

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013988.D
 Acq On : 30 Jan 2018 09:15
 Operator : SJ/JU
 Sample : J1233-15DL 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B19DL

Quant Time: Jan 30 10:22:26 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	97236	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	393574	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	243658	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	622104	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	812208	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	808070	20.00	ng/ul	0.00

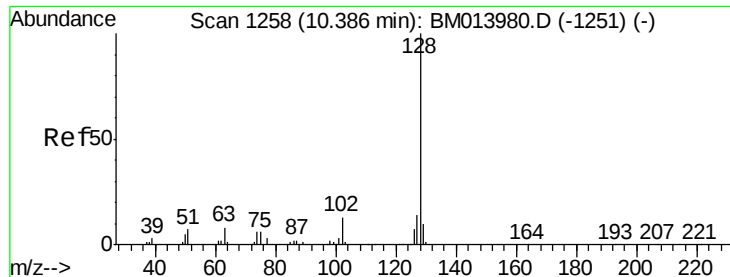
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2159	0.88	ng/uL	0.00
5) Phenol-d5	6.76	99	31532	4.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	17955	3.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	26155	4.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	19692	3.43	ng/ul	0.01
19) Nitrobenzene-d5	8.73	128	12252	4.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	14387	4.46	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	16593	2.66	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	23387	4.32	ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	112977	5.63	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	134161	5.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	2995	0.92	ng/ul	0.05
57) Fluorene-d10	15.22	176	103478	5.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3699	0.99	ng/ul	0.00
70) Anthracene-d10	17.08	188	171783	5.67	ng/ul	0.00
76) Pyrene-d10	19.38	212	218052	5.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	218929	5.89	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.39	128	114855	5.866	ng/ul	96
30) 4-Chloroaniline	10.40	127	13883	2.589	ng/ul#	12
34) 2-Methylnaphthalene	12.02	142	175977	12.055	ng/ul	94
40) 1,1'-Biphenyl	13.05	154	25700	1.267	ng/ul#	64
44) Dimethylphthalate	13.69	163	67456	3.416	ng/ul#	94
49) Acenaphthene	14.29	153	64157	3.954	ng/ul	87
53) Dibenzofuran	14.63	168	173363	7.102	ng/ul	97
58) Fluorene	15.28	166	113335	5.668	ng/ul	93
68) Pentachlorophenol	16.64	266	9456	2.250	ng/ul	97
69) Phenanthrene	17.02	178	908694	26.278	ng/ul	99
71) Anthracene	17.12	178	98129	2.751	ng/ul	98
74) Fluoranthene	19.04	202	705443	17.090	ng/ul#	98
77) Pyrene	19.41	202	464666	9.411	ng/ul	99
80) Benzo(a)anthracene	21.16	228	122341	2.493	ng/ul	95
82) Chrysene	21.22	228	89482	1.987	ng/ul	98
85) Benzo(b)fluoranthene	22.72	252	66656	1.343	ng/ul#	92

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



#28

Naphthalene

Concen: 5.866 ng/ul

RT: 10.39 min Scan# 1259

Delta R.T. 0.01 min

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ClientSampleId :

F6B19DL

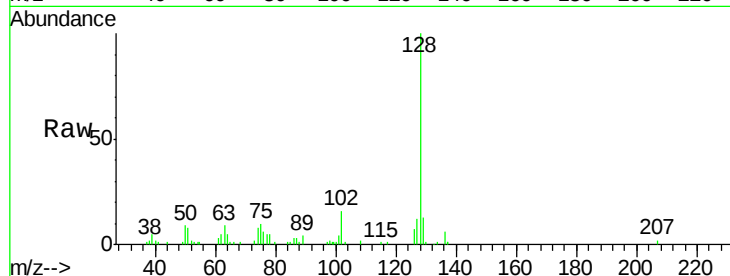
Tot Ion:128 Resp: 114855

Ion Ratio Lower Upper

128 100

129 12.8 8.8 13.2

127 12.2 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

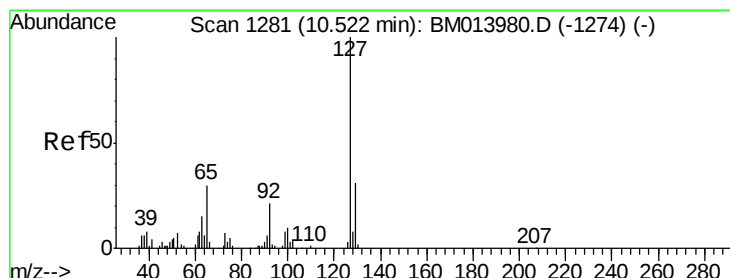
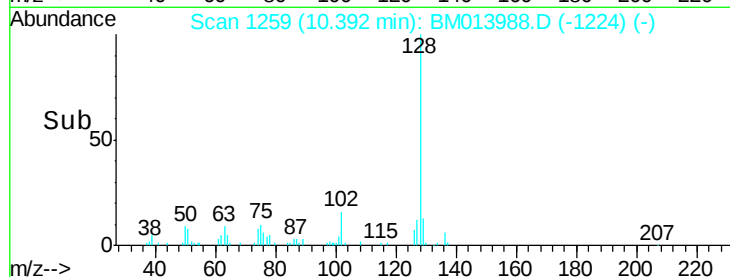
60000

