

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
 Data File : BM013323.D
 Acq On : 12 Dec 2017 02:32
 Operator : SJ/JU
 Sample : I6758-09 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 04:16:58 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	226167	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	992746	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	586916	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1324102	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1428235	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1197013	20.00	ng/ul	0.00

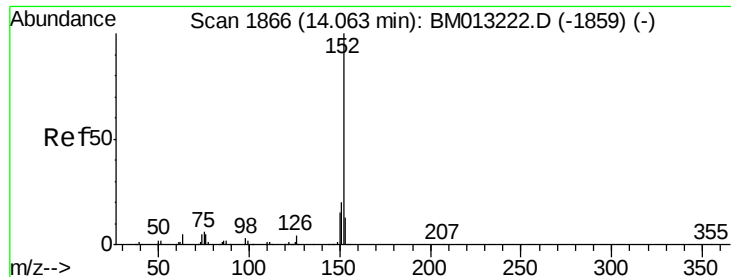
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1647	0.36	ng/uL	0.00
5) Phenol-d5	6.87	99	44348	2.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	24073	2.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	36149	2.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	39328	2.35	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	18514	2.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	19850	2.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	37485	2.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	27685	1.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	134480	2.57	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	162675	2.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	15753	1.74	ng/ul	0.00
57) Fluorene-d10	15.32	176	117604	2.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	13353	1.60	ng/ul	0.00
70) Anthracene-d10	17.18	188	174796	2.64	ng/ul	0.00
76) Pyrene-d10	19.48	212	195566	2.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	147993	2.43	ng/ul	0.01

Target Compounds

					Ovalue	
47) Acenaphthylene	14.05	152	448928	7.527	ng/ul	99
49) Acenaphthene	14.39	153	367320	9.041	ng/ul	99
53) Dibenzofuran	14.73	168	362531	6.044	ng/ul	95
58) Fluorene	15.38	166	380107	7.660	ng/ul	99
68) Pentachlorophenol	16.73	266	11069	1.115	ng/ul#	89
69) Phenanthrene	17.13	178	9774579	129.938	ng/ul	100
71) Anthracene	17.22	178	1612571	20.972	ng/ul	99
72) Carbazole	17.49	167	725959	10.976	ng/ul	99
74) Fluoranthene	19.29	202	150147	1.629	ng/ul#	90
77) Pyrene	19.52	202	15517676	178.838	ng/ul#	81
80) Benzo(a)anthracene	21.26	228	5465805	60.317	ng/ul	98
82) Chrysene	21.32	228	8794364	104.607	ng/ul	98
85) Benzo(b)fluoranthene	22.84	252	6575334	81.486	ng/ul#	98
86) Benzo(k)fluoranthene	22.88	252	2150174	28.315	ng/ul#	95
88) Benzo(a)pyrene	23.41	252	2501591	34.511	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.74	276	1638197	22.777	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.74	278	493310	8.055	ng/ul#	92
91) Benzo(g,h,i)perylene	26.42	276	1197795	21.113	ng/ul#	95

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



#47

Acenaphthylene

Concen: 7.527 ng/ul

RT: 14.05 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

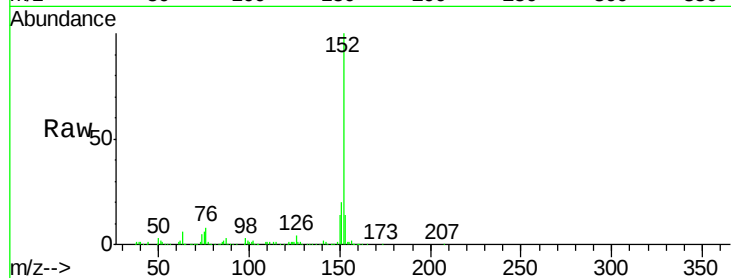
Tot Ion:152 Resp: 448928

Ion Ratio Lower Upper

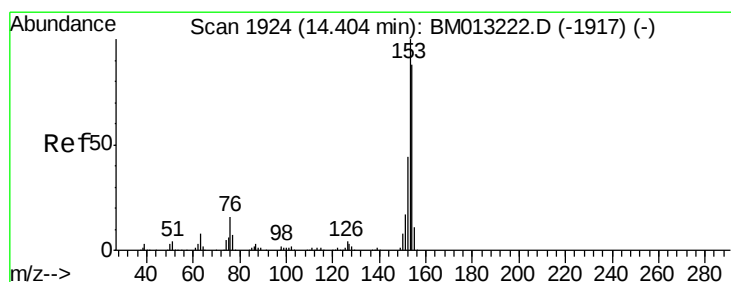
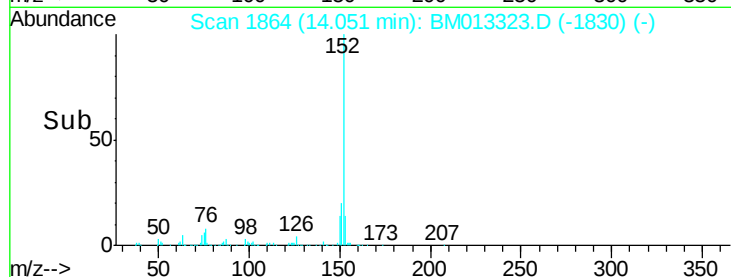
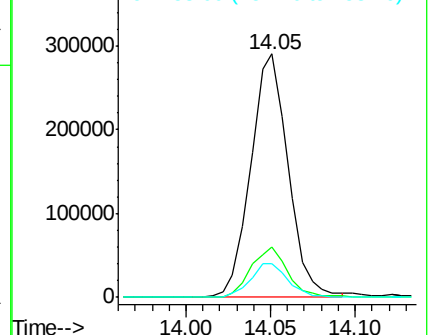
152 100

