

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014371.D
 Acq On : 26 Feb 2018 23:59
 Operator : SJ/JU
 Sample : J1631-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:26:31 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	168071	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	751413	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	420451	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	775454	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	534957	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	502318	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.11	96	9795	2.49	ng/uL	0.00
5) Phenol-d5	6.73	99	269847	19.00	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	166700	19.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	230138	21.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	219811	17.68	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	123301	22.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	133774	23.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	267394	22.46	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	187882	16.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	890425	25.64	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1100983	25.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	73619	15.36	ng/ul	0.02
57) Fluorene-d10	15.19	176	726033	23.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	16563	3.56	ng/ul	0.02
70) Anthracene-d10	17.05	188	1002031	26.78	ng/ul	0.00
76) Pyrene-d10	19.36	212	853766	30.94	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	636254	26.03	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.70	77	5838	1.008	ng/ul#	80
6) Phenol	6.75	94	42413	2.845	ng/ul	96
14) Acetophenone	8.36	105	34189	1.594	ng/ul	87
28) Naphthalene	10.35	128	114282	2.961	ng/ul	99
30) 4-Chloroaniline	10.44	127	25543	2.136	ng/ul	89
34) 2-Methylnaphthalene	11.97	142	42152	1.435	ng/ul	91
44) Dimethylphthalate	13.66	163	386555	11.290	ng/ul#	98
47) Acenaphthylene	13.90	152	149706	3.699	ng/ul	97
49) Acenaphthene	14.25	153	63554	2.230	ng/ul	97
53) Dibenzofuran	14.59	168	78686	1.842	ng/ul	91
58) Fluorene	15.25	166	92410	2.505	ng/ul	95
69) Phenanthrene	16.99	178	2000452	44.774	ng/ul	99
71) Anthracene	16.99	178	2000452	44.521	ng/ul	98
72) Carbazole	17.36	167	159059	4.210	ng/ul#	93
74) Fluoranthene	19.02	202	3043251	57.012	ng/ul#	93
77) Pyrene	19.39	202	2724283	76.629	ng/ul#	91
78) Butylbenzylphthalate	20.30	149	17231	1.172	ng/ul#	65
80) Benzo(a)anthracene	21.14	228	1165844	34.919	ng/ul	95
82) Chrysene	21.20	228	1178090	37.825	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	1464865	43.553	ng/ul#	97
86) Benzo(k)fluoranthene	22.70	252	1464865	45.808	ng/ul#	95
88) Benzo(a)pyrene	23.25	252	1039924	34.600	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	700738	24.027	ng/ul	98

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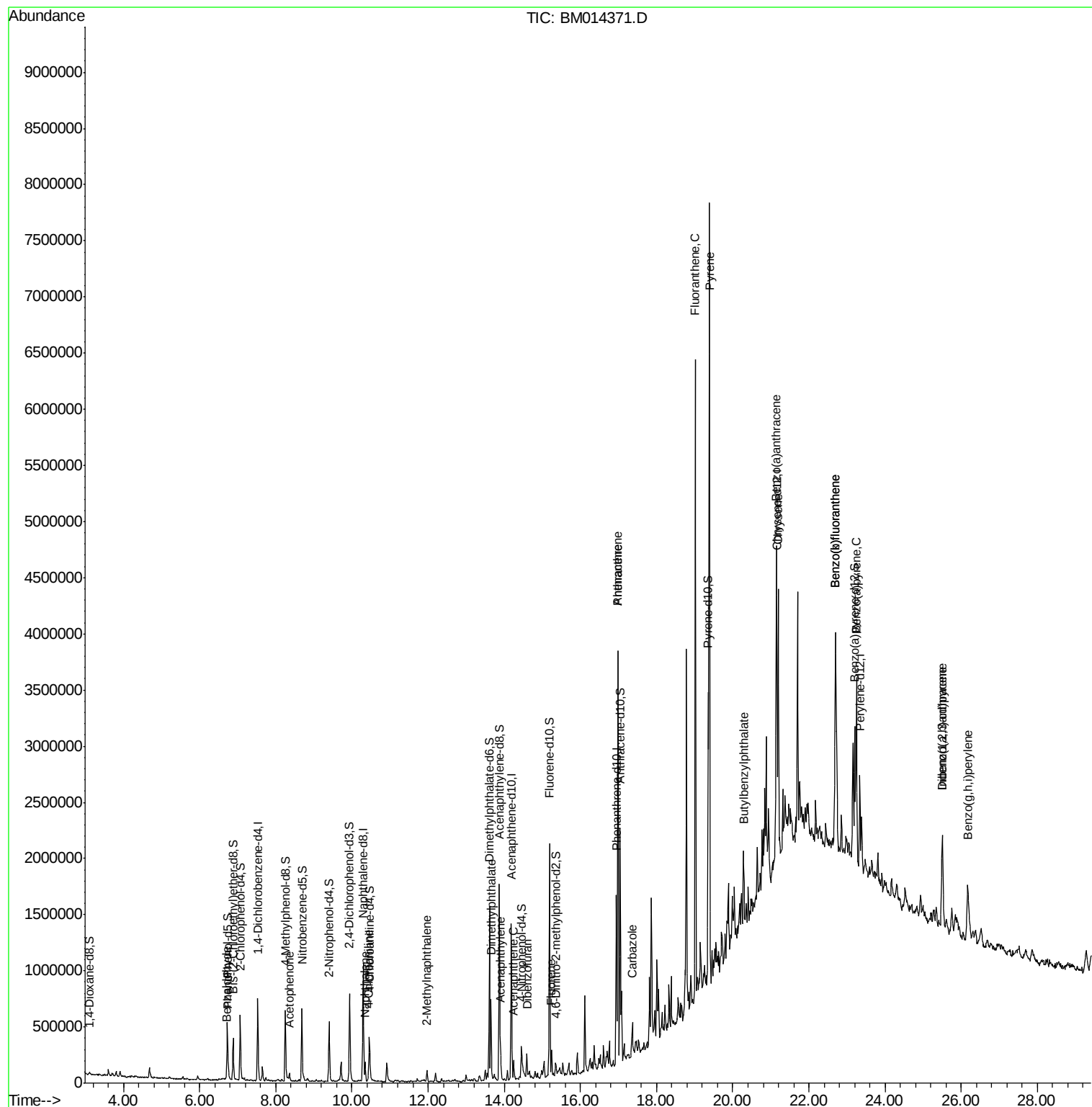
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.50	278	189575	7.823	ng/ul#	85
91) Benzo(q,h,i)perylene	26.17	276	520804	22.043	ng/ul#	97

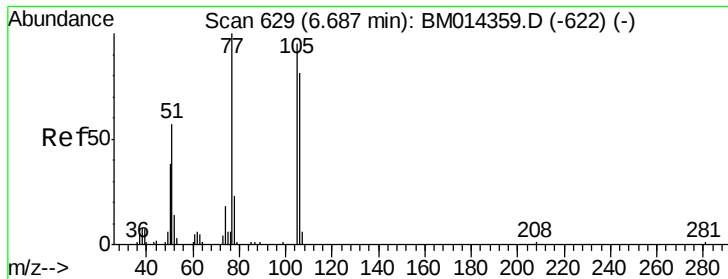
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.008 ng/ul

RT: 6.70 min Scan# 632

Delta R.T. 0.02 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampled :

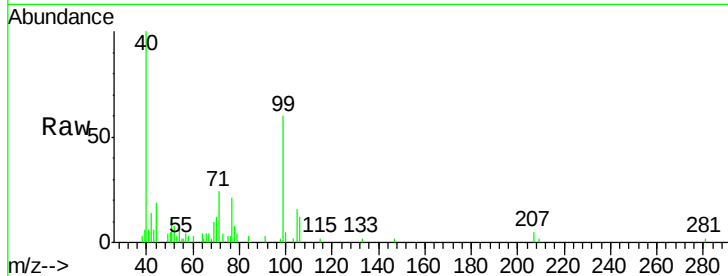
Tot Ion: 77 Resp: 5838

Ion Ratio Lower Upper

77 100

105 77.0 66.1 99.1

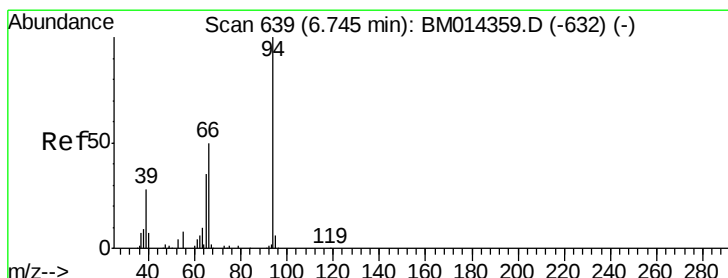
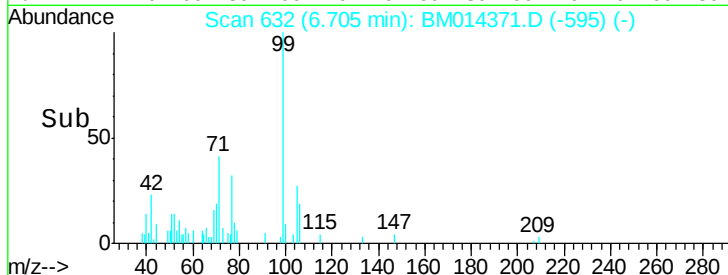
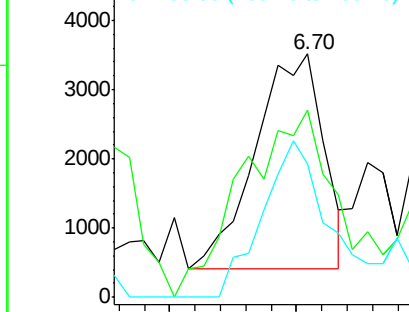
106 55.1 67.8 101.6#



