

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014385.D
 Acq On : 27 Feb 2018 16:37
 Operator : SJ/JU
 Sample : J1631-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y8

Quant Time: Mar 09 06:01:09 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	107277	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	451273	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	254938	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	529243	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	505528	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	496167	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	10232	4.08	ng/uL	0.00
5) Phenol-d5	6.73	99	234673	25.88	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	146652	26.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	201858	29.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	162110	20.43	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	102474	30.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	112813	32.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	194680	27.23	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	117054	16.62	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	624364	29.66	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	806672	31.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	62409	21.47	ng/ul	0.02
57) Fluorene-d10	15.18	176	529602	28.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	25462	8.02	ng/ul	0.01
70) Anthracene-d10	17.04	188	785102	30.75	ng/ul	0.00
76) Pyrene-d10	19.35	212	791824	30.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	705378	29.21	ng/ul	0.02

Target Compounds

					Ovalue	
14) Acetophenone	8.35	105	27206	1.988	ng/ul	86
28) Naphthalene	10.34	128	48418	2.089	ng/ul	97
44) Dimethylphthalate	13.65	163	419300	20.197	ng/ul#	99
47) Acenaphthylene	13.90	152	35099	1.430	ng/ul#	95
49) Acenaphthene	14.25	153	68674	3.975	ng/ul	97
53) Dibenzofuran	14.59	168	45889	1.771	ng/ul	94
58) Fluorene	15.24	166	54472	2.435	ng/ul	96
69) Phenanthrene	16.99	178	1013326	33.232	ng/ul	99
71) Anthracene	17.07	178	243194	7.930	ng/ul	98
72) Carbazole	17.36	167	105959	4.109	ng/ul	97
73) Di-n-butylphthalate	17.92	149	43284	1.301	ng/ul#	93
74) Fluoranthene	19.02	202	1688896	46.359	ng/ul#	92
77) Pyrene	19.38	202	1467193	43.672	ng/ul#	91
78) Butylbenzylphthalate	20.29	149	69979	5.038	ng/ul#	77
80) Benzo(a)anthracene	21.14	228	774506	24.549	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	3302559	166.003	ng/ul#	95
82) Chrysene	21.19	228	718324	24.406	ng/ul	96
85) Benzo(b)fluoranthene	22.69	252	964312	29.026	ng/ul#	96
86) Benzo(k)fluoranthene	22.73	252	340704	10.786	ng/ul#	91
88) Benzo(a)pyrene	23.24	252	684406	23.054	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.50	276	471297	16.360	ng/ul	97
90) Dibenzo(a,h)anthracene	25.50	278	131801	5.506	ng/ul#	78
91) Benzo(g,h,i)perylene	26.17	276	364044	15.599	ng/ul#	91

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Response via : Initial Calibration

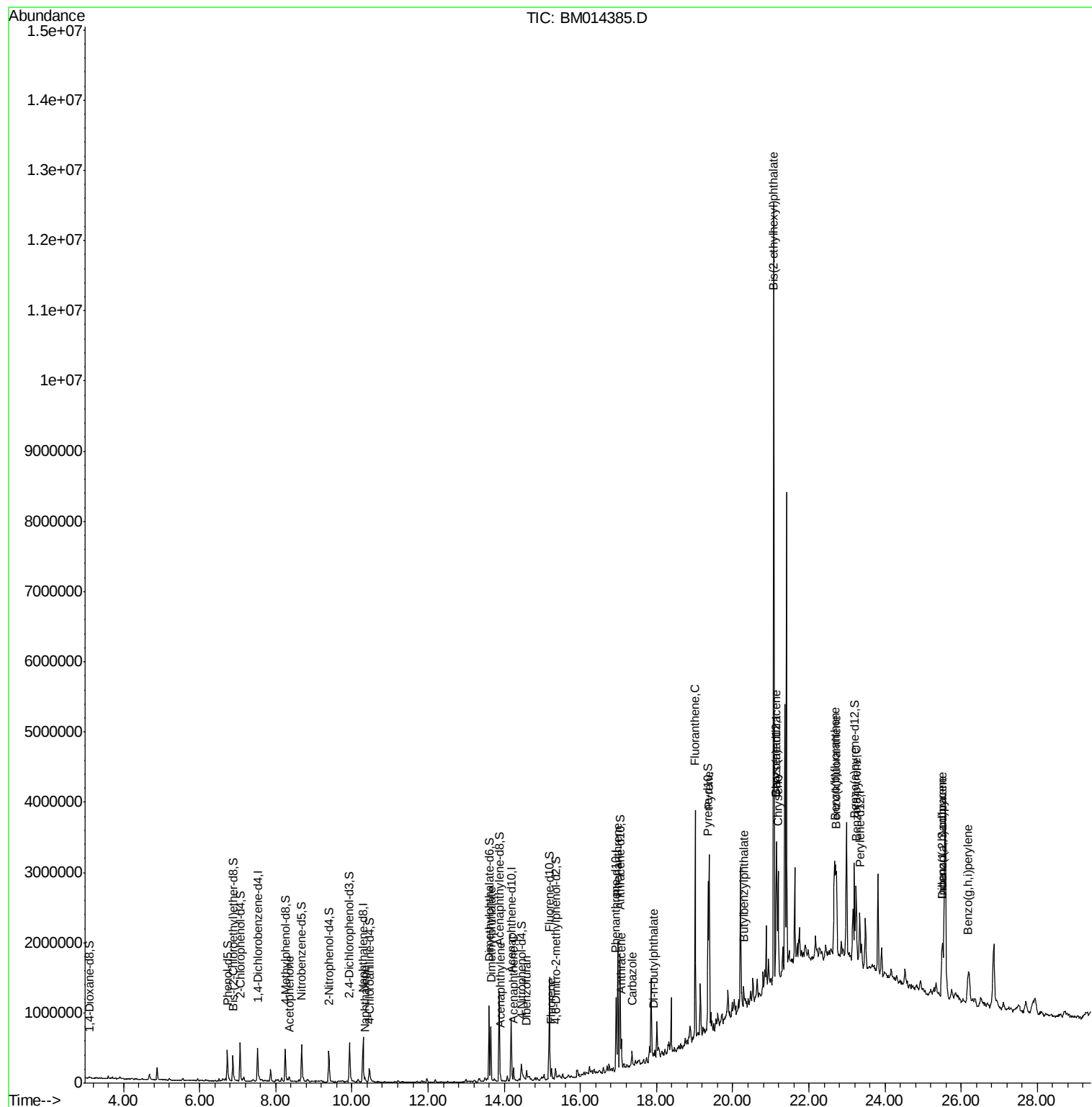
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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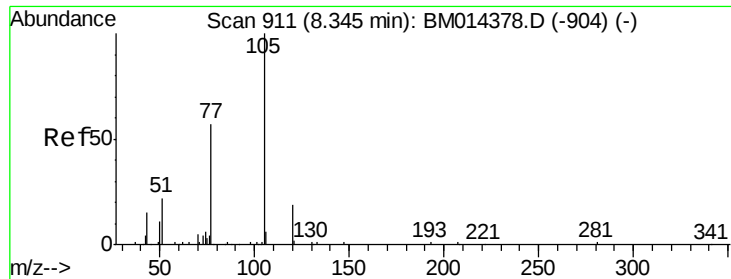
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.988 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. 0.00 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

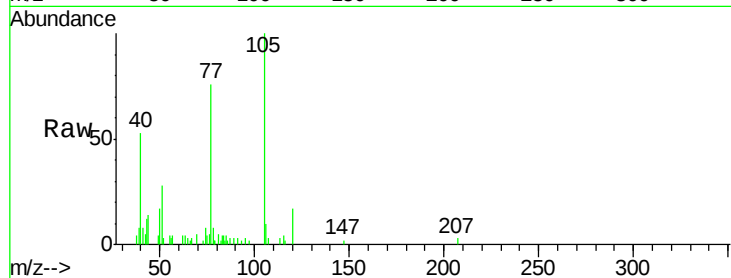
Tot Ion:105 Resp: 27206

Ion Ratio Lower Upper

105 100

77 76.1 74.2 111.4

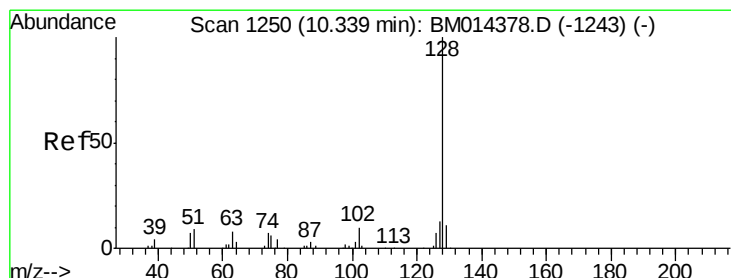
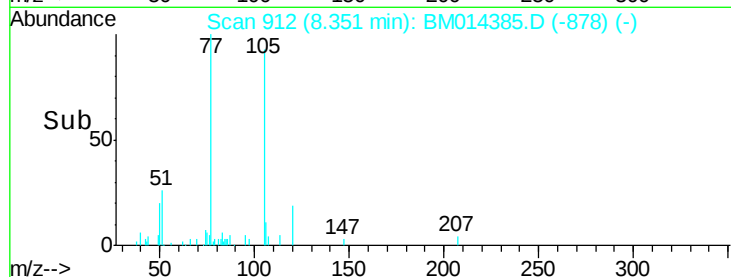
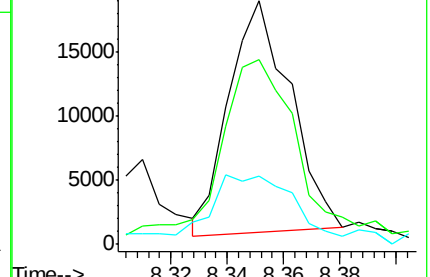
51 28.2 23.4 35.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#28