40000

20000

0

Time--> 10.30 10.35 10.40 10.45



#30

4-Chloroaniline

Concen: 2.589 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.12 min

Lab File: BM013988.D

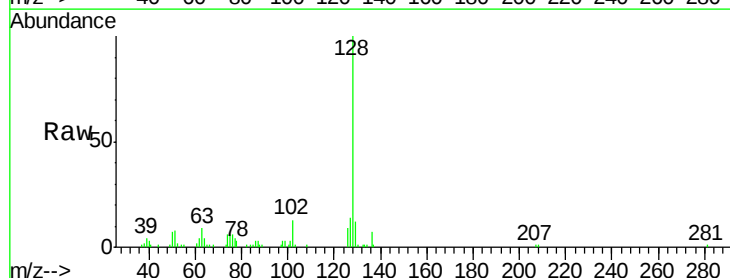
Acq: 30 Jan 2018 09:15

Tgt Ion:127 Resp: 13883

Ion Ratio Lower Upper

127 100

129 86.9 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

10000

8000

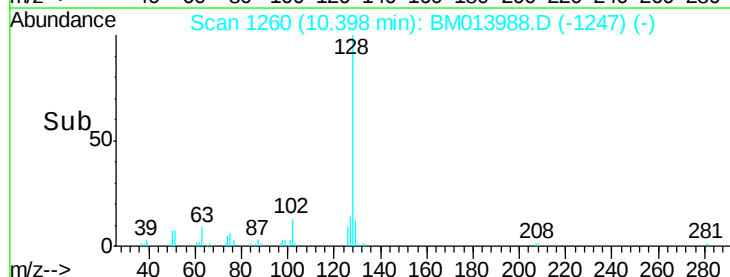
6000

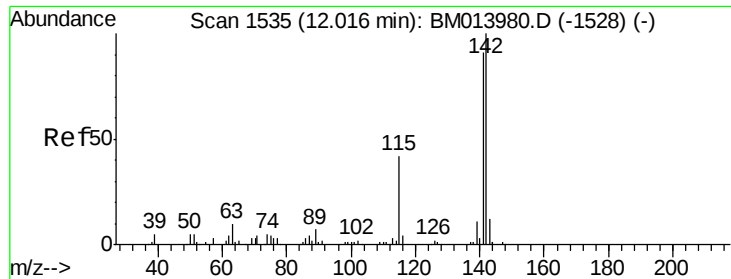
4000

2000

0

Time--> 10.35 10.40 10.45

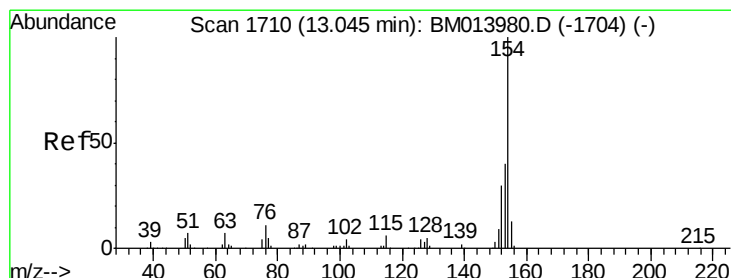
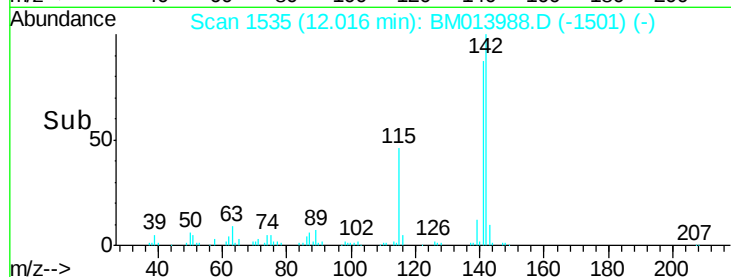
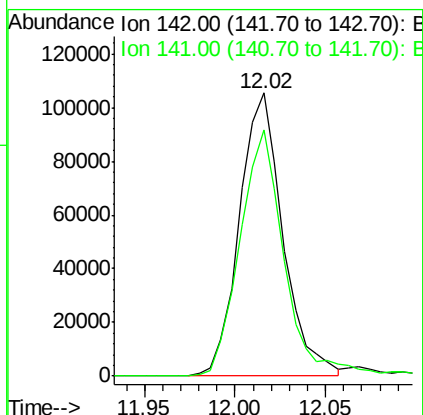
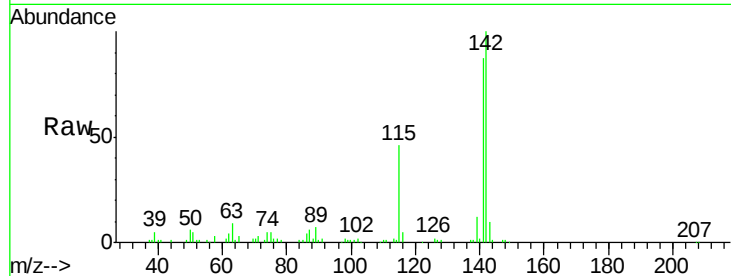




#34
 2-Methylnaphthalene
 Concen: 12.055 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: BM013988.D
 Acq: 30 Jan 2018 09:15

