

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014369.D
 Acq On : 26 Feb 2018 22:48
 Operator : SJ/JU
 Sample : J1631-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:25:44 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	176992	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	785570	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	435218	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	811352	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	574735	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	532636	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	20575	4.98	ng/uL	0.00
5) Phenol-d5	6.73	99	436931	29.21	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	281857	31.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	378254	32.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	329385	25.16	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	198272	34.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	213612	35.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	374940	30.13	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	269843	22.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1252331	34.84	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1575958	35.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	89416	18.02	ng/ul	0.02
57) Fluorene-d10	15.19	176	1015852	31.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	37373	7.68	ng/ul	0.01
70) Anthracene-d10	17.04	188	1359332	34.73	ng/ul	0.00
76) Pyrene-d10	19.36	212	1175775	39.66	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	892617	34.43	ng/ul	0.03

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	6099	1.000	ng/ul	91
6) Phenol	6.76	94	56531	3.601	ng/ul#	90
14) Acetophenone	8.35	105	40685	1.802	ng/ul	89
28) Naphthalene	10.35	128	165564	4.103	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	51261	1.669	ng/ul	96
44) Dimethylphthalate	13.65	163	571808	16.134	ng/ul	99
47) Acenaphthylene	13.90	152	161629	3.858	ng/ul#	96
49) Acenaphthene	14.24	153	83957	2.846	ng/ul	96
53) Dibenzofuran	14.59	168	84207	1.904	ng/ul	97
56) Diethylphthalate	15.03	149	43327	1.097	ng/ul	94
58) Fluorene	15.24	166	99355	2.602	ng/ul#	95
69) Phenanthrene	16.99	178	2093518	44.784	ng/ul	100
71) Anthracene	17.08	178	543429	11.559	ng/ul	98
72) Carbazole	17.36	167	264576	6.693	ng/ul	98
74) Fluoranthene	19.02	202	4123949	73.840	ng/ul#	92
77) Pyrene	19.39	202	4592262	120.231	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	1942353	54.151	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.07	149	24219	1.071	ng/ul#	93
82) Chrysene	21.20	228	2082459	62.235	ng/ul	98
85) Benzo(b)fluoranthene	22.70	252	3771214	105.742	ng/ul#	98
86) Benzo(k)fluoranthene	22.70	252	3771214	111.218	ng/ul#	97
88) Benzo(a)pyrene	23.26	252	2728096	85.602	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.52	276	1927730	62.335	ng/ul#	97

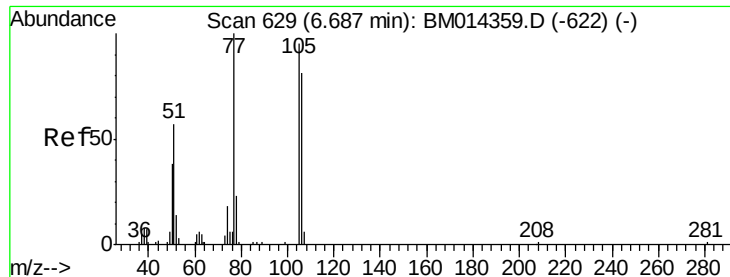
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.51	278	482477	18.776	ng/ul#	86
91) Benzo(g,h,i)perylene	26.19	276	1435584	57.303	ng/ul#	95

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



#4

Benzaldehyde

Concen: 1.000 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampled :

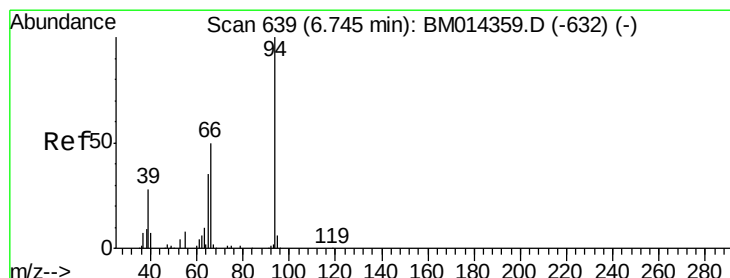
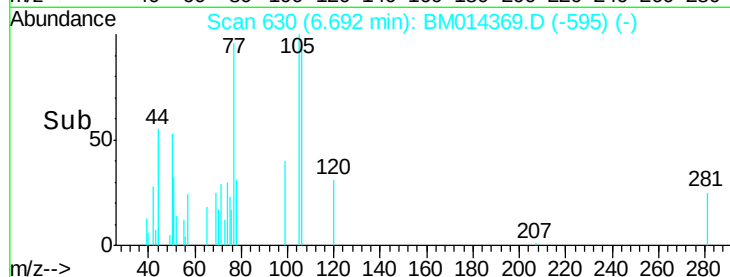
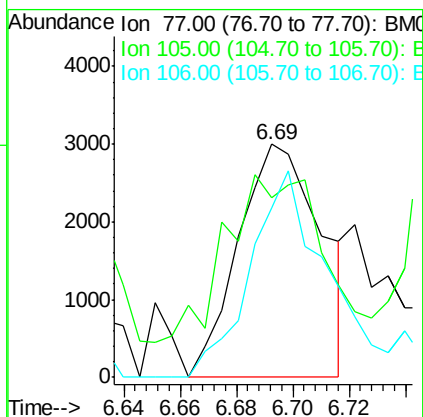
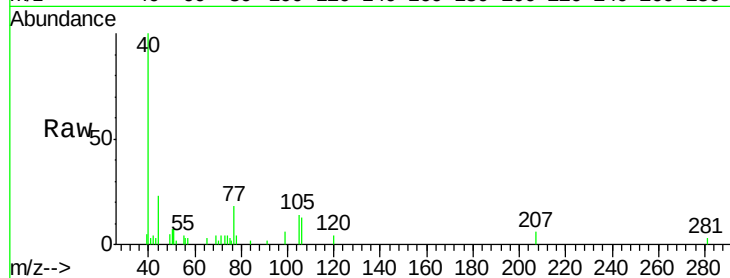
Tot Ion: 77 Resp: 6099

Ion Ratio Lower Upper

77 100

105 77.2 66.1 99.1

106 72.9 67.8 101.6



#6

Phenol

Concen: 3.601 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

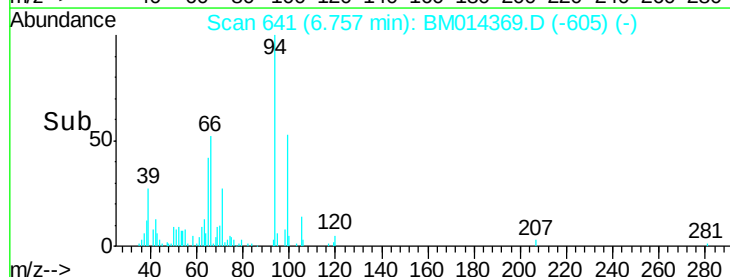
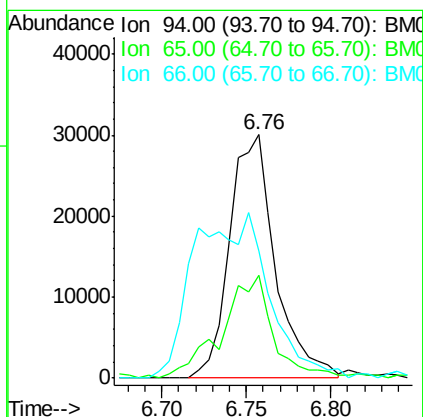
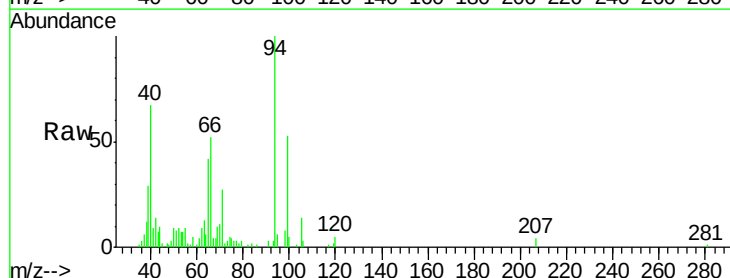
Tgt Ion: 94 Resp: 56531