151 20.4 16.3 24.5

153 13.8 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: 9.041 ng/ul

RT: 14.39 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

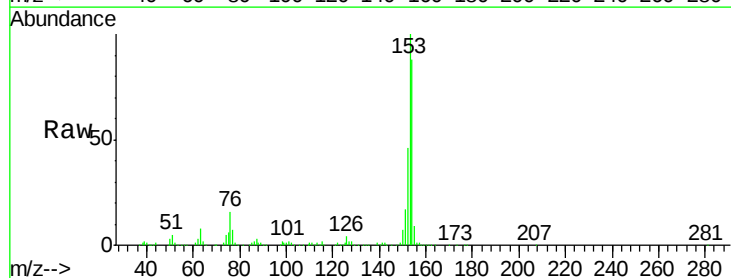
Tgt Ion:153 Resp: 367320

Ion Ratio Lower Upper

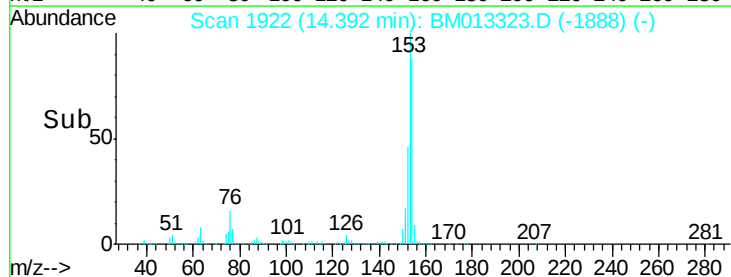
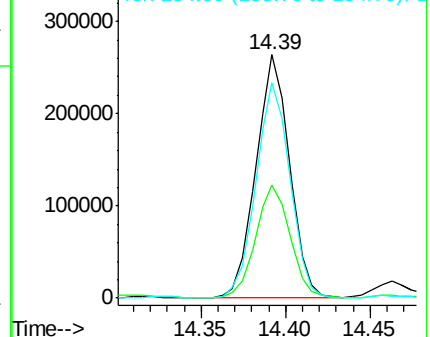
153 100

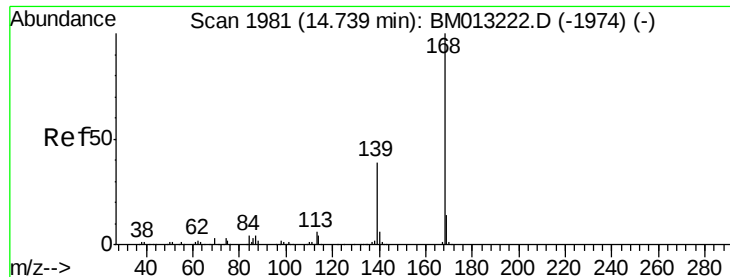
152 46.3 37.6 56.4

154 88.4 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: 6.044 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

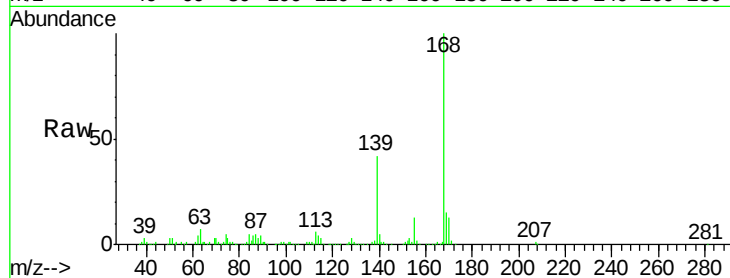
ClientSampleId :

Tot Ion:168 Resp: 362531

Ion Ratio Lower Upper

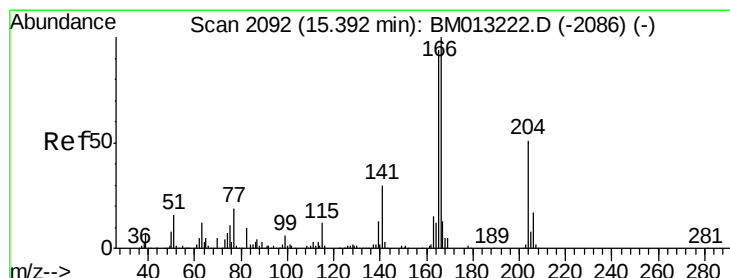
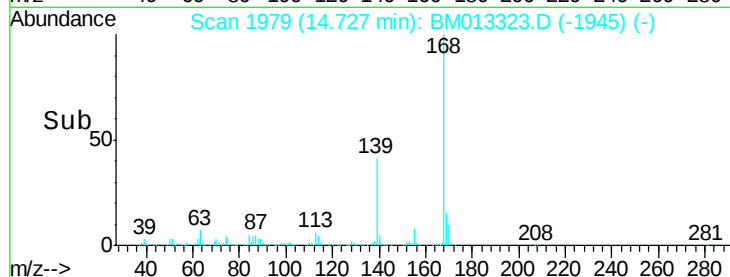
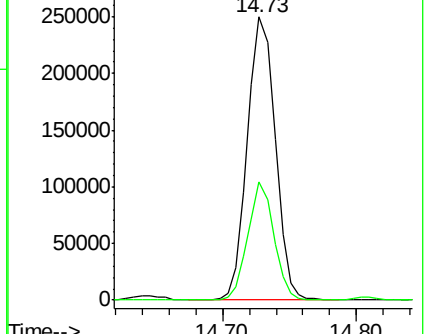
168 100

139 41.7 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: 7.660 ng/ul

RT: 15.38 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

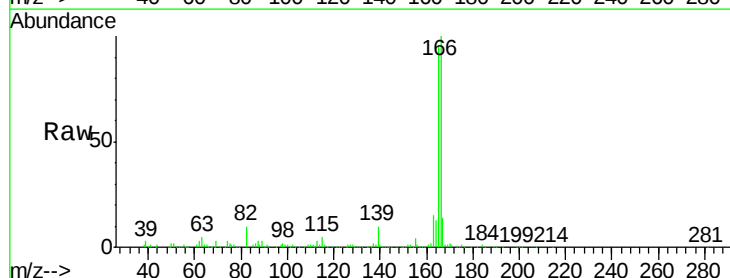
Tgt Ion:166 Resp: 380107

Ion Ratio Lower Upper

166 100

165 96.4 77.9 116.9

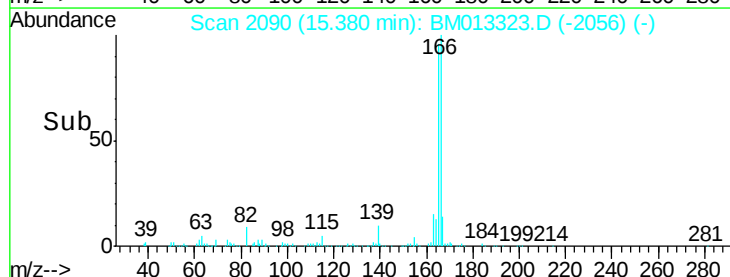
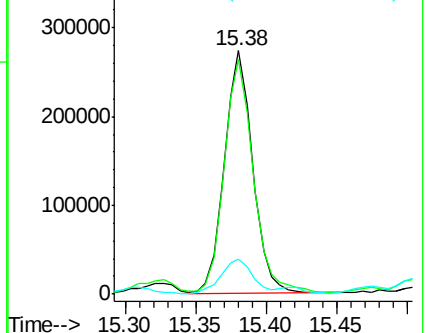
167 14.2 10.6 16.0

