta R.T. -0.09 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

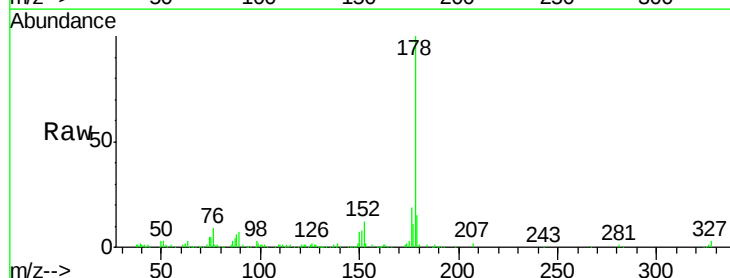
Tgt Ion:178 Resp: 214740

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

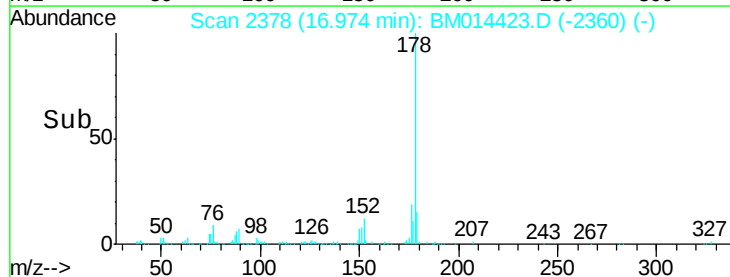
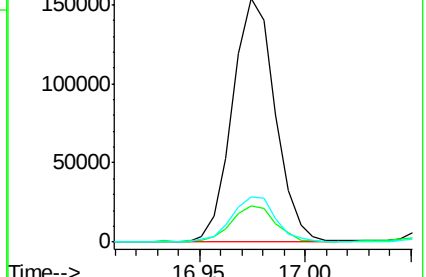
176 18.5 14.6 21.8

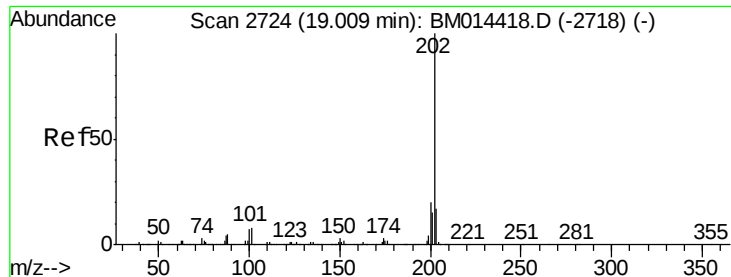


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 9.580 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

Instrument :

BNA_M

ClientSampleId :

