

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014380.D
 Acq On : 27 Feb 2018 13:36
 Operator : SJ/JU
 Sample : J1631-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE611

Quant Time: Feb 27 15:32:39 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	100491	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	394175	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	221709	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	479854	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	463161	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	458299	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	12586	5.36	ng/uL	0.00
5) Phenol-d5	6.72	99	267475	31.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	157159	30.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	218642	33.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	215405	28.98	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	105316	36.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	122533	40.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	214968	34.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	223417	36.31	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	656254	35.84	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	866498	38.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	80716	31.93	ng/ul	0.01
57) Fluorene-d10	15.18	176	566253	34.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	78259	27.19	ng/ul	0.00
70) Anthracene-d10	17.04	188	823345	35.56	ng/ul	0.00
76) Pyrene-d10	19.34	212	859894	36.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	781596	35.04	ng/ul	0.00

Target Compounds

					Ovalue	
21) Isophorone	9.39	82	16583	1.125	ng/ul#	68
28) Naphthalene	10.33	128	21466	1.060	ng/ul#	93
44) Dimethylphthalate	13.65	163	171555	9.502	ng/ul	98
47) Acenaphthylene	13.90	152	26115	1.224	ng/ul#	94
49) Acenaphthene	14.24	153	29135	1.939	ng/ul	94
53) Dibenzofuran	14.59	168	23162	1.028	ng/ul#	87
58) Fluorene	15.24	166	30845	1.586	ng/ul	92
69) Phenanthrene	16.98	178	664830	24.047	ng/ul	99
71) Anthracene	17.07	178	100975	3.632	ng/ul	96
72) Carbazole	17.36	167	41911	1.793	ng/ul	95
74) Fluoranthene	19.01	202	895559	27.113	ng/ul#	92
77) Pyrene	19.37	202	868567	28.218	ng/ul#	91
80) Benzo(a)anthracene	21.13	228	360710	12.479	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	119594	6.561	ng/ul#	93
82) Chrysene	21.19	228	356973	13.238	ng/ul	97
85) Benzo(b)fluoranthene	22.68	252	390183	12.715	ng/ul#	97
86) Benzo(k)fluoranthene	22.68	252	390183	13.373	ng/ul#	96
88) Benzo(a)pyrene	23.23	252	311514	11.360	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.49	276	206152	7.747	ng/ul	97
90) Dibenzo(a,h)anthracene	25.47	278	50884	2.301	ng/ul#	80
91) Benzo(a,h,i)perylene	26.14	276	147017	6.820	ng/ul#	94

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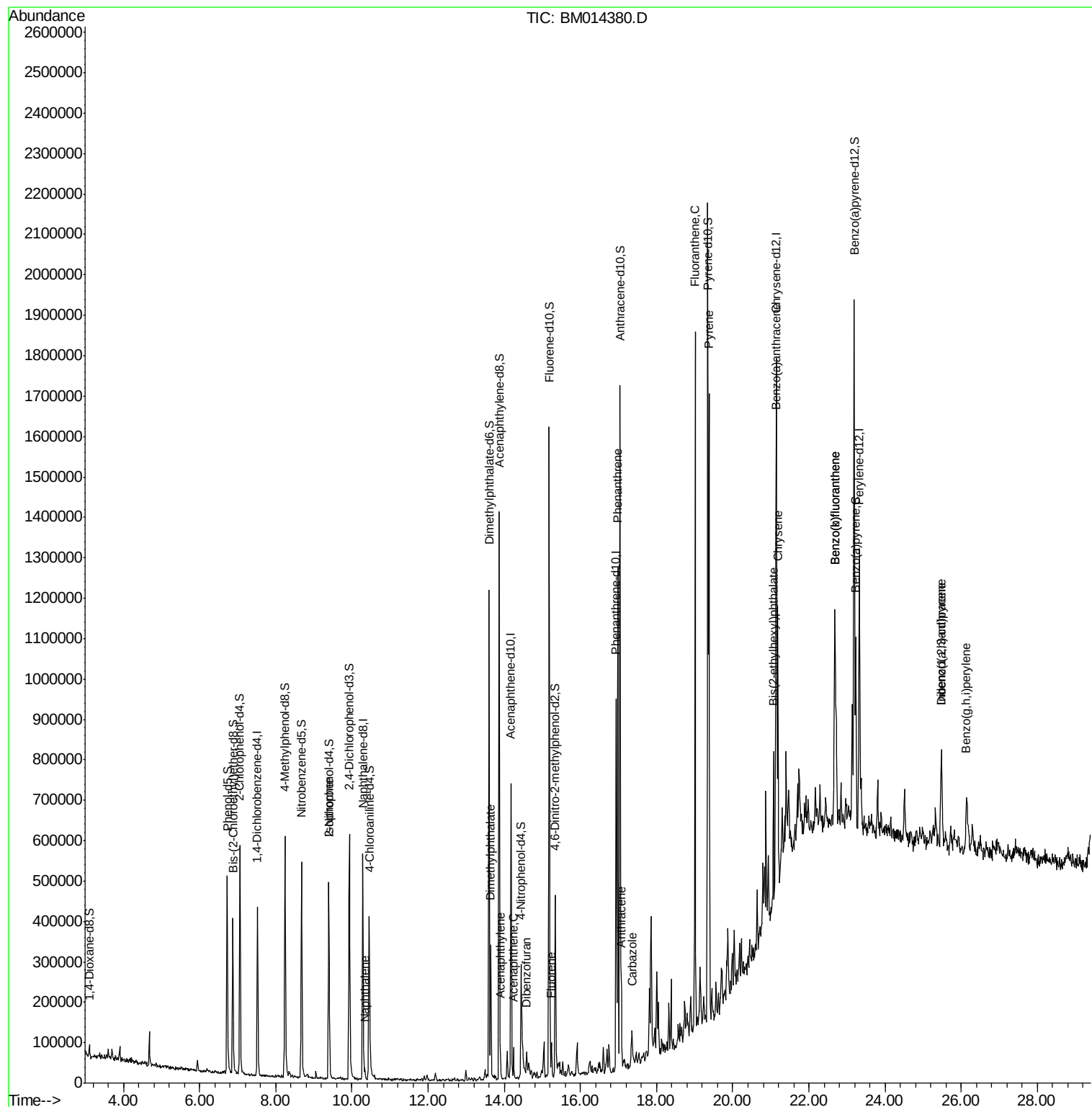
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

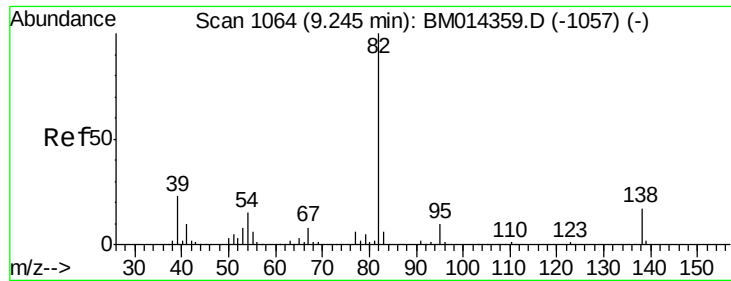
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#21

Isophorone

Concen: 1.125 ng/ul

RT: 9.39 min Scan# 1089

Delta R.T. 0.15 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

BNA_M

ClientSampled :

