

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014435.D
 Acq On : 01 Mar 2018 11:44
 Operator : SJ/JU
 Sample : J1678-10 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5W0

Quant Time: Mar 01 13:33:46 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	115441	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	538389	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	329494	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	738650	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	701164	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	536442	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1731	0.64	ng/uL	0.00
5) Phenol-d5	6.73	99	21737	2.23	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	16714	2.83	ng/ul	0.01
9) 2-Chlorophenol-d4	7.06	132	24078	3.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	23527	2.76	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	13222	3.32	ng/ul	0.02
22) 2-Nitrophenol-d4	9.40	143	12487	3.03	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.95	165	9857	1.16	ng/ul	0.02
29) 4-Chloroaniline-d4	10.47	131	8190	0.97	ng/ul	0.03
43) Dimethylphthalate-d6	13.60	166	96527	3.55	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	121631	3.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	3774	1.00	ng/ul	0.06
57) Fluorene-d10	15.17	176	87891	3.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	370	0.08	ng/ul	0.02
70) Anthracene-d10	17.03	188	135356	3.80	ng/ul	0.00
76) Pyrene-d10	19.35	212	155083	4.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	94814	3.63	ng/ul	0.00

Target Compounds

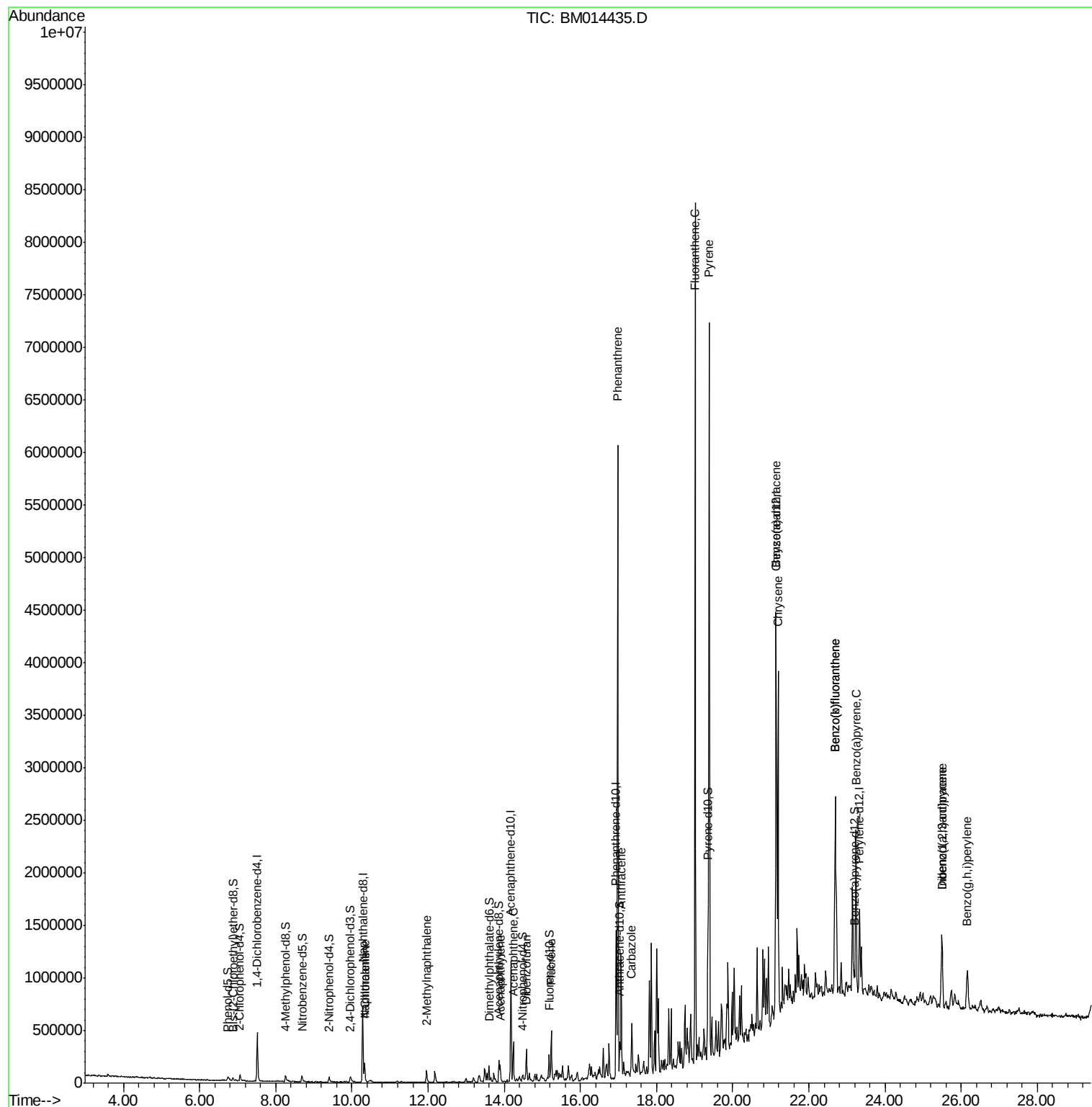
					Ovalue	
28) Naphthalene	10.33	128	134150	4.851	ng/ul	96
30) 4-Chloroaniline	10.33	127	18772	2.190	ng/ul#	30
34) 2-Methylnaphthalene	11.96	142	51288	2.437	ng/ul	95
47) Acenaphthylene	13.89	152	77596	2.447	ng/ul#	95
49) Acenaphthene	14.24	153	133028	5.957	ng/ul	96
53) Dibenzofuran	14.58	168	133864	3.998	ng/ul	94
58) Fluorene	15.23	166	183842	6.360	ng/ul	97
69) Phenanthrene	16.98	178	3280887	77.092	ng/ul	99
71) Anthracene	17.07	178	655437	15.314	ng/ul	100
72) Carbazole	17.35	167	272965	7.585	ng/ul#	96
74) Fluoranthene	19.02	202	4268501	83.950	ng/ul#	92
77) Pyrene	19.38	202	3998460	85.809	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	1782222	40.728	ng/ul	99
82) Chrysene	21.19	228	1545388	37.857	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	1534958	42.734	ng/ul#	98
86) Benzo(k)fluoranthene	22.69	252	1534958	44.947	ng/ul#	97
88) Benzo(a)pyrene	23.24	252	1038031	32.340	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.50	276	565975	18.171	ng/ul	99
90) Dibenzo(a,h)anthracene	25.50	278	168562	6.513	ng/ul#	86
91) Benzo(g,h,i)perylene	26.16	276	429631	17.027	ng/ul#	96

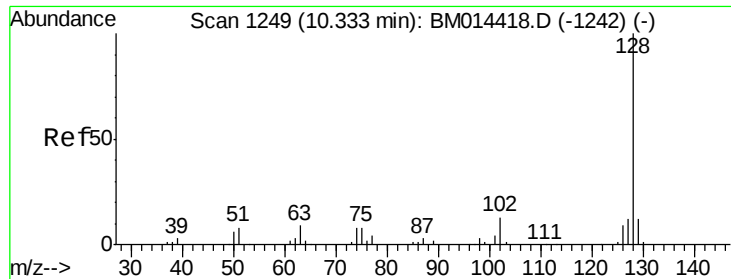
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014435.D
Acq On : 01 Mar 2018 11:44
Operator : SJ/JU
Sample : J1678-10 10X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5W0

Quant Time: Mar 01 13:33:46 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