Naphthalene

Concen: 2.089 ng/ul

RT: 10.34 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

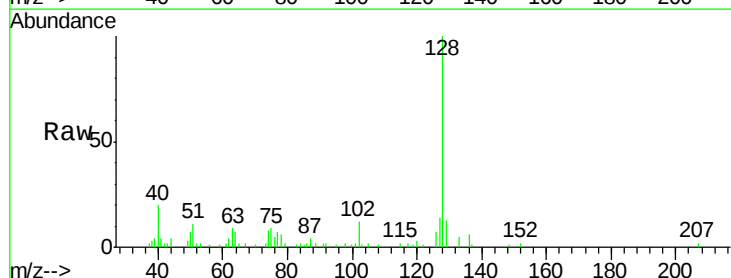
Tgt Ion:128 Resp: 48418

Ion Ratio Lower Upper

128 100

129 12.5 8.8 13.2

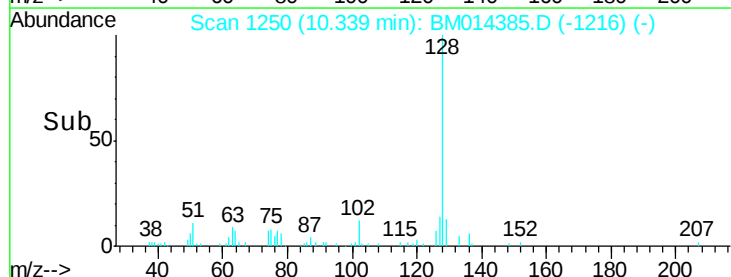
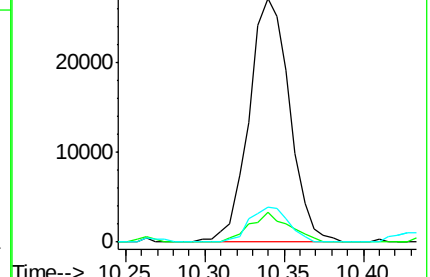
127 14.5 10.6 16.0

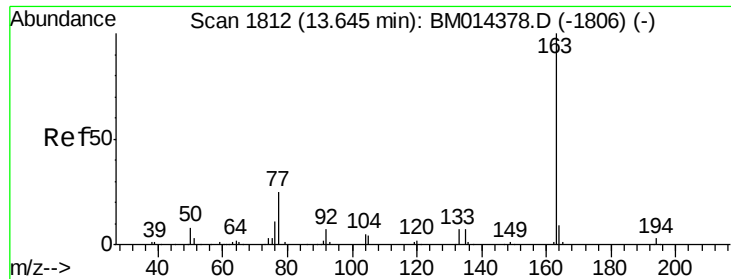


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

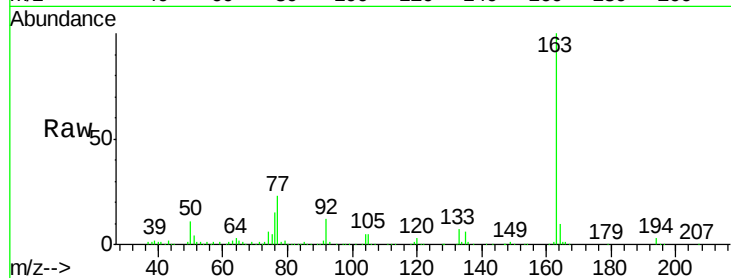




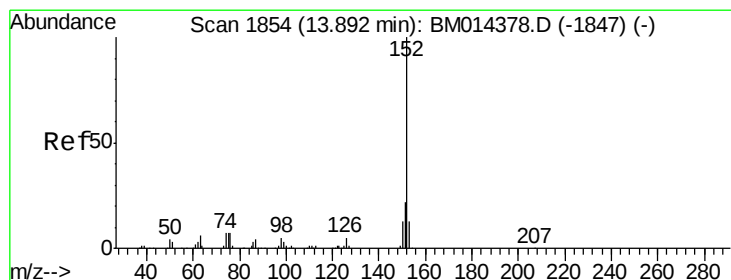
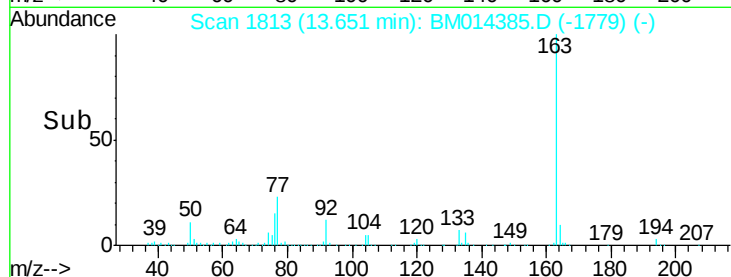
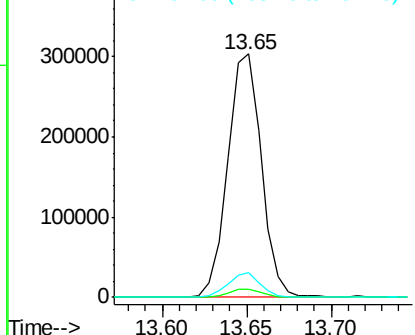
#44
Dimethylphthalate
Concen: 20.197 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BM014385.D
Acq: 27 Feb 2018 16:37

Instrument :
BNA_M
ClientSampleId :
BE5Y8

Tot Ion:163 Resp: 419300
Ion Ratio Lower Upper
163 100
194 3.3 3.5 5.3#
164 10.1 8.2 12.4

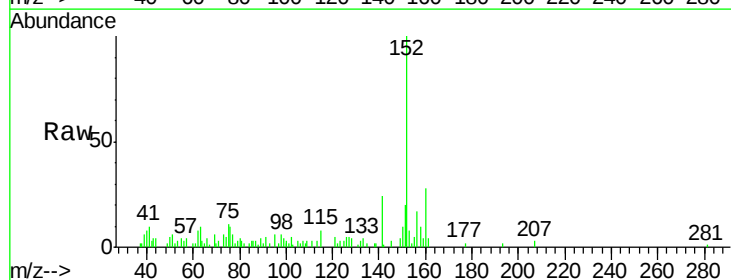


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

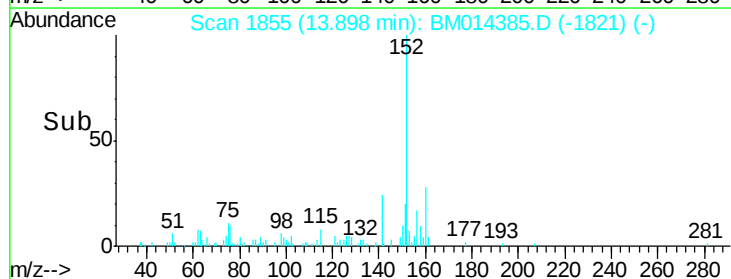
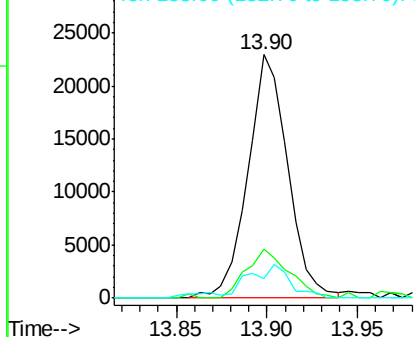