BE611

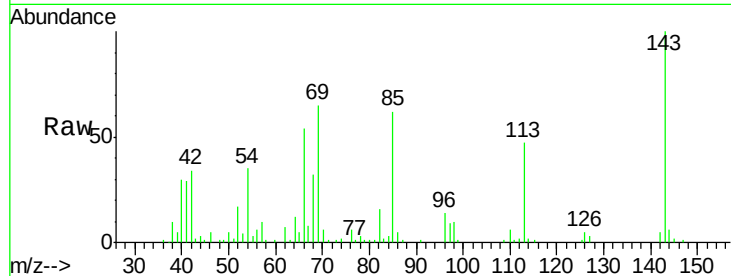
Tot Ion: 82 Resp: 16583

Ion Ratio Lower Upper

82 100

95 0.0 7.8 11.8#

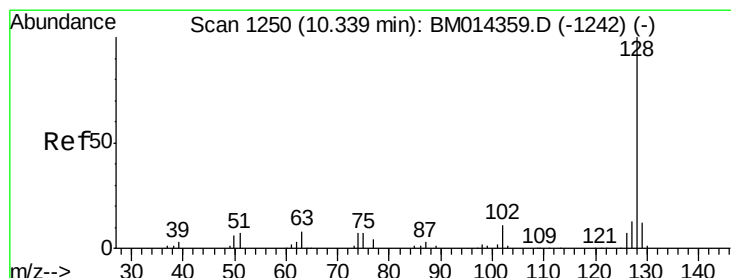
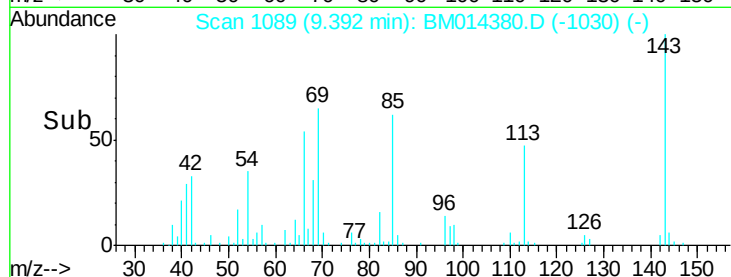
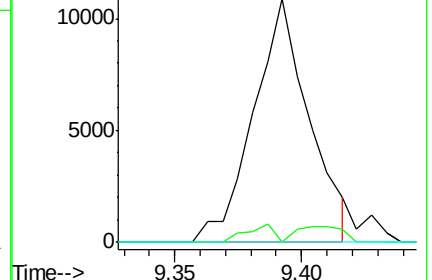
138 0.0 11.9 17.9#



Abundance Ion 82.00 (81.70 to 82.70): BM014359.D (-1057) (-)

Ion 95.00 (94.70 to 95.70): BM014359.D (-1057) (-)

Ion 138.00 (137.70 to 138.70): BM014359.D (-1057) (-)



#28

Naphthalene

Concen: 1.060 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

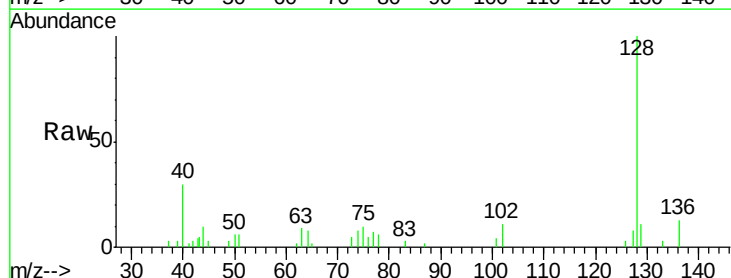
Tgt Ion: 128 Resp: 21466

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

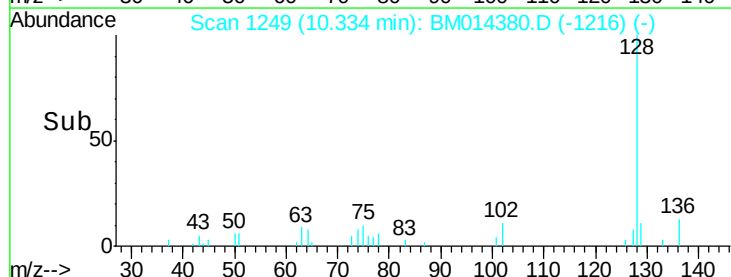
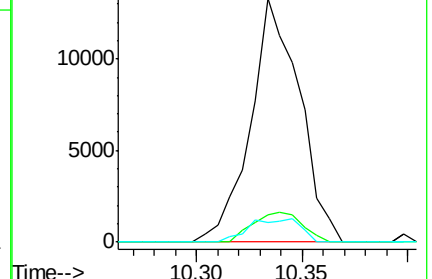
127 8.3 10.6 16.0#

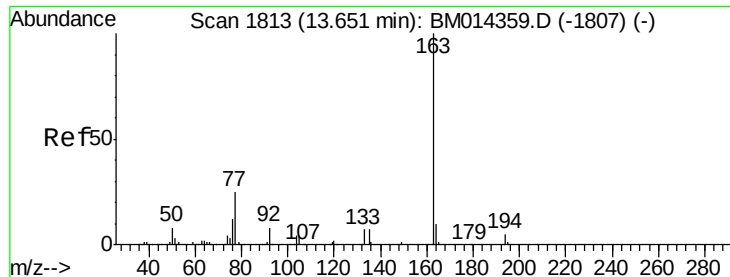


Abundance Ion 128.00 (127.70 to 128.70): BM014359.D (-1242) (-)

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

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





#44

Dimethylphthalate

Concen: 9.502 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

BNA_M

ClientSampleId :

BE611

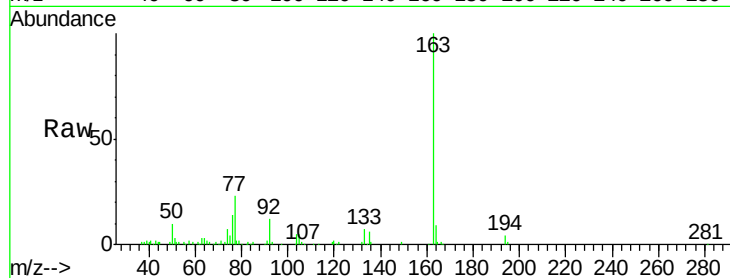
Tot Ion:163 Resp: 171555

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

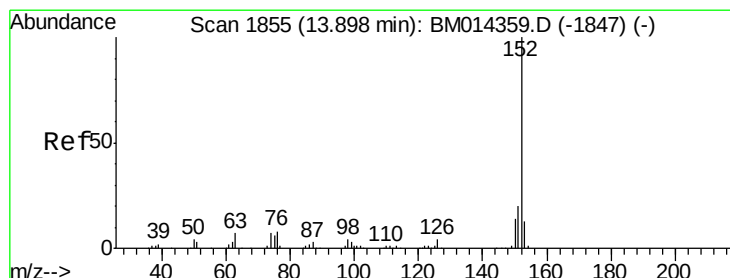
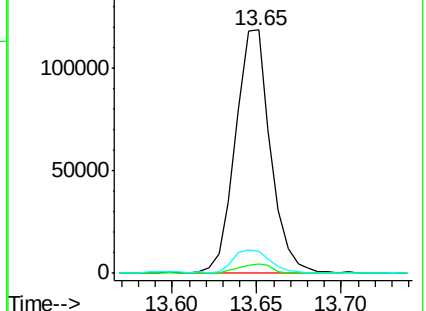
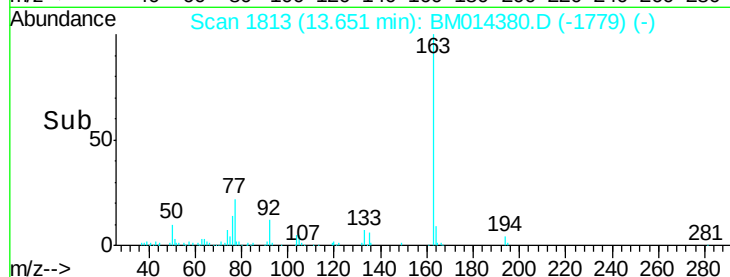
164 9.3 8.2 12.4



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: 1.224 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