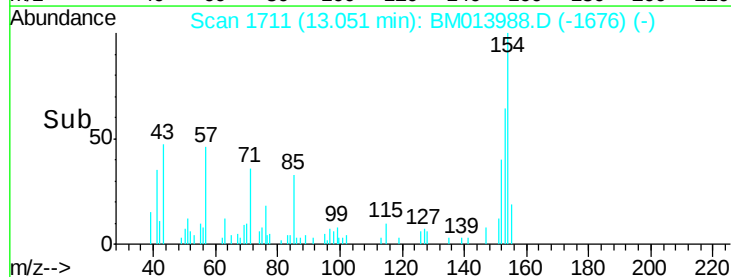
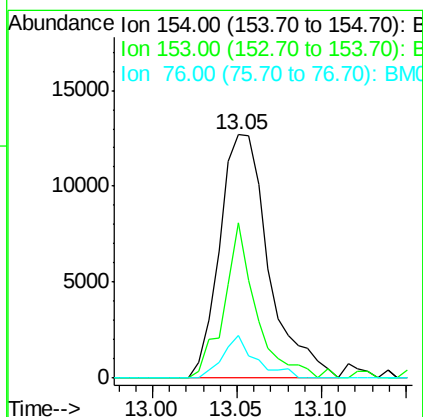
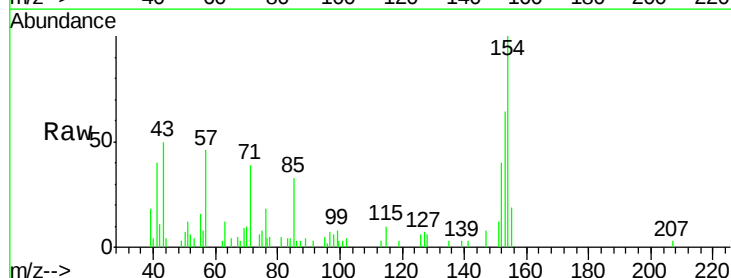
Instrument :
 BNA_M
 ClientSampleId :
 F6B19DL

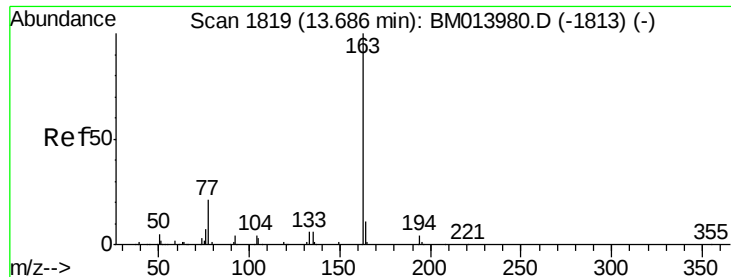
Tot Ion:142 Resp: 175977
 Ion Ratio Lower Upper
 142 100
 141 86.9 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.267 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.01 min
 Lab File: BM013988.D
 Acq: 30 Jan 2018 09:15

Tgt Ion:154 Resp: 25700
 Ion Ratio Lower Upper
 154 100
 153 63.9 32.6 48.8#
 76 22.1 8.5 12.7#





#44

Dimethylphthalate

Concen: 3.416 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

Instrument :

BNA_M

ClientSampleId :

F6B19DL

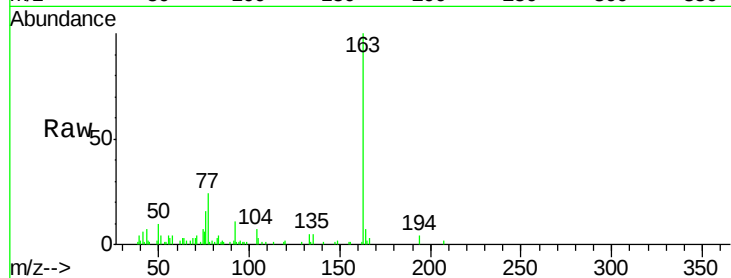
Tot Ion:163 Resp: 67456

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

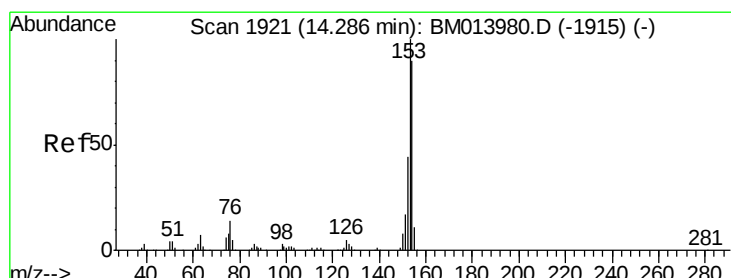
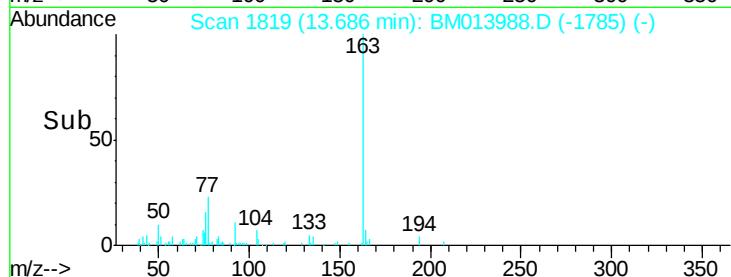
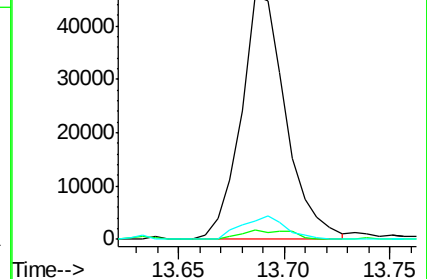
164 7.3 8.2 12.4#



