

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014420.D
 Acq On : 01 Mar 2018 02:45
 Operator : SJ/JU
 Sample : J1646-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3

Quant Time: Mar 01 03:20:20 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	103800	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	483016	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	312109	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	742072	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	871245	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	765224	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	11058	4.56	ng/uL	0.00
5) Phenol-d5	6.72	99	276804	31.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	171831	32.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	222828	33.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	208879	27.21	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	121586	34.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	138625	37.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	239836	31.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	202584	26.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	899590	34.90	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1110524	34.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	107678	30.26	ng/ul	0.00
57) Fluorene-d10	15.17	176	774010	33.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	113984	25.61	ng/ul	0.00
70) Anthracene-d10	17.03	188	1235645	34.51	ng/ul	0.00
76) Pyrene-d10	19.34	212	1453192	32.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1285195	34.51	ng/ul	0.00

Target Compounds

					Ovalue	
15) N-Nitroso-di-n-propylamine	8.24	70	6758	1.018	ng/ul#	1
28) Naphthalene	10.33	128	87197	3.515	ng/ul	97
30) 4-Chloroaniline	10.33	127	13084	1.702	ng/ul#	37
34) 2-Methylnaphthalene	11.97	142	33600	1.779	ng/ul	99
44) Dimethylphthalate	13.65	163	212905	8.377	ng/ul#	96
47) Acenaphthylene	13.89	152	163642	5.447	ng/ul#	95
49) Acenaphthene	14.24	153	156125	7.381	ng/ul	99
53) Dibenzofuran	14.58	168	160742	5.068	ng/ul	98
58) Fluorene	15.23	166	173509	6.337	ng/ul#	91
69) Phenanthrene	16.98	178	4351631	101.780	ng/ul	99
71) Anthracene	17.07	178	643691	14.970	ng/ul	99
72) Carbazole	17.35	167	256505	7.094	ng/ul	97
74) Fluoranthene	19.02	202	6097322	119.366	ng/ul#	91
77) Pyrene	19.38	202	5581972	96.406	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	2479387	45.598	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	39382	1.149	ng/ul	95
82) Chrysene	21.19	228	2377660	46.874	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	2458995	47.992	ng/ul#	97
86) Benzo(k)fluoranthene	22.69	252	2458995	50.477	ng/ul#	98
88) Benzo(a)pyrene	23.24	252	1764933	38.547	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.49	276	871181	19.608	ng/ul	97
90) Dibenz(a,h)anthracene	25.49	278	253721	6.873	ng/ul#	86
91) Benzo(g,h,i)perylene	26.15	276	658761	18.303	ng/ul#	97

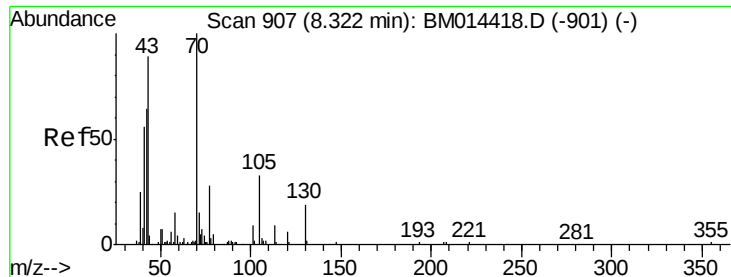
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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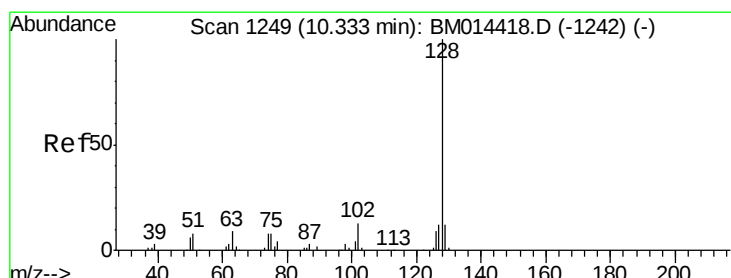
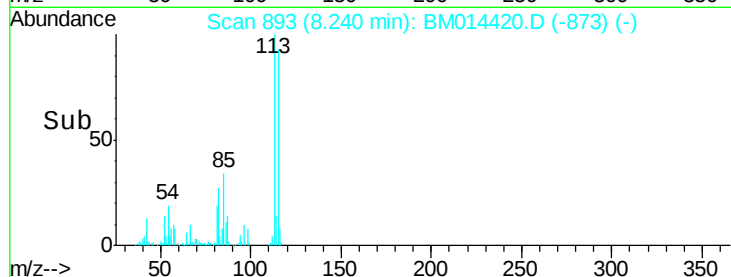
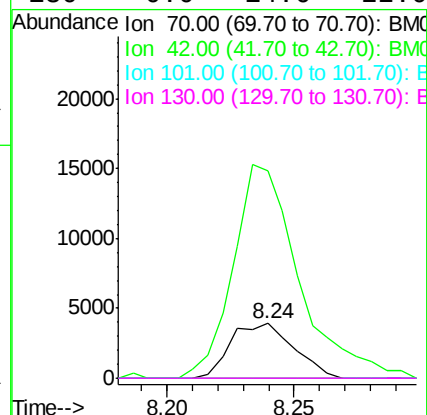
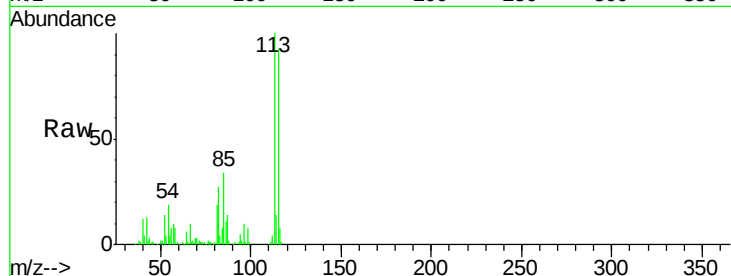
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#15
N-Nitroso-di-n-propylamine
Concen: 1.018 ng/ul
RT: 8.24 min Scan# 893
Delta R.T. -0.08 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

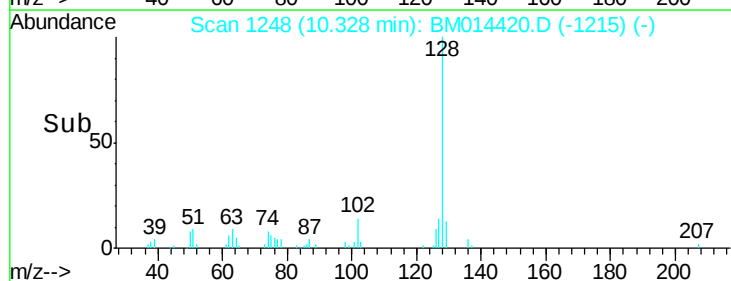
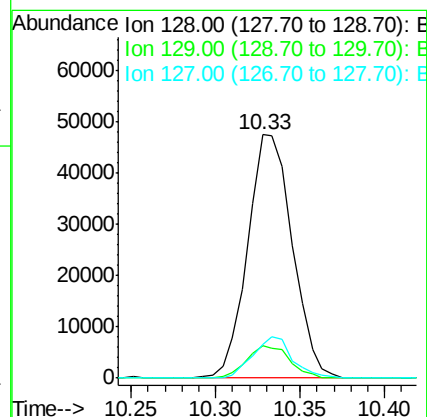
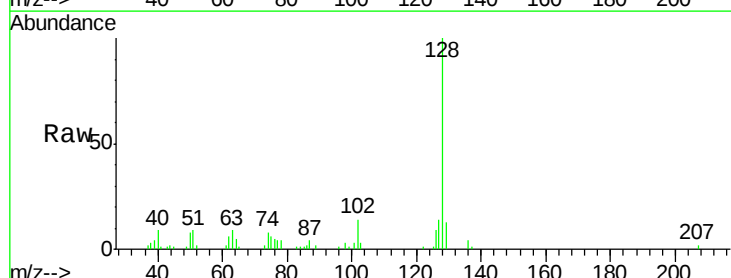
Instrument :
BNA_M
ClientSampleId :
BE5X3