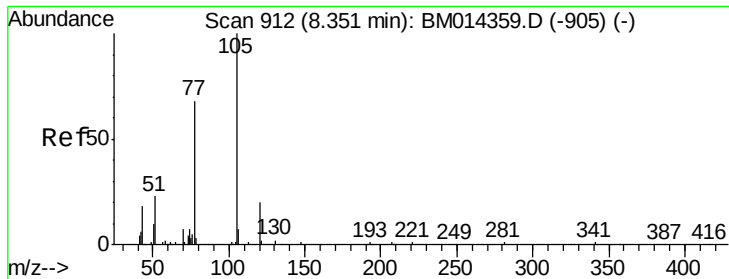
Ion Ratio Lower Upper

94 100

65 42.4 28.2 42.4#

66 52.4 47.2 70.8





#14

Acetophenone

Concen: 1.802 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

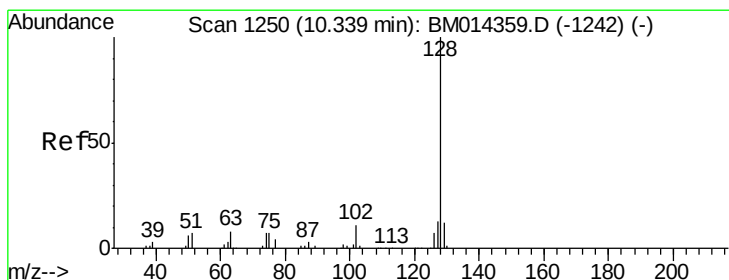
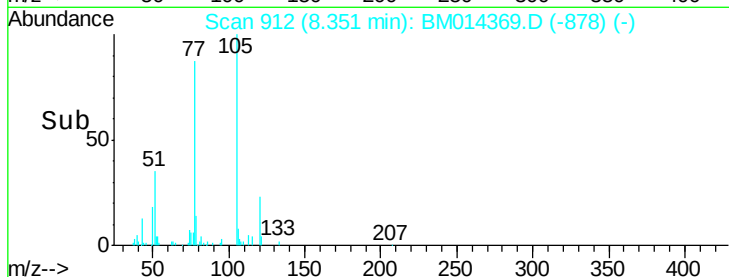
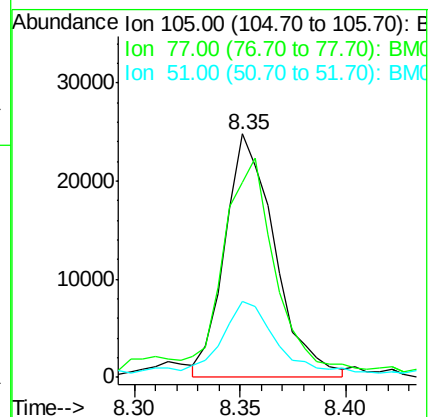
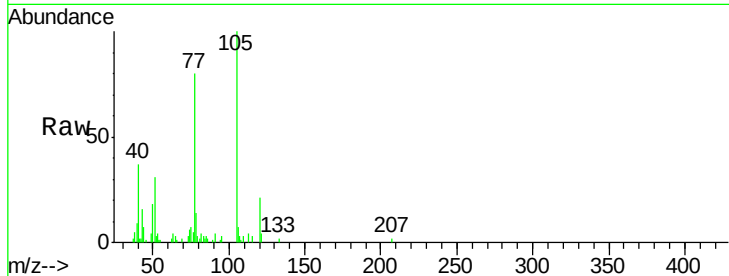
Tot Ion:105 Resp: 40685

Ion Ratio Lower Upper

105 100

77 79.9 74.2 111.4

51 31.4 23.4 35.2



#28

Naphthalene

Concen: 4.103 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

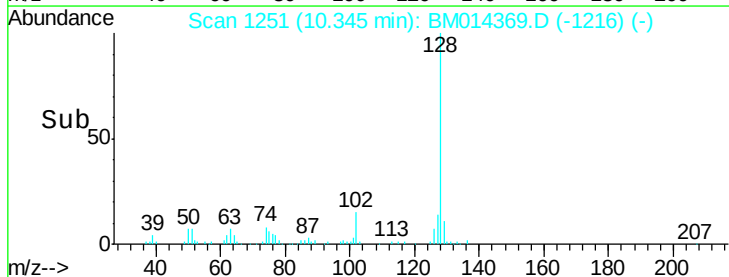
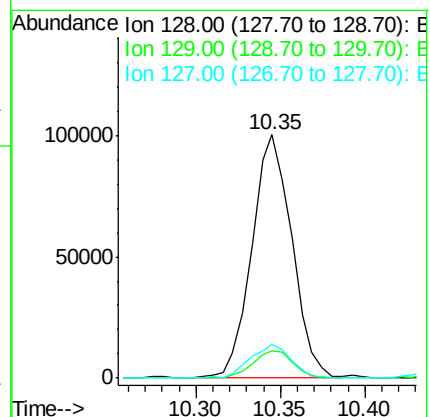
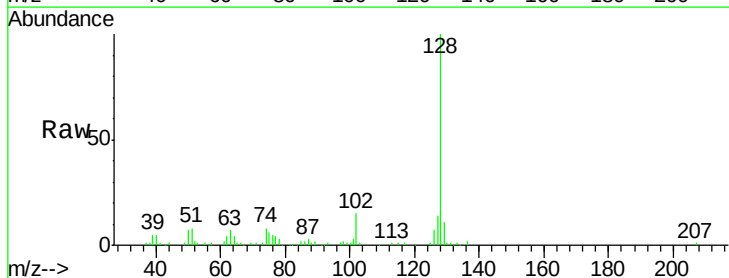
Tgt Ion:128 Resp: 165564

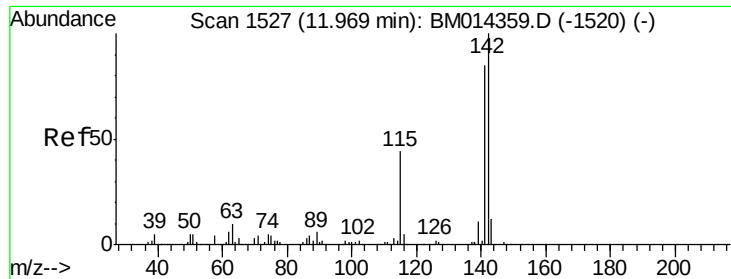
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.7 10.6 16.0

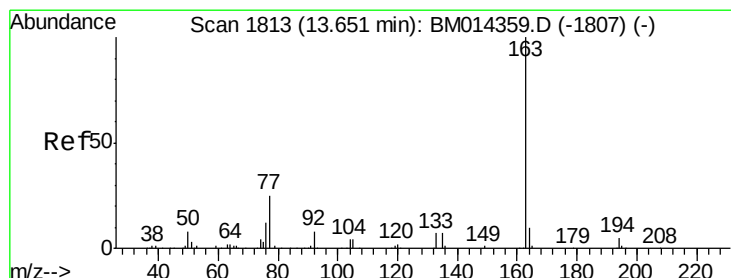
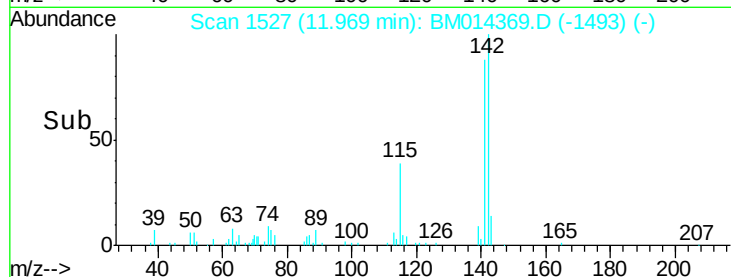
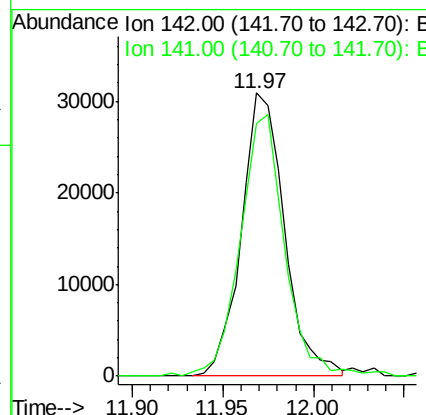
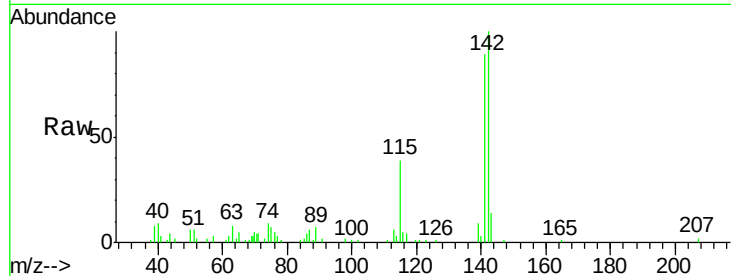




#34
 2-Methylnaphthalene
 Concen: 1.669 ng/ul
 RT: 11.97 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: BM014369.D
 Acq: 26 Feb 2018 22:48

