

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012092.D
 Acq On : 12 Oct 2017 05:27
 Operator : SJ/JU
 Sample : I5649-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 06:44:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	284885	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1122352	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	623969	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1339291	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1485918	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1621921	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	24688	4.10	ng/uL	0.00
5) Phenol-d5	7.00	99	419816	17.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	347541	23.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	453853	23.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	404110	19.07	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	225091	28.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	245303	27.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	424013	23.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	405260	20.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1407908	26.03	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1815484	28.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	61716	6.53	ng/ul	0.01
57) Fluorene-d10	15.48	176	1237434	25.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	45090	5.00	ng/ul	0.00
70) Anthracene-d10	17.33	188	1922417	29.13	ng/ul	0.00
76) Pyrene-d10	19.63	212	2145508	32.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	2306282	29.56	ng/ul	0.00

Target Compounds

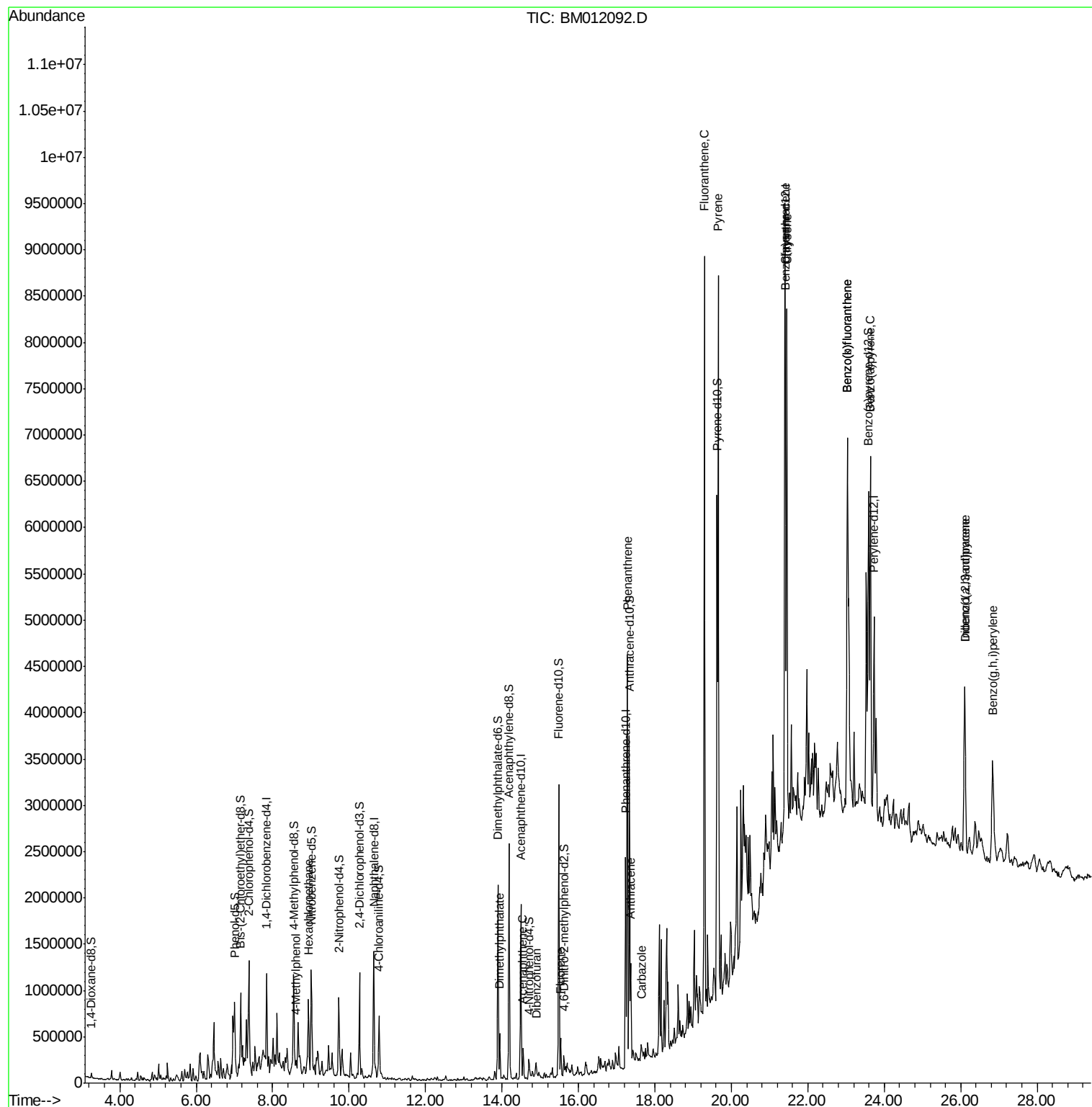
					Ovalue	
16) 4-Methylphenol	8.60	108	21063	1.020	ng/ul	83
17) Hexachloroethane	8.95	117	54615	7.084	ng/ul#	1
44) Dimethylphthalate	13.94	163	293277	5.637	ng/ul	99
49) Acenaphthene	14.56	153	133853	3.139	ng/ul	98
53) Dibenzofuran	14.89	168	68177	1.102	ng/ul	99
58) Fluorene	15.54	166	167676	3.245	ng/ul	100
69) Phenanthrene	17.28	178	2640391	35.841	ng/ul	99
71) Anthracene	17.37	178	616066	8.219	ng/ul	98
72) Carbazole	17.64	167	81946	1.262	ng/ul#	94
74) Fluoranthene	19.29	202	4800496	53.407	ng/ul#	90
77) Pyrene	19.66	202	4554413	55.278	ng/ul#	89
80) Benzo(a)anthracene	21.40	228	3148400	36.986	ng/ul	97
82) Chrysene	21.45	228	2929601	36.221	ng/ul	96
85) Benzo(b)fluoranthene	23.03	252	3550781	36.017	ng/ul#	97
86) Benzo(k)fluoranthene	23.03	252	3550781	36.077	ng/ul#	95
88) Benzo(a)pyrene	23.64	252	2813122	29.696	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.11	276	1709834	16.867	ng/ul#	94
90) Dibenzo(a,h)anthracene	26.10	278	478921	5.750	ng/ul#	84
91) Benzo(g,h,i)perylene	26.84	276	1434105	17.102	ng/ul#	91