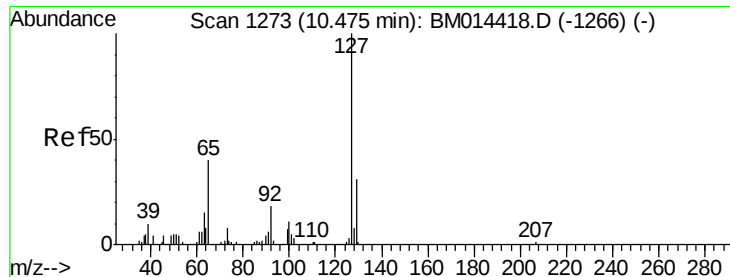
Tot Ion: 70 Resp: 6758
Ion Ratio Lower Upper
70 100
42 377.4 76.0 114.0#
101 0.0 6.7 10.1#
130 0.0 14.6 22.0#



#28
Naphthalene
Concen: 3.515 ng/ul
RT: 10.33 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Tgt Ion: 128 Resp: 87197
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.2
127 13.8 10.6 16.0

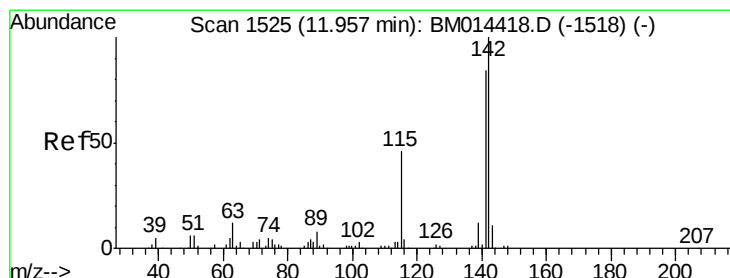
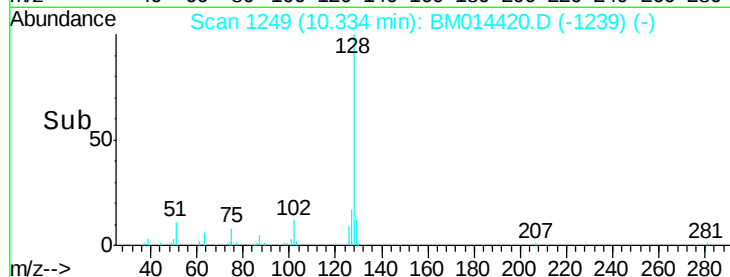
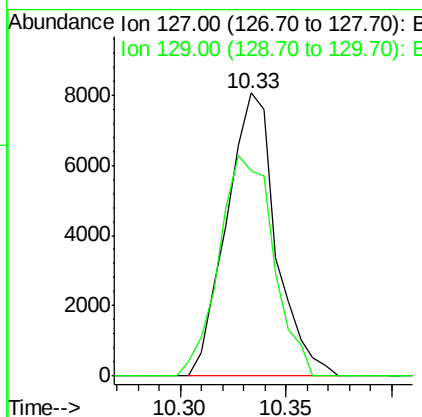
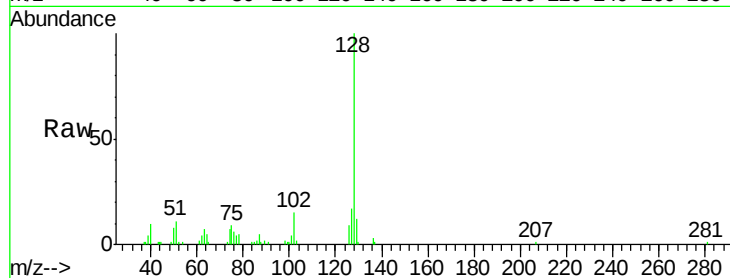




#30
 4-Chloroaniline
 Concen: 1.702 ng/ul
 RT: 10.33 min Scan# 1249
 Delta R.T. -0.14 min
 Lab File: BM014420.D
 Acq: 01 Mar 2018 02:45

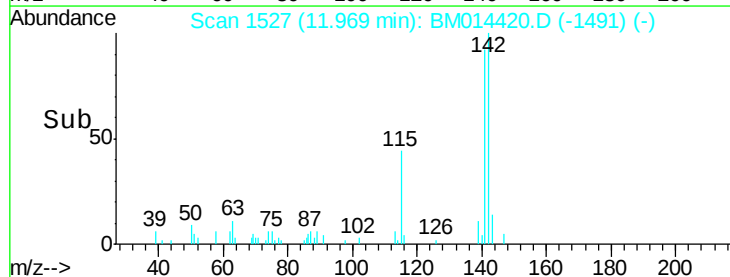
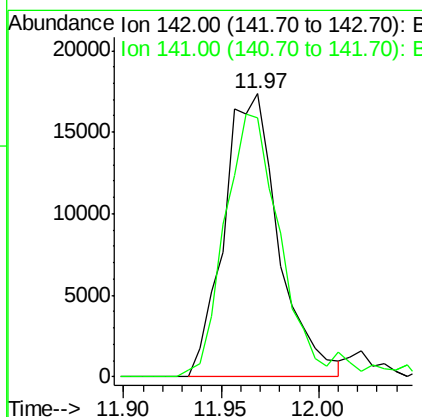
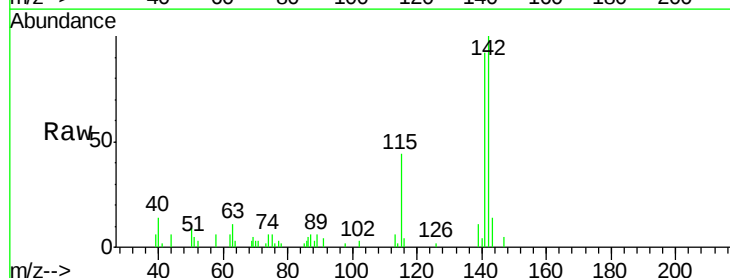
Instrument :
 BNA_M
 ClientSampleId :
 BE5X3

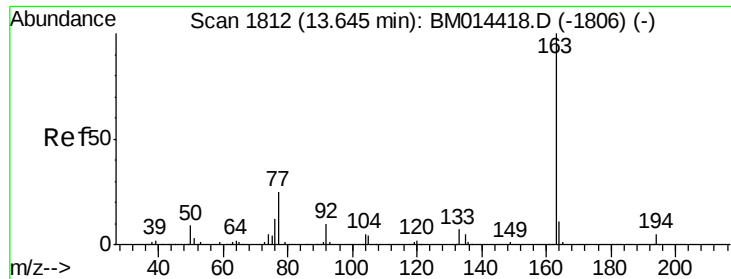
Tot Ion:127 Resp: 13084
 Ion Ratio Lower Upper
 127 100
 129 72.6 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 1.779 ng/ul
 RT: 11.97 min Scan# 1527
 Delta R.T. 0.01 min
 Lab File: BM014420.D
 Acq: 01 Mar 2018 02:45

