

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014374.D
 Acq On : 27 Feb 2018 01:47
 Operator : SJ/JU
 Sample : J1646-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:27:33 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	157419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	712778	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	400166	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	789350	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	542968	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	483820	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	15919	4.33	ng/uL	0.00
5) Phenol-d5	6.73	99	377439	28.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	227707	28.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	314704	30.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	303355	26.06	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	162535	30.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	180179	33.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	332431	29.44	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	283000	25.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1070659	32.40	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1350313	33.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	92908	20.36	ng/ul	0.02
57) Fluorene-d10	15.19	176	862652	29.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	32515	6.87	ng/ul	0.02
70) Anthracene-d10	17.05	188	1238340	32.52	ng/ul	0.00
76) Pyrene-d10	19.36	212	1071846	38.27	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	737912	31.34	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.75	94	44497	3.187	ng/ul	97
28) Naphthalene	10.35	128	128233	3.503	ng/ul	97
30) 4-Chloroaniline	10.35	127	17157	1.512	ng/ul#	1
44) Dimethylphthalate	13.65	163	268824	8.250	ng/ul	100
47) Acenaphthylene	13.90	152	120587	3.131	ng/ul	96
49) Acenaphthene	14.25	153	77577	2.860	ng/ul	98
53) Dibenzofuran	14.59	168	61368	1.509	ng/ul	88
58) Fluorene	15.25	166	83871	2.389	ng/ul	95
69) Phenanthrene	16.99	178	1823700	40.100	ng/ul	99
71) Anthracene	17.08	178	405226	8.860	ng/ul	98
72) Carbazole	17.36	167	150981	3.926	ng/ul#	96
74) Fluoranthene	19.02	202	2847485	52.406	ng/ul#	93
77) Pyrene	19.39	202	2390307	66.243	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	1086905	32.075	ng/ul	97
82) Chrysene	21.19	228	923557	29.215	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1067148	32.941	ng/ul#	97
86) Benzo(k)fluoranthene	22.69	252	1067148	34.647	ng/ul#	97
88) Benzo(a)pyrene	23.24	252	781701	27.003	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	485542	17.284	ng/ul	98
90) Dibenzo(a,h)anthracene	25.50	278	138263	5.923	ng/ul#	87
91) Benzo(a,h,i)perylene	26.16	276	361327	15.878	ng/ul#	97

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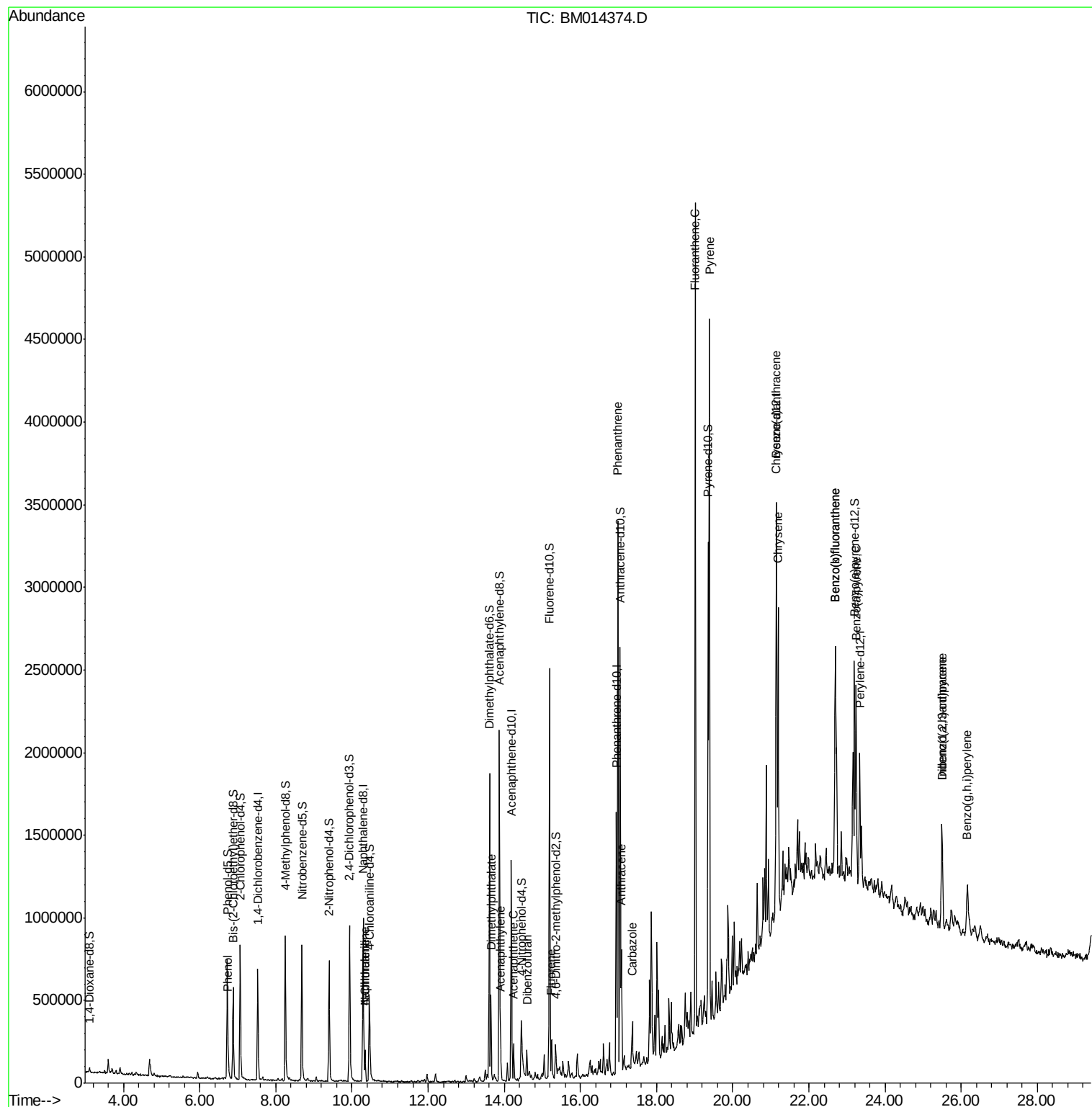
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

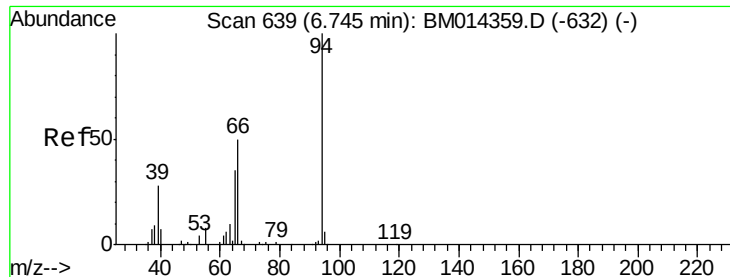
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#6

Phenol

Concen: 3.187 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

ClientSampleId :

