

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014476.D
 Acq On : 05 Mar 2018 17:00
 Operator : SJ/JU
 Sample : J1678-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 05 23:01:13 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:00:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	90515	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	379303	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	205542	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	409235	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	367322	20.00	ng/ul	0.00
83) Perylene-d12	23.35	264	360364	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7331	3.47	ng/uL	0.00
5) Phenol-d5	6.73	99	226435	29.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	141273	30.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	186664	31.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	188067	28.10	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	93939	33.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	109065	37.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	174011	28.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	127315	21.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	586205	34.54	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	738858	35.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	56637	24.17	ng/ul	-0.01
57) Fluorene-d10	15.18	176	465034	30.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	20041	8.16	ng/ul	0.00
70) Anthracene-d10	17.04	188	660657	33.46	ng/ul	0.00
76) Pyrene-d10	19.36	212	657417	34.70	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.21	264	582629	33.22	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	3890	1.247	ng/ul#	79
6) Phenol	6.76	94	17118	2.132	ng/ul#	80
16) 4-Methylphenol	8.30	108	40736	6.088	ng/ul	90
28) Naphthalene	10.33	128	91265	4.685	ng/ul	97
30) 4-Chloroaniline	10.34	127	12706	2.104	ng/ul#	22
34) 2-Methylnaphthalene	11.96	142	43161	2.911	ng/ul	95
44) Dimethylphthalate	13.65	163	101837	6.084	ng/ul	99
47) Acenaphthylene	13.90	152	60853	3.076	ng/ul	96
49) Acenaphthene	14.24	153	70159	5.036	ng/ul	100
53) Dibenzofuran	14.59	168	58680	2.809	ng/ul#	86
58) Fluorene	15.24	166	78789	4.369	ng/ul#	98
69) Phenanthrene	16.99	178	1564461	66.351	ng/ul	98
71) Anthracene	17.07	178	288010	12.146	ng/ul	97
72) Carbazole	17.36	167	92121	4.620	ng/ul#	91
73) Di-n-butylphthalate	17.92	149	31059	1.207	ng/ul	97
74) Fluoranthene	19.02	202	1980502	70.305	ng/ul#	95
77) Pyrene	19.39	202	2227548	91.251	ng/ul#	95
80) Benzo(a)anthracene	21.15	228	1075324	46.907	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	23882	1.652	ng/ul#	92
82) Chrysene	21.20	228	1053419	49.258	ng/ul	98
85) Benzo(b)fluoranthene	22.70	252	1233966	51.140	ng/ul#	98
86) Benzo(k)fluoranthene	22.70	252	1233966	53.788	ng/ul#	97
88) Benzo(a)pyrene	23.26	252	925721	42.933	ng/ul#	97

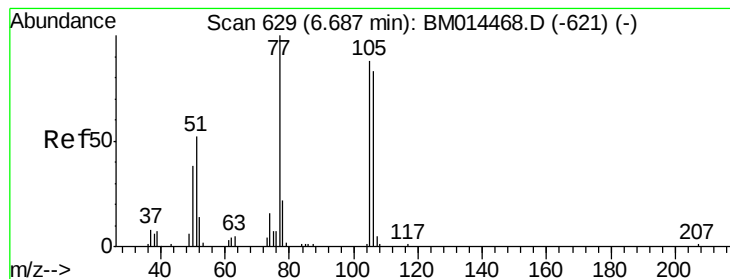
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:00:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.54	276	561878	26.854	ng/ul	100
90) Dibenzo(a,h)anthracene	25.54	278	167242	9.620	ng/ul#	87
91) Benzo(g,h,i)perylene	26.21	276	475861	28.075	ng/ul	93

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



#4

Benzaldehyde

Concen: 1.247 ng/ul

RT: 6.69 min Scan# 629

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

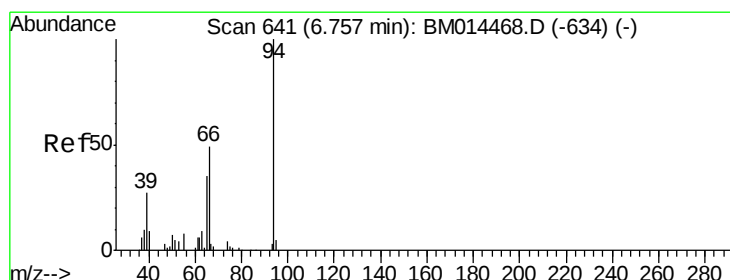
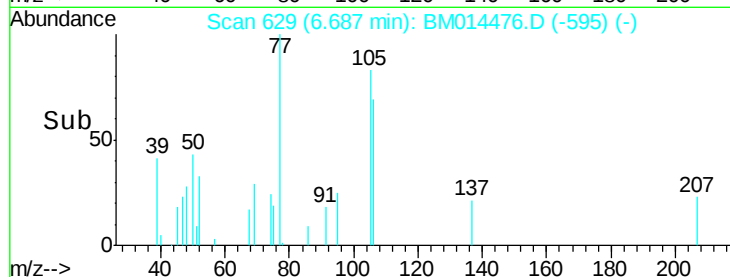
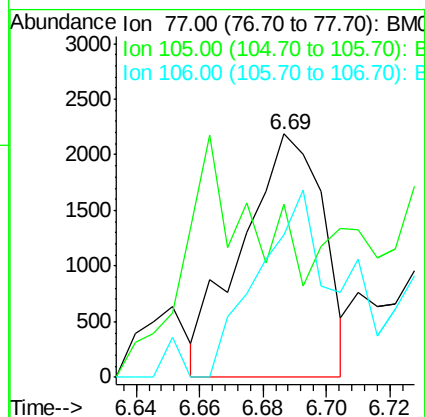
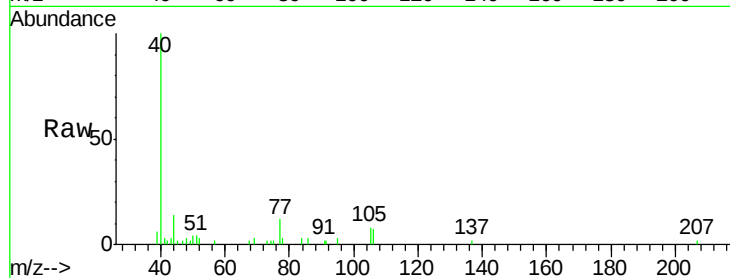
Tot Ion: 77 Resp: 3890

Ion Ratio Lower Upper

77 100

105 71.2 66.1 99.1

106 58.7 67.8 101.6#



#6

Phenol

Concen: 2.132 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

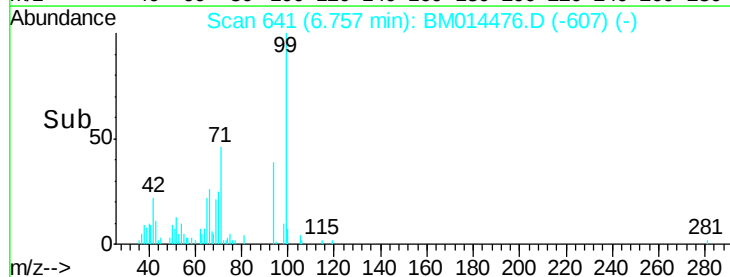
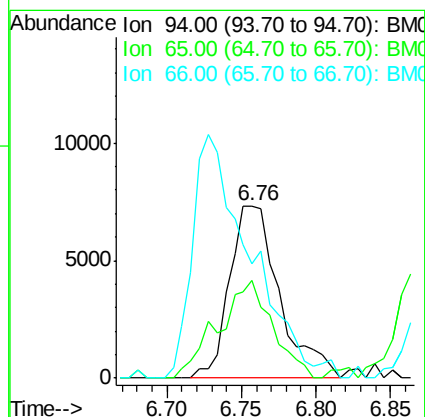
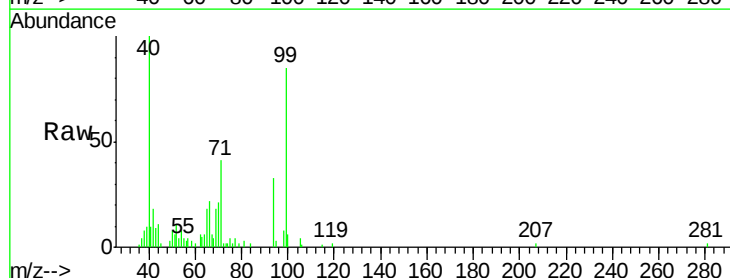
Tgt Ion: 94 Resp: 17118