Abundance Ion 77.00 (76.70 to 77.70): BM014359.D (-622) (-)

Ion 105.00 (104.70 to 105.70): BM014359.D (-622) (-)

Ion 106.00 (105.70 to 106.70): BM014359.D (-622) (-)



#6

Phenol

Concen: 2.845 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

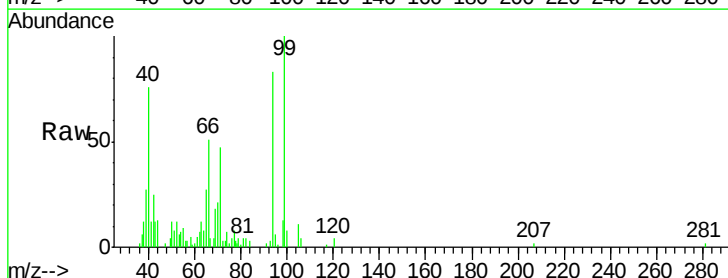
Tgt Ion: 94 Resp: 42413

Ion Ratio Lower Upper

94 100

65 32.5 28.2 42.4

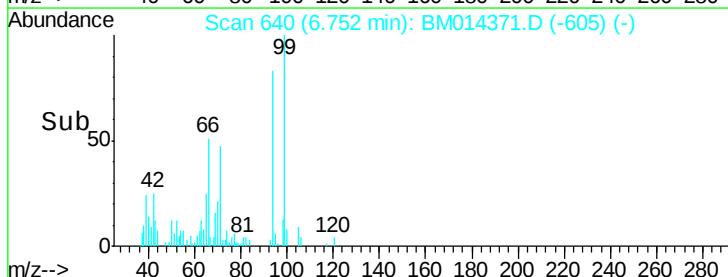
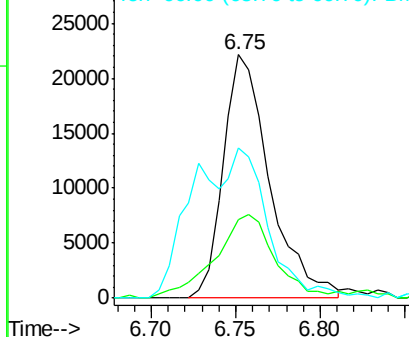
66 61.7 47.2 70.8

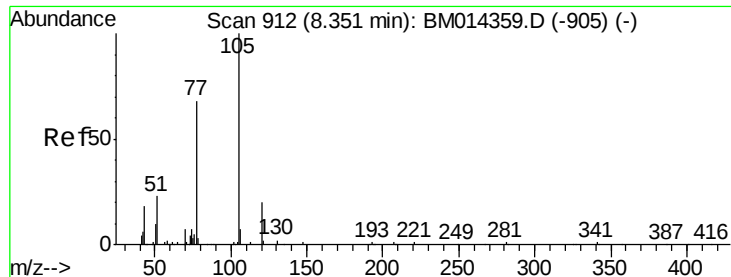


Abundance Ion 94.00 (93.70 to 94.70): BM014359.D (-632) (-)

Ion 65.00 (64.70 to 65.70): BM014359.D (-632) (-)

Ion 66.00 (65.70 to 66.70): BM014359.D (-632) (-)

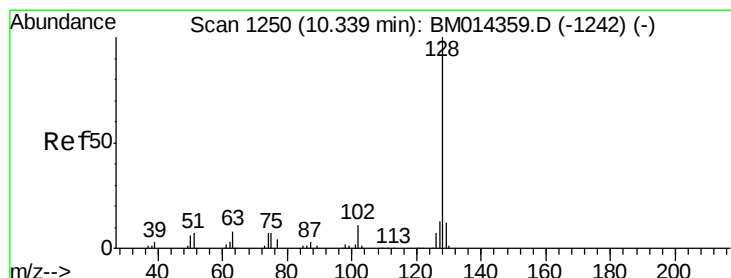
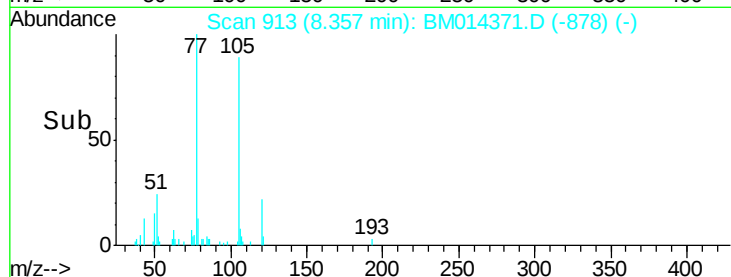
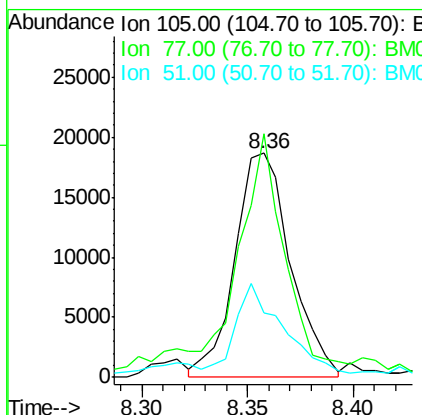
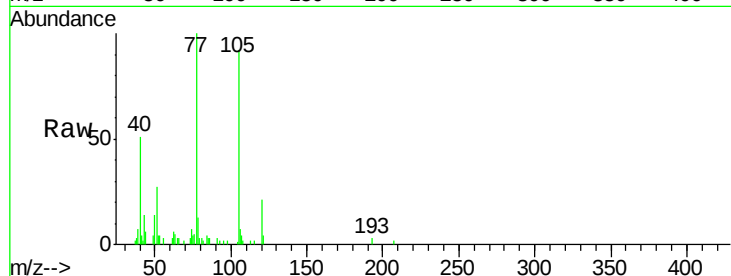




#14
Acetophenone
Concen: 1.594 ng/ul
RT: 8.36 min Scan# 913
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

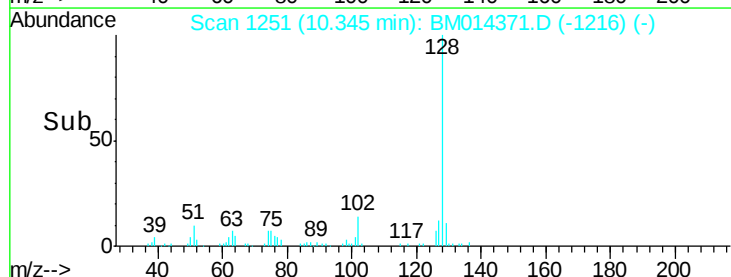
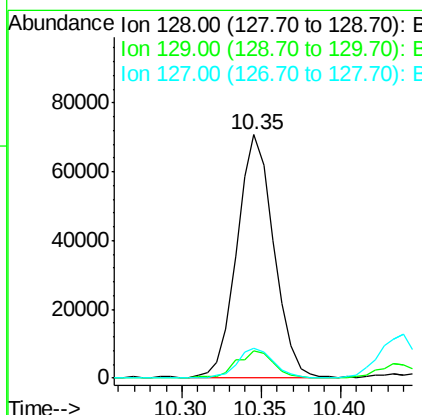
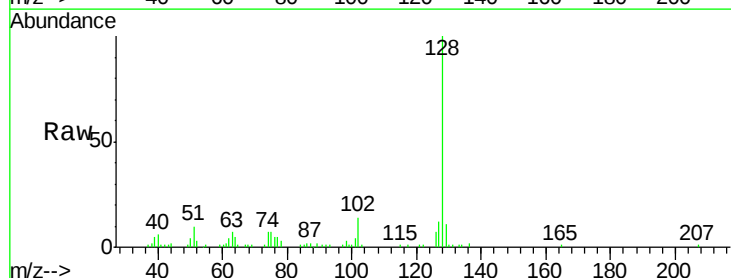
Instrument :
BNA_M
ClientSampled :

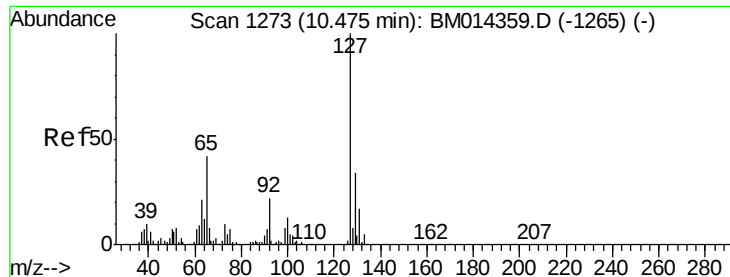
Tot Ion:105 Resp: 34189
Ion Ratio Lower Upper
105 100
77 108.7 74.2 111.4
51 29.0 23.4 35.2



#28
Naphthalene
Concen: 2.961 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion:128 Resp: 114282
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.3 10.6 16.0