#28

Naphthalene

Concen: 4.851 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

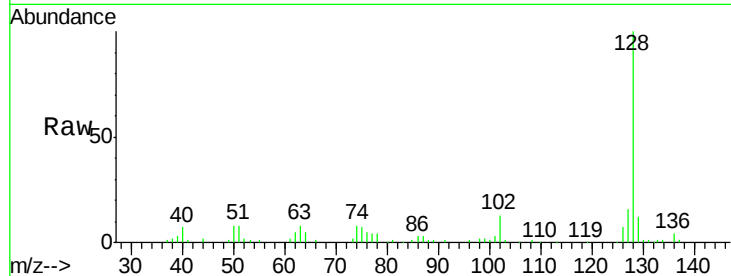
Tot Ion:128 Resp: 134150

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

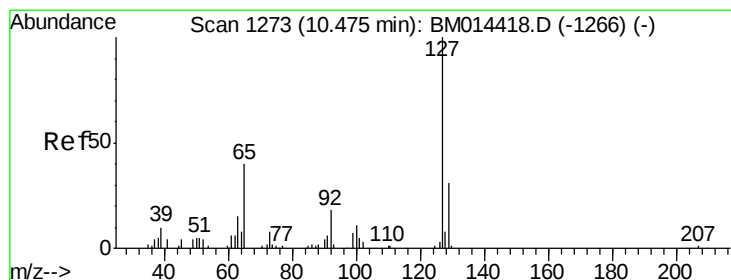
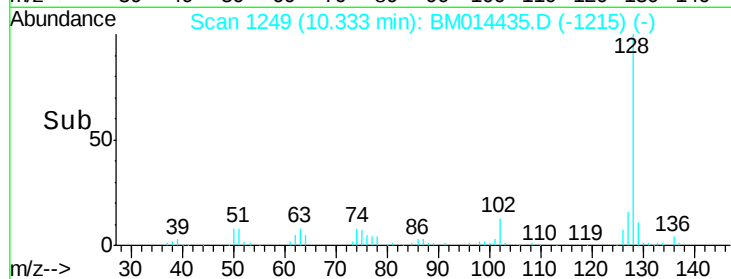
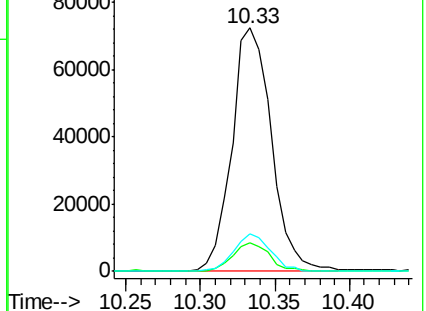
127 15.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 2.190 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. -0.14 min

Lab File: BM014435.D

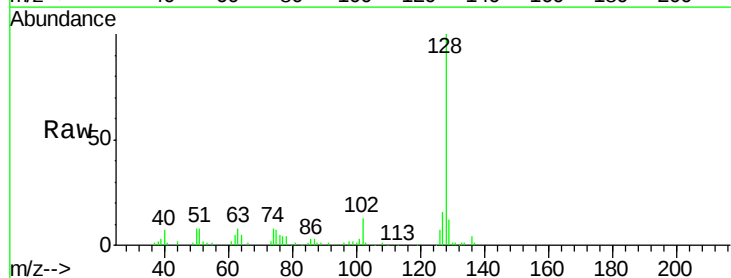
Acq: 01 Mar 2018 11:44

Tgt Ion:127 Resp: 18772

Ion Ratio Lower Upper

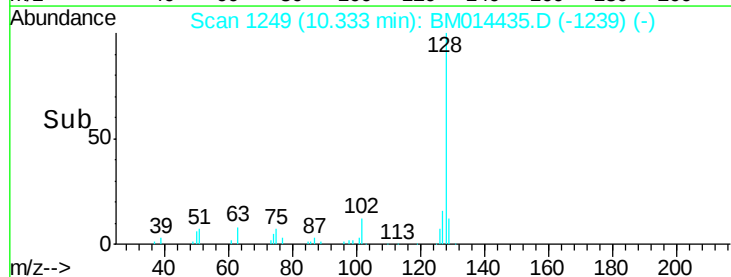
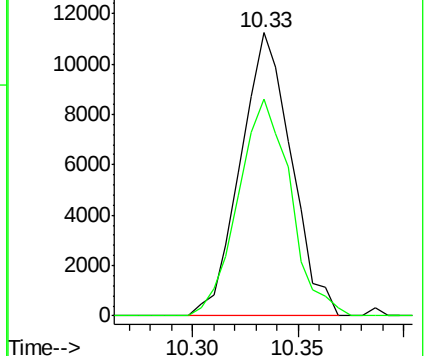
127 100

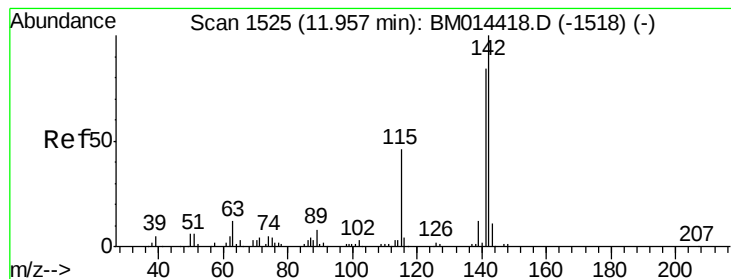
129 76.5 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 2.437 ng/ul

RT: 11.96 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

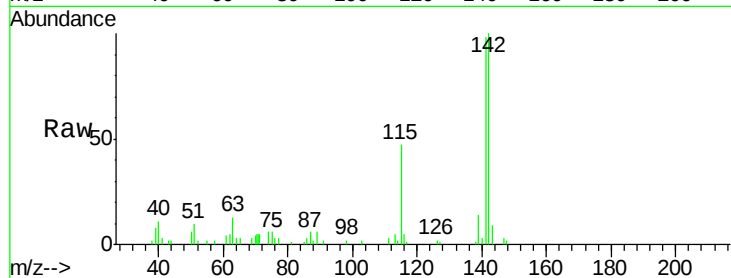
BE5W0

Tot Ion:142 Resp: 51288

Ion Ratio Lower Upper

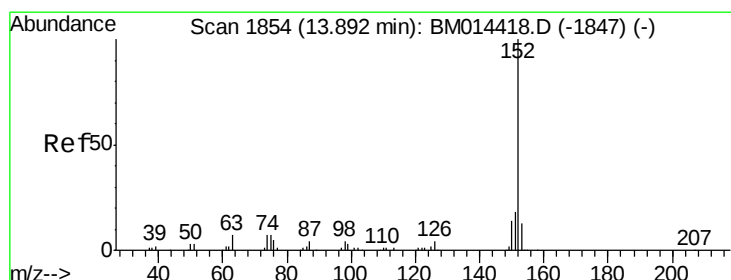
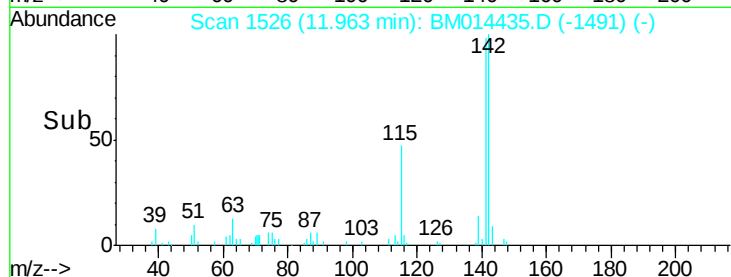
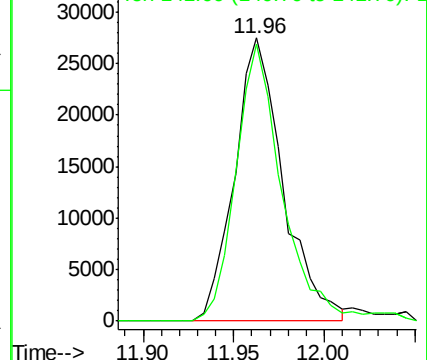
142 100

