

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014382.D
 Acq On : 27 Feb 2018 14:49
 Operator : SJ/JU
 Sample : J1631-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y4

Quant Time: Feb 27 16:59:20 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	105163	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	434626	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	251018	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	523547	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	496113	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	500487	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	6096	2.48	ng/uL	0.00
5) Phenol-d5	6.73	99	124281	13.98	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	82002	15.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	106733	15.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	97501	12.54	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	52592	16.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	62017	18.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	104503	15.18	ng/ul	0.02
29) 4-Chloroaniline-d4	10.47	131	28336	4.18	ng/ul	0.02
43) Dimethylphthalate-d6	13.60	166	368696	17.79	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	454073	17.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	40991	14.32	ng/ul	0.02
57) Fluorene-d10	15.18	176	322574	17.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	24785	7.89	ng/ul	0.01
70) Anthracene-d10	17.04	188	500049	19.80	ng/ul	0.00
76) Pyrene-d10	19.35	212	513501	20.07	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	463566	19.03	ng/ul	0.01

Target Compounds

				Ovalue	
4) Benzaldehyde	6.70	77	8758	2.417	ng/ul# 85
6) Phenol	6.76	94	26922	2.887	ng/ul 94
14) Acetophenone	8.35	105	69825	5.204	ng/ul 89
28) Naphthalene	10.34	128	28114	1.259	ng/ul# 95
44) Dimethylphthalate	13.65	163	87769	4.294	ng/ul# 98
47) Acenaphthylene	13.90	152	51662	2.138	ng/ul# 97
49) Acenaphthene	14.25	153	19858	1.167	ng/ul 97
58) Fluorene	15.24	166	30414	1.381	ng/ul# 84
69) Phenanthrene	16.98	178	705839	23.400	ng/ul 98
71) Anthracene	17.07	178	143114	4.718	ng/ul 99
72) Carbazole	17.36	167	56680	2.222	ng/ul 97
73) Di-n-butylphthalate	17.92	149	34237	1.040	ng/ul# 86
74) Fluoranthene	19.02	202	1337839	37.122	ng/ul# 95
77) Pyrene	19.38	202	1160575	35.201	ng/ul# 92
80) Benzo(a)anthracene	21.14	228	637313	20.583	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.07	149	183913	9.420	ng/ul# 95
82) Chrysene	21.19	228	598753	20.730	ng/ul 97
85) Benzo(b)fluoranthene	22.69	252	789573	23.561	ng/ul# 96
86) Benzo(k)fluoranthene	22.69	252	789573	24.781	ng/ul# 94
88) Benzo(a)pyrene	23.24	252	571594	19.087	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	25.50	276	392769	13.516	ng/ul 97
90) Dibenzo(a,h)anthracene	25.48	278	65093	2.696	ng/ul# 87
91) Benzo(g,h,i)perylene	26.16	276	312711	13.284	ng/ul# 97

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Instrument :
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BE5Y4

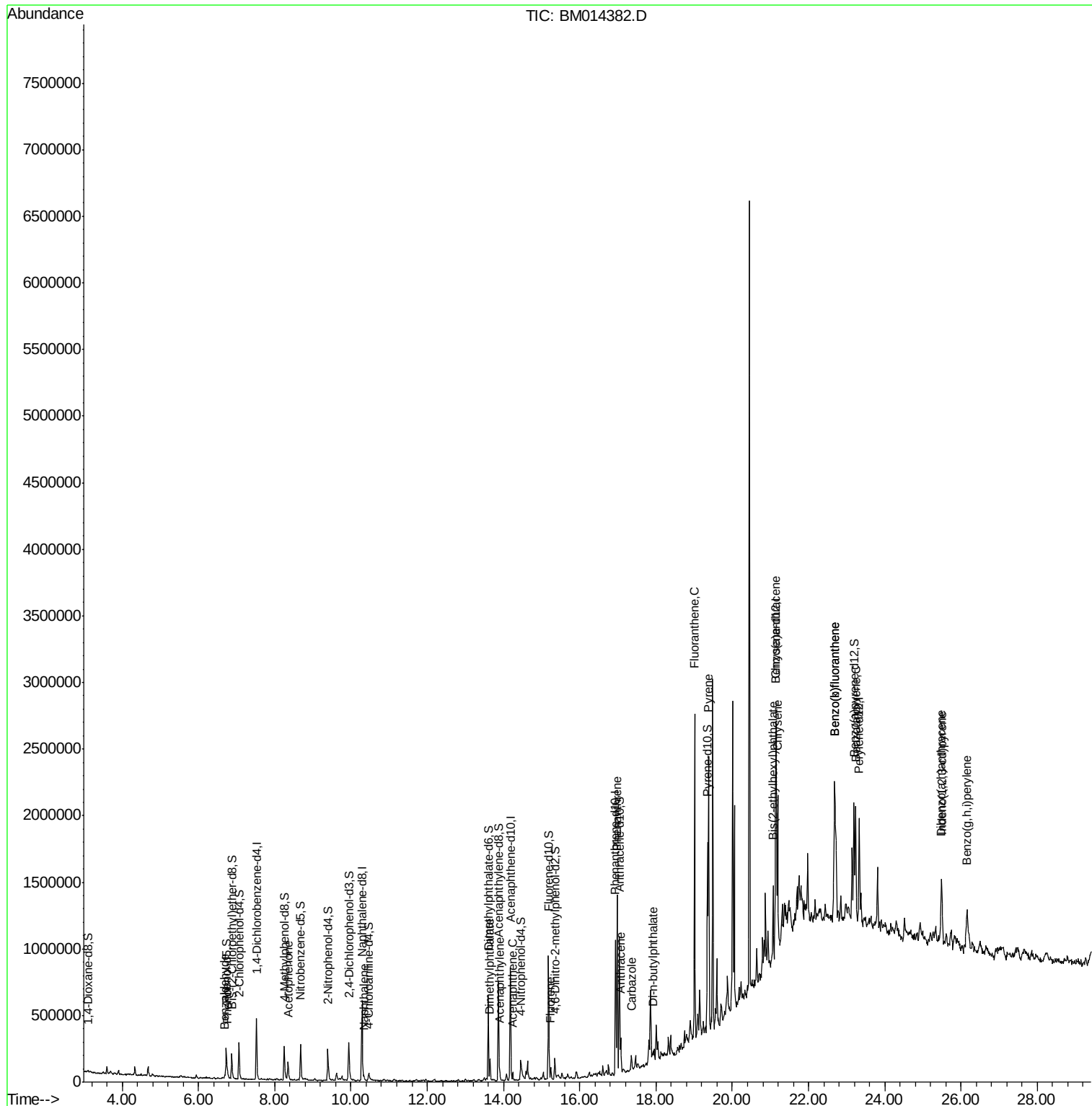
Quant Time: Feb 27 16:59:20 2018
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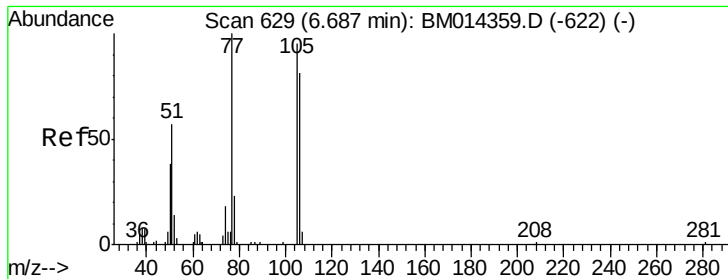
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On    : 27 Feb 2018   14:49  
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#4

Benzaldehyde

Concen: 2.417 ng/ul

RT: 6.70 min Scan# 631

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampled :

BE5Y4

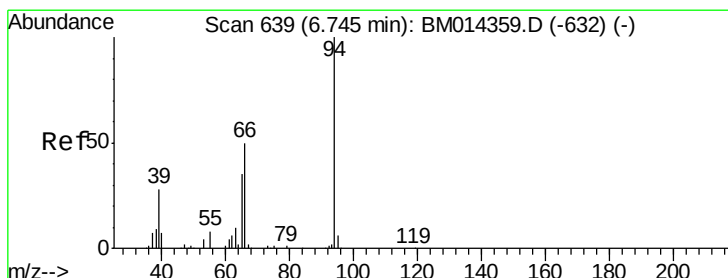
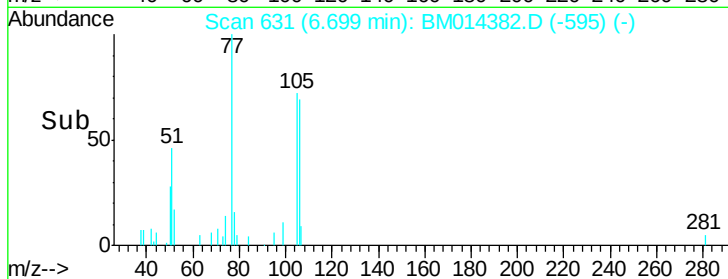
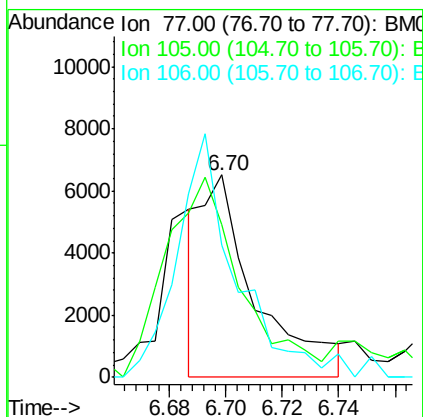
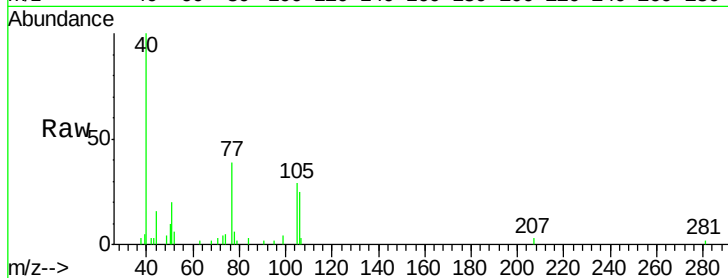
Tot Ion: 77 Resp: 8758

Ion Ratio Lower Upper

77 100

105 75.4 66.1 99.1

106 65.5 67.8 101.6#



#6

Phenol

Concen: 2.887 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.02 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

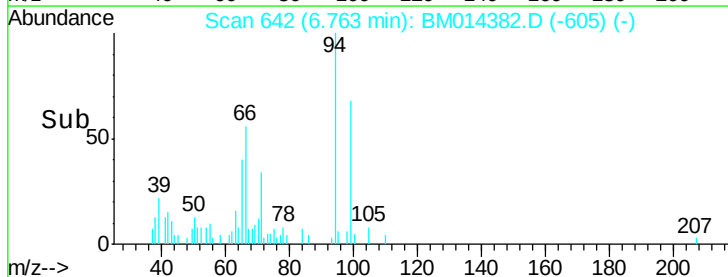
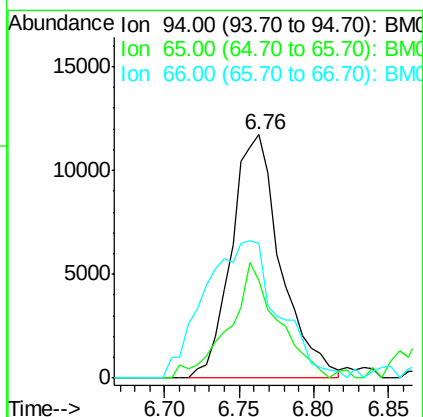
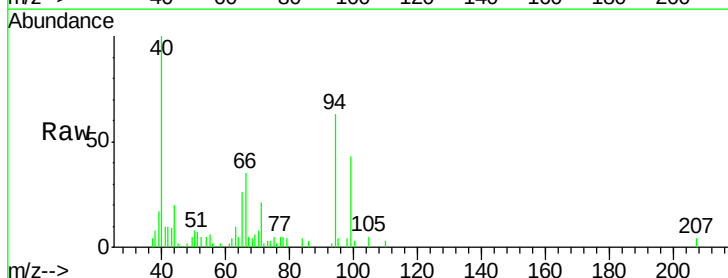
Tgt Ion: 94 Resp: 26922

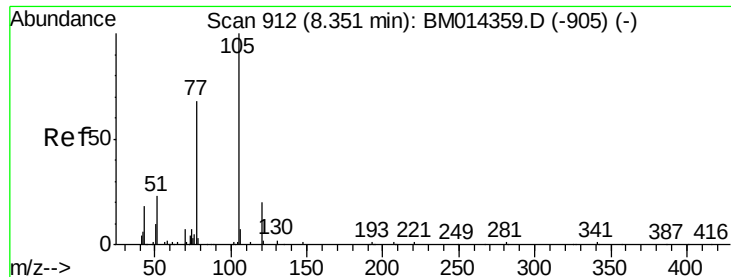
Ion Ratio Lower Upper

94 100

65 40.3 28.2 42.4

66 55.6 47.2 70.8





#14

Acetophenone

Concen: 5.204 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

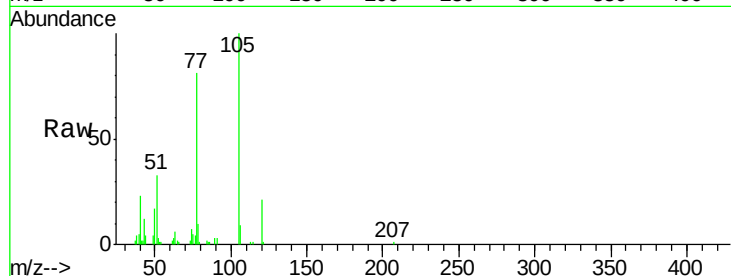
Tot Ion:105 Resp: 69825

Ion Ratio Lower Upper

105 100

77 81.0 74.2 111.4

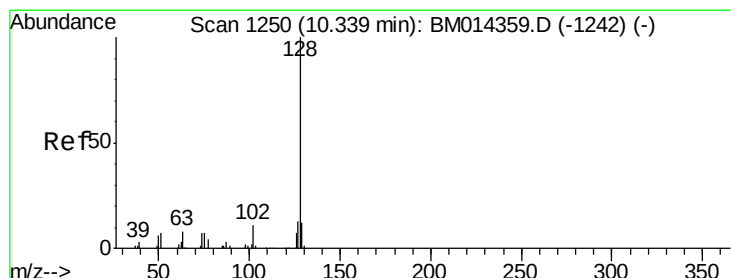
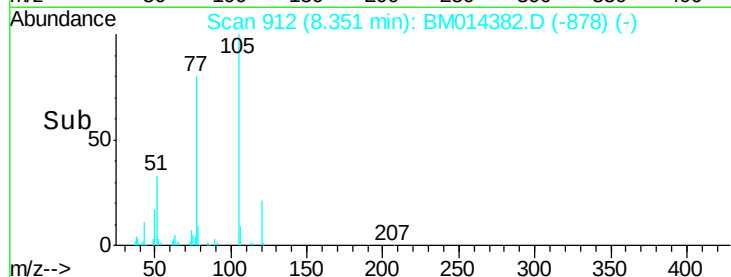
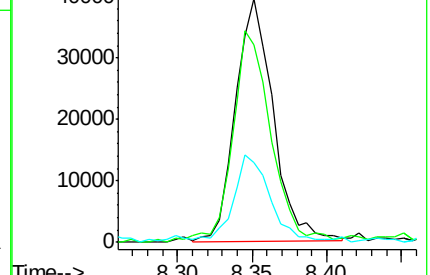
51 32.7 23.4 35.2



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: 1.259 ng/ul

RT: 10.34 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

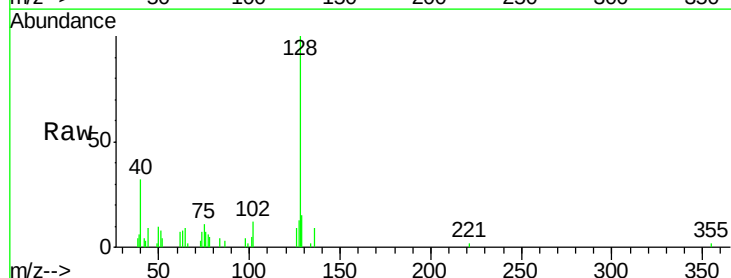
Tgt Ion:128 Resp: 28114

Ion Ratio Lower Upper

128 100

129 14.8 8.8 13.2#

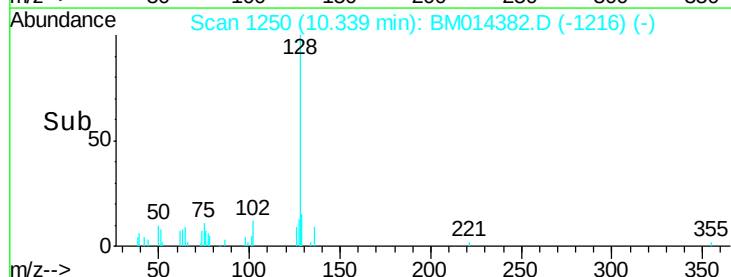
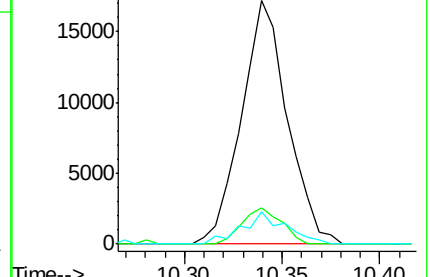
127 13.3 10.6 16.0