BE5Z9

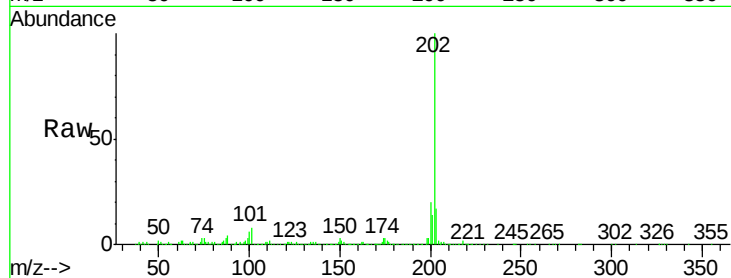
Tot Ion:202 Resp: 600038

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

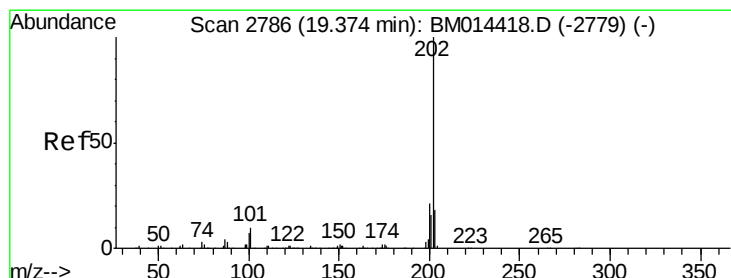
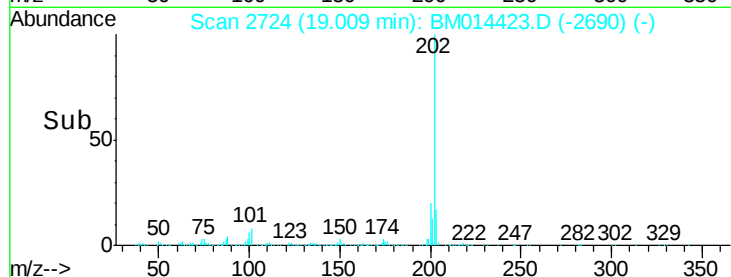
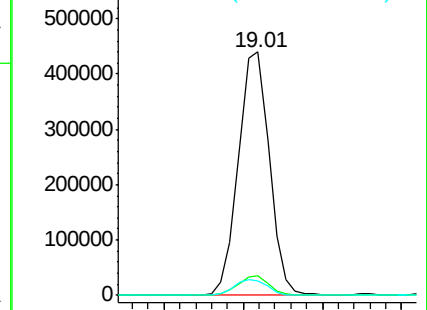
100 6.0 3.4 5.2#



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): B



#77

Pyrene

Concen: 9.110 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

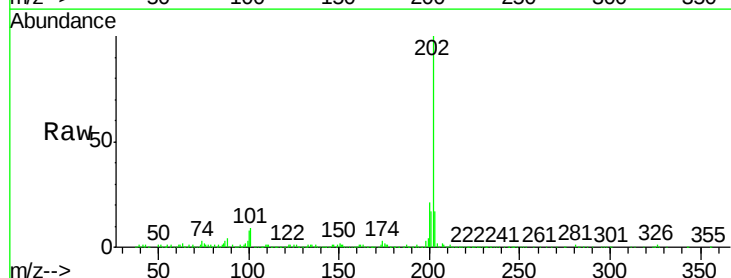
Tgt Ion:202 Resp: 567276

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

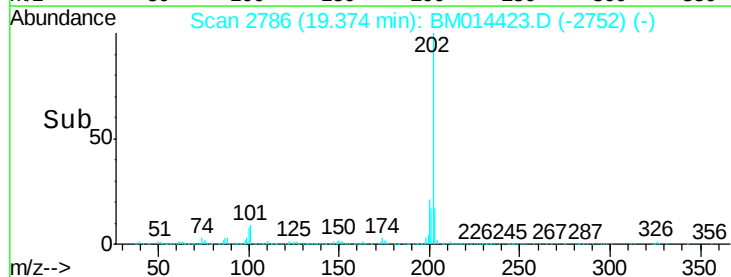
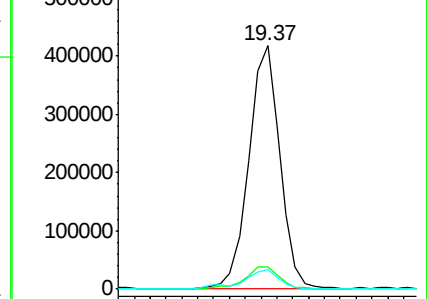
100 8.1 4.9 7.3#

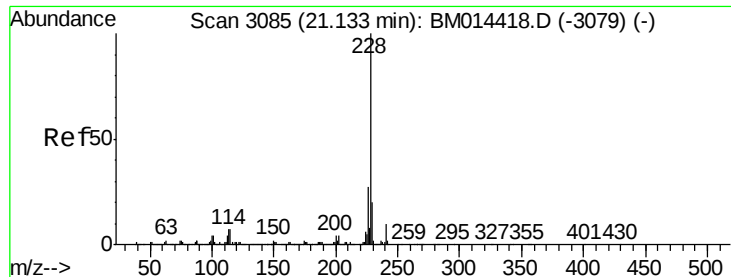


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.349 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

Instrument :

BNA_M

ClientSampleId :