141 97.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#47

Acenaphthylene

Concen: 2.447 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

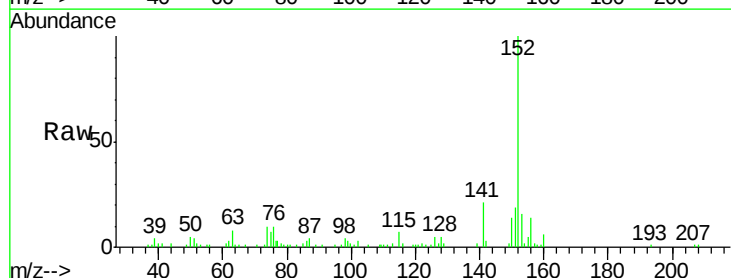
Tgt Ion:152 Resp: 77596

Ion Ratio Lower Upper

152 100

151 19.2 16.3 24.5

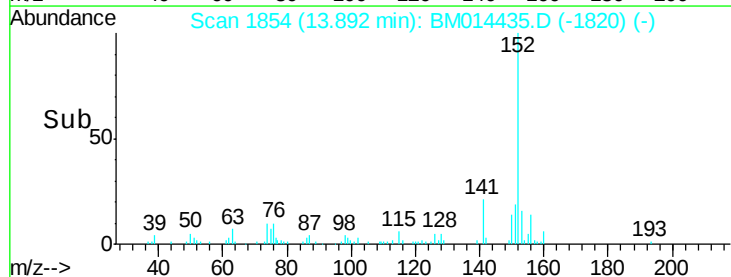
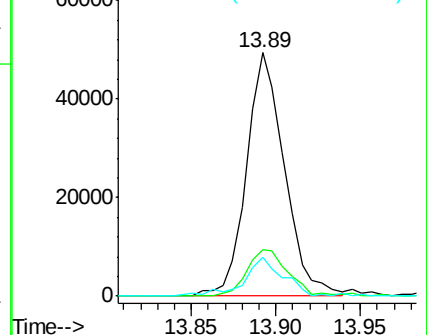
153 16.1 10.2 15.4#

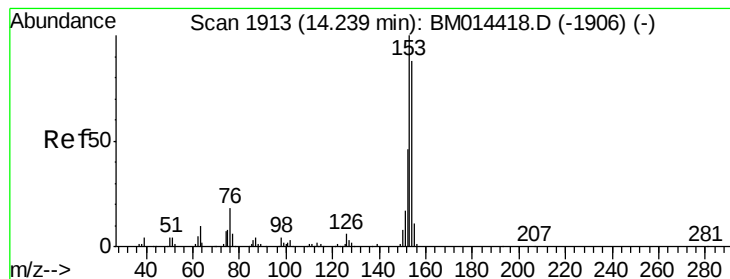


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 5.957 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

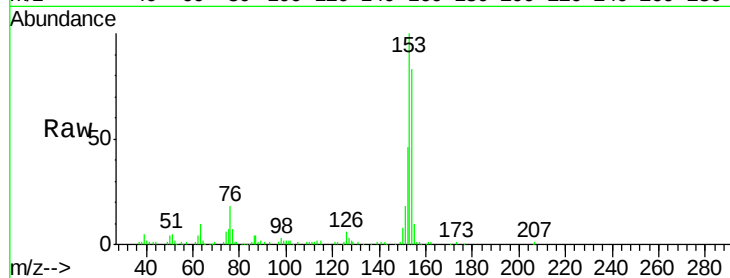
Tot Ion:153 Resp: 133028

Ion Ratio Lower Upper

153 100

152 46.0 37.6 56.4

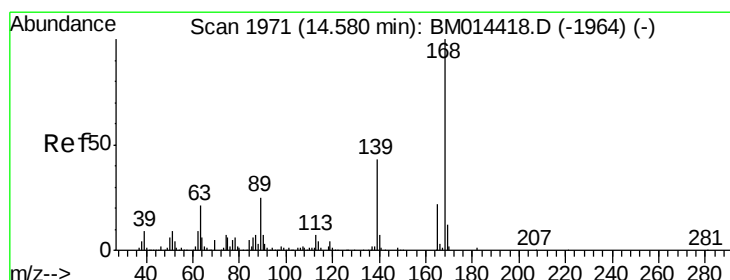
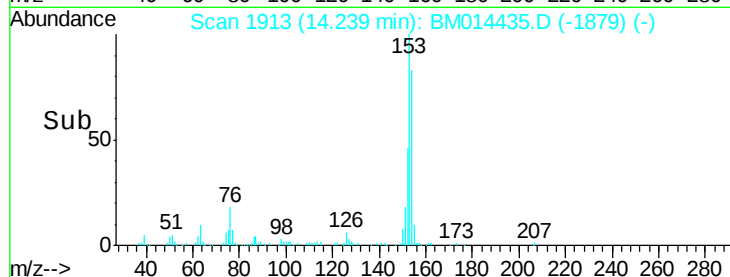
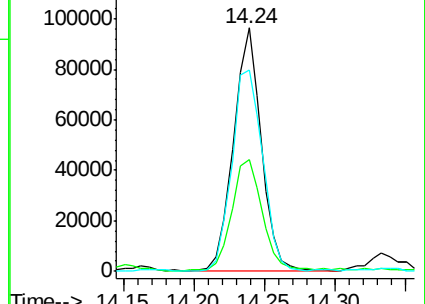
154 82.6 70.4 105.6



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



#53

Dibenzofuran

Concen: 3.998 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014435.D

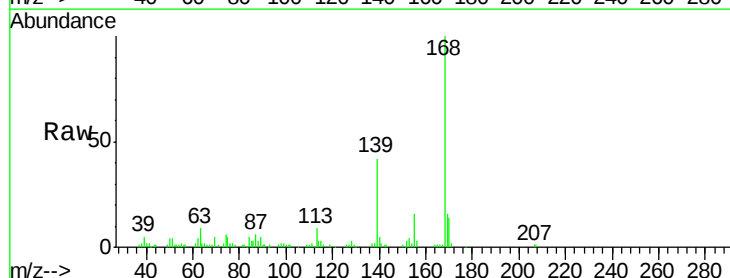
Acq: 01 Mar 2018 11:44

Tgt Ion:168 Resp: 133864

Ion Ratio Lower Upper

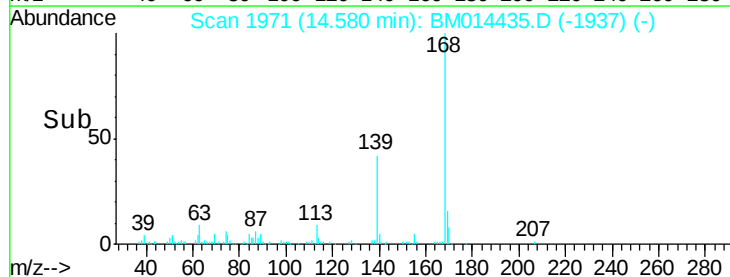
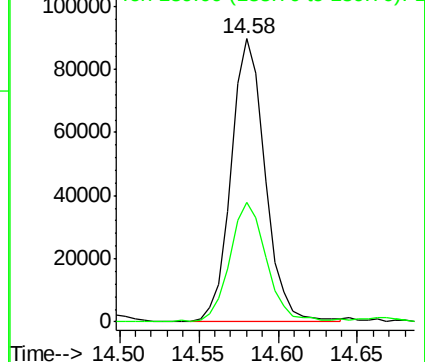
168 100