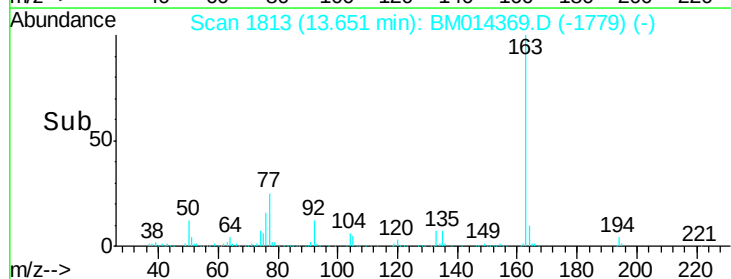
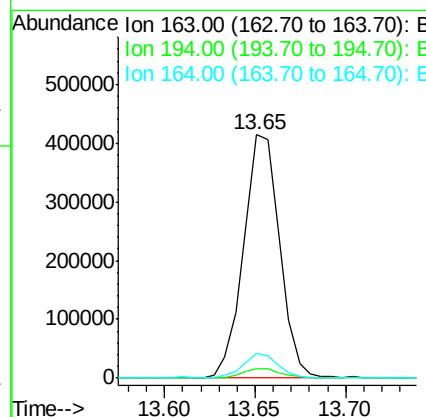
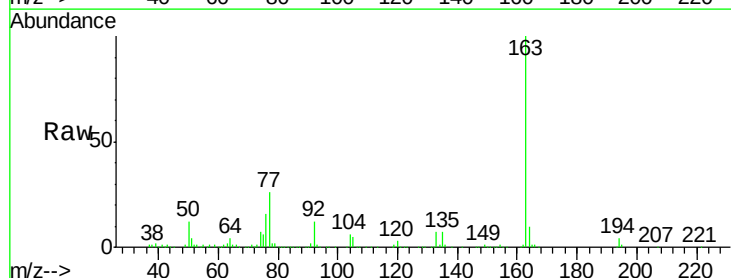
Instrument :
 BNA_M
 ClientSampleId :

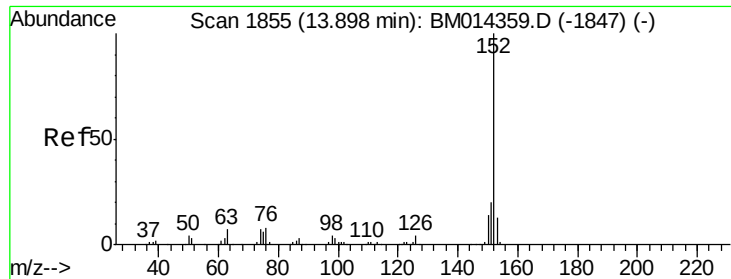
Tot Ion:142 Resp: 51261
 Ion Ratio Lower Upper
 142 100
 141 89.1 74.1 111.1



#44
 Dimethylphthalate
 Concen: 16.134 ng/ul
 RT: 13.65 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: BM014369.D
 Acq: 26 Feb 2018 22:48

Tgt Ion:163 Resp: 571808
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.5 5.3
 164 10.0 8.2 12.4





#47

Acenaphthylene

Concen: 3.858 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

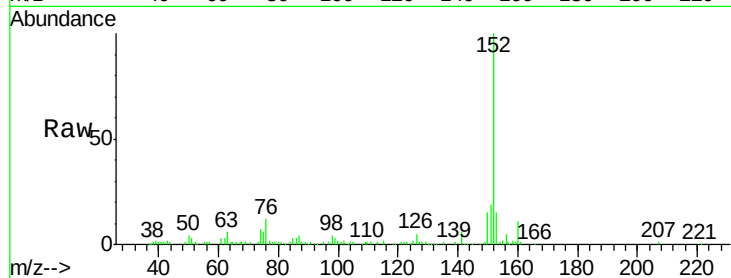
Tot Ion:152 Resp: 161629

Ion Ratio Lower Upper

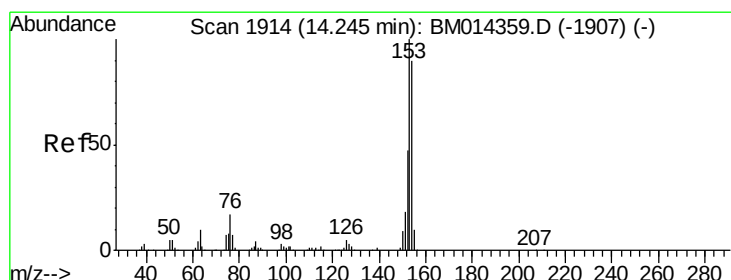
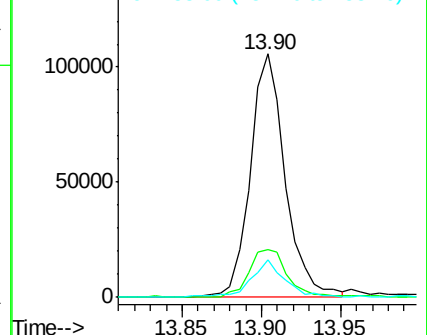
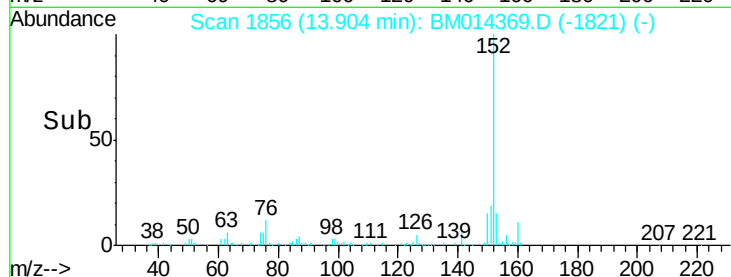
152 100

151 19.4 16.3 24.5

153 15.4 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: 2.846 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

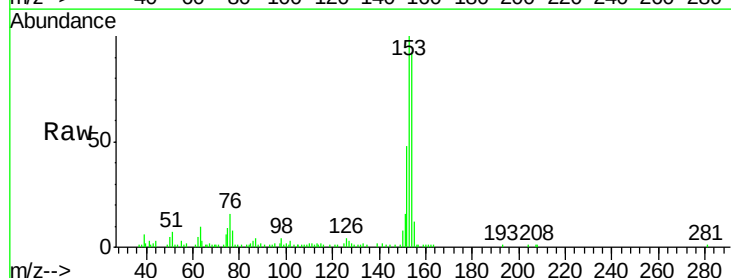
Tgt Ion:153 Resp: 83957

Ion Ratio Lower Upper

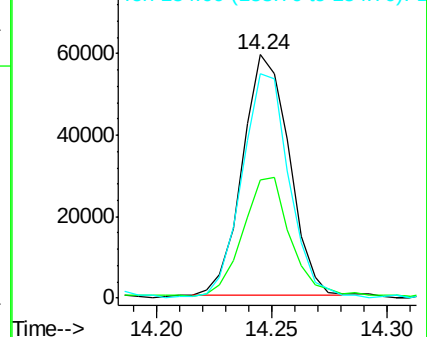
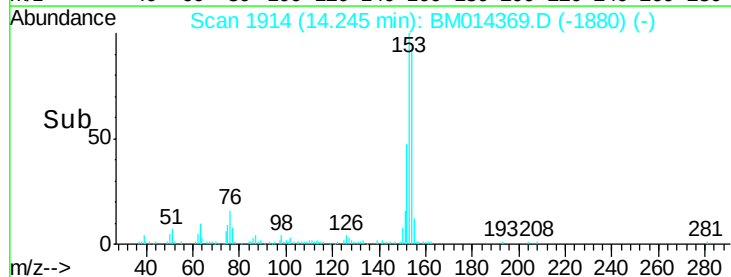
153 100

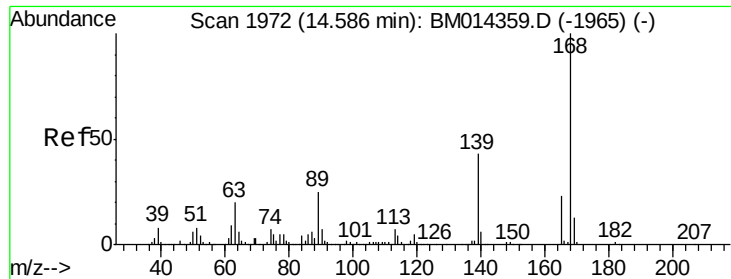
152 48.4 37.6 56.4

154 92.1 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: 1.904 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

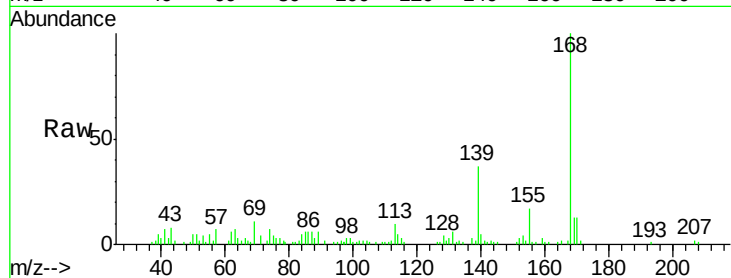
ClientSampleId :