BE5Z9

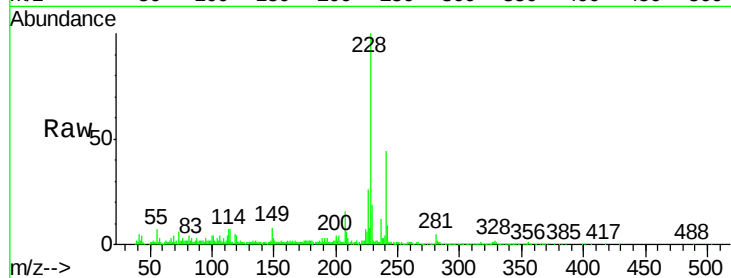
Tot Ion:228 Resp: 312806

Ion Ratio Lower Upper

228 100

229 18.6 15.4 23.0

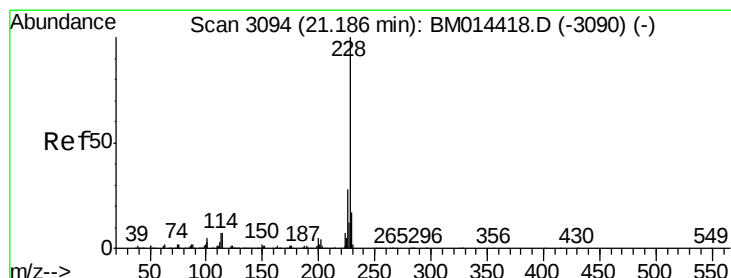
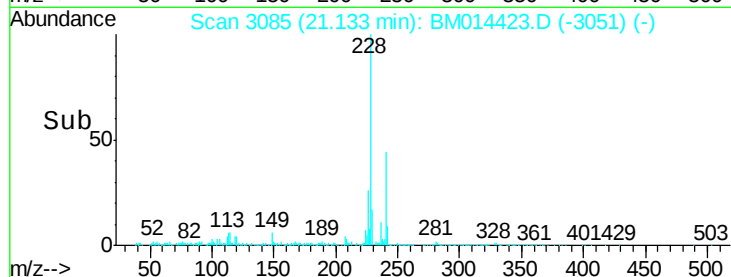
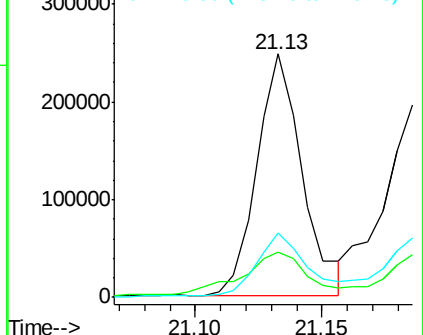
226 26.5 21.4 32.0



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: 4.945 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