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



#49

Acenaphthene

Concen: 3.954 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

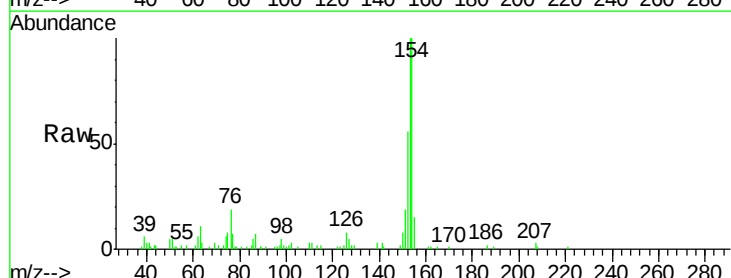
Tgt Ion:153 Resp: 64157

Ion Ratio Lower Upper

153 100

152 56.1 37.6 56.4

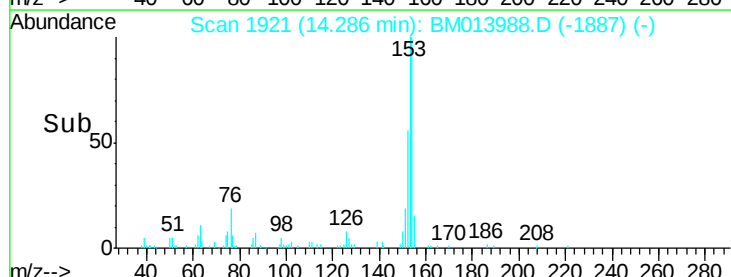
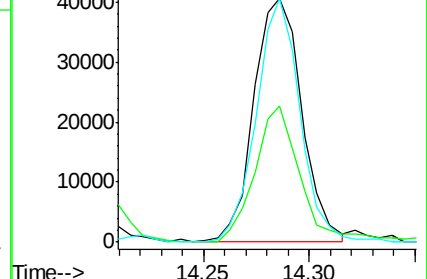
154 99.8 70.4 105.6

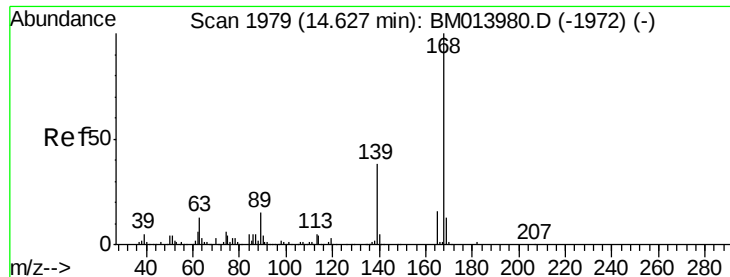


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 7.102 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

Instrument :

BNA_M

ClientSampleId :

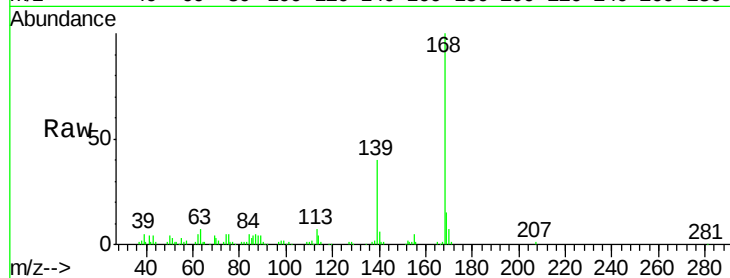
F6B19DL

Tot Ion:168 Resp: 173363

Ion Ratio Lower Upper

168 100

139 40.4 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.63

120000

100000

80000

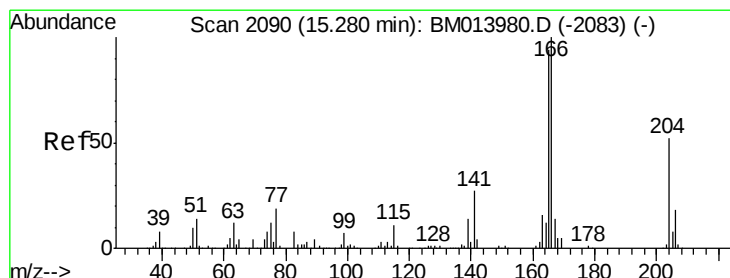
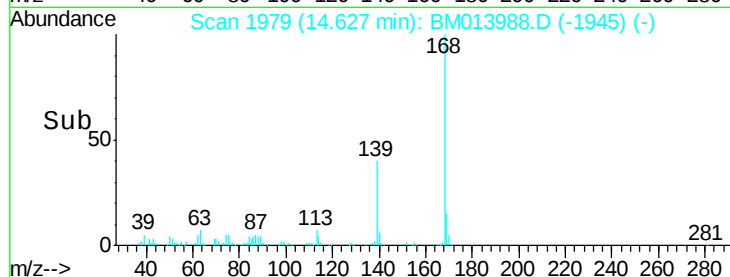
60000