Tgt Ion:142 Resp: 33600
 Ion Ratio Lower Upper
 142 100
 141 91.7 74.1 111.1

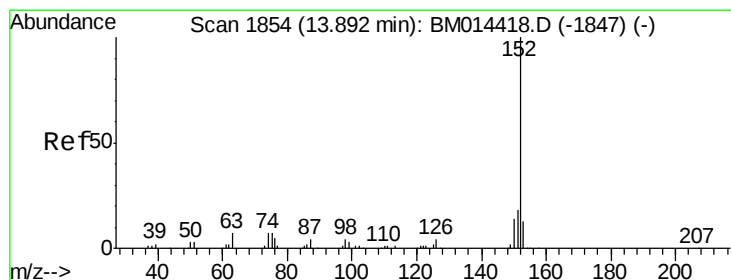
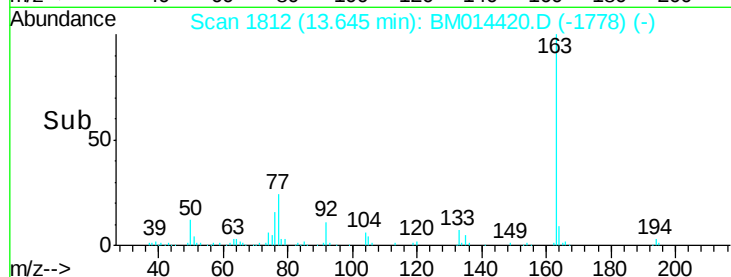
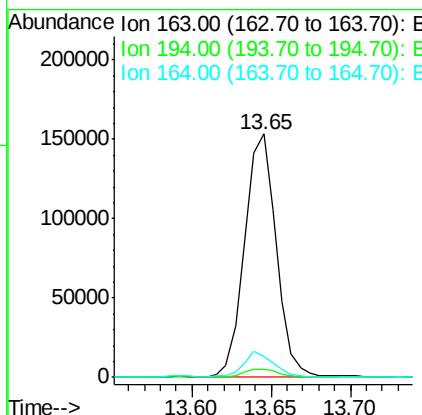
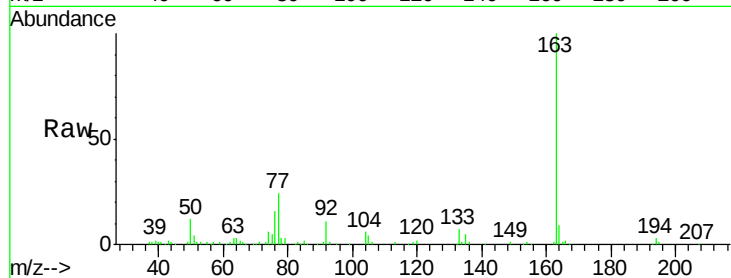




#44
Dimethylphthalate
Concen: 8.377 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

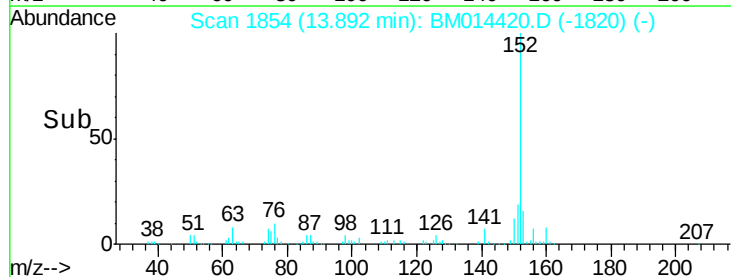
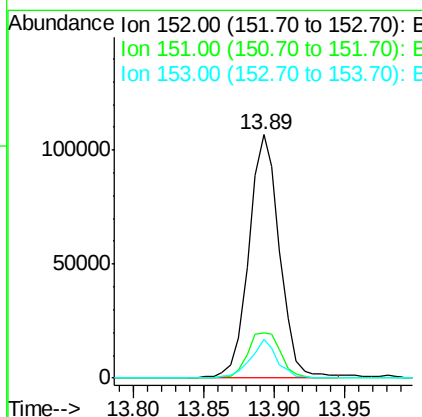
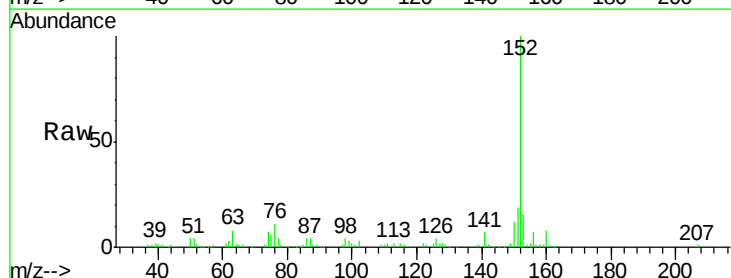
Instrument :
BNA_M
ClientSampleId :
BE5X3

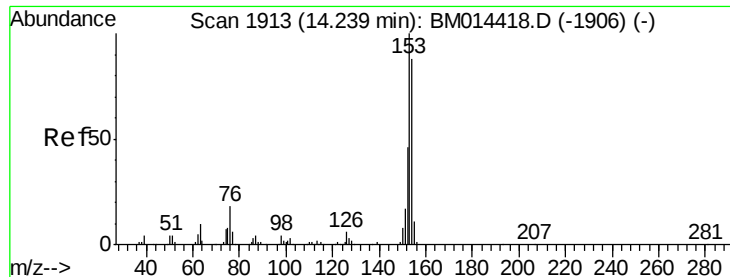
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	8.6	8.2	12.4



#47
Acenaphthylene
Concen: 5.447 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.3	24.5
153	15.7	10.2	15.4#





#49

Acenaphthene

Concen: 7.381 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampleId :

BE5X3

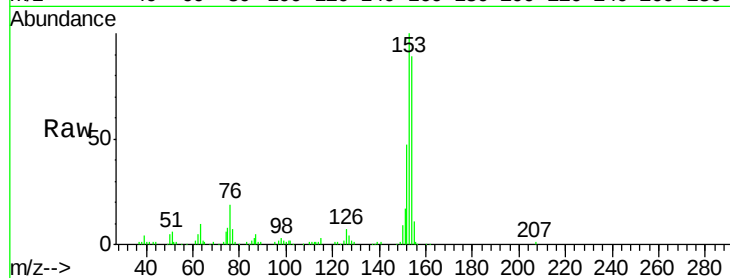
Tot Ion:153 Resp: 156125

Ion Ratio Lower Upper

153 100

152 47.4 37.6 56.4

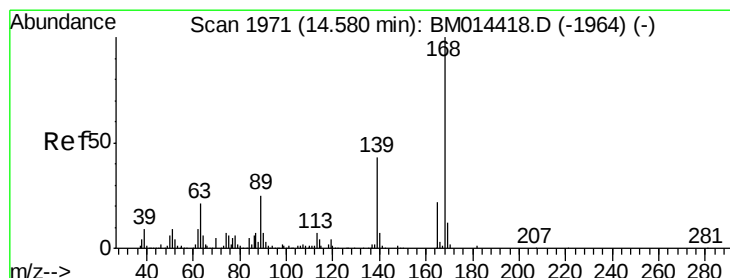
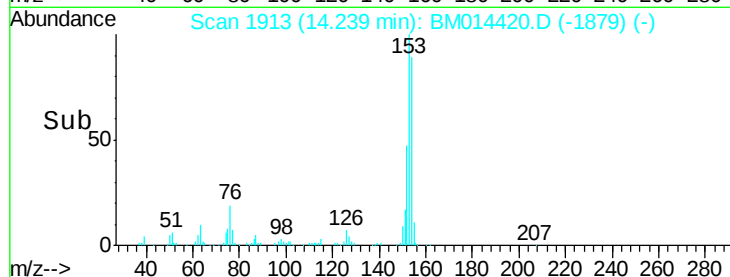
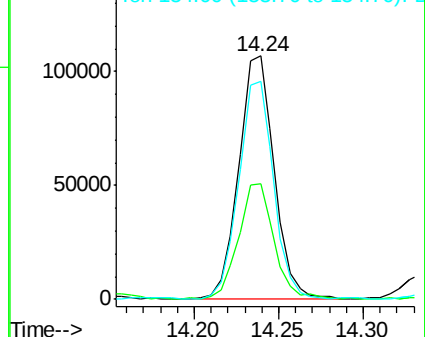
154 89.3 70.4 105.6



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: 5.068 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014420.D