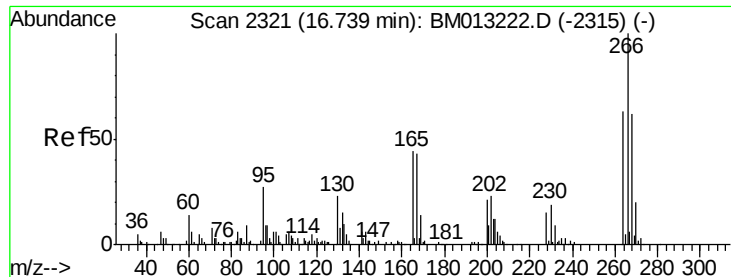


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

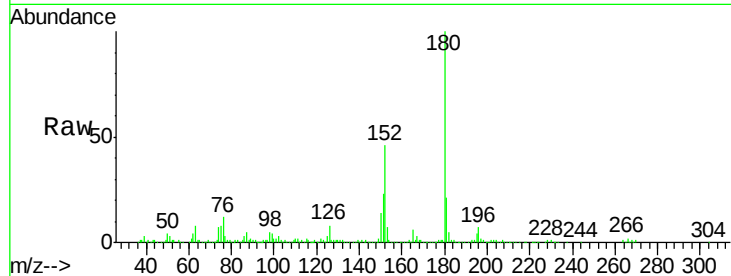




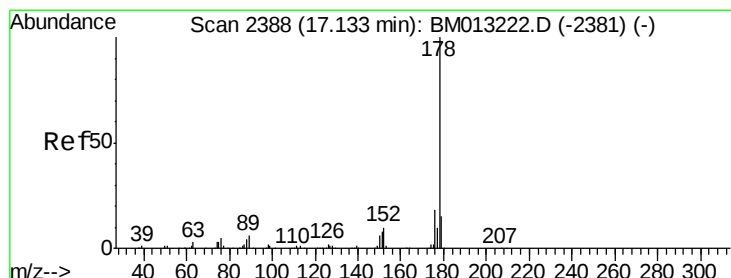
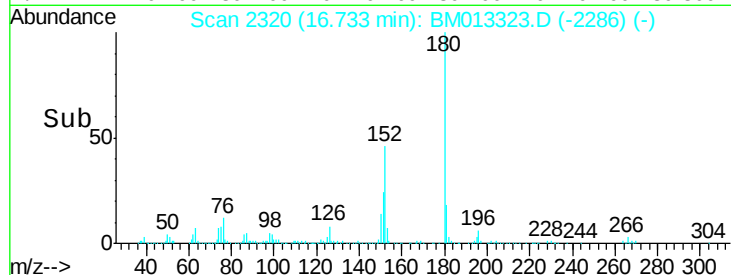
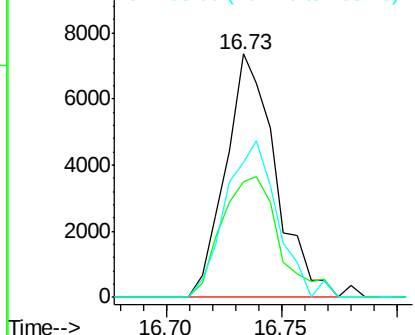
#68
 Pentachlorophenol
 Concen: 1.115 ng/ul
 RT: 16.73 min Scan# 2320
 Delta R.T. -0.00 min
 Lab File: BM013323.D
 Acq: 12 Dec 2017 02:32

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
264	47.2	49.3	73.9#
268	62.6	52.6	78.8

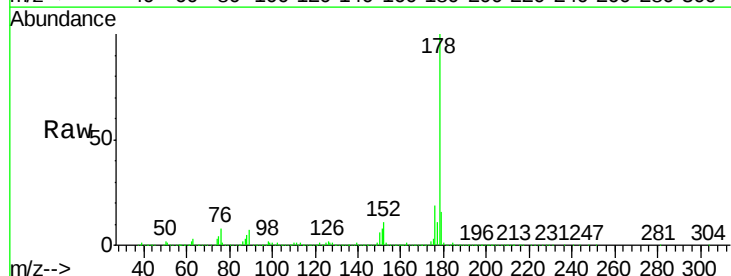


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

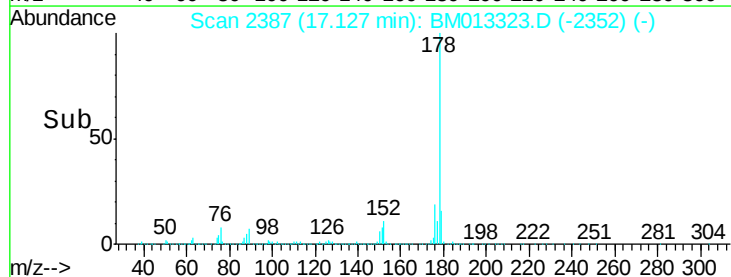
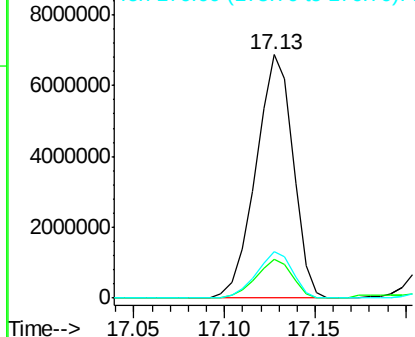


