

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014379.D
 Acq On : 27 Feb 2018 13:00
 Operator : SJ/JU
 Sample : J1631-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y6

Quant Time: Feb 27 15:32:20 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	7.52	152	93623	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	399419	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	227990	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	493902	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	484872	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	457852	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	11500	5.26	ng/uL	-0.01
5) Phenol-d5	6.72	99	203553	25.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	130643	27.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	168878	27.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	141056	20.37	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	89734	30.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	97560	31.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	172577	27.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	68417	10.97	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	569562	30.25	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	733388	31.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	41771	16.07	ng/ul	0.02
57) Fluorene-d10	15.18	176	478785	28.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	40555	13.69	ng/ul	0.01
70) Anthracene-d10	17.04	188	740141	31.06	ng/ul	0.00
76) Pyrene-d10	19.34	212	776361	31.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	691870	31.05	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	4906	1.521	ng/ul#	81
6) Phenol	6.75	94	10129	1.220	ng/ul	96
14) Acetophenone	8.35	105	77858	6.518	ng/ul#	93
28) Naphthalene	10.34	128	54496	2.656	ng/ul	98
30) 4-Chloroaniline	10.33	127	7028	1.105	ng/ul#	26
34) 2-Methylnaphthalene	11.97	142	19588	1.255	ng/ul	92
44) Dimethylphthalate	13.64	163	166913	8.990	ng/ul	98
47) Acenaphthylene	13.90	152	57328	2.612	ng/ul	95
49) Acenaphthene	14.24	153	55812	3.612	ng/ul	87
53) Dibenzofuran	14.59	168	55544	2.397	ng/ul	98
58) Fluorene	15.23	166	76962	3.848	ng/ul	92
69) Phenanthrene	16.98	178	1587089	55.772	ng/ul	99
71) Anthracene	17.07	178	349863	12.225	ng/ul	98
72) Carbazole	17.36	167	108938	4.527	ng/ul	98
73) Di-n-butylphthalate	17.92	149	42535	1.370	ng/ul	99
74) Fluoranthene	19.02	202	2750787	80.910	ng/ul#	93
77) Pyrene	19.38	202	2536092	78.704	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	1406750	46.487	ng/ul	98
82) Chrysene	21.19	228	1309972	46.404	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1730647	56.452	ng/ul#	96
86) Benzo(k)fluoranthene	22.69	252	1730647	59.376	ng/ul#	94
88) Benzo(a)pyrene	23.24	252	1219371	44.511	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.49	276	798789	30.048	ng/ul#	97

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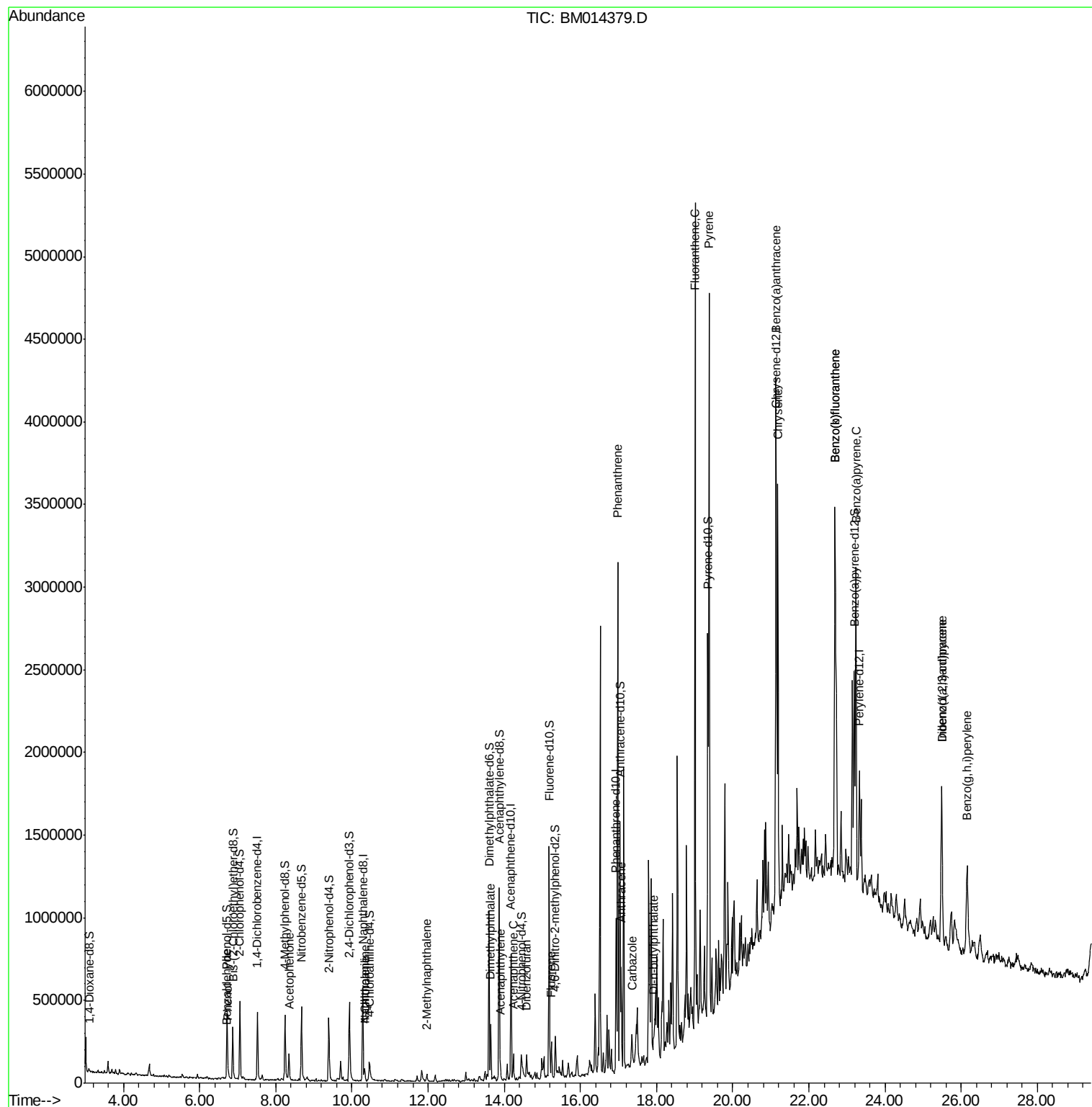
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.49	278	227730	10.310	ng/ul#	91
91) Benzo(g,h,i)perylene	26.16	276	595307	27.644	ng/ul#	97

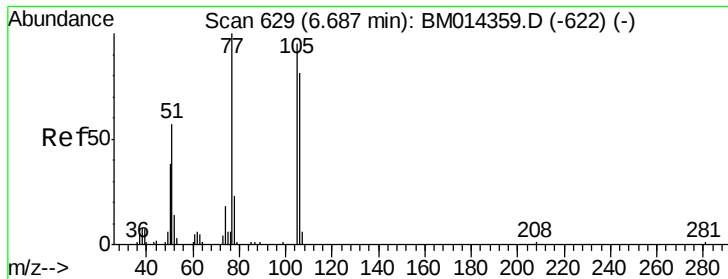
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.521 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

Instrument :

BNA_M

ClientSampleId :

BE5Y6

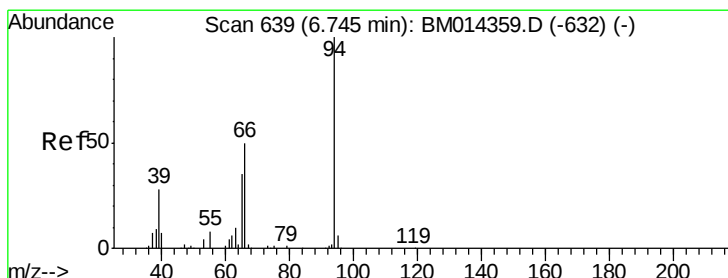
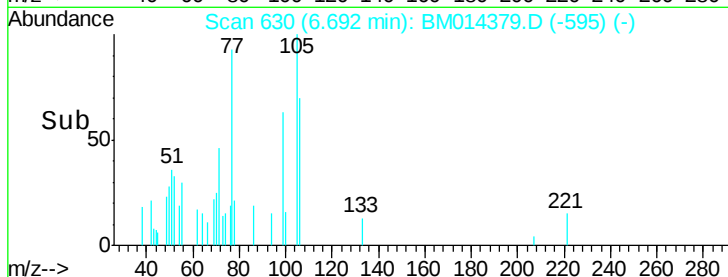
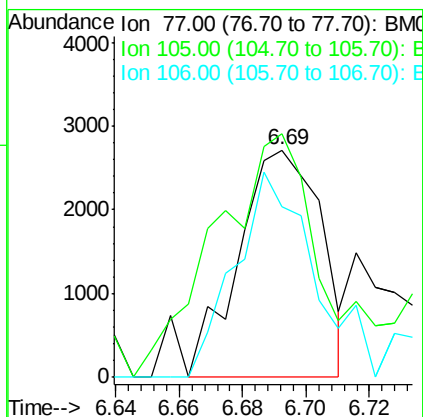
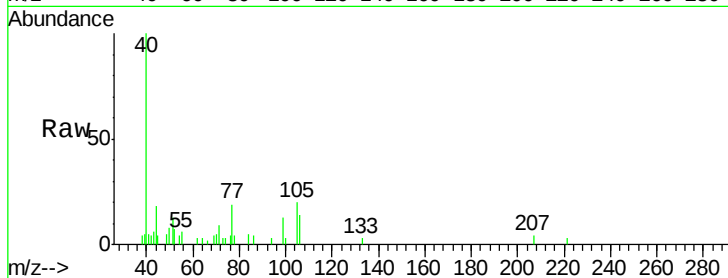
Tot Ion: 77 Resp: 4906

