

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013992.D
 Acq On : 30 Jan 2018 11:54
 Operator : SJ/JU
 Sample : J1243-08DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 13:15:00 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 07:49:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	98265	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	400674	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	253709	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	626927	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	807473	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	790092	20.00	ng/ul	0.00

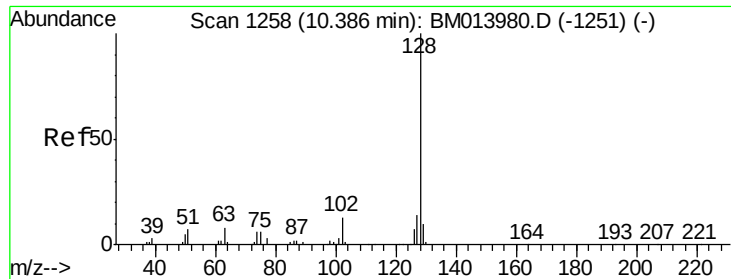
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	1917	0.77	ng/uL	0.01
5) Phenol-d5	6.76	99	28425	3.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	19778	4.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	28769	4.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	29892	5.15	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	14731	4.74	ng/ul	0.01
22) 2-Nitrophenol-d4	9.46	143	15329	4.67	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.00	165	31141	4.91	ng/ul	0.02
29) 4-Chloroaniline-d4	10.51	131	29488	5.36	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	124314	5.95	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	151355	5.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	114	0.03	ng/ul	0.00
57) Fluorene-d10	15.22	176	115119	6.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	12897	3.42	ng/ul	0.01
70) Anthracene-d10	17.07	188	183922	6.02	ng/ul	0.00
76) Pyrene-d10	19.38	212	242038	6.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	786264	21.65	ng/ul	0.14

Target Compounds

					Ovalue	
28) Naphthalene	10.39	128	211554	10.613	ng/ul	99
30) 4-Chloroaniline	10.39	127	27499	5.037	ng/ul#	23
34) 2-Methylnaphthalene	12.02	142	137166	9.230	ng/ul	100
44) Dimethylphthalate	13.69	163	24308	1.182	ng/ul	98
49) Acenaphthene	14.29	153	86956	5.146	ng/ul	98
53) Dibenzofuran	14.63	168	323971	12.745	ng/ul	97
58) Fluorene	15.28	166	87677	4.211	ng/ul#	98
67) Atrazine	16.63	200	14904	2.025	ng/ul#	39
68) Pentachlorophenol	16.64	266	102446	24.188	ng/ul	94
69) Phenanthrene	17.02	178	1528318	43.856	ng/ul	99
71) Anthracene	17.02	178	1528318	42.519	ng/ul	99
72) Carbazole	17.39	167	105623	3.560	ng/ul#	97
74) Fluoranthene	19.04	202	1327662	31.917	ng/ul#	96
77) Pyrene	19.41	202	976377	19.890	ng/ul	97
80) Benzo(a)anthracene	21.17	228	170148	3.487	ng/ul	99
82) Chrysene	21.22	228	144400	3.226	ng/ul	99
85) Benzo(b)fluoranthene	22.71	252	101533	2.093	ng/ul#	95
86) Benzo(k)fluoranthene	22.71	252	101533	2.165	ng/ul#	93
88) Benzo(a)pyrene	23.27	252	46337	1.011	ng/ul	94

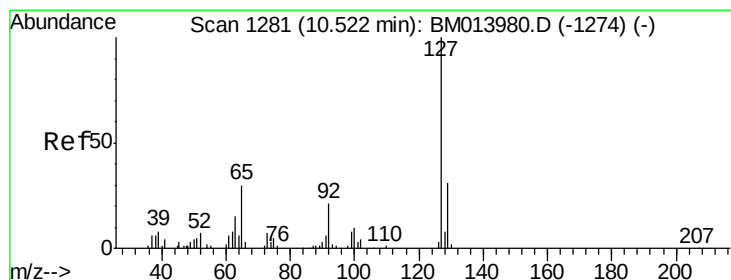
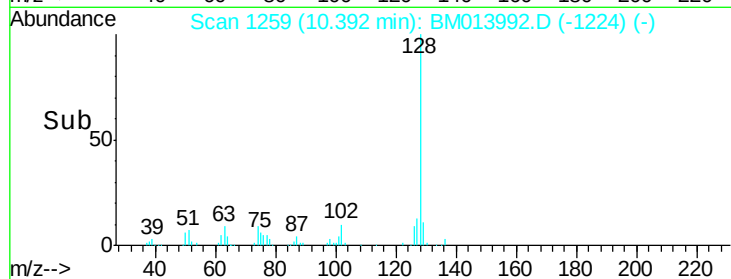
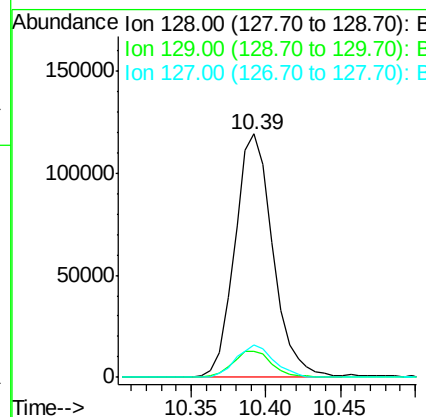
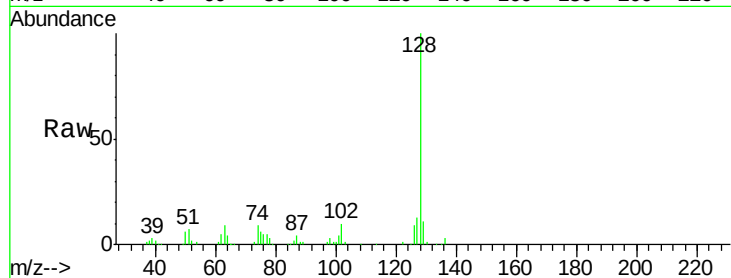
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28
Naphthalene
Concen: 10.613 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