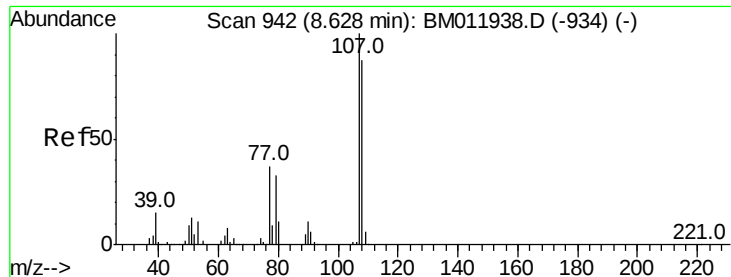
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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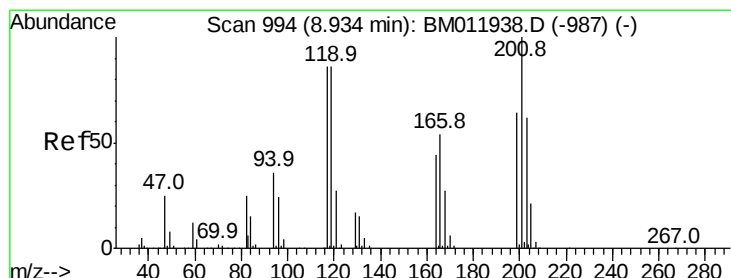
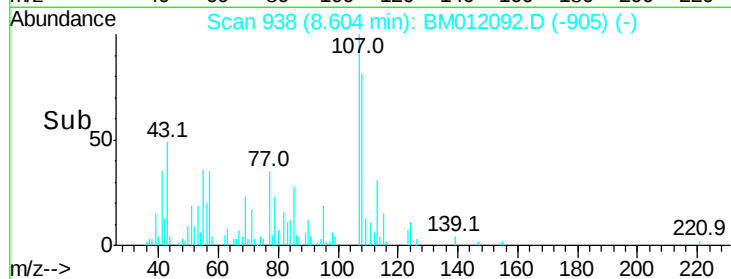
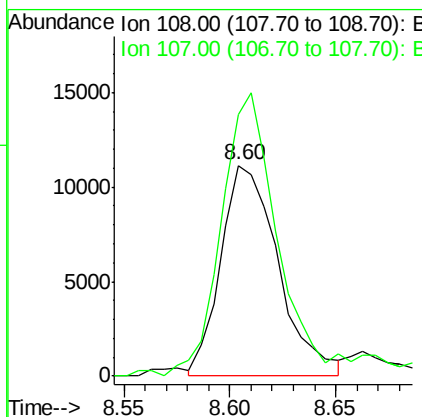
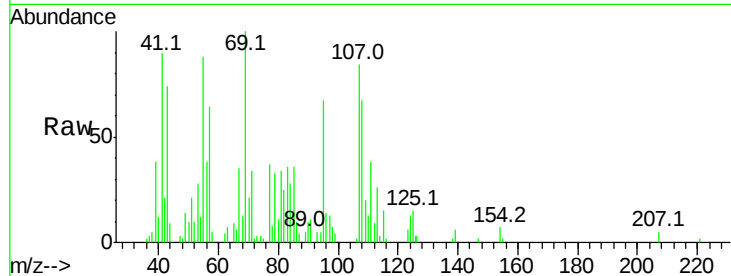




#16
4-Methylphenol
Concen: 1.020 ng/ul
RT: 8.60 min Scan# 938
Delta R.T. -0.01 min
Lab File: BM012092.D
Acq: 12 Oct 2017 05:27

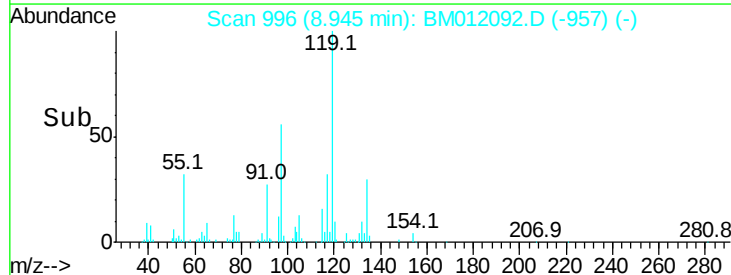
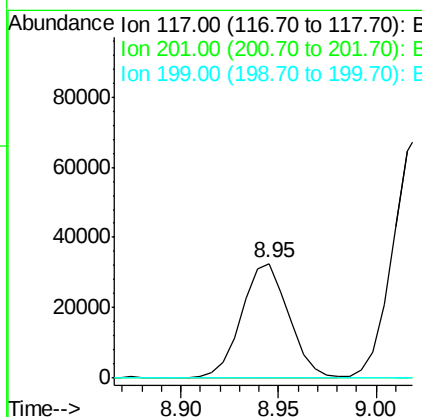
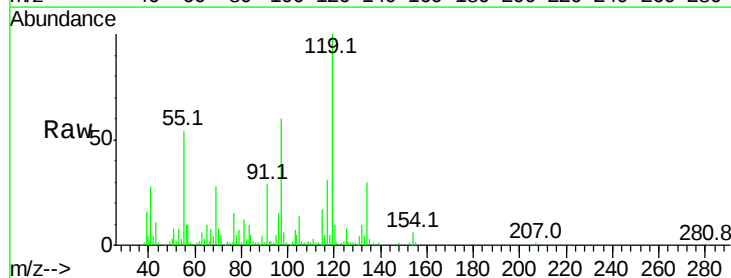
Instrument :
BNA_M
ClientSampleId :