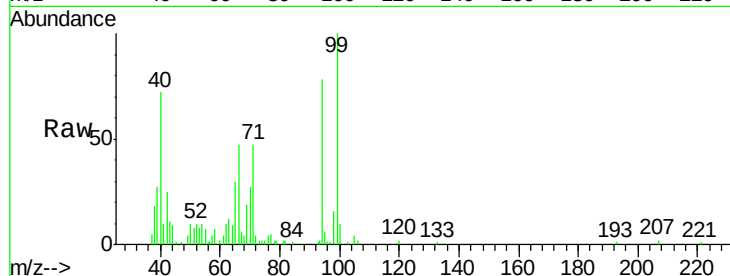
Tot Ion: 94 Resp: 44497

Ion Ratio Lower Upper

94 100

65 38.4 28.2 42.4

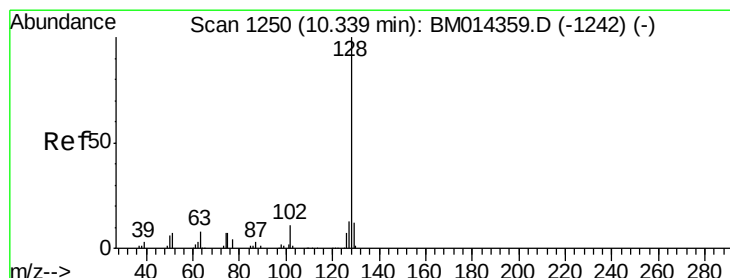
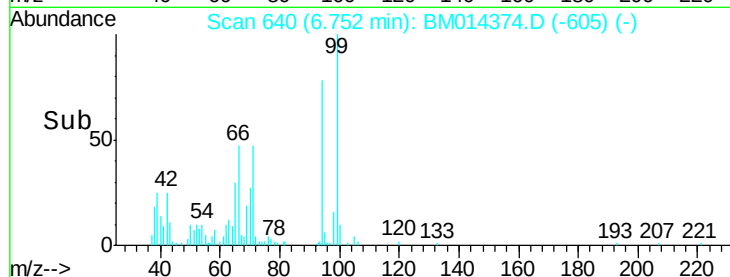
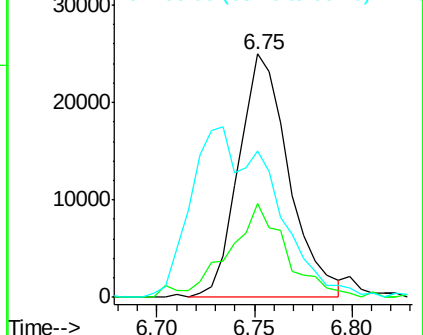
66 60.2 47.2 70.8



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) (-)



#28

Naphthalene

Concen: 3.503 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

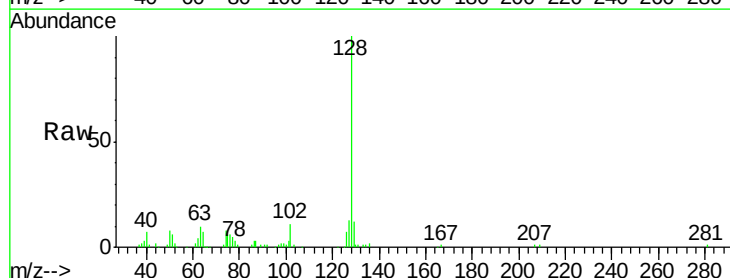
Tgt Ion: 128 Resp: 128233

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

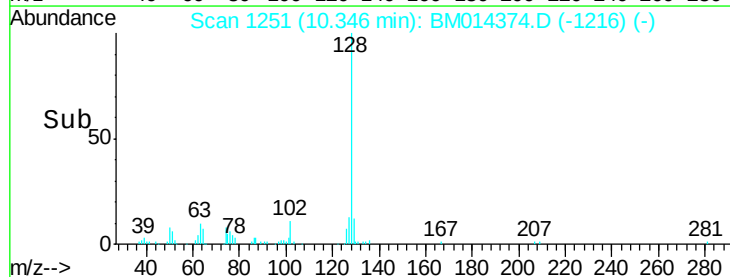
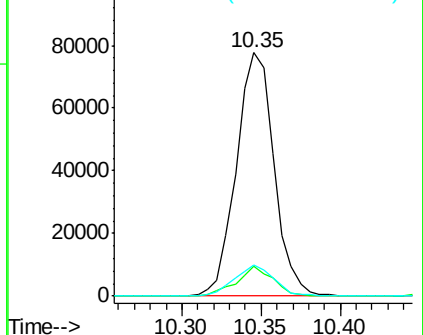
127 12.6 10.6 16.0

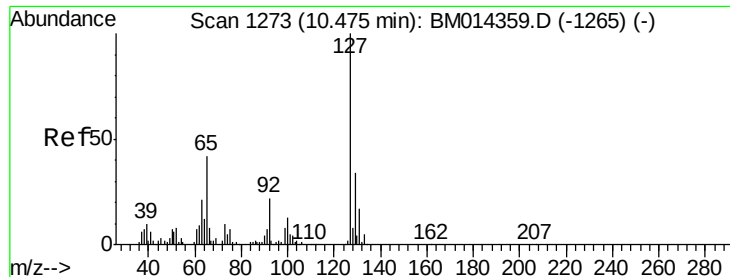


Abundance Ion 128.00 (127.70 to 128.70): BM014359.D (-1242) (-)

Ion 129.00 (128.70 to 129.70): BM014359.D (-1242) (-)

Ion 127.00 (126.70 to 127.70): BM014359.D (-1242) (-)

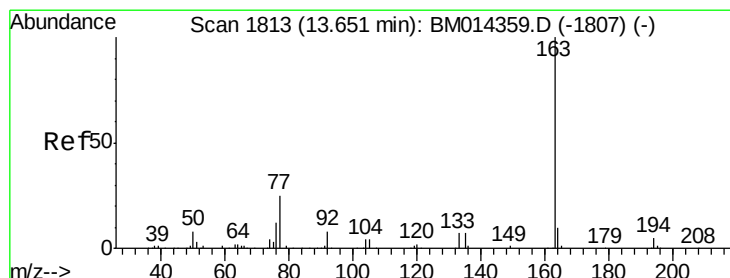
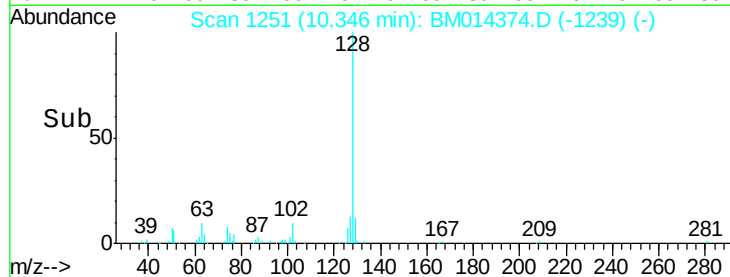
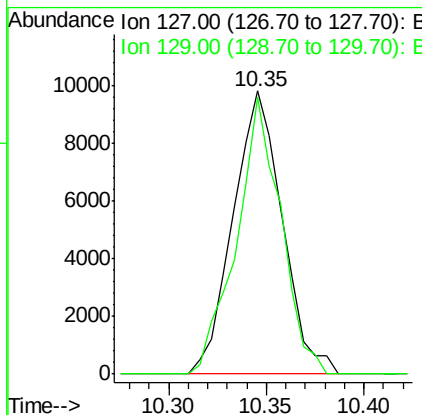
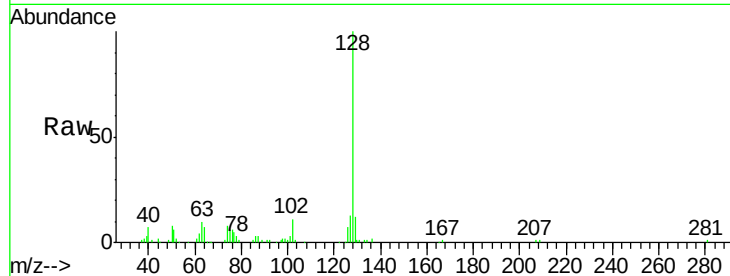




#30
 4-Chloroaniline
 Concen: 1.512 ng/ul
 RT: 10.35 min Scan# 1251
 Delta R.T. -0.13 min
 Lab File: BM014374.D
 Acq: 27 Feb 2018 01:47