Ion Ratio Lower Upper

77 100

105 107.1 66.1 99.1#

106 75.3 67.8 101.6



#6

Phenol

Concen: 1.220 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

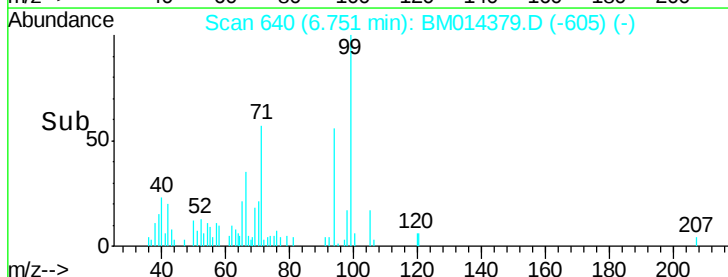
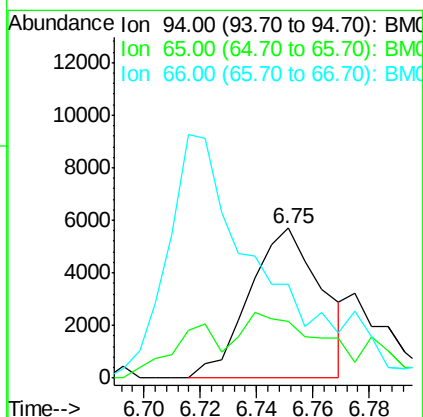
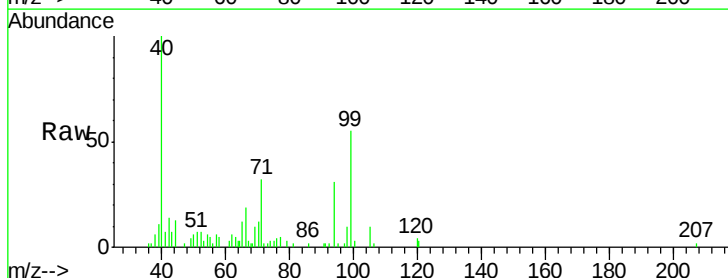
Tgt Ion: 94 Resp: 10129

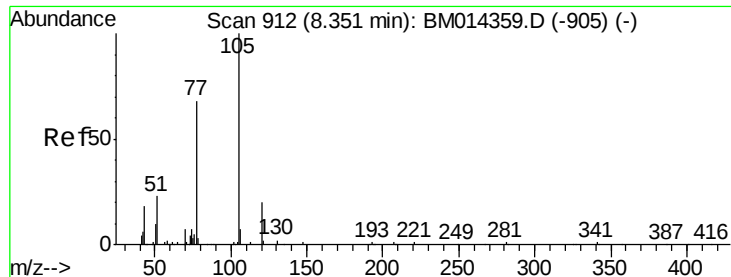
Ion Ratio Lower Upper

94 100

65 37.7 28.2 42.4

66 62.5 47.2 70.8

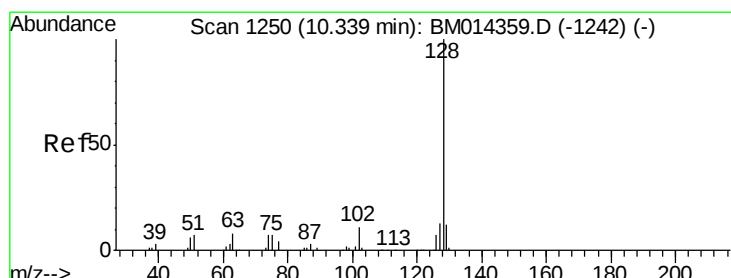
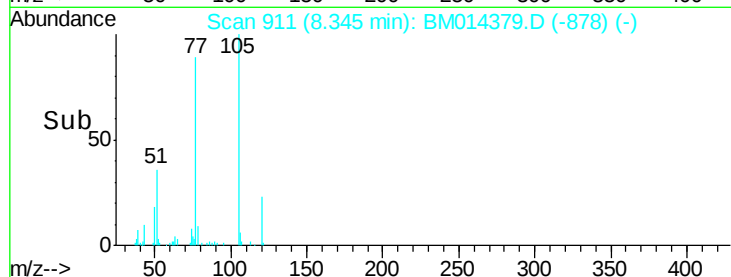
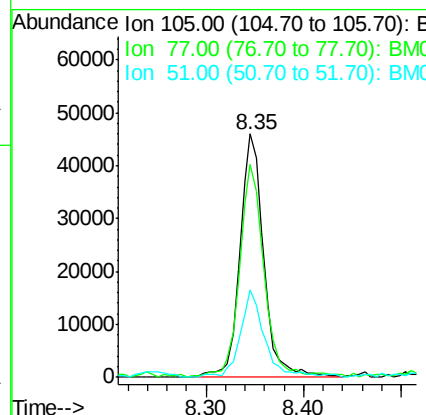
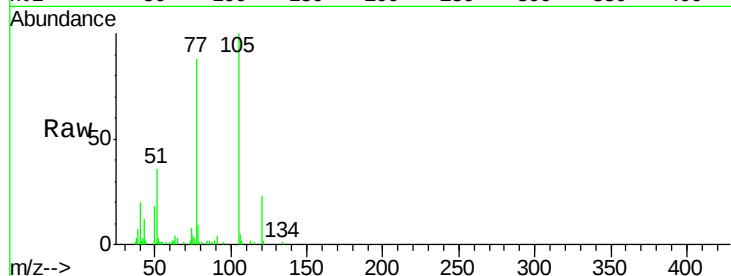




#14
Acetophenone
Concen: 6.518 ng/ul
RT: 8.35 min Scan# 911
Delta R.T. -0.01 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

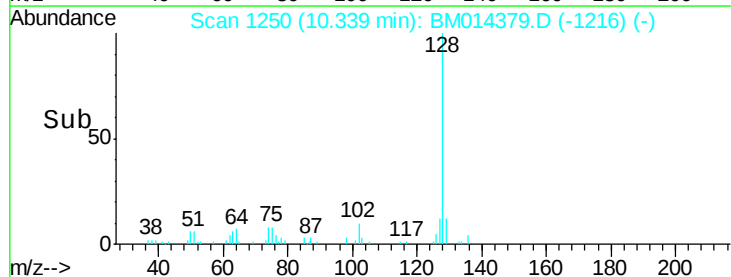
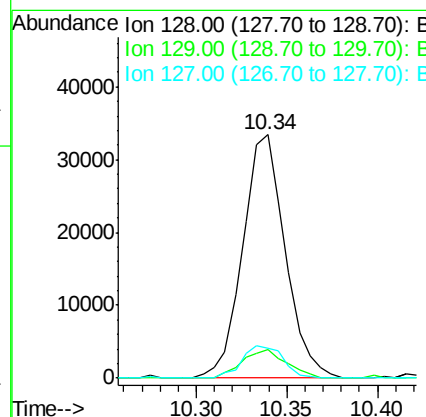
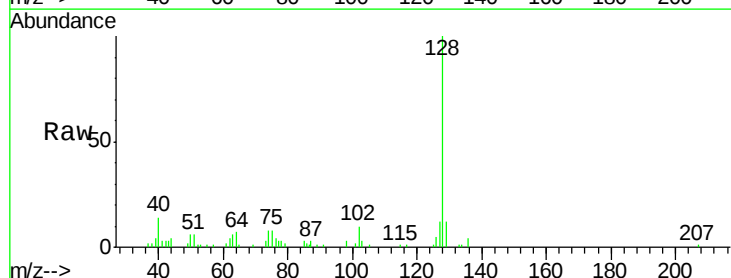
Instrument :
BNA_M
ClientSampleId :
BE5Y6

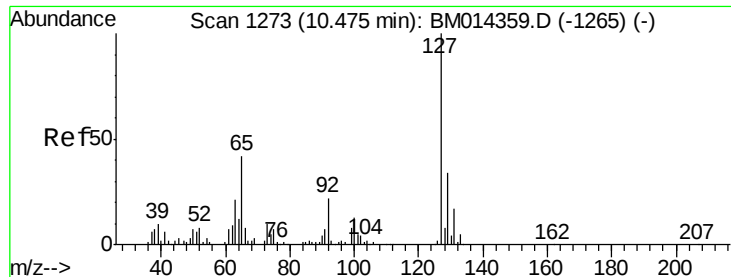
Tot Ion:105 Resp: 77858
Ion Ratio Lower Upper
105 100
77 87.7 74.2 111.4
51 36.1 23.4 35.2#



#28
Naphthalene
Concen: 2.656 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Tgt Ion:128 Resp: 54496
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 12.2 10.6 16.0