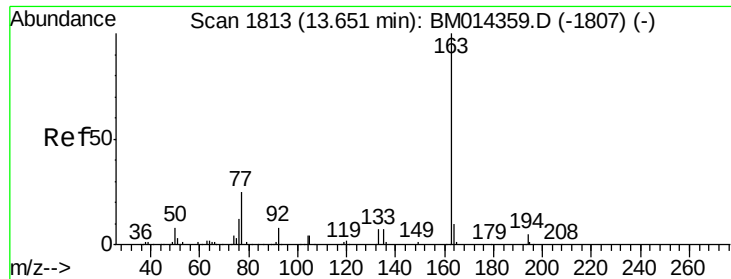


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#44

Dimethylphthalate

Concen: 4.294 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

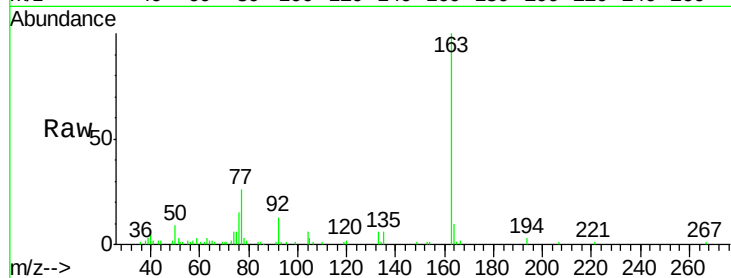
Tot Ion:163 Resp: 87769

Ion Ratio Lower Upper

163 100

194 3.1 3.5 5.3#

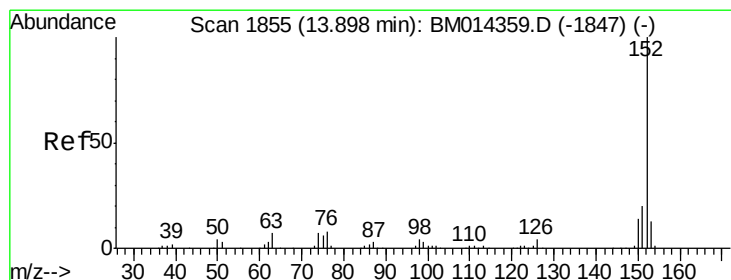
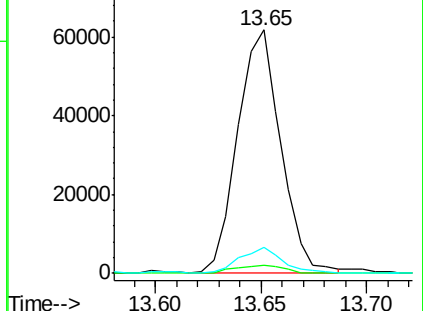
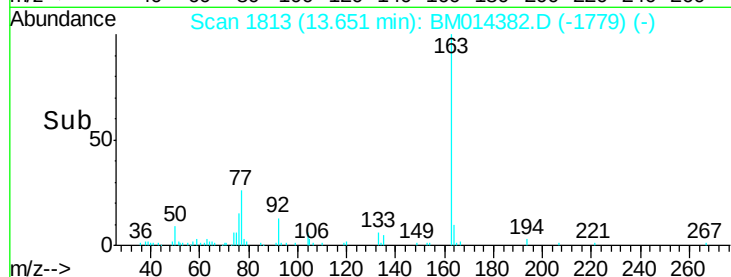
164 10.5 8.2 12.4



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: 2.138 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

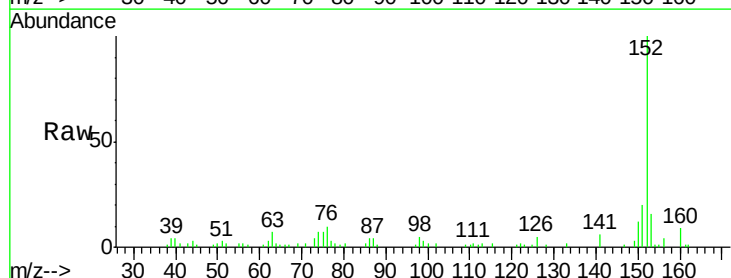
Tgt Ion:152 Resp: 51662

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

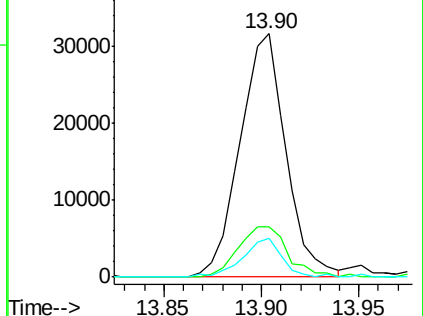
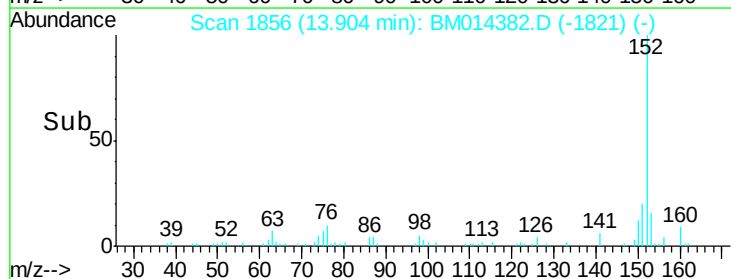
153 15.8 10.2 15.4#

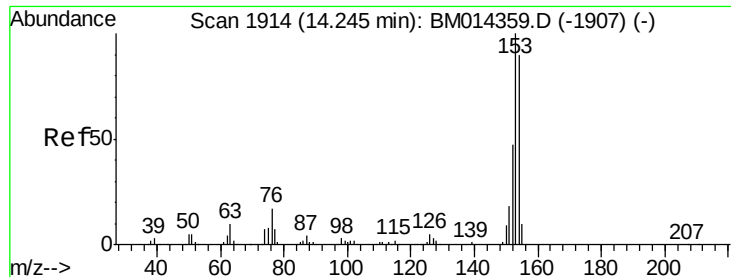


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.167 ng/ul

RT: 14.25 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

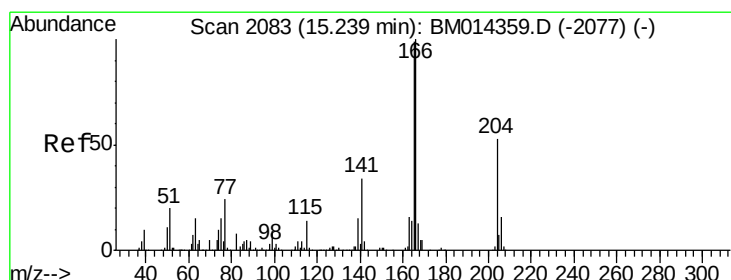
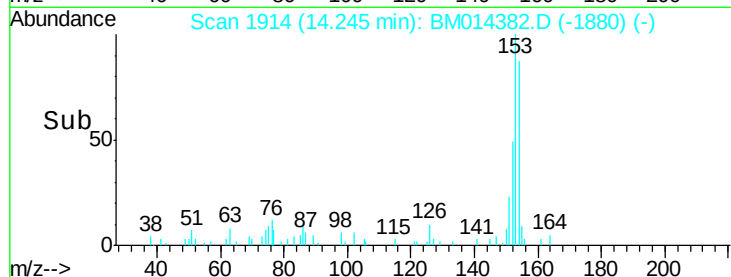
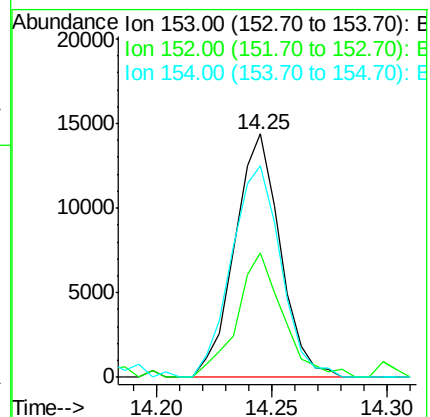
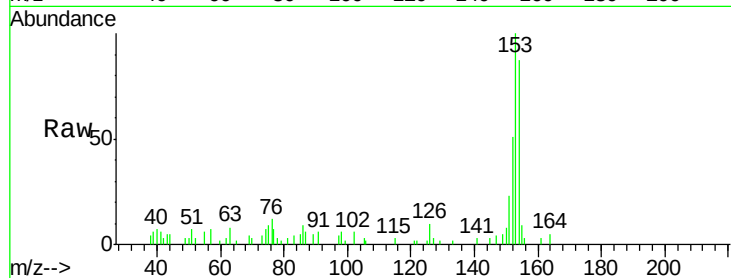
Tot Ion:153 Resp: 19858