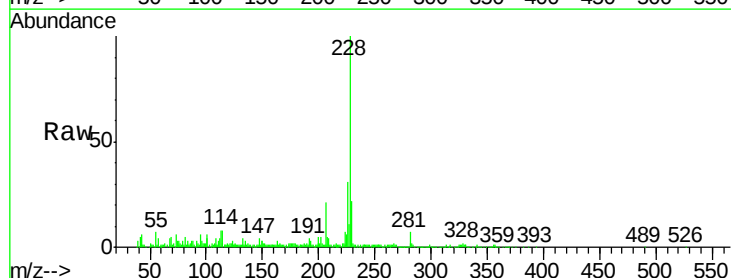
Tgt Ion:228 Resp: 269766

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

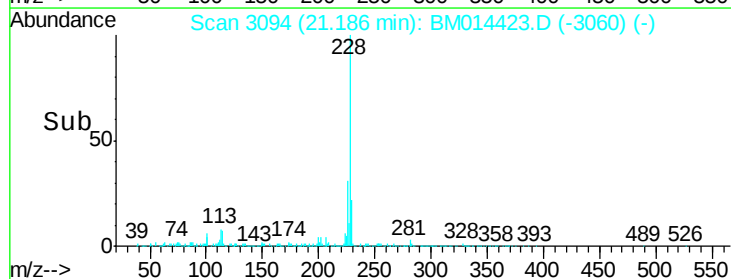
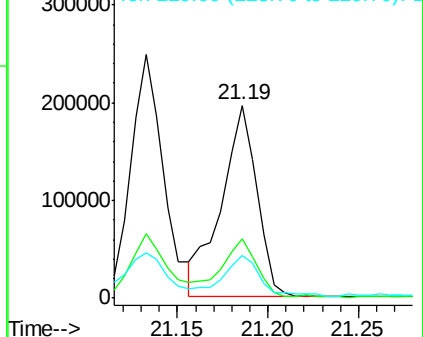
229 22.2 15.5 23.3

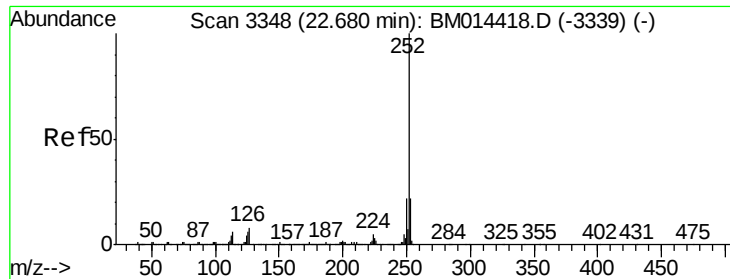


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 7.038 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

Instrument :

BNA_M

ClientSampleId :

BE5Z9

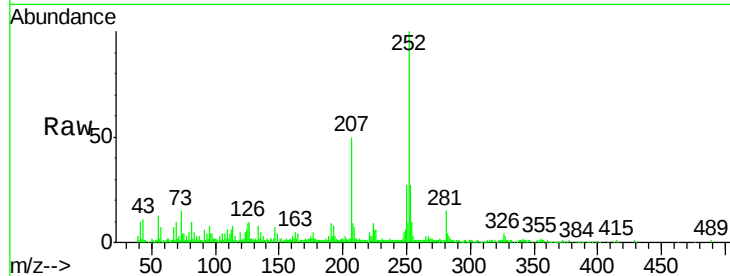
Tot Ion:252 Resp: 344927

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

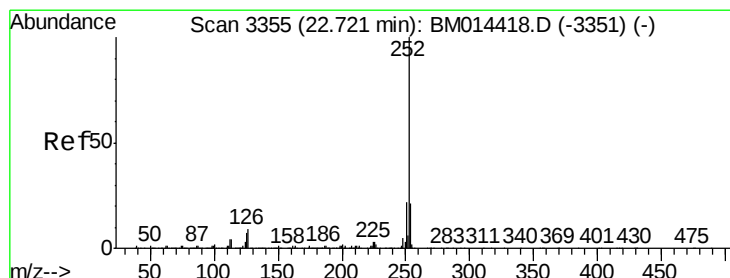
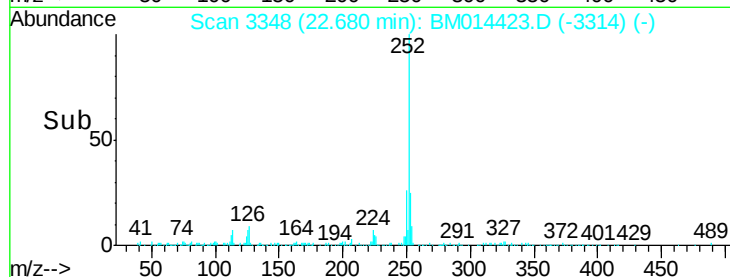
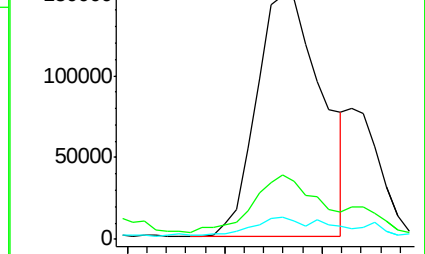
125 9.0 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 7.403 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. -0.04 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