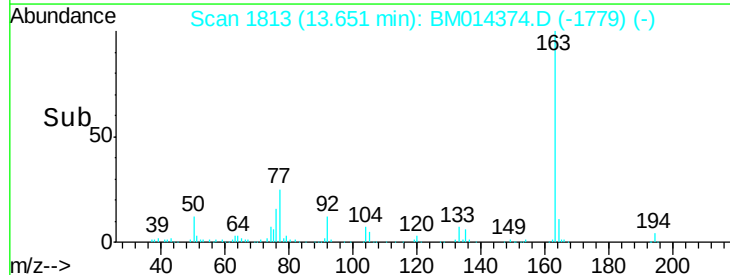
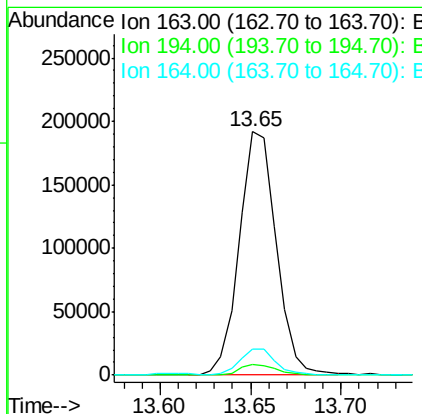
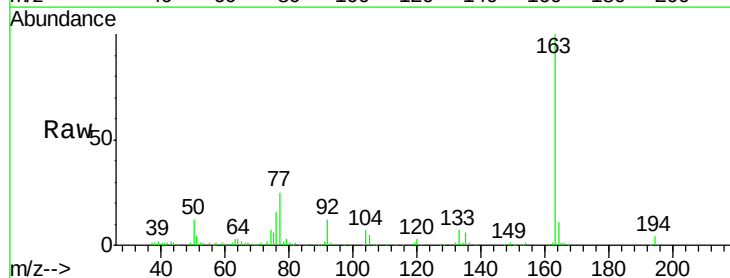
Instrument :
 BNA_M
 ClientSampled :

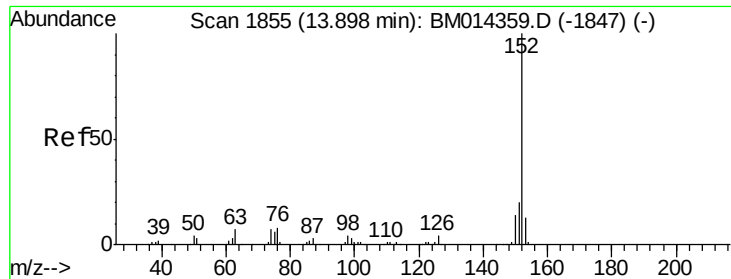
Tot Ion:127 Resp: 17157
 Ion Ratio Lower Upper
 127 100
 129 98.0 28.4 42.6#



#44
 Dimethylphthalate
 Concen: 8.250 ng/ul
 RT: 13.65 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: BM014374.D
 Acq: 27 Feb 2018 01:47

Tgt Ion:163 Resp: 268824
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.5 5.3
 164 10.5 8.2 12.4





#47

Acenaphthylene

Concen: 3.131 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

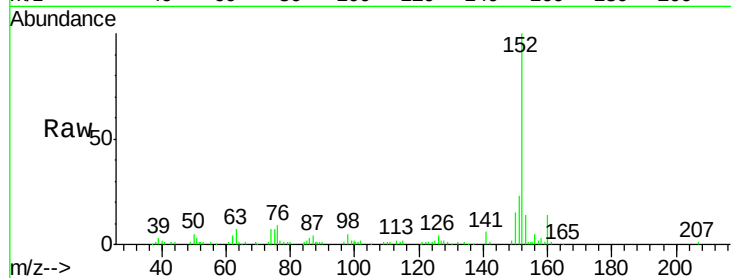
Instrument :

BNA_M

ClientSampled :

Tot Ion:152 Resp: 120587

Ion	Ratio	Lower	Upper
152	100		
151	22.7	16.3	24.5
153	14.0	10.2	15.4

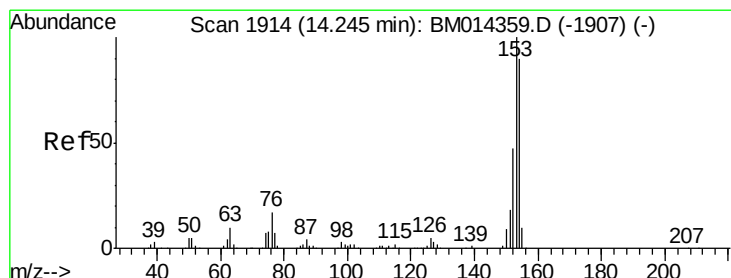
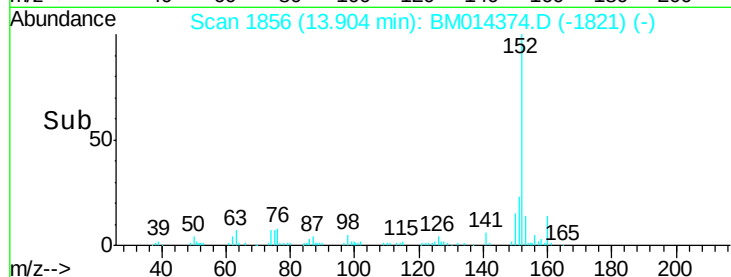
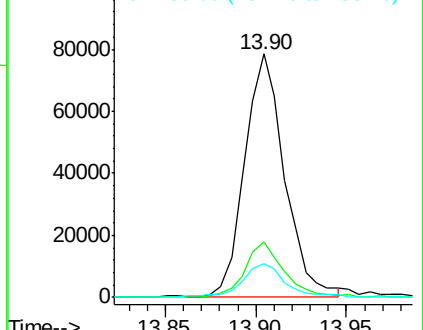


Abundance

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: 2.860 ng/ul

RT: 14.25 min Scan# 1914

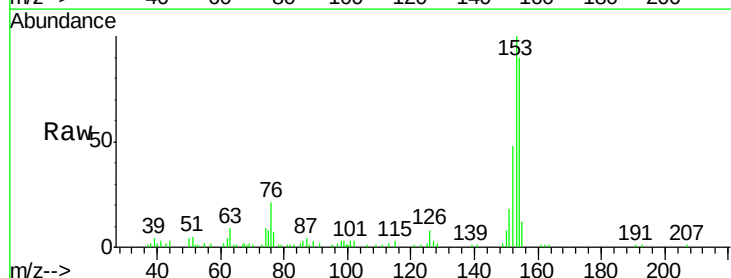
Delta R.T. 0.00 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:153 Resp: 77577

Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.6	56.4
154	89.9	70.4	105.6

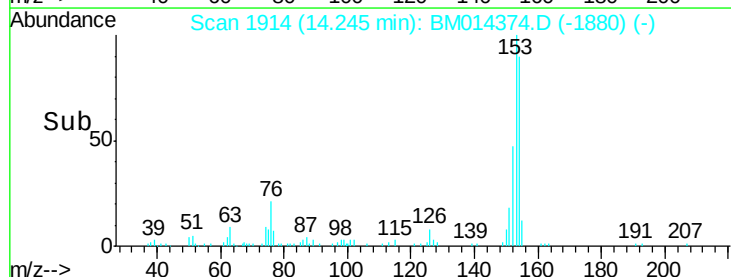
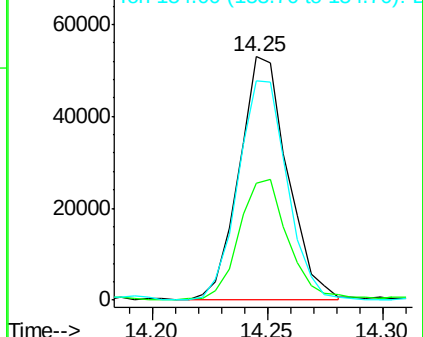