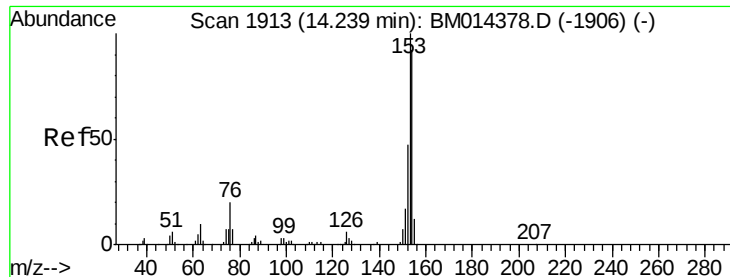
#47
Acenaphthylene
Concen: 1.430 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BM014385.D
Acq: 27 Feb 2018 16:37

Tgt Ion:152 Resp: 35099
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 8.0 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: 3.975 ng/ul

RT: 14.25 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

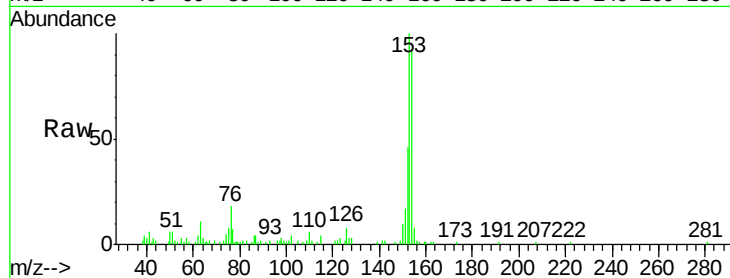
Tot Ion:153 Resp: 68674

Ion Ratio Lower Upper

153 100

152 46.0 37.6 56.4

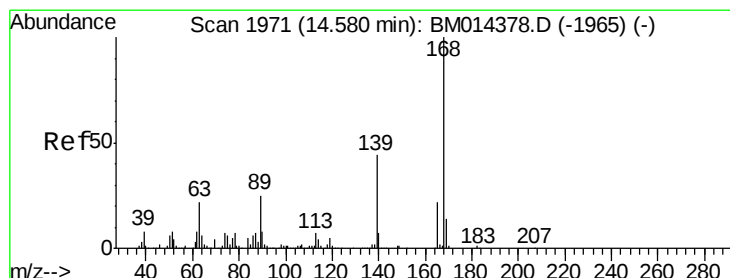
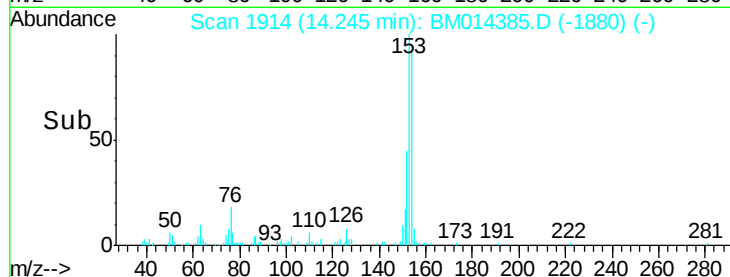
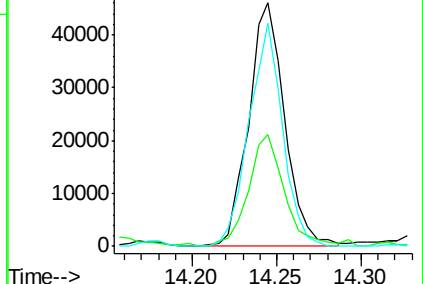
154 91.7 70.4 105.6



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: 1.771 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BM014385.D

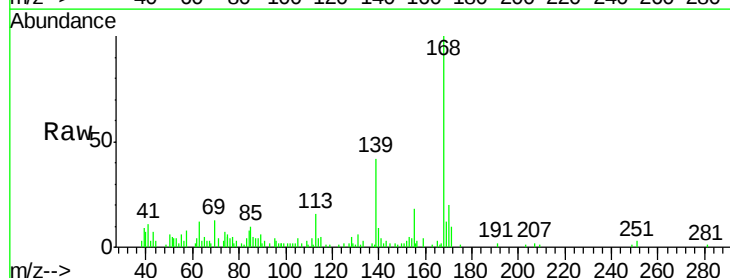
Acq: 27 Feb 2018 16:37

Tgt Ion:168 Resp: 45889

Ion Ratio Lower Upper

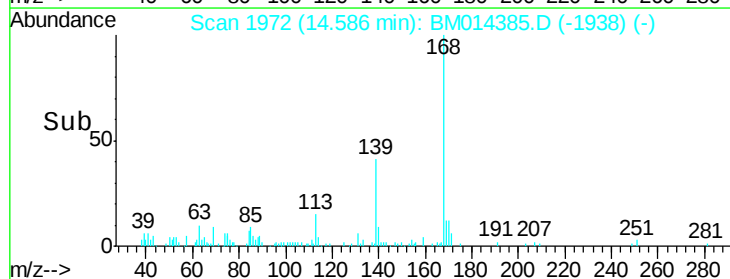
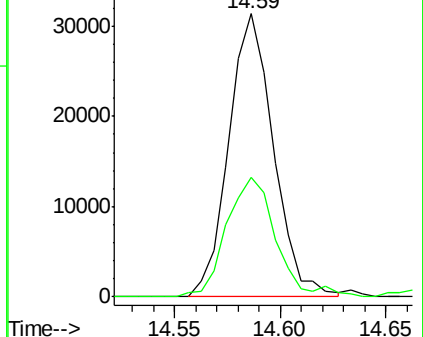
168 100

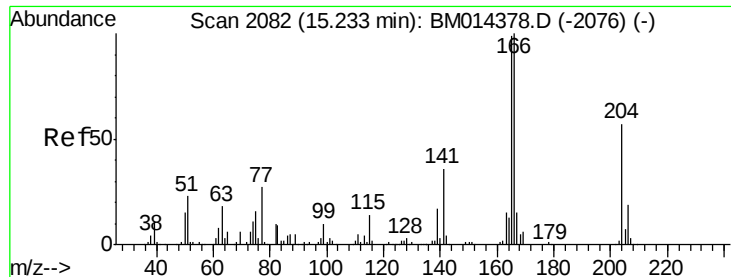
139 42.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.435 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

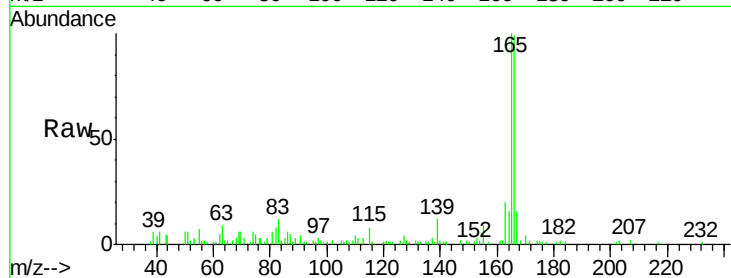
Tot Ion:166 Resp: 54472

Ion Ratio Lower Upper

166 100

165 100.7 77.9 116.9

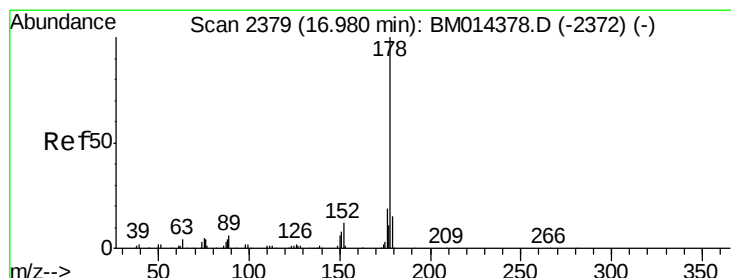
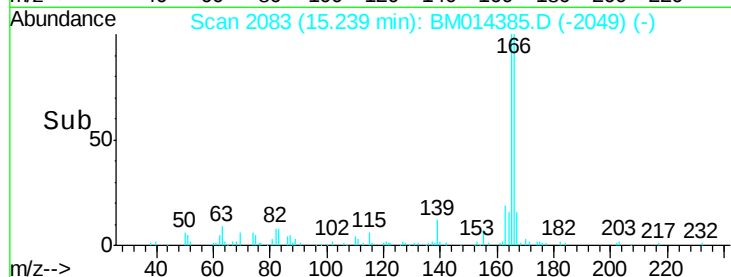
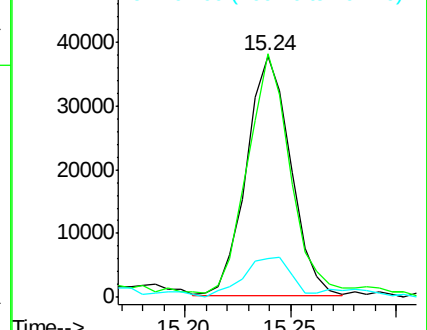
167 15.8 10.6 16.0