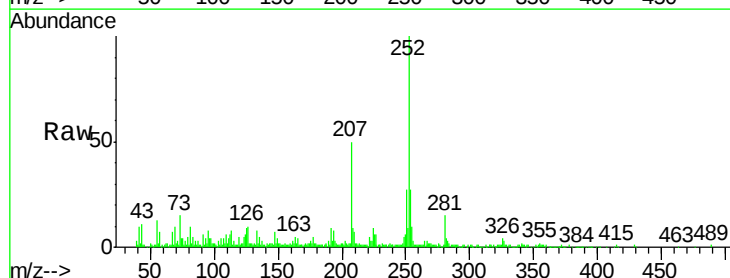
Tgt Ion:252 Resp: 344927

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

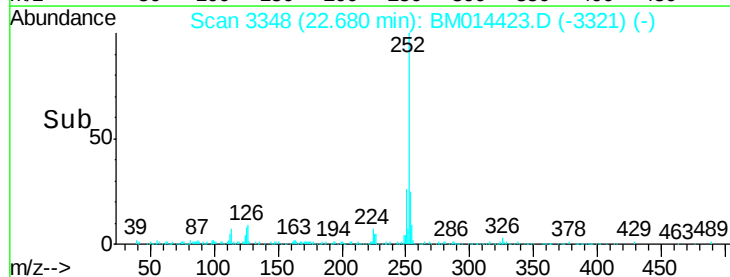
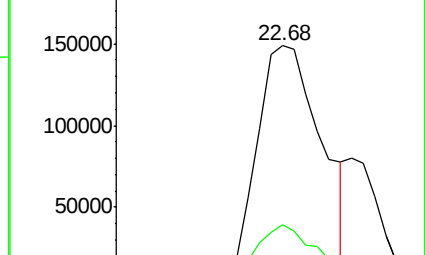
125 9.0 3.4 5.2#

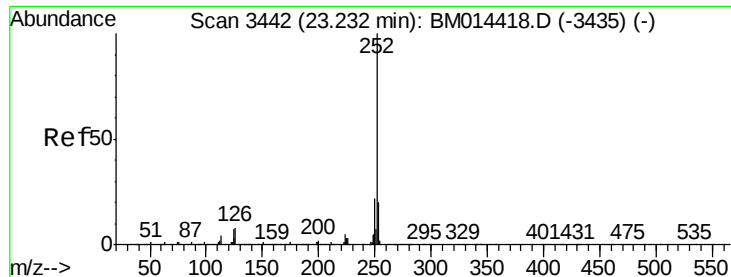


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 5.177 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

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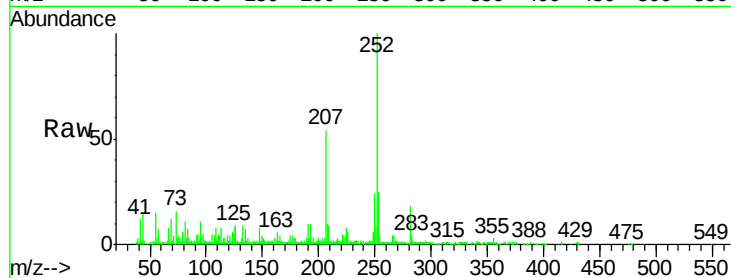
Tot Ion:252 Resp: 226712