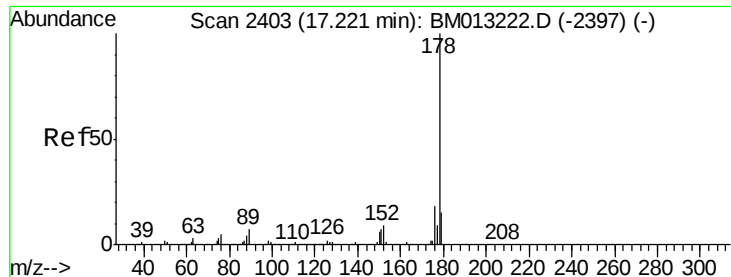
#69
 Phenanthrene
 Concen: 129.938 ng/ul
 RT: 17.13 min Scan# 2387
 Delta R.T. 0.01 min
 Lab File: BM013323.D
 Acq: 12 Dec 2017 02:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	18.9	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: 20.972 ng/ul

RT: 17.22 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

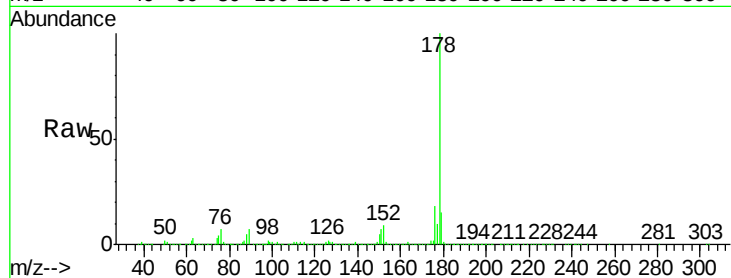
Tot Ion:178 Resp: 1612571

Ion Ratio Lower Upper

178 100

179 14.8 11.7 17.5

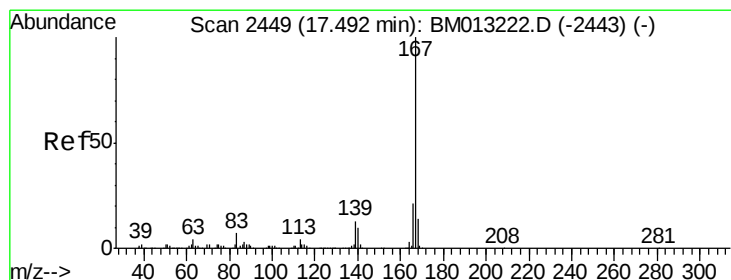
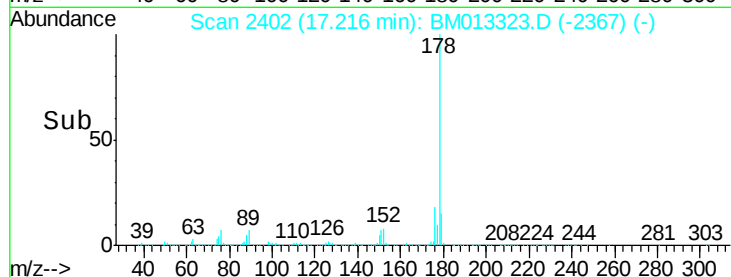
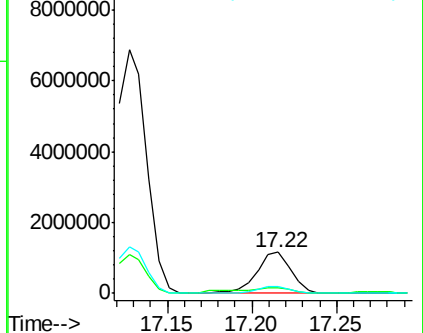
176 17.7 14.6 21.8



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: 10.976 ng/ul

RT: 17.49 min Scan# 2448

Delta R.T. -0.00 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

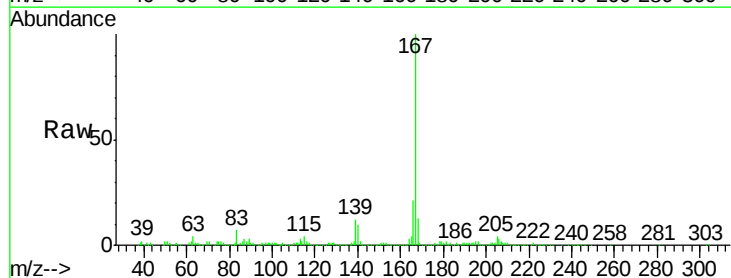
Tgt Ion:167 Resp: 725959

Ion Ratio Lower Upper

167 100

166 21.1 17.1 25.7

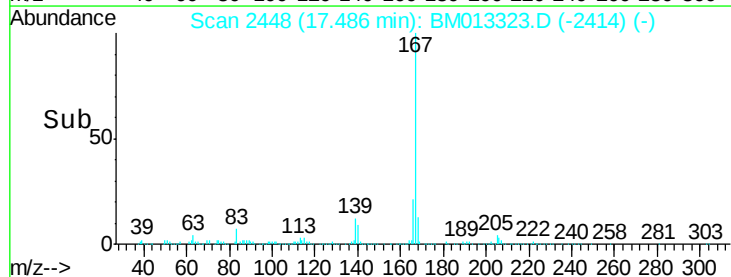
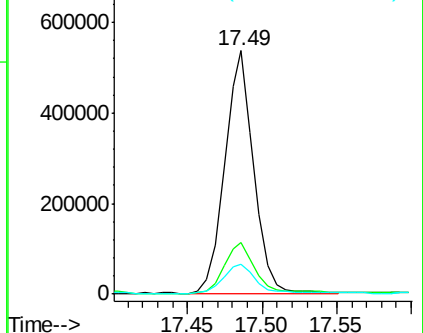
139 12.1 10.0 15.0

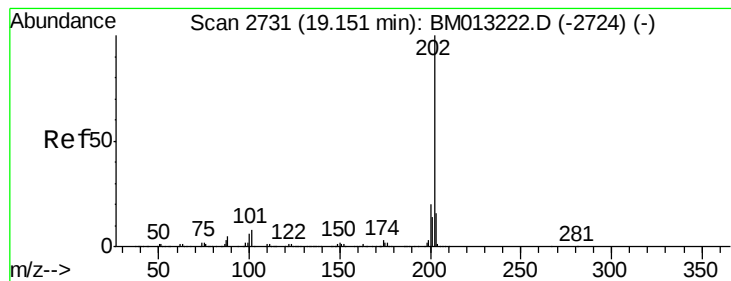


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 1.629 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.15 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