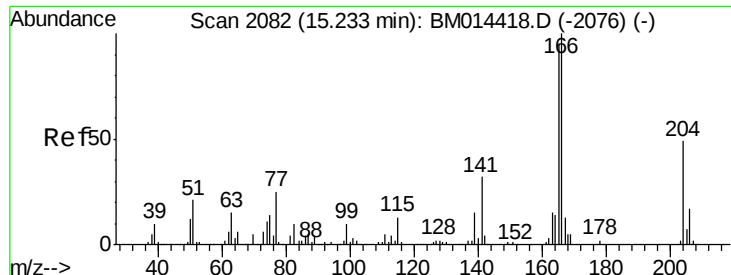
139 42.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.360 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

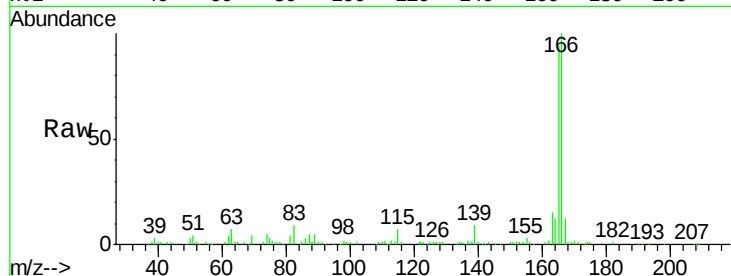
Tot Ion:166 Resp: 183842

Ion Ratio Lower Upper

166 100

165 94.2 77.9 116.9

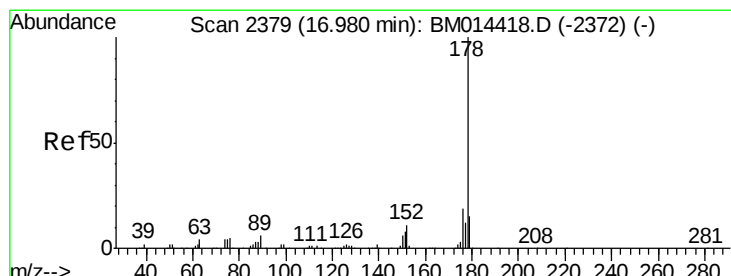
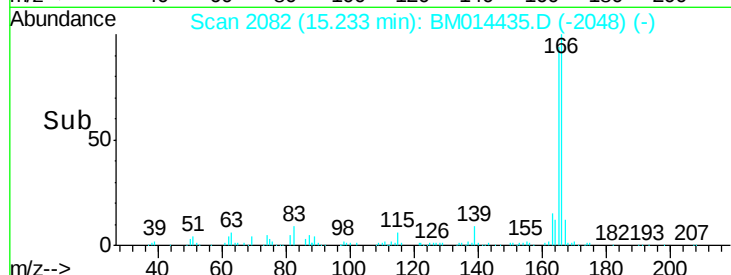
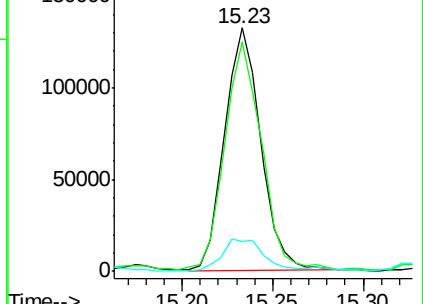
167 12.2 10.6 16.0



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



#69

Phenanthrene

Concen: 77.092 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

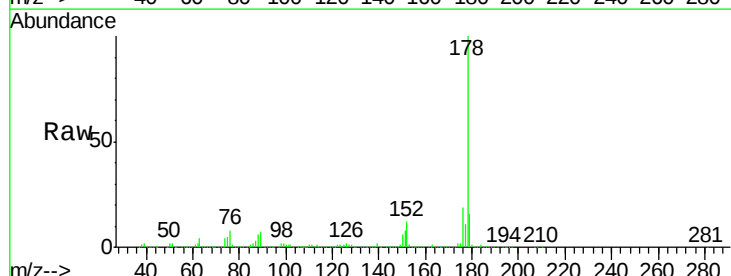
Tgt Ion:178 Resp: 3280887

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

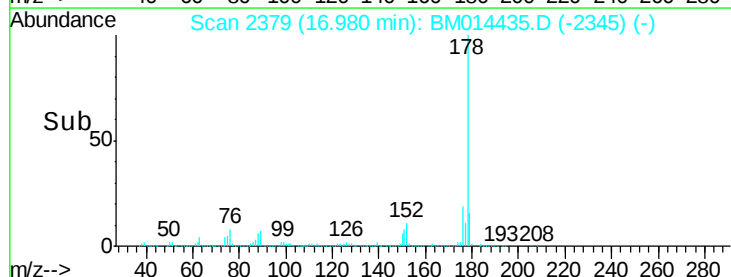
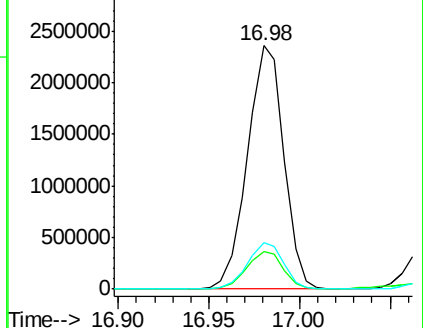
176 19.0 14.9 22.3