Tot Ion:168 Resp: 84207

Ion Ratio Lower Upper

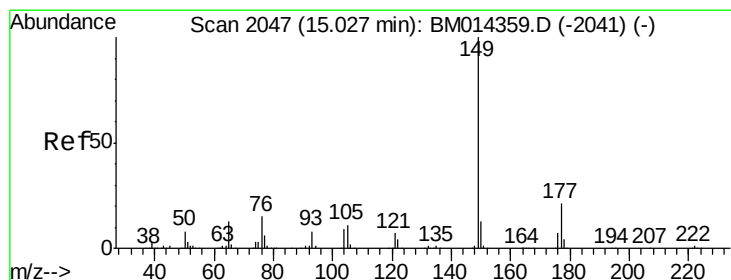
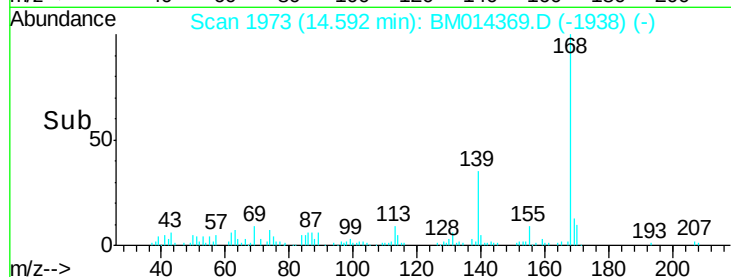
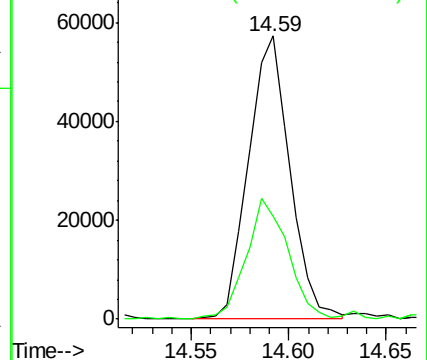
168 100

139 36.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

Diethylphthalate

Concen: 1.097 ng/ul

RT: 15.03 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

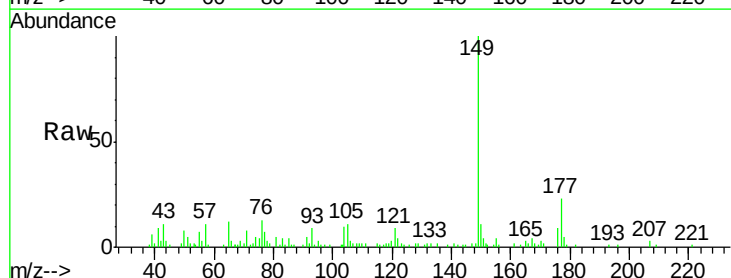
Tgt Ion:149 Resp: 43327

Ion Ratio Lower Upper

149 100

177 22.9 20.5 30.7

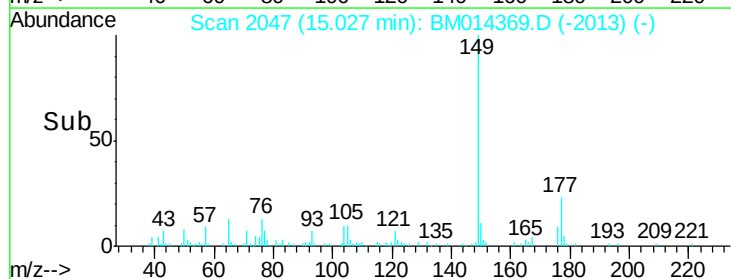
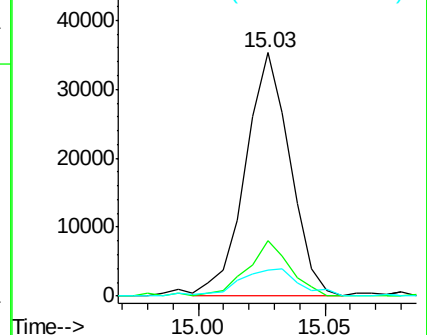
150 10.9 10.6 15.8

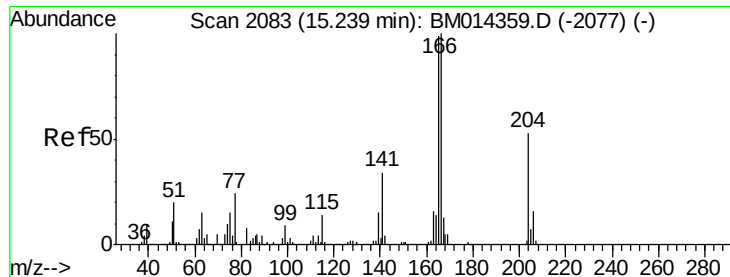


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 2.602 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

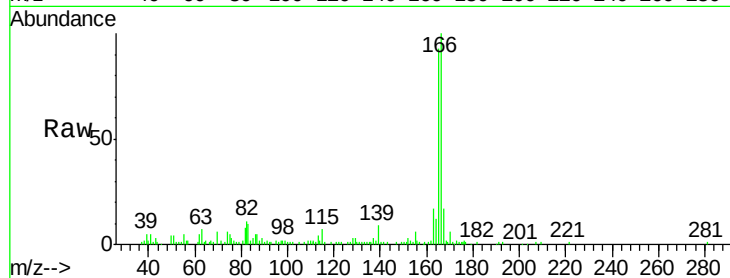
Tot Ion:166 Resp: 99355

Ion Ratio Lower Upper

166 100

165 93.4 77.9 116.9

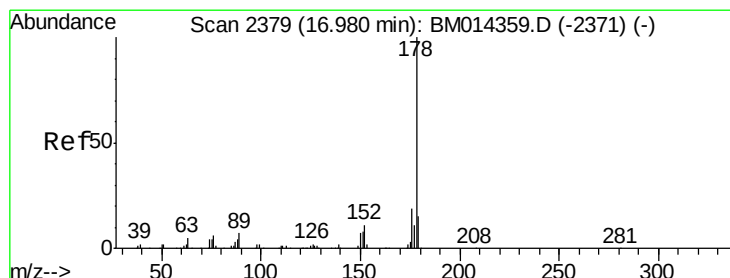
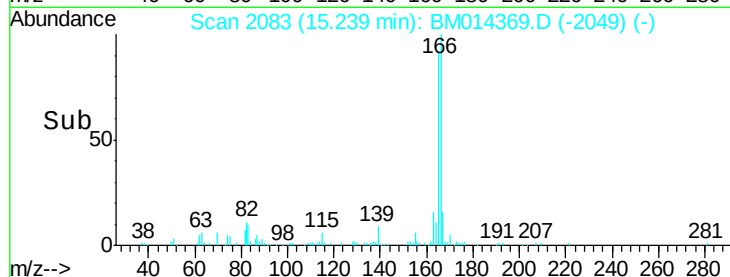
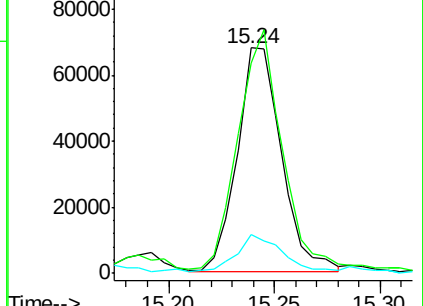
167 17.0 10.6 16.0#



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: 44.784 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

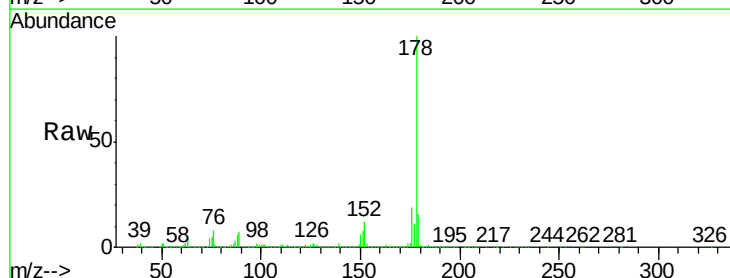
Tgt Ion:178 Resp: 2093518

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

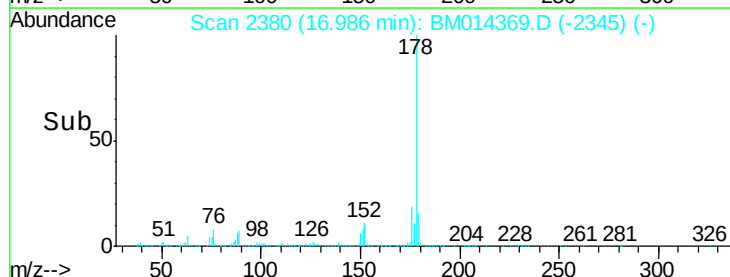
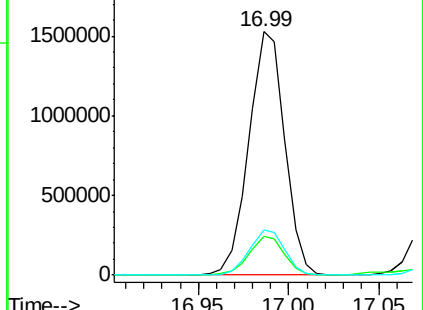
176 18.6 14.9 22.3