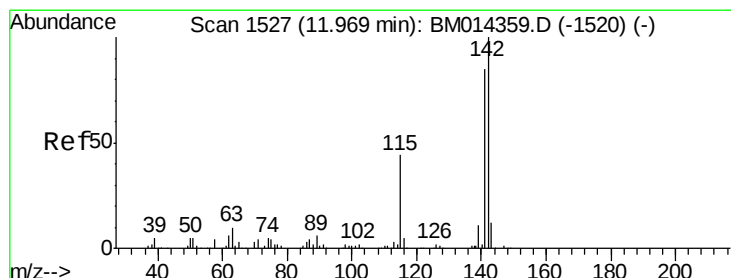
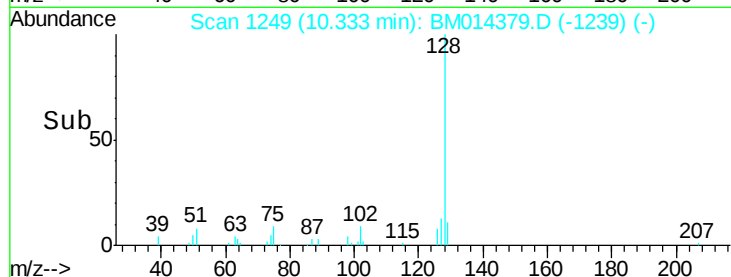
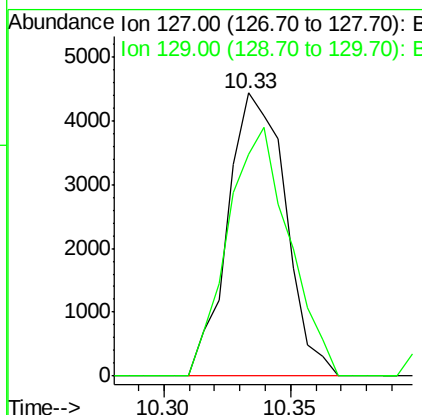
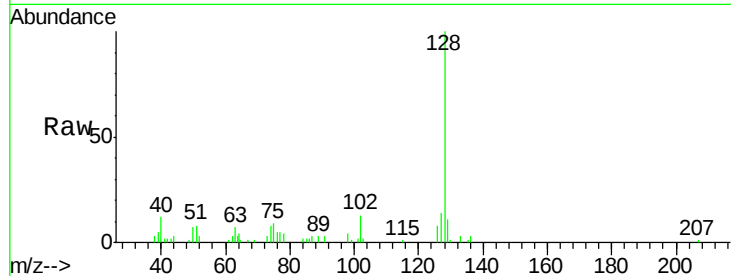




#30
4-Chloroaniline
Concen: 1.105 ng/ul
RT: 10.33 min Scan# 1249
Delta R.T. -0.14 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

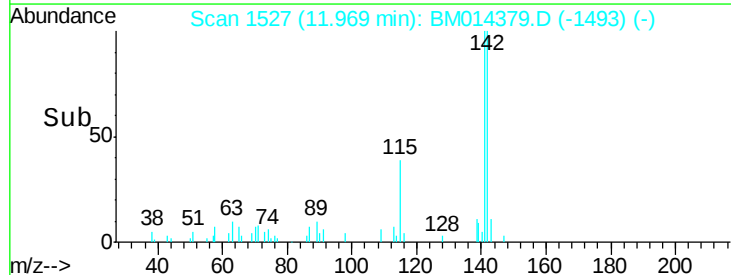
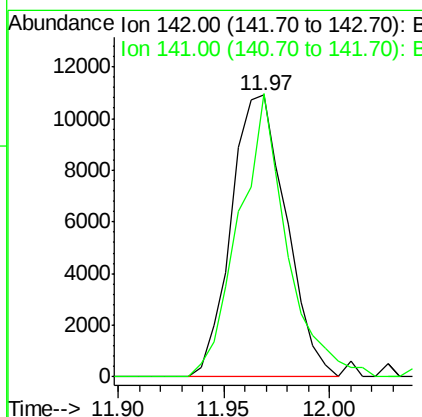
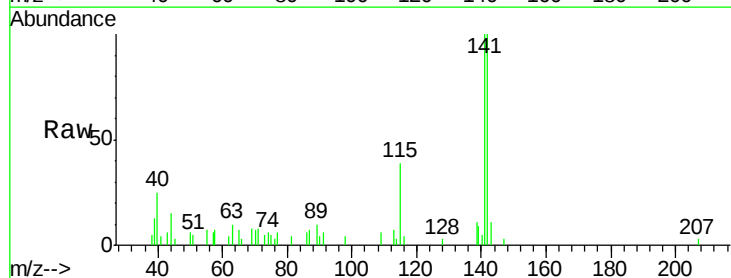
Instrument :
BNA_M
ClientSampleId :
BE5Y6

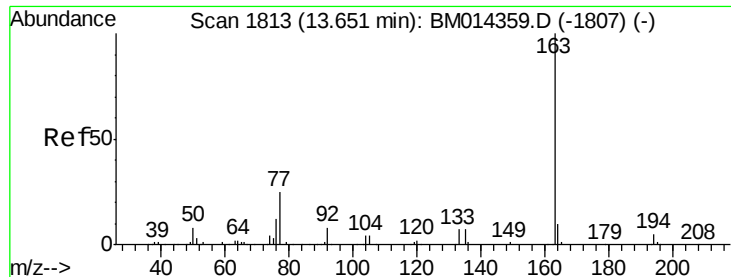
Tot Ion:127 Resp: 7028
Ion Ratio Lower Upper
127 100
129 78.6 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 1.255 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Tgt Ion:142 Resp: 19588
Ion Ratio Lower Upper
142 100
141 100.5 74.1 111.1

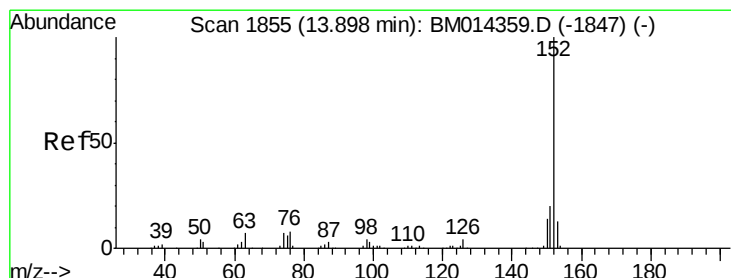
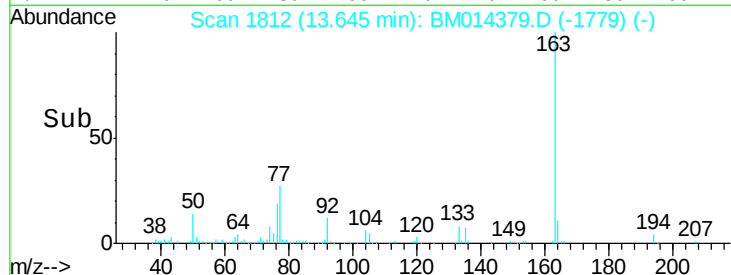
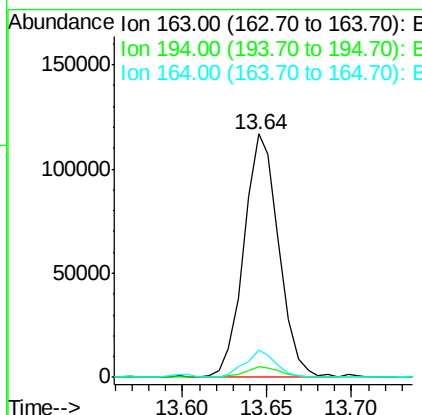
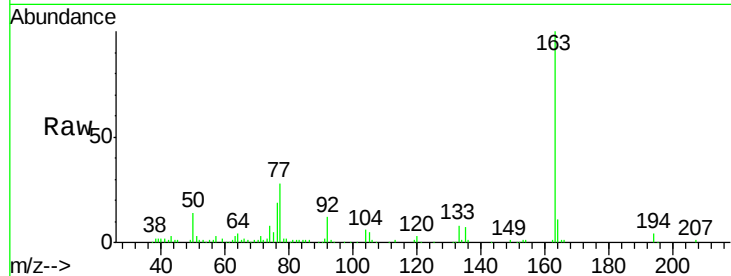




#44
Dimethylphthalate
Concen: 8.990 ng/ul
RT: 13.64 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

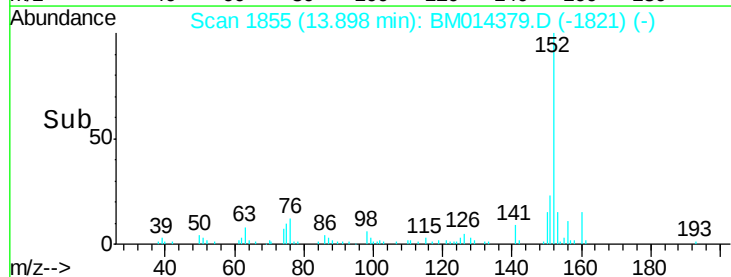
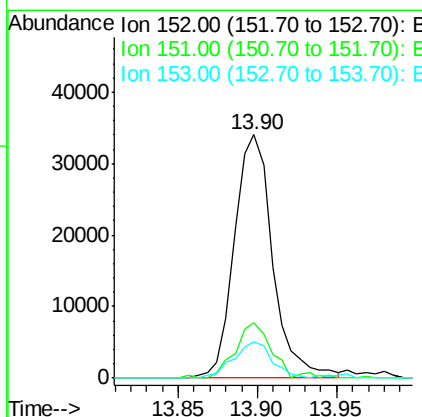
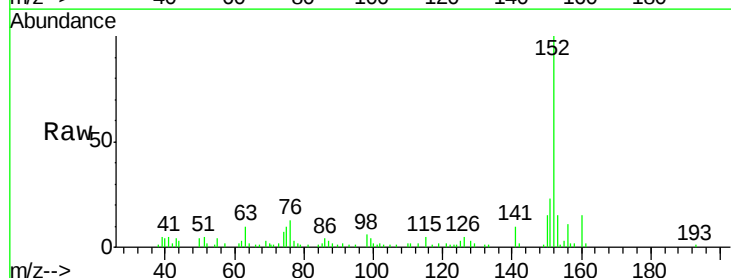
Instrument :
BNA_M
ClientSampleId :
BE5Y6