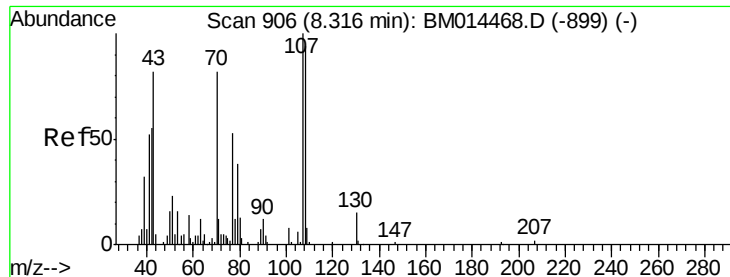
Ion Ratio Lower Upper

94 100

65 56.7 28.2 42.4#

66 66.3 47.2 70.8





#16

4-Methylphenol

Concen: 6.088 ng/ul

RT: 8.30 min Scan# 904

Delta R.T. -0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

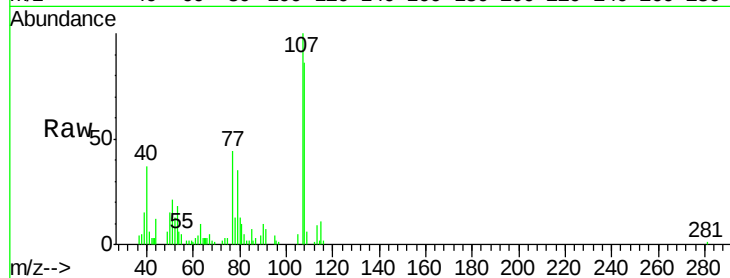
ClientSampleId :

Tot Ion:108 Resp: 40736

Ion Ratio Lower Upper

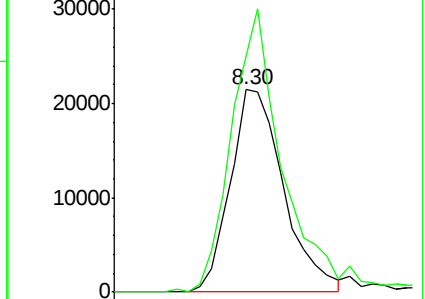
108 100

107 116.6 84.9 127.3

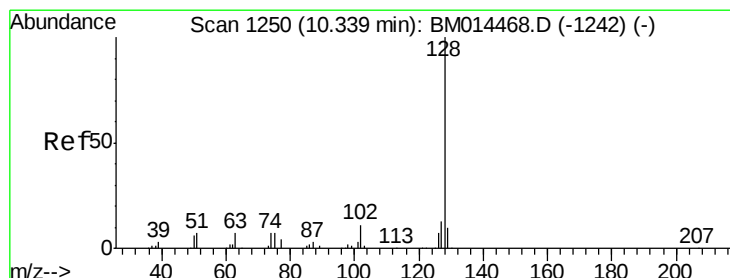
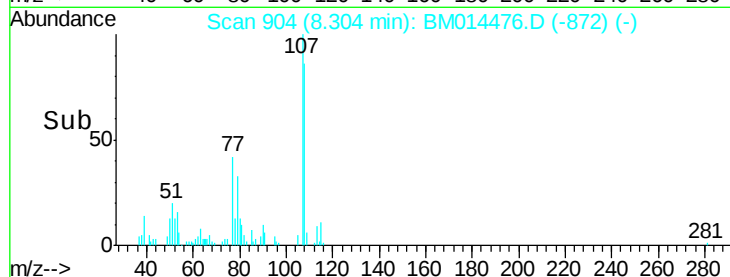


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



Time-->



#28

Naphthalene

Concen: 4.685 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

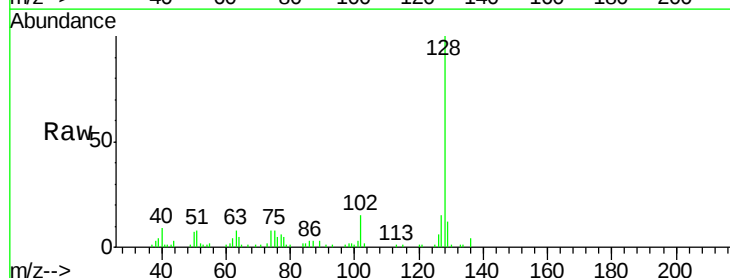
Tgt Ion:128 Resp: 91265

Ion Ratio Lower Upper

128 100

129 12.2 8.8 13.2

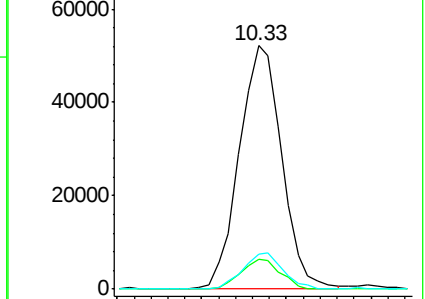
127 14.6 10.6 16.0



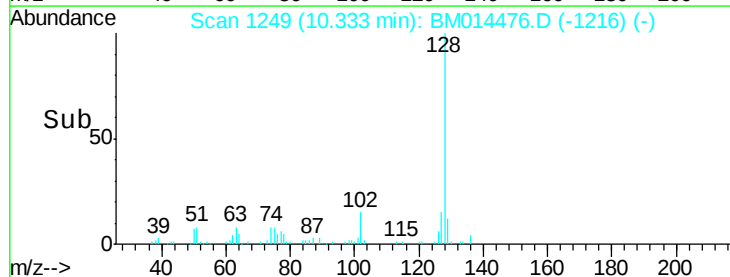
Abundance Ion 128.00 (127.70 to 128.70): E

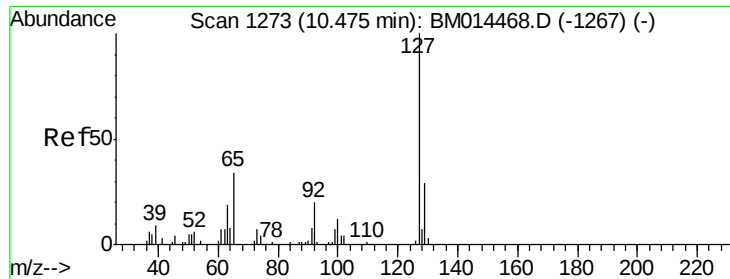
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->

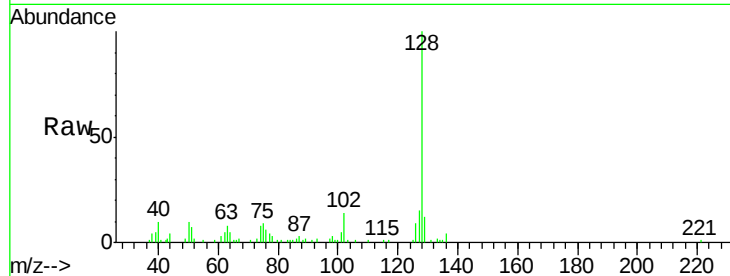




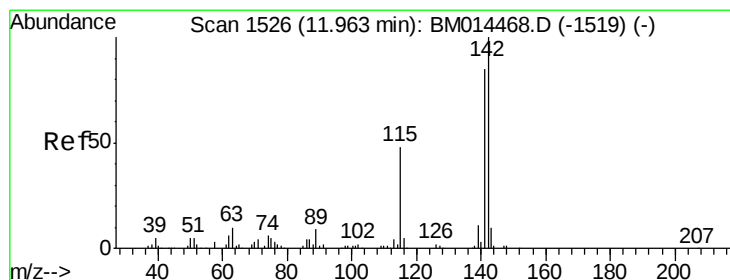
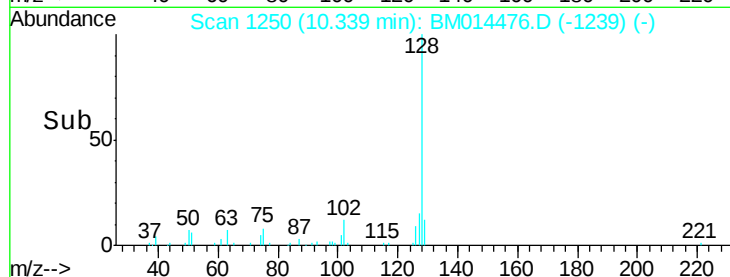
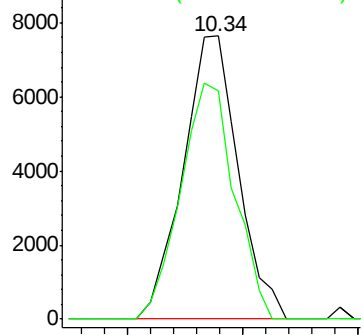
#30
4-Chloroaniline
Concen: 2.104 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. -0.14 min
Lab File: BM014476.D
Acq: 05 Mar 2018 17:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion:127 Resp: 12706
Ion Ratio Lower Upper
127 100
129 80.8 28.4 42.6#