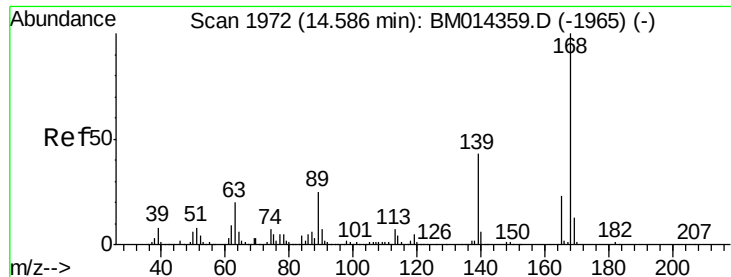
Abundance

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

Dibenzo(f,h)quinoxaline

Concen: 1.509 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

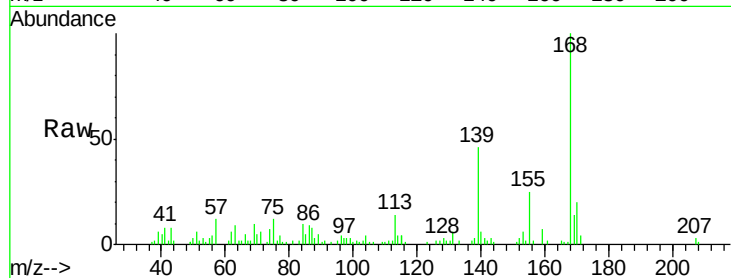
ClientSampleId :

Tot Ion:168 Resp: 61368

Ion Ratio Lower Upper

168 100

139 45.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.59

40000

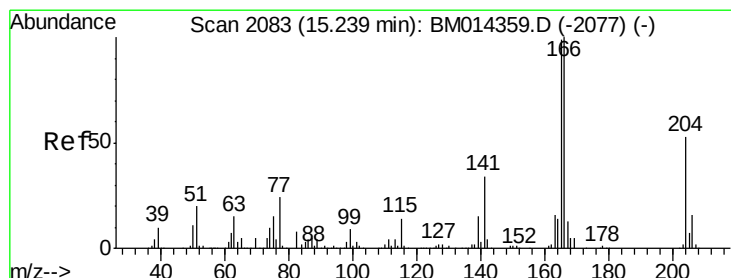
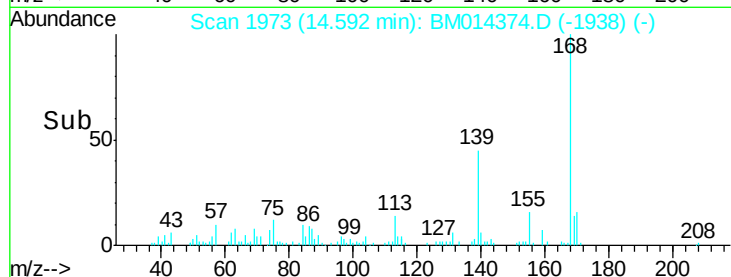
30000

20000

10000

0

Time--> 14.55 14.60 14.65



#58

Fluorene

Concen: 2.389 ng/ul

RT: 15.25 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

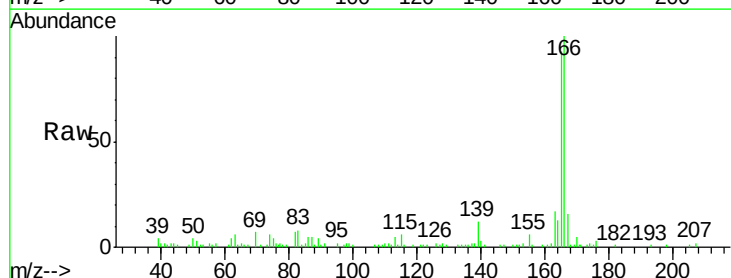
Tgt Ion:166 Resp: 83871

Ion Ratio Lower Upper

166 100

165 92.7 77.9 116.9

167 15.7 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

80000

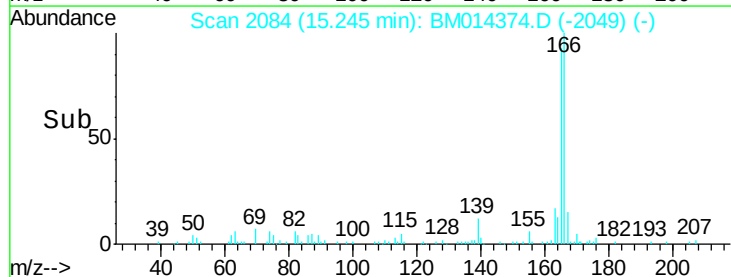
60000

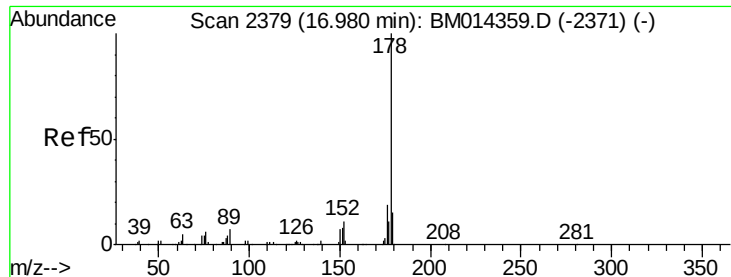
40000

20000

0

Time--> 15.20 15.25 15.30





#69

Phenanthrene

Concen: 40.100 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

ClientSampleId :

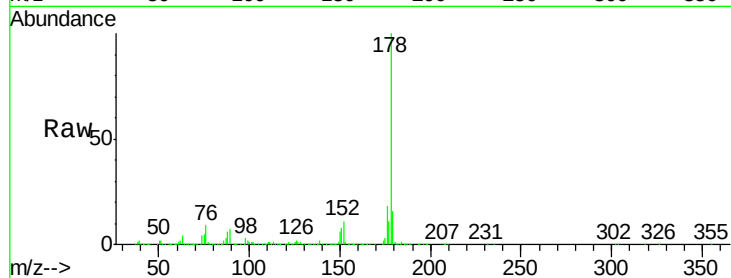
Tot Ion:178 Resp: 1823700

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

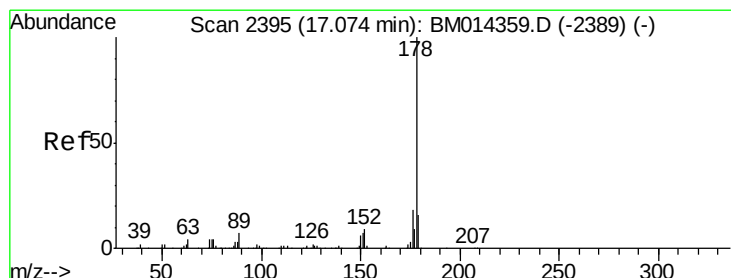
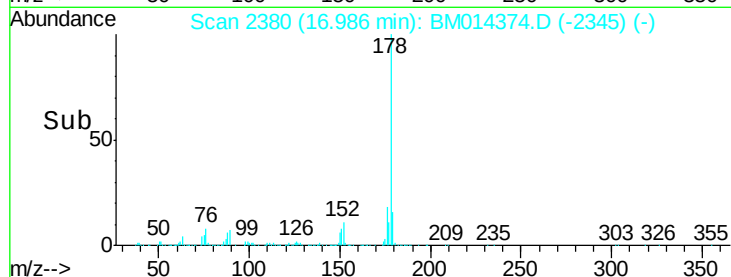
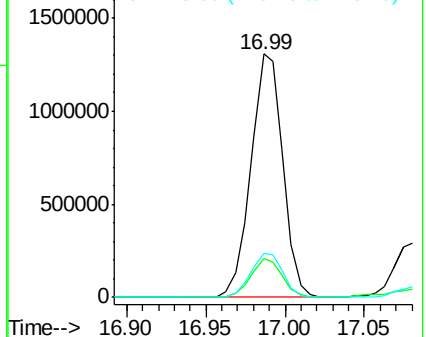
176 18.1 14.9 22.3