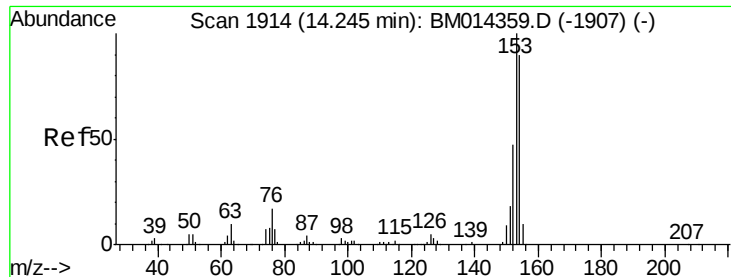
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	11.3	8.2	12.4



#47
Acenaphthylene
Concen: 2.612 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.3	24.5
153	14.9	10.2	15.4





#49

Acenaphthene

Concen: 3.612 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

Instrument :

BNA_M

ClientSampleId :

BE5Y6

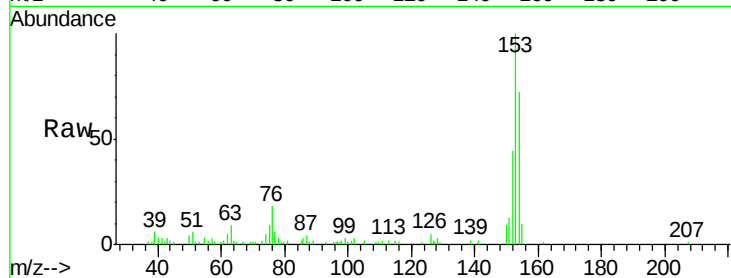
Tot Ion:153 Resp: 55812

Ion Ratio Lower Upper

153 100

152 43.6 37.6 56.4

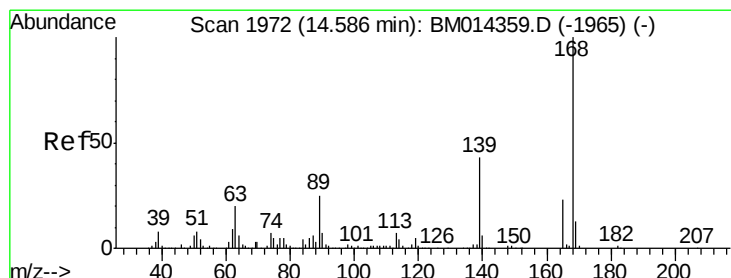
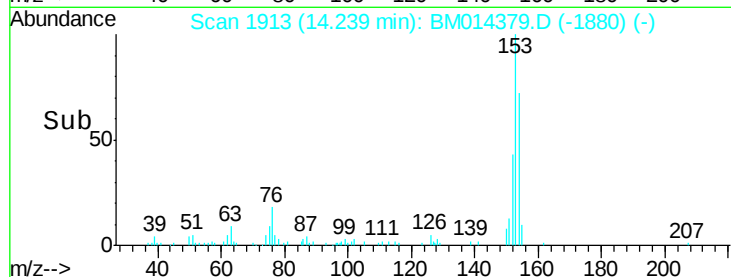
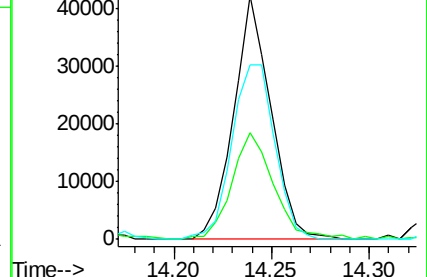
154 71.7 70.4 105.6



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: 2.397 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BM014379.D

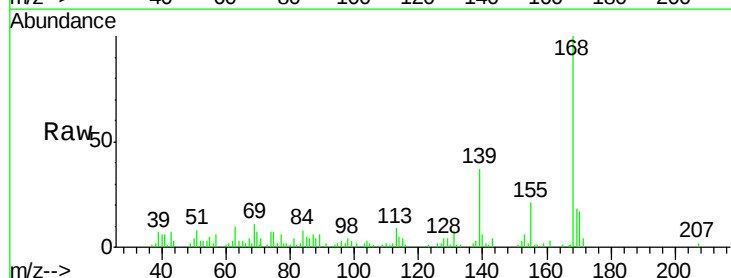
Acq: 27 Feb 2018 13:00

Tgt Ion:168 Resp: 55544

Ion Ratio Lower Upper

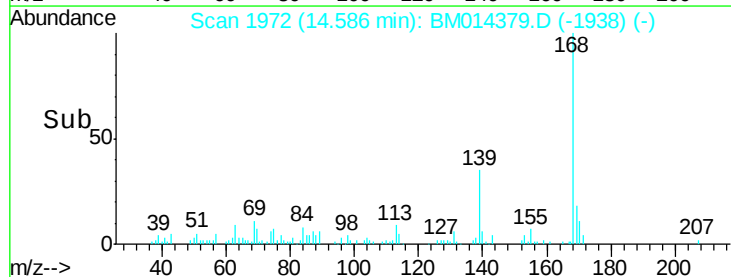
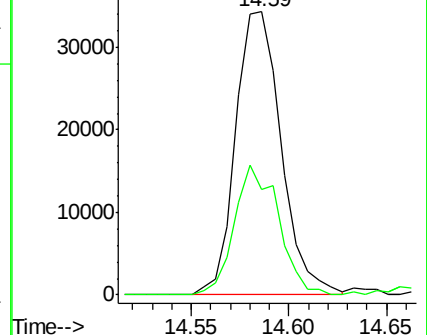
168 100

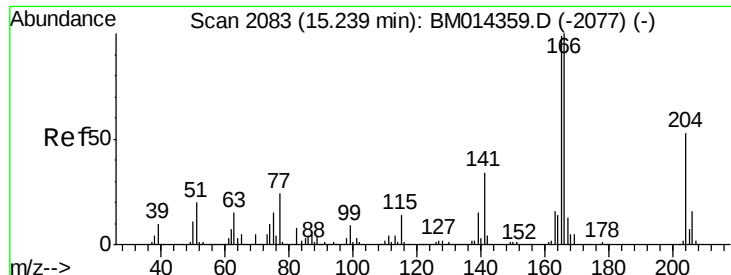
139 37.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.848 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

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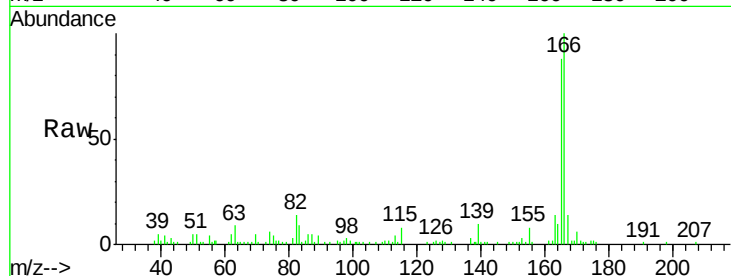
Tot Ion:166 Resp: 76962

Ion Ratio Lower Upper

166 100

165 88.3 77.9 116.9

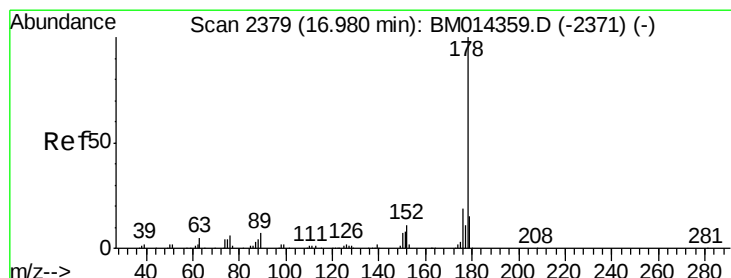
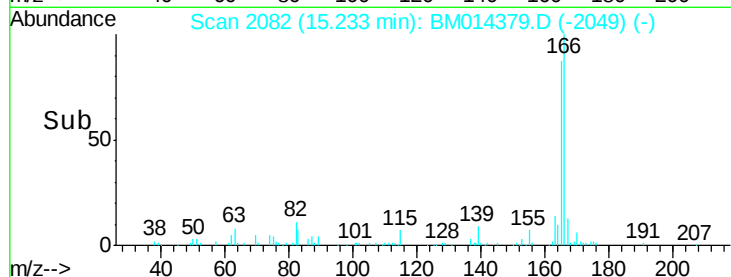
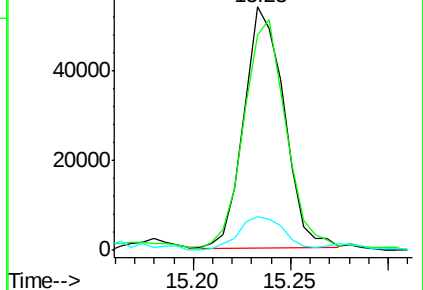
167 13.8 10.6 16.0