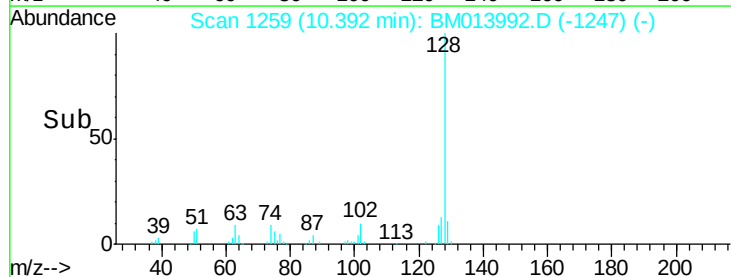
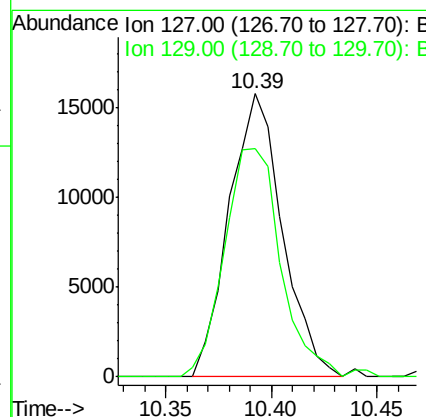
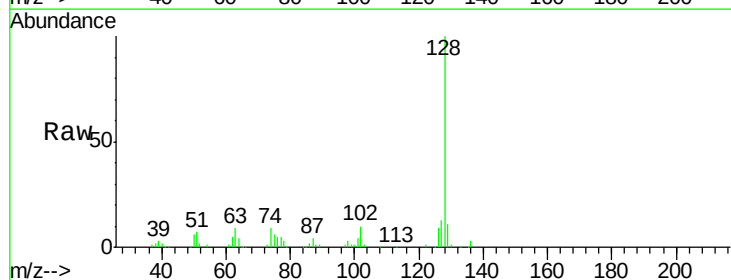
Instrument :
BNA_M
ClientSampleId :

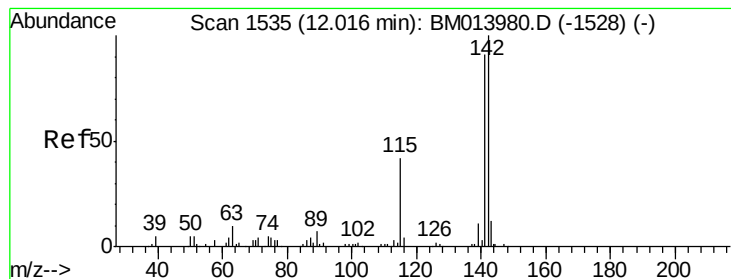
Tot Ion:128 Resp: 211554
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.2 10.6 16.0



#30
4-Chloroaniline
Concen: 5.037 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. -0.13 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Tgt Ion:127 Resp: 27499
Ion Ratio Lower Upper
127 100
129 80.8 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 9.230 ng/ul

RT: 12.02 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

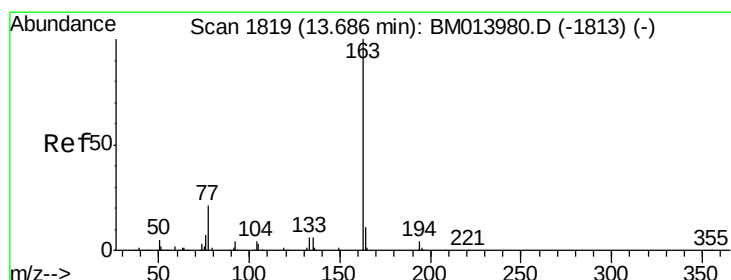
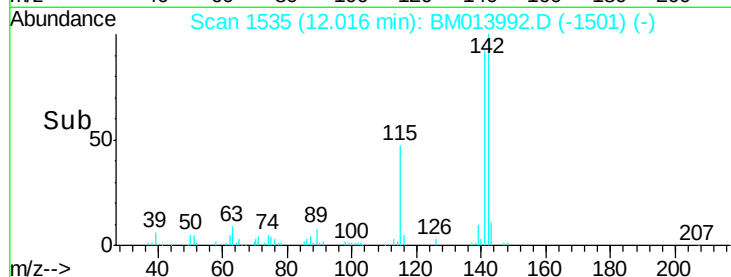
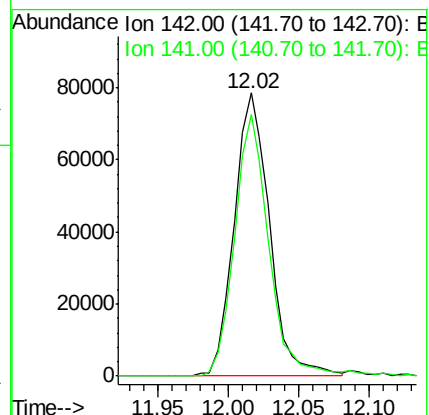
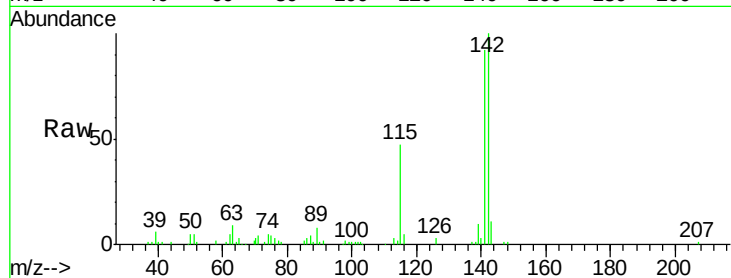
ClientSampleId :

Tot Ion:142 Resp: 137166

Ion Ratio Lower Upper

142 100

141 92.4 74.1 111.1



#44

Dimethylphthalate

Concen: 1.182 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

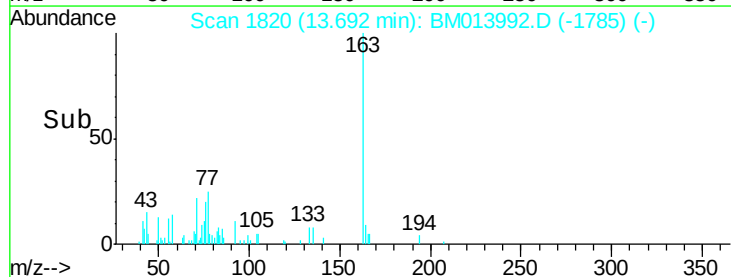
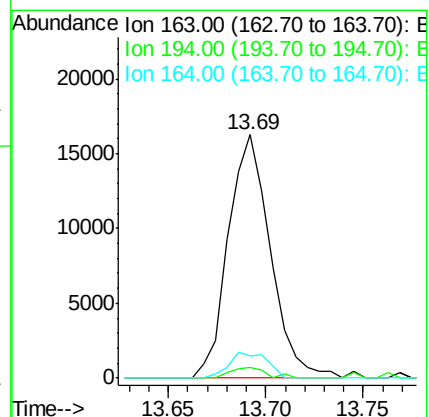
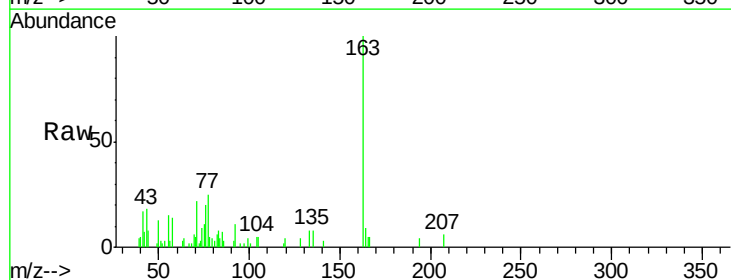
Tgt Ion:163 Resp: 24308