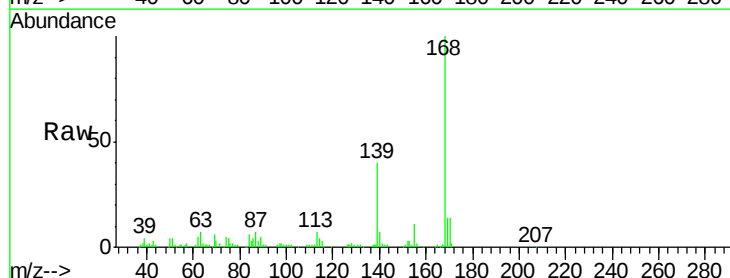
Acq: 01 Mar 2018 02:45

Tgt Ion:168 Resp: 160742

Ion Ratio Lower Upper

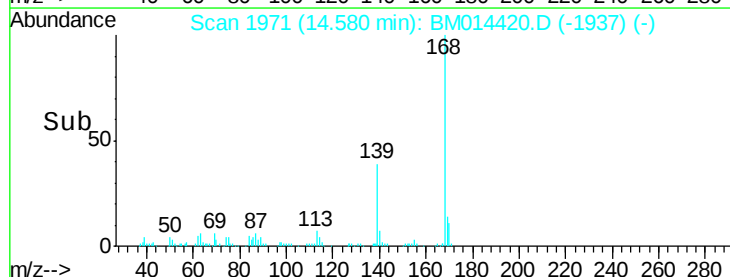
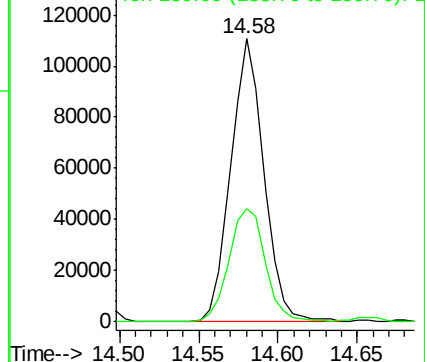
168 100

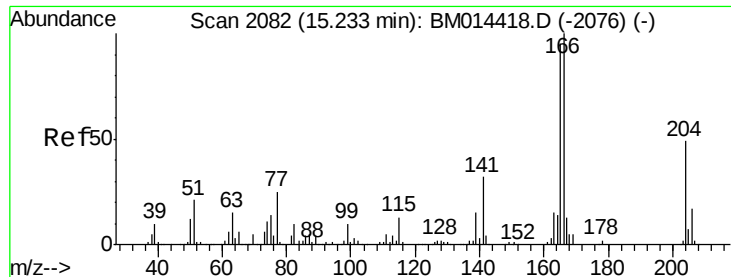
139 40.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.337 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

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ClientSampleId :

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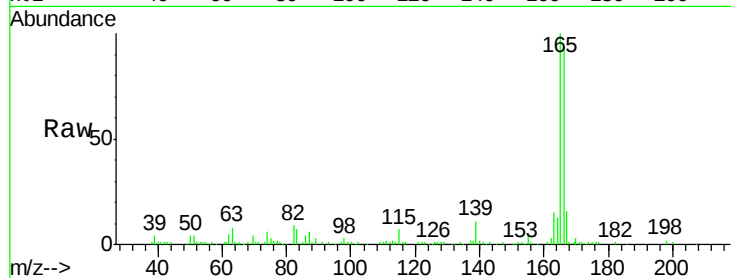
Tot Ion:166 Resp: 173509

Ion Ratio Lower Upper

166 100

165 106.2 77.9 116.9

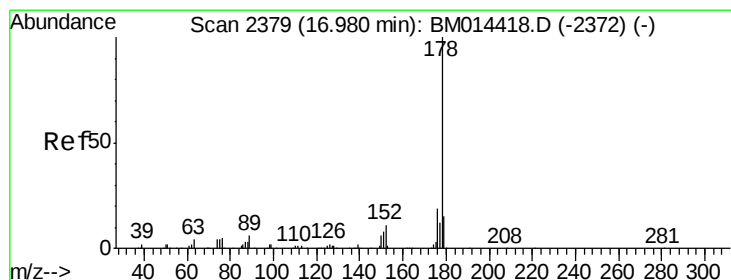
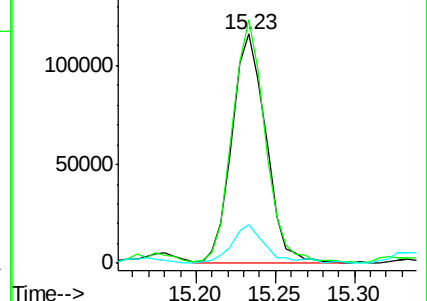
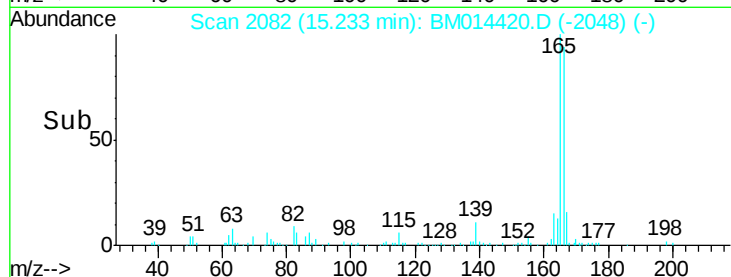
167 16.9 10.6 16.0#



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: 101.780 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

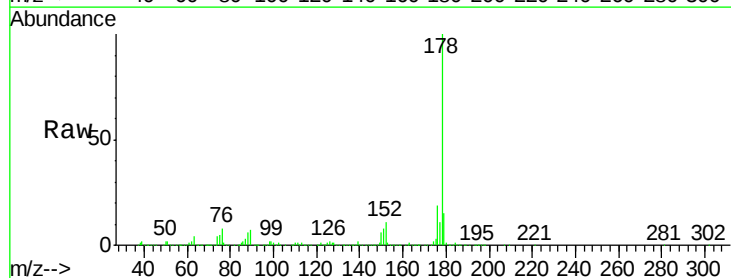
Tgt Ion:178 Resp: 4351631

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

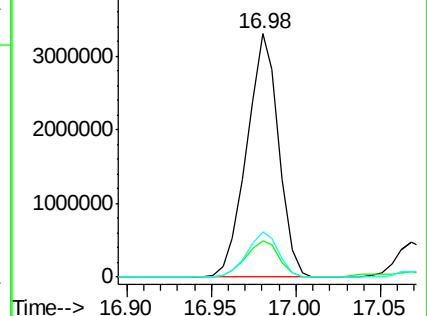
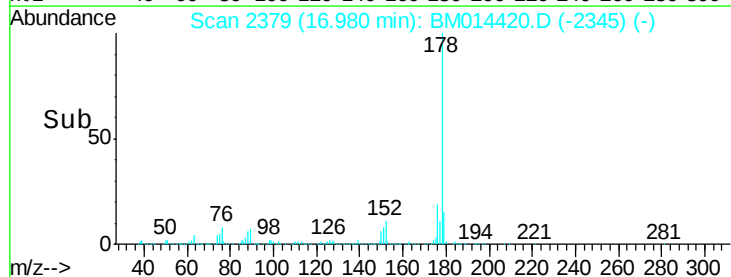
176 18.6 14.9 22.3

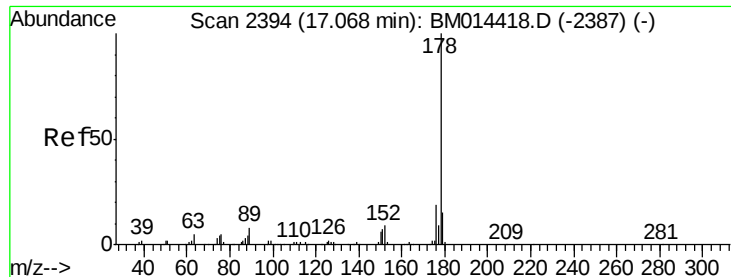


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 14.970 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BM014420.D

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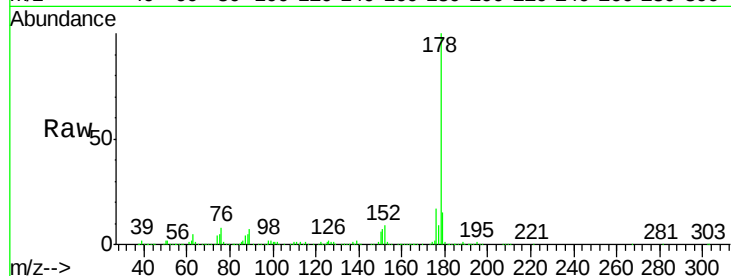
Tot Ion:178 Resp: 643691