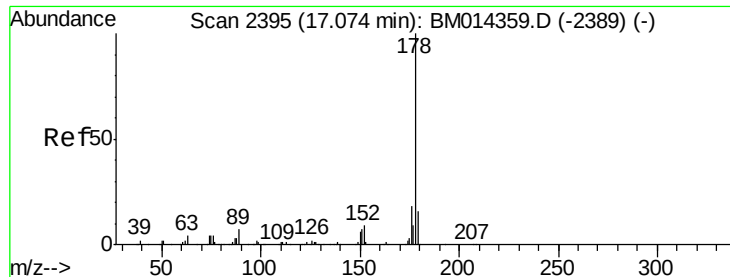


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

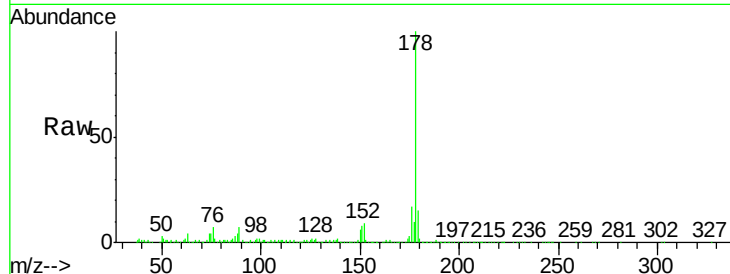




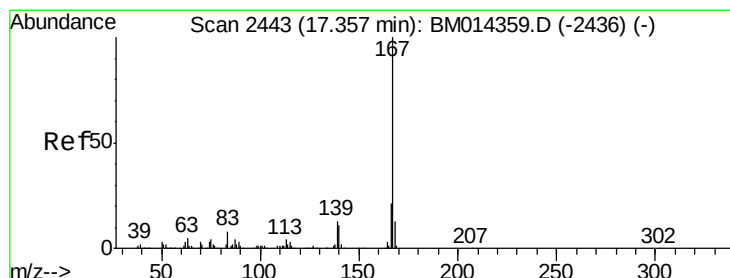
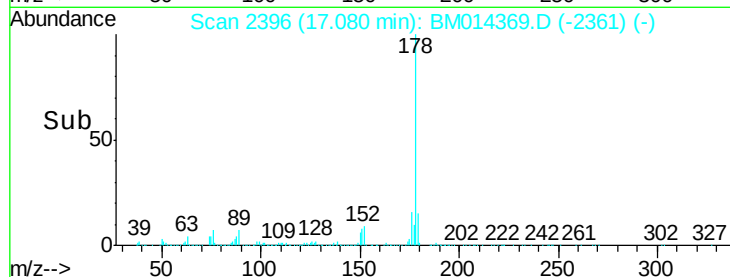
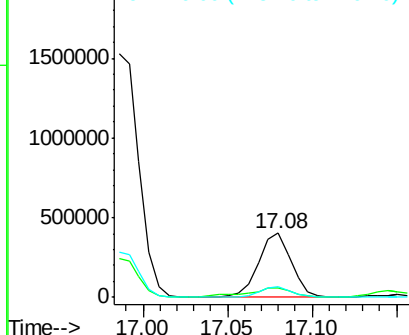
#71
 Anthracene
 Concen: 11.559 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM014369.D
 Acq: 26 Feb 2018 22:48

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.7	17.5
176	16.5	14.6	21.8

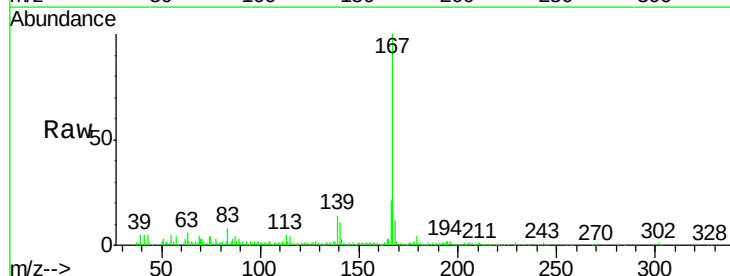


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

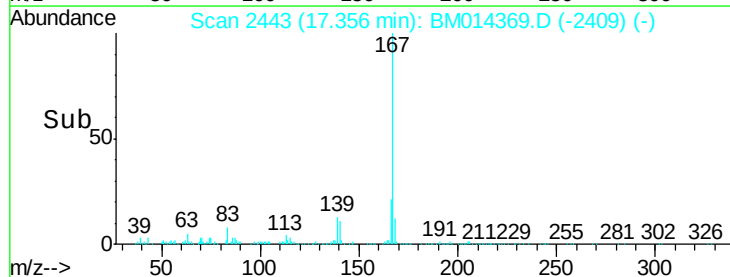
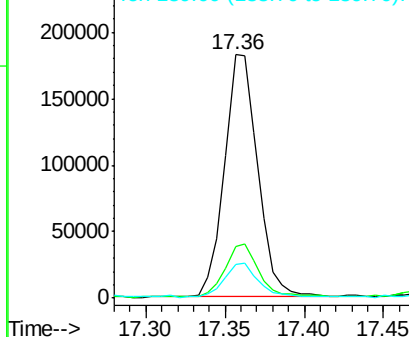


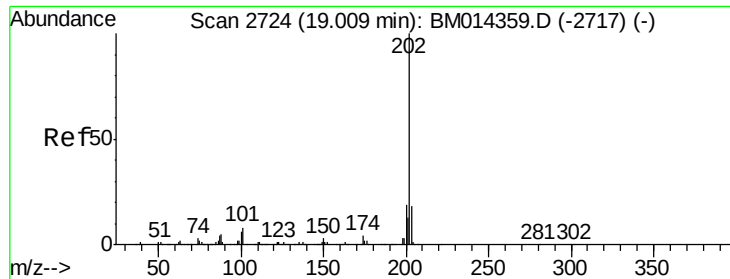
#72
 Carbazole
 Concen: 6.693 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BM014369.D
 Acq: 26 Feb 2018 22:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.9	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

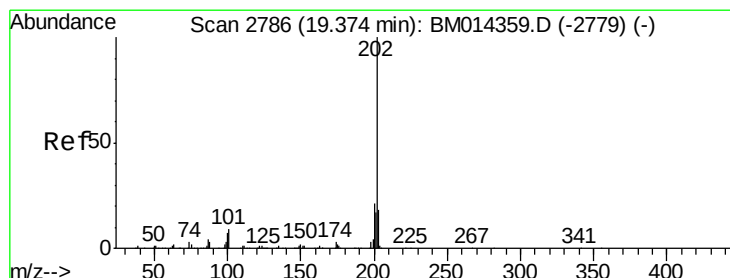
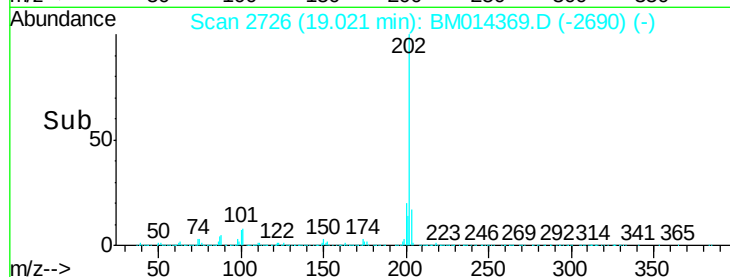
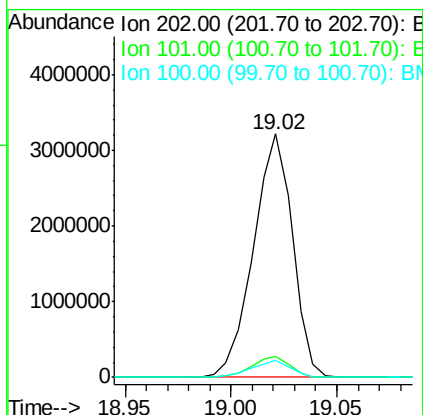
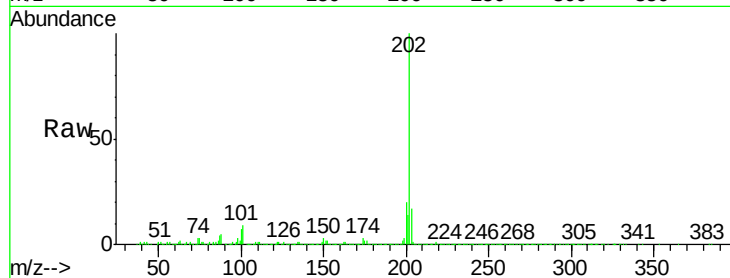