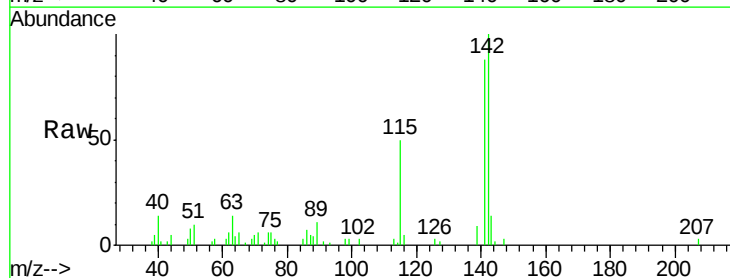


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

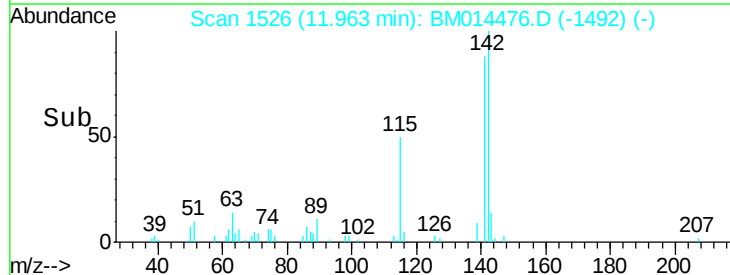
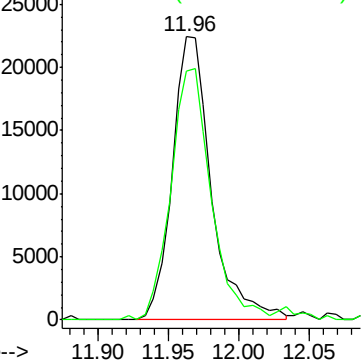


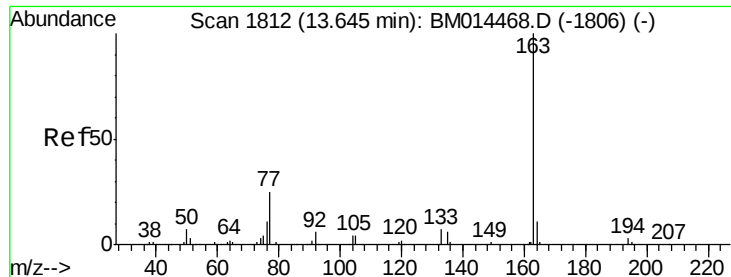
#34
2-Methylnaphthalene
Concen: 2.911 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BM014476.D
Acq: 05 Mar 2018 17:00

Tgt Ion:142 Resp: 43161
Ion Ratio Lower Upper
142 100
141 87.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

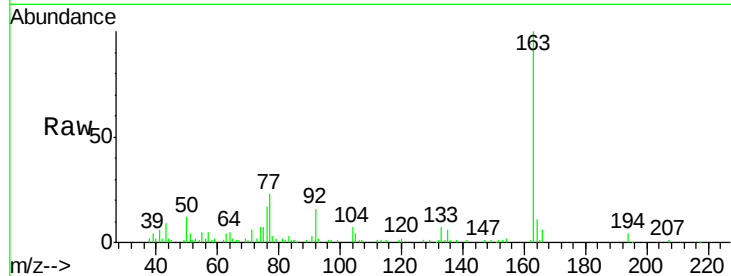




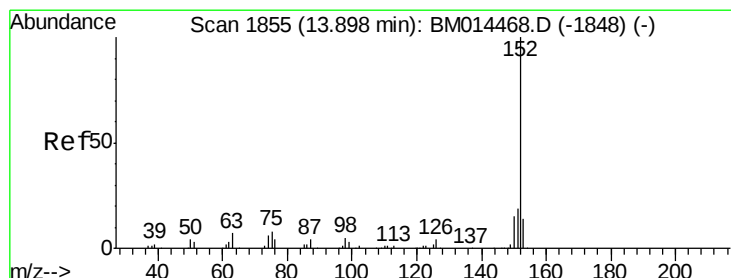
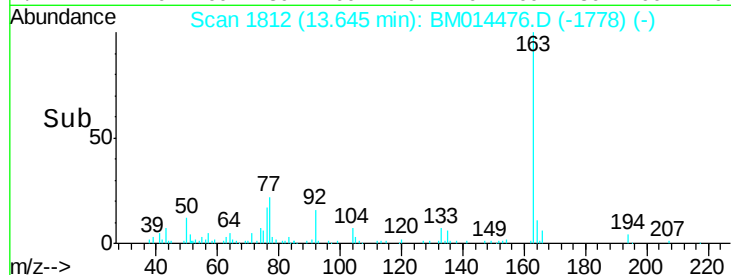
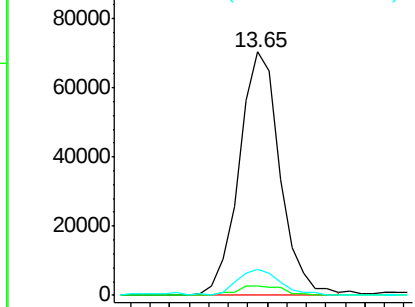
#44
Dimethylphthalate
Concen: 6.084 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014476.D
Acq: 05 Mar 2018 17:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 101837
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.9 8.2 12.4

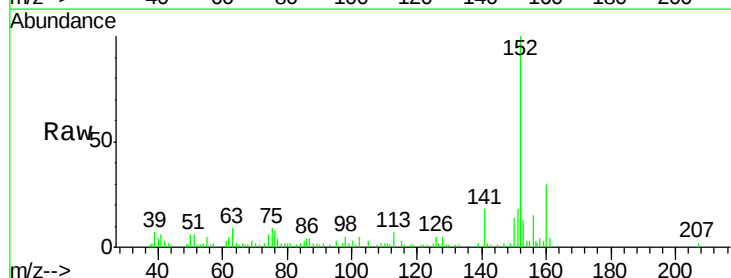


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

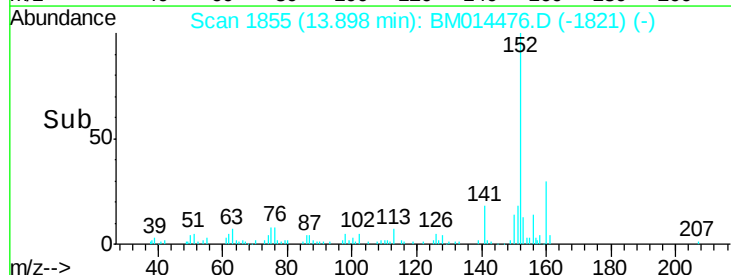
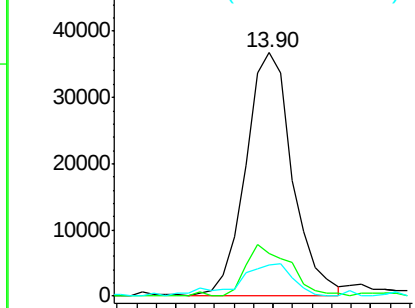


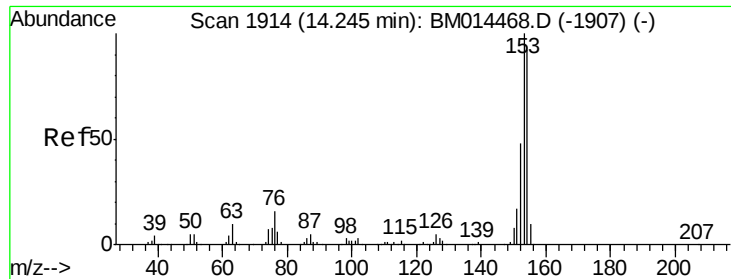
#47
Acenaphthylene
Concen: 3.076 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BM014476.D
Acq: 05 Mar 2018 17:00

Tgt Ion:152 Resp: 60853
Ion Ratio Lower Upper
152 100
151 17.7 16.3 24.5
153 13.0 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: 5.036 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

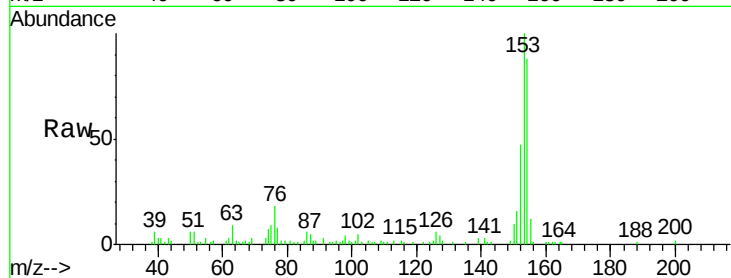
Tot Ion:153 Resp: 70159

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

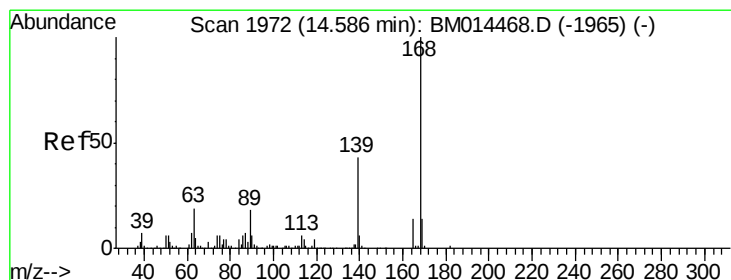
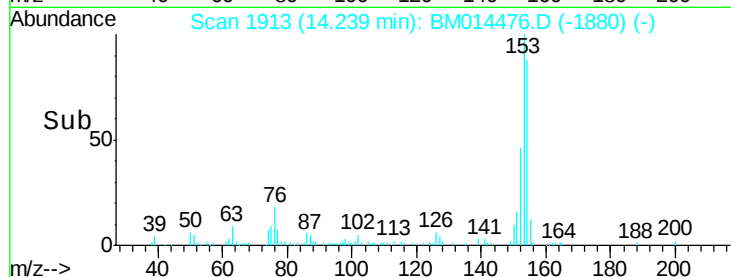
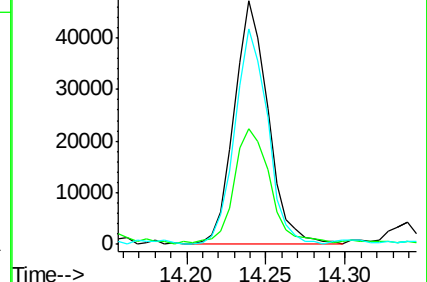
154 88.2 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.809 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BM014476.D