Ion Ratio Lower Upper

153 100

152 51.4 37.6 56.4

154 86.9 70.4 105.6



#58

Fluorene

Concen: 1.381 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

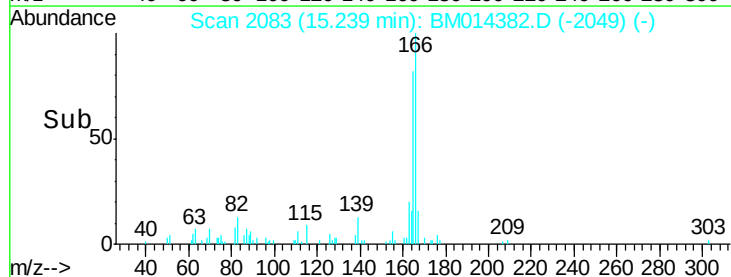
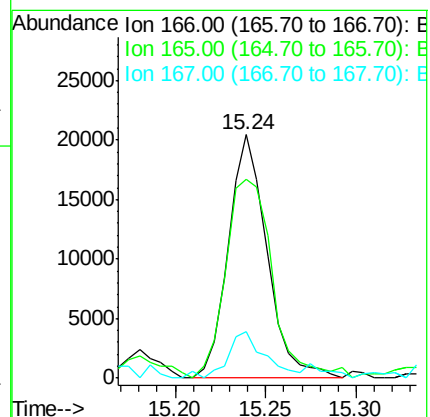
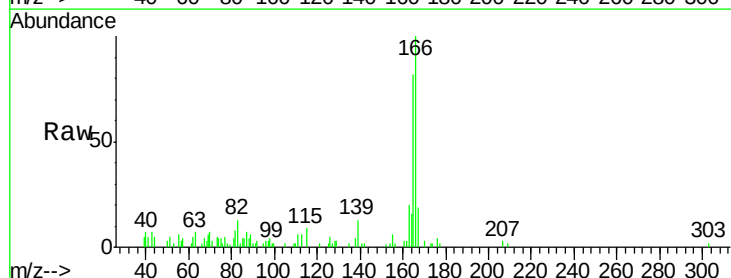
Tgt Ion:166 Resp: 30414

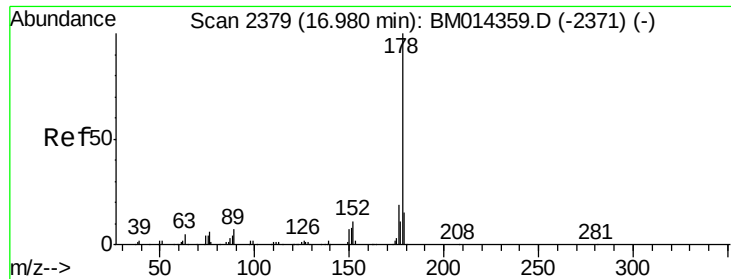
Ion Ratio Lower Upper

166 100

165 81.6 77.9 116.9

167 19.3 10.6 16.0#





#69

Phenanthrene

Concen: 23.400 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

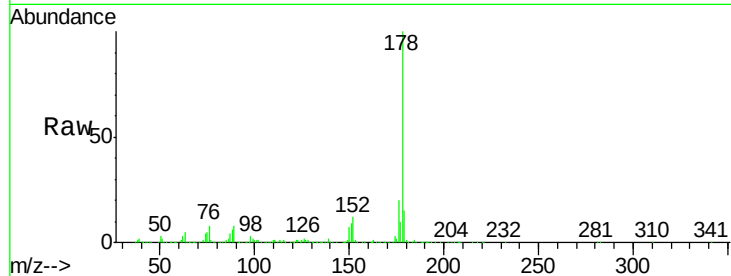
Tot Ion:178 Resp: 705839

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

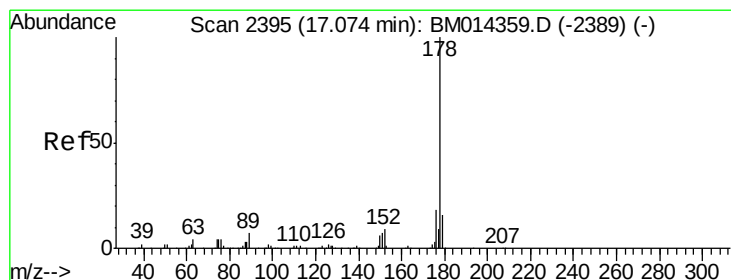
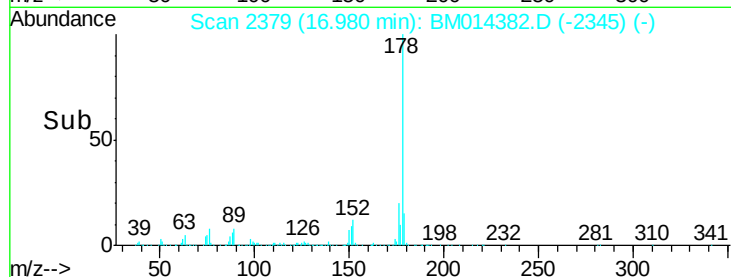
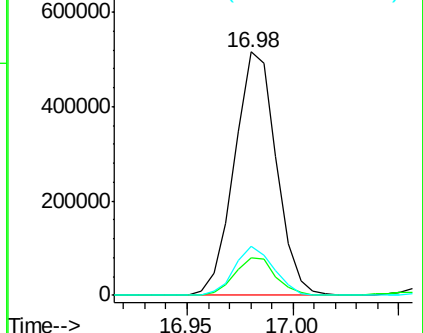
176 20.3 14.9 22.3



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: 4.718 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

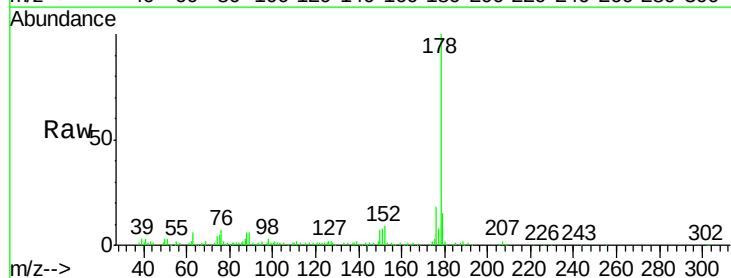
Tgt Ion:178 Resp: 143114

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

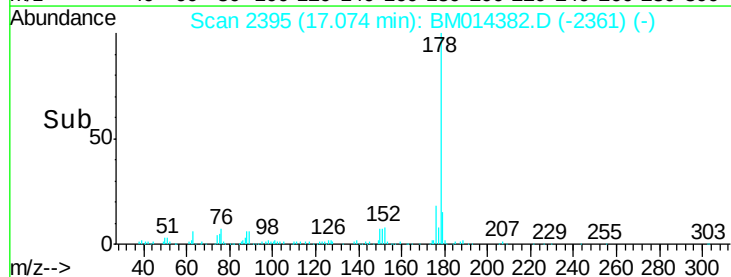
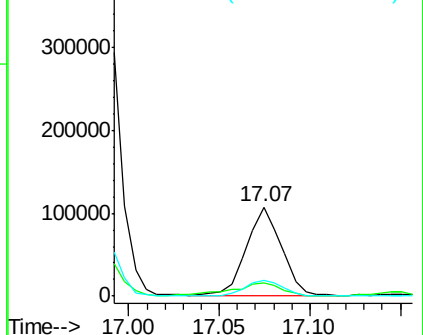
176 17.8 14.6 21.8