#74
Fluoranthene
Concen: 73.840 ng/ul
RT: 19.02 min Scan# 2726
Delta R.T. 0.01 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

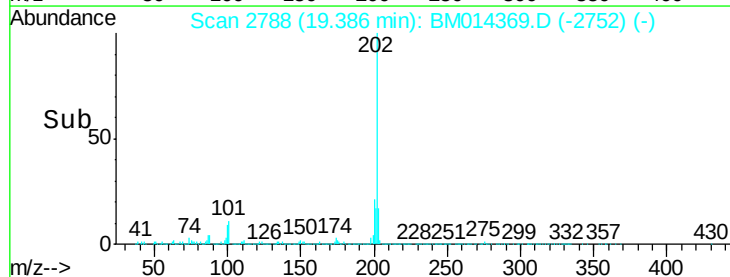
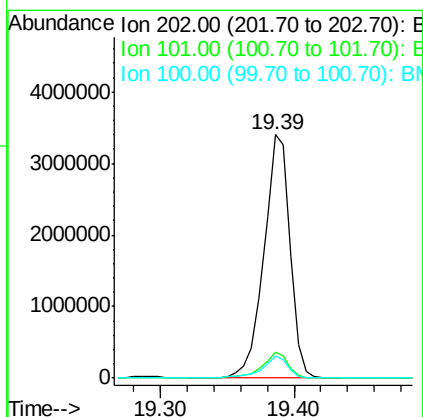
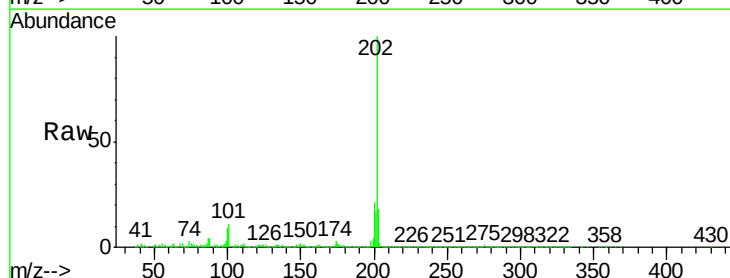
Instrument :
BNA_M
ClientSampleId :

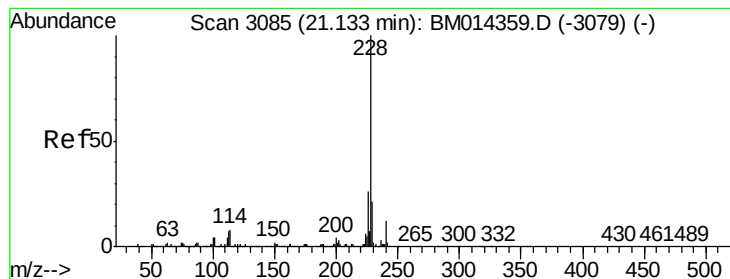
Tot Ion:202 Resp: 4123949
Ion Ratio Lower Upper
202 100
101 8.6 4.6 7.0#
100 6.9 3.4 5.2#



#77
Pyrene
Concen: 120.231 ng/ul
RT: 19.39 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Tgt Ion:202 Resp: 4592262
Ion Ratio Lower Upper
202 100
101 10.8 5.1 7.7#
100 9.0 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 54.151 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

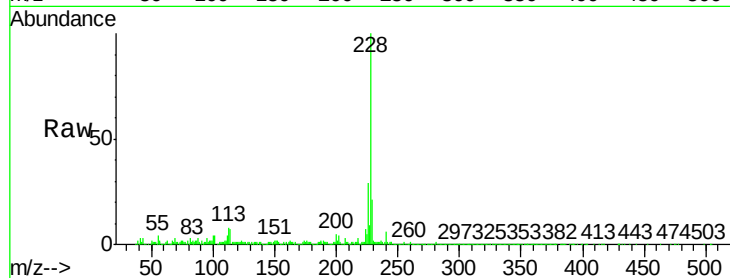
Tot Ion:228 Resp: 1942353

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

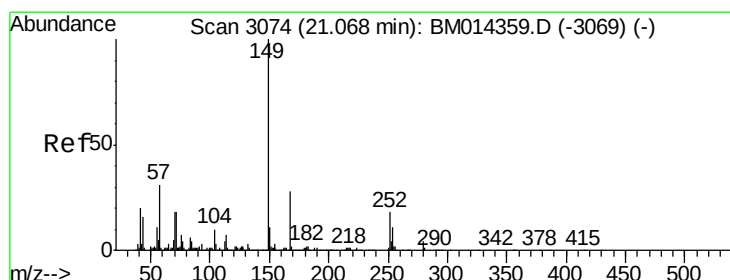
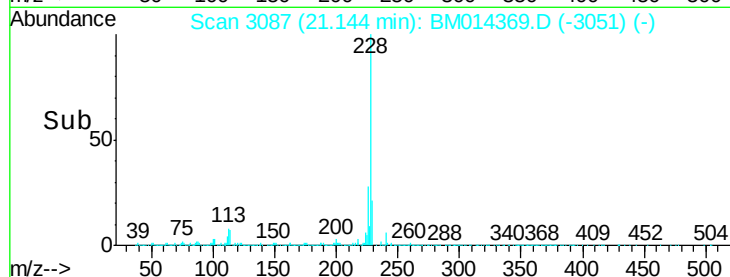
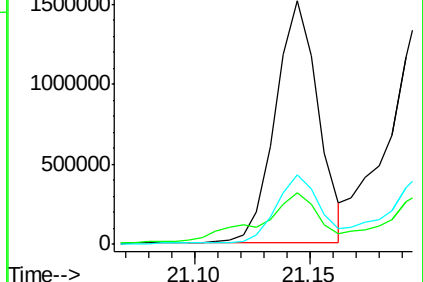
226 28.5 21.4 32.0



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.071 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

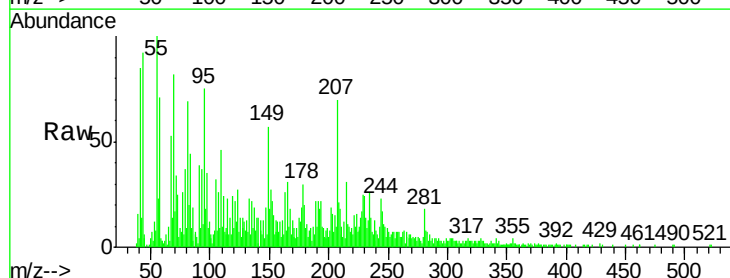
Tgt Ion:149 Resp: 24219

Ion Ratio Lower Upper

149 100

167 32.0 22.8 34.2

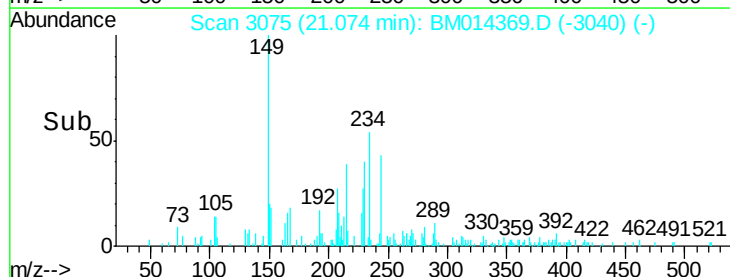
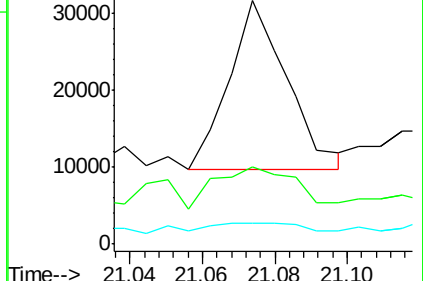
279 8.3 4.9 7.3#

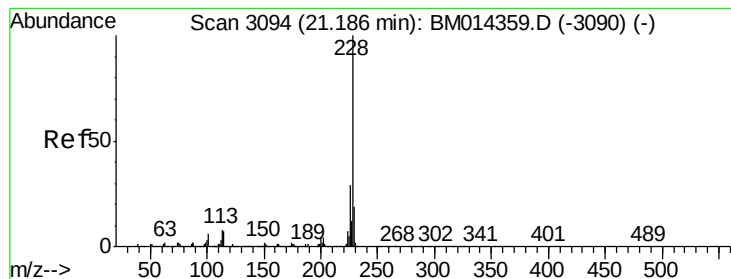


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 62.235 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