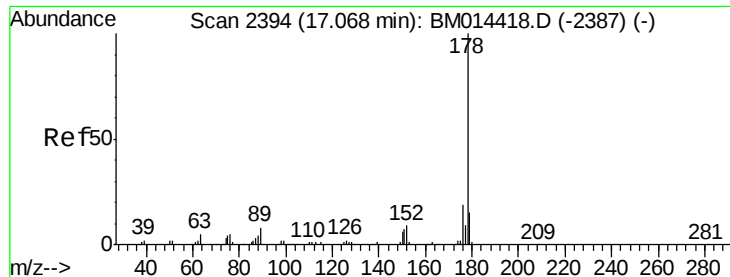


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

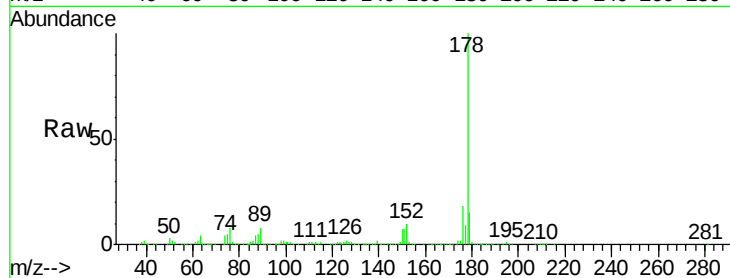




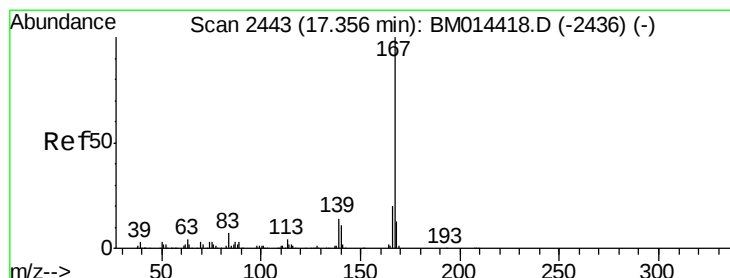
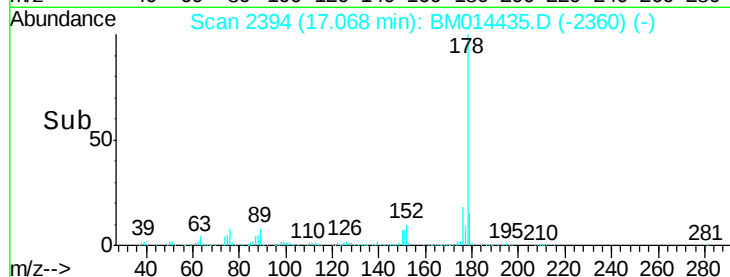
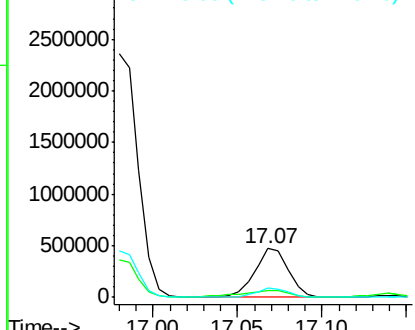
#71
 Anthracene
 Concen: 15.314 ng/ul
 RT: 17.07 min Scan# 2394
 Delta R.T. 0.00 min
 Lab File: BM014435.D
 Acq: 01 Mar 2018 11:44

Instrument :
 BNA_M
 ClientSampleId :
 BE5W0

Tot Ion:178 Resp: 655437
 Ion Ratio Lower Upper
 178 100
 179 14.7 11.7 17.5
 176 18.4 14.6 21.8

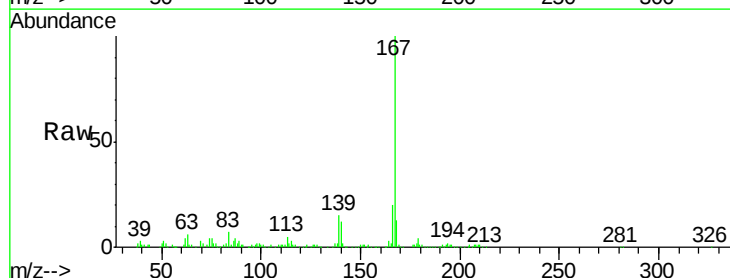


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

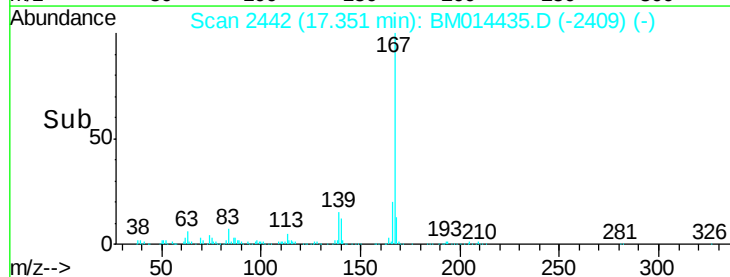
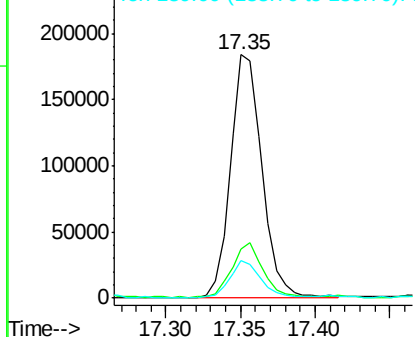


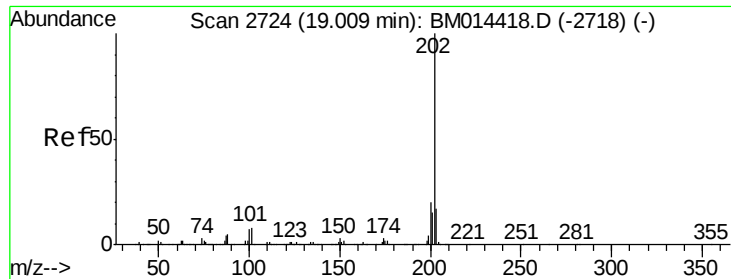
#72
 Carbazole
 Concen: 7.585 ng/ul
 RT: 17.35 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM014435.D
 Acq: 01 Mar 2018 11:44

Tgt Ion:167 Resp: 272965
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.1 25.7
 139 15.3 10.0 15.0#



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





#74

Fluoranthene

Concen: 83.950 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

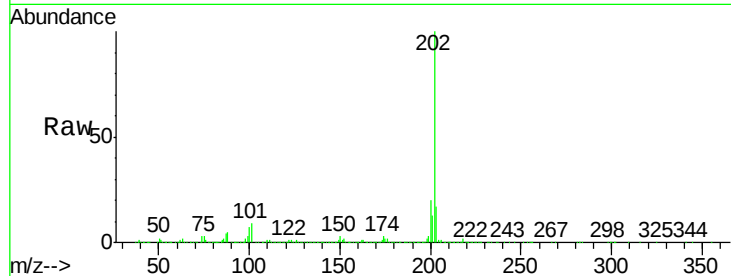
Tot Ion:202 Resp: 4268501

Ion Ratio Lower Upper

202 100

101 8.7 4.6 7.0#

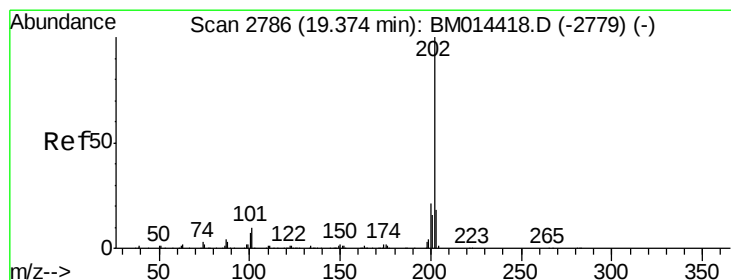
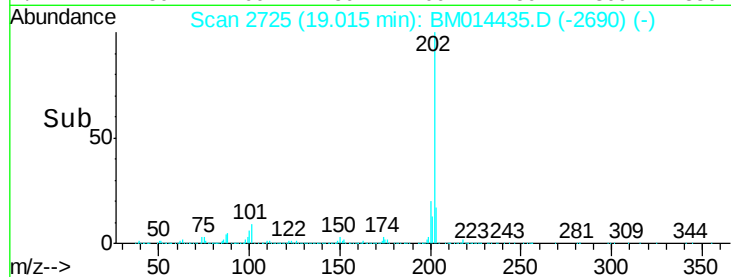
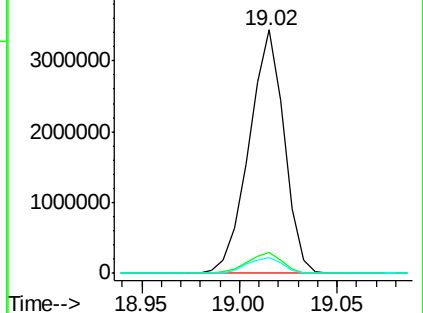
100 6.5 3.4 5.2#



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: 85.809 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