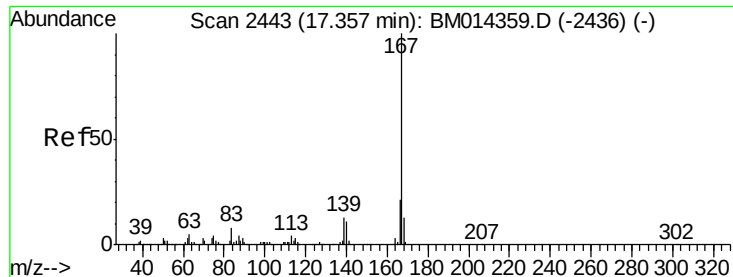


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.222 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

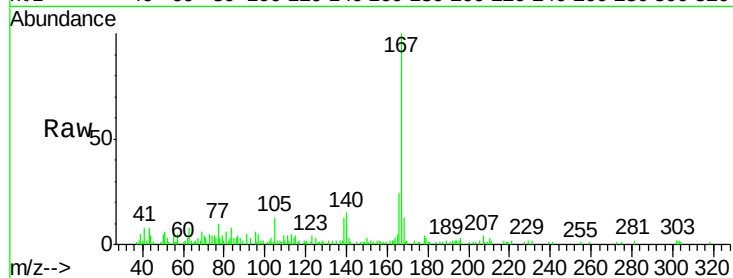
Tot Ion:167 Resp: 56680

Ion Ratio Lower Upper

167 100

166 23.8 17.1 25.7

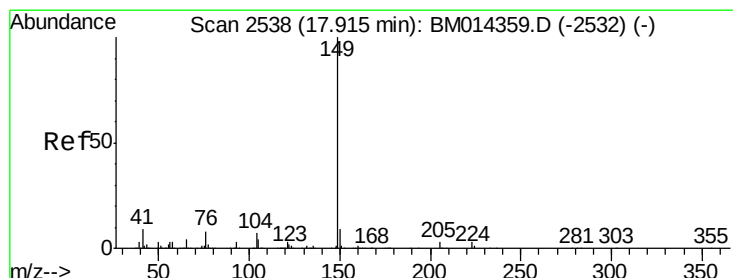
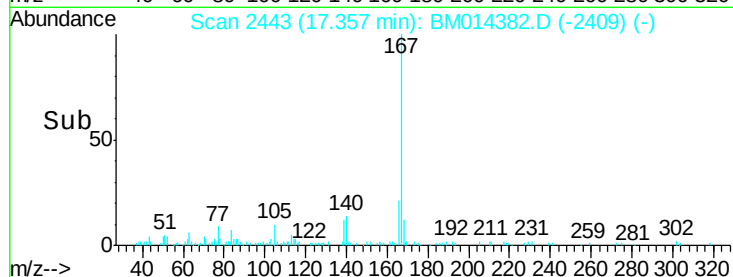
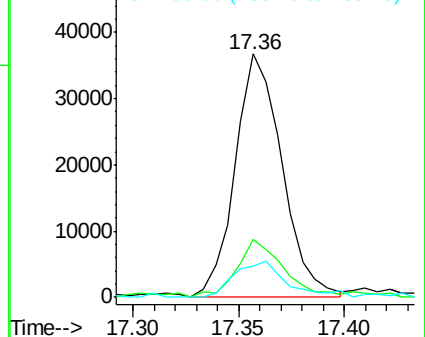
139 12.8 10.0 15.0



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: 1.040 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

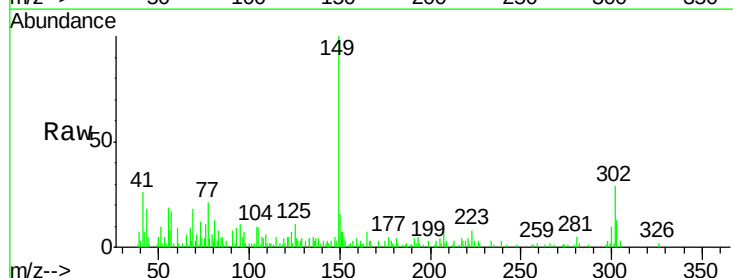
Tgt Ion:149 Resp: 34237

Ion Ratio Lower Upper

149 100

150 15.9 7.1 10.7#

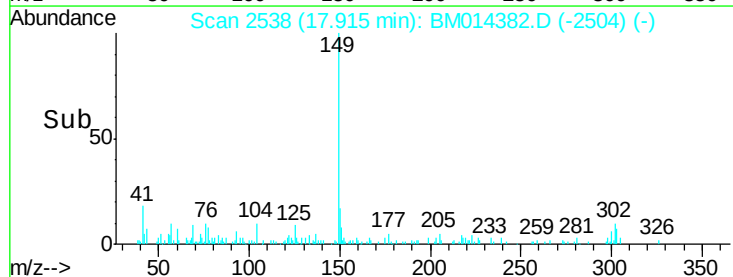
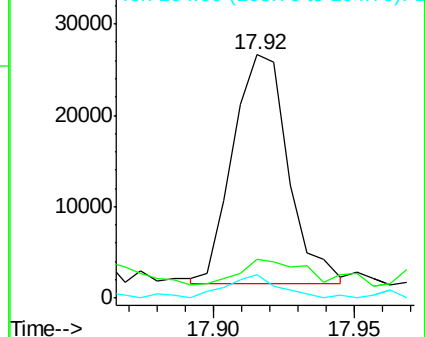
104 9.8 5.6 8.4#

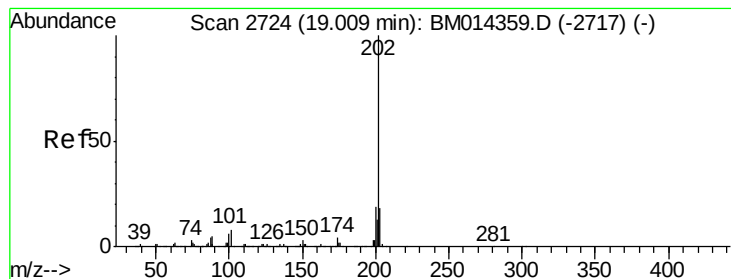


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 37.122 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

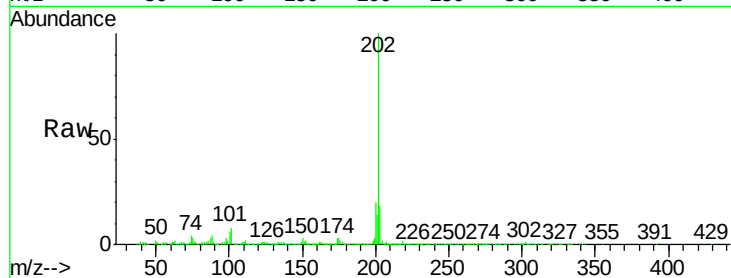
Tot Ion:202 Resp: 1337839

Ion Ratio Lower Upper

202 100

101 7.6 4.6 7.0#

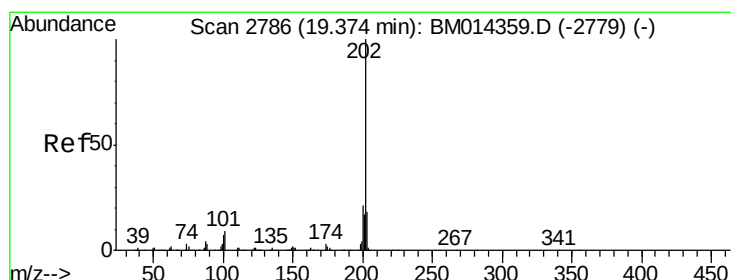
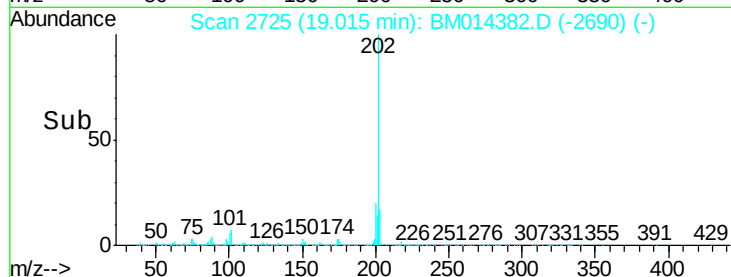
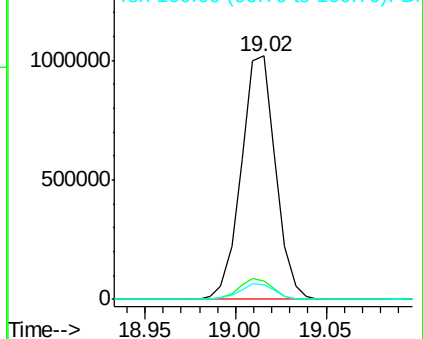
100 6.1 3.4 5.2#