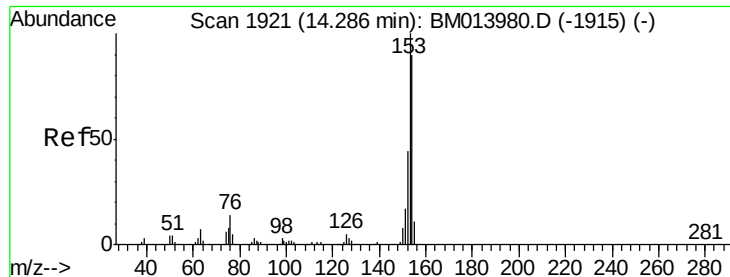
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 9.4 8.2 12.4





#49

Acenaphthene

Concen: 5.146 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

ClientSampleId :

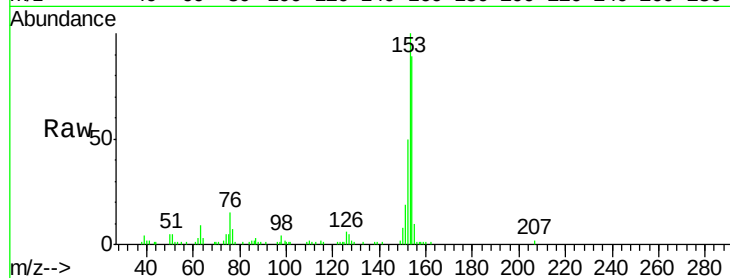
Tot Ion:153 Resp: 86956

Ion Ratio Lower Upper

153 100

152 50.5 37.6 56.4

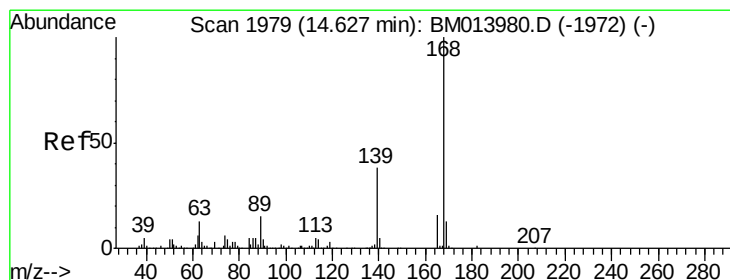
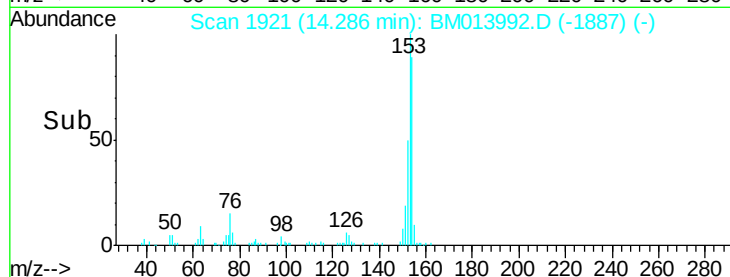
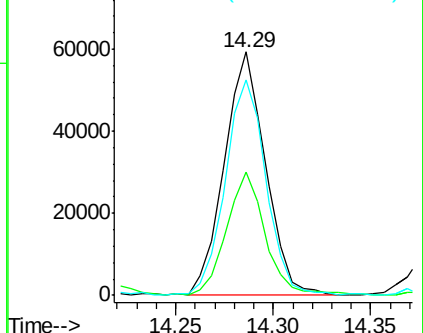
154 88.5 70.4 105.6



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: 12.745 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013992.D

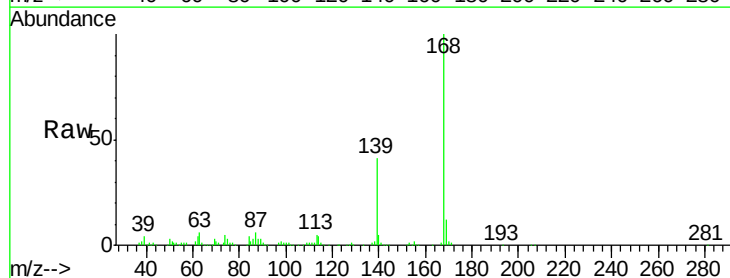
Acq: 30 Jan 2018 11:54

Tgt Ion:168 Resp: 323971

Ion Ratio Lower Upper

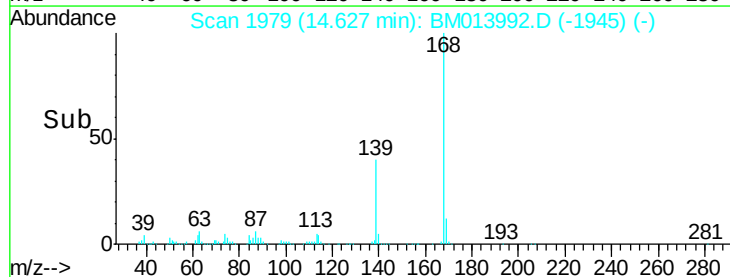
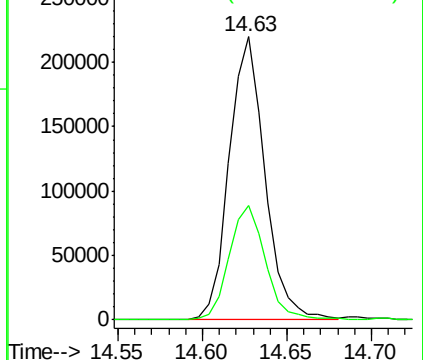
168 100

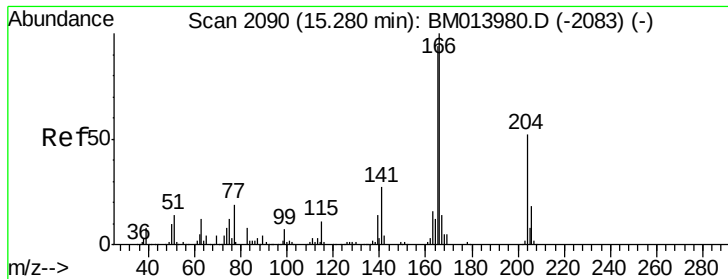
139 40.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.211 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

ClientSampleId :