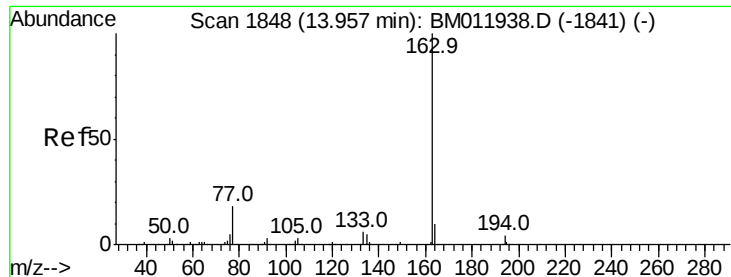
Tot Ion:108 Resp: 21063
Ion Ratio Lower Upper
108 100
107 124.1 84.9 127.3



#17
Hexachloroethane
Concen: 7.084 ng/ul
RT: 8.95 min Scan# 996
Delta R.T. 0.03 min
Lab File: BM012092.D
Acq: 12 Oct 2017 05:27

Tgt Ion:117 Resp: 54615
Ion Ratio Lower Upper
117 100
201 0.0 111.6 167.4#
199 0.0 67.8 101.6#

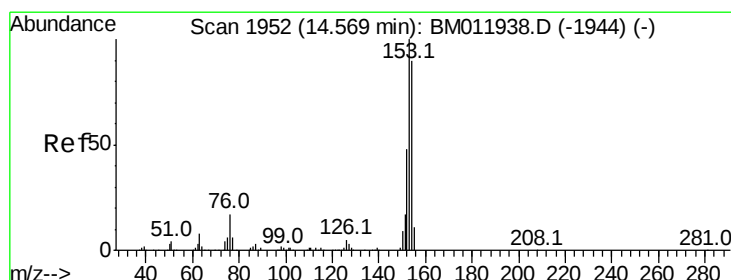
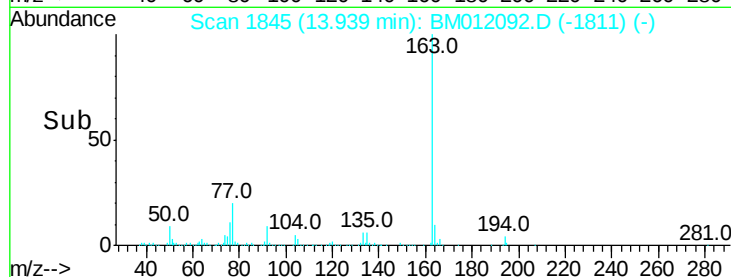
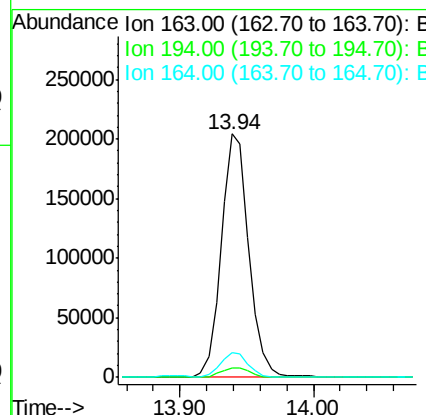
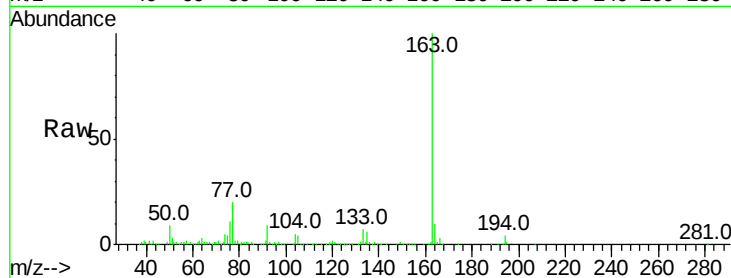




#44
Dimethylphthalate
Concen: 5.637 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BM012092.D
Acq: 12 Oct 2017 05:27

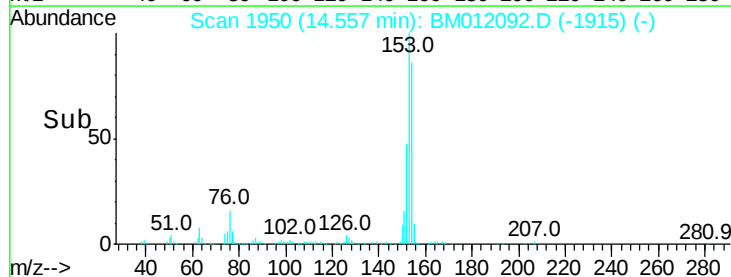
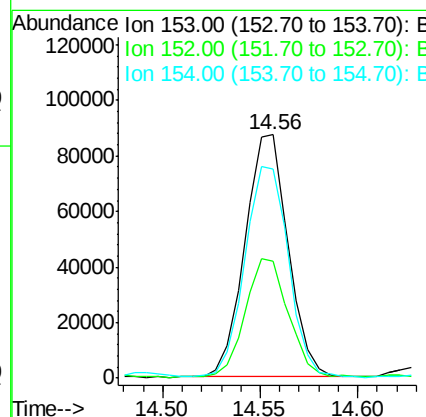
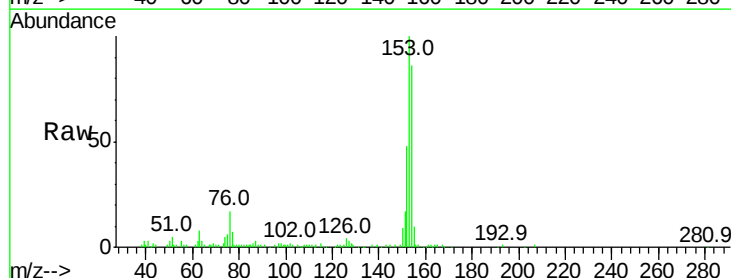
Instrument :
BNA_M
ClientSampleId :