Ion Ratio Lower Upper

178 100

179 14.8 11.7 17.5

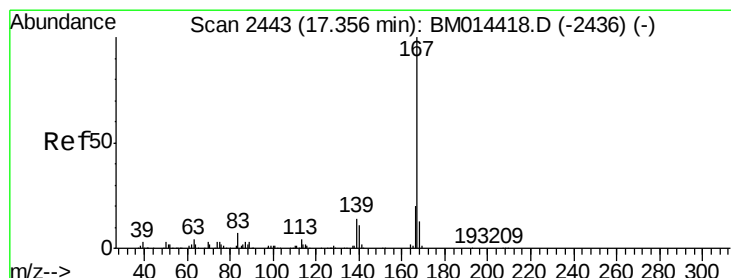
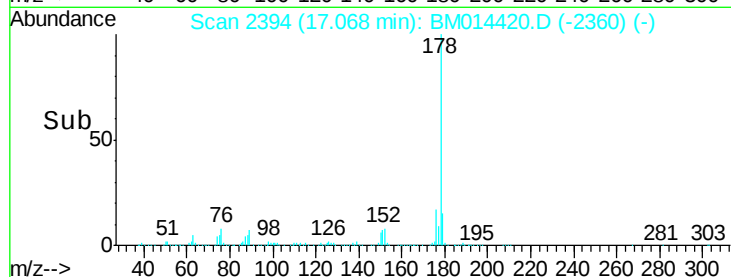
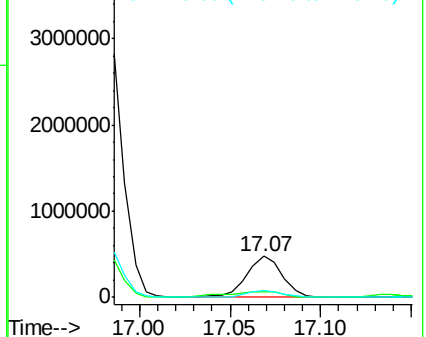
176 17.3 14.6 21.8



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: 7.094 ng/ul

RT: 17.35 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

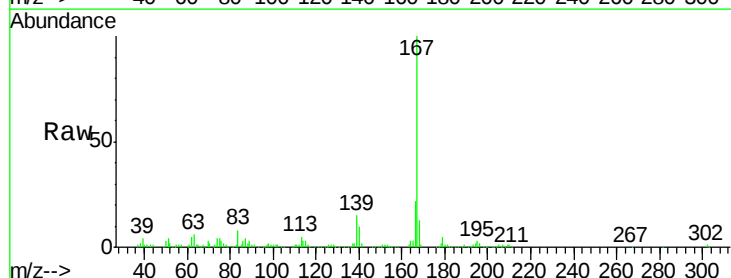
Tgt Ion:167 Resp: 256505

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

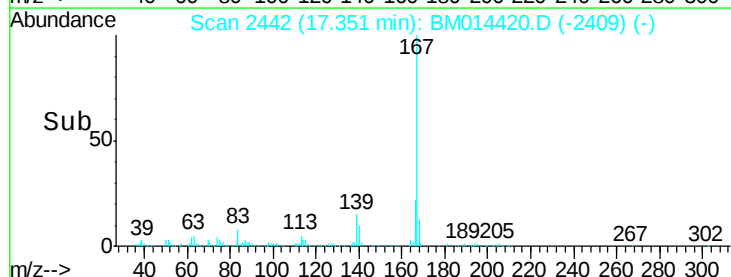
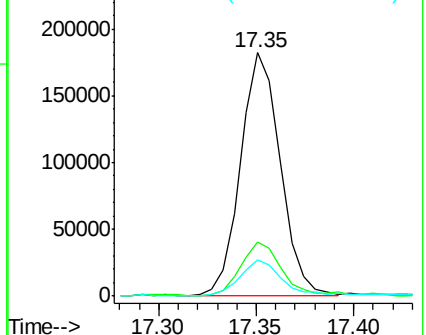
139 14.8 10.0 15.0

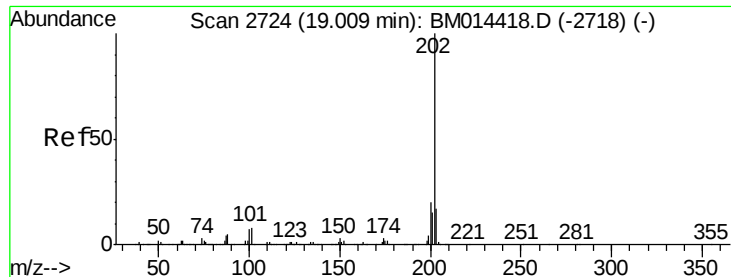


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 119.366 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

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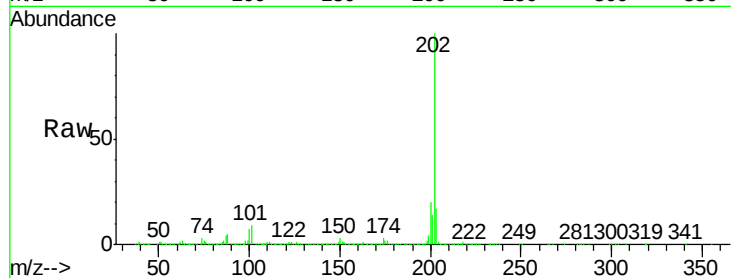
Tot Ion:202 Resp: 6097322

Ion Ratio Lower Upper

202 100

101 9.0 4.6 7.0#

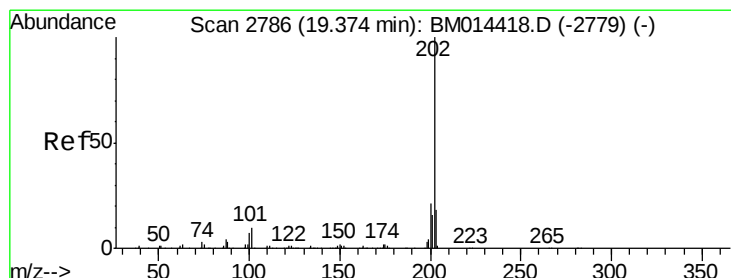
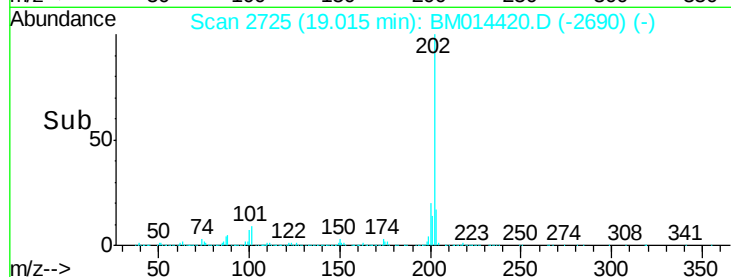
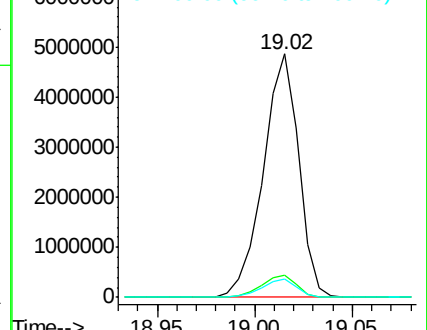
100 7.4 3.4 5.2#



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: 96.406 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