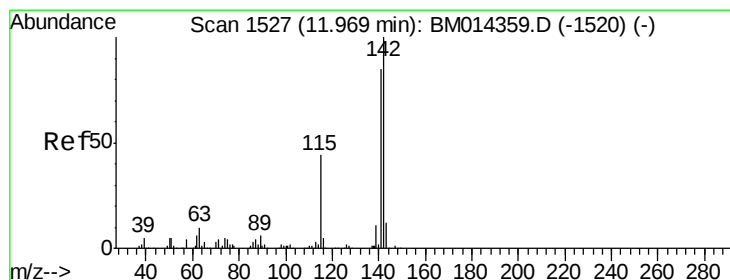
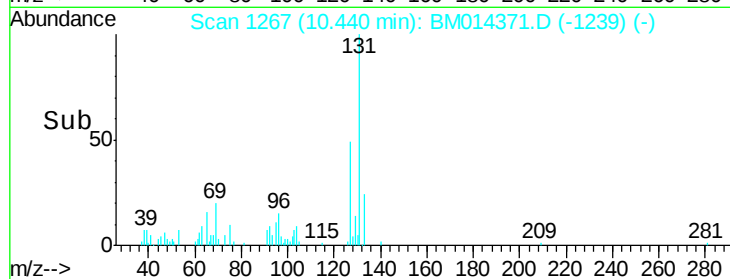
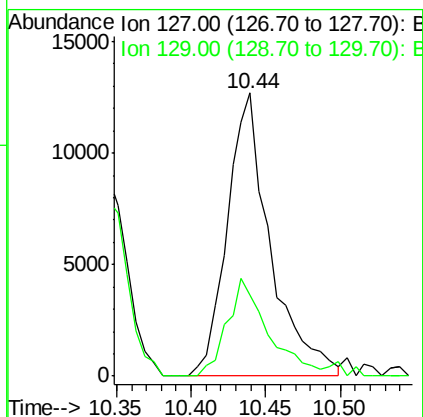
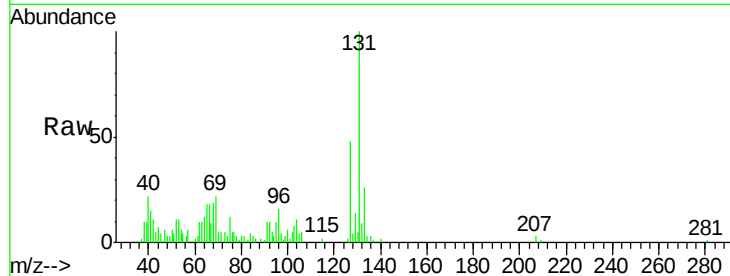




#30
 4-Chloroaniline
 Concen: 2.136 ng/ul
 RT: 10.44 min Scan# 1267
 Delta R.T. -0.04 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

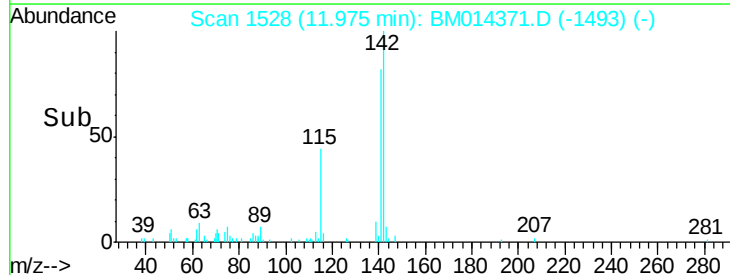
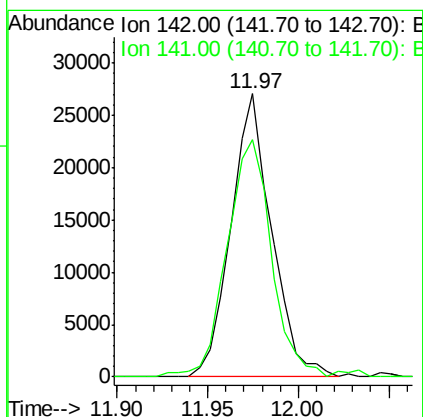
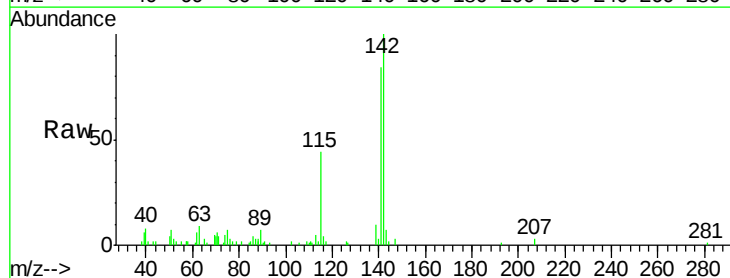
Instrument :
 BNA_M
 ClientSampleId :

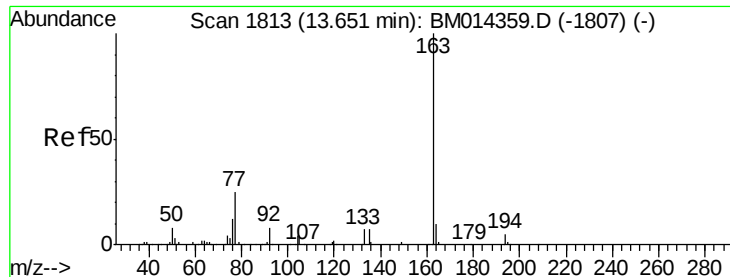
Tot Ion:127 Resp: 25543
 Ion Ratio Lower Upper
 127 100
 129 28.8 28.4 42.6



#34
 2-Methylnaphthalene
 Concen: 1.435 ng/ul
 RT: 11.97 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

Tgt Ion:142 Resp: 42152
 Ion Ratio Lower Upper
 142 100
 141 84.0 74.1 111.1

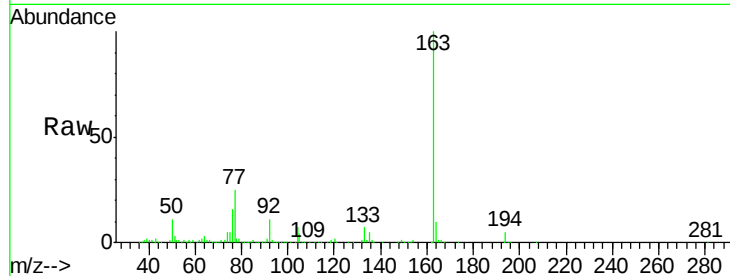




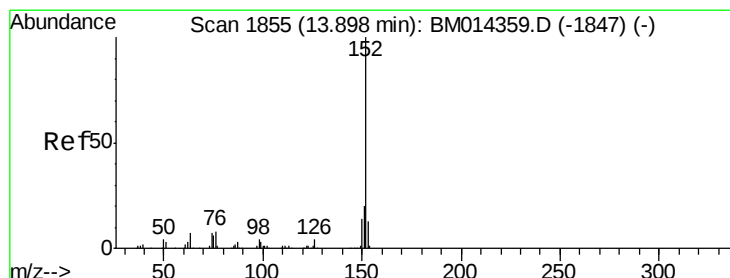
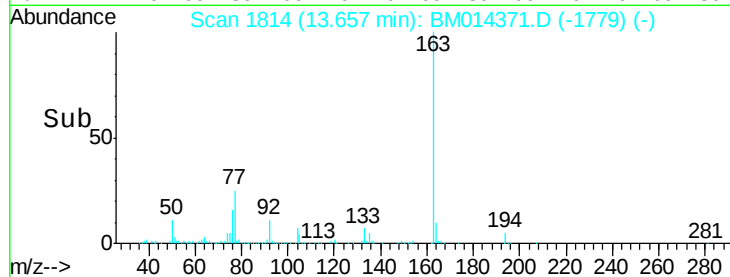
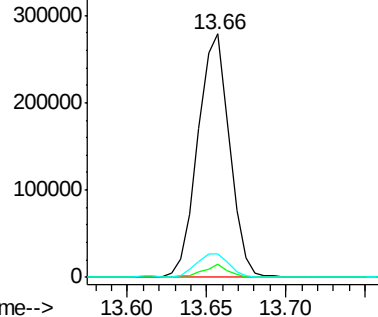
#44
Dimethylphthalate
Concen: 11.290 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 386555
Ion Ratio Lower Upper
163 100
194 5.3 3.5 5.3#
164 9.8 8.2 12.4

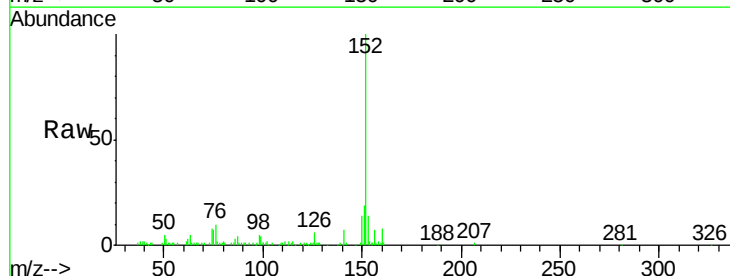


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

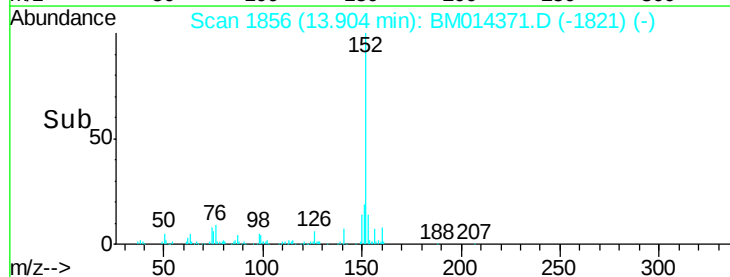
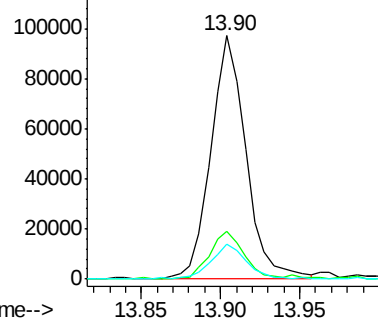