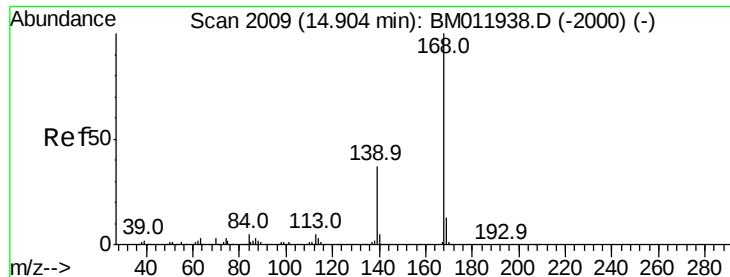
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.9	8.2	12.4



#49
Acenaphthene
Concen: 3.139 ng/ul
RT: 14.56 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BM012092.D
Acq: 12 Oct 2017 05:27

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.6	56.4
154	85.6	70.4	105.6





#53

Dibenzenofuran

Concen: 1.102 ng/ul

RT: 14.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

Instrument :

BNA_M

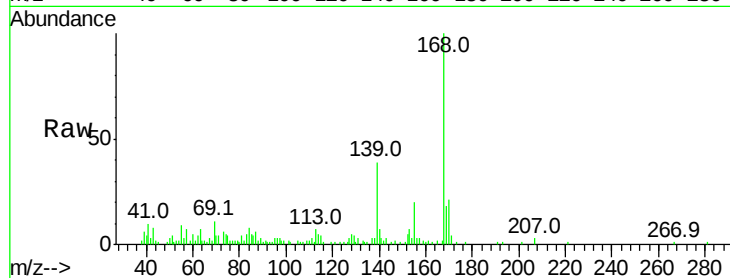
ClientSampleId :

Tot Ion:168 Resp: 68177

Ion Ratio Lower Upper

168 100

139 39.4 30.8 46.2

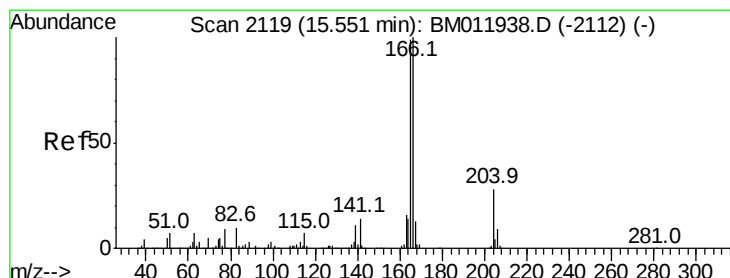
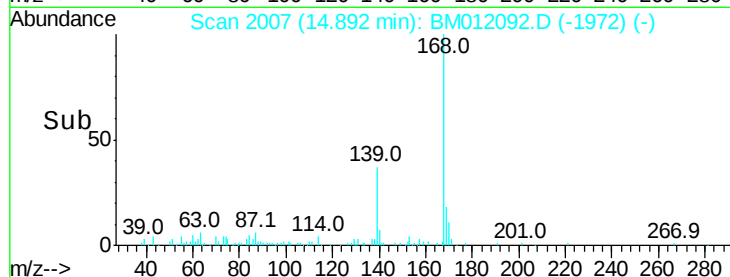


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.89

Time--> 14.80 14.85 14.90 14.95



#58

Fluorene

Concen: 3.245 ng/ul

RT: 15.54 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

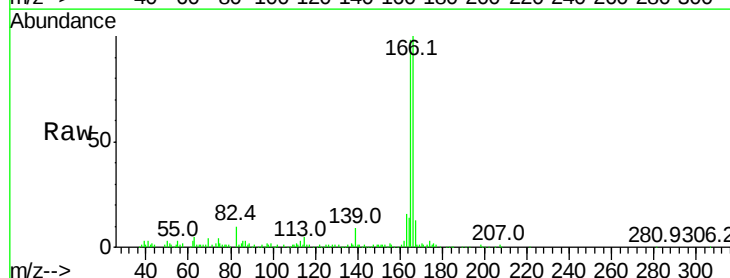
Tgt Ion:166 Resp: 167676

Ion Ratio Lower Upper

166 100

165 97.8 77.9 116.9

167 13.1 10.6 16.0



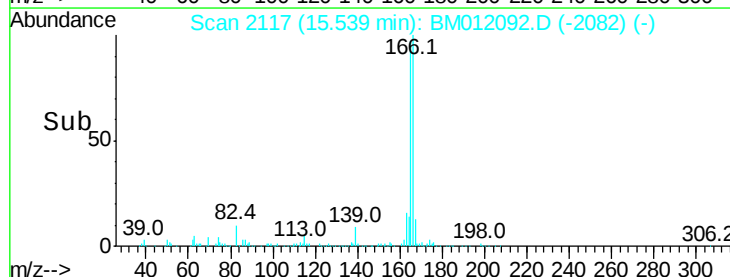
Abundance Ion 166.00 (165.70 to 166.70): E