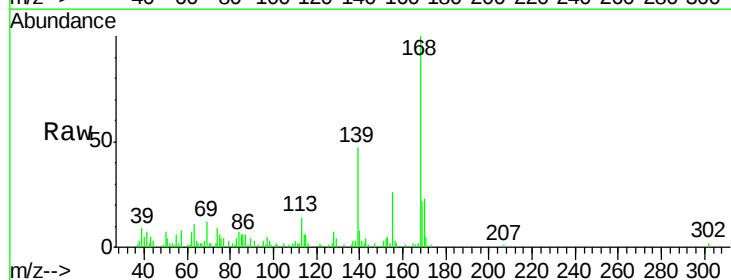
Acq: 05 Mar 2018 17:00

Tgt Ion:168 Resp: 58680

Ion Ratio Lower Upper

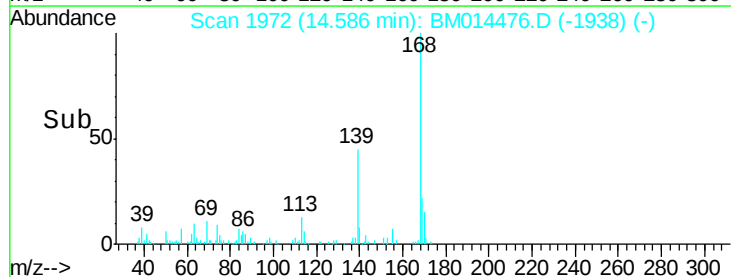
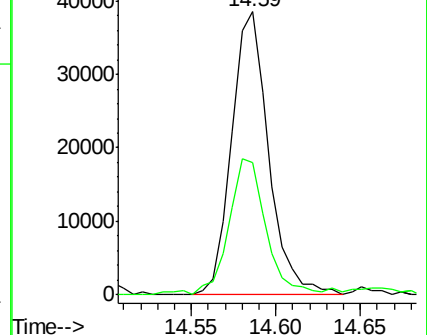
168 100

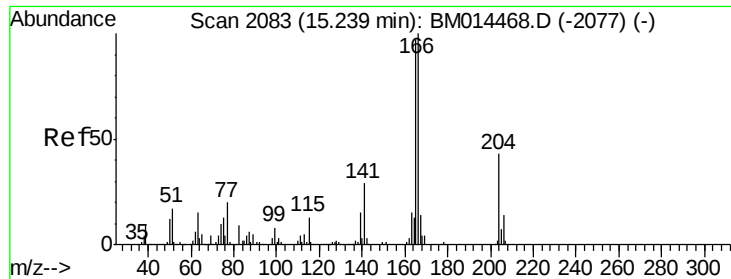
139 46.9 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.369 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

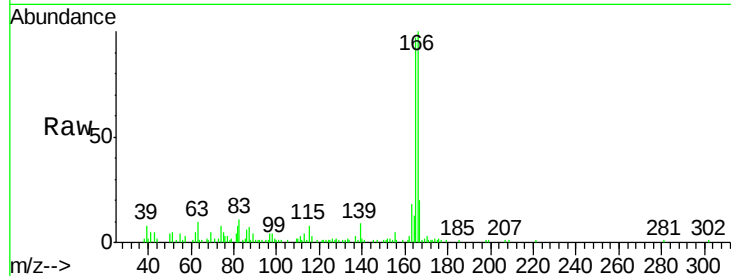
Tot Ion:166 Resp: 78789

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

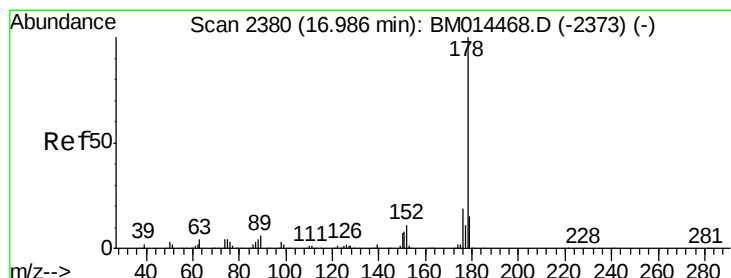
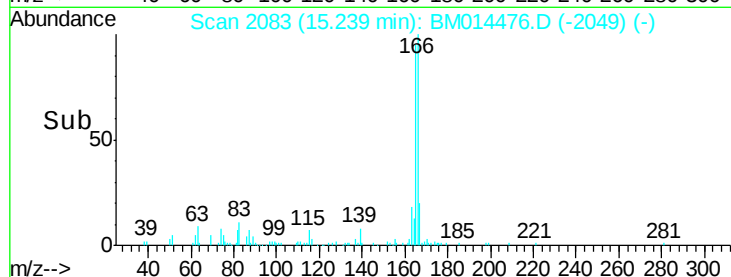
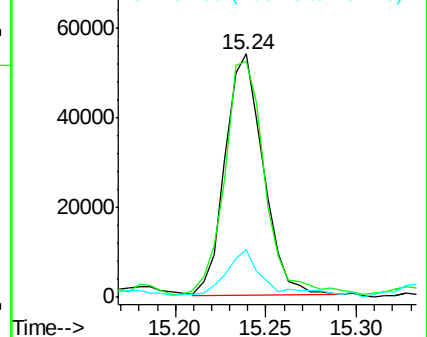
167 19.7 10.6 16.0#



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



#69

Phenanthrene

Concen: 66.351 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

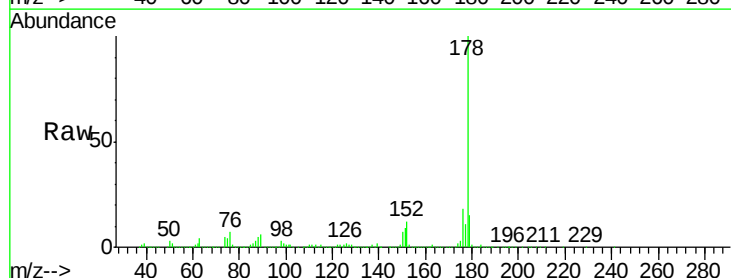
Tgt Ion:178 Resp: 1564461

Ion Ratio Lower Upper

178 100

179 14.5 12.6 19.0

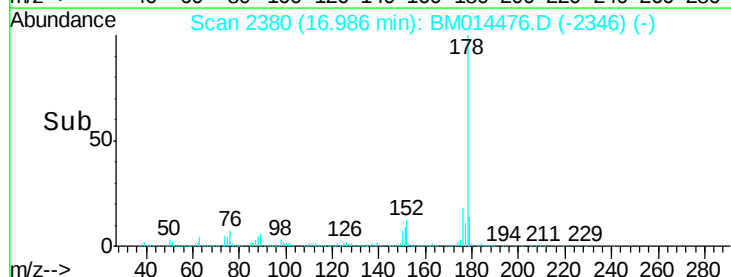
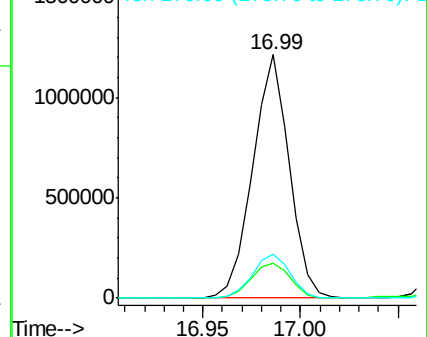
176 18.1 14.9 22.3