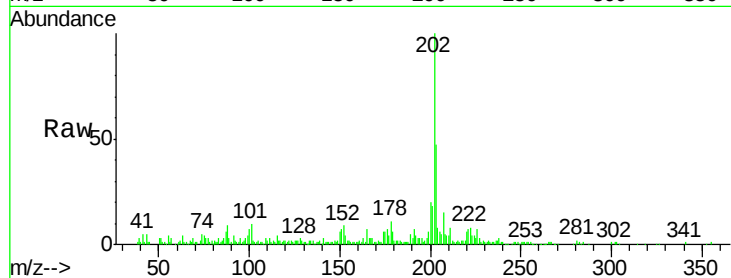
Tot Ion:202 Resp: 150147

Ion Ratio Lower Upper

202 100

101 10.2 4.6 7.0#

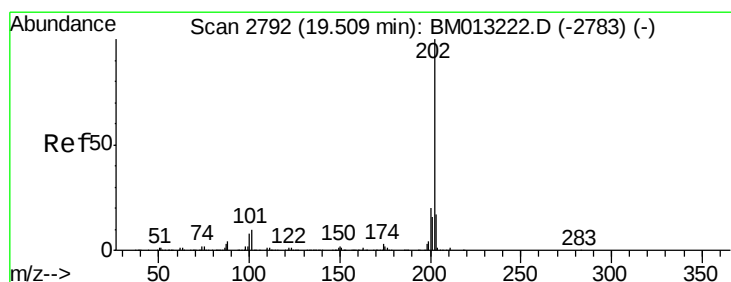
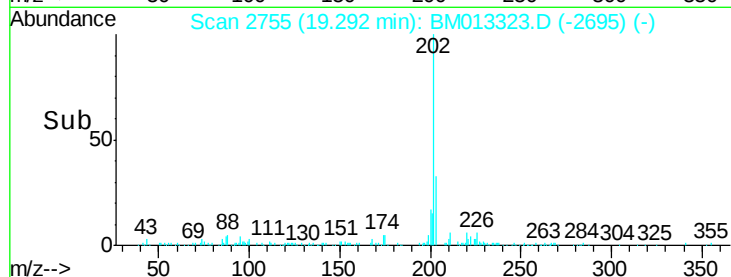
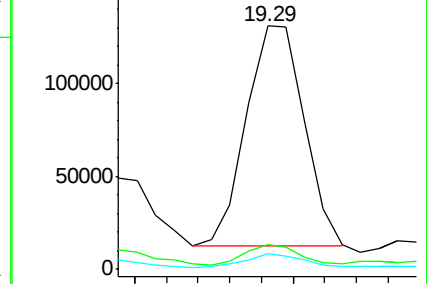
100 6.5 3.4 5.2#



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: 178.838 ng/ul

RT: 19.52 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

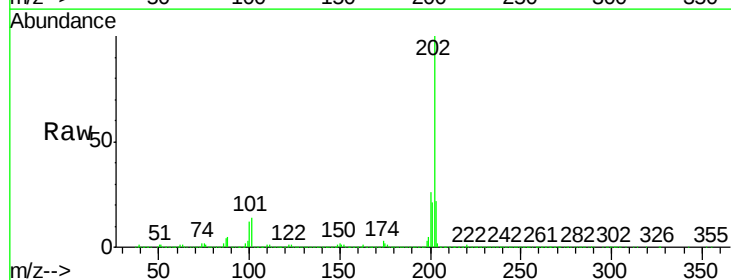
Tgt Ion:202 Resp:15517676

Ion Ratio Lower Upper

202 100

101 13.9 5.1 7.7#

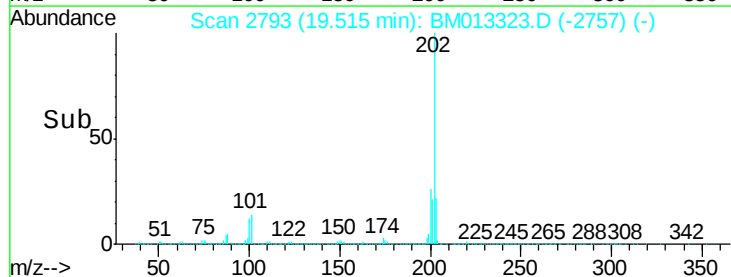
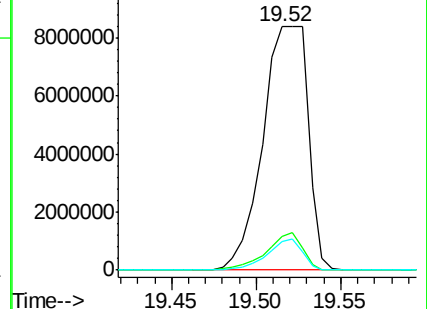
100 11.6 4.9 7.3#

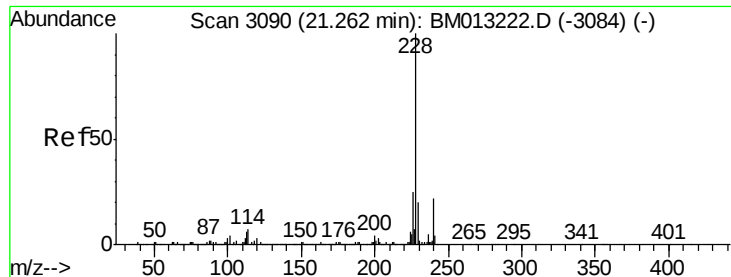


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 60.317 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