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: 8.860 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

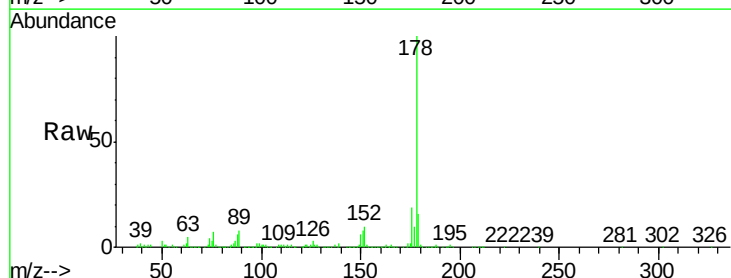
Tgt Ion:178 Resp: 405226

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

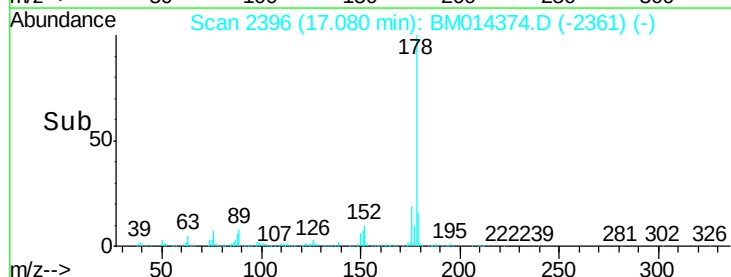
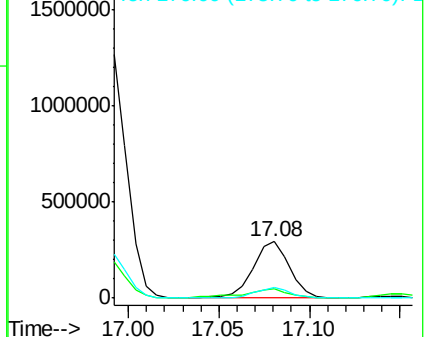
176 18.9 14.6 21.8

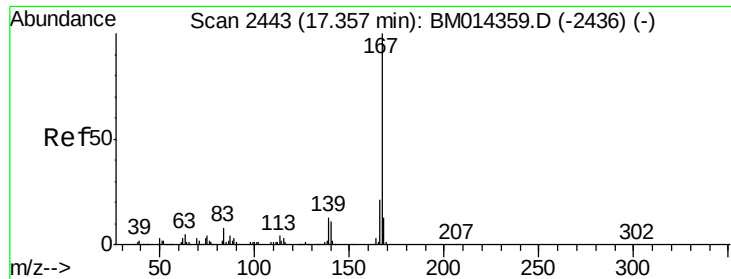


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

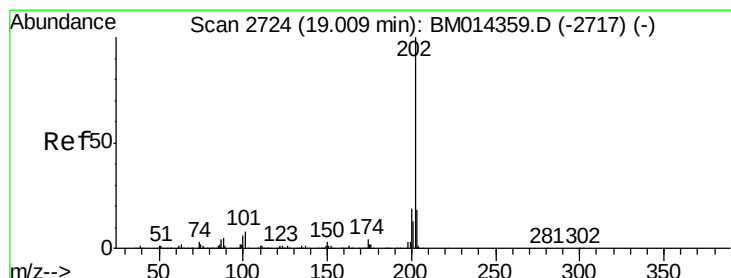
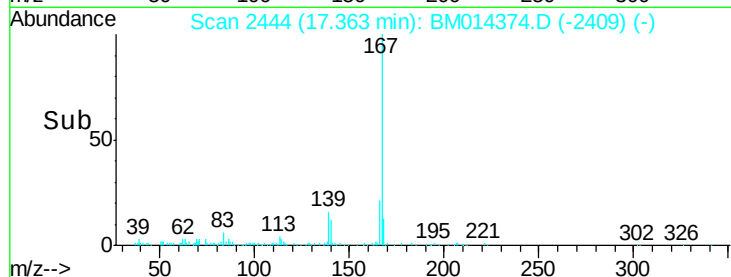
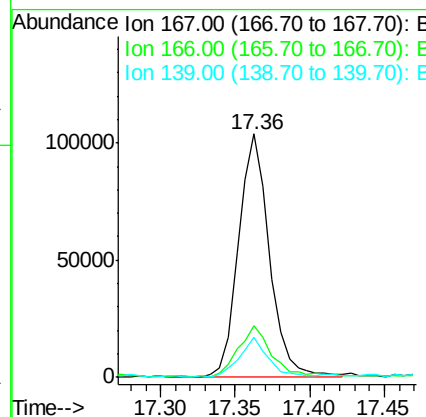
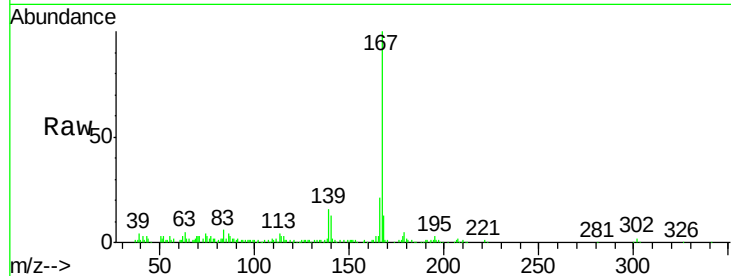




#72
 Carbazole
 Concen: 3.926 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014374.D
 Acq: 27 Feb 2018 01:47

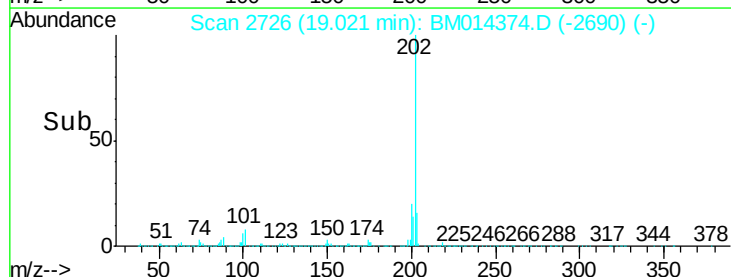
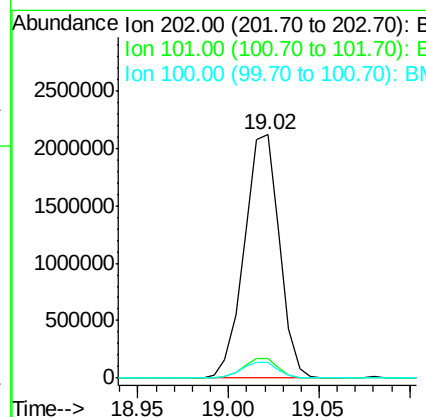
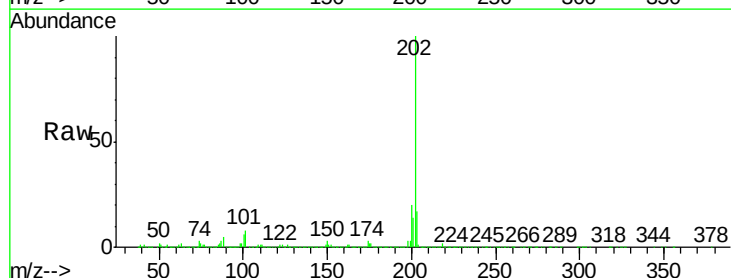
Instrument :
 BNA_M
 ClientSampleId :

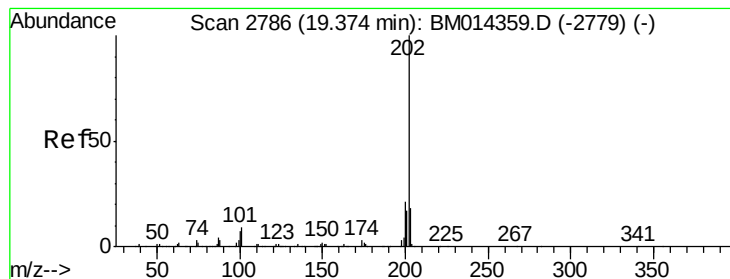
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	16.4	10.0	15.0