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: 55.772 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

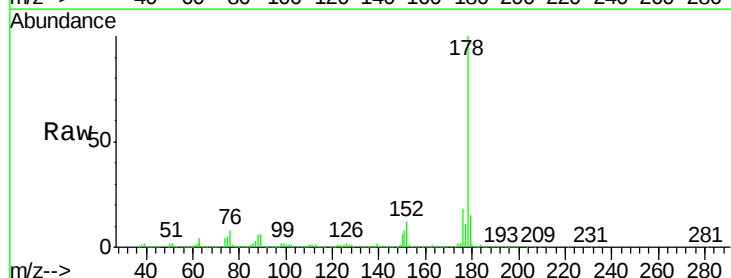
Tgt Ion:178 Resp: 1587089

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

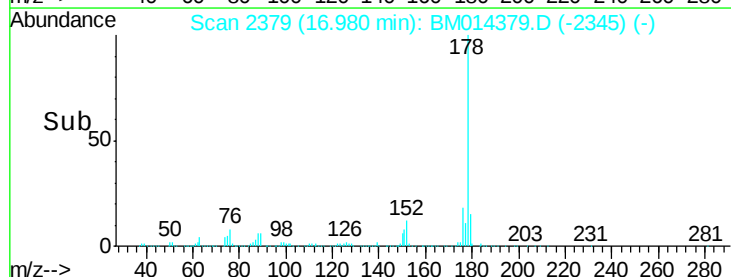
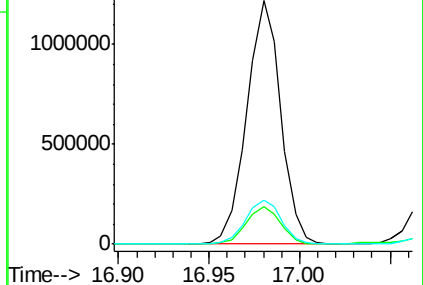
176 18.3 14.9 22.3

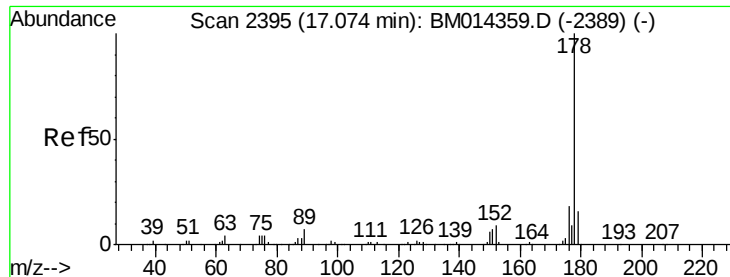


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

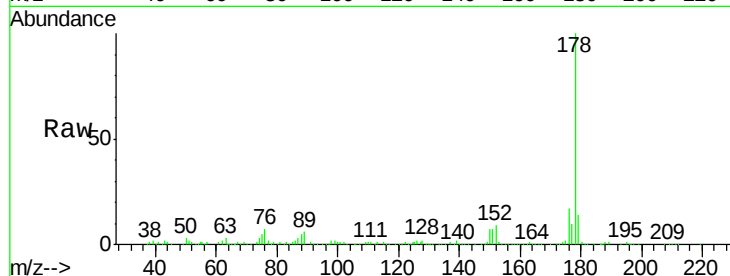




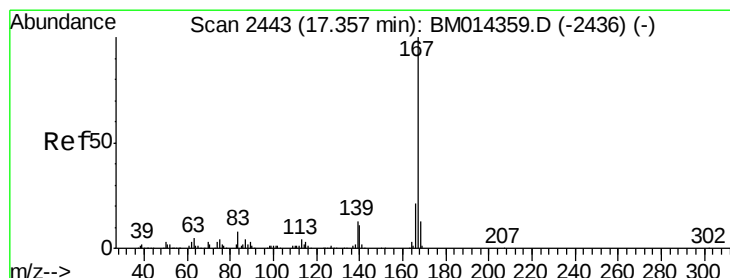
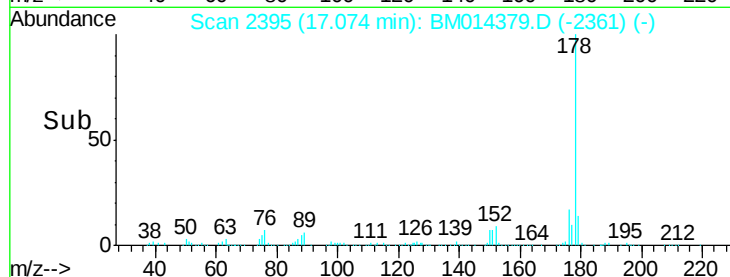
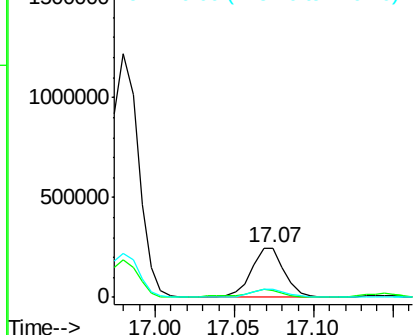
#71
 Anthracene
 Concen: 12.225 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM014379.D
 Acq: 27 Feb 2018 13:00

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y6

Tot Ion:178 Resp: 349863
 Ion Ratio Lower Upper
 178 100
 179 13.6 11.7 17.5
 176 17.1 14.6 21.8

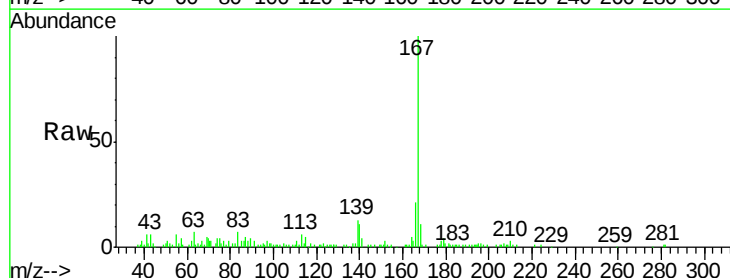


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

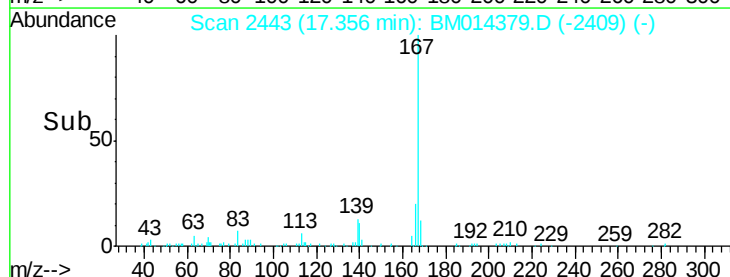
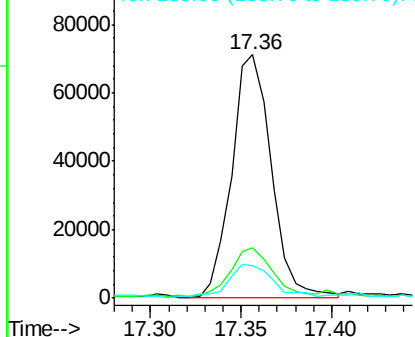


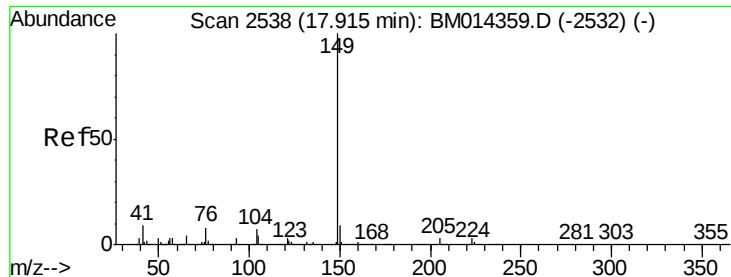
#72
 Carbazole
 Concen: 4.527 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BM014379.D
 Acq: 27 Feb 2018 13:00

Tgt Ion:167 Resp: 108938
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.1 25.7
 139 13.5 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