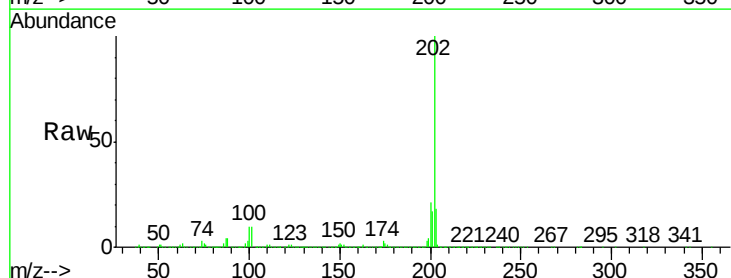
Tgt Ion:202 Resp: 5581972

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

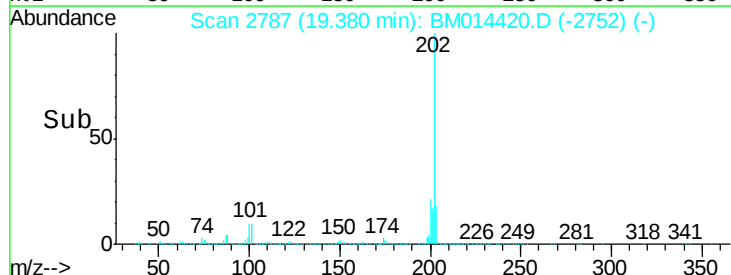
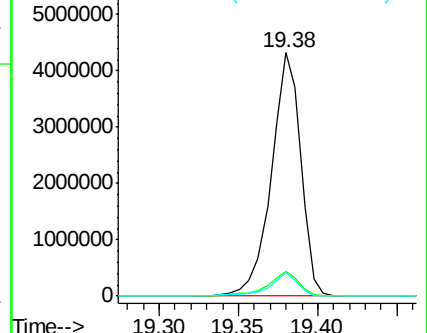
100 9.5 4.9 7.3#

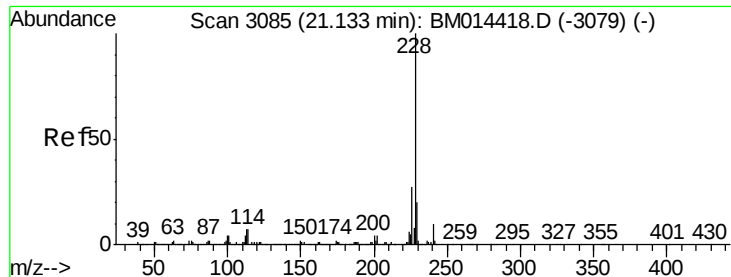


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 45.598 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampleId :

BE5X3

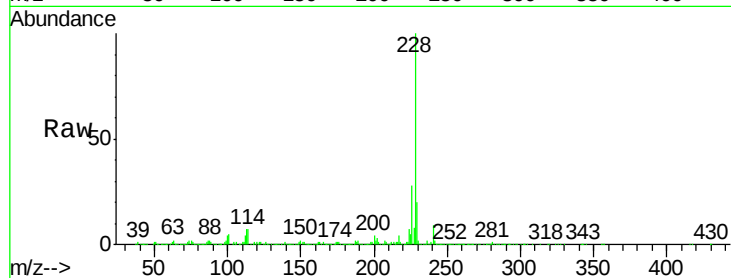
Tot Ion:228 Resp: 2479387

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	28.0	21.4	32.0

228 100

229 20.4 15.4 23.0

226 28.0 21.4 32.0

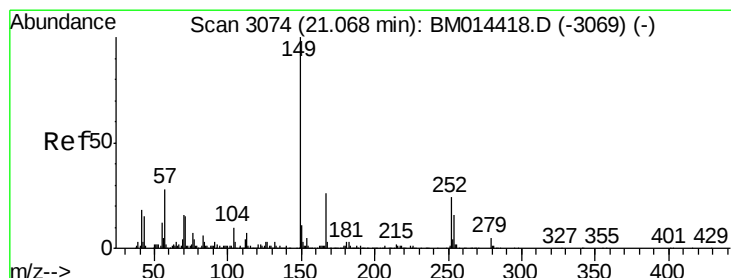
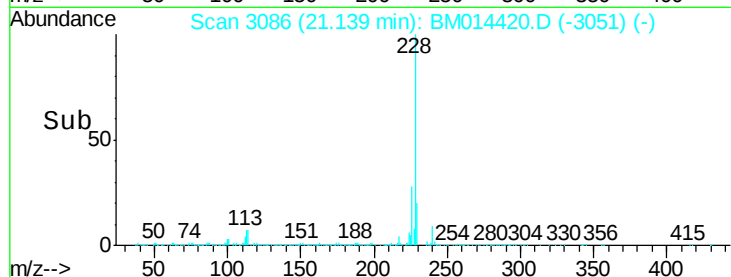
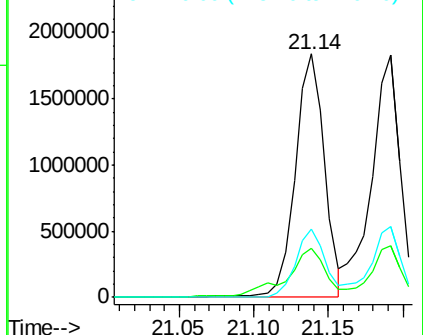


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.149 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

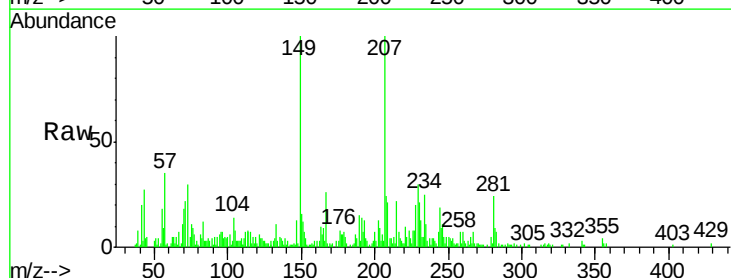
Tgt Ion:149 Resp: 39382

Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.8	34.2
279	5.1	4.9	7.3

149 100

167 25.8 22.8 34.2

279 5.1 4.9 7.3

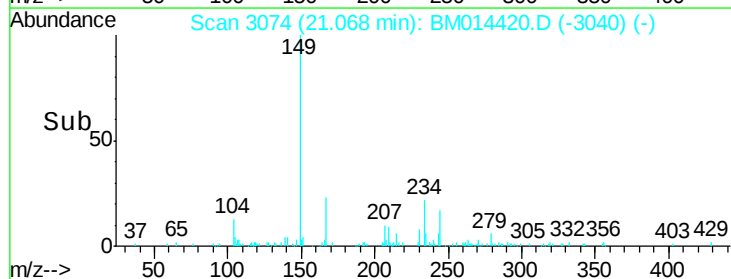
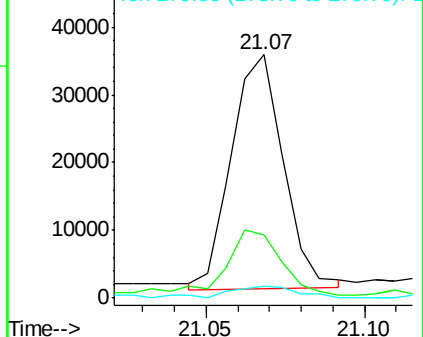


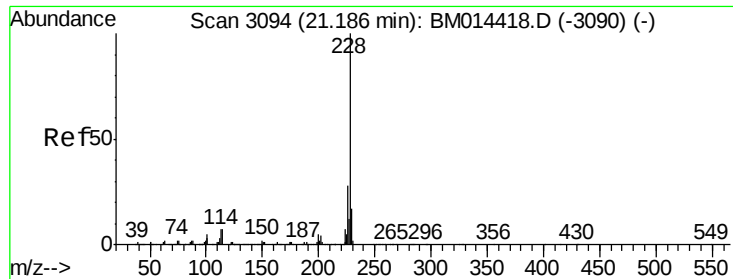
Abundance

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





#82

Chrysene

Concen: 46.874 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

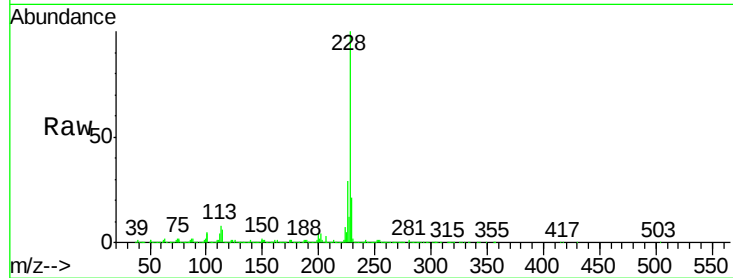
BNA_M

ClientSampled :