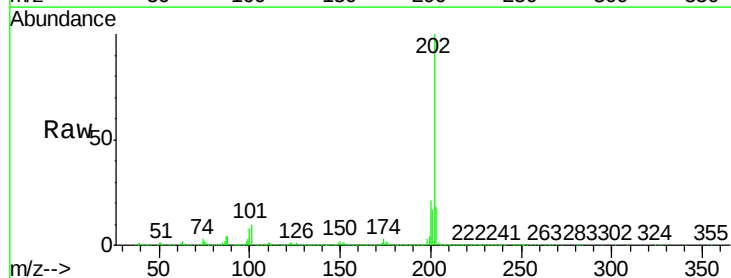
Tgt Ion:202 Resp: 3998460

Ion Ratio Lower Upper

202 100

101 9.9 5.1 7.7#

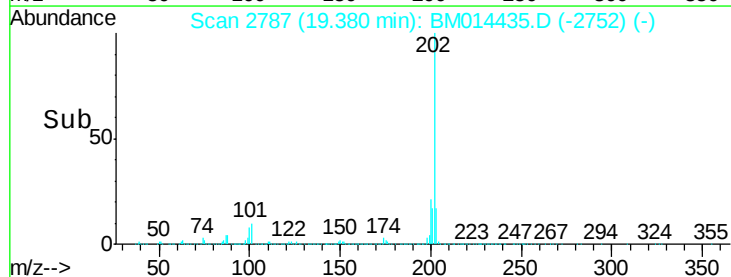
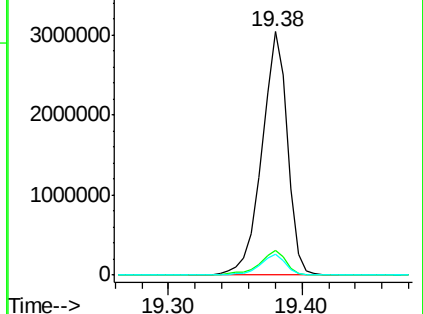
100 8.5 4.9 7.3#

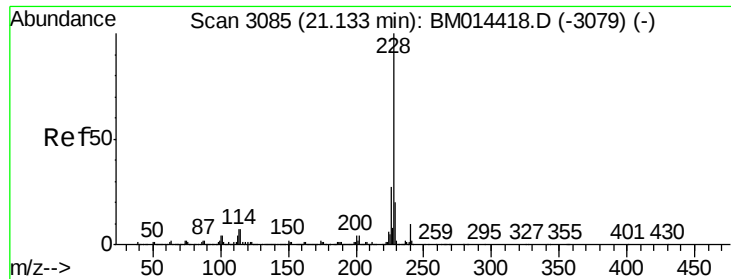


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 40.728 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

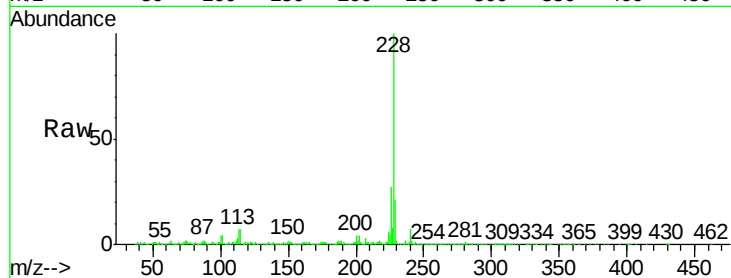
Tot Ion:228 Resp: 1782222

Ion Ratio Lower Upper

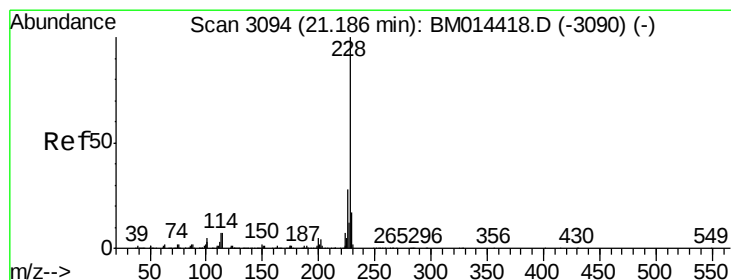
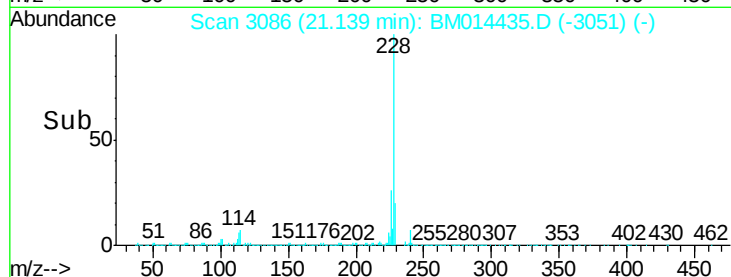
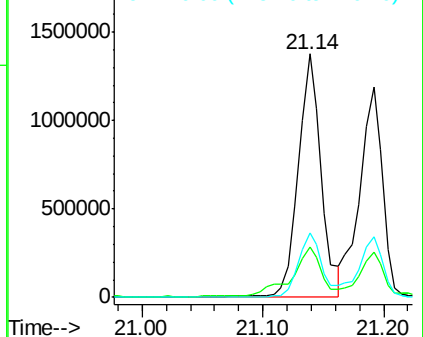
228 100

229 20.6 15.4 23.0

226 26.6 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: 37.857 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

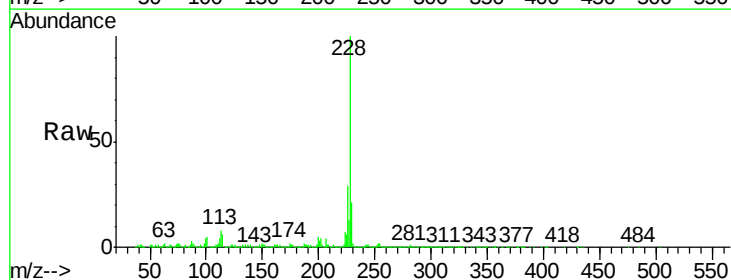
Tgt Ion:228 Resp: 1545388

Ion Ratio Lower Upper

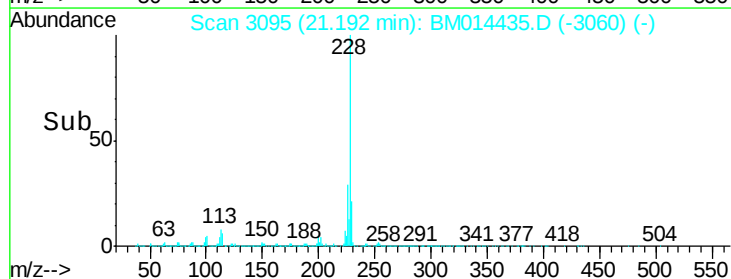
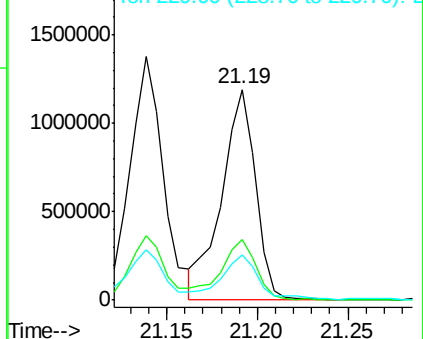
228 100