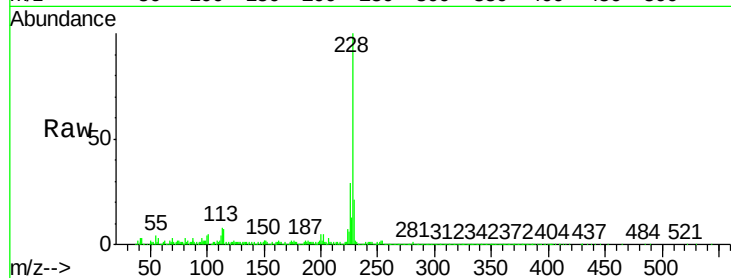
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2082459

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.2
229	21.5	15.5	23.3

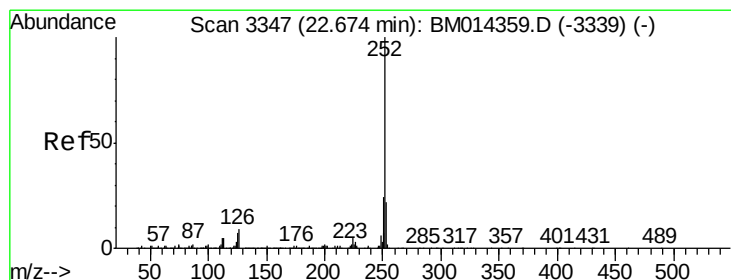
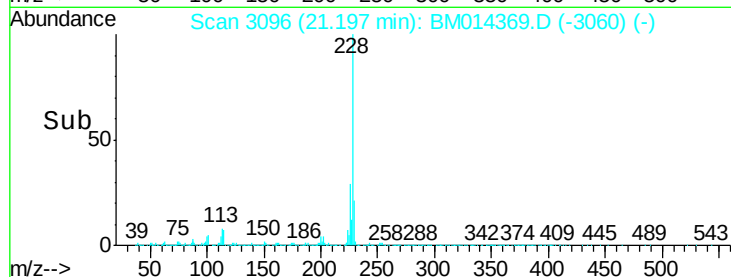
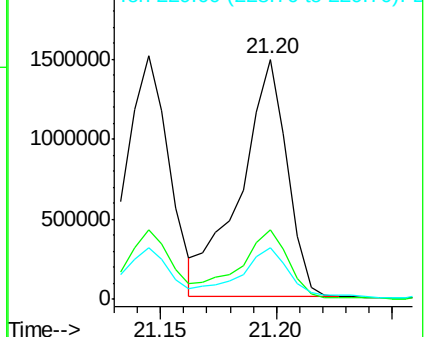


Abundance

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: 105.742 ng/ul

RT: 22.70 min Scan# 3352

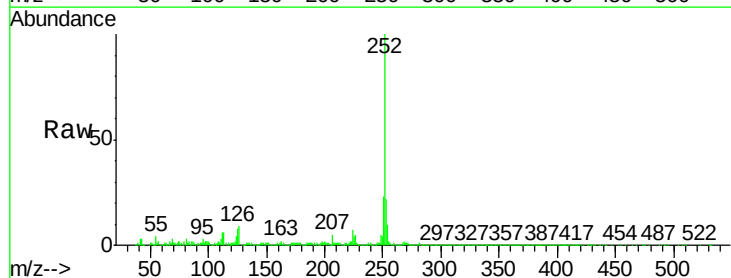
Delta R.T. 0.03 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion:252 Resp: 3771214

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	8.1	3.6	5.4

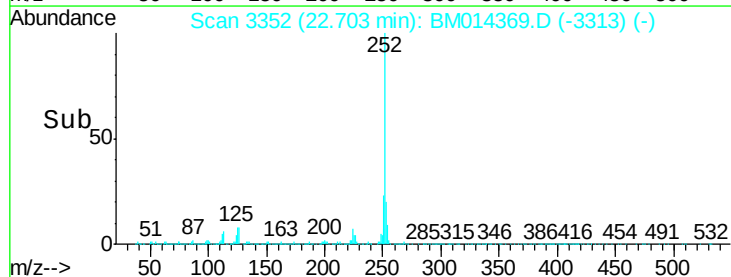
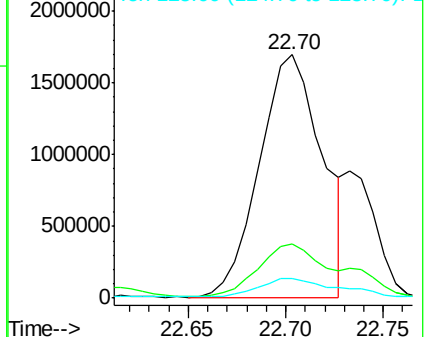


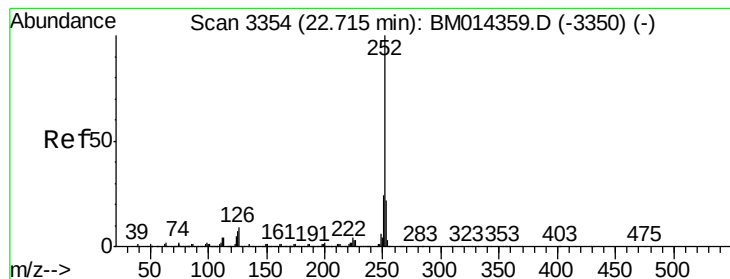
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 111.218 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

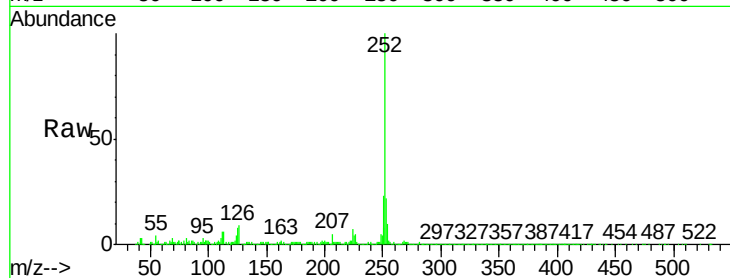
Tot Ion:252 Resp: 3771214

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

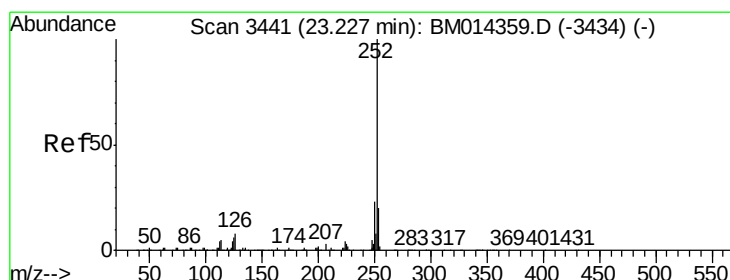
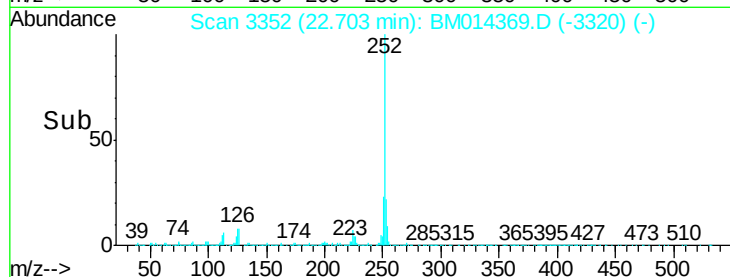
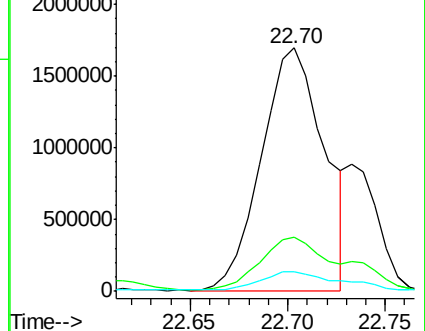
125 8.1 3.4 5.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 85.602 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.03 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

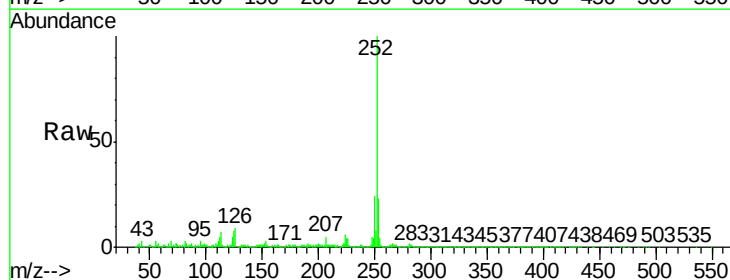
Tgt Ion:252 Resp: 2728096

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

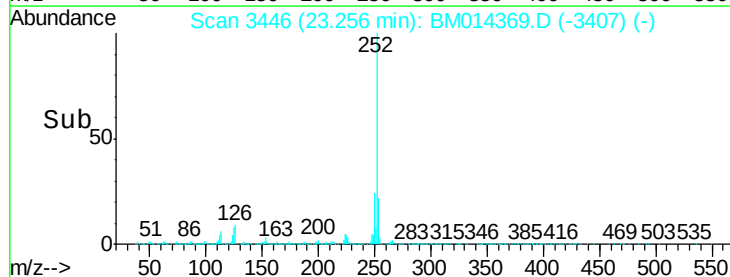
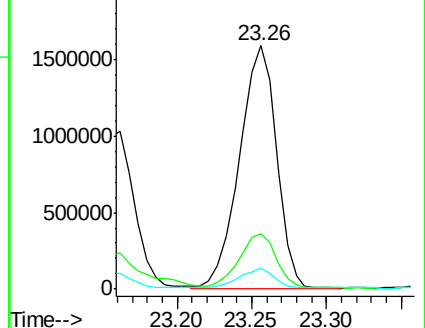
125 8.3 4.0 6.0#