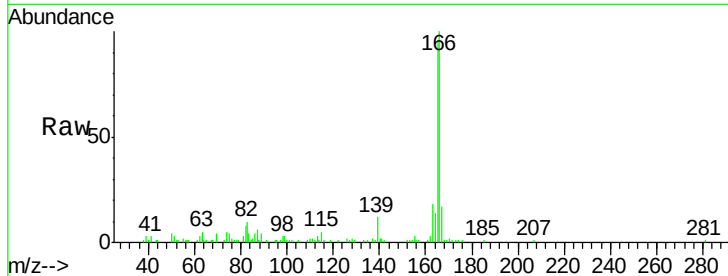
Tot Ion:166 Resp: 87677

Ion Ratio Lower Upper

166 100

165 96.3 77.9 116.9

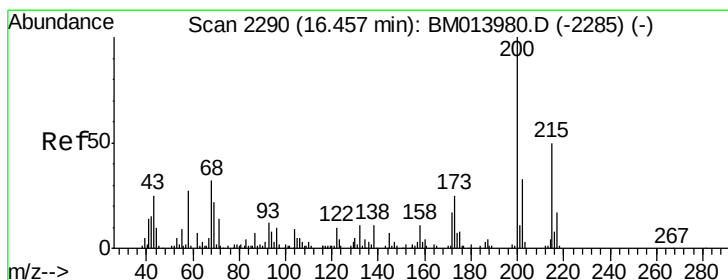
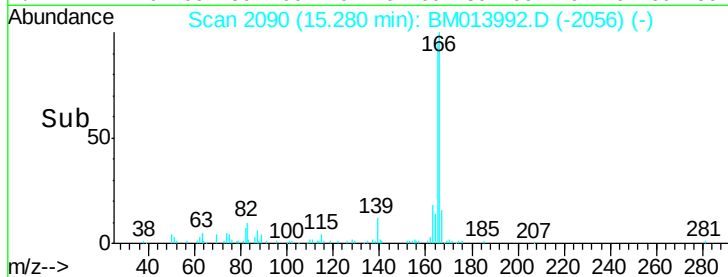
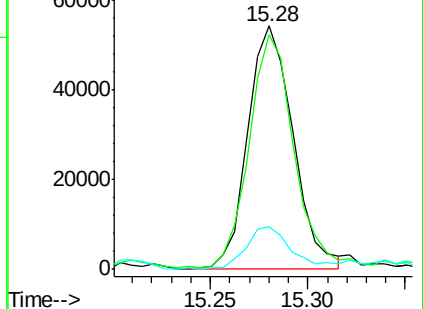
167 17.3 10.6 16.0#



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



#67

Atrazine

Concen: 2.025 ng/ul

RT: 16.63 min Scan# 2320

Delta R.T. 0.18 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

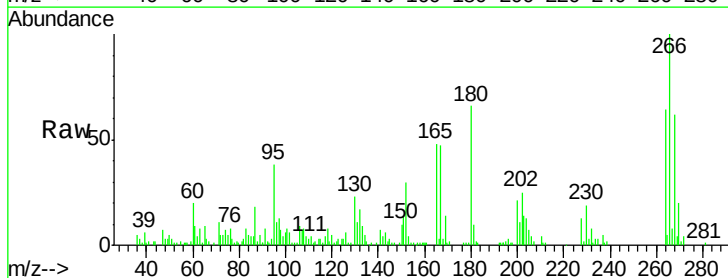
Tgt Ion:200 Resp: 14904

Ion Ratio Lower Upper

200 100

173 0.0 18.2 27.2#

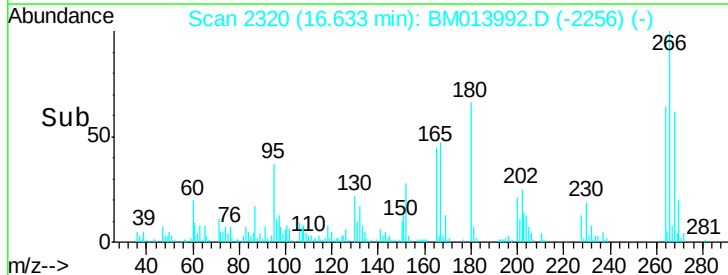
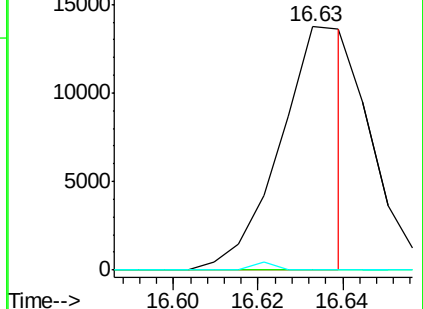
215 0.0 35.0 52.4#