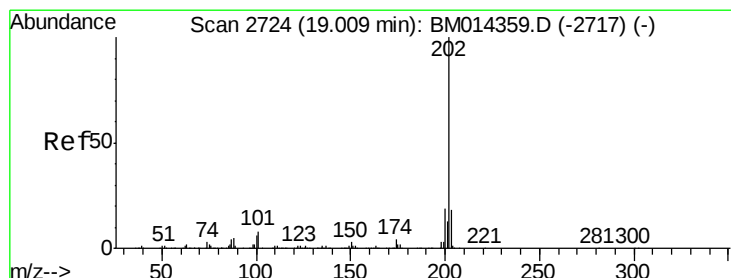
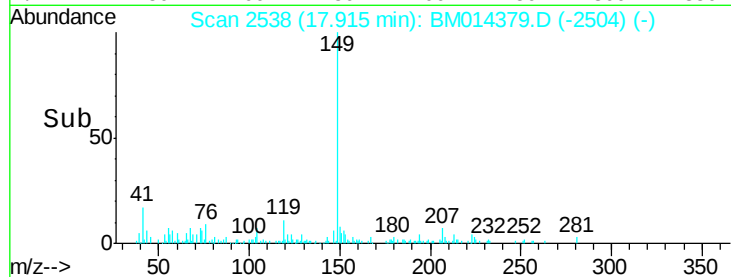
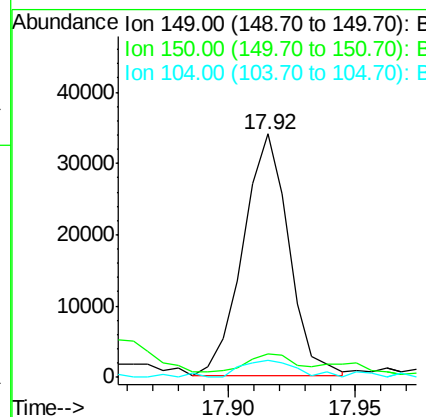
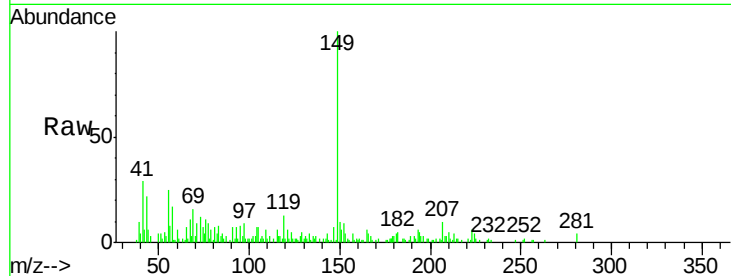




#73
Di-n-butylphthalate
Concen: 1.370 ng/ul
RT: 17.92 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

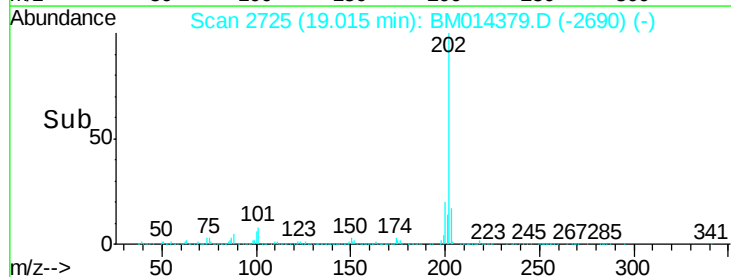
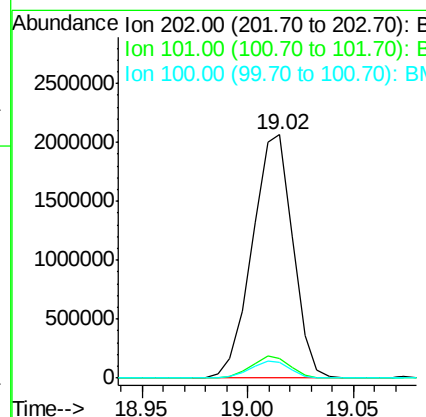
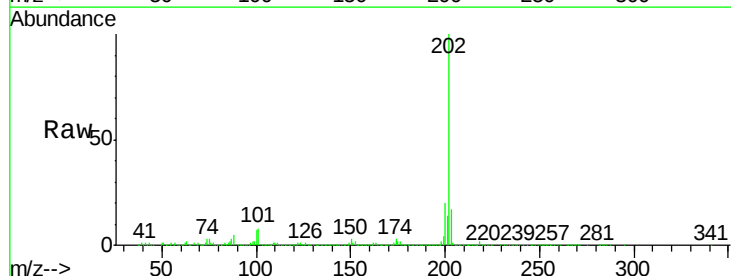
Instrument :
BNA_M
ClientSampleId :
BE5Y6

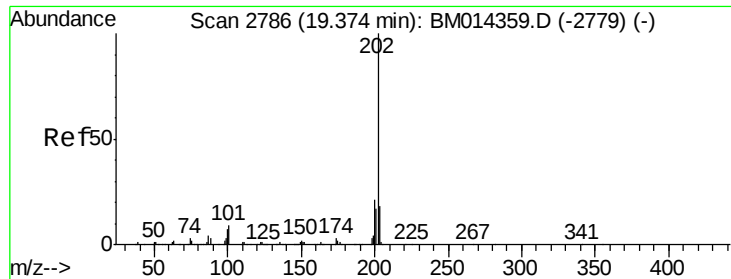
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.1	10.7
104	7.0	5.6	8.4



#74
Fluoranthene
Concen: 80.910 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	4.6	7.0#
100	6.5	3.4	5.2#





#77

Pvrene

Concen: 78.704 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

Instrument :

BNA_M

ClientSampleId :

BE5Y6

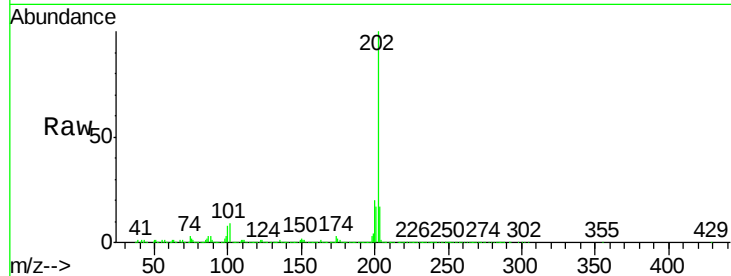
Tot Ion:202 Resp: 2536092

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

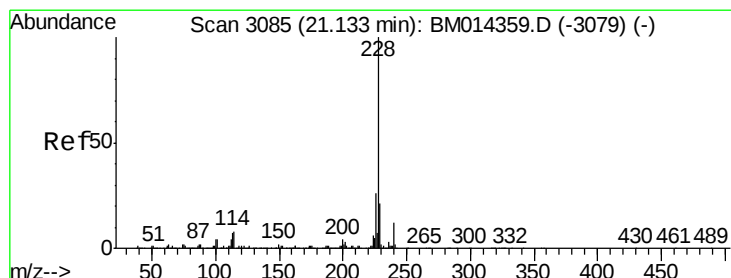
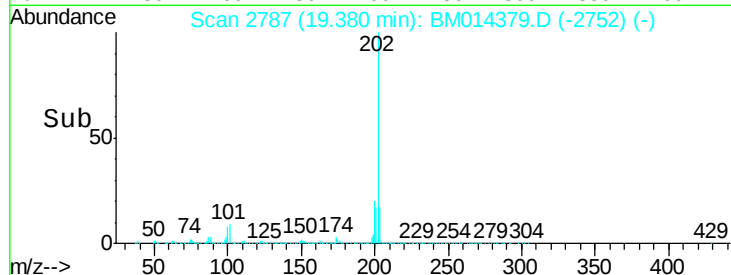
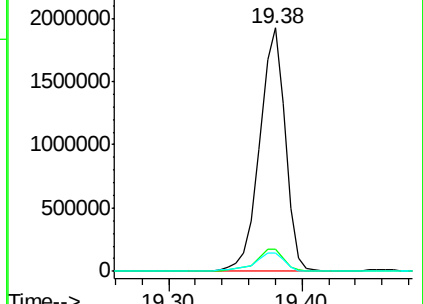
100 7.7 4.9 7.3#



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: 46.487 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

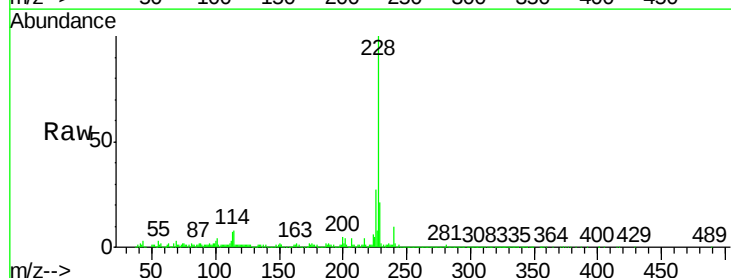
Tgt Ion:228 Resp: 1406750

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

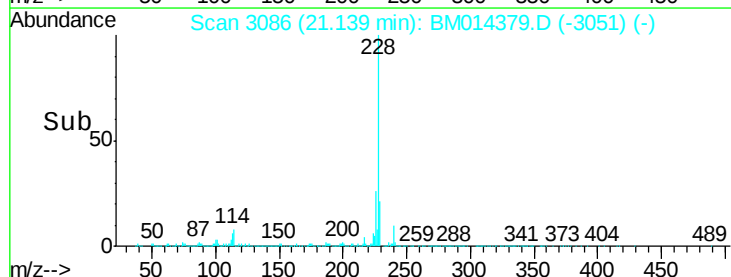
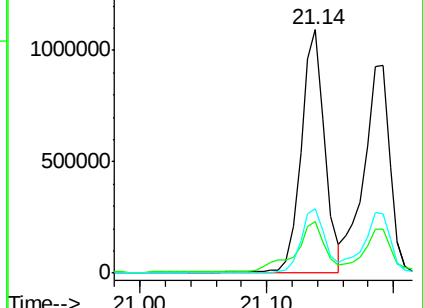
226 26.6 21.4 32.0

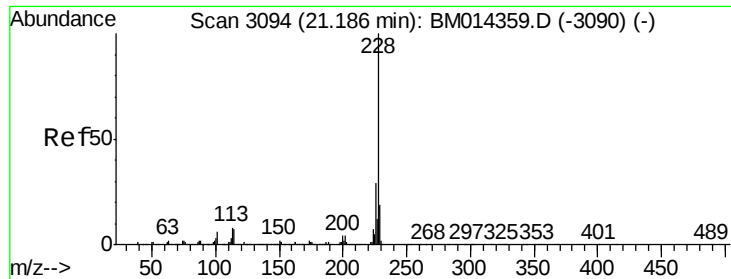


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 46.404 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