BE5X3

Tot Ion:228 Resp: 2377660

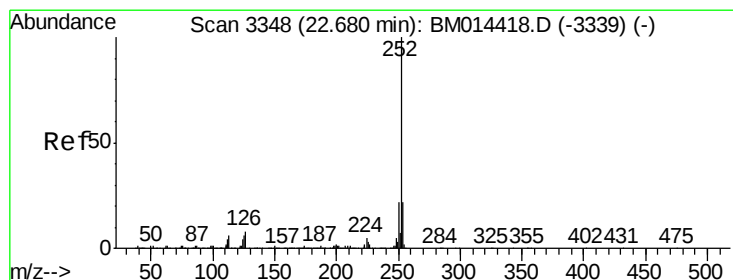
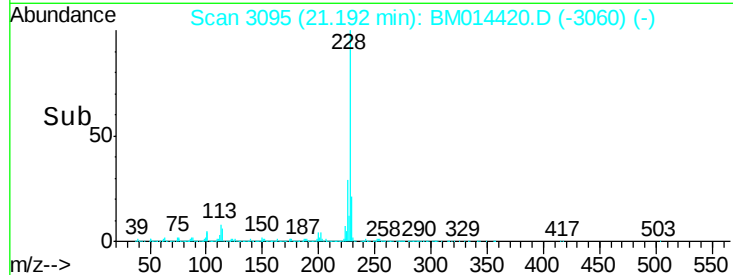
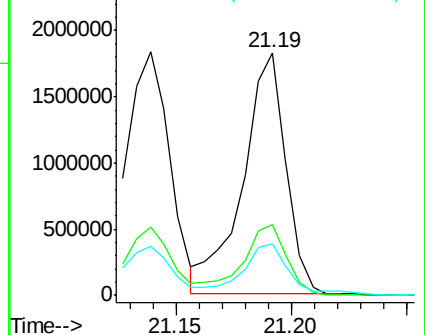
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	21.4	15.5	23.3



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: 47.992 ng/ul

RT: 22.69 min Scan# 3349

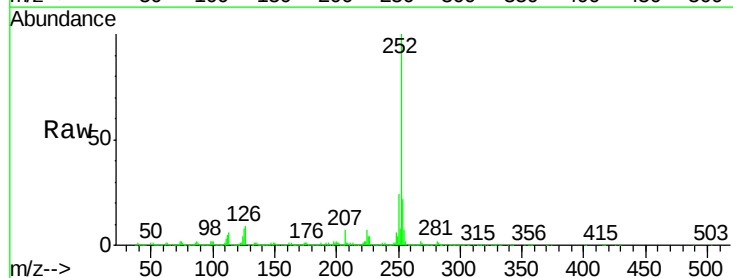
Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Tgt Ion:252 Resp: 2458995

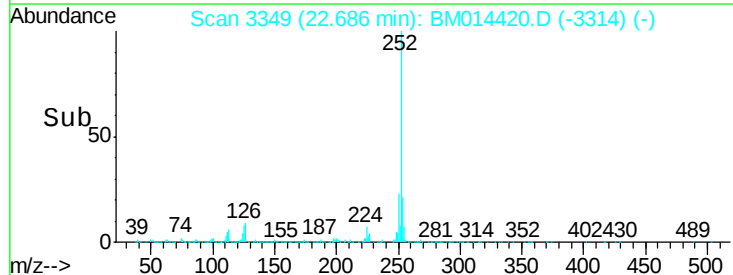
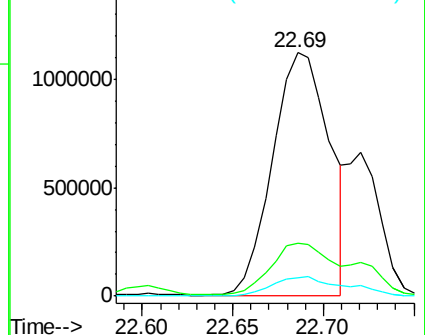
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	7.8	3.6	5.4

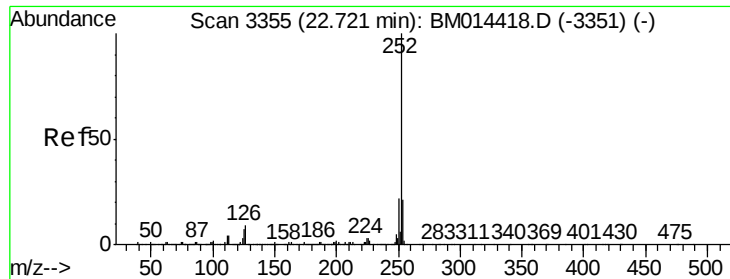


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 50.477 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampleId :

BE5X3

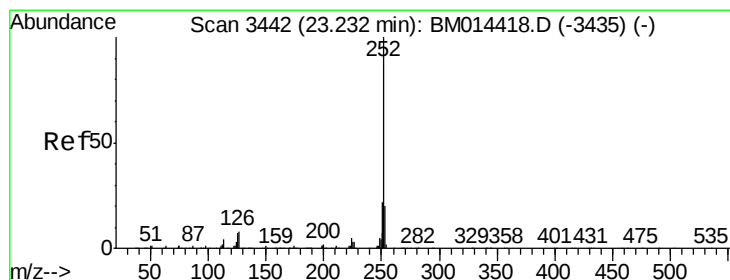
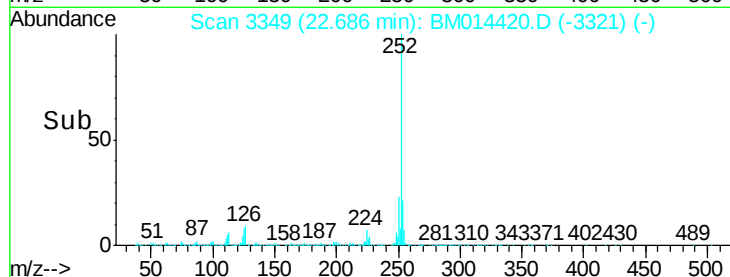
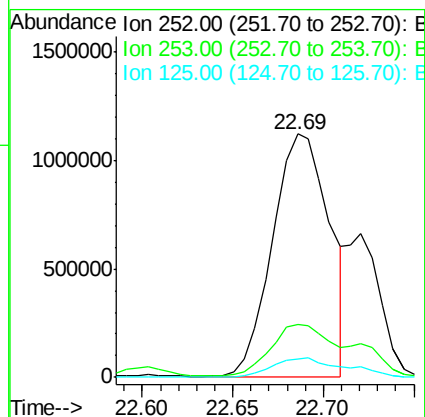
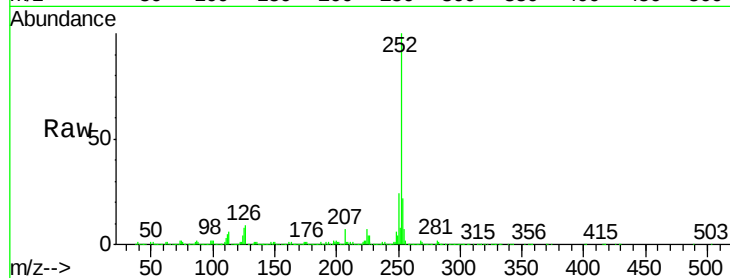
Tot Ion:252 Resp: 2458995

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 7.8 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 38.547 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