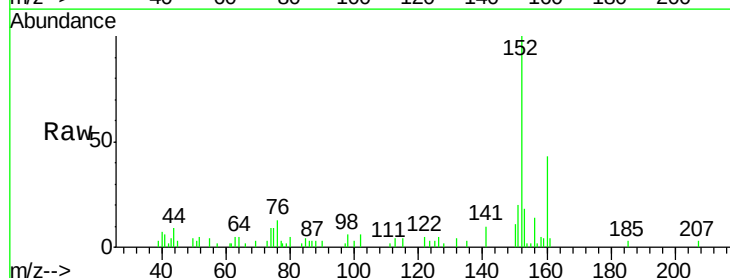
Tgt Ion:152 Resp: 26115

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

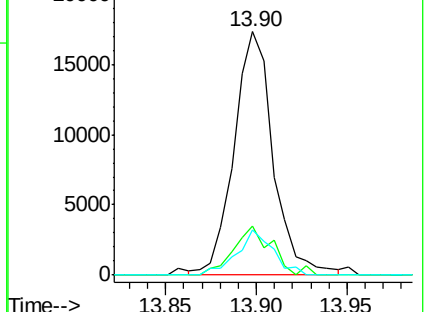
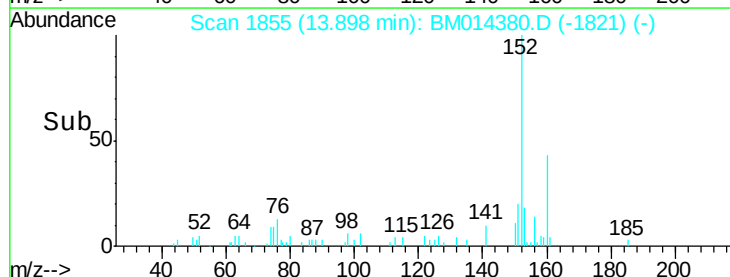
153 18.3 10.2 15.4#

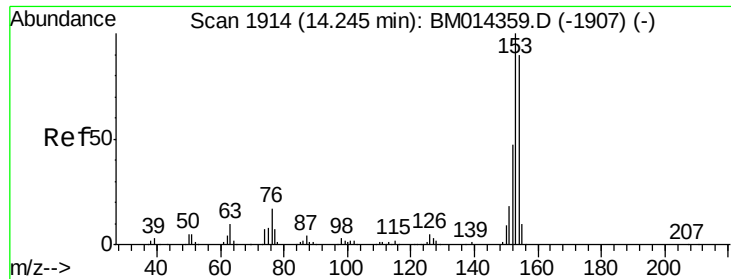


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.939 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

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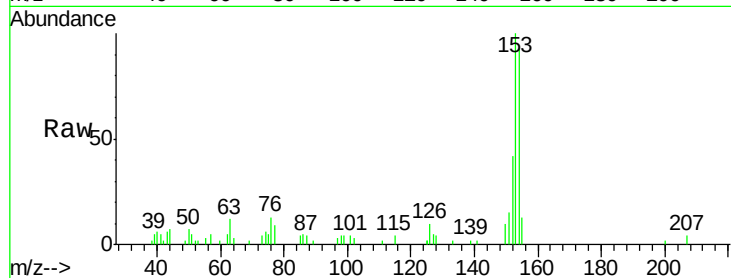
Tot Ion:153 Resp: 29135

Ion Ratio Lower Upper

153 100

152 42.5 37.6 56.4

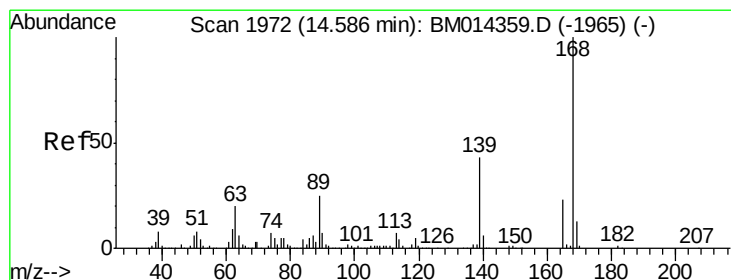
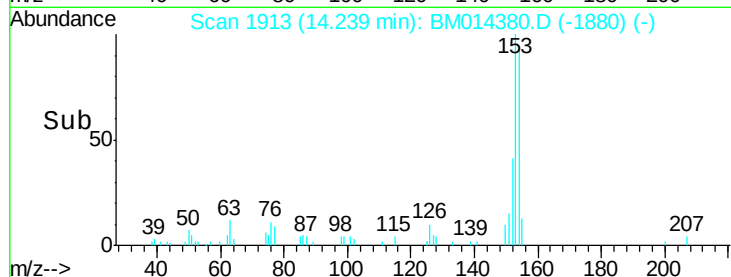
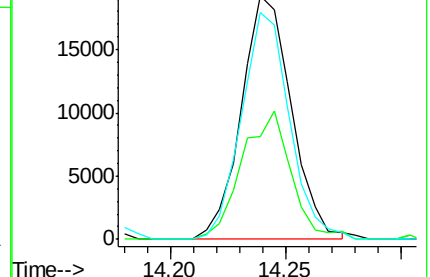
154 93.3 70.4 105.6



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: 1.028 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014380.D

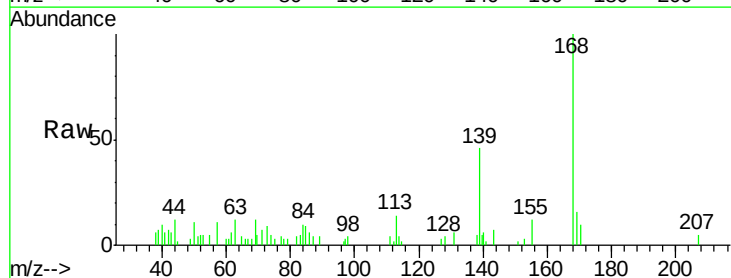
Acq: 27 Feb 2018 13:36

Tgt Ion:168 Resp: 23162

Ion Ratio Lower Upper

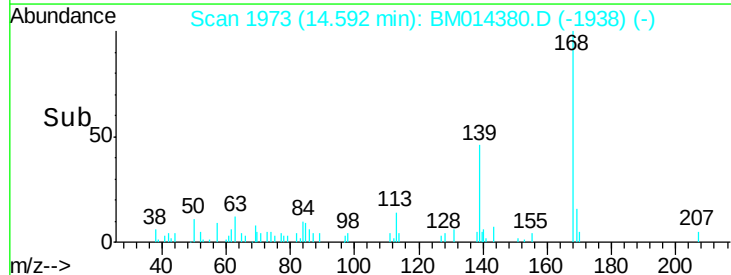
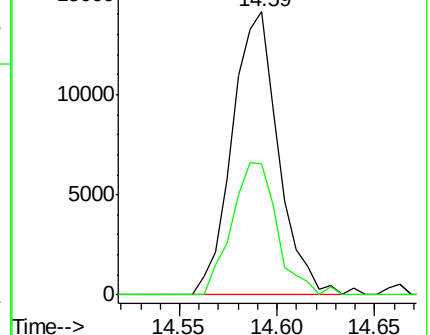
168 100

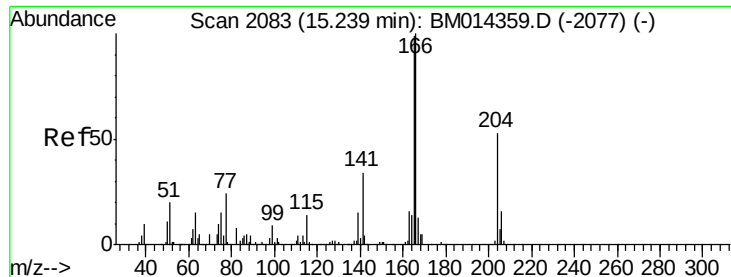
139 46.2 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.586 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