Instrument :

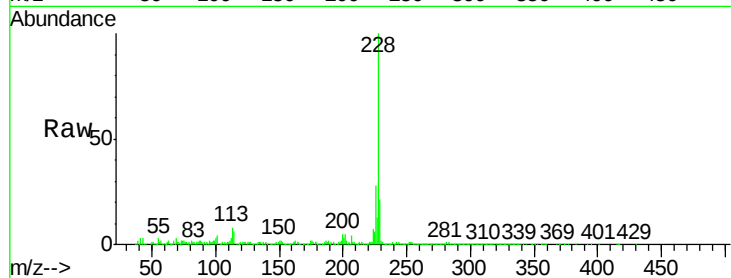
BNA_M

ClientSampled :

BE5Y6

Tot Ion:228 Resp: 1309972

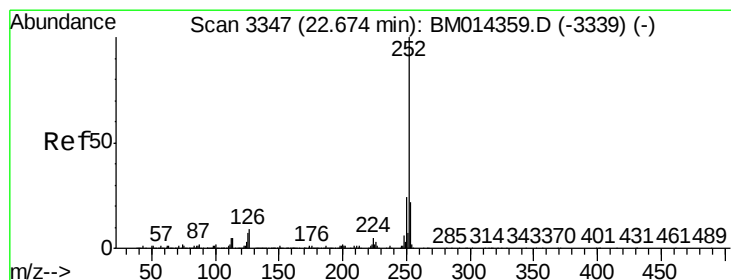
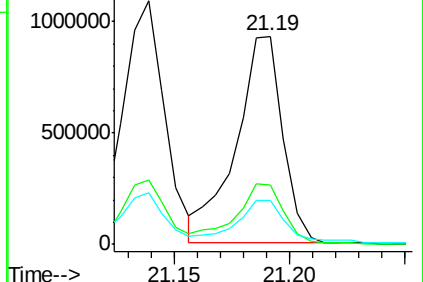
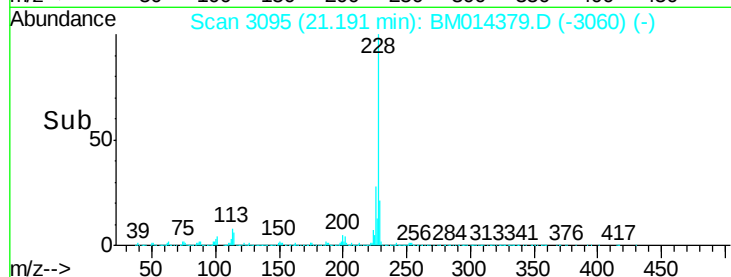
Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.2
229	21.4	15.5	23.3



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: 56.452 ng/ul

RT: 22.69 min Scan# 3349

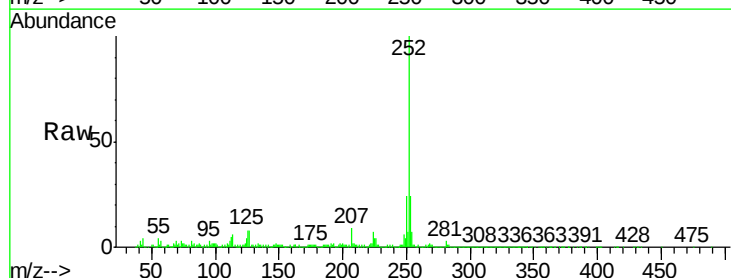
Delta R.T. 0.01 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

Tgt Ion:252 Resp: 1730647

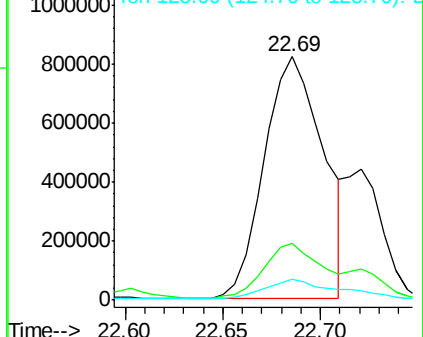
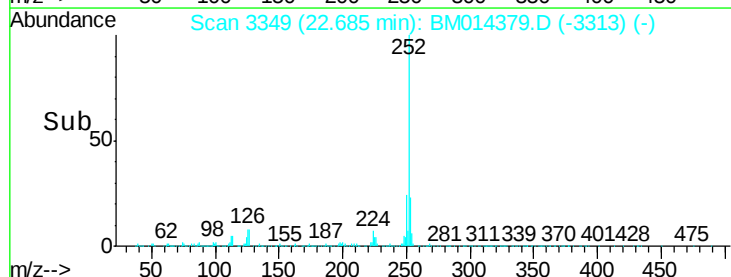
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	8.5	3.6	5.4

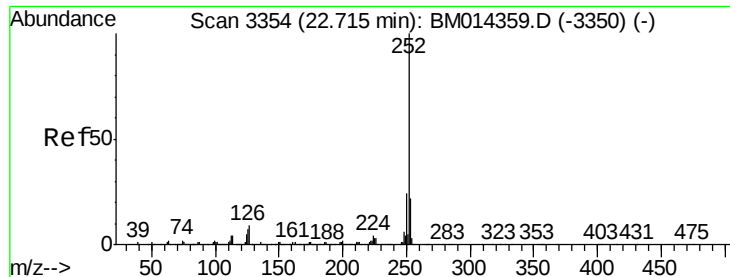


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

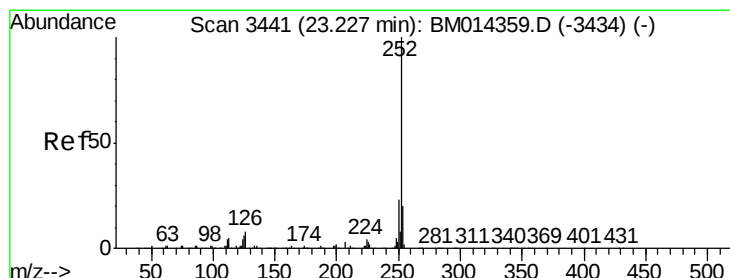
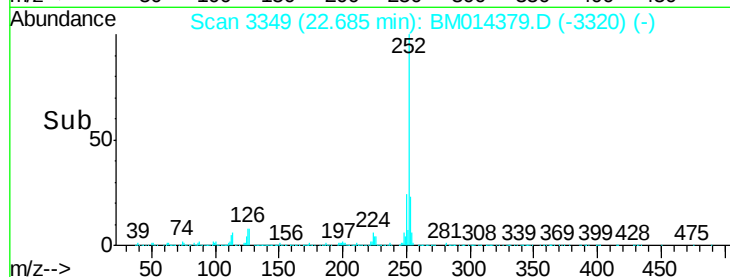
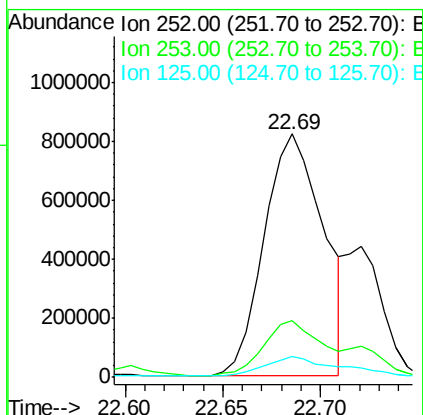
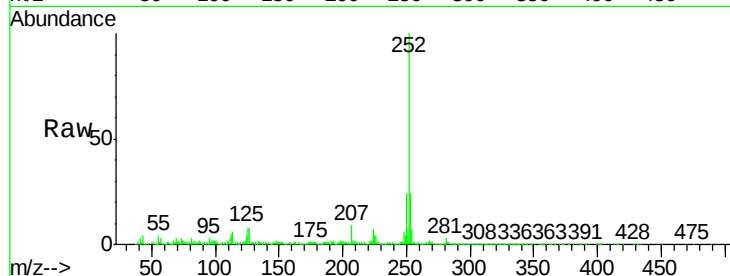




#86
Benzo(k)fluoranthene
Concen: 59.376 ng/ul
RT: 22.69 min Scan# 3349
Delta R.T. -0.03 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