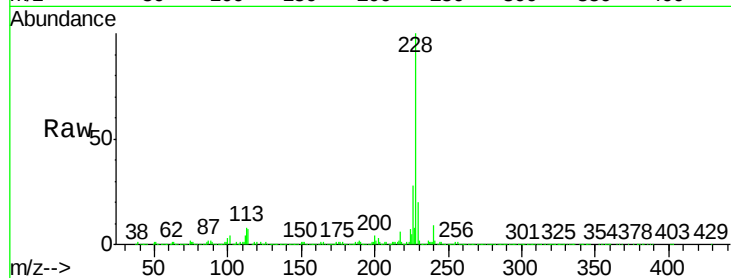
Tot Ion:228 Resp: 5465805

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

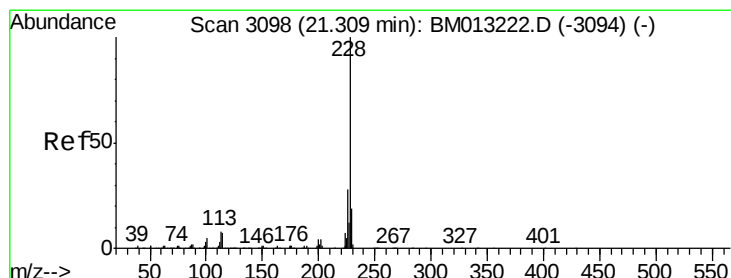
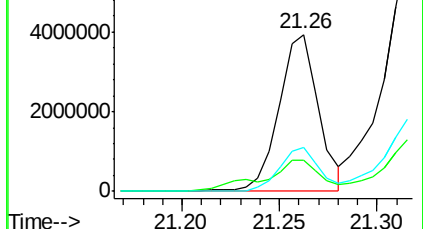
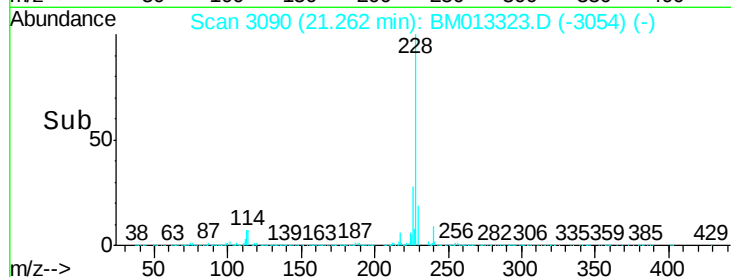
226 28.1 21.4 32.0



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: 104.607 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

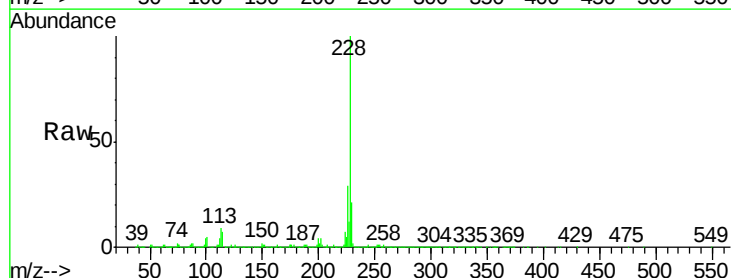
Tgt Ion:228 Resp: 8794364

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

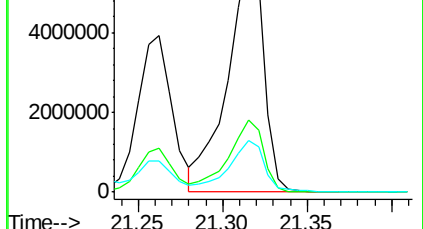
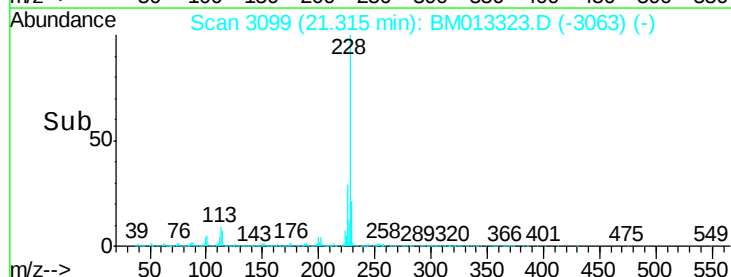
229 21.1 15.5 23.3

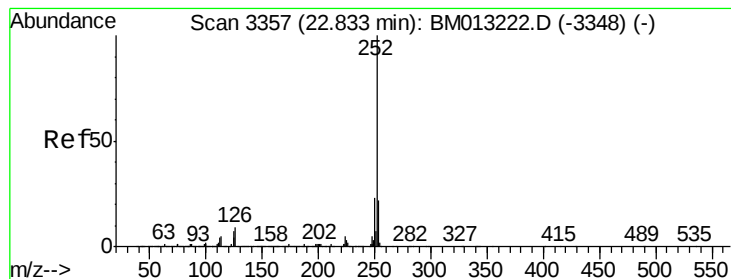


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 81.486 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.02 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

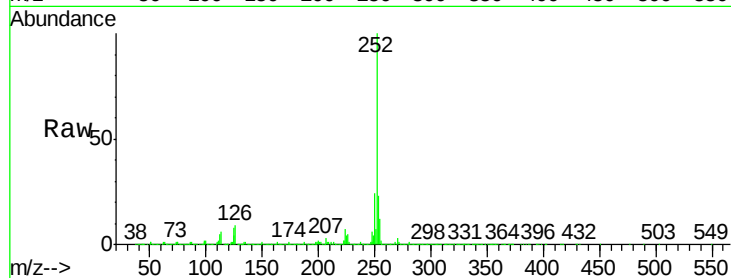
Tot Ion:252 Resp: 6575334

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

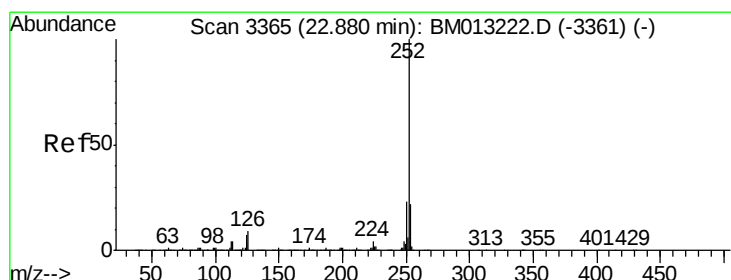
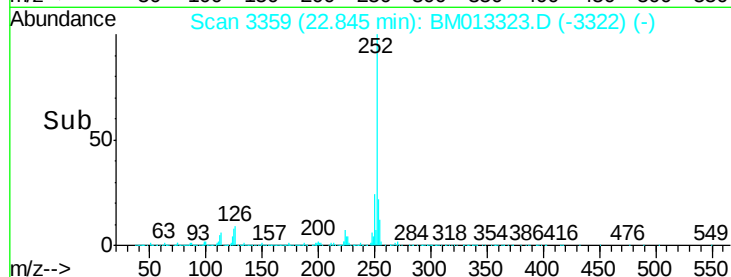
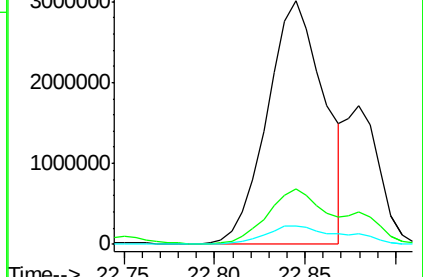
125 7.7 3.6 5.4#