40000

20000

0

Time-->



#58

Fluorene

Concen: 5.668 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

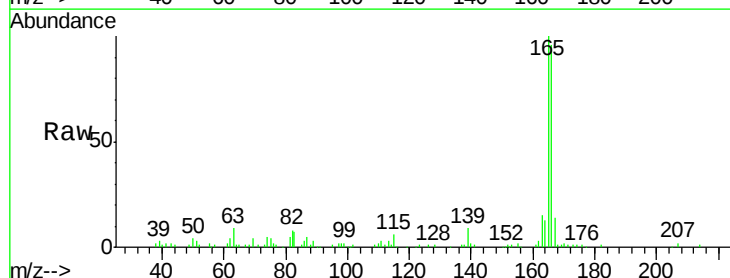
Tgt Ion:166 Resp: 113335

Ion Ratio Lower Upper

166 100

165 104.3 77.9 116.9

167 14.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.28

100000

80000

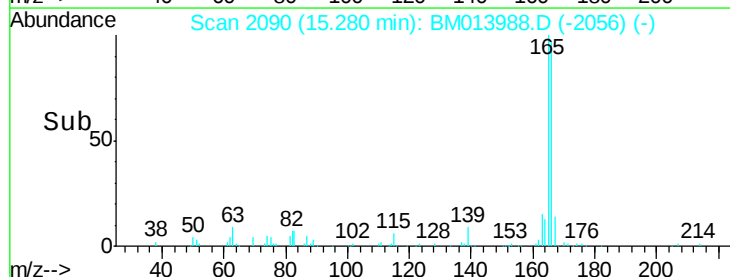
60000

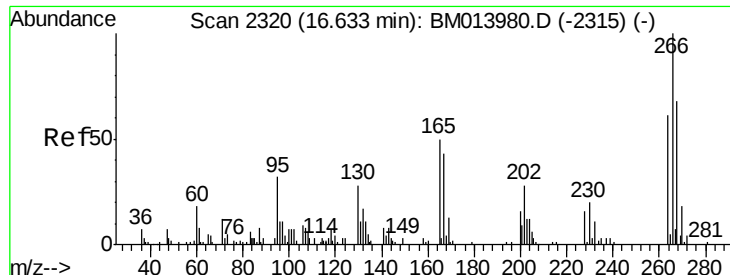
40000

20000

0

Time-->

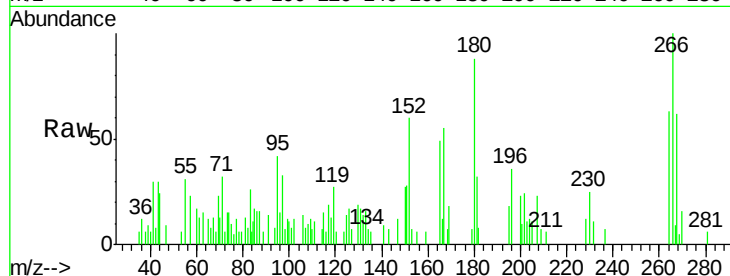




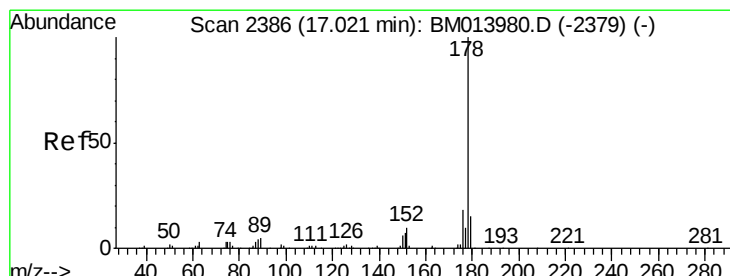
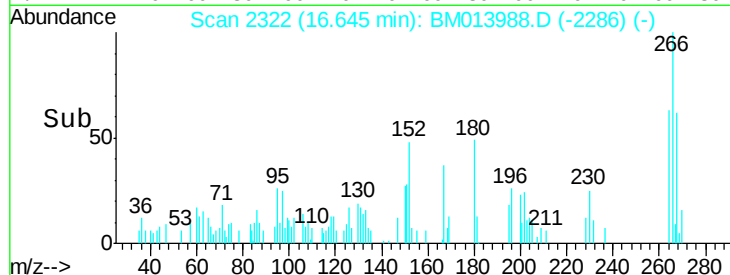
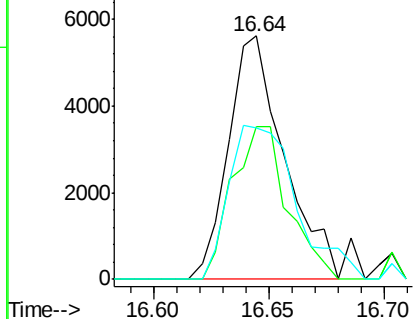
#68
 Pentachlorophenol
 Concen: 2.250 ng/ul
 RT: 16.64 min Scan# 2322
 Delta R.T. 0.01 min
 Lab File: BM013988.D
 Acq: 30 Jan 2018 09:15

Instrument :
 BNA_M
 ClientSampleID :
 F6B19DL

Tot Ion:266 Resp: 9456
 Ion Ratio Lower Upper
 266 100
 264 62.5 49.3 73.9
 268 62.4 52.6 78.8