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ClientSampleId :

BE611

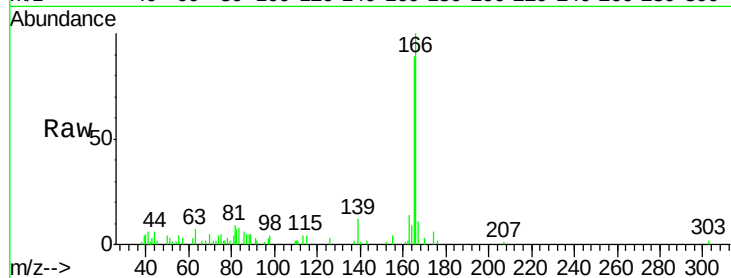
Tot Ion:166 Resp: 30845

Ion Ratio Lower Upper

166 100

165 88.7 77.9 116.9

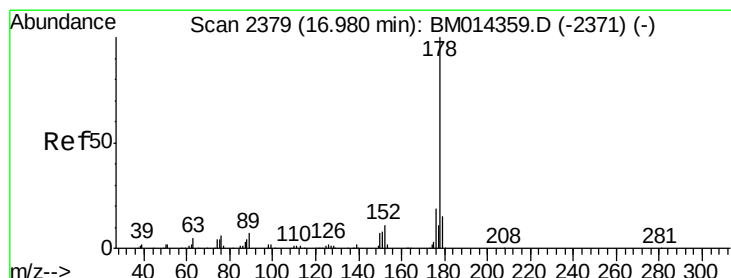
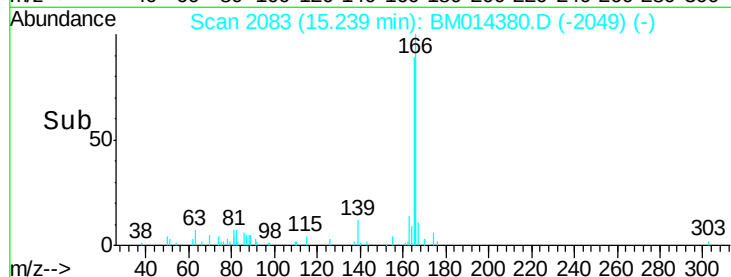
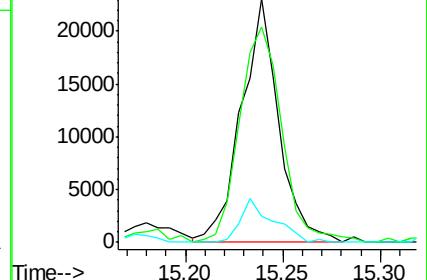
167 10.9 10.6 16.0



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: 24.047 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

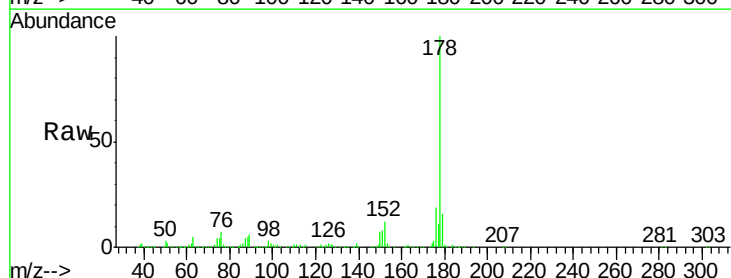
Tgt Ion:178 Resp: 664830

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

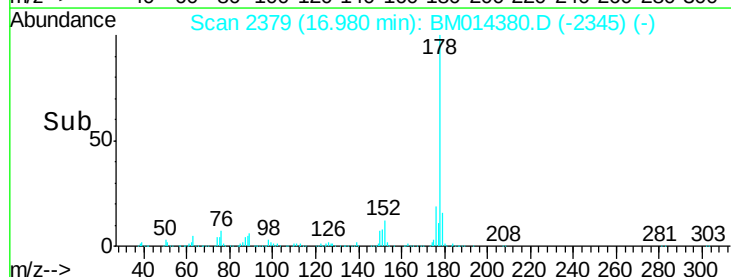
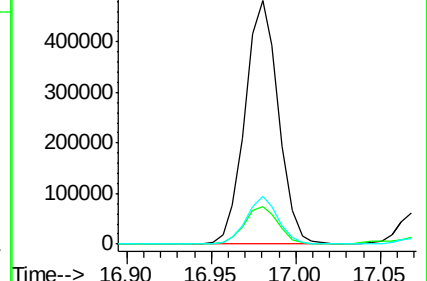
176 19.4 14.9 22.3

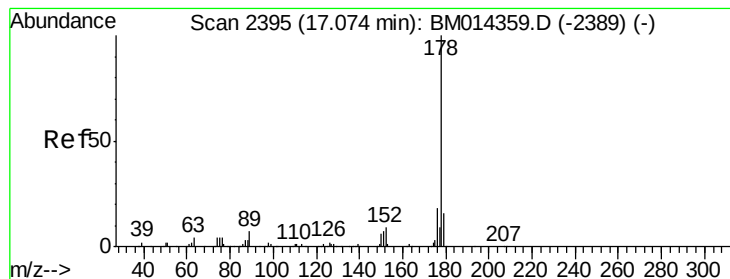


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.632 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM014380.D

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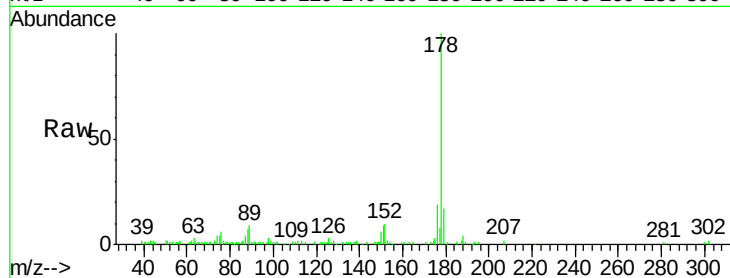
Tot Ion:178 Resp: 100975

Ion Ratio Lower Upper

178 100

179 16.9 11.7 17.5

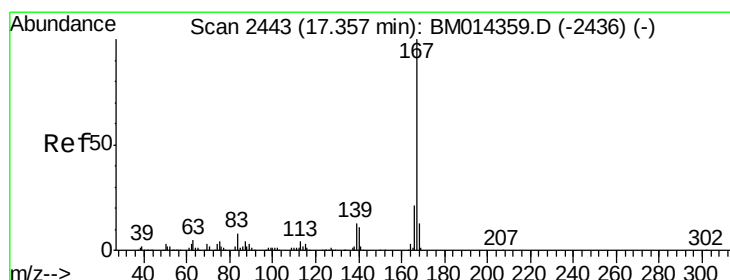
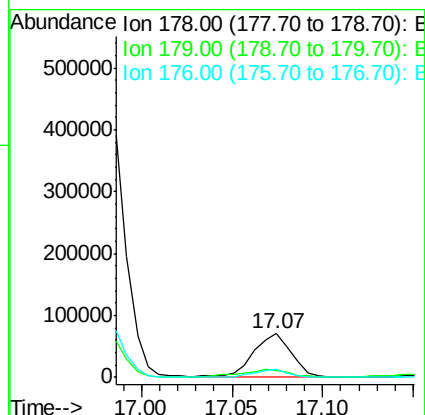
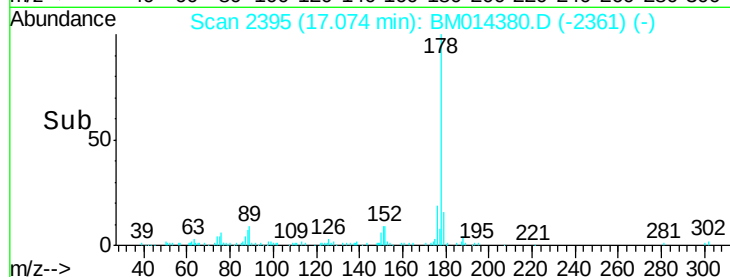
176 19.3 14.6 21.8