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: 28.315 ng/ul

RT: 22.88 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

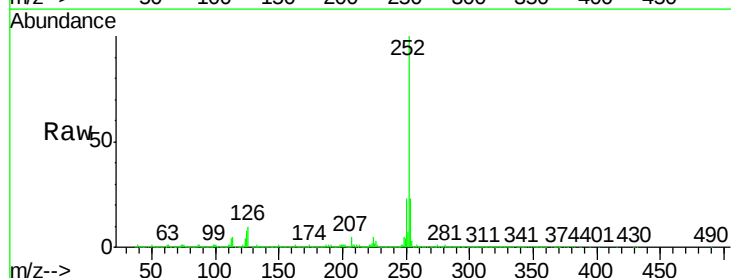
Tgt Ion:252 Resp: 2150174

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

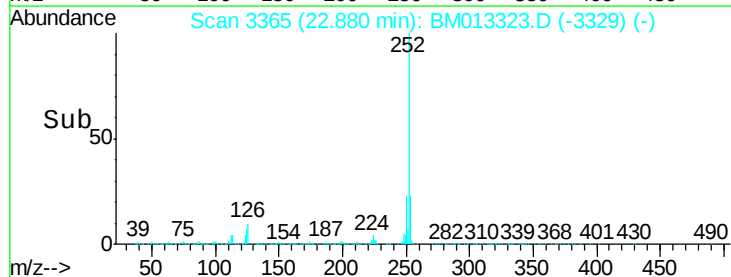
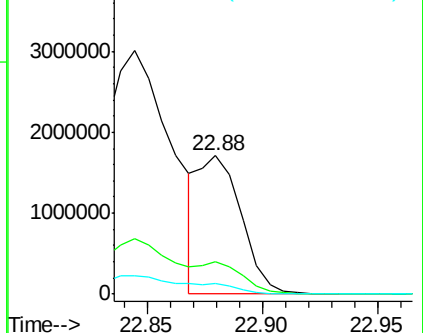
125 7.5 3.4 5.2#

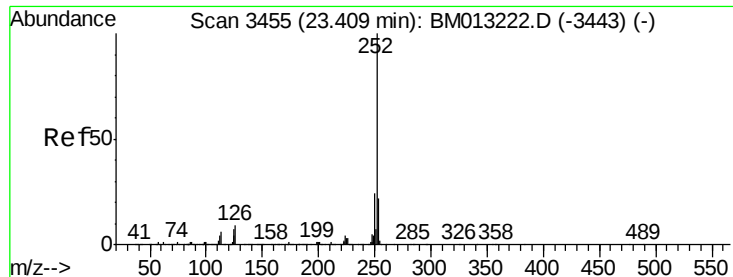


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 34.511 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

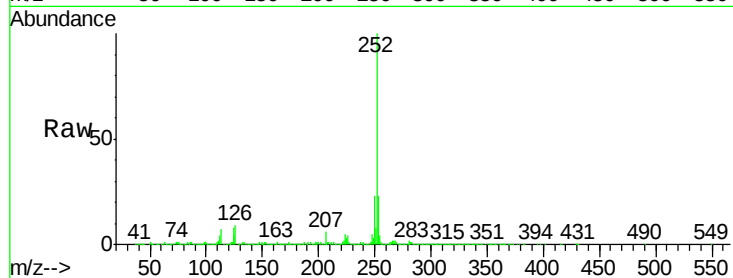
Tot Ion:252 Resp: 2501591

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

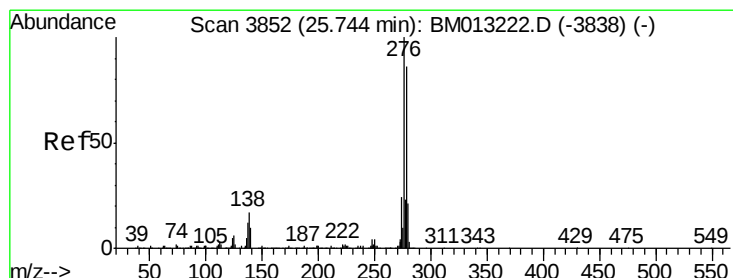
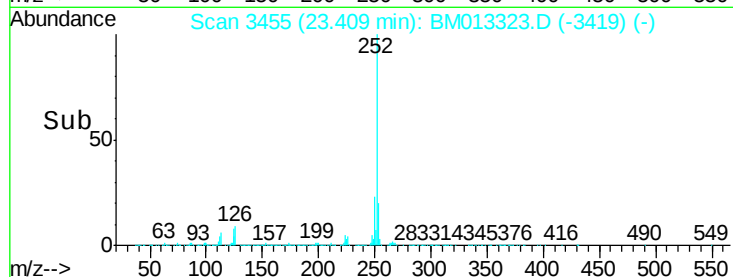
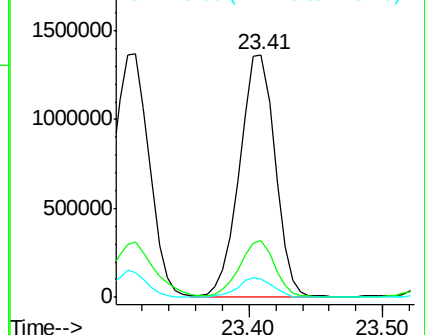
125 7.6 4.0 6.0#



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: 22.777 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. 0.02 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