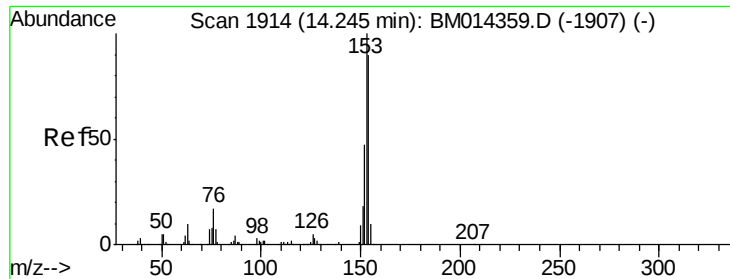
#47
Acenaphthylene
Concen: 3.699 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion:152 Resp: 149706
Ion Ratio Lower Upper
152 100
151 19.4 16.3 24.5
153 14.1 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: 2.230 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampleId :

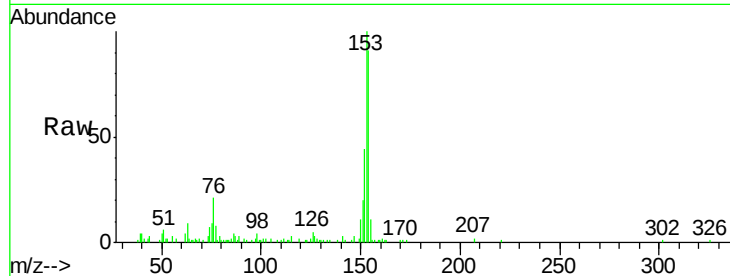
Tot Ion:153 Resp: 63554

Ion Ratio Lower Upper

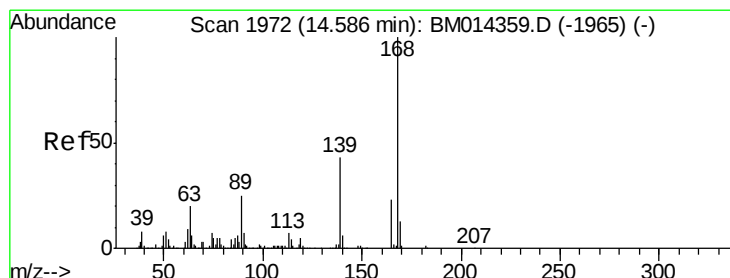
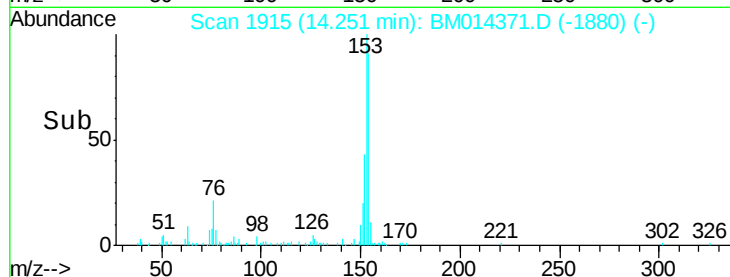
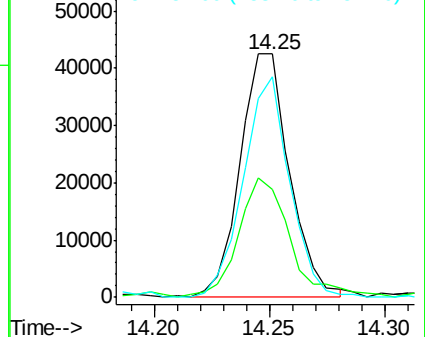
153 100

152 44.4 37.6 56.4

154 90.7 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: 1.842 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014371.D

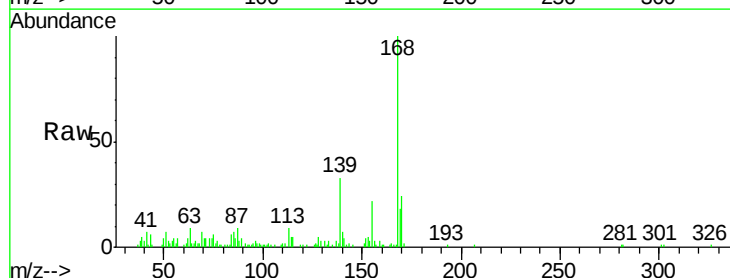
Acq: 26 Feb 2018 23:59

Tgt Ion:168 Resp: 78686

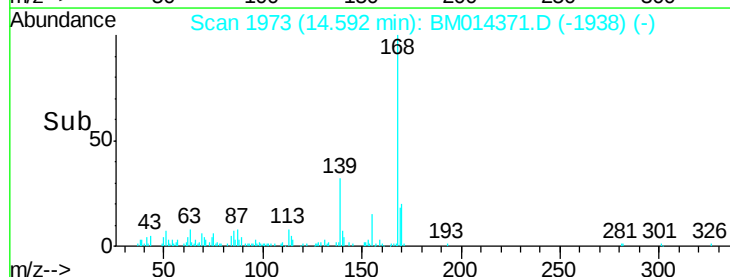
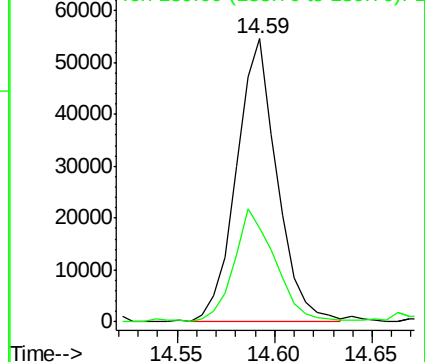
Ion Ratio Lower Upper

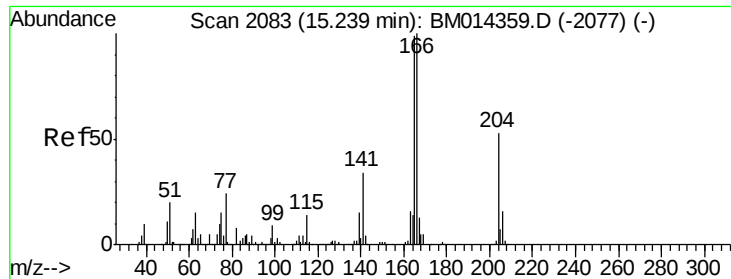
168 100

139 33.2 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: 2.505 ng/ul

RT: 15.25 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014371.D

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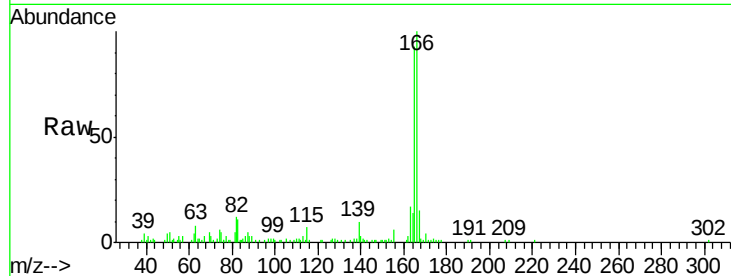
Tot Ion:166 Resp: 92410

Ion Ratio Lower Upper

166 100

165 92.9 77.9 116.9

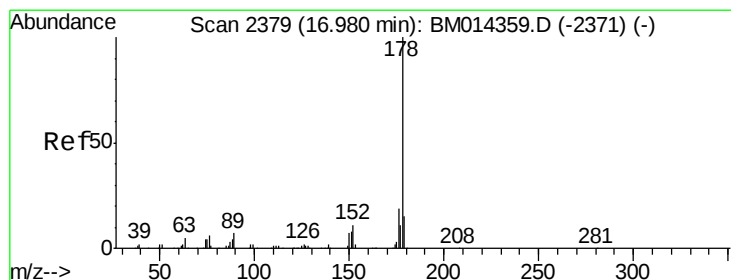
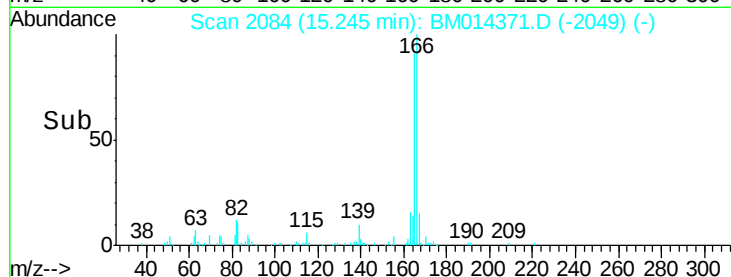
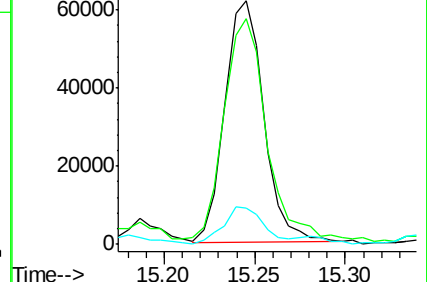
167 15.1 10.6 16.0