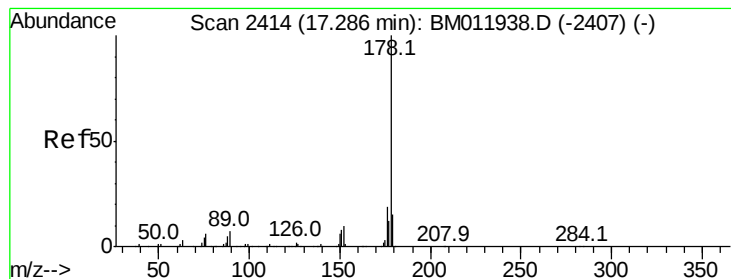
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.54

Time--> 15.50 15.55 15.60





#69

Phenanthrene

Concen: 35.841 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

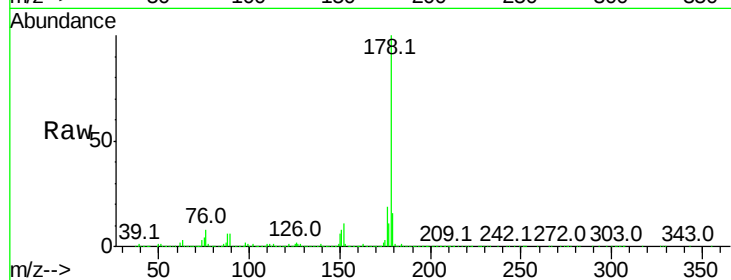
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 2640391

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.2	14.9	22.3

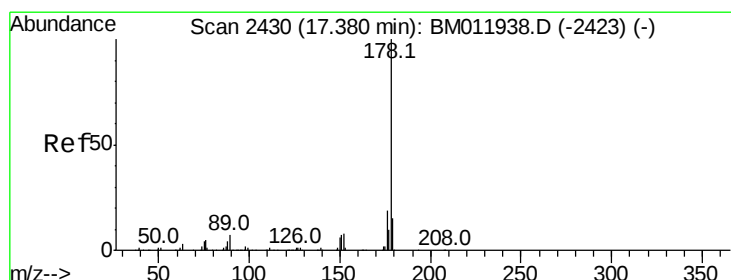
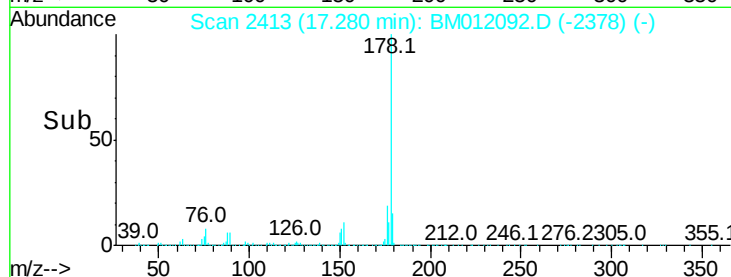
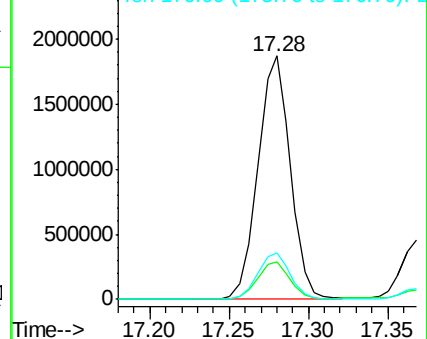


Abundance

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: 8.219 ng/ul

RT: 17.37 min Scan# 2428

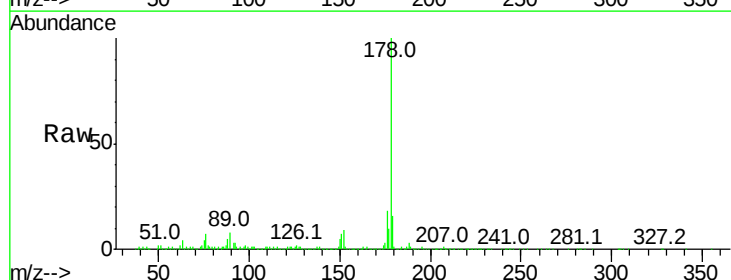
Delta R.T. -0.00 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

Tgt Ion:178 Resp: 616066

Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.7	17.5
176	18.5	14.6	21.8

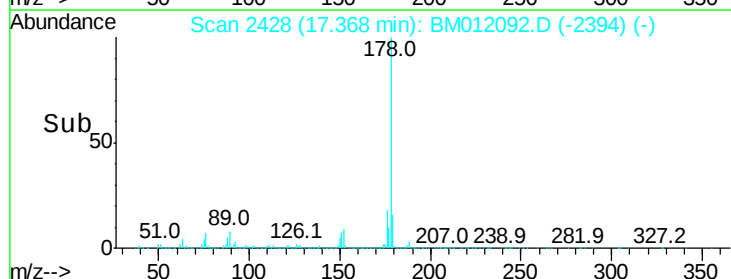
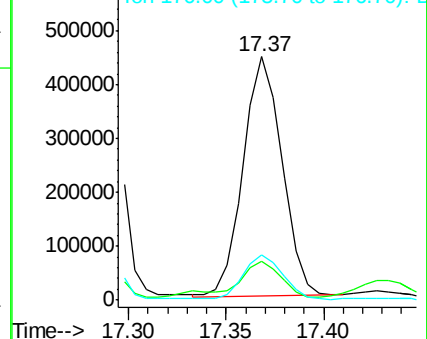