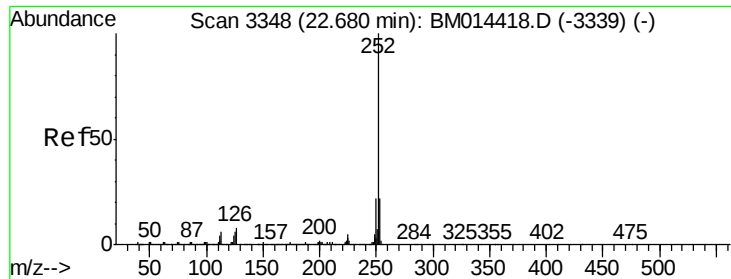
226 29.1 23.4 35.2

229 21.4 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: 42.734 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

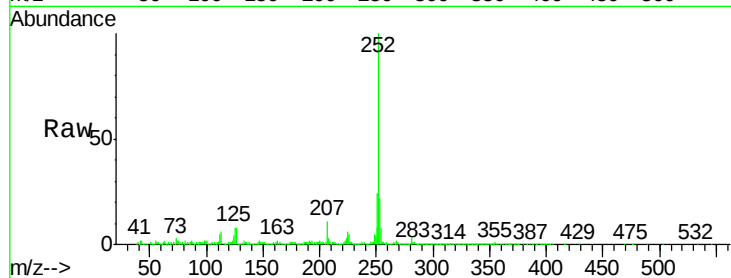
Tot Ion:252 Resp: 1534958

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

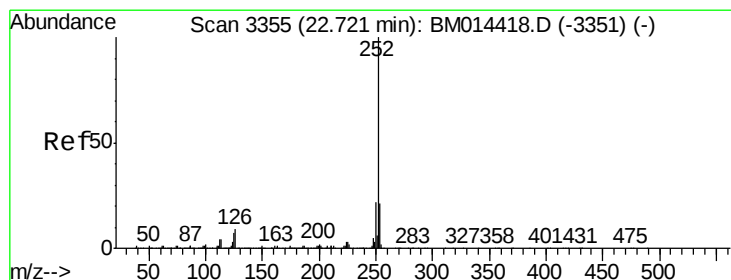
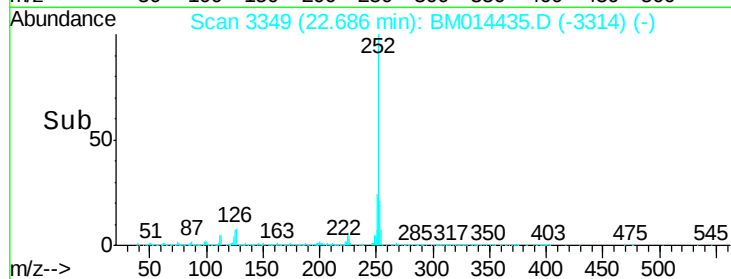
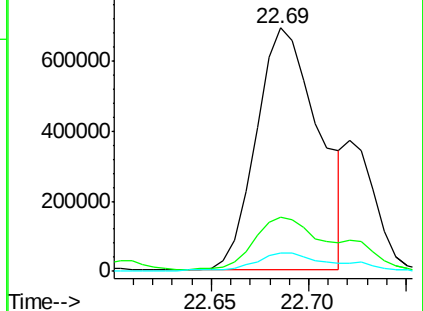
125 7.7 3.6 5.4#



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: 44.947 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

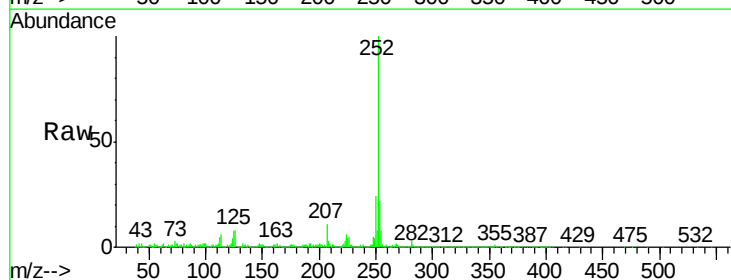
Tgt Ion:252 Resp: 1534958

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

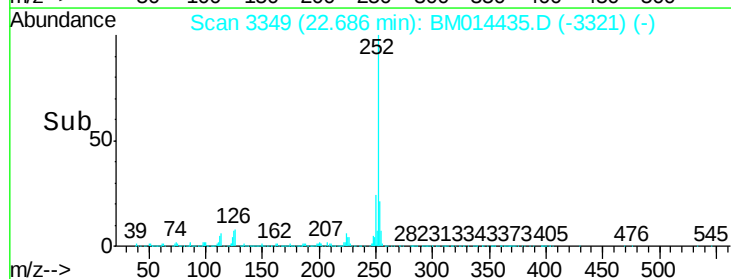
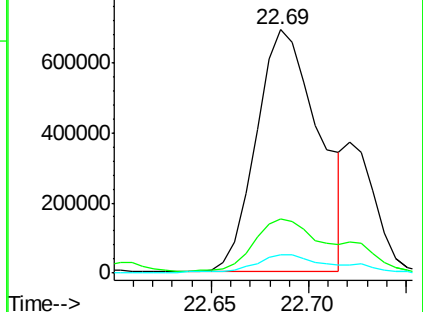
125 7.7 3.4 5.2#

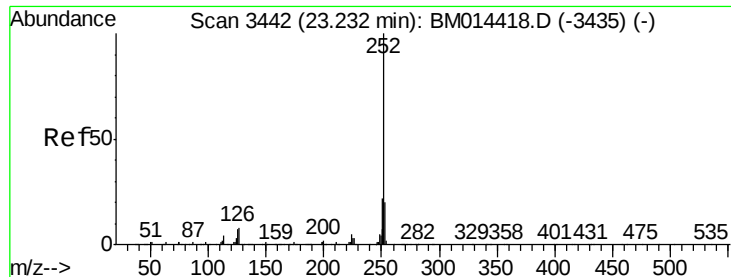


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 32.340 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

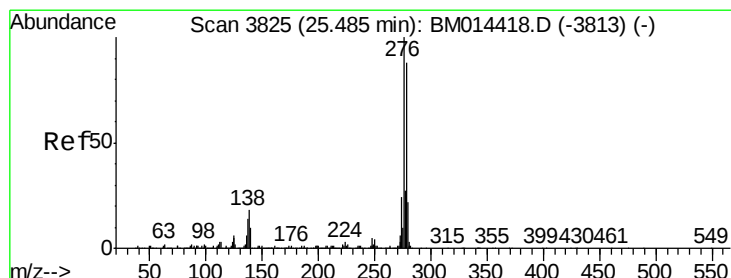
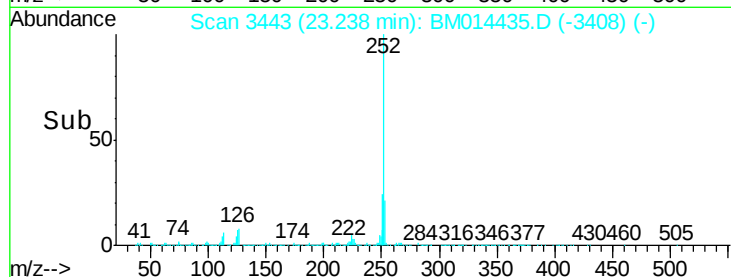
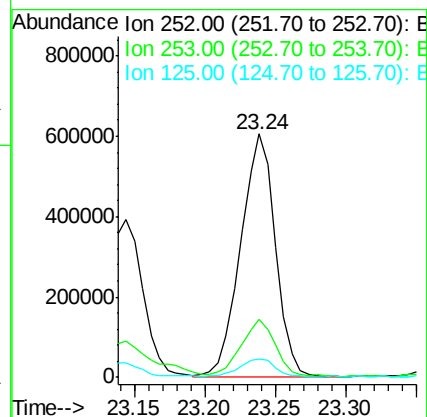
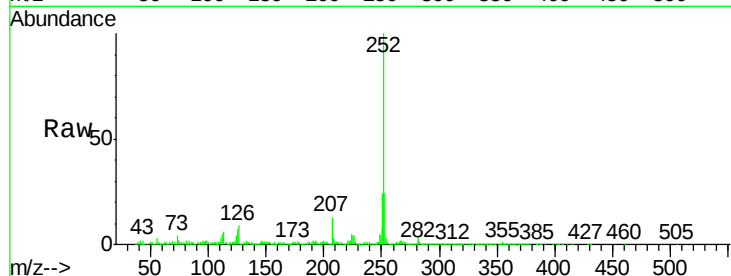
Tot Ion:252 Resp: 1038031