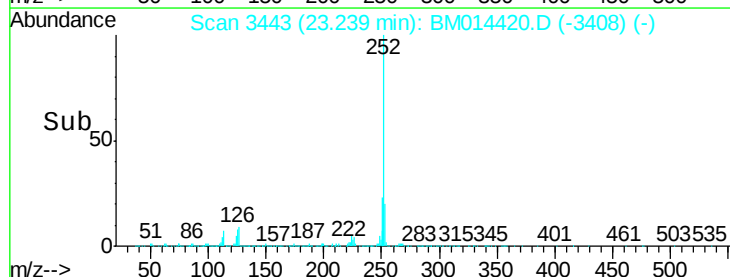
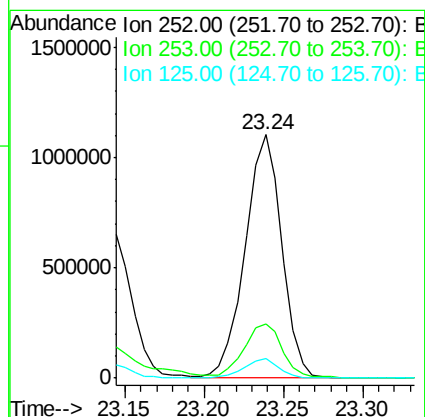
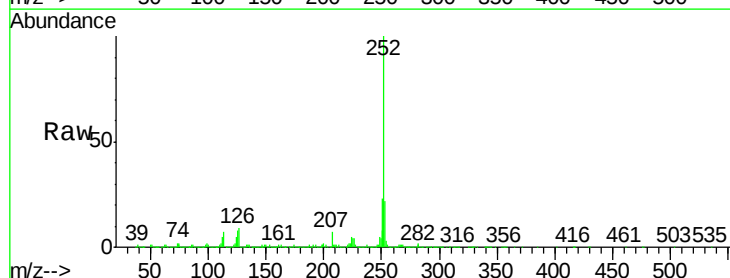
Tgt Ion:252 Resp: 1764933

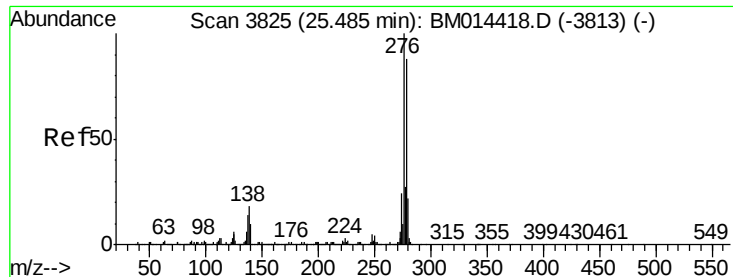
Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

125 7.8 4.0 6.0#



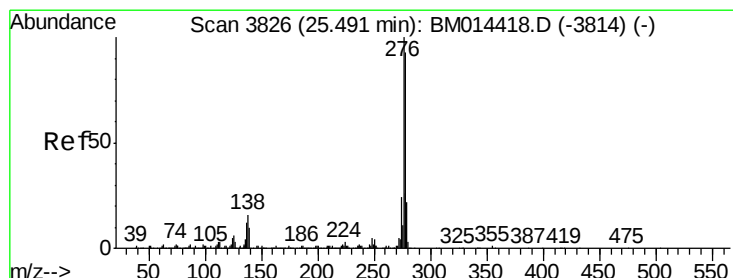
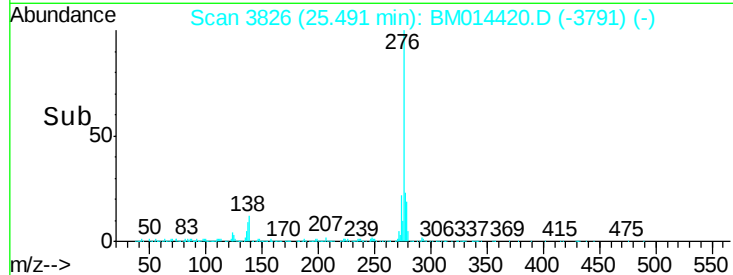
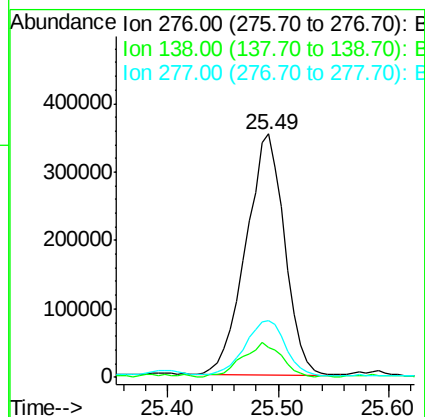
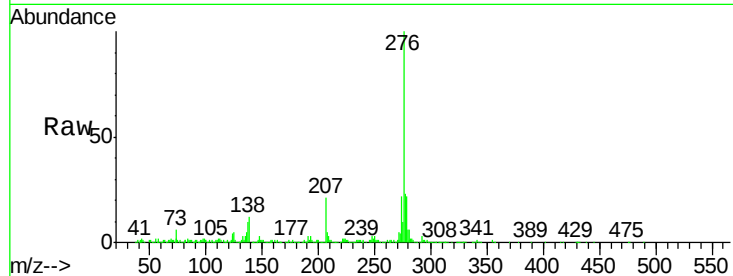


#89

Indeno(1,2,3-cd)pyrene
Concen: 19.608 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Instrument :
BNA_M
ClientSampleId :
BE5X3

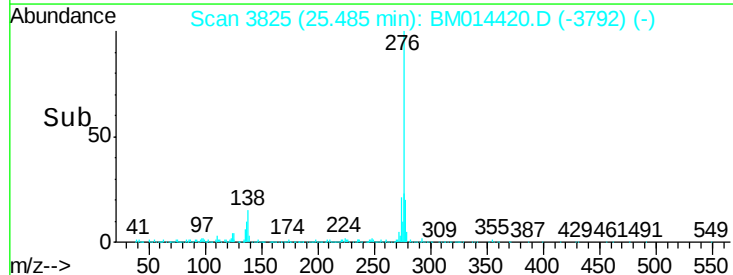
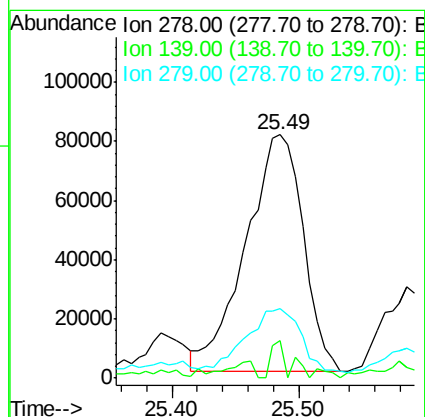
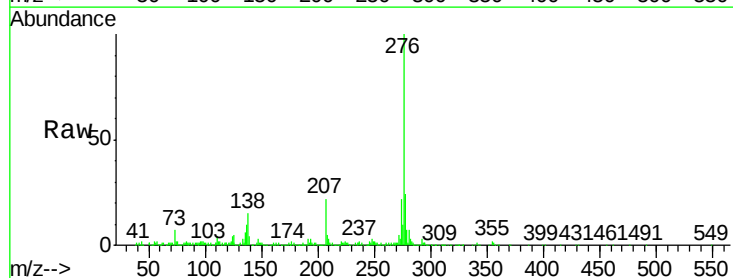
Tot Ion:276 Resp: 871181
Ion Ratio Lower Upper
276 100
138 12.2 9.3 13.9
277 23.4 19.9 29.9

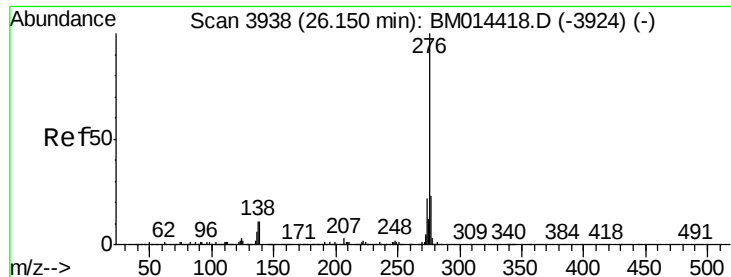


#90

Dibenzo(a,h)anthracene
Concen: 6.873 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. -0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Tgt Ion:278 Resp: 253721
Ion Ratio Lower Upper
278 100
139 15.5 5.8 8.8#
279 28.8 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 18.303 ng/ul

RT: 26.15 min Scan# 3938

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampleId :

BE5X3

Tot Ion:276 Resp: 658761

Ion Ratio Lower Upper

276 100

138 13.2 8.5 12.7#

277 23.5 18.6 28.0