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: 1.793 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

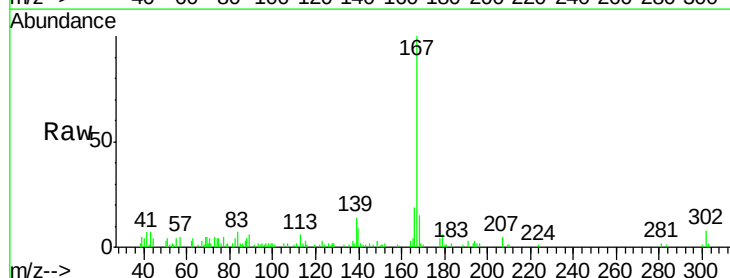
Tgt Ion:167 Resp: 41911

Ion Ratio Lower Upper

167 100

166 19.1 17.1 25.7

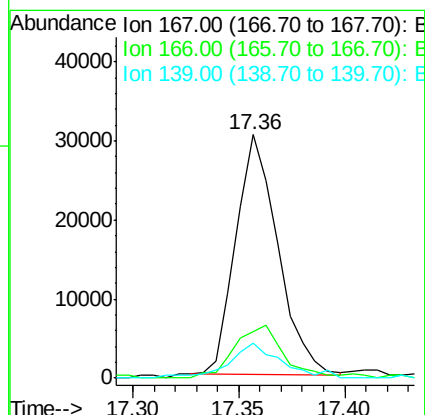
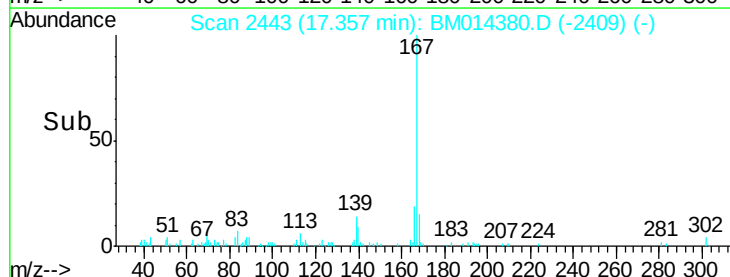
139 14.1 10.0 15.0

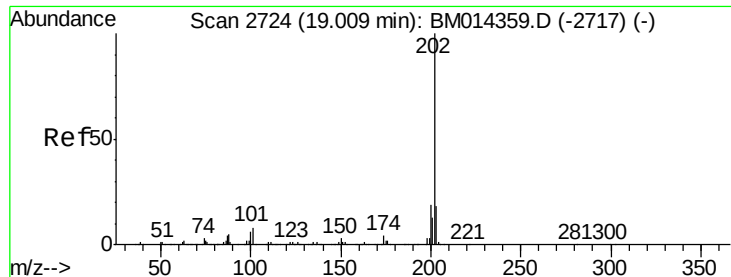


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 27.113 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

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ClientSampleId :

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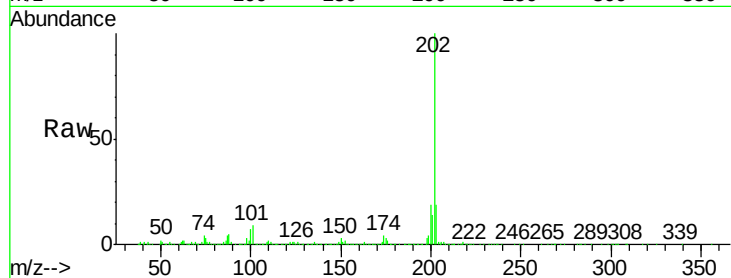
Tot Ion:202 Resp: 895559

Ion Ratio Lower Upper

202 100

101 8.7 4.6 7.0#

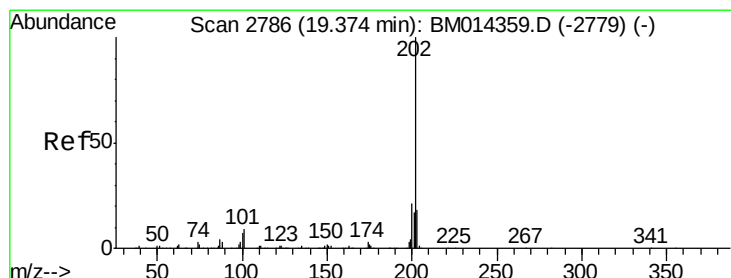
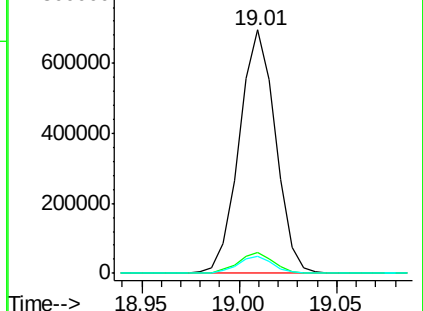
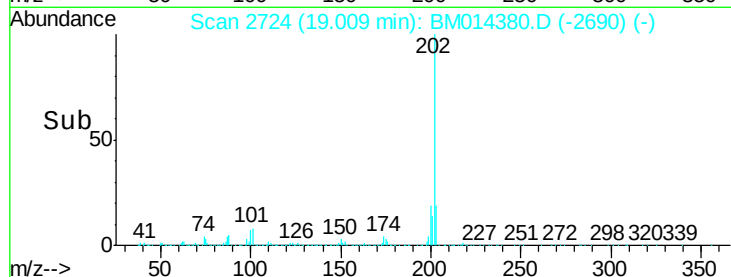
100 7.0 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 28.218 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

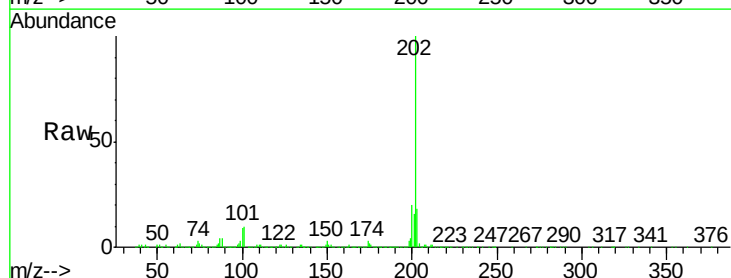
Tgt Ion:202 Resp: 868567

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

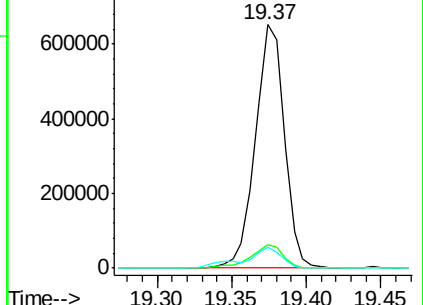
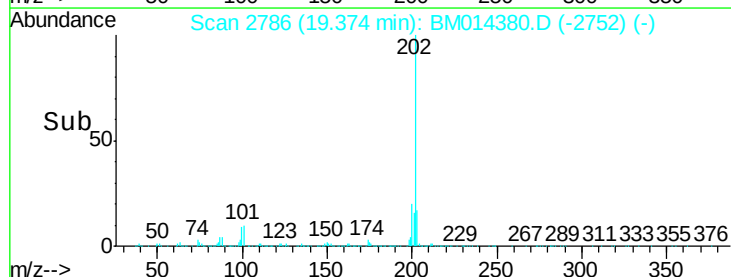
100 8.8 4.9 7.3#