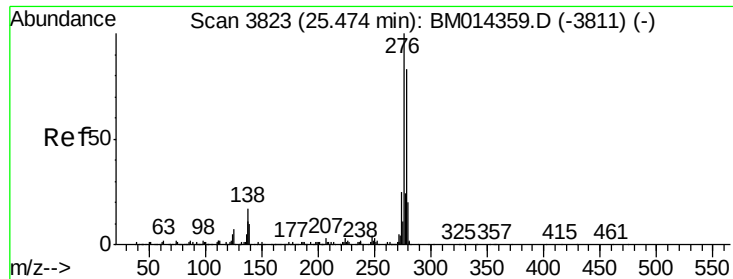


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



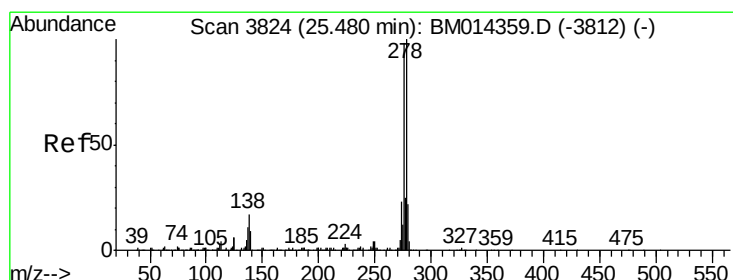
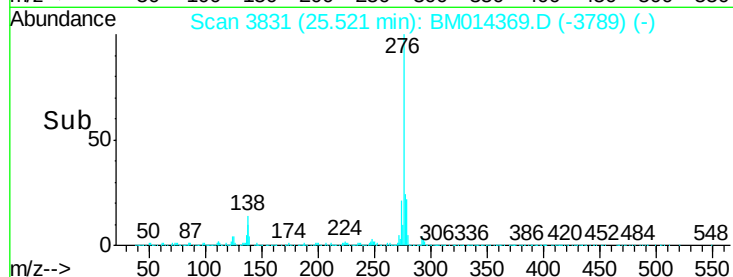
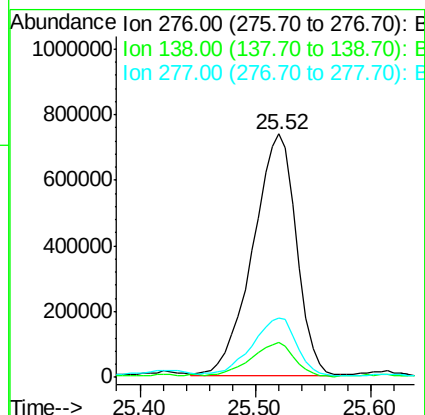
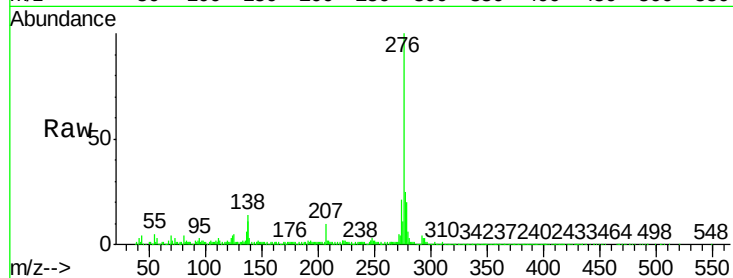


#89

Indeno(1,2,3-cd)pyrene
Concen: 62.335 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. 0.05 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_M
ClientSampleId :

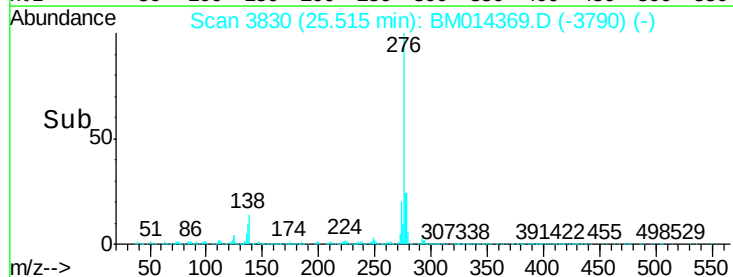
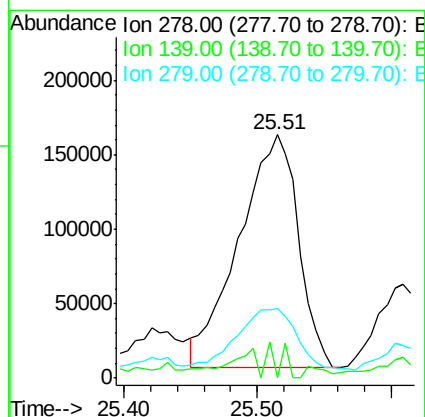
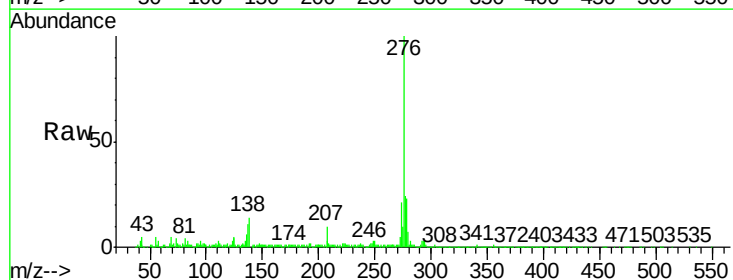
Tot Ion:276 Resp: 1927730
Ion Ratio Lower Upper
276 100
138 14.2 9.3 13.9#
277 24.6 19.9 29.9

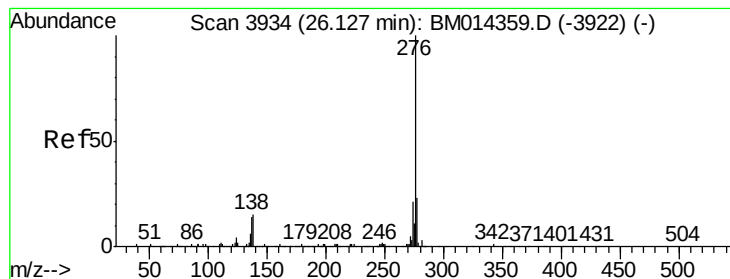


#90

Dibenzo(a,h)anthracene
Concen: 18.776 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. 0.04 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Tgt Ion:278 Resp: 482477
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 28.6 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 57.303 ng/ul

RT: 26.19 min Scan# 3944

Delta R.T. 0.06 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

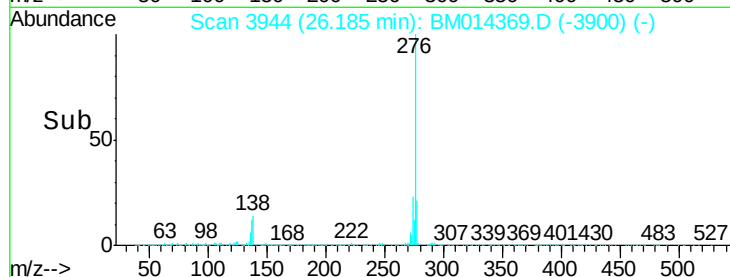
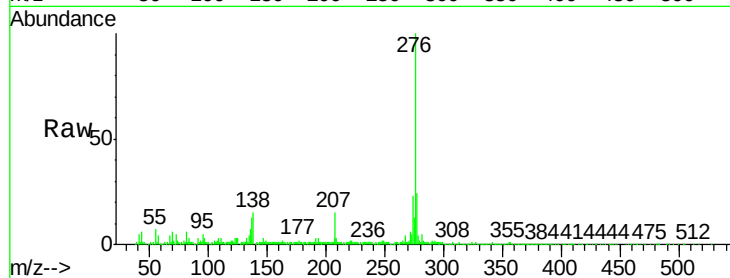
Tot Ion:276 Resp: 1435584

Ion Ratio Lower Upper

276 100

138 14.9 8.5 12.7#

277 24.1 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