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: 35.201 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

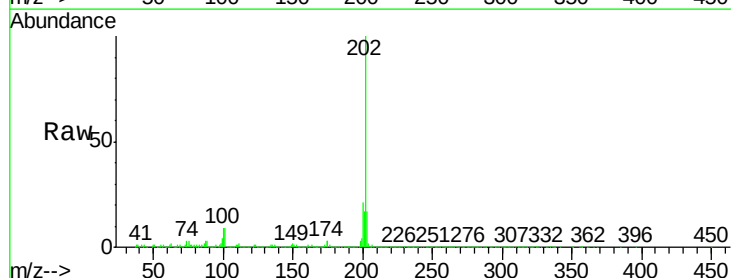
Tgt Ion:202 Resp: 1160575

Ion Ratio Lower Upper

202 100

101 9.4 5.1 7.7#

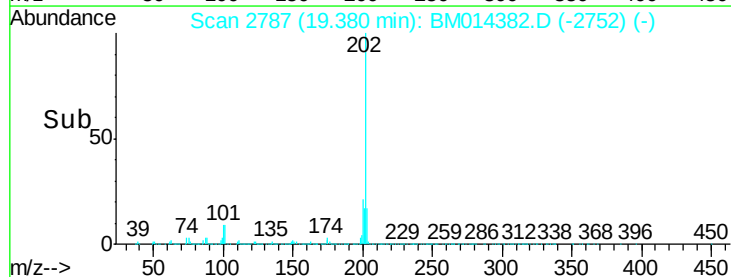
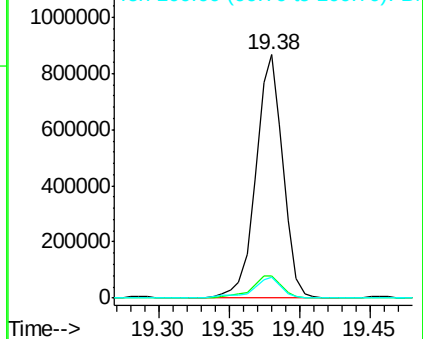
100 8.6 4.9 7.3#

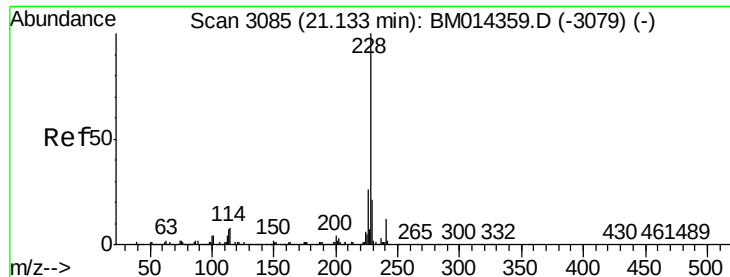


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 20.583 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

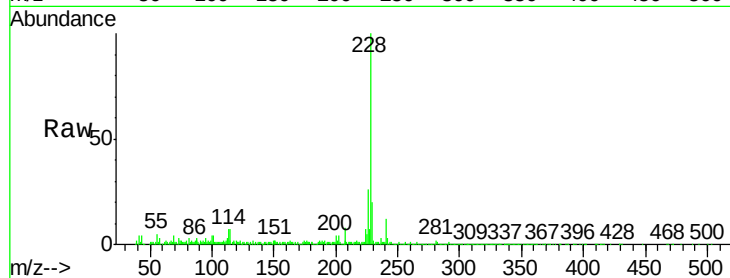
Tot Ion:228 Resp: 637313

Ion Ratio Lower Upper

228 100

229 19.7 15.4 23.0

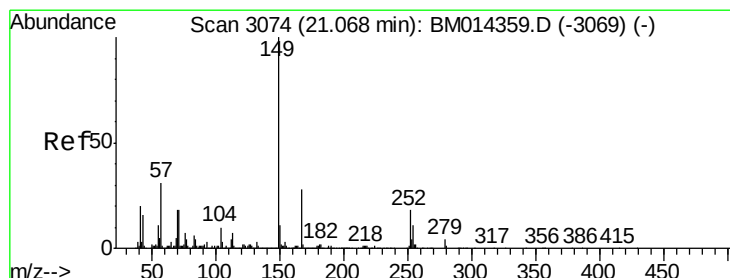
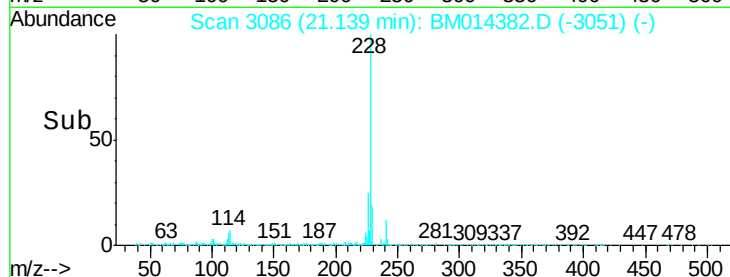
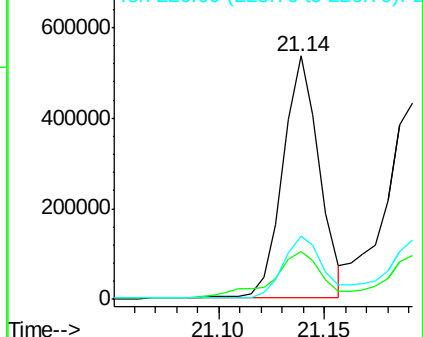
226 25.8 21.4 32.0



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: 9.420 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

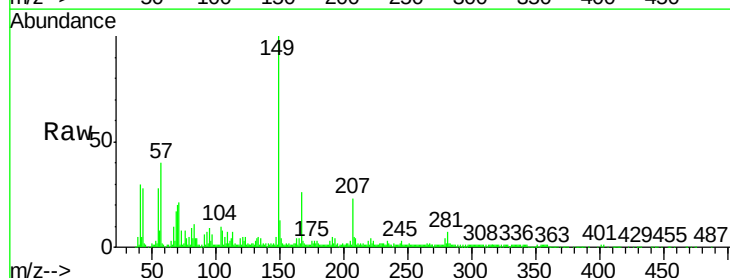
Tgt Ion:149 Resp: 183913

Ion Ratio Lower Upper

149 100

167 25.8 22.8 34.2

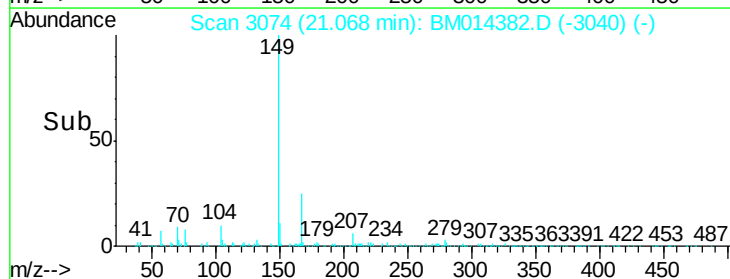
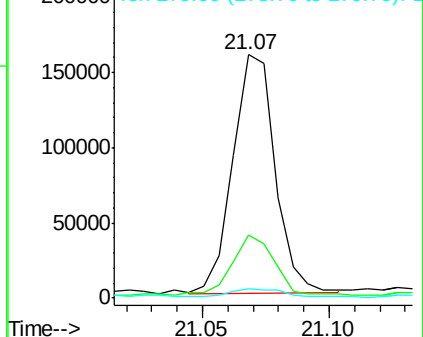
279 4.1 4.9 7.3#

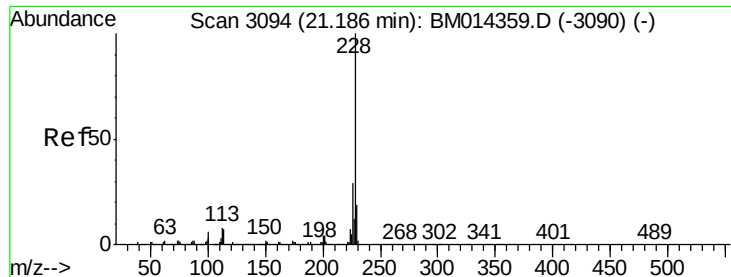


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 20.730 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