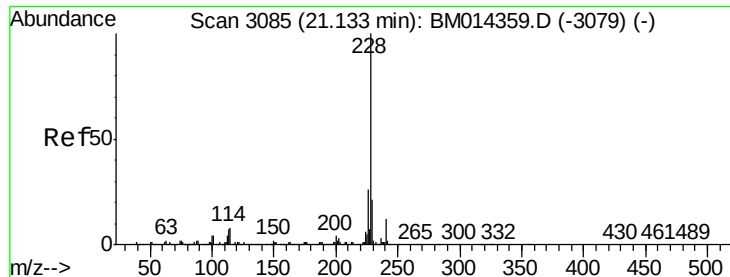


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 12.479 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

BNA_M

ClientSampleId :

BE611

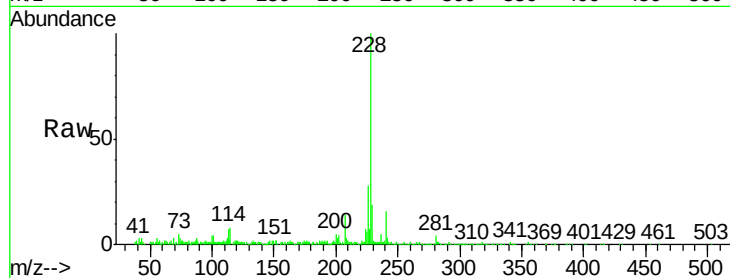
Tot Ion:228 Resp: 360710

Ion Ratio Lower Upper

228 100

229 19.0 15.4 23.0

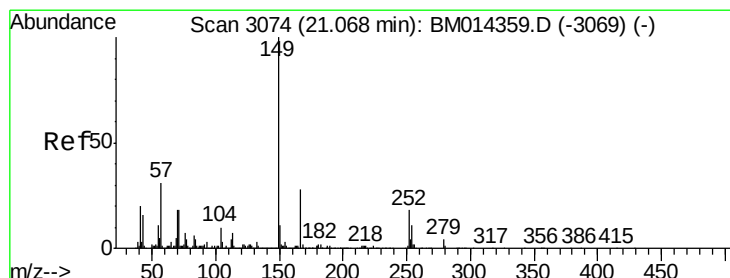
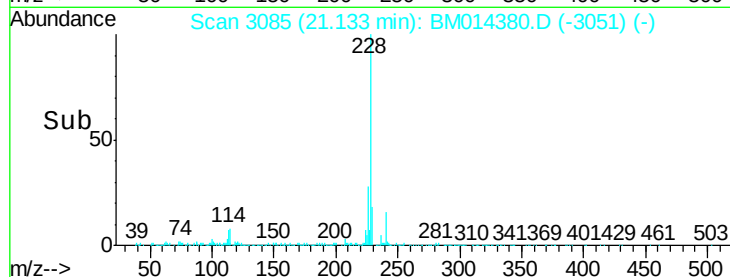
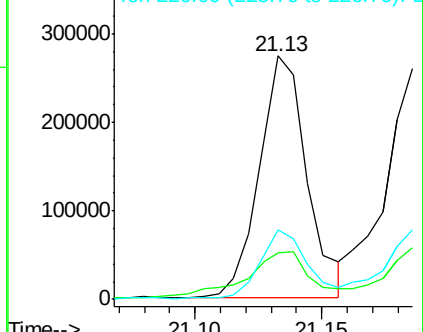
226 28.4 21.4 32.0



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: 6.561 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

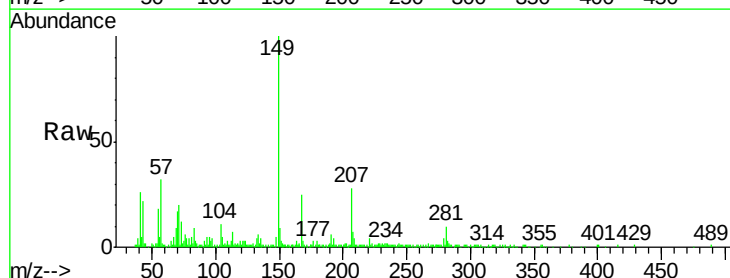
Tgt Ion:149 Resp: 119594

Ion Ratio Lower Upper

149 100

167 24.9 22.8 34.2

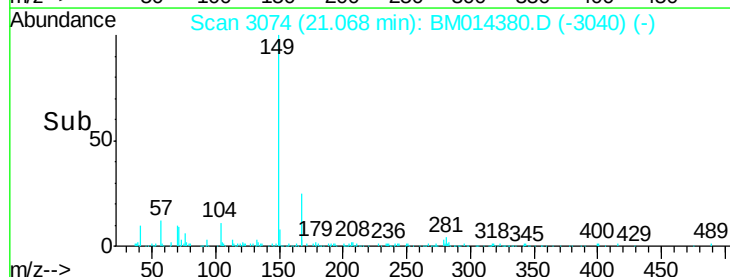
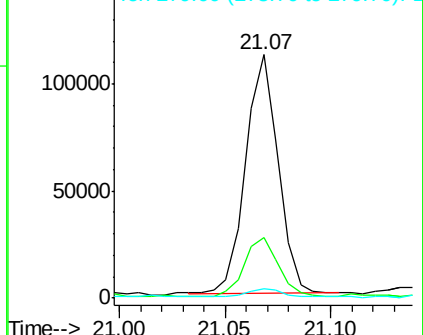
279 4.0 4.9 7.3#

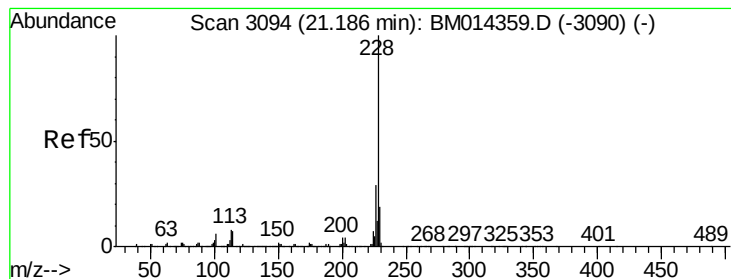


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 13.238 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

BNA_M

ClientSampleId :

BE611

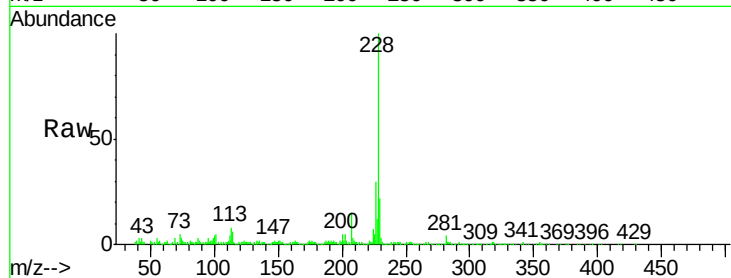
Tot Ion:228 Resp: 356973

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

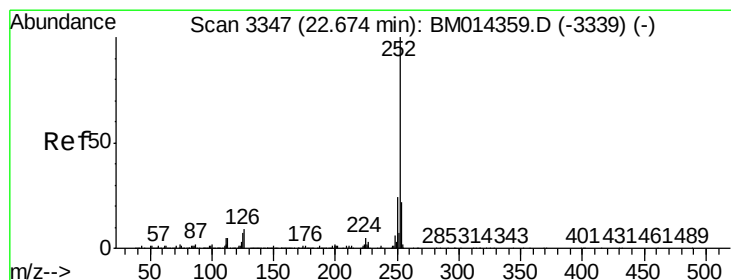
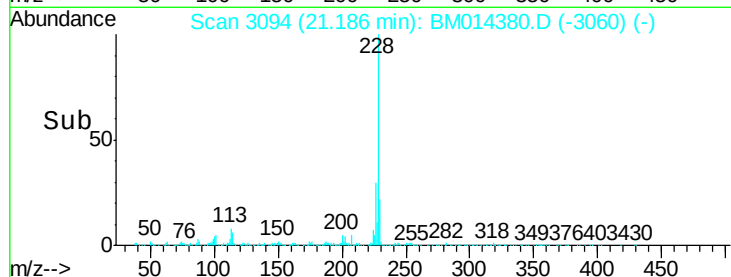
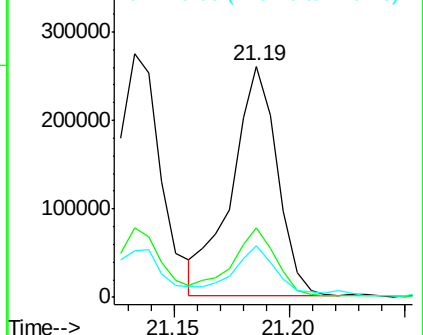
229 22.1 15.5 23.3