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: 44.774 ng/ul

RT: 16.99 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

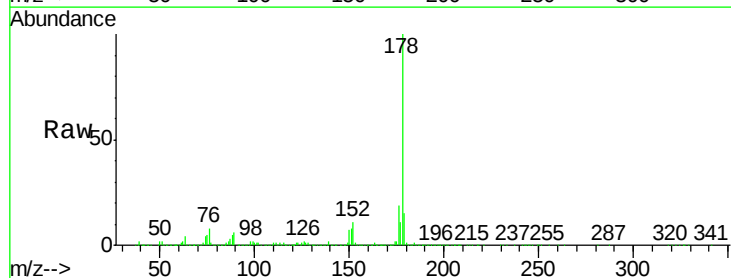
Tgt Ion:178 Resp: 2000452

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

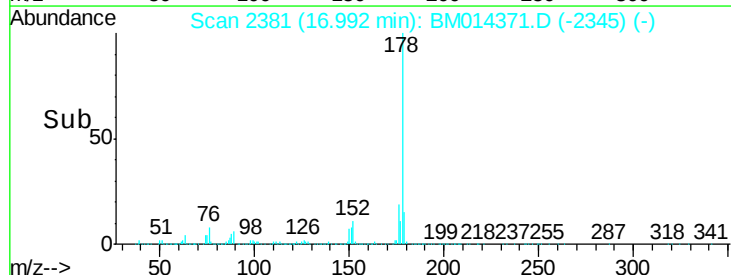
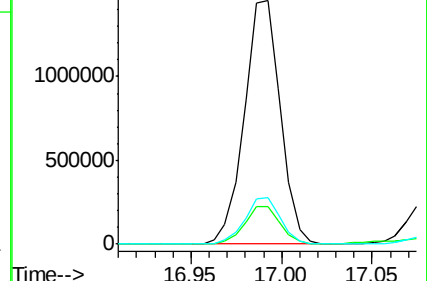
176 19.1 14.9 22.3

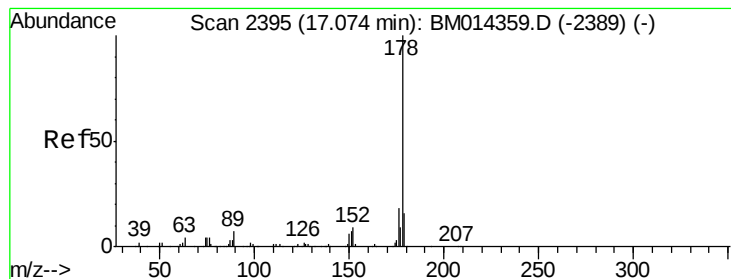


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 44.521 ng/ul

RT: 16.99 min Scan# 2381

Delta R.T. -0.08 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampleId :

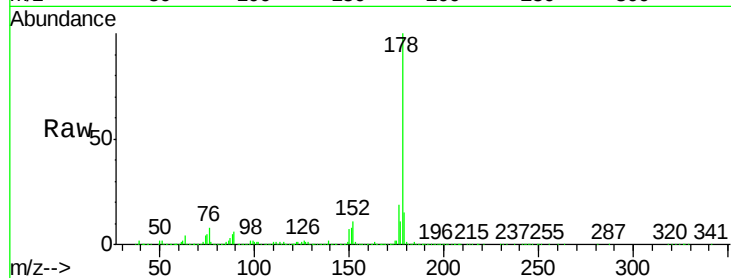
Tot Ion:178 Resp: 2000452

Ion Ratio Lower Upper

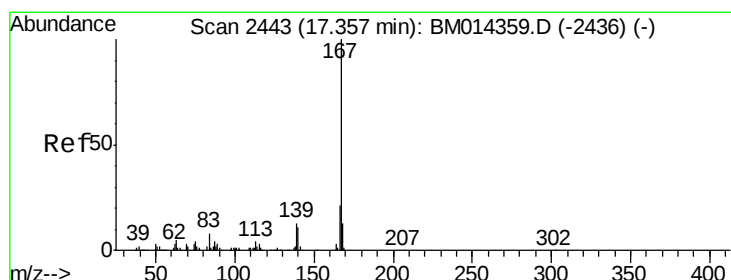
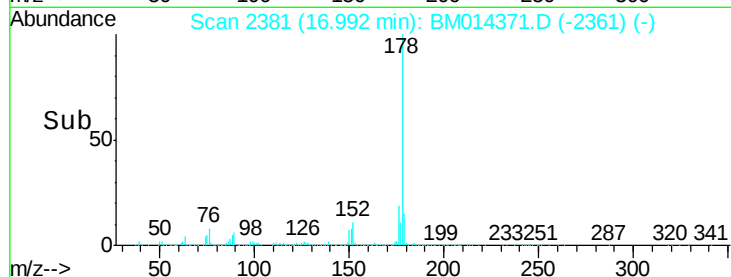
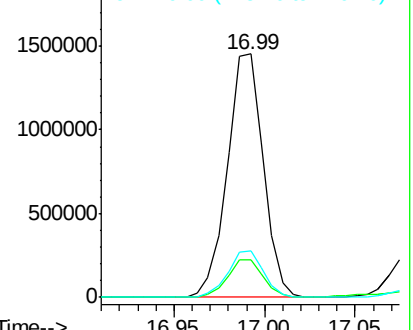
178 100

179 15.3 11.7 17.5

176 19.1 14.6 21.8



Abundance Ion 178.00 (177.70 to 178.70): E
2000000
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 4.210 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

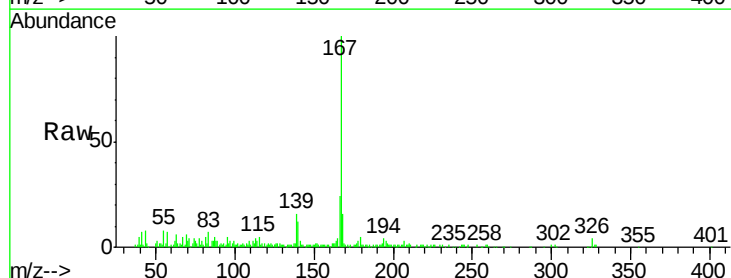
Tgt Ion:167 Resp: 159059

Ion Ratio Lower Upper

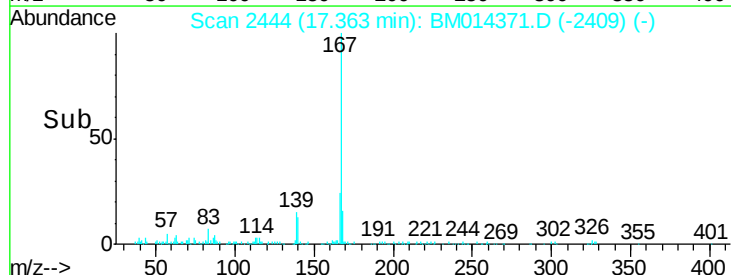
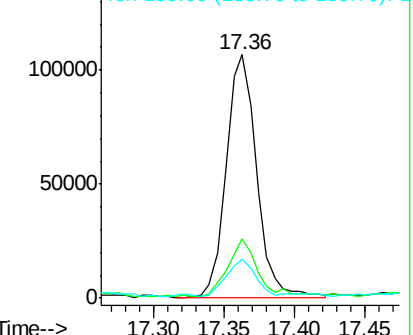
167 100

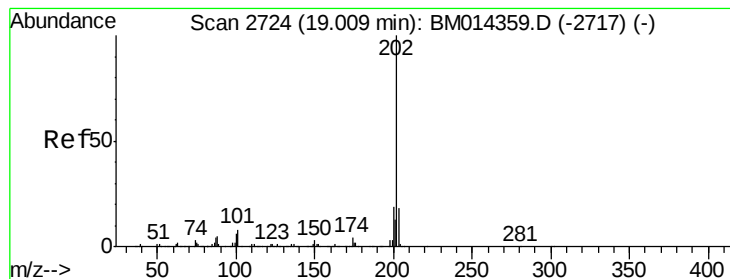
166 24.4 17.1 25.7

139 16.1 10.0 15.0#



Abundance Ion 167.00 (166.70 to 167.70): E
100000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 57.012 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampleId :