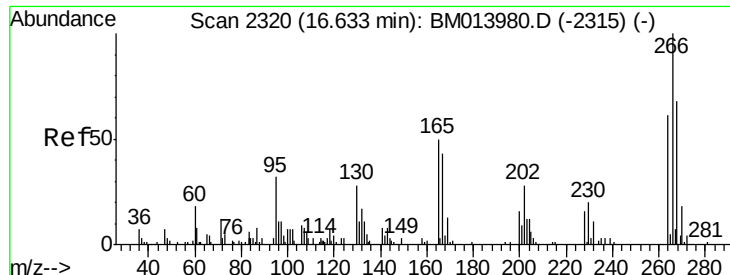


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

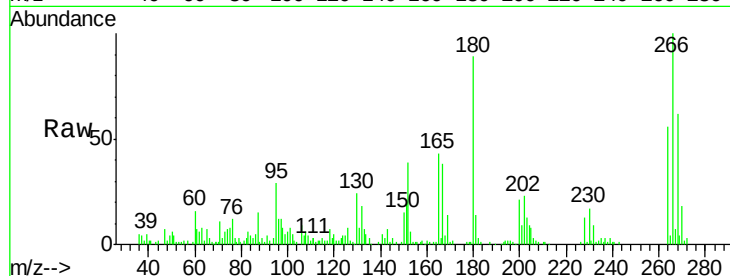




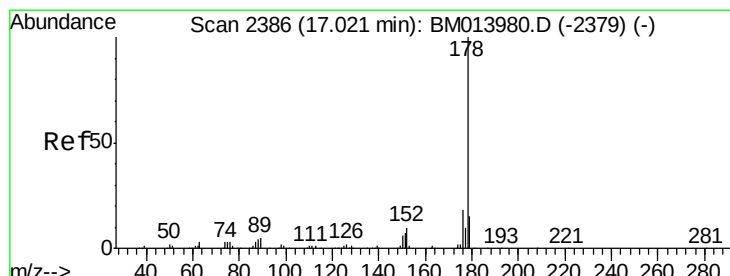
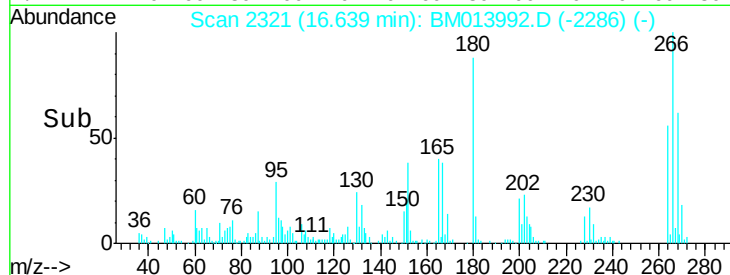
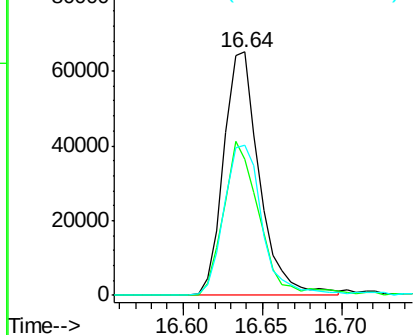
#68
 Pentachlorophenol
 Concen: 24.188 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BM013992.D
 Acq: 30 Jan 2018 11:54

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:266 Resp: 102446
 Ion Ratio Lower Upper
 266 100
 264 56.1 49.3 73.9
 268 61.6 52.6 78.8

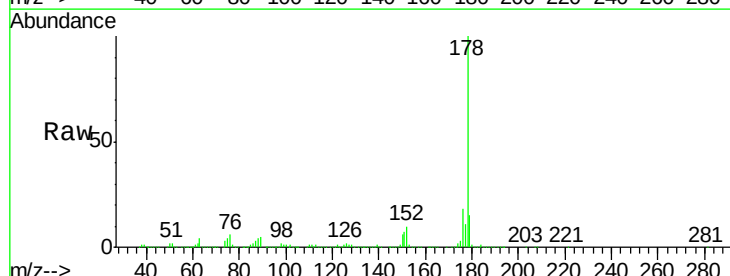


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

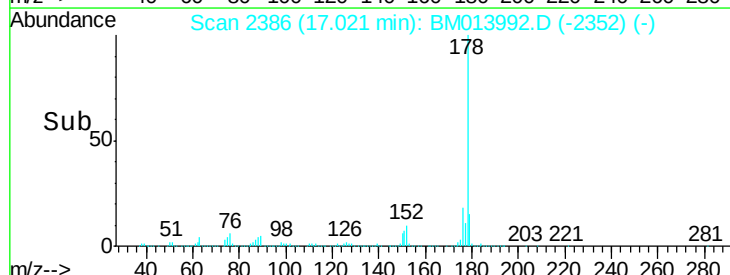
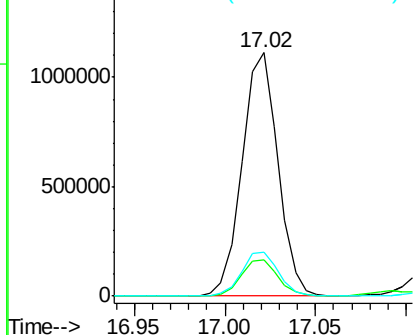


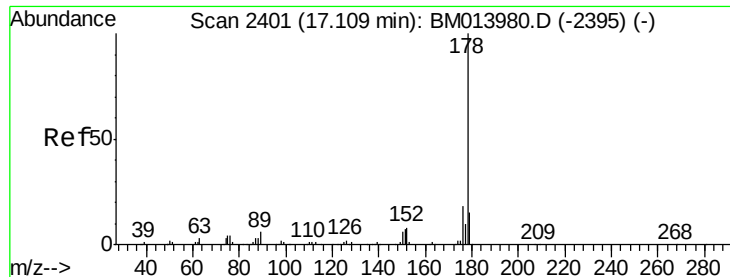
#69
 Phenanthrene
 Concen: 43.856 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. 0.00 min
 Lab File: BM013992.D
 Acq: 30 Jan 2018 11:54

Tgt Ion:178 Resp: 1528318
 Ion Ratio Lower Upper
 178 100
 179 15.1 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



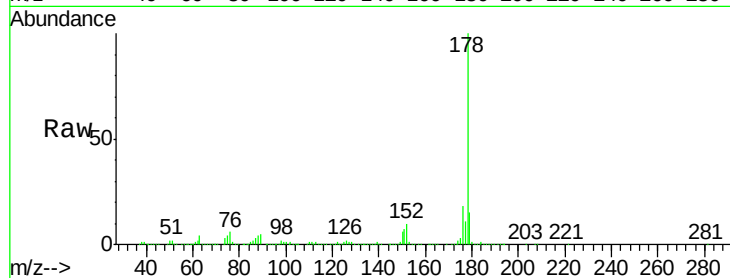


#71
 Anthracene
 Concen: 42.519 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.09 min
 Lab File: BM013992.D
 Acq: 30 Jan 2018 11:54

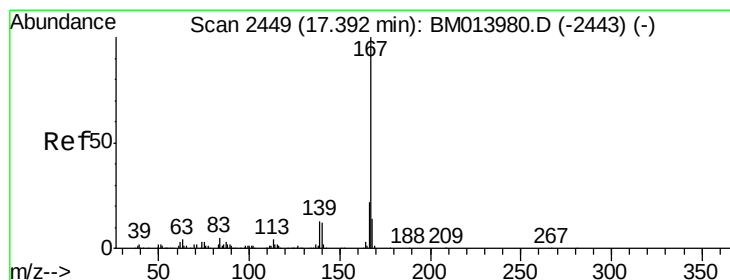
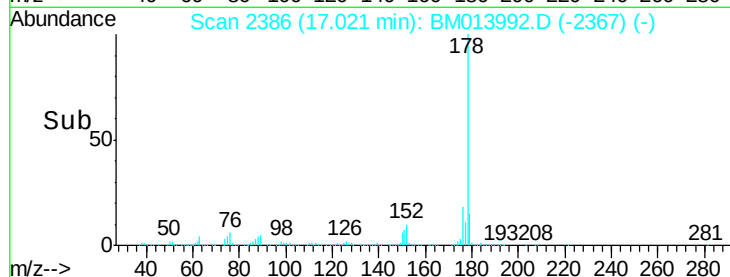
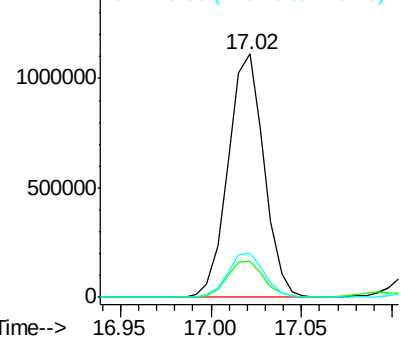
Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 1528318