#74
 Fluoranthene
 Concen: 52.406 ng/ul
 RT: 19.02 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BM014374.D
 Acq: 27 Feb 2018 01:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	4.6	7.0
100	6.4	3.4	5.2





#77

Pvrene

Concen: 66.243 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

ClientSampled :

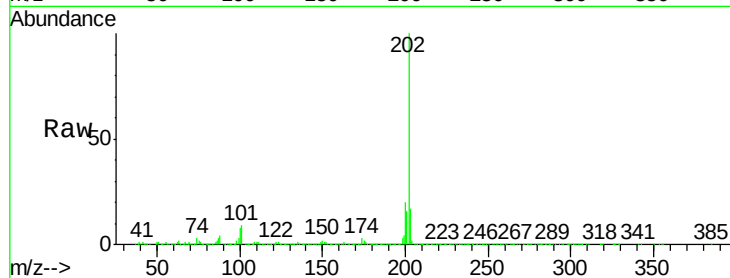
Tot Ion:202 Resp: 2390307

Ion Ratio Lower Upper

202 100

101 9.2 5.1 7.7#

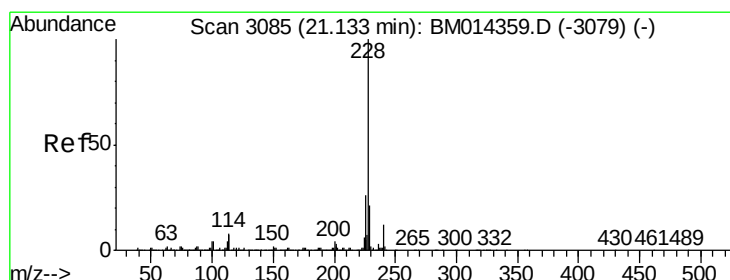
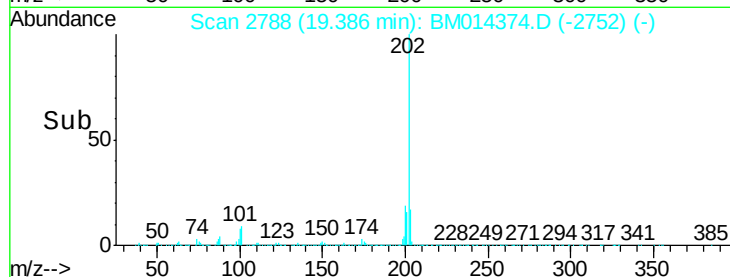
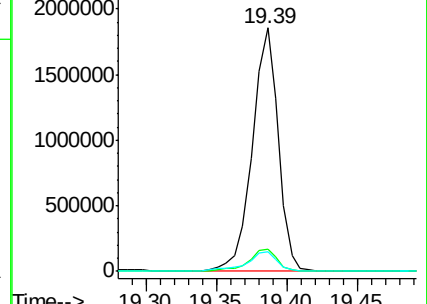
100 8.2 4.9 7.3#



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: 32.075 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

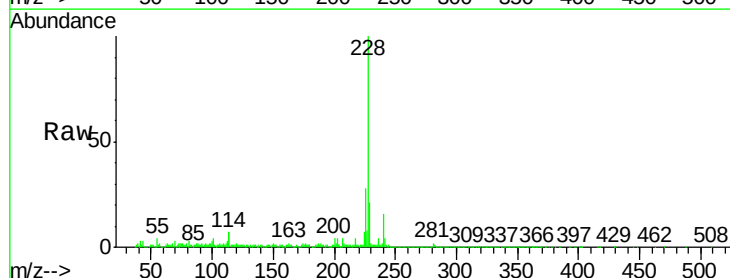
Tgt Ion:228 Resp: 1086905

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

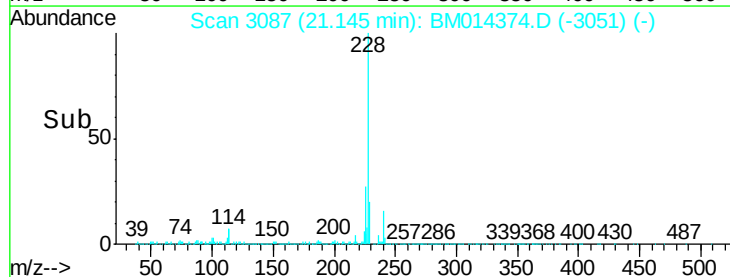
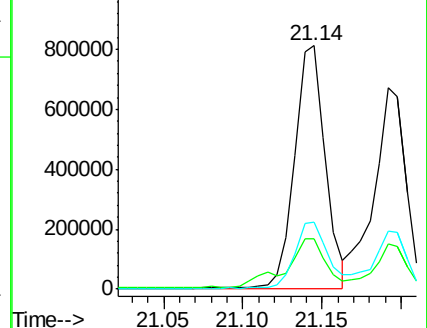
226 27.7 21.4 32.0

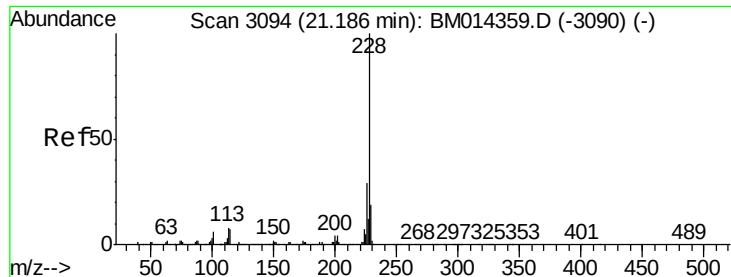


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 29.215 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

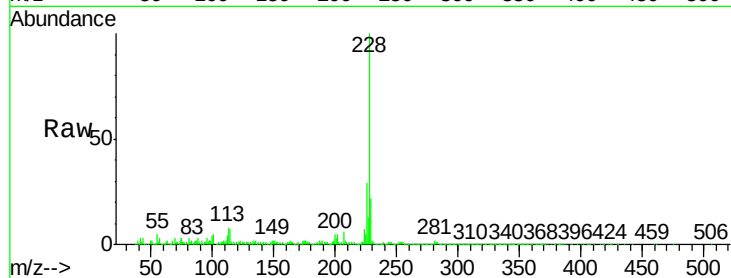
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 923557

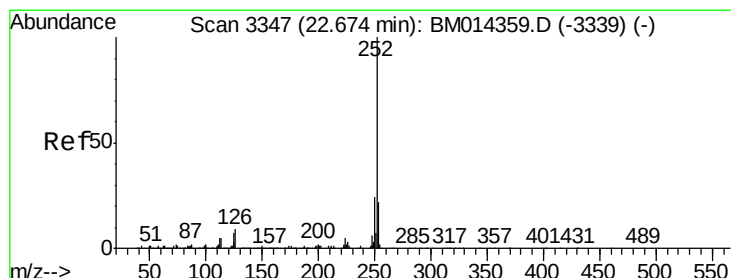
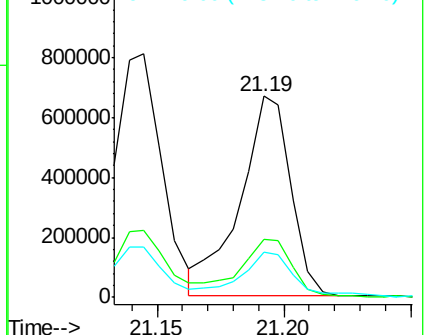
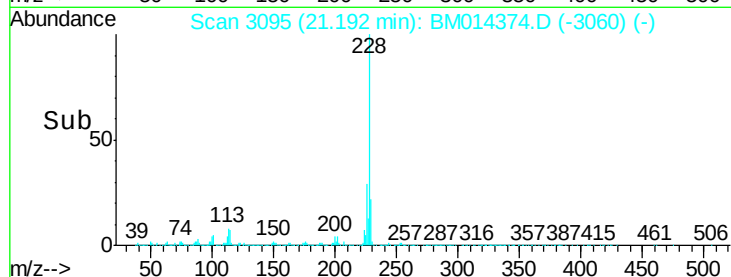
Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.2
229	22.5	15.5	23.3