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

125 7.3 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 18.171 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

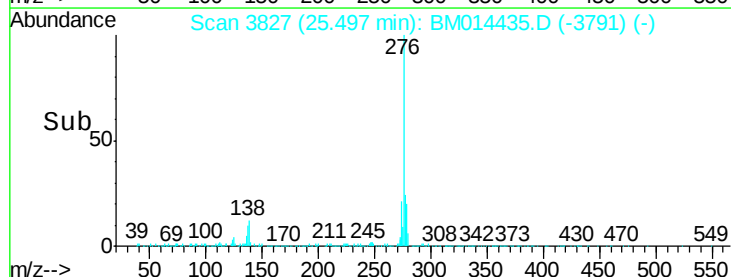
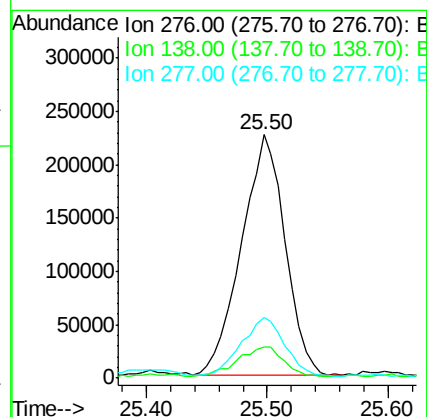
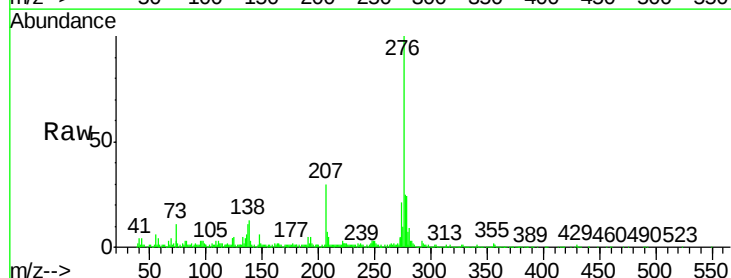
Tgt Ion:276 Resp: 565975

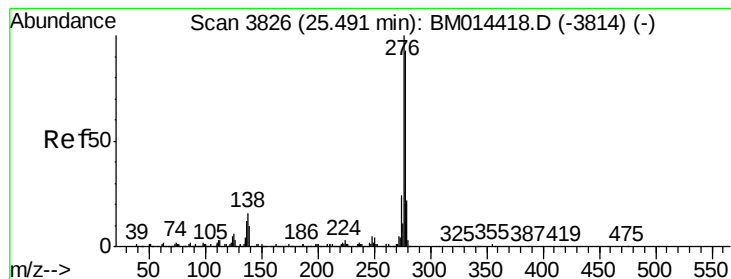
Ion Ratio Lower Upper

276 100

138 13.0 9.3 13.9

277 24.6 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 6.513 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

Instrument :

BNA_M

ClientSampleId :

BE5W0

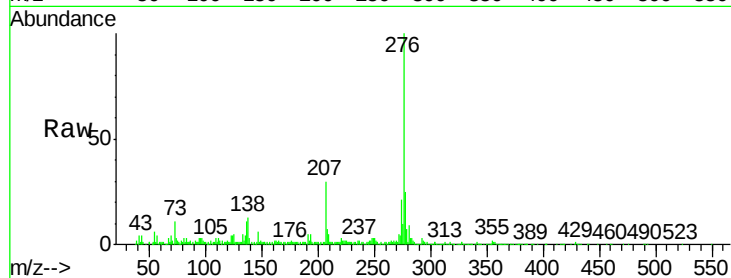
Tot Ion:278 Resp: 168562

Ion Ratio Lower Upper

278 100

139 12.4 5.8 8.8#

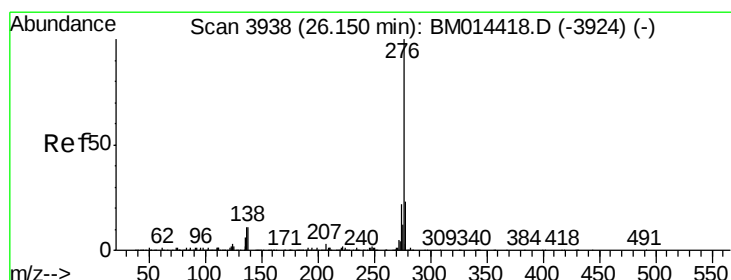
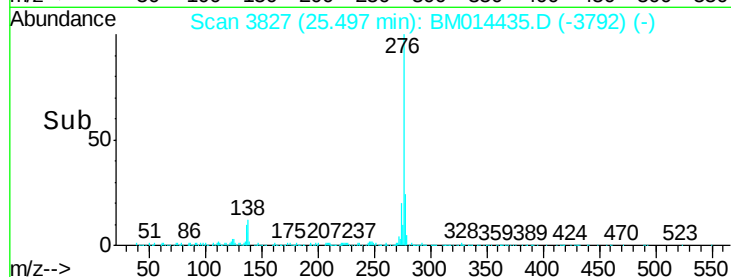
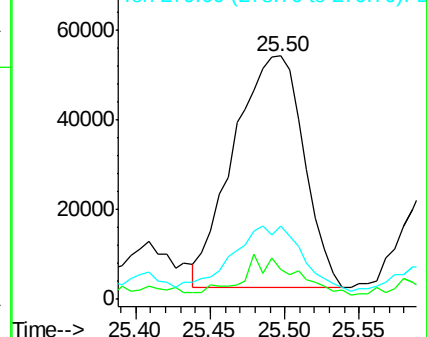
279 29.9 18.6 27.8#



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: 17.027 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.01 min

Lab File: BM014435.D

Acq: 01 Mar 2018 11:44

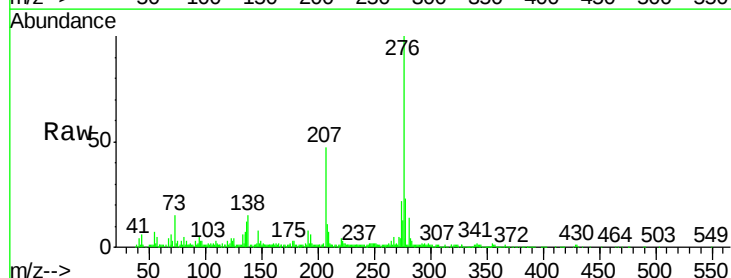
Tgt Ion:276 Resp: 429631

Ion Ratio Lower Upper

276 100

138 15.1 8.5 12.7#

277 23.3 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