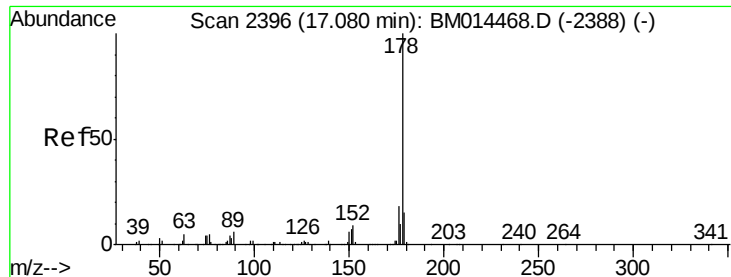


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

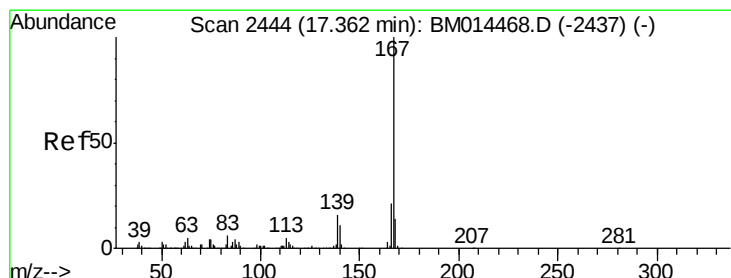
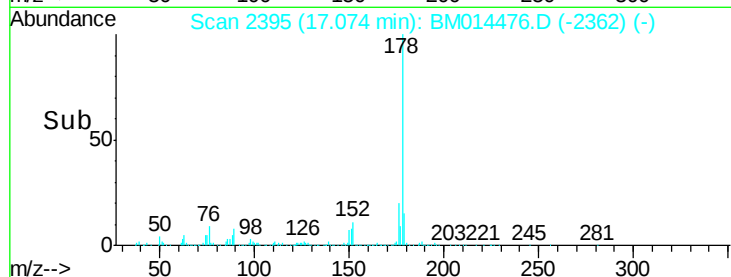
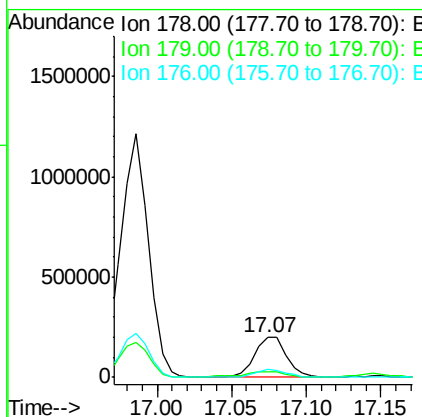
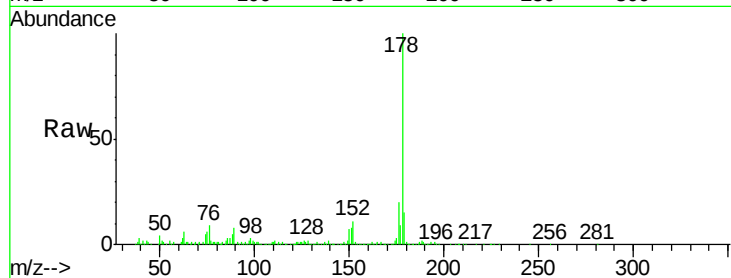




#71
 Anthracene
 Concen: 12.146 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.01 min
 Lab File: BM014476.D
 Acq: 05 Mar 2018 17:00

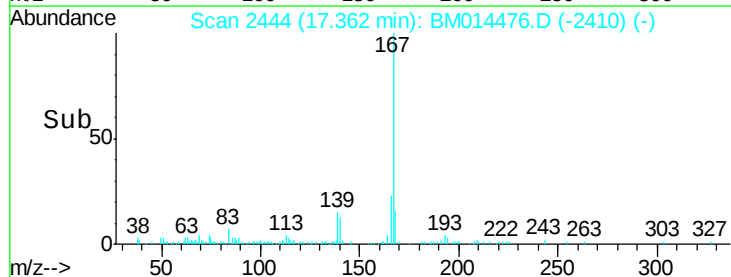
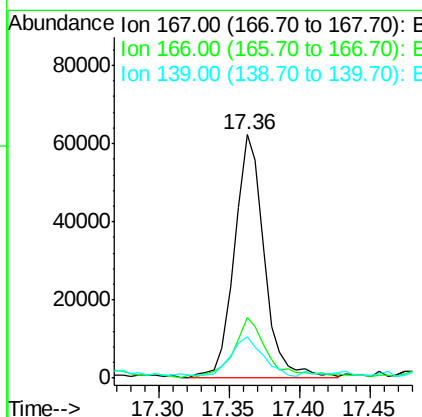
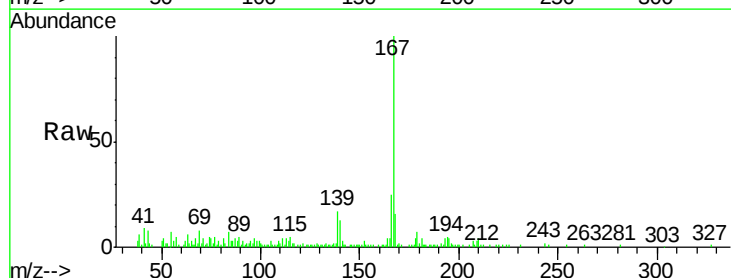
Instrument :
 BNA_M
 ClientSampleId :

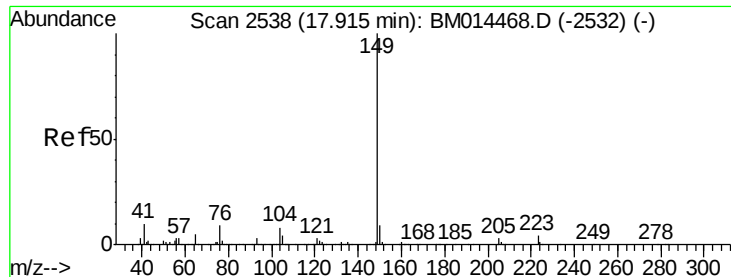
Tot Ion:178 Resp: 288010
 Ion Ratio Lower Upper
 178 100
 179 15.0 11.7 17.5
 176 20.3 14.6 21.8



#72
 Carbazole
 Concen: 4.620 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BM014476.D
 Acq: 05 Mar 2018 17:00

Tgt Ion:167 Resp: 92121
 Ion Ratio Lower Upper
 167 100
 166 25.0 17.1 25.7
 139 16.7 10.0 15.0#





#73

Di-n-butylphthalate

Concen: 1.207 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

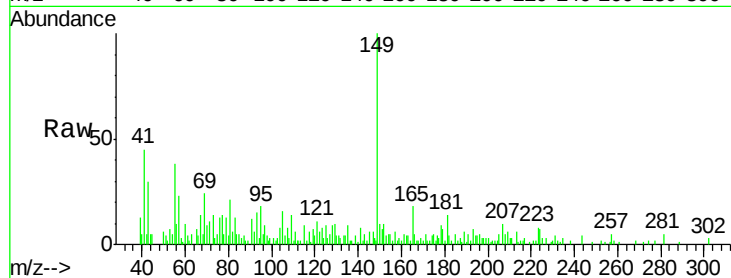
Tot Ion:149 Resp: 31059

Ion Ratio Lower Upper

149 100

150 10.3 7.1 10.7

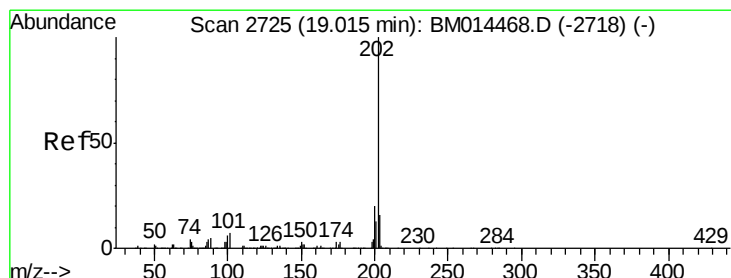
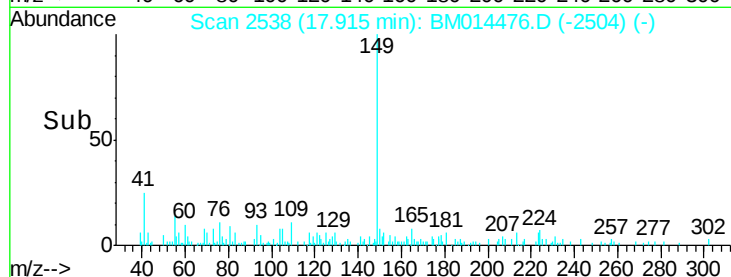
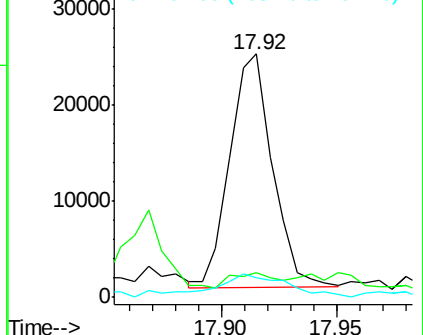
104 8.0 5.6 8.4



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: 70.305 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