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.1	14.6	21.8



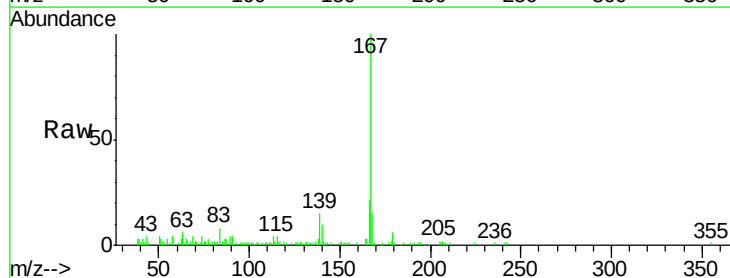
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



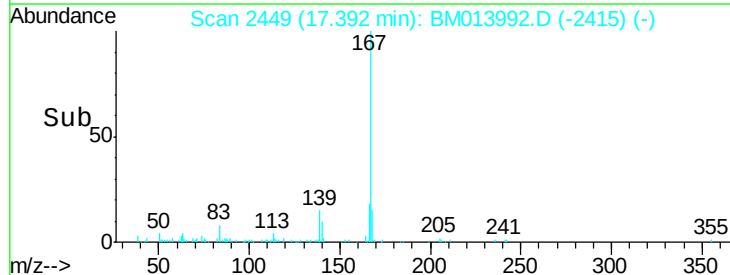
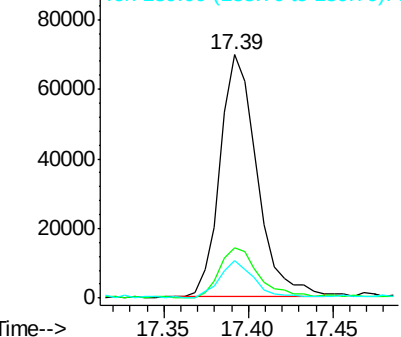
#72
 Carbazole
 Concen: 3.560 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.00 min
 Lab File: BM013992.D
 Acq: 30 Jan 2018 11:54

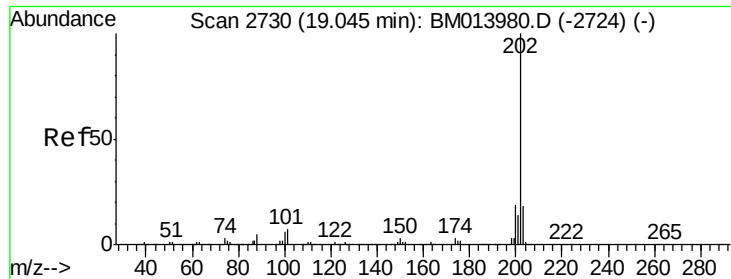
Tgt Ion:167 Resp: 105623

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.1	25.7
139	15.2	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: 31.917 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

ClientSampleId :

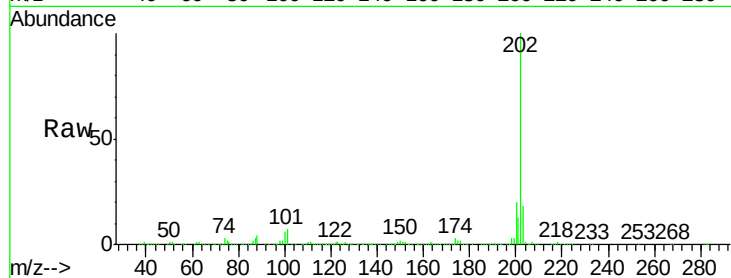
Tot Ion:202 Resp: 1327662

Ion Ratio Lower Upper

202 100

101 6.8 4.6 7.0

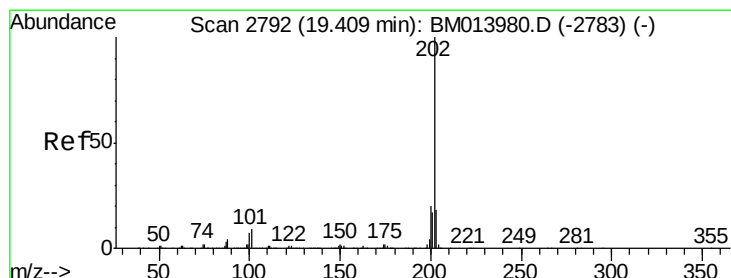
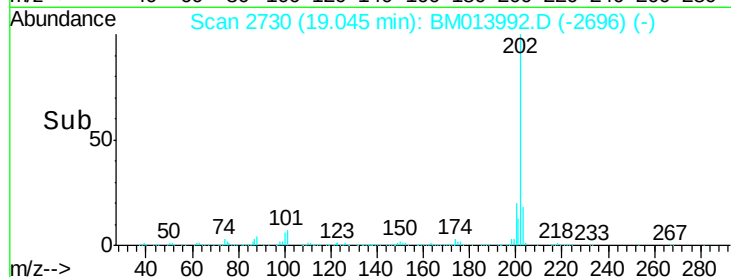
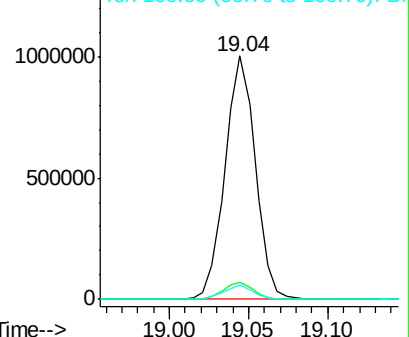
100 6.2 3.4 5.2#



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: 19.890 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

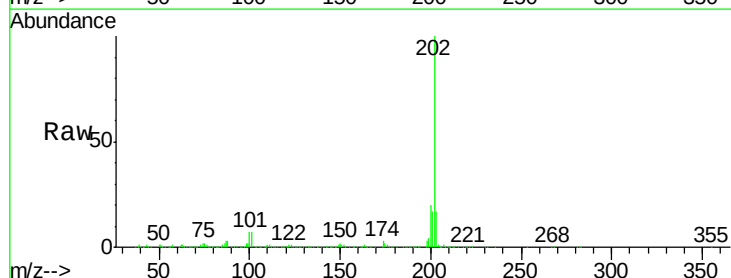
Tgt Ion:202 Resp: 976377

Ion Ratio Lower Upper

202 100

101 7.3 5.1 7.7

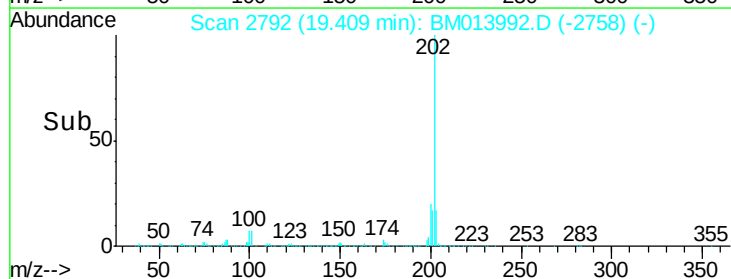
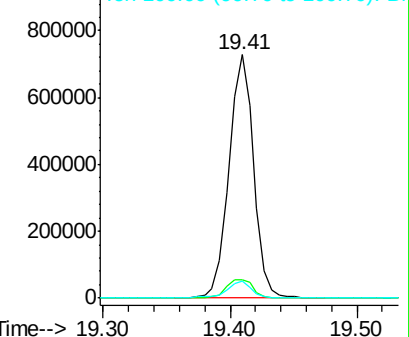
100 6.9 4.9 7.3