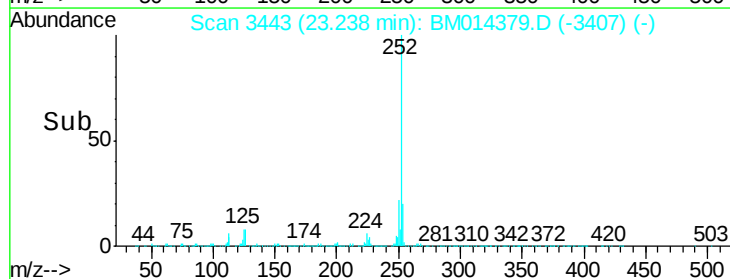
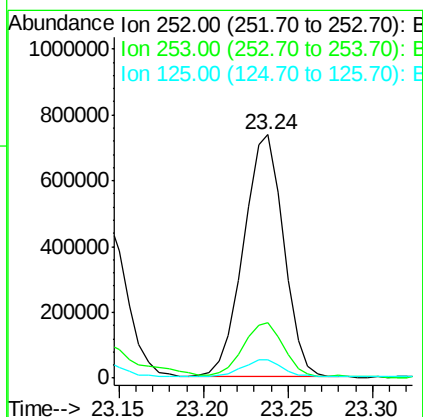
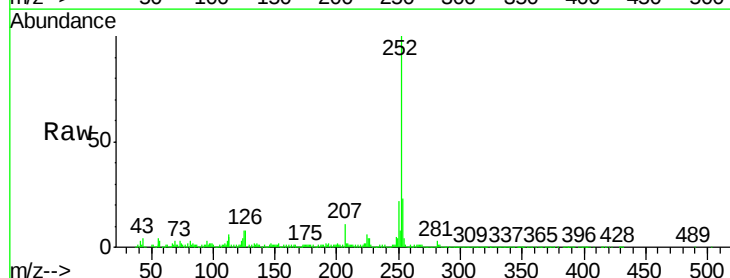
Instrument :
BNA_M
ClientSampleId :
BE5Y6

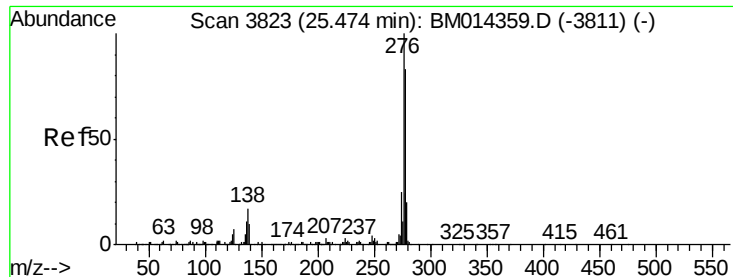
Tot Ion:252 Resp: 1730647
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 8.5 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 44.511 ng/ul
RT: 23.24 min Scan# 3443
Delta R.T. 0.01 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Tgt Ion:252 Resp: 1219371
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 7.7 4.0 6.0#



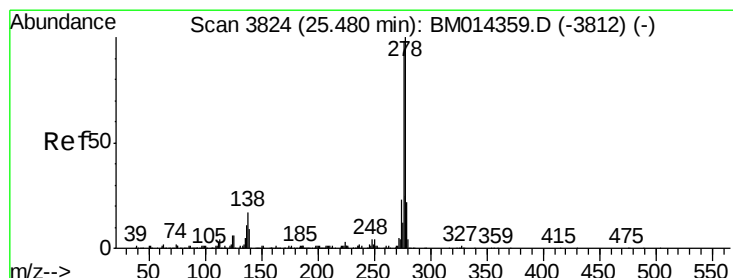
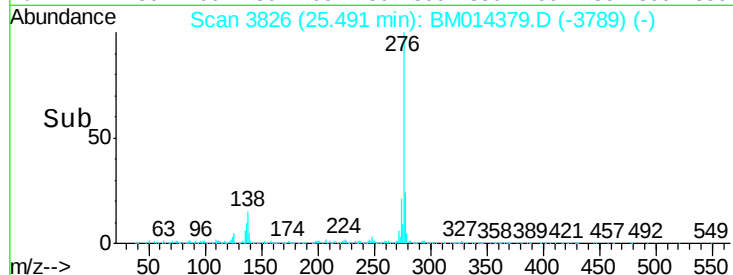
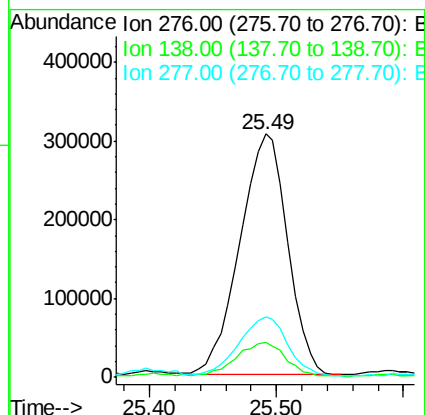
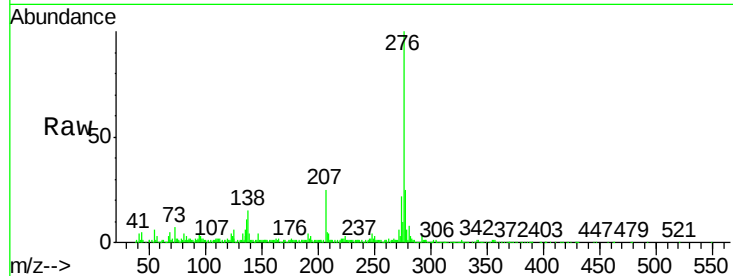


#89

Indeno(1,2,3-cd)pyrene
Concen: 30.048 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.02 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Instrument :
BNA_M
ClientSampleId :
BE5Y6

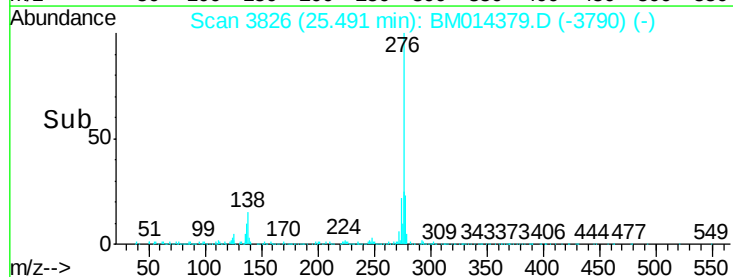
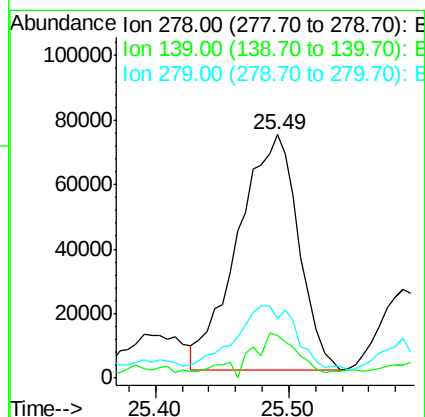
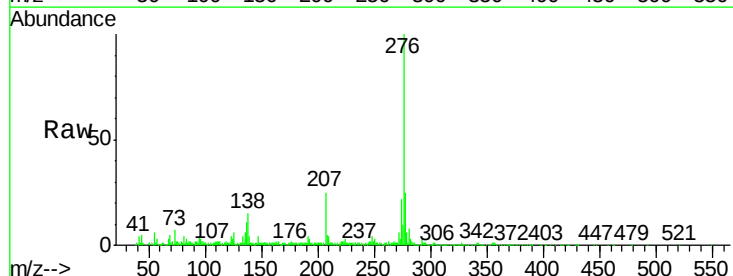
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.6	9.3	13.9#
277	24.9	19.9	29.9

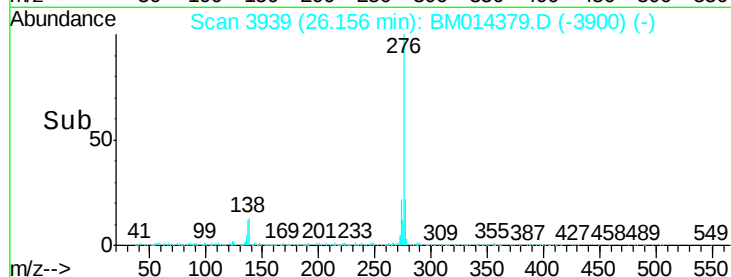
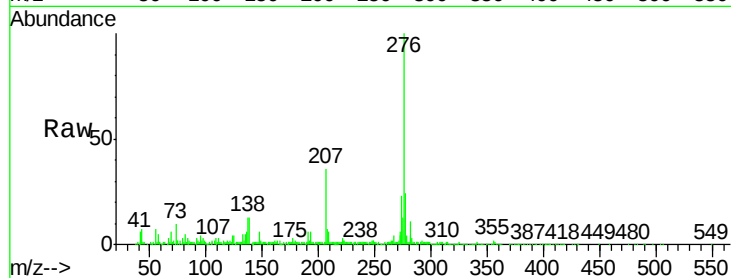
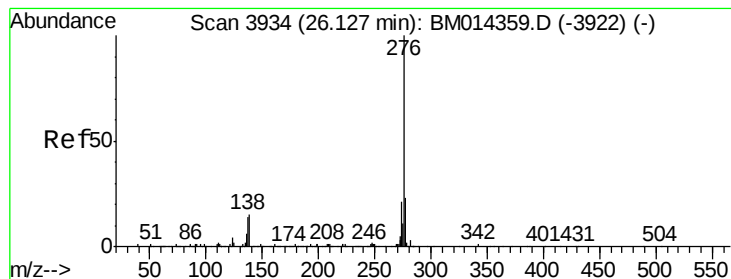


#90

Dibenzo(a,h)anthracene
Concen: 10.310 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014379.D
Acq: 27 Feb 2018 13:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	5.8	8.8#
279	24.3	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 27.644 ng/ul

RT: 26.16 min Scan# 3939

Delta R.T. 0.03 min

Lab File: BM014379.D

Acq: 27 Feb 2018 13:00

Instrument :

BNA_M

ClientSampleId :

BE5Y6

Tot Ion:276 Resp: 595307

Ion Ratio Lower Upper

276 100

138 13.3 8.5 12.7#

277 24.0 18.6 28.0