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: 33.232 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

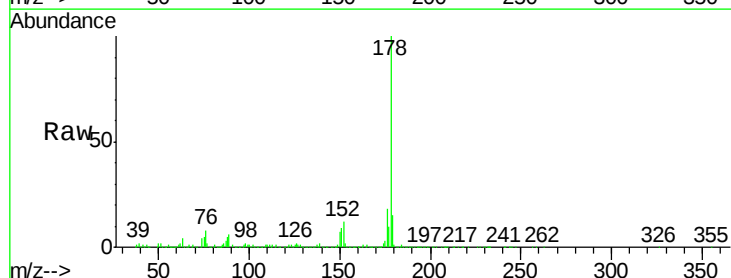
Tgt Ion:178 Resp: 1013326

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

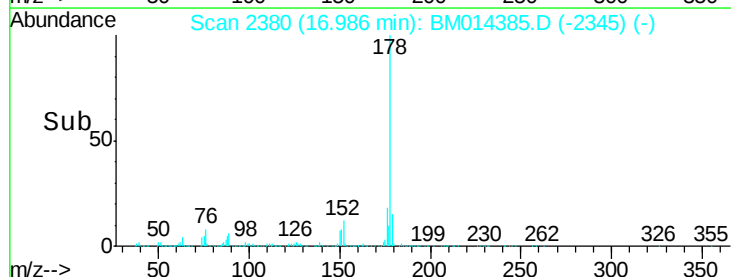
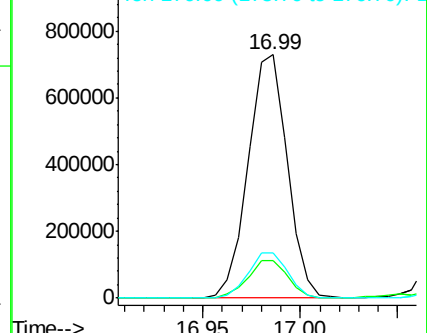
176 18.4 14.9 22.3

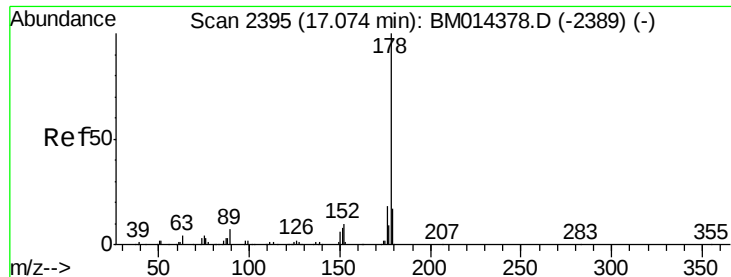


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

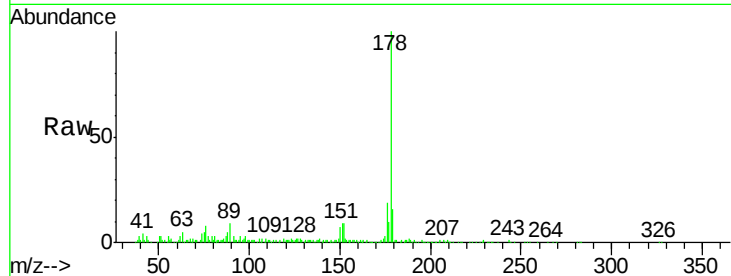




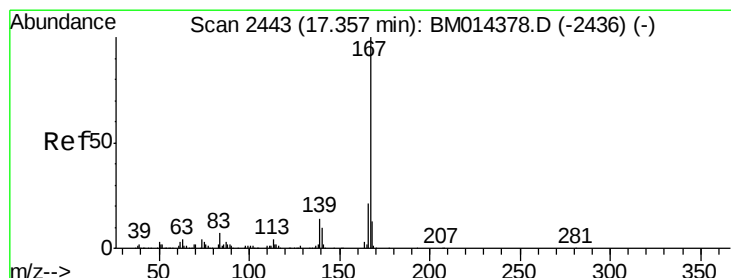
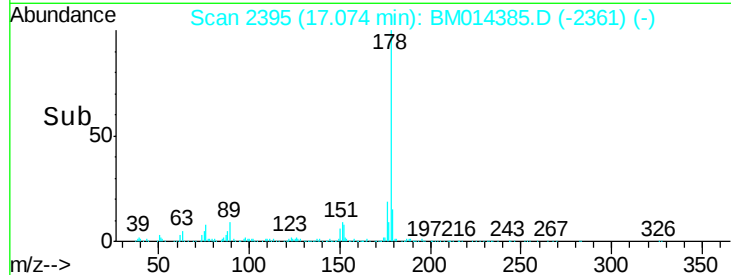
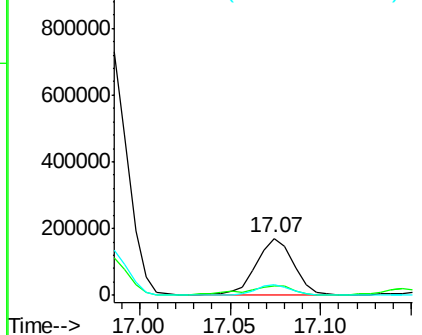
#71
 Anthracene
 Concen: 7.930 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BM014385.D
 Acq: 27 Feb 2018 16:37

Instrument :
 BNA_M
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	18.6	14.6	21.8

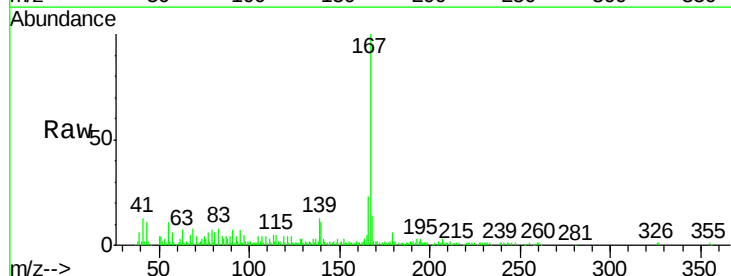


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

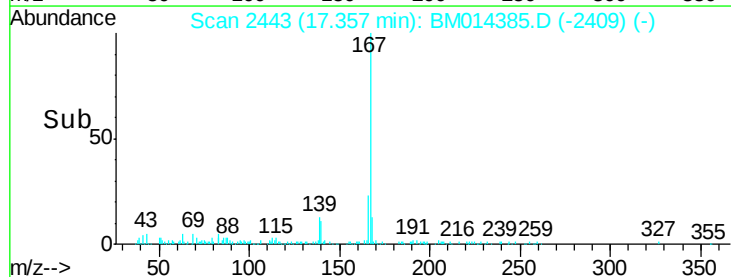
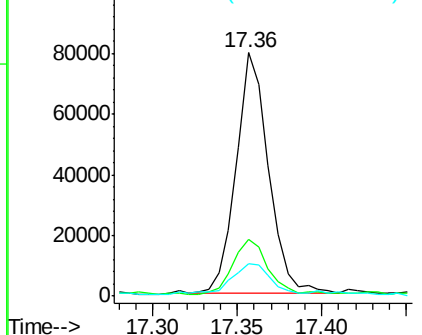


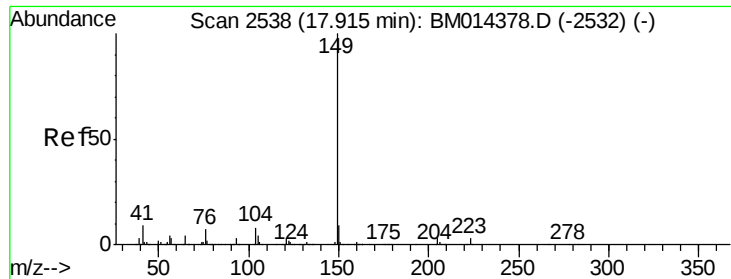
#72
 Carbazole
 Concen: 4.109 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014385.D
 Acq: 27 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.1	25.7
139	13.3	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