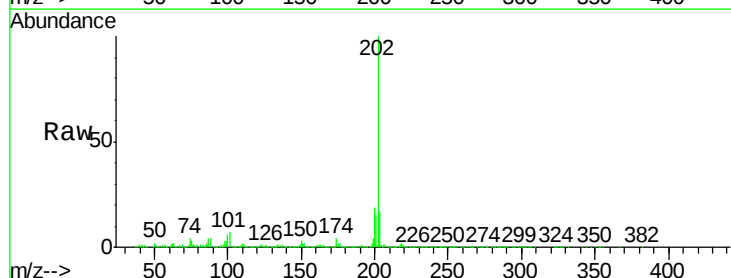
Tgt Ion:202 Resp: 1980502

Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

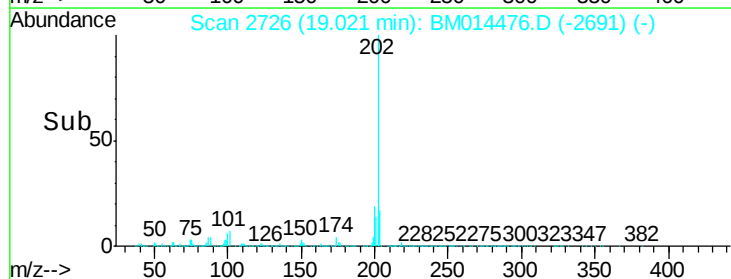
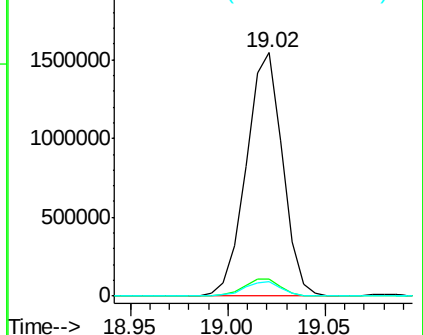
100 6.1 3.4 5.2#

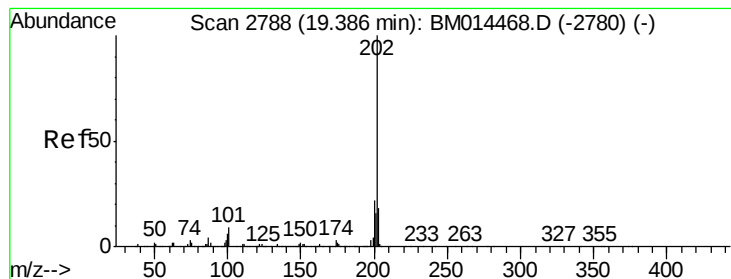


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 91.251 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

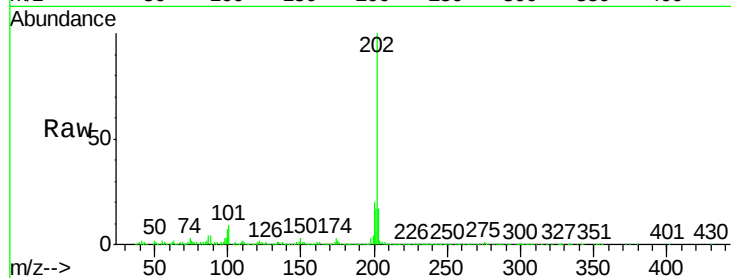
Tot Ion:202 Resp: 2227548

Ion Ratio Lower Upper

202 100

101 8.7 5.1 7.7#

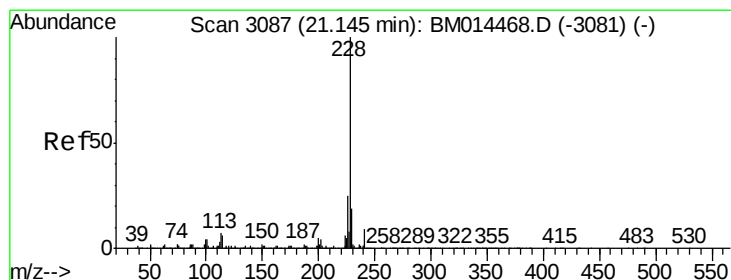
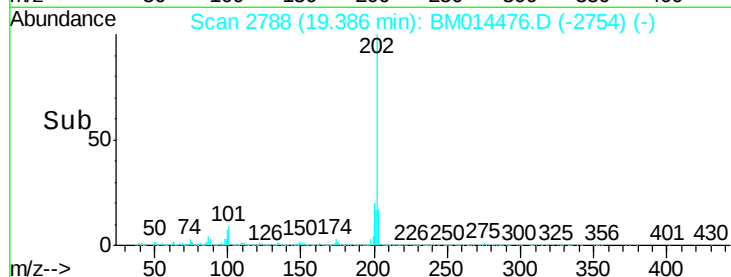
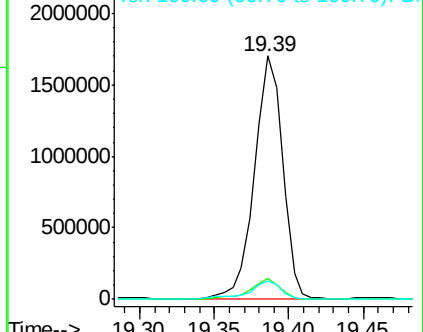
100 7.4 4.9 7.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 46.907 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

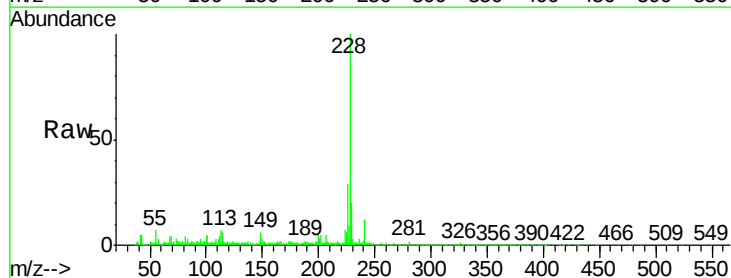
Tgt Ion:228 Resp: 1075324

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

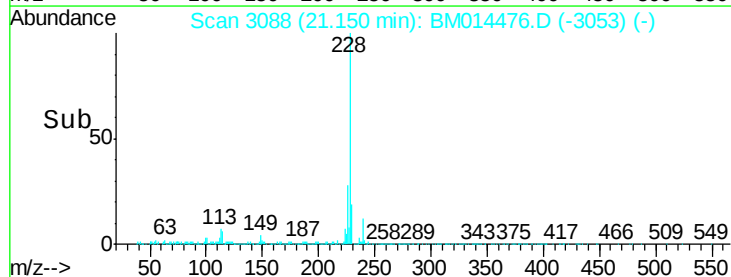
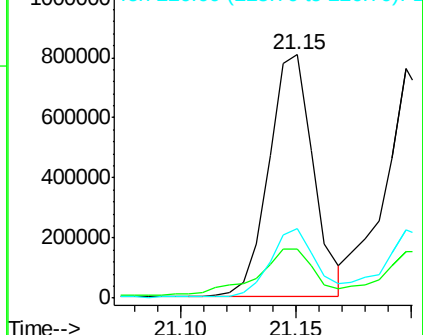
226 28.8 21.4 32.0

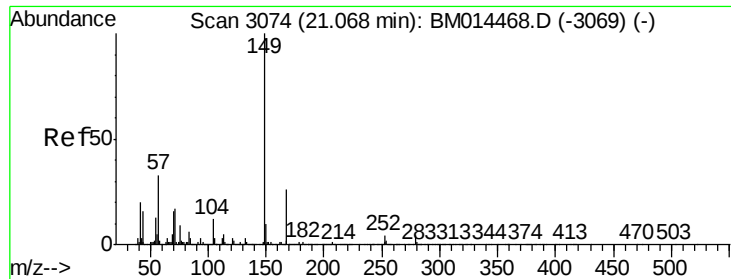


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.652 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

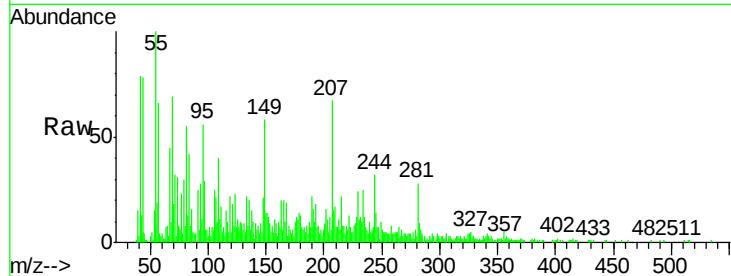
Tot Ion:149 Resp: 23882

Ion Ratio Lower Upper

149 100

167 32.5 22.8 34.2

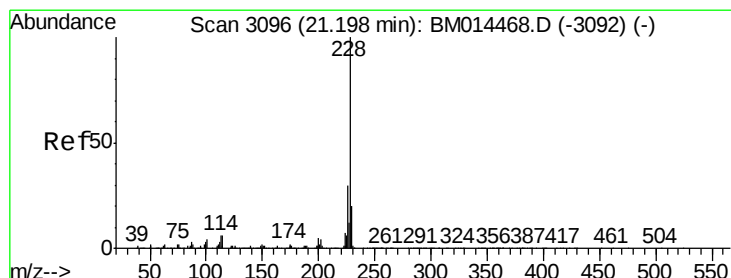
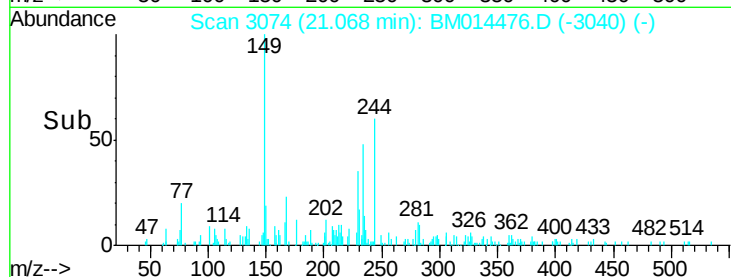
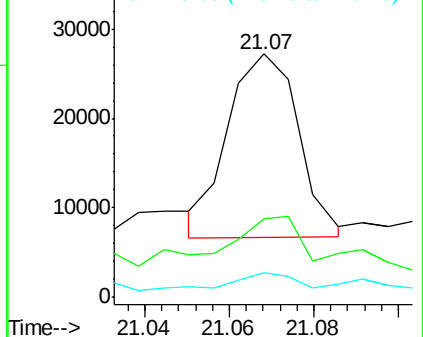
279 10.4 4.9 7.3#