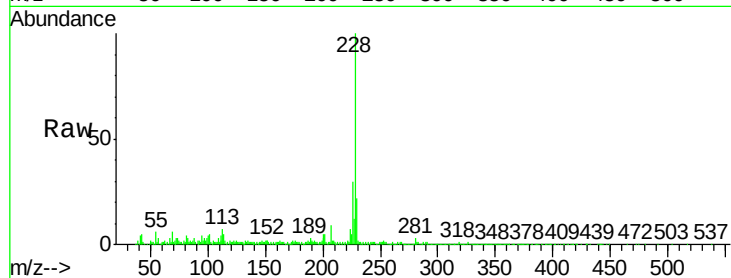
BNA_M

ClientSampleId :

BE5Y4

Tot Ion:228 Resp: 598753

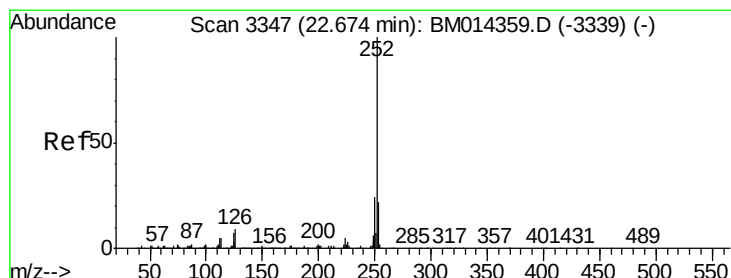
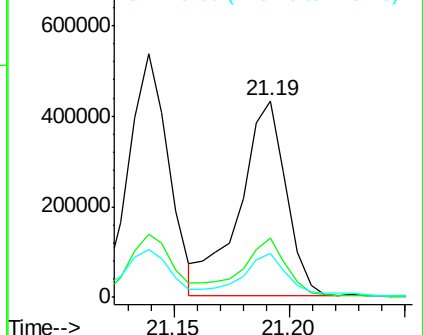
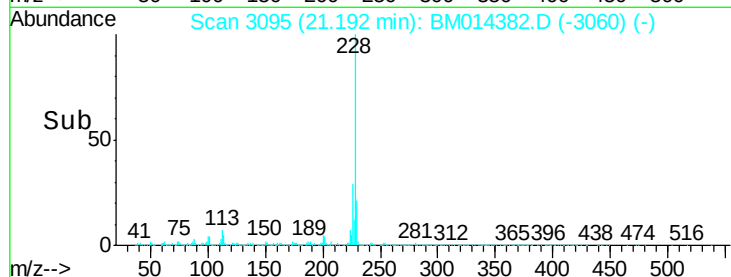
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.3	15.5	23.3



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: 23.561 ng/ul

RT: 22.69 min Scan# 3349

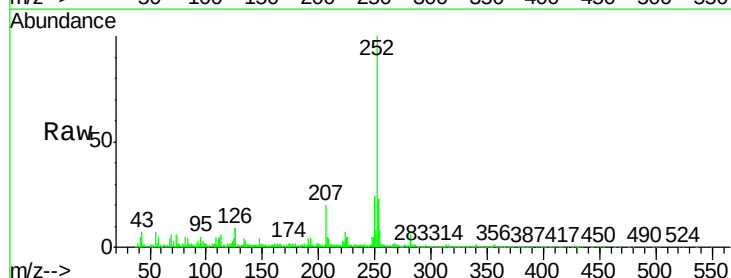
Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Tgt Ion:252 Resp: 789573

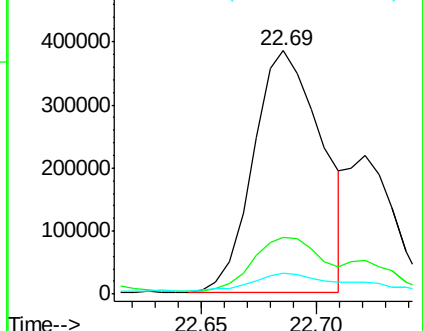
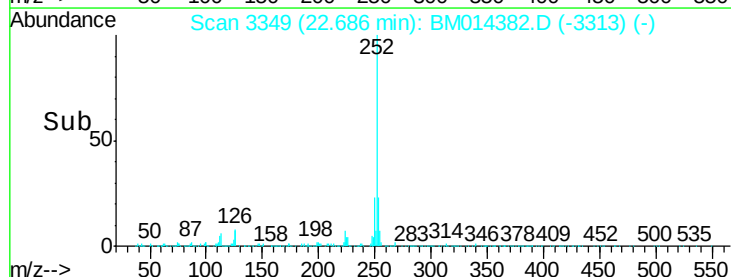
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	8.8	3.6	5.4#

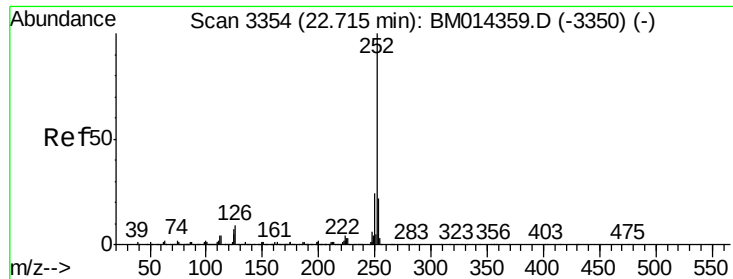


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 24.781 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.03 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

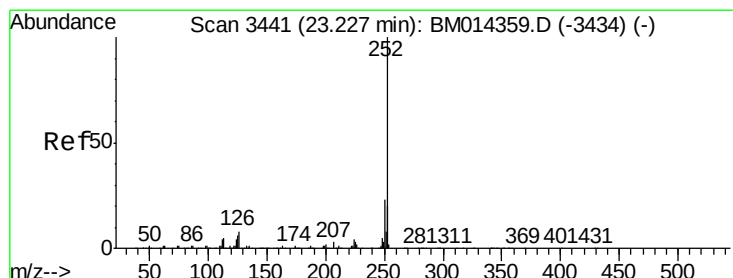
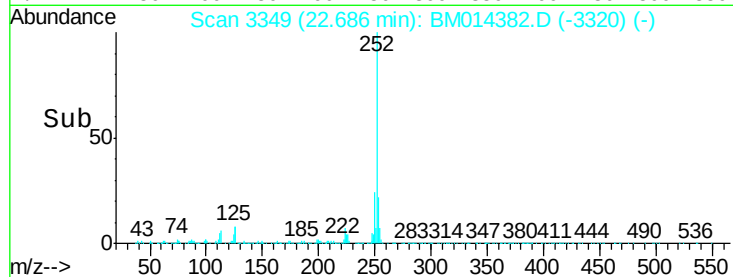
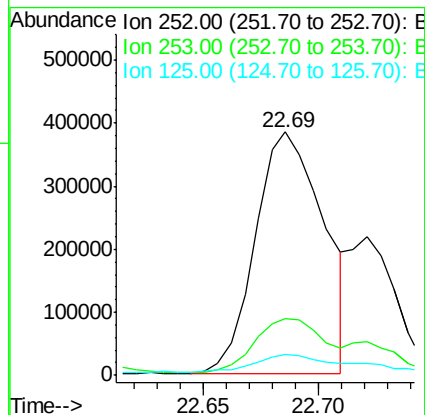
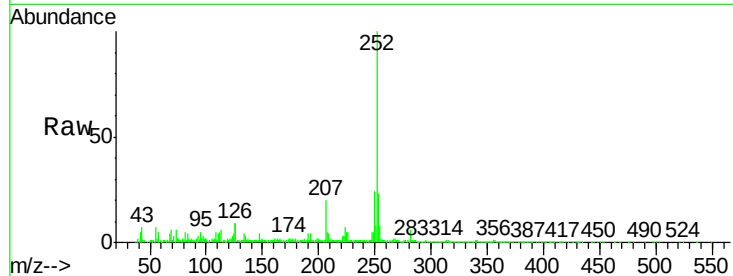
Tot Ion:252 Resp: 789573

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 8.8 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 19.087 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