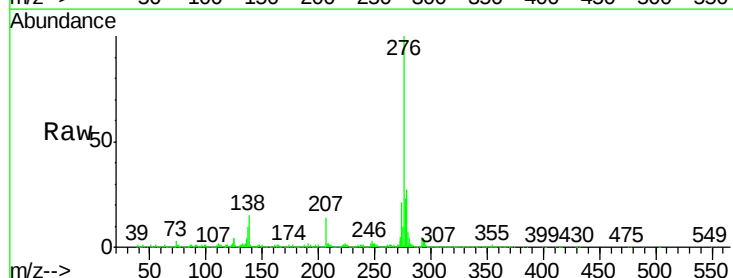
Tgt Ion:276 Resp: 1638197

Ion Ratio Lower Upper

276 100

138 14.7 9.3 13.9#

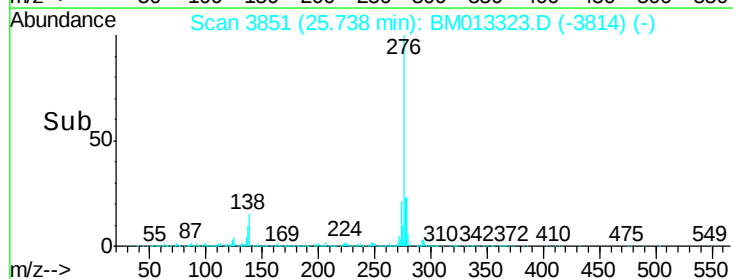
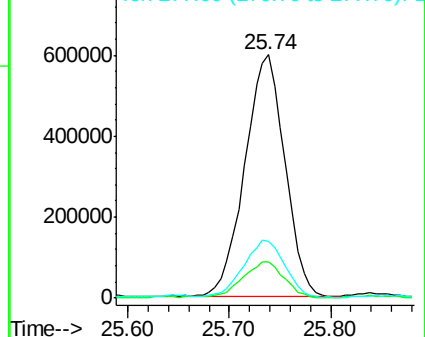
277 23.3 19.9 29.9

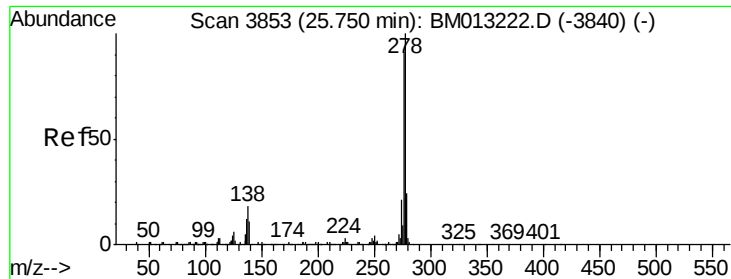


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.055 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. -0.00 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

Instrument :

BNA_M

ClientSampleId :

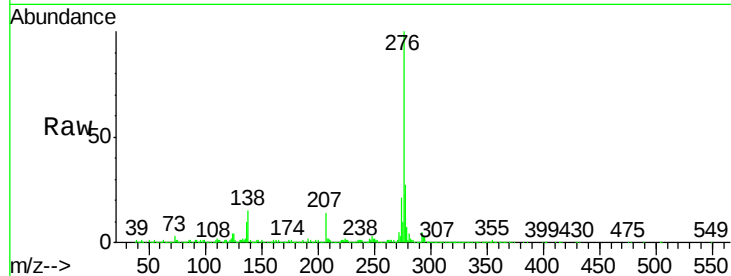
Tot Ion:278 Resp: 493310

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

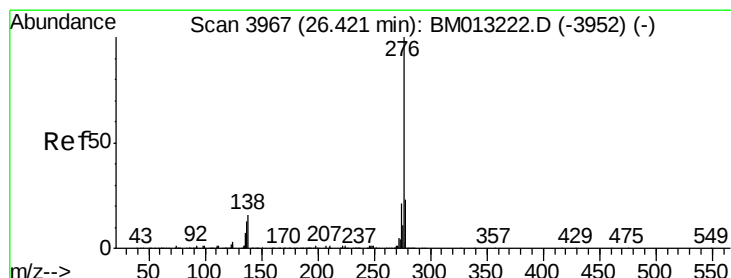
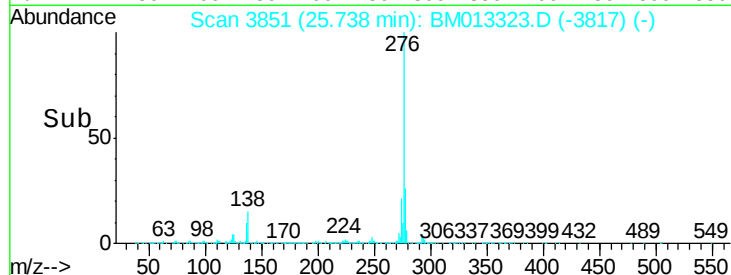
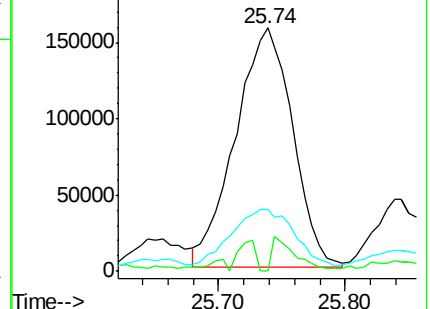
279 25.4 18.6 27.8



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: 21.113 ng/ul

RT: 26.42 min Scan# 3967

Delta R.T. 0.01 min

Lab File: BM013323.D

Acq: 12 Dec 2017 02:32

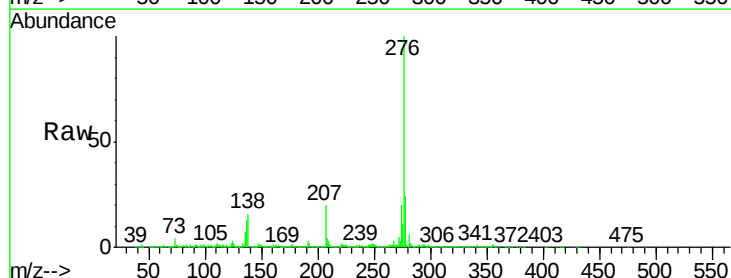
Tgt Ion:276 Resp: 1197795

Ion Ratio Lower Upper

276 100

138 16.2 8.5 12.7#

277 23.5 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