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: 49.258 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

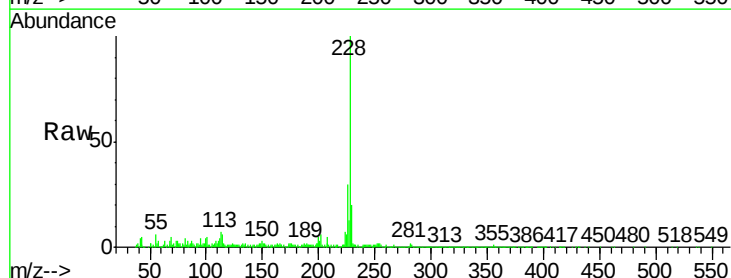
Tgt Ion:228 Resp: 1053419

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

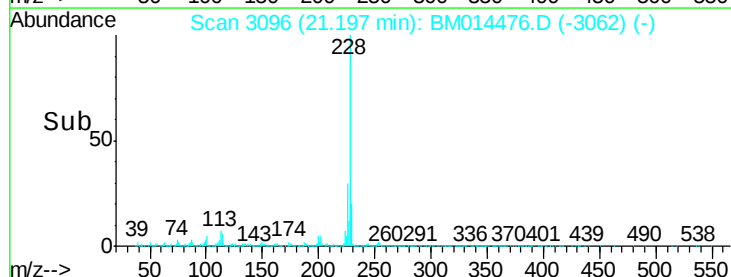
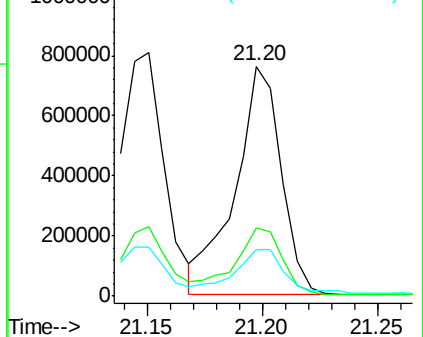
229 20.5 15.5 23.3

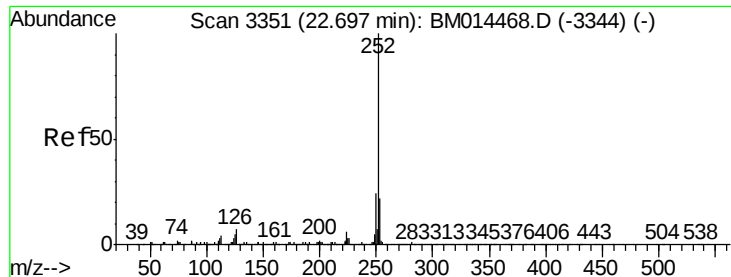


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 51.140 ng/u1

RT: 22.70 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

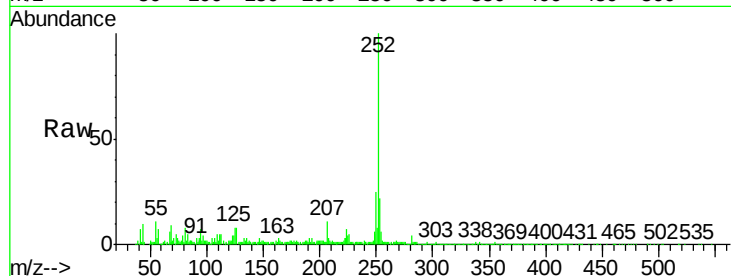
Tot Ion:252 Resp: 1233966

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

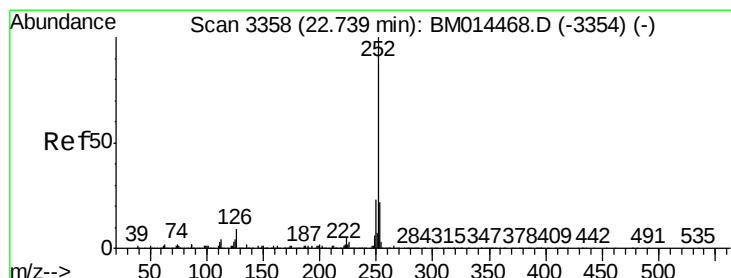
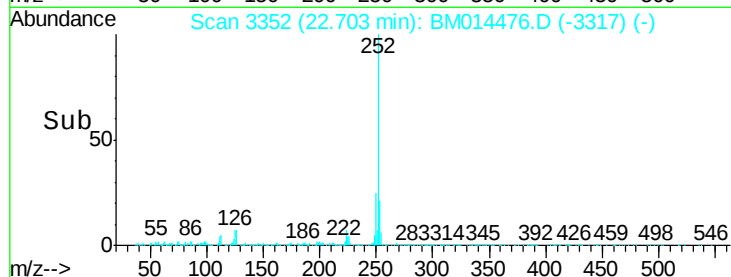
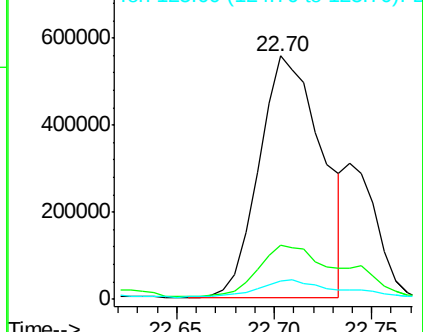
125 7.6 3.6 5.4#



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: 53.788 ng/u1

RT: 22.70 min Scan# 3352

Delta R.T. -0.04 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

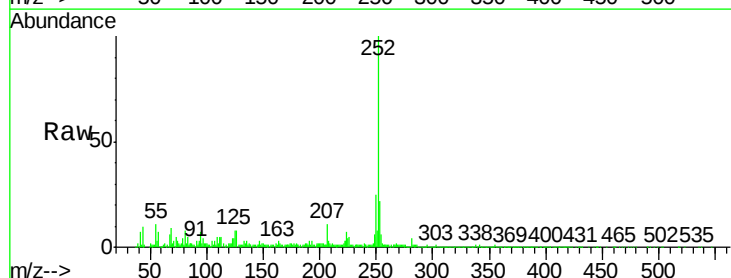
Tgt Ion:252 Resp: 1233966

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

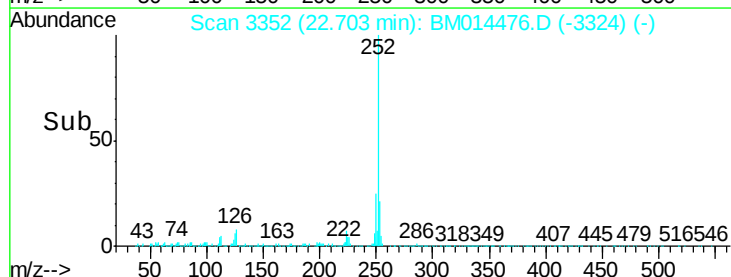
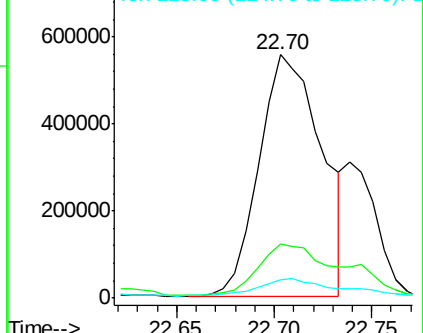
125 7.6 3.4 5.2#