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: 12.715 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. 0.01 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

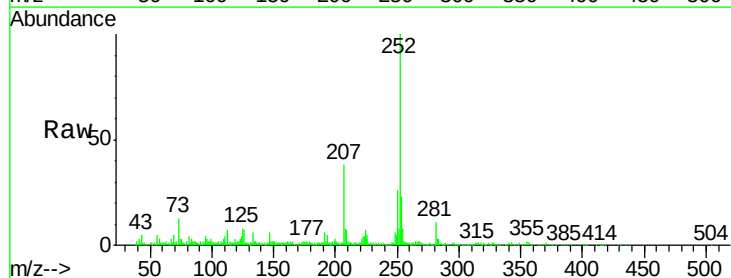
Tgt Ion:252 Resp: 390183

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

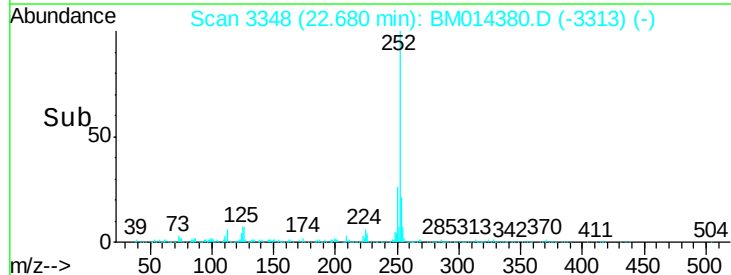
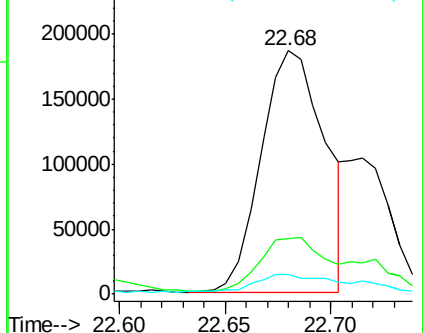
125 8.2 3.6 5.4#

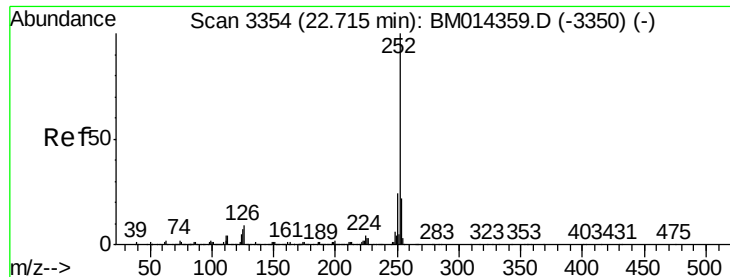


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 13.373 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. -0.04 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

BNA_M

ClientSampleId :

BE611

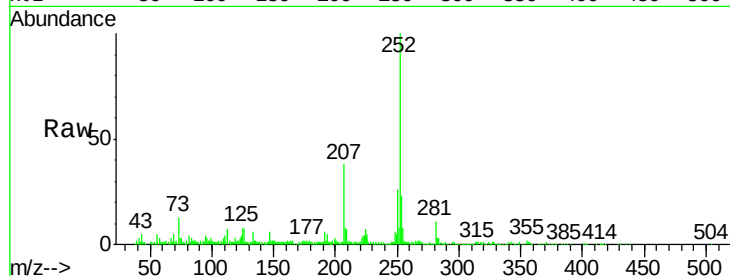
Tot Ion:252 Resp: 390183

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

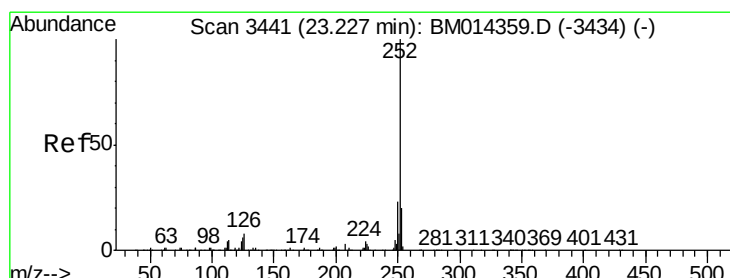
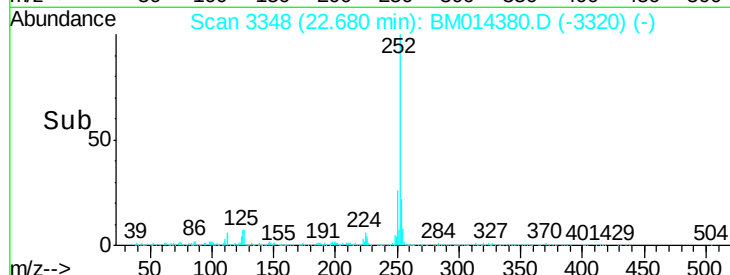
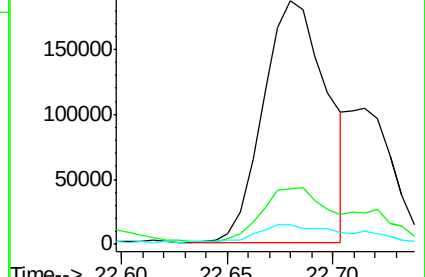
125 8.2 3.4 5.2#



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: 11.360 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.01 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

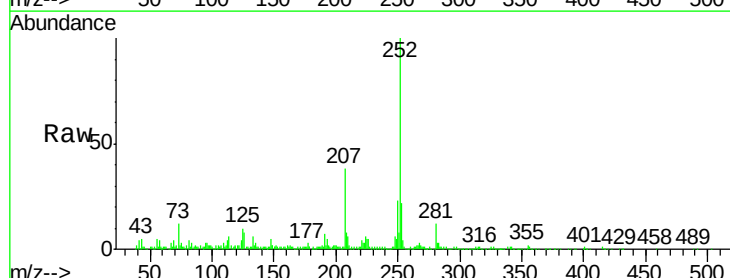
Tgt Ion:252 Resp: 311514

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

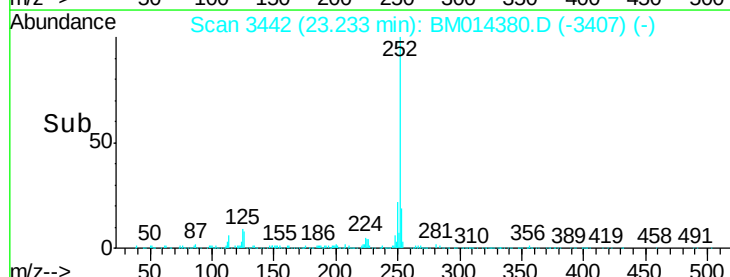
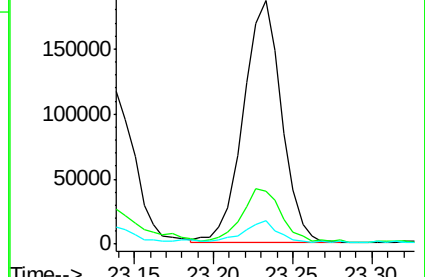
125 9.5 4.0 6.0#