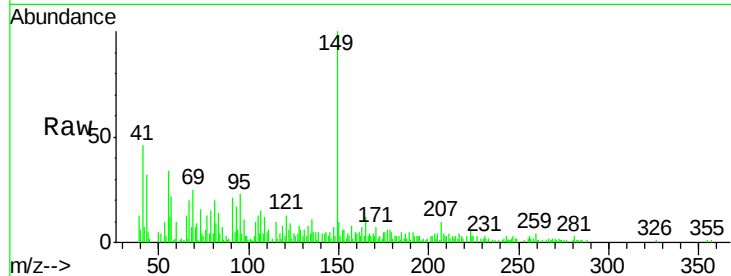




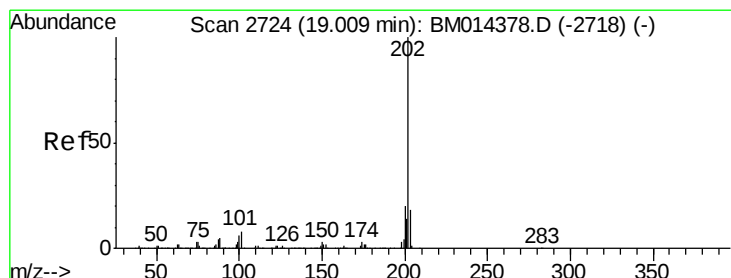
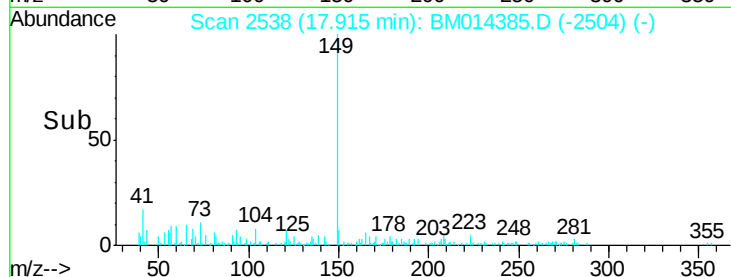
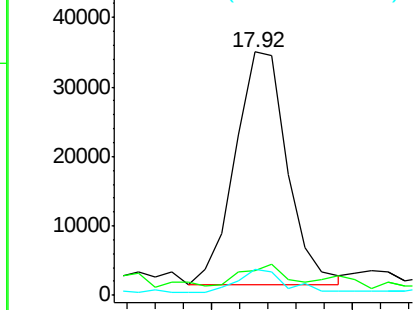
#73
Di-n-butylphthalate
Concen: 1.301 ng/ul
RT: 17.92 min Scan# 2538
Delta R.T. 0.00 min
Lab File: BM014385.D
Acq: 27 Feb 2018 16:37

Instrument :
BNA_M
ClientSampleId :
BE5Y8

Tot Ion:149 Resp: 43284
Ion Ratio Lower Upper
149 100
150 10.3 7.1 10.7
104 10.5 5.6 8.4#

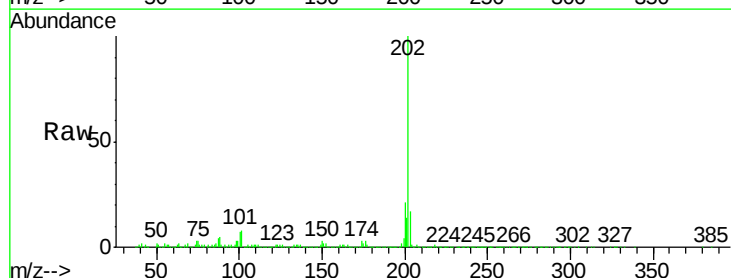


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

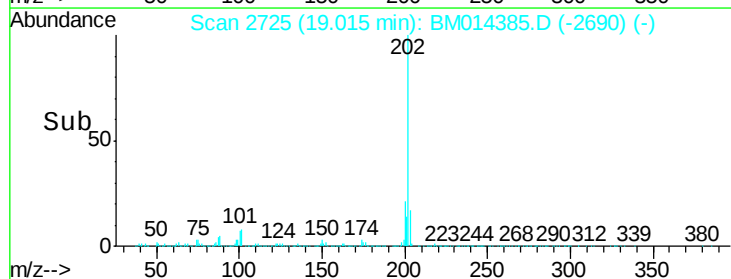
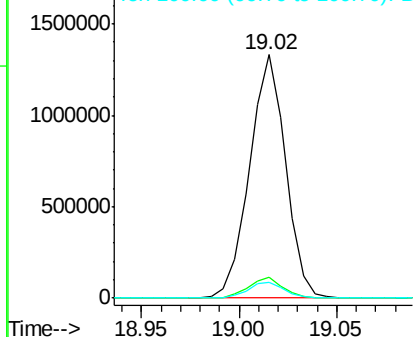


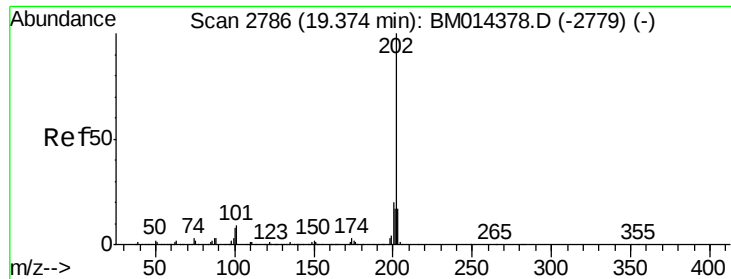
#74
Fluoranthene
Concen: 46.359 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BM014385.D
Acq: 27 Feb 2018 16:37

Tgt Ion:202 Resp: 1688896
Ion Ratio Lower Upper
202 100
101 8.5 4.6 7.0#
100 6.6 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

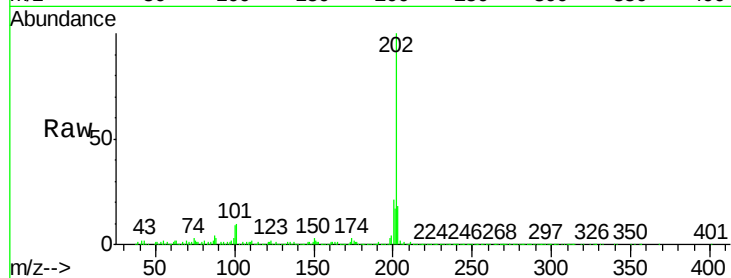




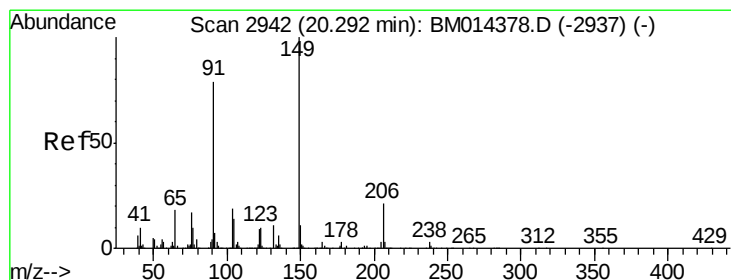
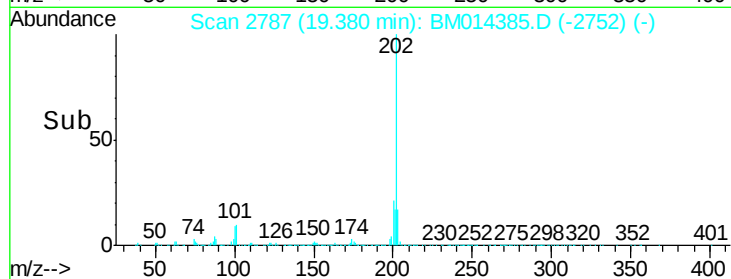
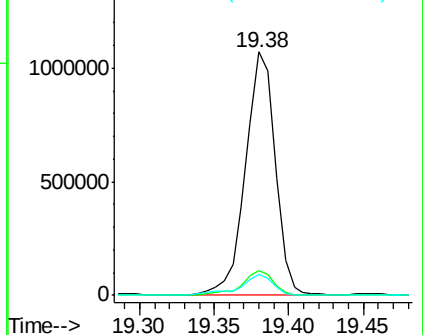
#77
 Pvrene
 Concen: 43.672 ng/ul
 RT: 19.38 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BM014385.D
 Acq: 27 Feb 2018 16:37

Instrument :
 BNA_M
 ClientSampled :
 BE5Y8

Tot Ion:202 Resp: 1467193
 Ion Ratio Lower Upper
 202 100
 101 10.3 5.1 7.7#
 100 8.5 4.9 7.3#