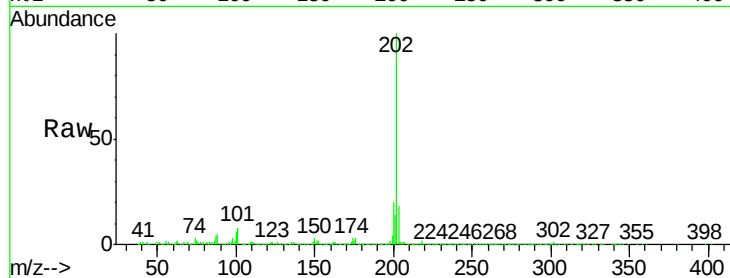
Tot Ion:202 Resp: 3043251

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

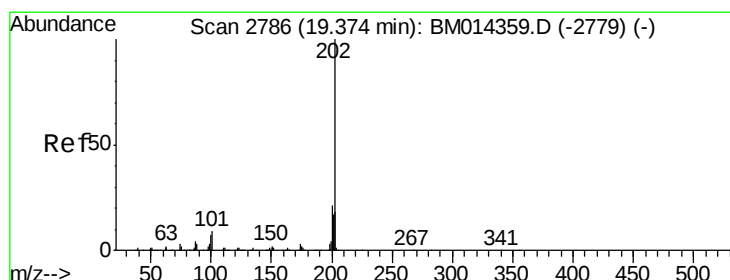
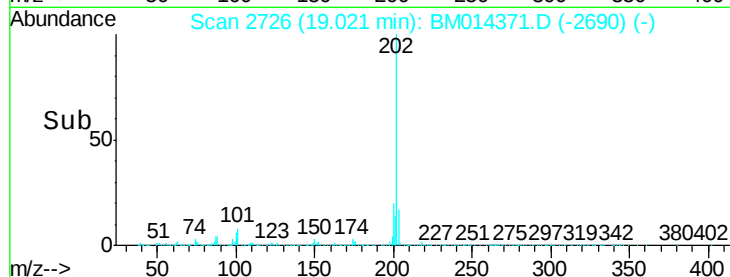
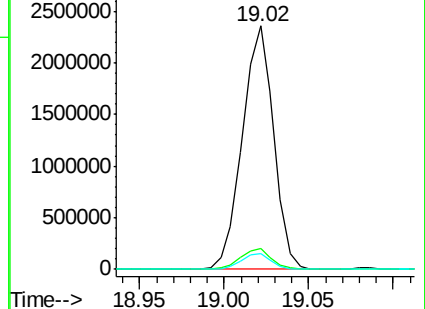
100 6.3 3.4 5.2#



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: 76.629 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

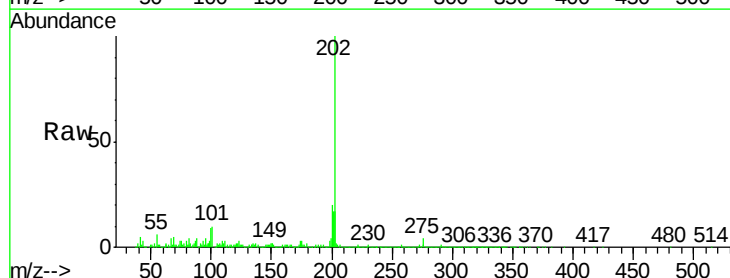
Tgt Ion:202 Resp: 2724283

Ion Ratio Lower Upper

202 100

101 9.8 5.1 7.7#

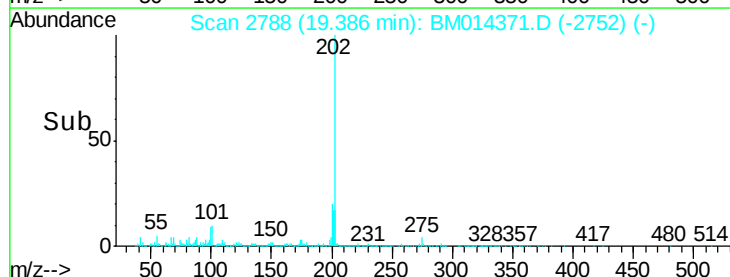
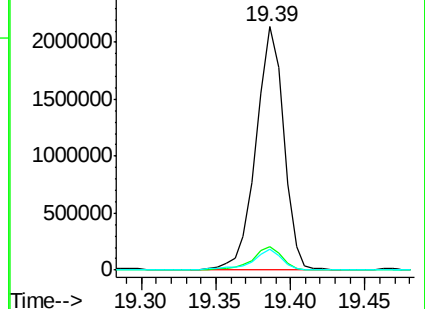
100 8.6 4.9 7.3#

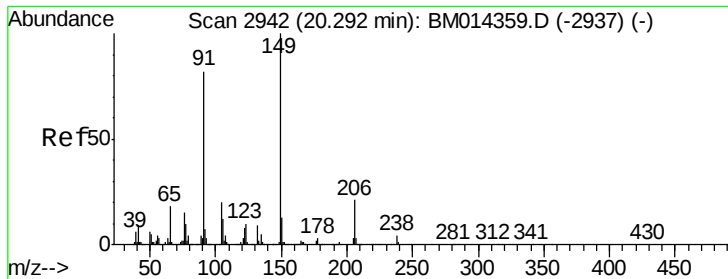


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

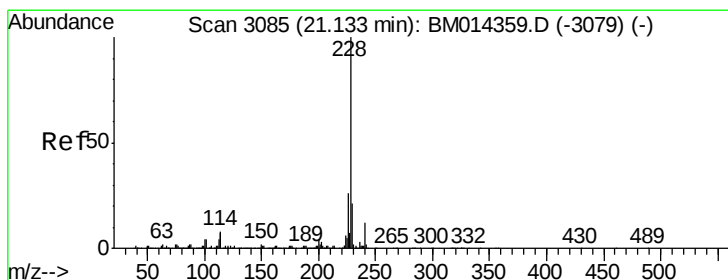
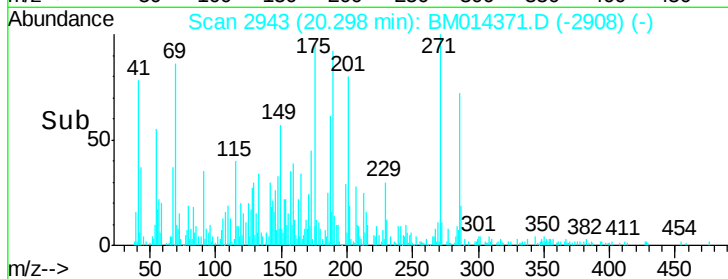
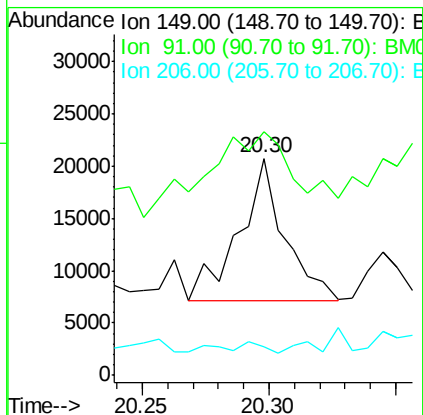
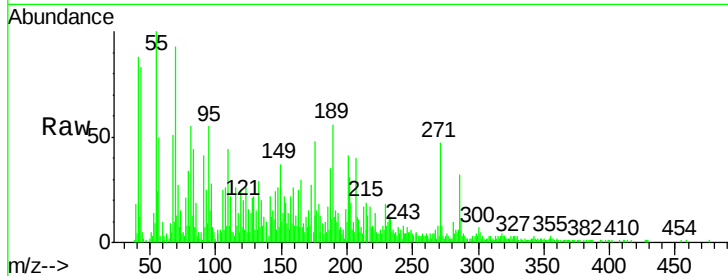




#78
 Butylbenzylphthalate
 Concen: 1.172 ng/ul
 RT: 20.30 min Scan# 2943
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

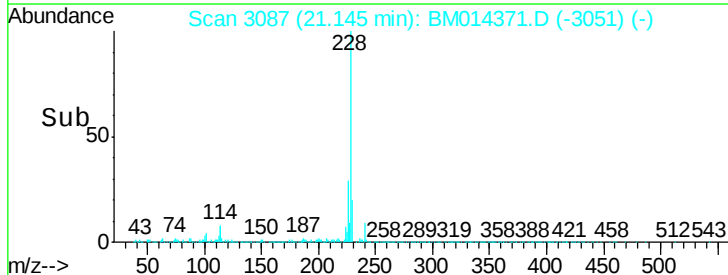
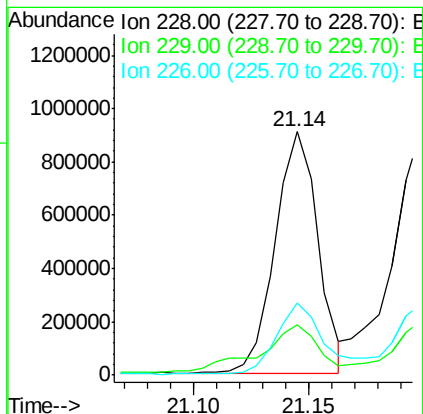
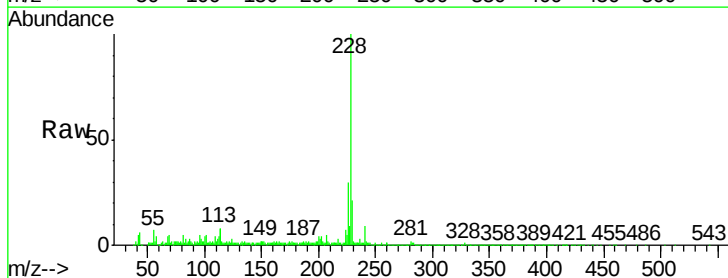
Instrument :
 BNA_M
 ClientSampled :