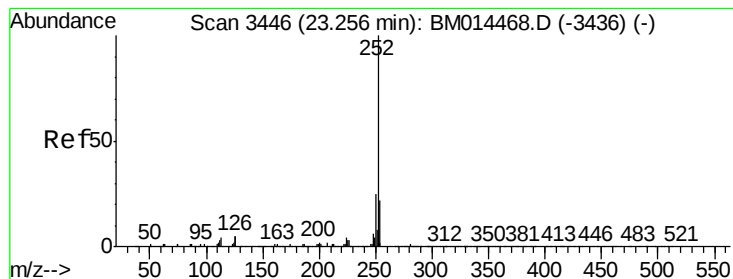


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 42.933 ng/ul

RT: 23.26 min Scan# 3447

Delta R.T. 0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

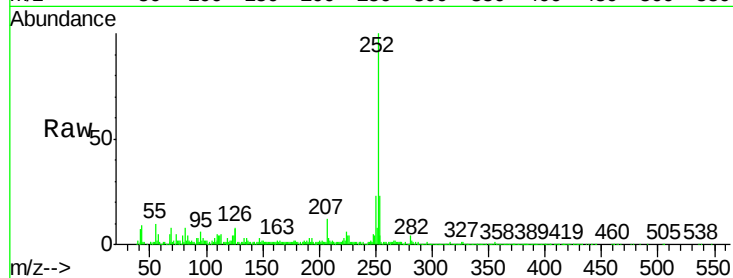
Tot Ion:252 Resp: 925721

Ion Ratio Lower Upper

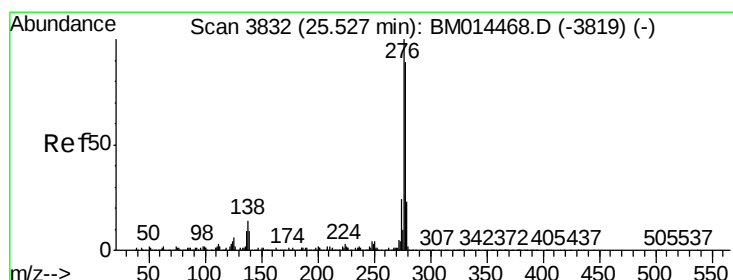
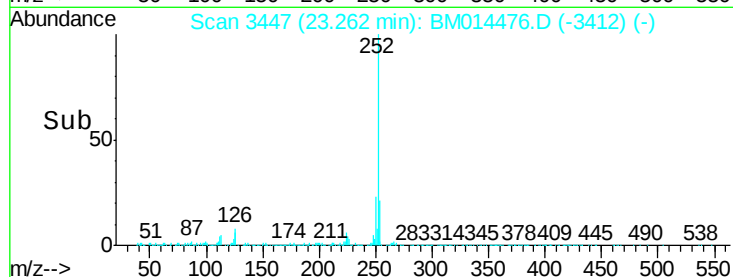
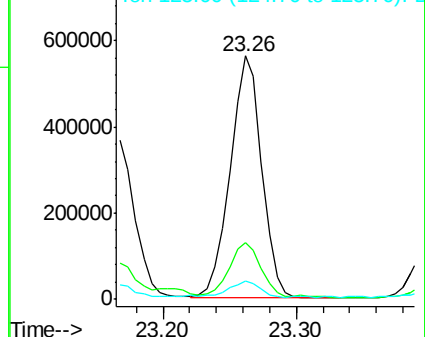
252 100

253 23.5 18.2 27.2

125 7.4 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: 26.854 ng/ul

RT: 25.54 min Scan# 3834

Delta R.T. 0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

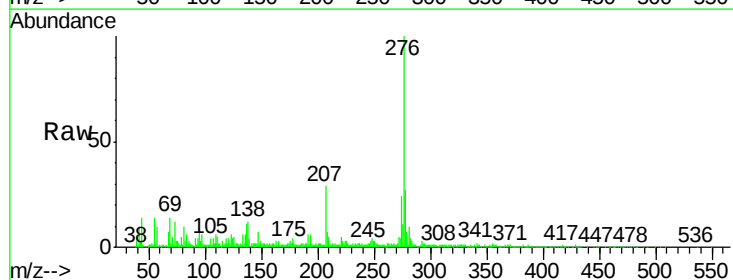
Tgt Ion:276 Resp: 561878

Ion Ratio Lower Upper

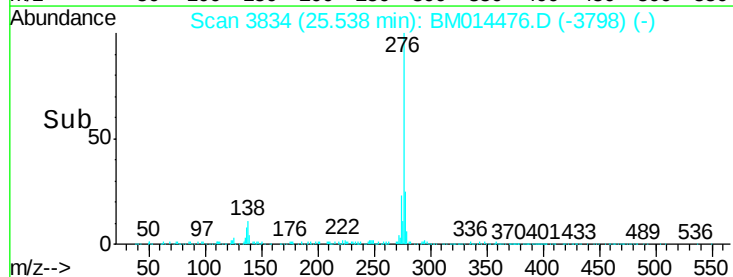
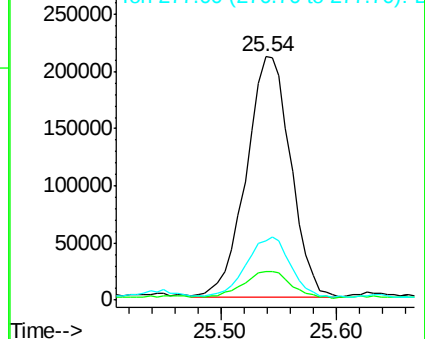
276 100

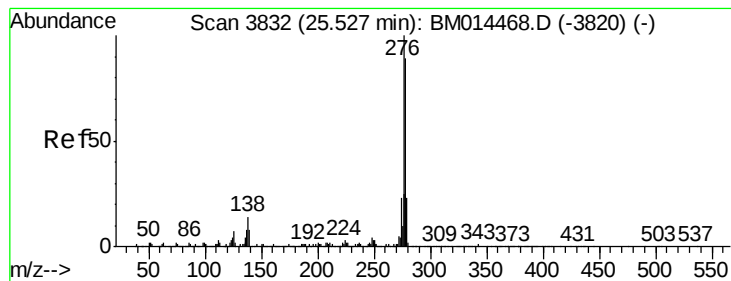
138 11.6 9.3 13.9

277 24.6 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: 9.620 ng/ul

RT: 25.54 min Scan# 3834

Delta R.T. 0.01 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

Instrument :

BNA_M

ClientSampleId :

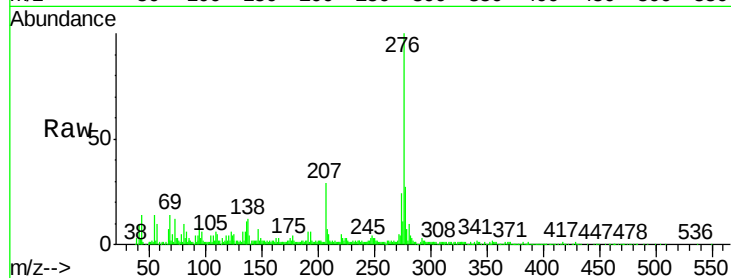
Tot Ion:278 Resp: 167242

Ion Ratio Lower Upper

278 100

139 15.6 5.8 8.8#

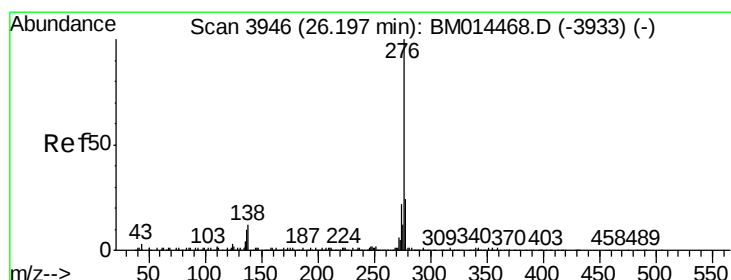
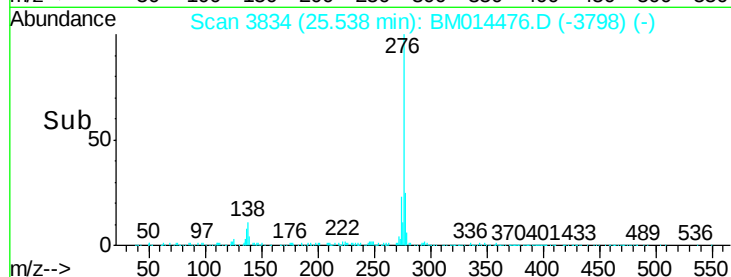
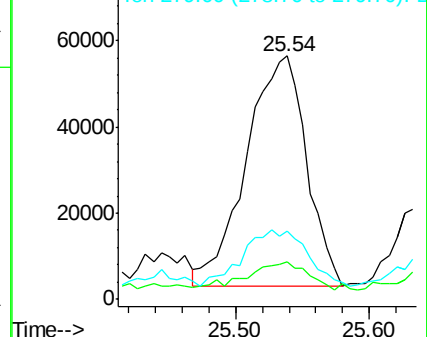
279 27.8 18.6 27.8



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(g,h,i)perylene

Concen: 28.075 ng/ul

RT: 26.21 min Scan# 3949

Delta R.T. 0.02 min

Lab File: BM014476.D

Acq: 05 Mar 2018 17:00

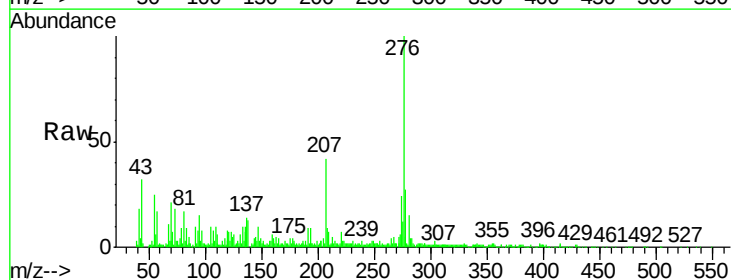
Tgt Ion:276 Resp: 475861

Ion Ratio Lower Upper

276 100

138 12.5 8.5 12.7

277 27.2 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