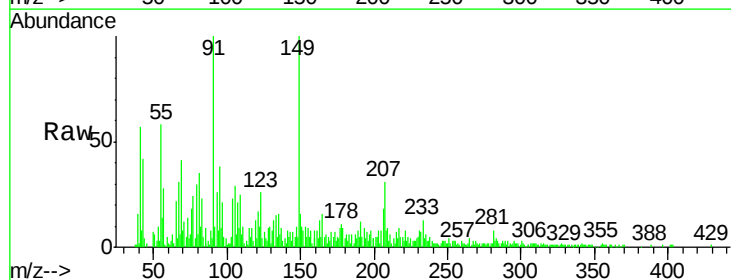


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

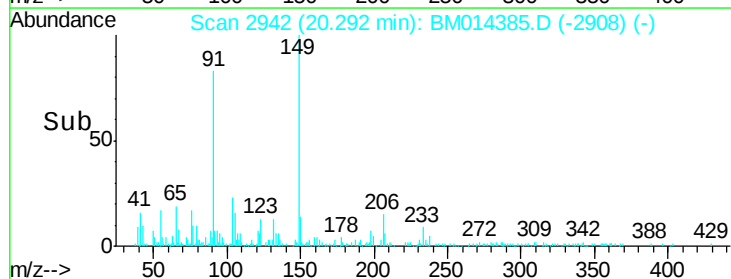
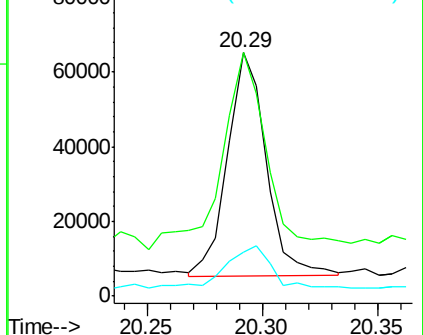


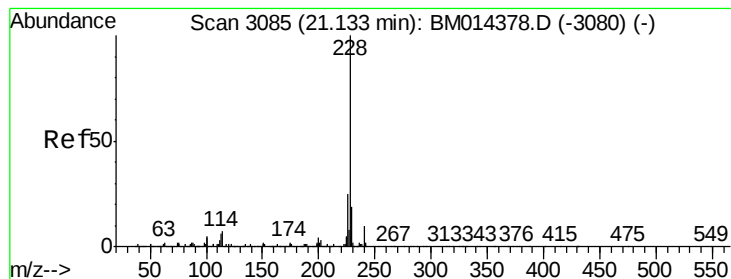
#78
 Butylbenzylphthalate
 Concen: 5.038 ng/ul
 RT: 20.29 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: BM014385.D
 Acq: 27 Feb 2018 16:37

Tgt Ion:149 Resp: 69979
 Ion Ratio Lower Upper
 149 100
 91 100.1 62.7 94.1#
 206 18.0 20.8 31.2#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 24.549 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

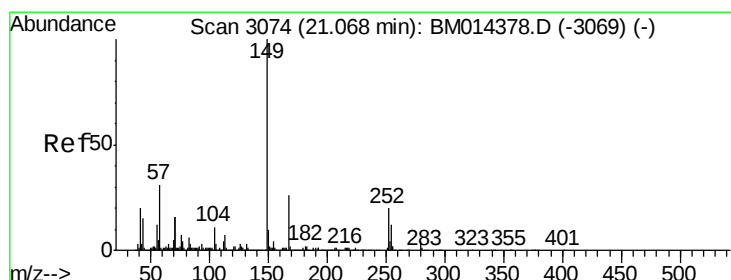
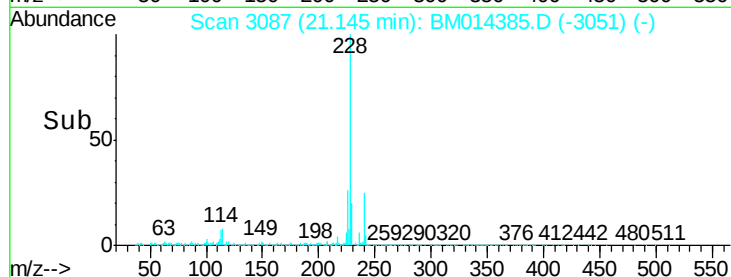
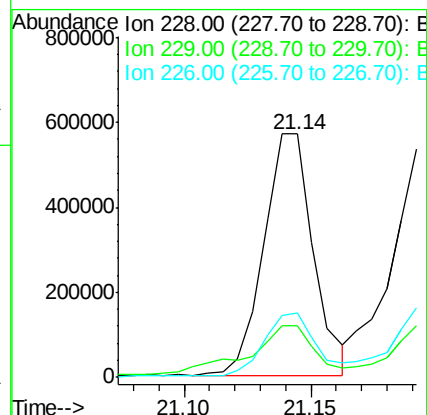
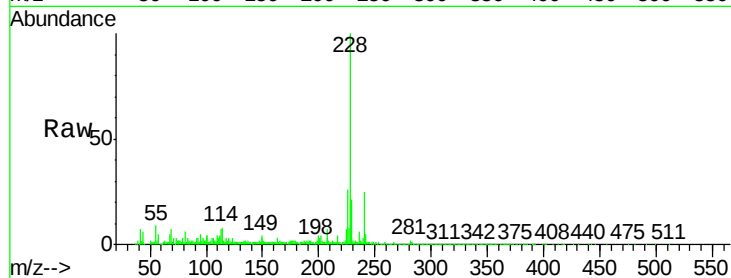
Tot Ion:228 Resp: 774506

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

226 26.3 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 166.003 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

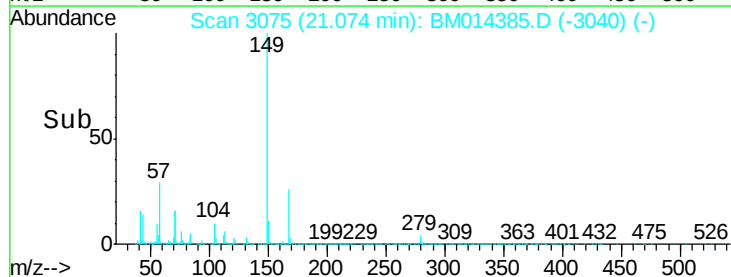
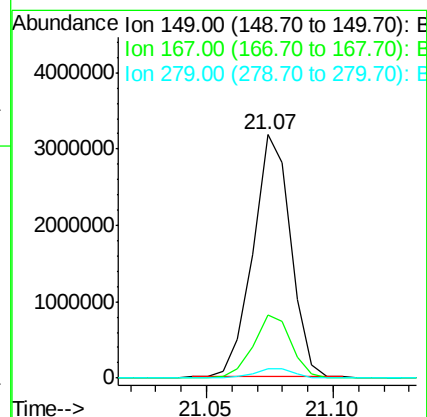
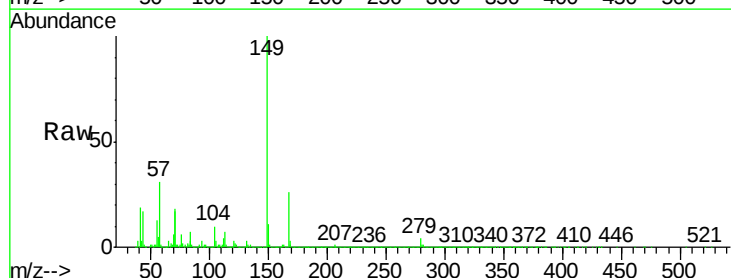
Tgt Ion:149 Resp: 3302559