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: 32.941 ng/ul

RT: 22.69 min Scan# 3350

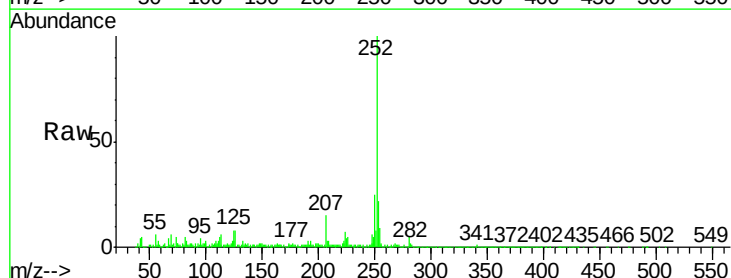
Delta R.T. 0.02 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:252 Resp: 1067148

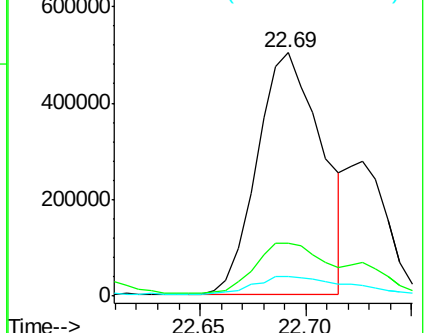
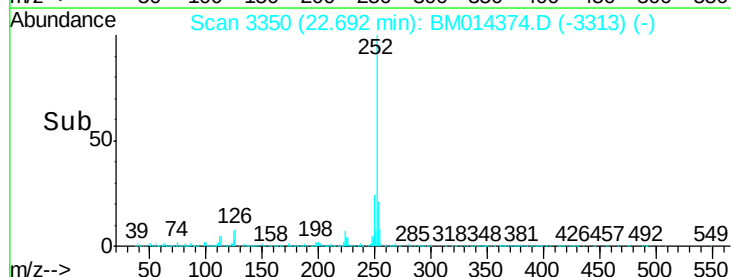
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	8.0	3.6	5.4

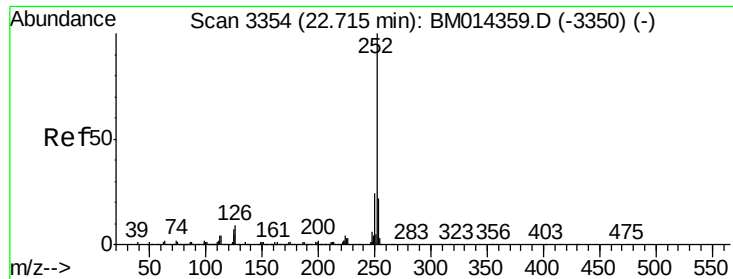


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

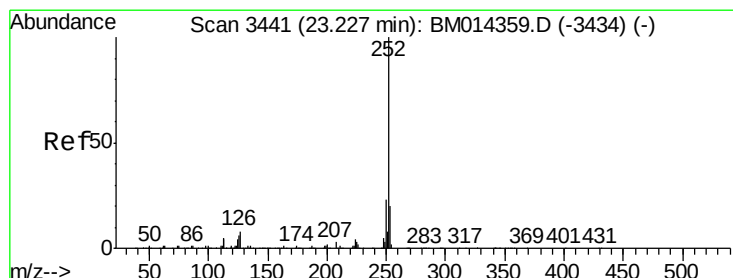
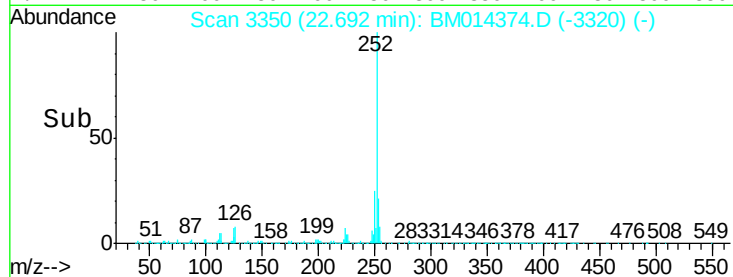
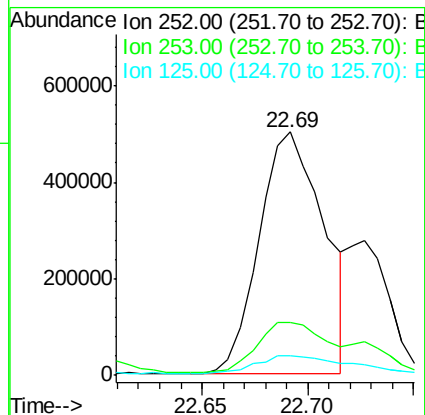
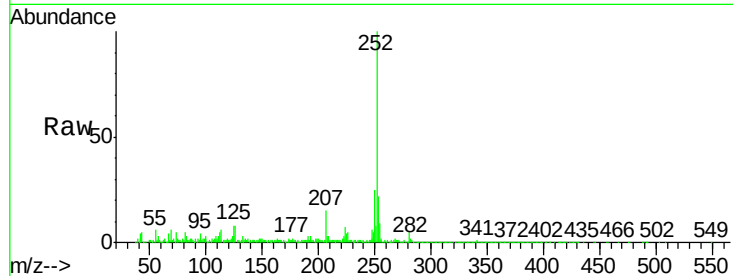




#86
Benzo(k)fluoranthene
Concen: 34.647 ng/ul
RT: 22.69 min Scan# 3350
Delta R.T. -0.02 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

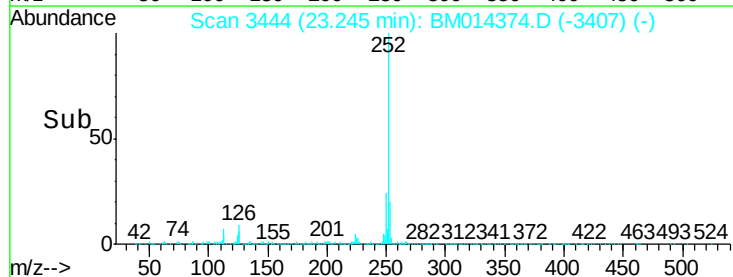
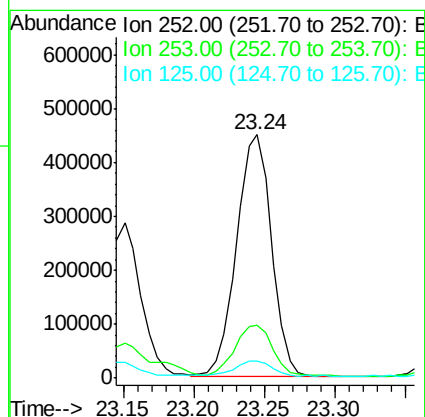
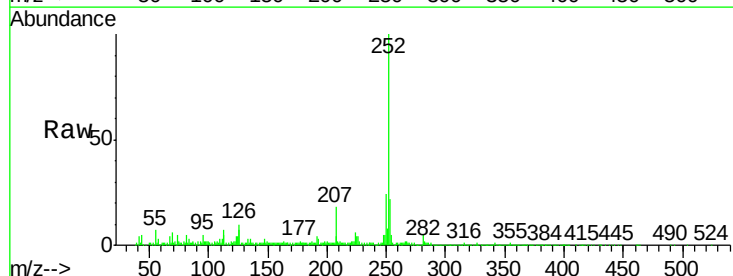
Instrument :
BNA_M
ClientSampleId :