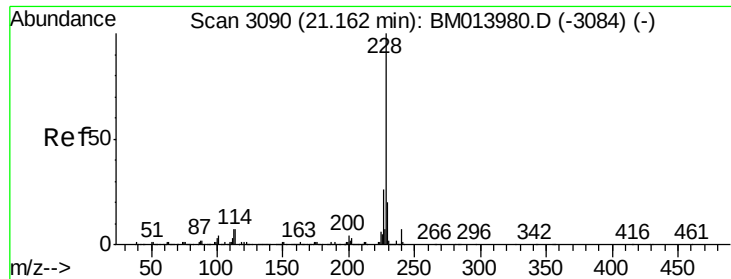


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.487 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

ClientSampleId :

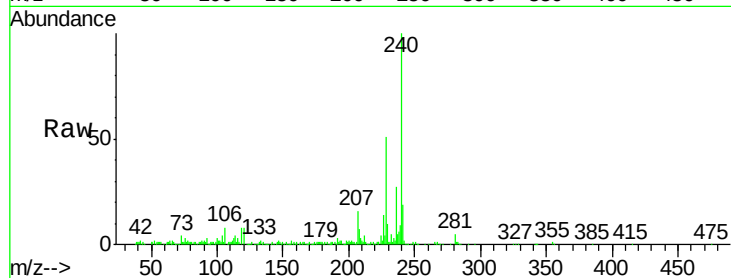
Tot Ion:228 Resp: 170148

Ion Ratio Lower Upper

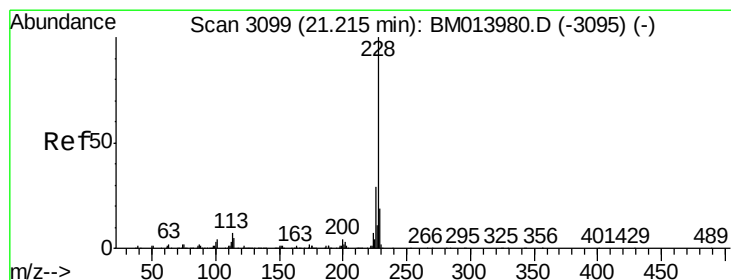
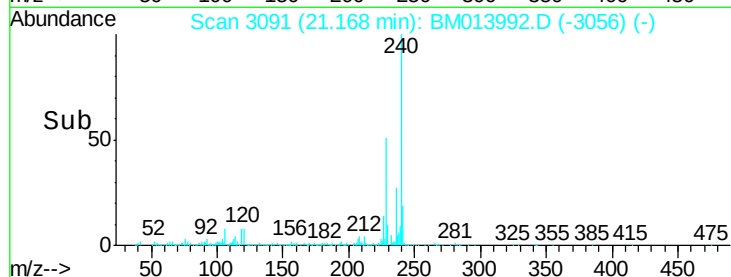
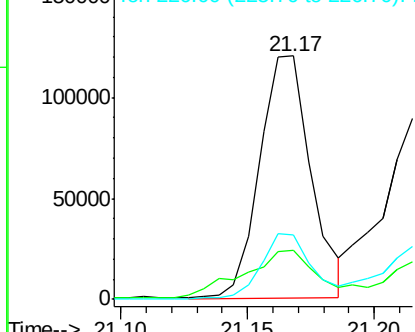
228 100

229 20.1 15.4 23.0

226 26.5 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 3.226 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

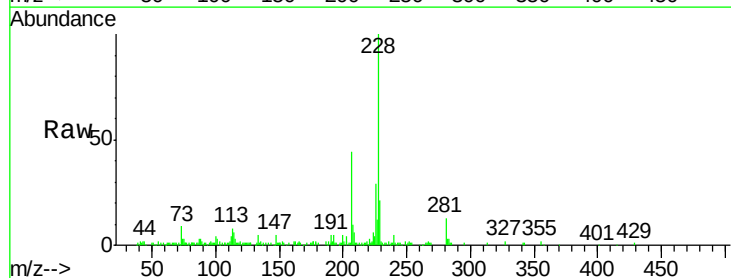
Tgt Ion:228 Resp: 144400

Ion Ratio Lower Upper

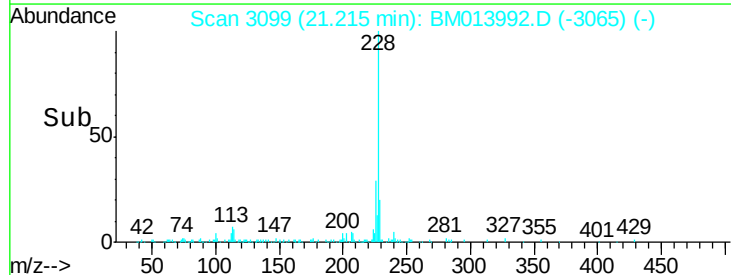
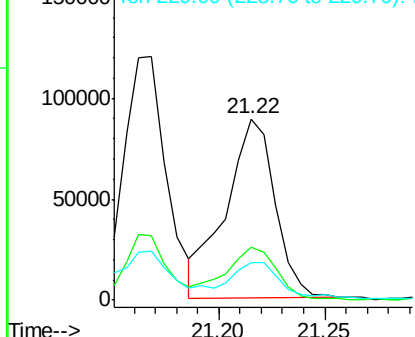
228 100

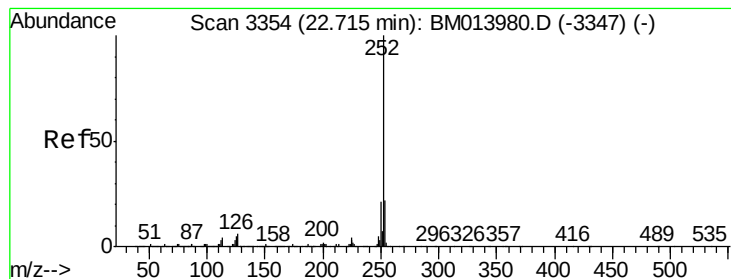
226 29.4 23.4 35.2

229 20.6 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: 2.093 ng/ul

RT: 22.71 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

ClientSampleId :