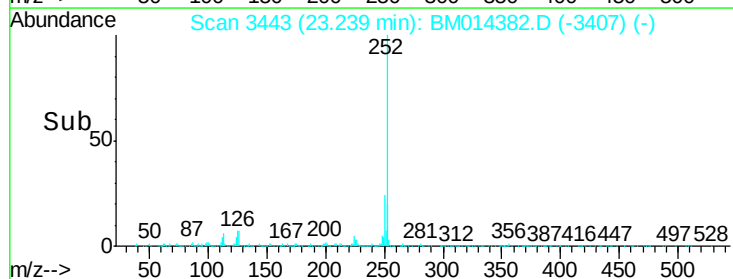
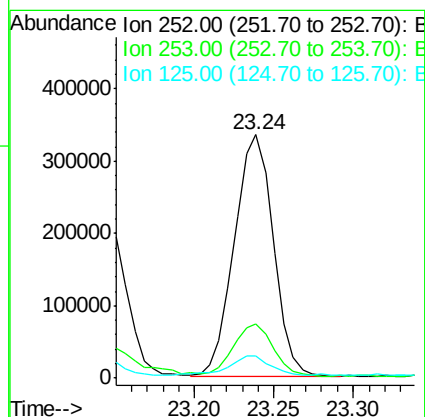
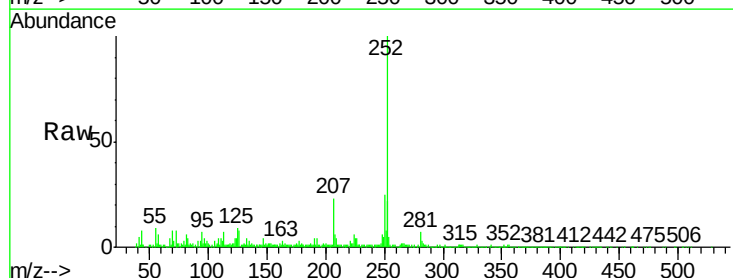
Tgt Ion:252 Resp: 571594

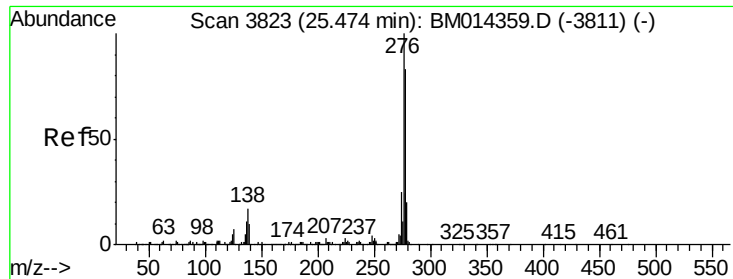
Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

125 8.9 4.0 6.0#



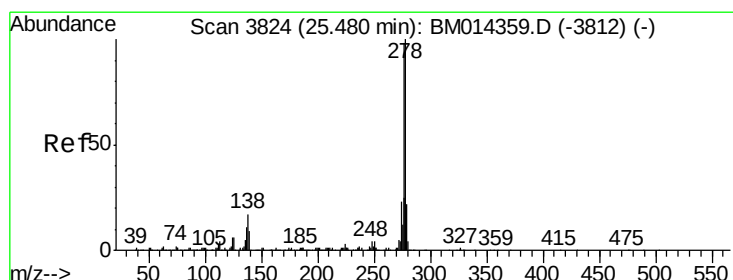
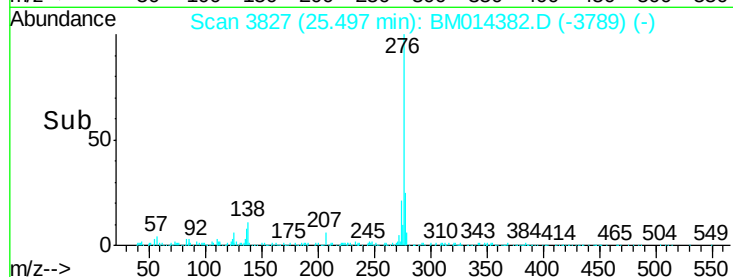
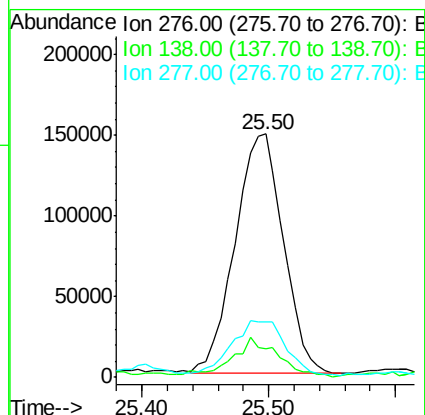
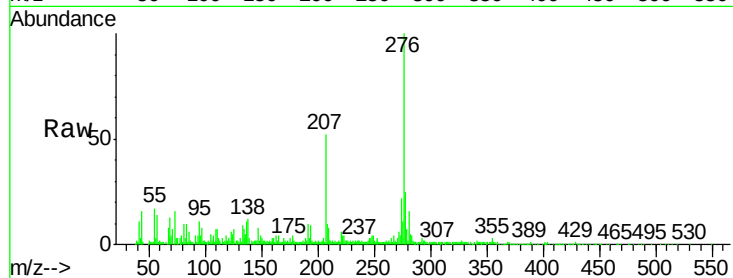


#89

Indeno(1,2,3-cd)pyrene
Concen: 13.516 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Instrument :
BNA_M
ClientSampleId :
BE5Y4

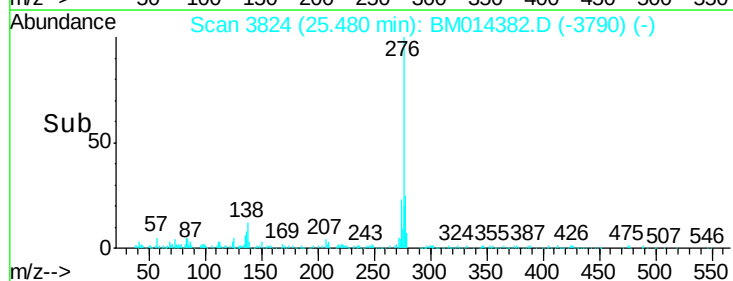
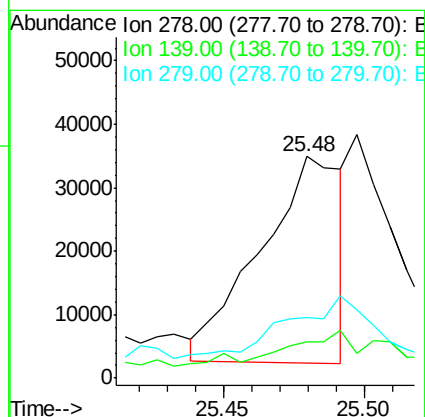
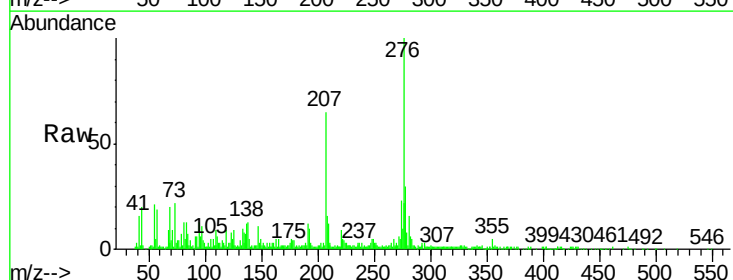
Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	9.3	13.9
277	22.6	19.9	29.9

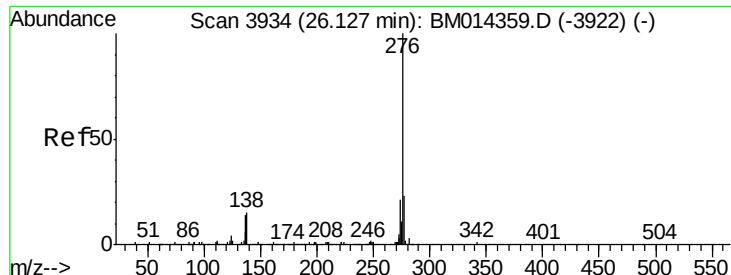


#90

Dibenzo(a,h)anthracene
Concen: 2.696 ng/ul
RT: 25.48 min Scan# 3824
Delta R.T. 0.00 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.4	5.8	8.8#
279	27.5	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 13.284 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.04 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampleId :

BE5Y4

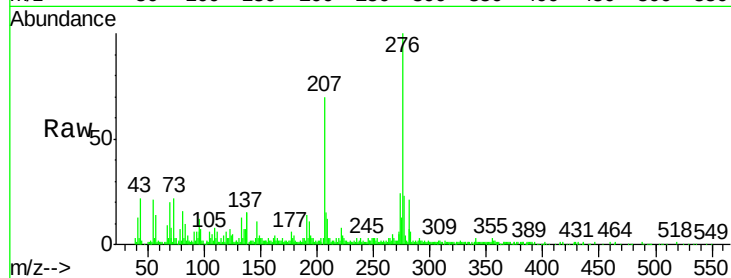
Tot Ion:276 Resp: 312711

Ion Ratio Lower Upper

276 100

138 14.5 8.5 12.7#

277 23.4 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