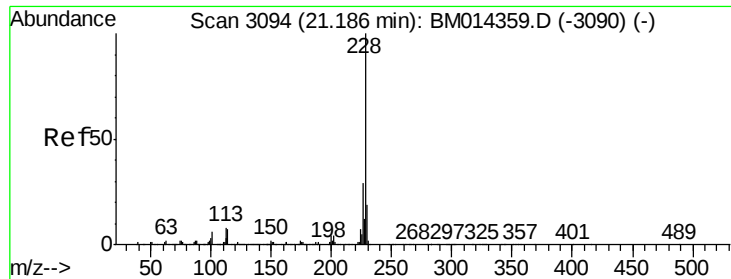
Tot Ion:149 Resp: 17231
 Ion Ratio Lower Upper
 149 100
 91 112.2 62.7 94.1#
 206 13.2 20.8 31.2#



#80
 Benzo(a)anthracene
 Concen: 34.919 ng/ul
 RT: 21.14 min Scan# 3087
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

Tgt Ion:228 Resp: 1165844
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.4 23.0
 226 29.9 21.4 32.0





#82

Chrysene

Concen: 37.825 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

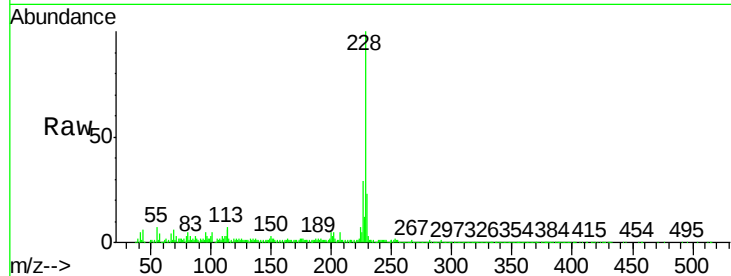
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1178090

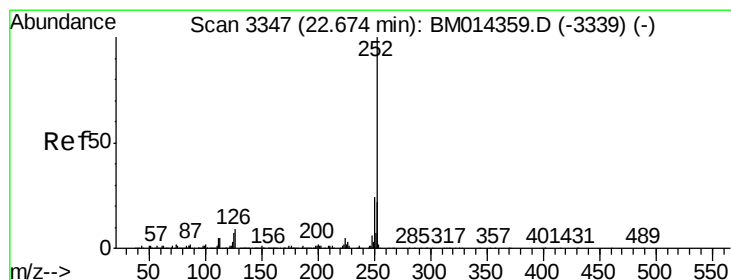
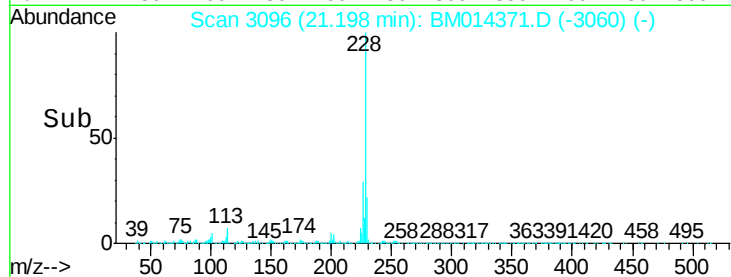
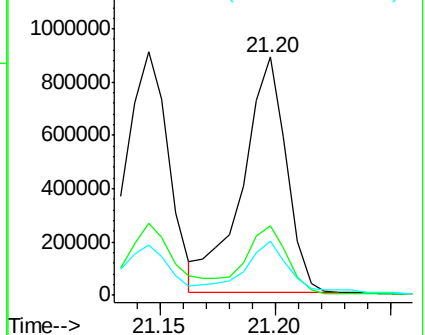
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	22.5	15.5	23.3



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: 43.553 ng/ul

RT: 22.70 min Scan# 3351

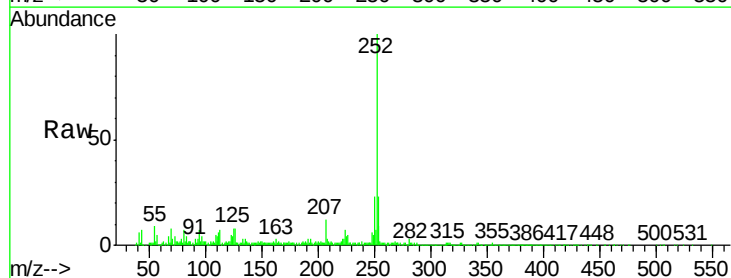
Delta R.T. 0.02 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Tgt Ion:252 Resp: 1464865

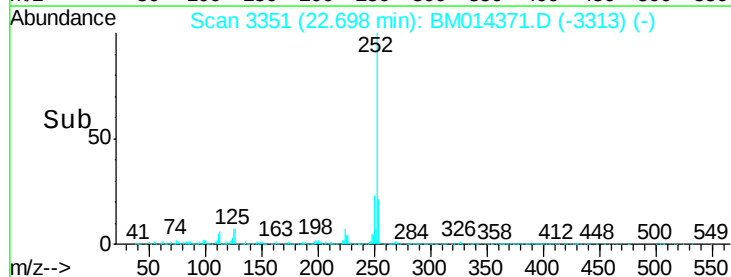
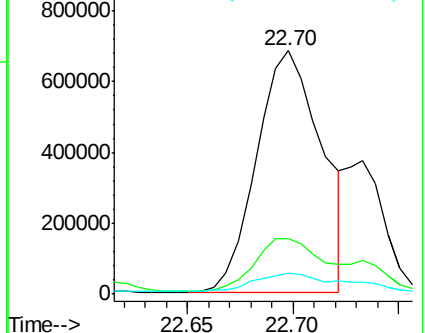
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	8.3	3.6	5.4

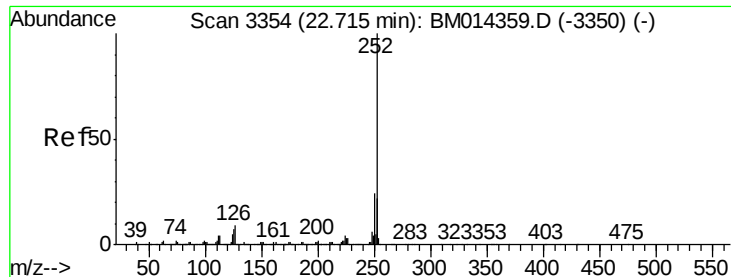


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

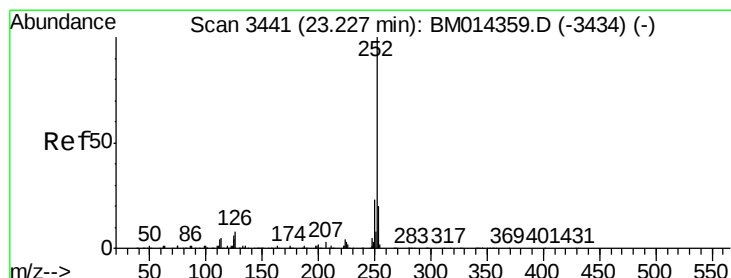
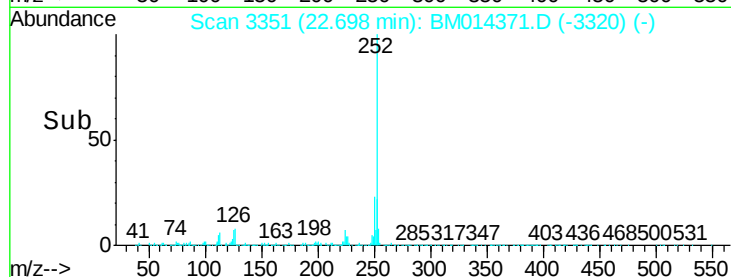
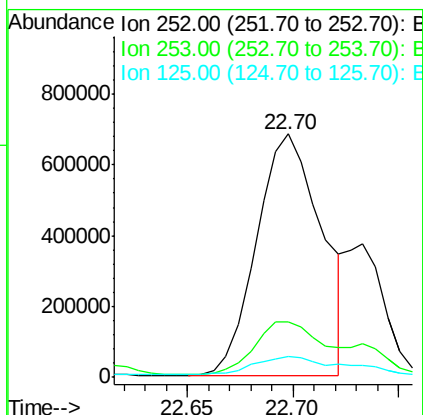
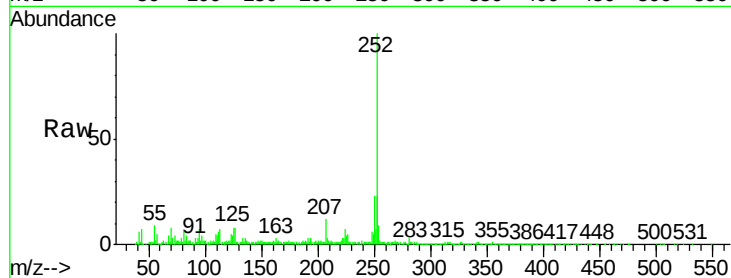




#86
Benzo(k)fluoranthene
Concen: 45.808 ng/ul
RT: 22.70 min Scan# 3351
Delta R.T. -0.02 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