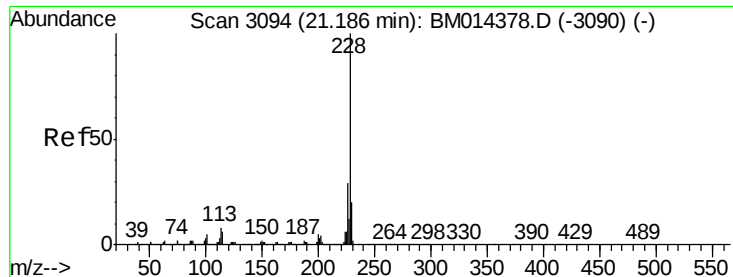
Ion Ratio Lower Upper

149 100

167 26.0 22.8 34.2

279 3.7 4.9 7.3#





#82

Chrysene

Concen: 24.406 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

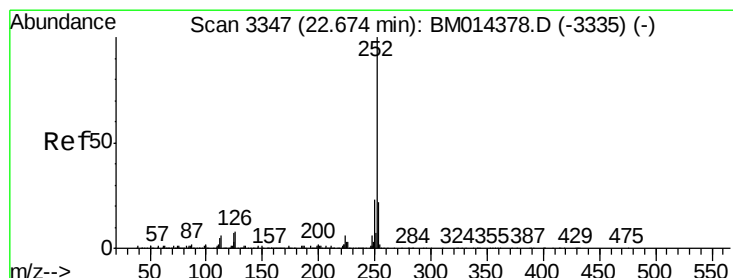
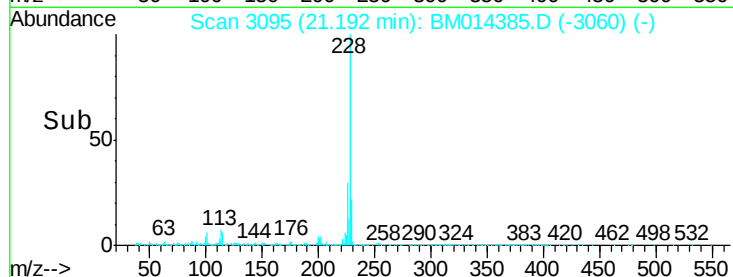
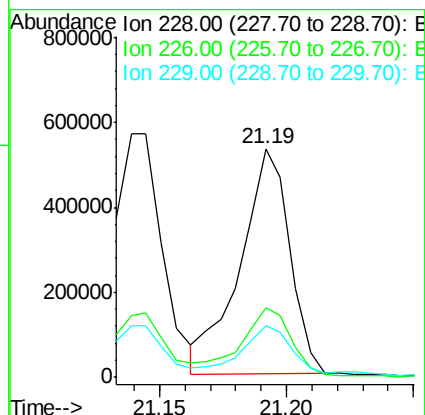
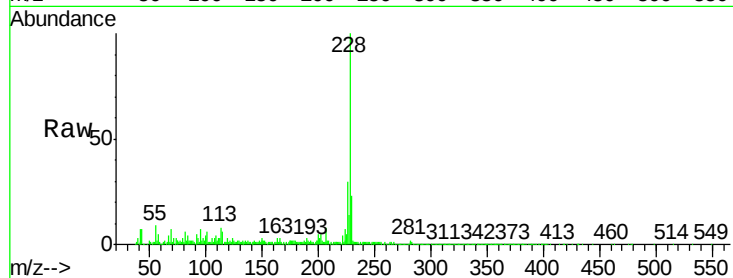
Tot Ion:228 Resp: 718324

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	22.7	15.5	23.3

228 100

226 30.5 23.4 35.2

229 22.7 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 29.026 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

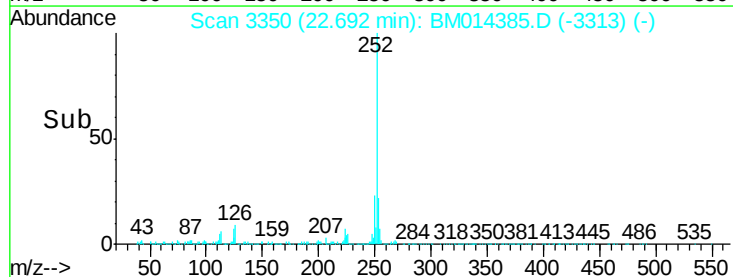
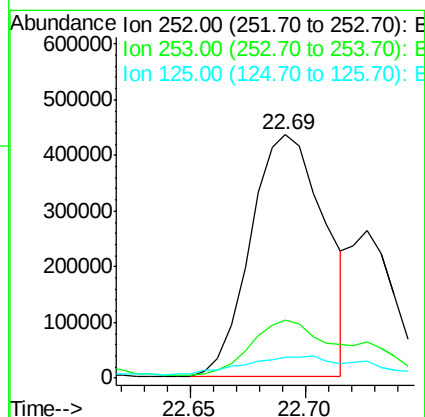
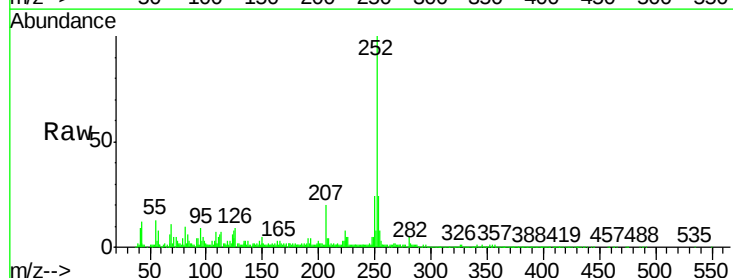
Tgt Ion:252 Resp: 964312

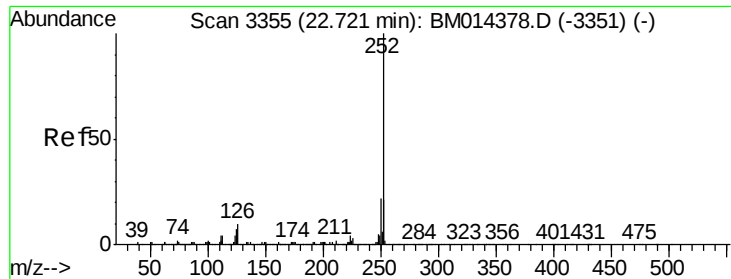
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.4	3.6	5.4

252 100

253 23.7 17.9 26.9

125 8.4 3.6 5.4





#86

Benzo(k)fluoranthene

Concen: 10.786 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

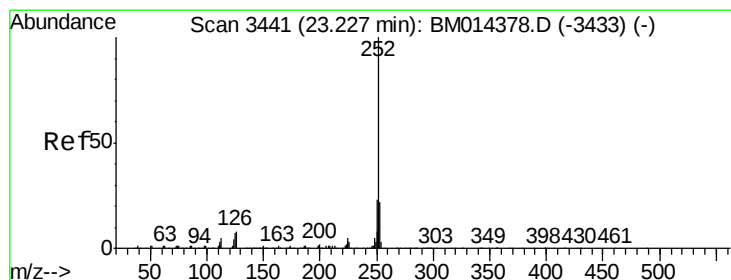
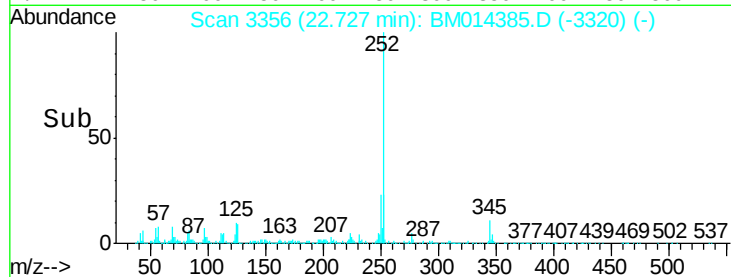
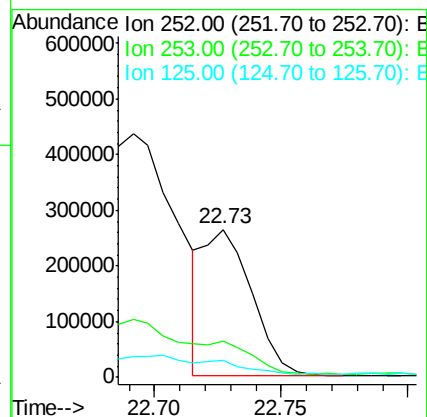
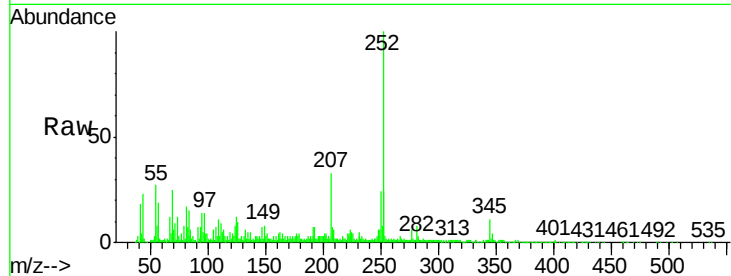
Tot Ion:252 Resp: 340704

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 11.8 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 23.054 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. 0.02 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

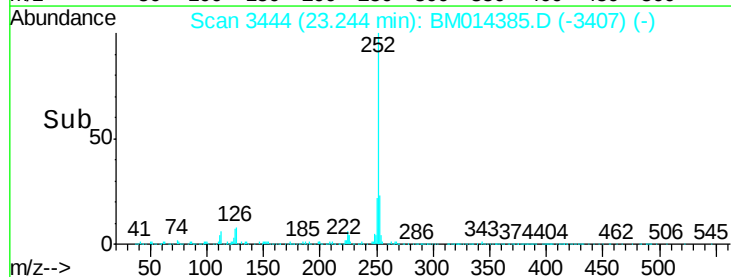
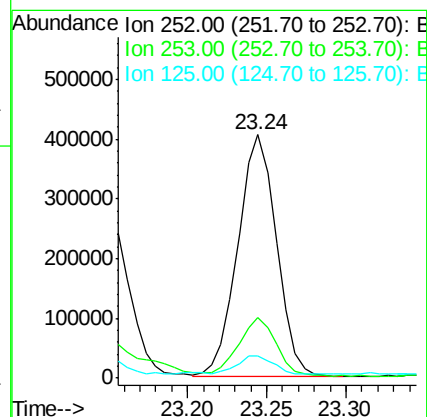
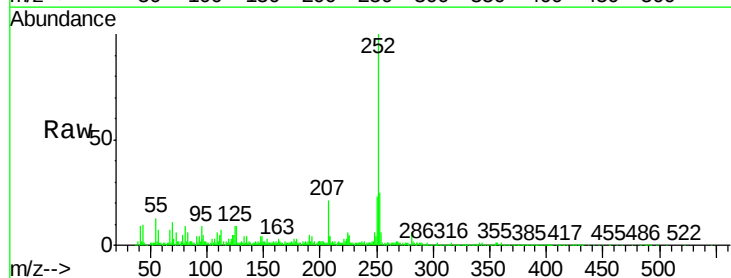
Tgt Ion:252 Resp: 684406