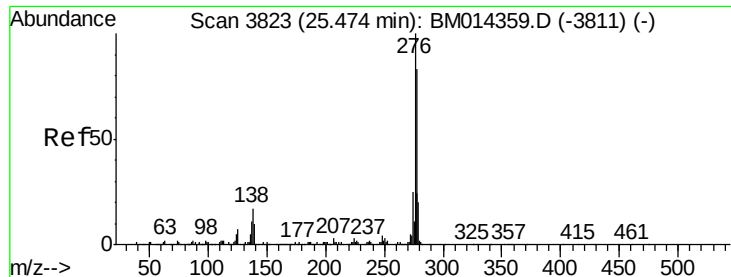
Tot Ion:252 Resp: 1067148
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 8.0 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 27.003 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. 0.02 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Tgt Ion:252 Resp: 781701
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 6.8 4.0 6.0#



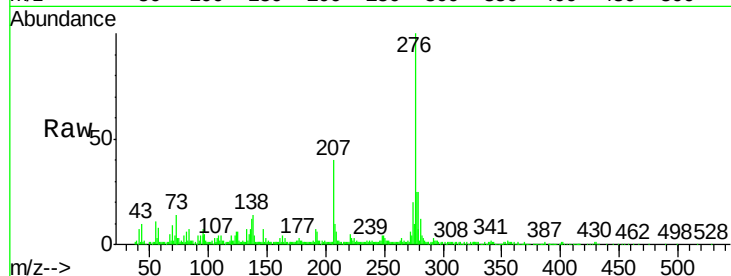


#89

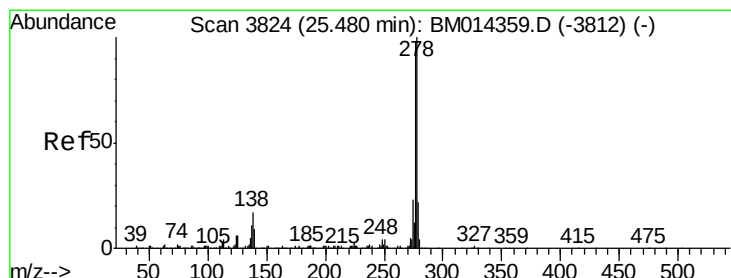
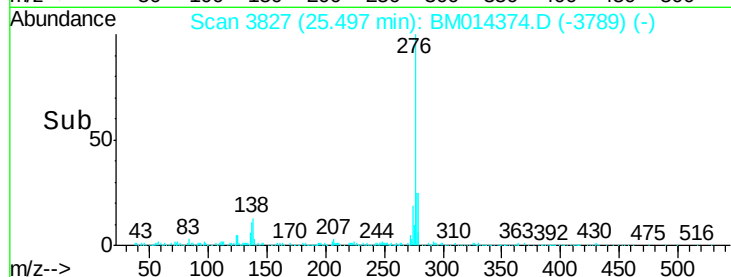
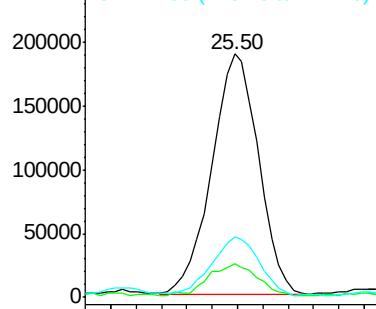
Indeno(1,2,3-cd)pyrene
Concen: 17.284 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.6	9.3	13.9
277	25.0	19.9	29.9



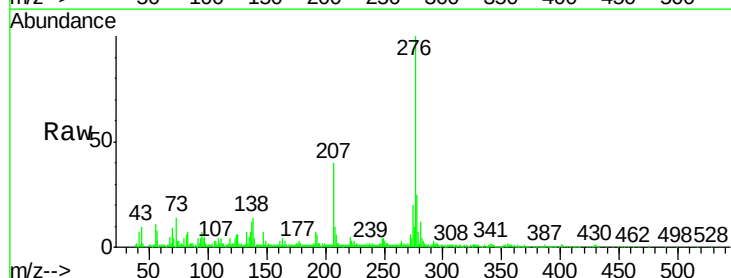
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



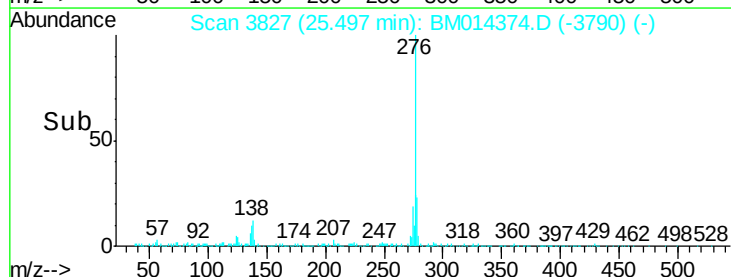
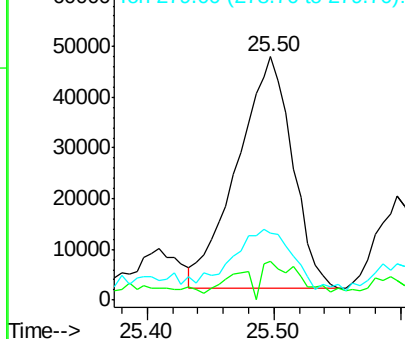
#90

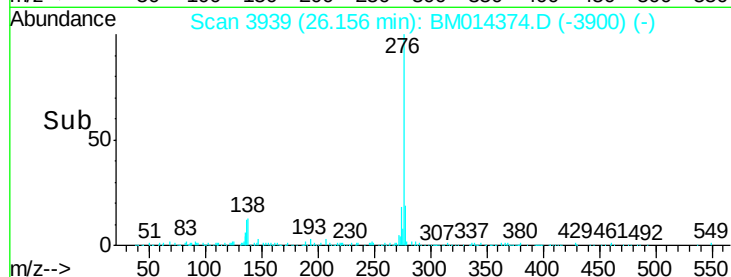
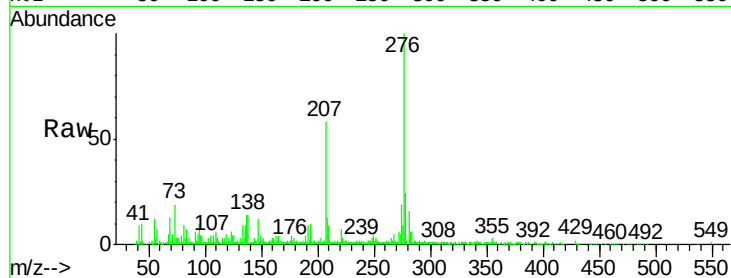
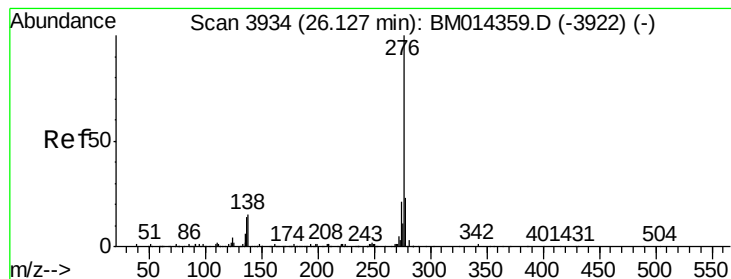
Dibenzo(a,h)anthracene
Concen: 5.923 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	5.8	8.8#
279	27.7	18.6	27.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 15.878 ng/ul

RT: 26.16 min Scan# 3939

Delta R.T. 0.03 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 361327

Ion Ratio Lower Upper

276 100

138 13.8 8.5 12.7#

277 23.8 18.6 28.0