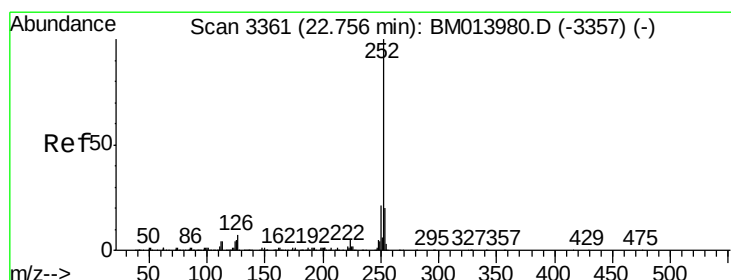
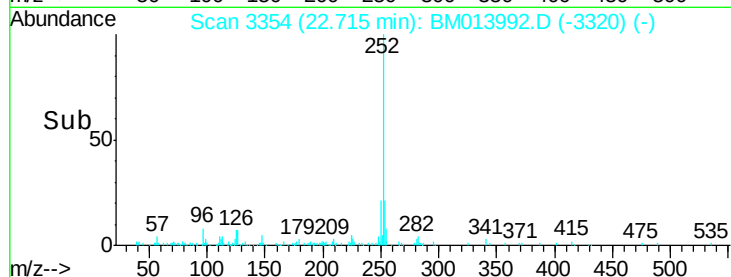
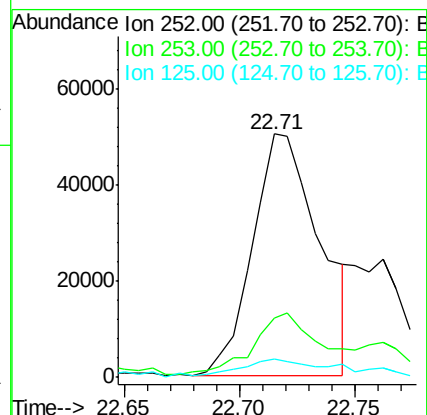
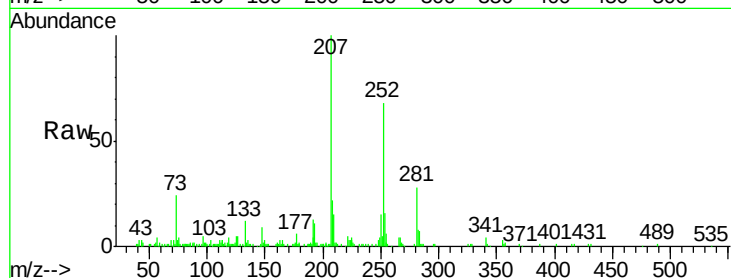
Tot Ion:252 Resp: 101533

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

125 7.5 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 2.165 ng/ul

RT: 22.71 min Scan# 3354

Delta R.T. -0.04 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

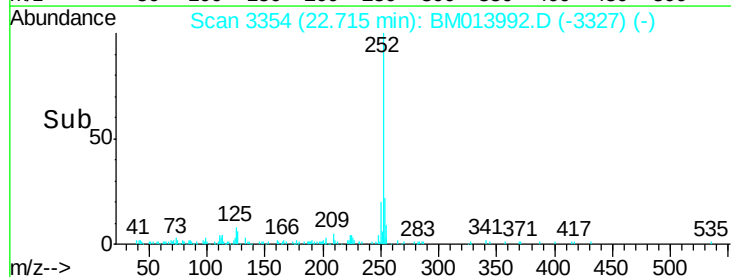
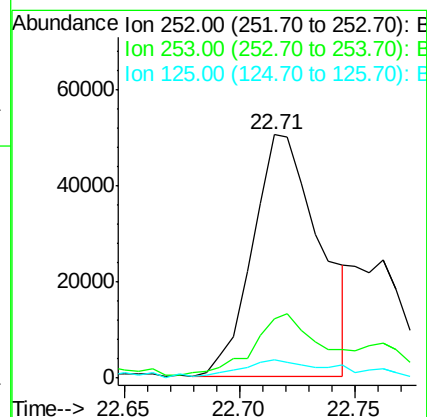
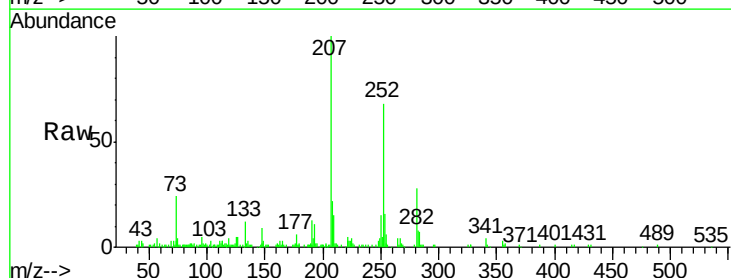
Tgt Ion:252 Resp: 101533

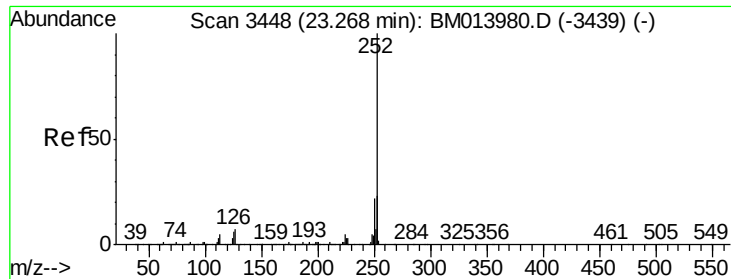
Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 7.5 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 1.011 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

ClientSampleId :

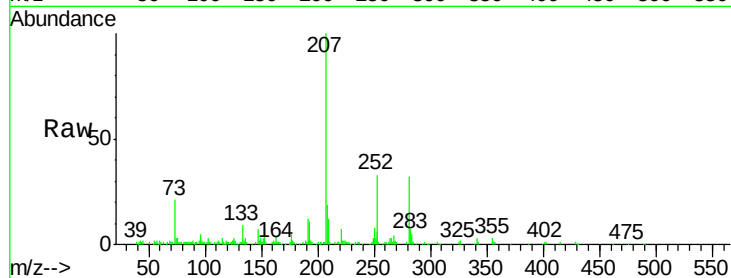
Tot Ion:252 Resp: 46337

Ion Ratio Lower Upper

252 100

253 19.1 18.2 27.2

125 5.7 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