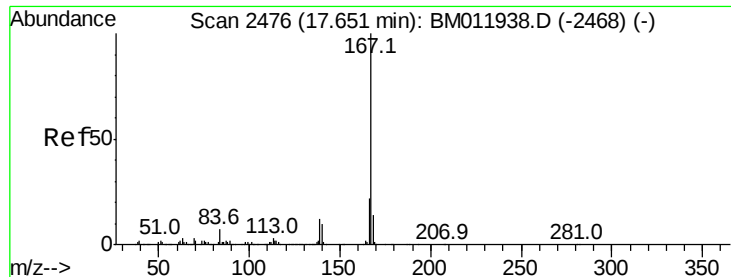
Abundance

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

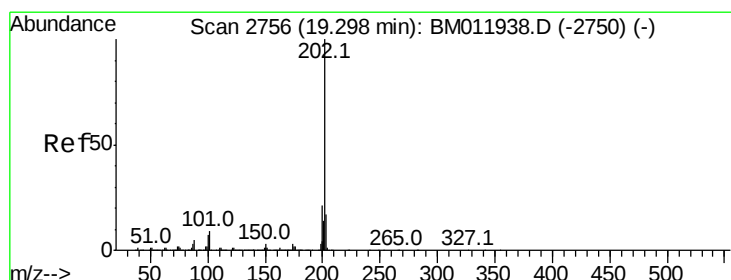
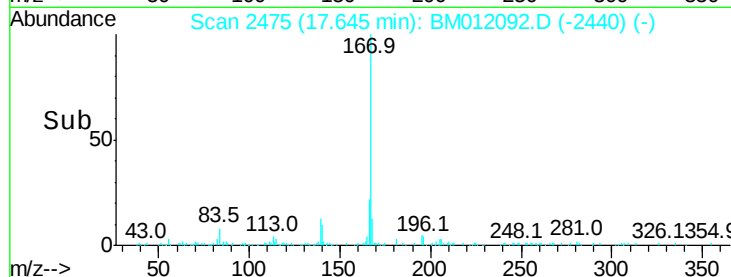
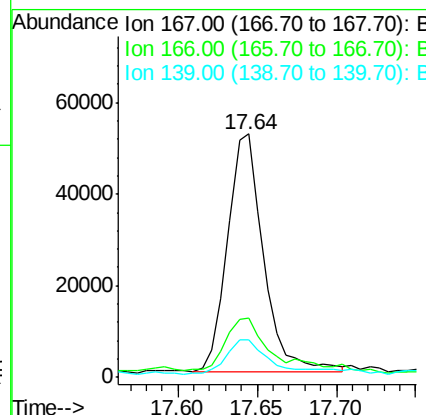
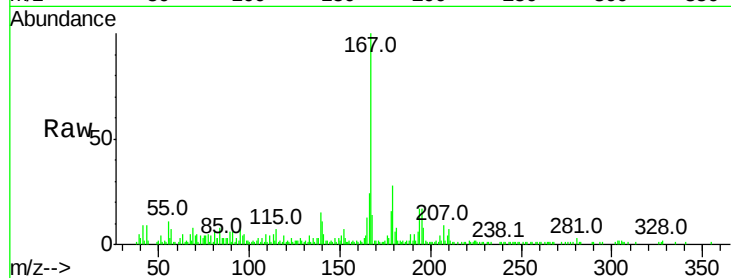




#72
 Carbazole
 Concen: 1.262 ng/ul
 RT: 17.64 min Scan# 2475
 Delta R.T. 0.01 min
 Lab File: BM012092.D
 Acq: 12 Oct 2017 05:27

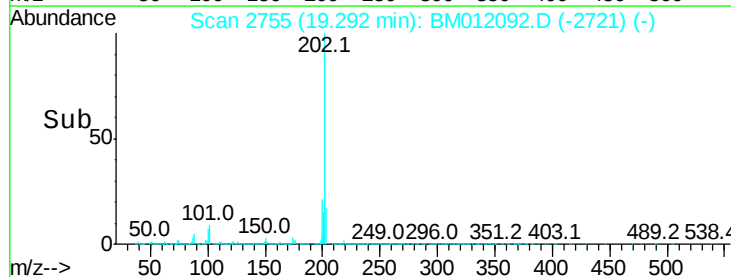
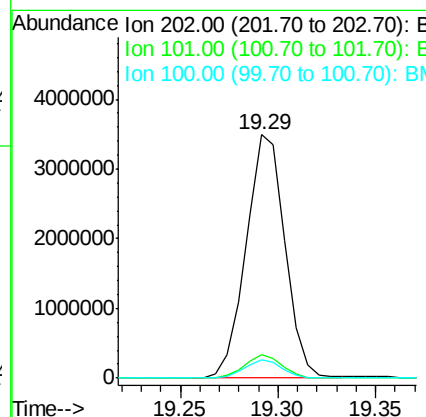
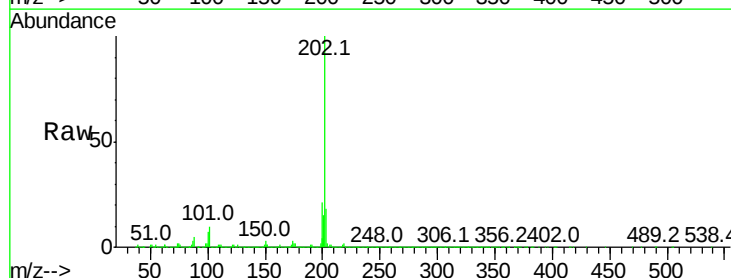
Instrument :
 BNA_M
 ClientSampleId :

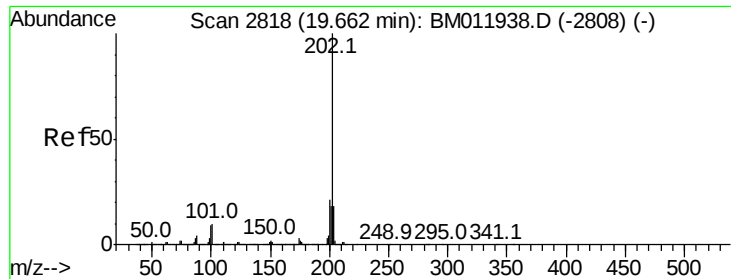
Tot Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.1	25.7
139	15.4	10.0	15.0#