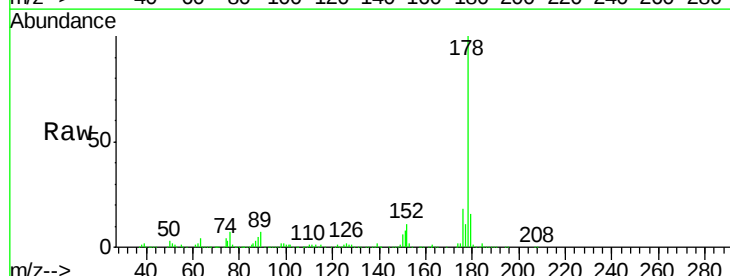


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

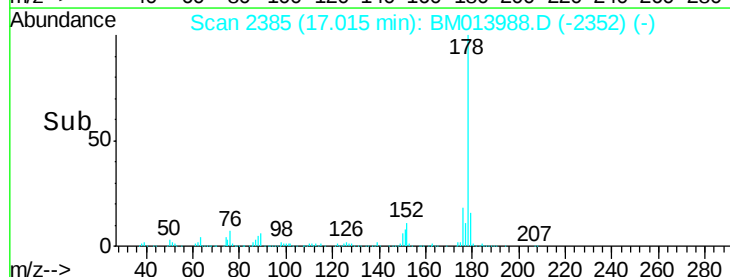
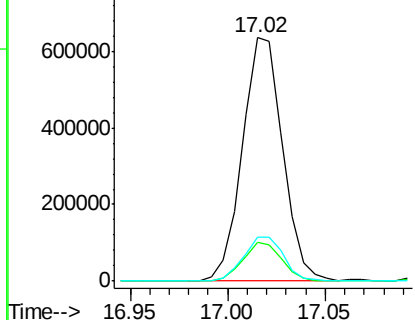


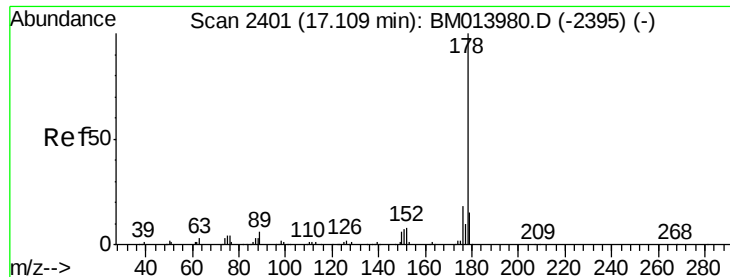
#69
 Phenanthrene
 Concen: 26.278 ng/ul
 RT: 17.02 min Scan# 2385
 Delta R.T. -0.01 min
 Lab File: BM013988.D
 Acq: 30 Jan 2018 09:15

Tgt Ion:178 Resp: 908694
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.6 19.0
 176 17.9 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: 2.751 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

Instrument :

BNA_M

ClientSampleId :

F6B19DL

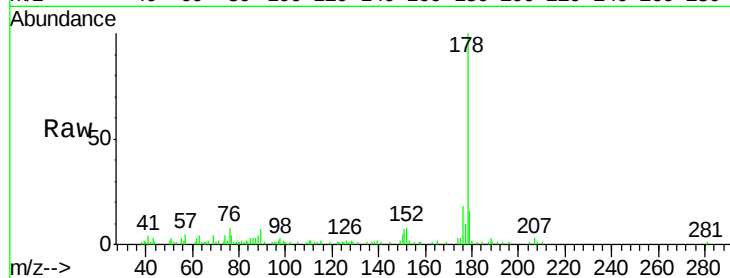
Tot Ion:178 Resp: 98129

Ion Ratio Lower Upper

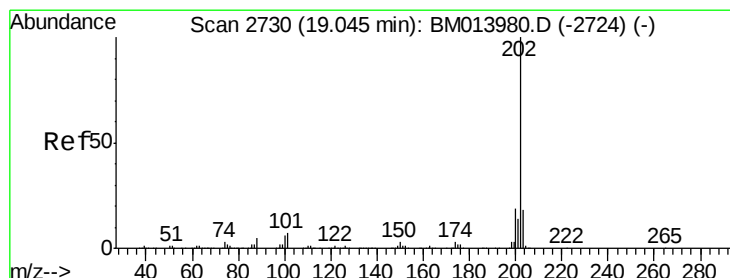
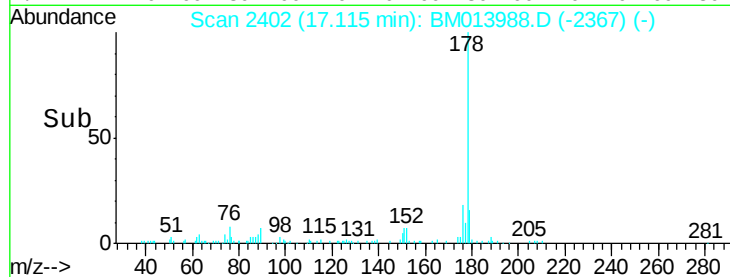
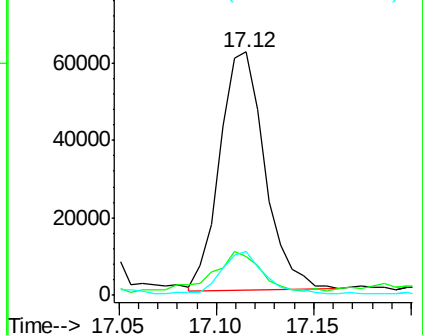
178 100