Ion Ratio Lower Upper

252 100

253 25.1 18.2 27.2

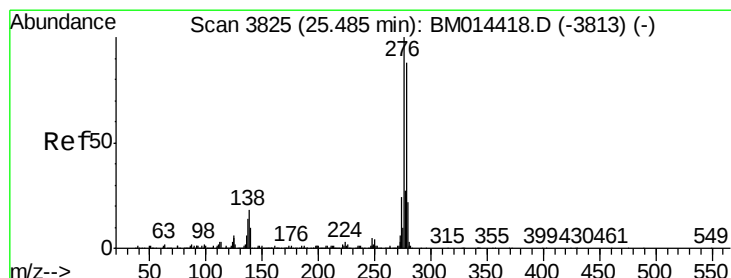
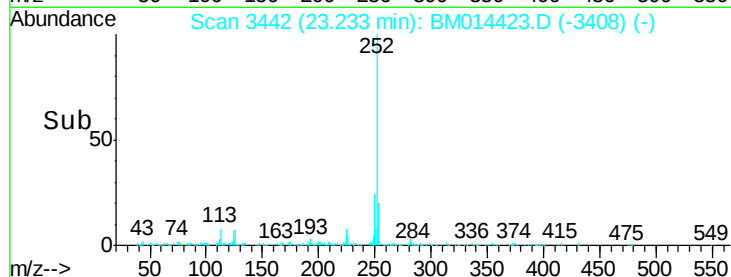
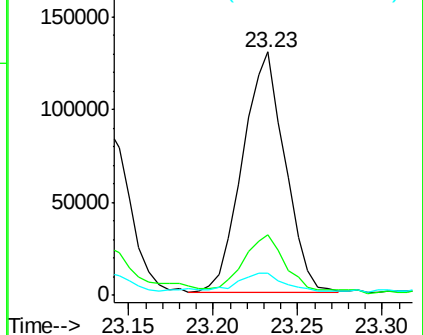
125 8.9 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.708 ng/ul

RT: 25.49 min Scan# 3825

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

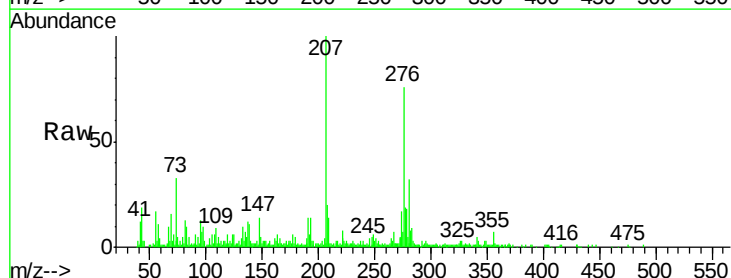
Tgt Ion:276 Resp: 157584

Ion Ratio Lower Upper

276 100

138 14.0 9.3 13.9#

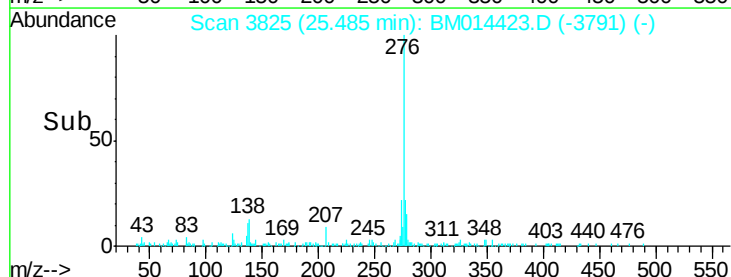
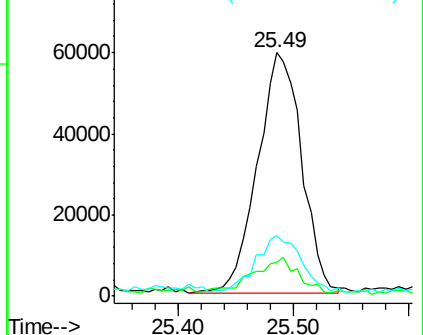
277 25.1 19.9 29.9

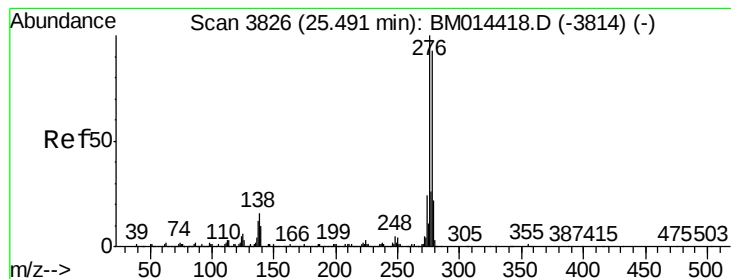


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.111 ng/ul

RT: 25.48 min Scan# 3824

Delta R.T. -0.01 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

Instrument :