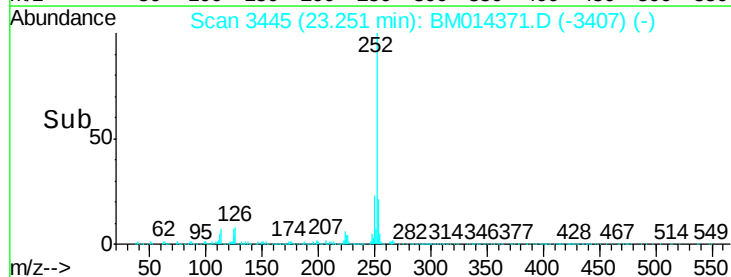
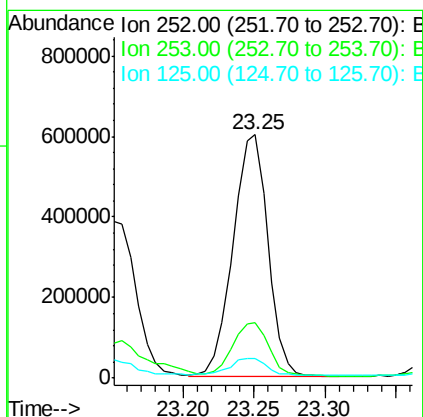
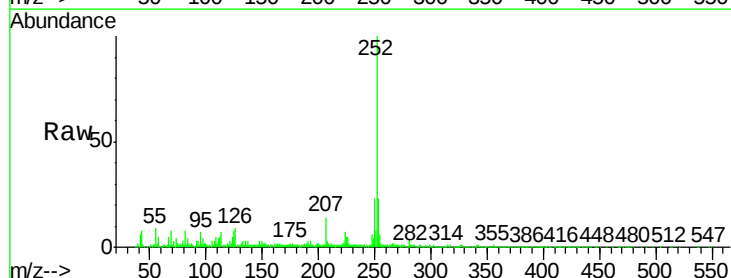
Instrument :
BNA_M
ClientSampleId :

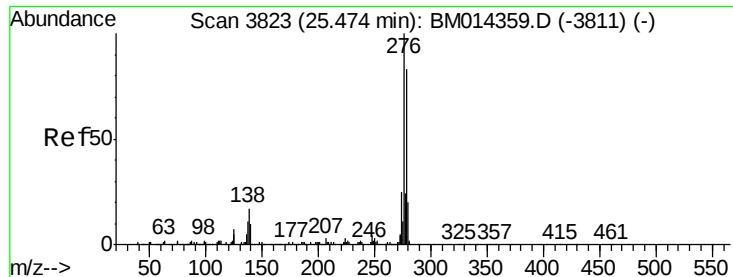
Tot Ion:252 Resp: 1464865
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 8.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 34.600 ng/ul
RT: 23.25 min Scan# 3445
Delta R.T. 0.02 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion:252 Resp: 1039924
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 8.3 4.0 6.0#



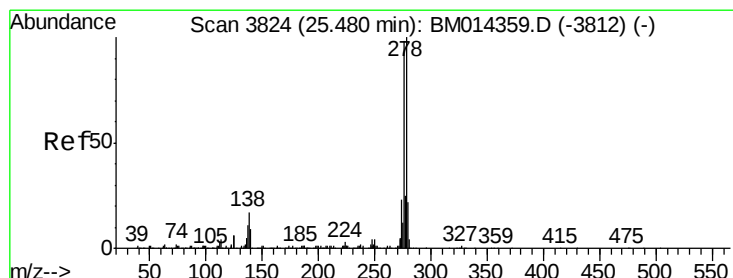
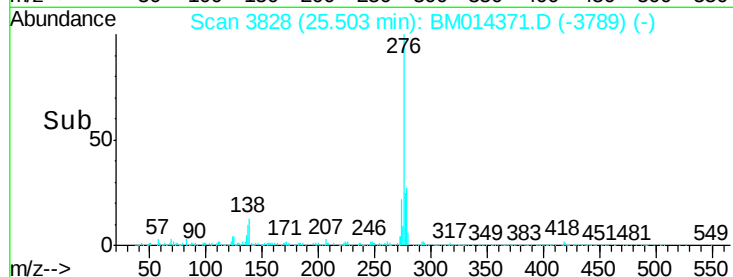
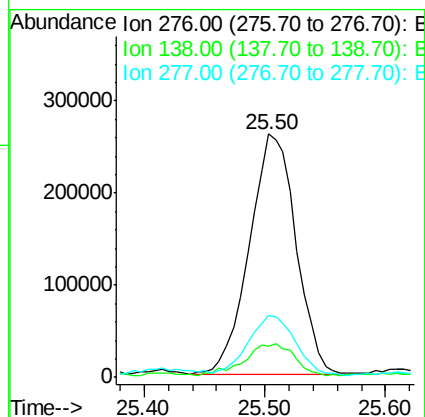
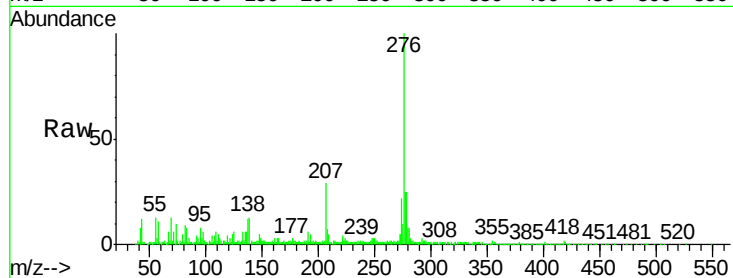


#89

Indeno(1,2,3-cd)pyrene
Concen: 24.027 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.03 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampleId :

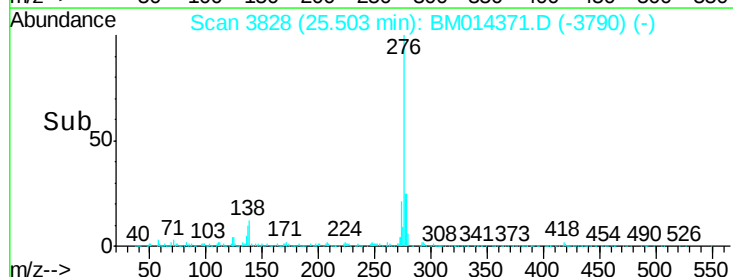
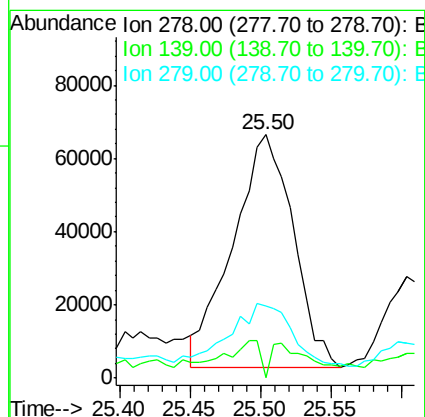
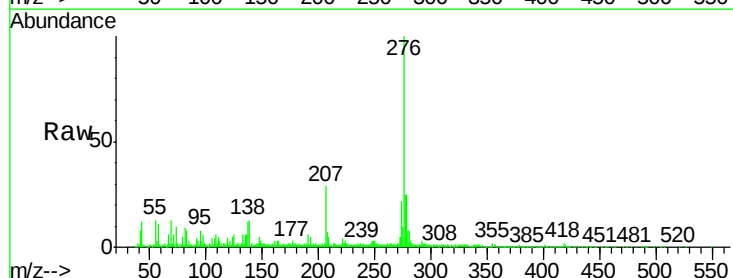
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.3	13.9
277	25.4	19.9	29.9

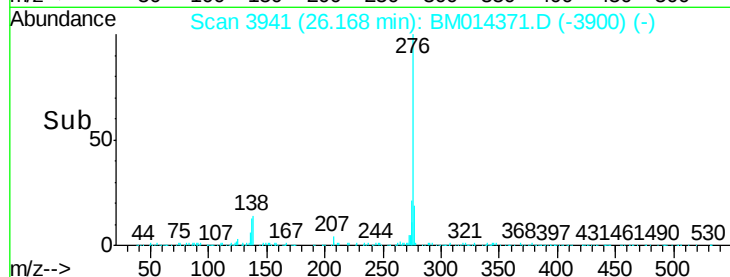
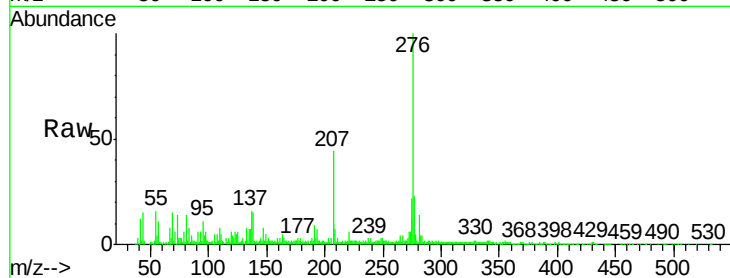
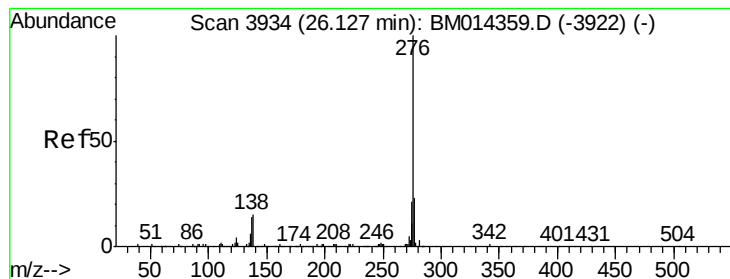


#90

Dibenzo(a,h)anthracene
Concen: 7.823 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.02 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	29.8	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 22.043 ng/ul

RT: 26.17 min Scan# 3941

Delta R.T. 0.04 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 520804

Ion Ratio Lower Upper

276 100

138 14.7 8.5 12.7#

277 23.4 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