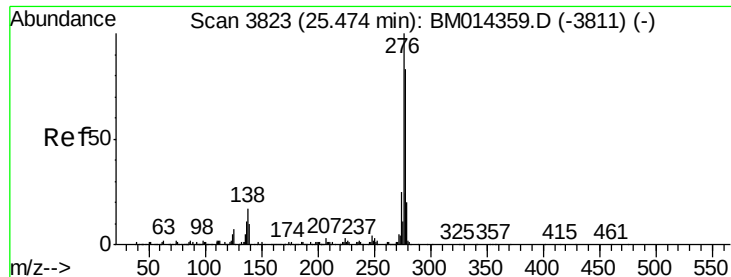


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



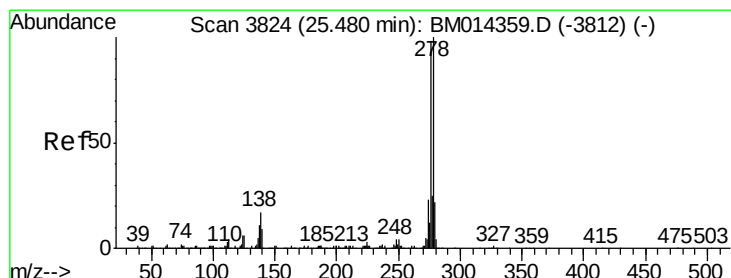
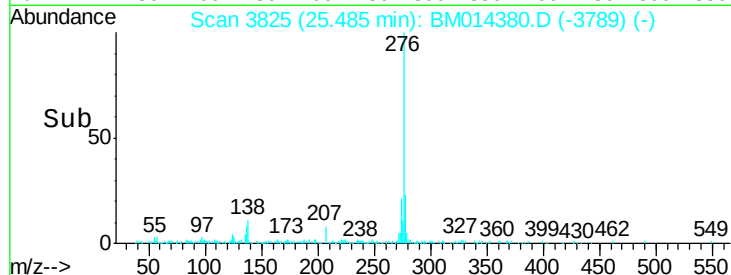
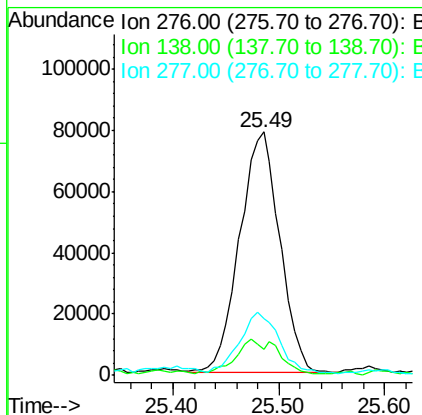
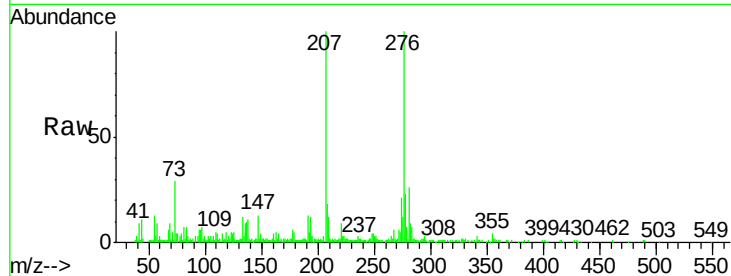


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.747 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. 0.01 min
Lab File: BM014380.D
Acq: 27 Feb 2018 13:36

Instrument :
BNA_M
ClientSampleId :
BE611

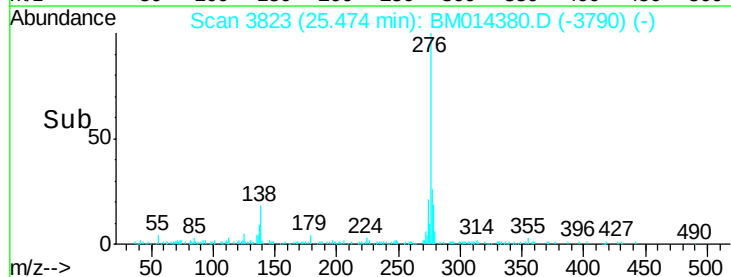
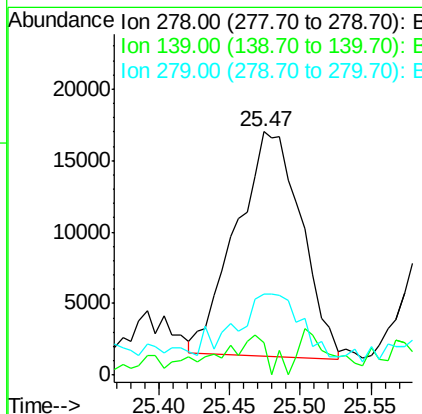
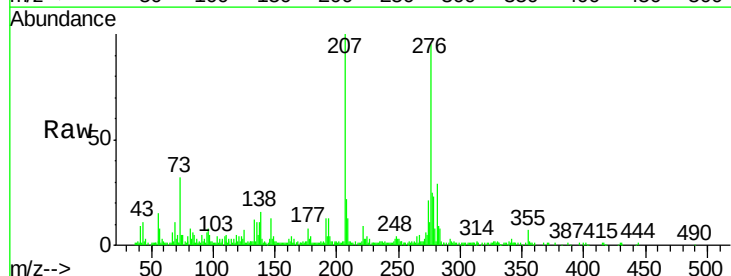
Tot Ion	Ratio	Lower	Upper
276	100		
138	10.7	9.3	13.9
277	23.3	19.9	29.9

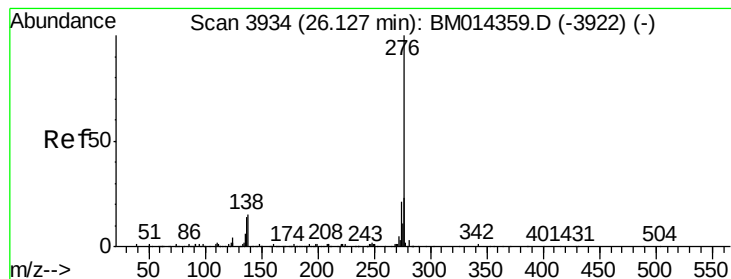


#90

Dibenzo(a,h)anthracene
Concen: 2.301 ng/ul
RT: 25.47 min Scan# 3823
Delta R.T. -0.01 min
Lab File: BM014380.D
Acq: 27 Feb 2018 13:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.5	5.8	8.8#
279	33.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.820 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. 0.02 min

Lab File: BM014380.D

Acq: 27 Feb 2018 13:36

Instrument :

BNA_M

ClientSampleId :

BE611

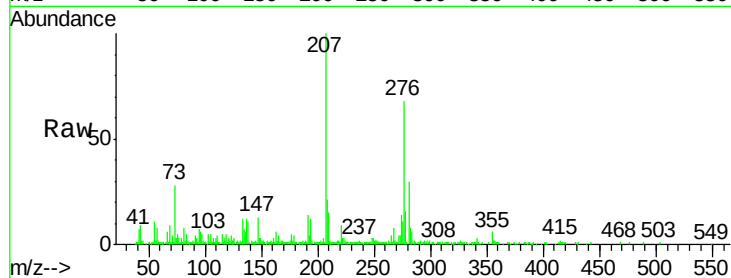
Tot Ion:276 Resp: 147017

Ion Ratio Lower Upper

276 100

138 16.8 8.5 12.7#

277 23.6 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