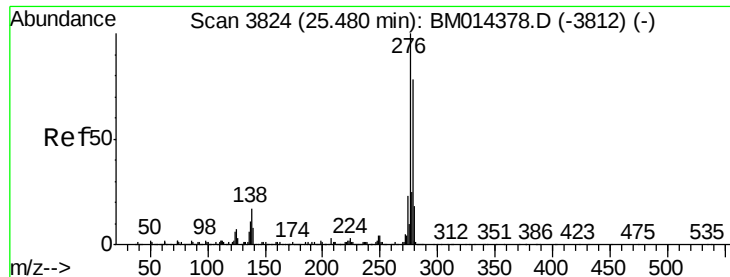
Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

125 9.1 4.0 6.0#



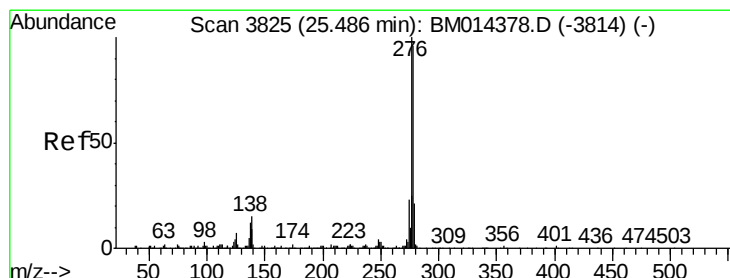
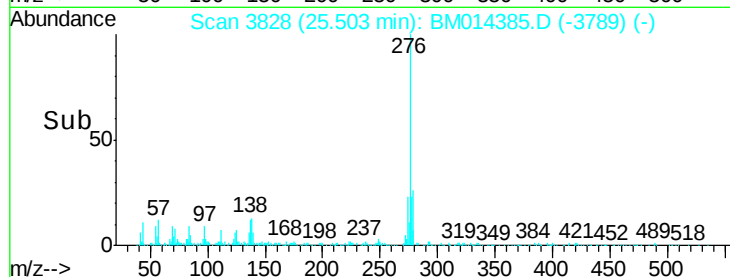
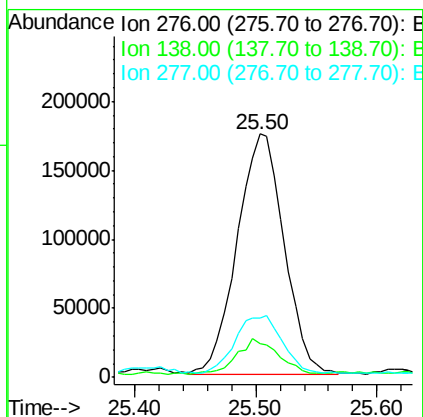
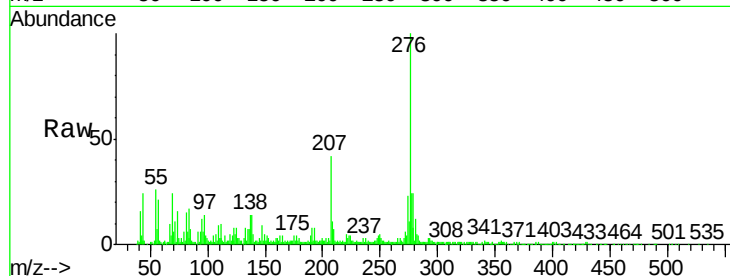


#89

Indeno(1,2,3-cd)pyrene
Concen: 16.360 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.03 min
Lab File: BM014385.D
Acq: 27 Feb 2018 16:37

Instrument :
BNA_M
ClientSampleId :
BE5Y8

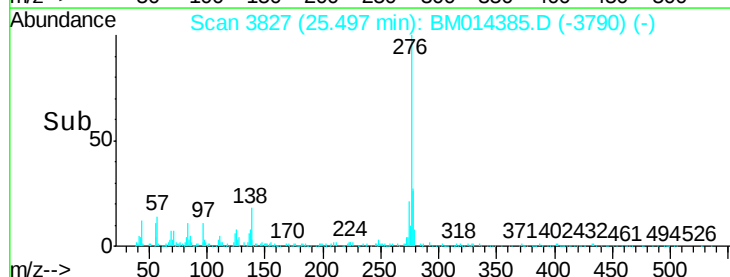
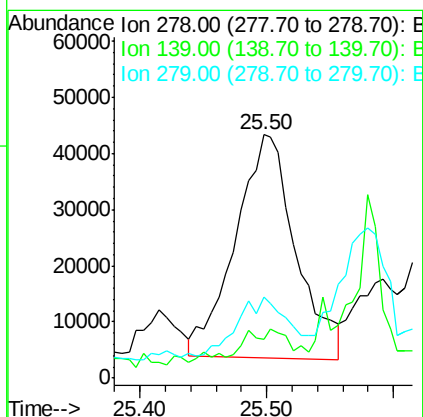
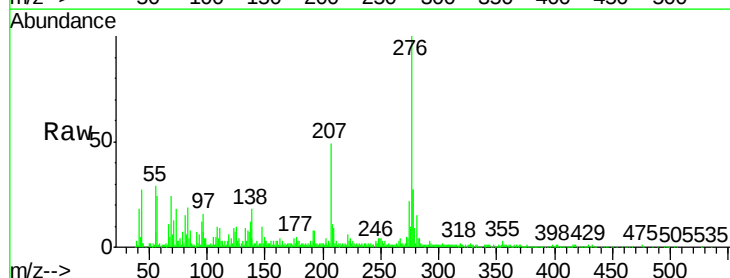
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.9	9.3	13.9
277	24.3	19.9	29.9

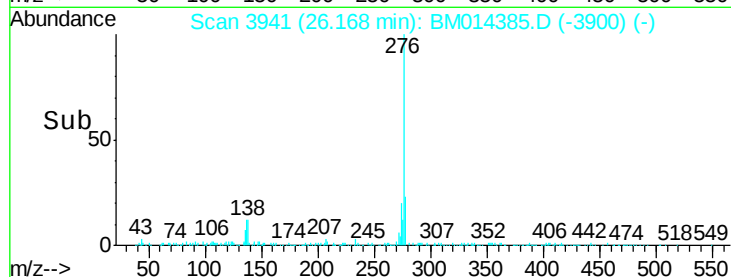
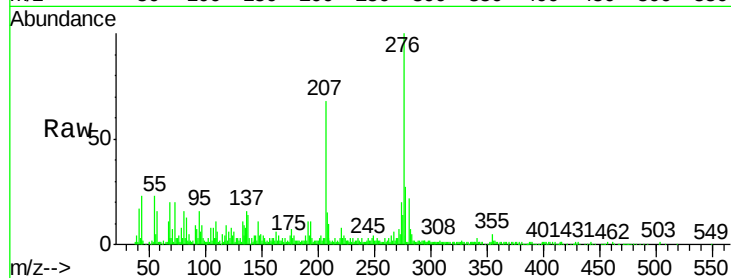
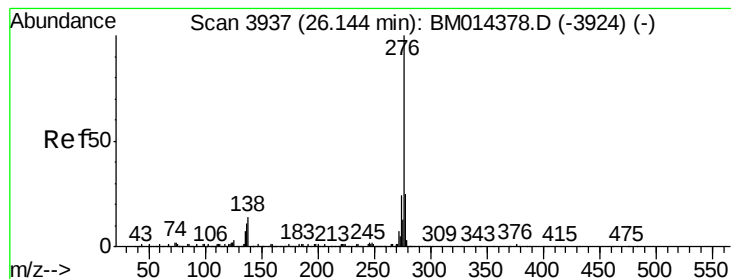


#90

Dibenzo(a,h)anthracene
Concen: 5.506 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014385.D
Acq: 27 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	5.8	8.8#
279	33.3	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 15.599 ng/ul

RT: 26.17 min Scan# 3941

Delta R.T. 0.04 min

Lab File: BM014385.D

Acq: 27 Feb 2018 16:37

Instrument :

BNA_M

ClientSampleId :

BE5Y8

Tot Ion:276 Resp: 364044

Ion Ratio Lower Upper

276 100

138 14.3 8.5 12.7#

277 27.4 18.6 28.0