BNA_M

ClientSampleId :

BE5Z9

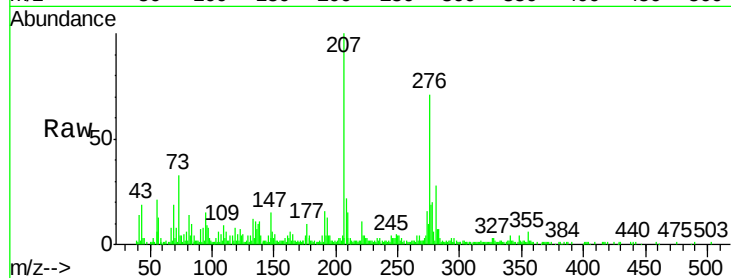
Tot Ion:278 Resp: 39223

Ion Ratio Lower Upper

278 100

139 20.5 5.8 8.8#

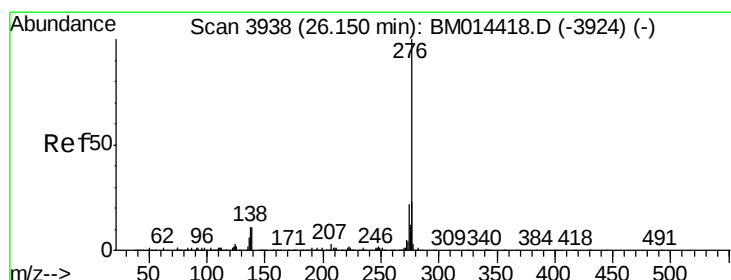
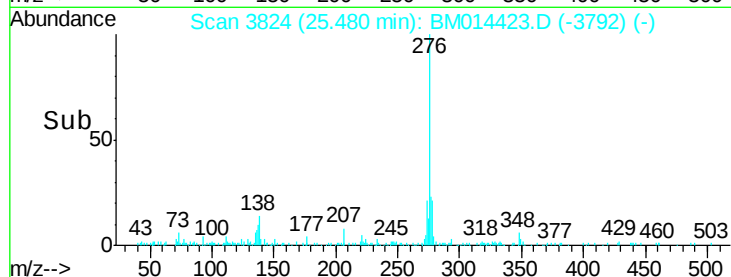
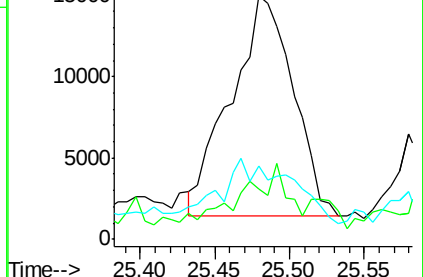
279 30.0 18.6 27.8#



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



#91

Benzo(g,h,i)perylene

Concen: 4.013 ng/ul

RT: 26.15 min Scan# 3938

Delta R.T. 0.00 min

Lab File: BM014423.D

Acq: 01 Mar 2018 04:33

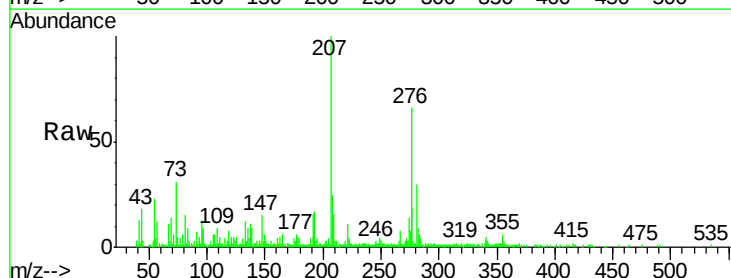
Tgt Ion:276 Resp: 138140

Ion Ratio Lower Upper

276 100

138 13.3 8.5 12.7#

277 27.0 18.6 28.0



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