#74
 Fluoranthene
 Concen: 53.407 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. -0.00 min
 Lab File: BM012092.D
 Acq: 12 Oct 2017 05:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	4.6	7.0#
100	7.4	3.4	5.2#

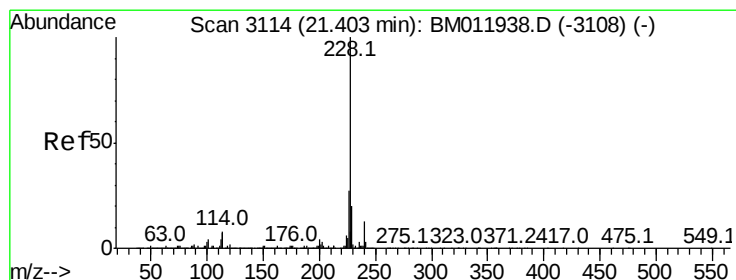
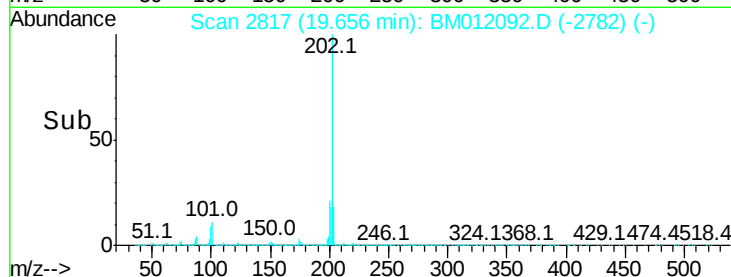
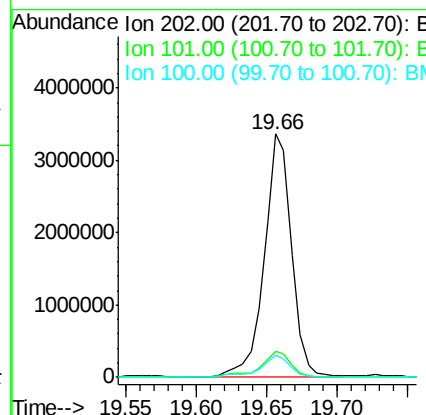
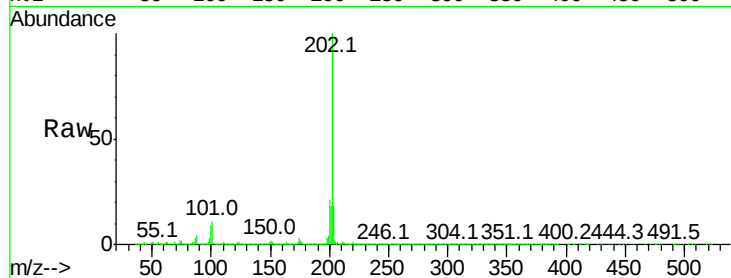




#77
 Pvrene
 Concen: 55.278 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.01 min
 Lab File: BM012092.D
 Acq: 12 Oct 2017 05:27

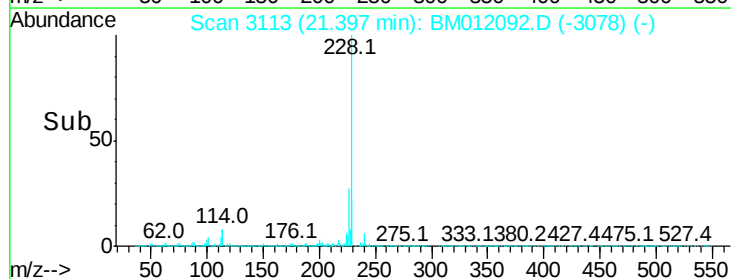
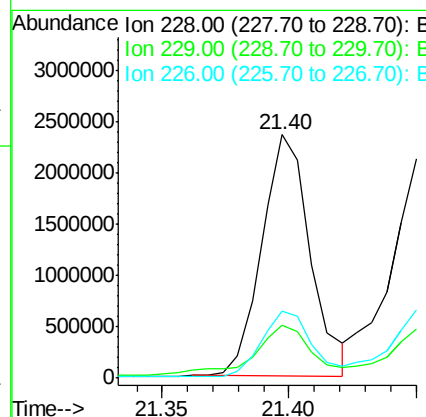
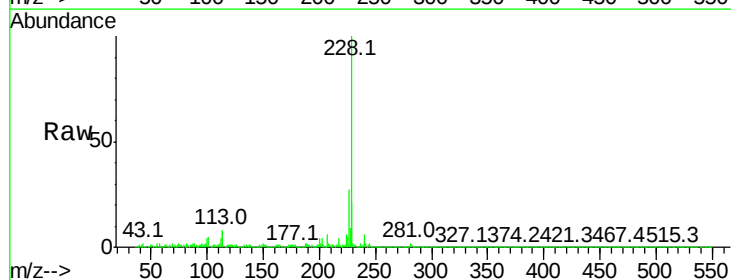
Instrument :
 BNA_M
 ClientSampleId :