179 16.0 11.7 17.5

176 17.9 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



#74

Fluoranthene

Concen: 17.090 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

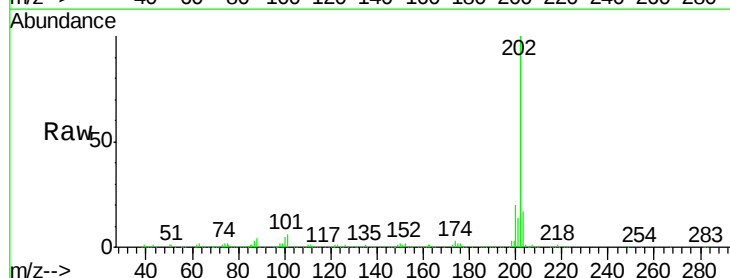
Tgt Ion:202 Resp: 705443

Ion Ratio Lower Upper

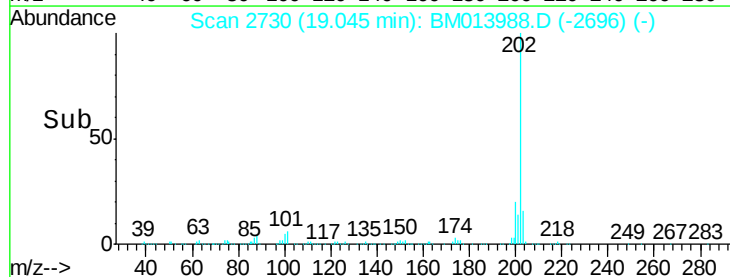
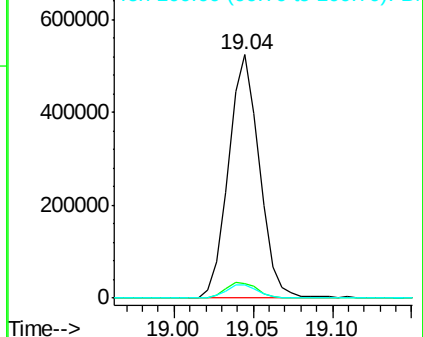
202 100

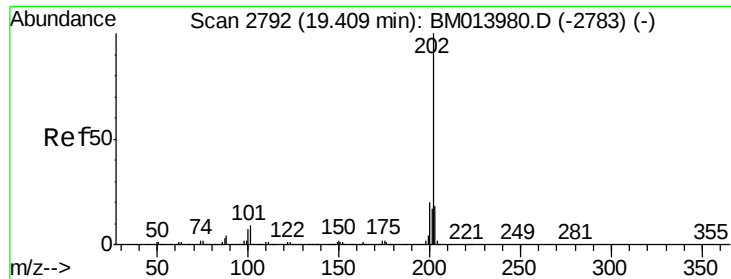
101 6.0 4.6 7.0

100 5.3 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: 9.411 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

Instrument :

BNA_M

ClientSampleId :

F6B19DL

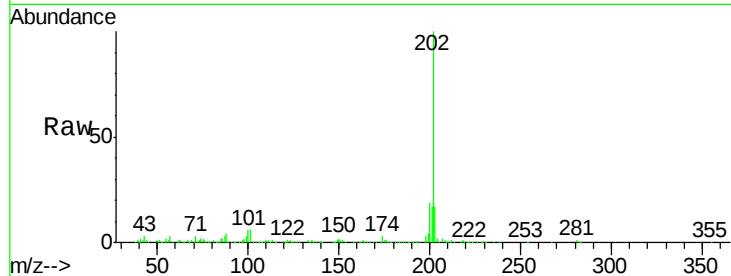
Tot Ion:202 Resp: 464666

Ion Ratio Lower Upper

202 100

101 6.3 5.1 7.7

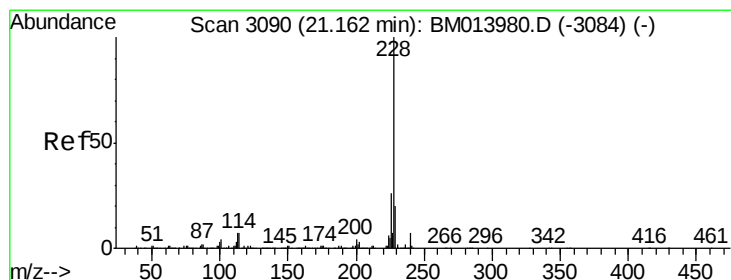
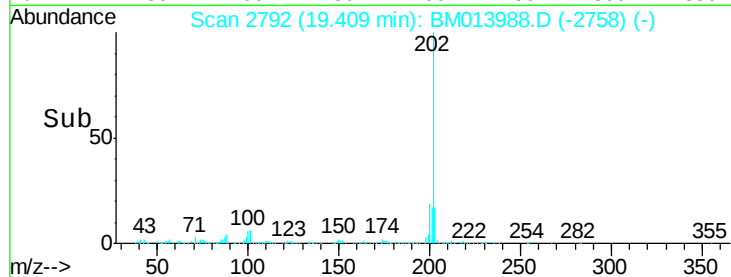
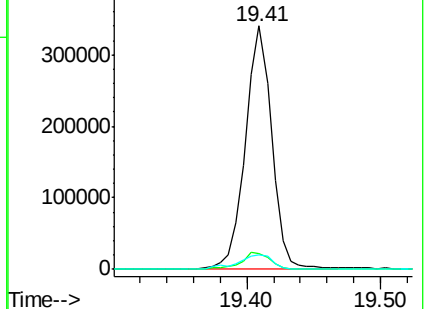
100 5.8 4.9 7.3



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: 2.493 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

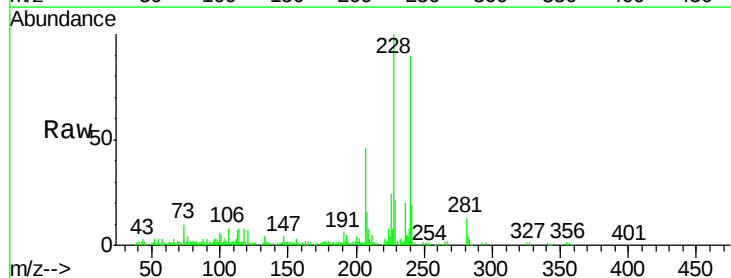
Tgt Ion:228 Resp: 122341

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

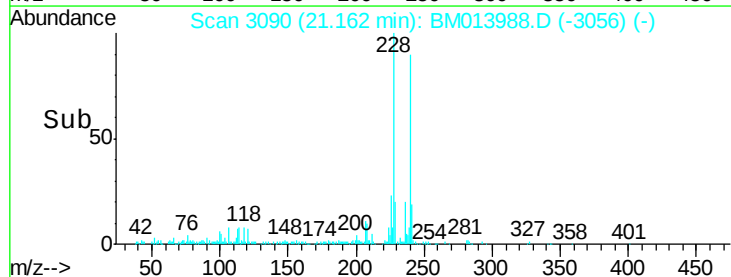
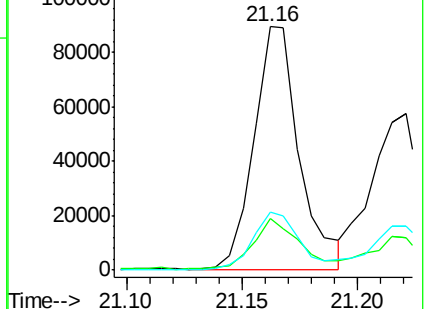
226 24.0 21.4 32.0

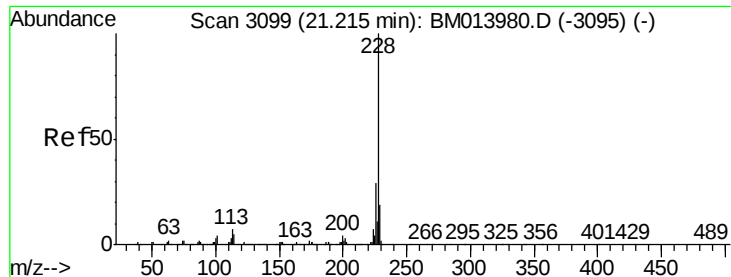


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 1.987 ng/ul

RT: 21.22 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

Instrument :

BNA_M

ClientSampleId :

F6B19DL

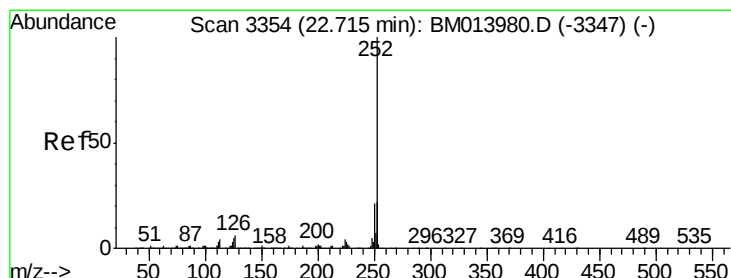
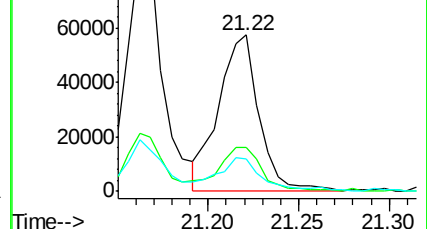
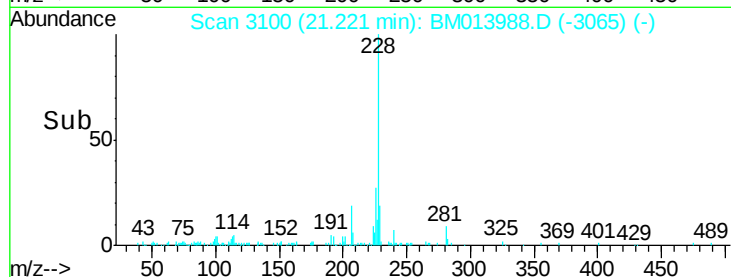
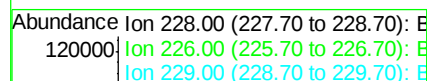
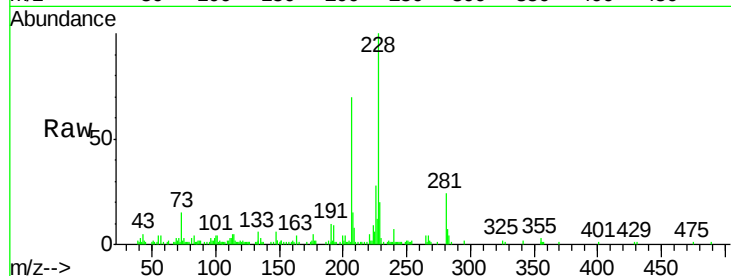
Tot Ion:228 Resp: 89482

Ion Ratio Lower Upper

228 100

226 28.0 23.4 35.2

229 20.4 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 1.343 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM013988.D

Acq: 30 Jan 2018 09:15

Tgt Ion:252 Resp: 66656

Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

125 9.6 3.6 5.4#