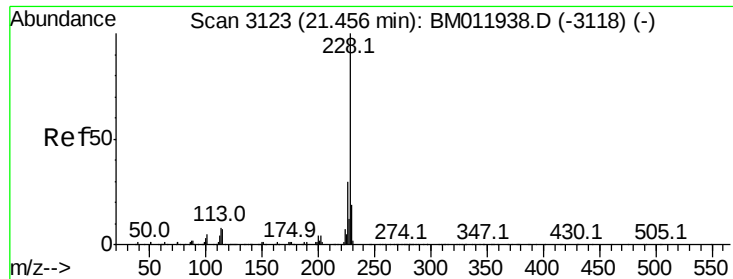
Tot Ion:202 Resp: 4554413
 Ion Ratio Lower Upper
 202 100
 101 10.9 5.1 7.7#
 100 9.2 4.9 7.3#



#80
 Benzo(a)anthracene
 Concen: 36.986 ng/ul
 RT: 21.40 min Scan# 3113
 Delta R.T. 0.01 min
 Lab File: BM012092.D
 Acq: 12 Oct 2017 05:27

Tgt Ion:228 Resp: 3148400
 Ion Ratio Lower Upper
 228 100
 229 21.5 15.4 23.0
 226 27.3 21.4 32.0





#82

Chrysene

Concen: 36.221 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.01 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

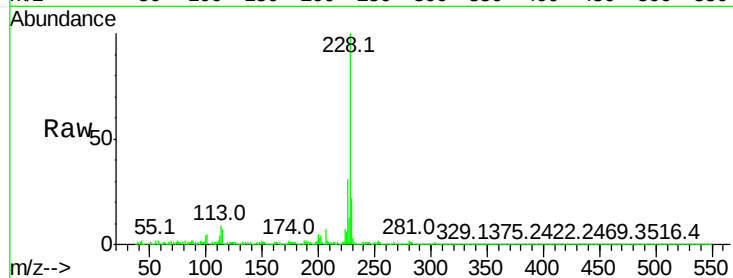
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2929601

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	22.1	15.5	23.3

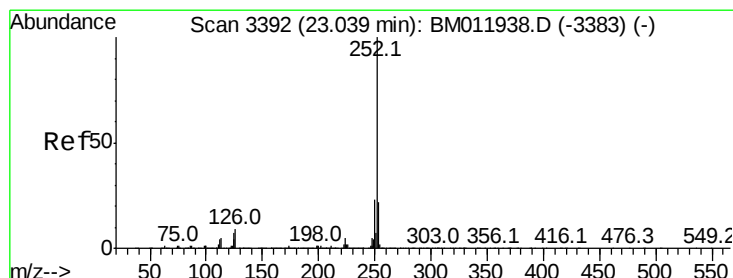
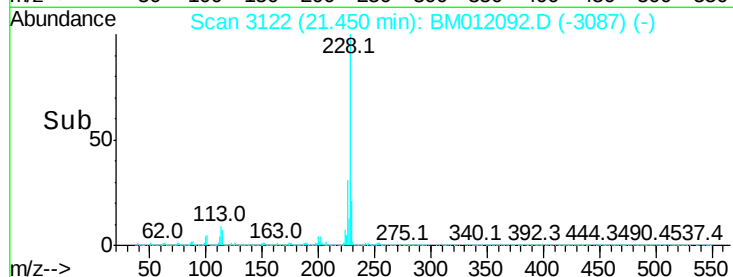
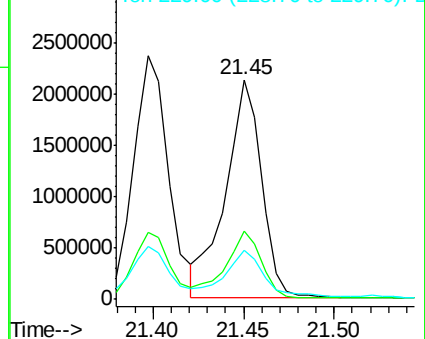


Abundance

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: 36.017 ng/ul

RT: 23.03 min Scan# 3391

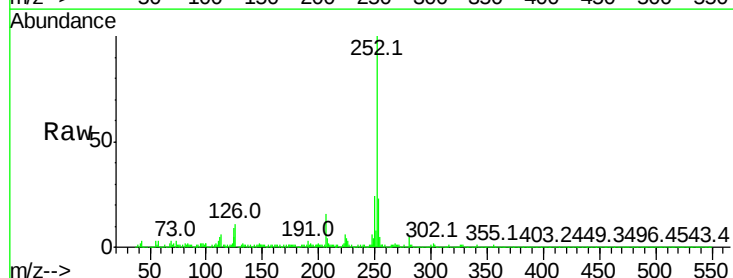
Delta R.T. 0.01 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

Tgt Ion:252 Resp: 3550781

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	9.0	3.6	5.4

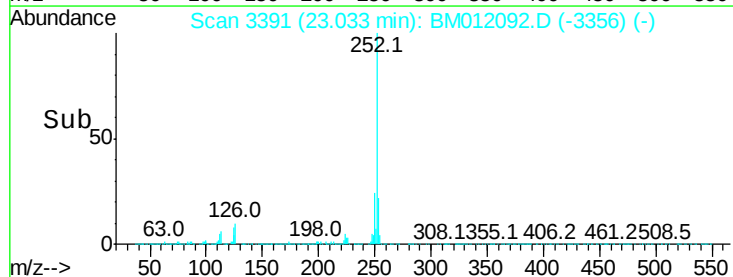
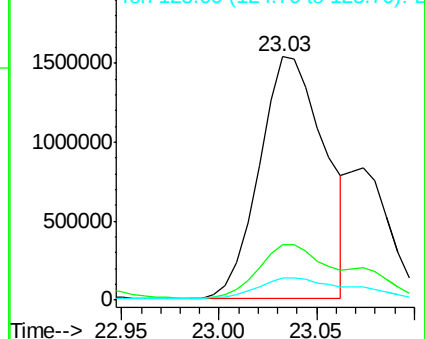


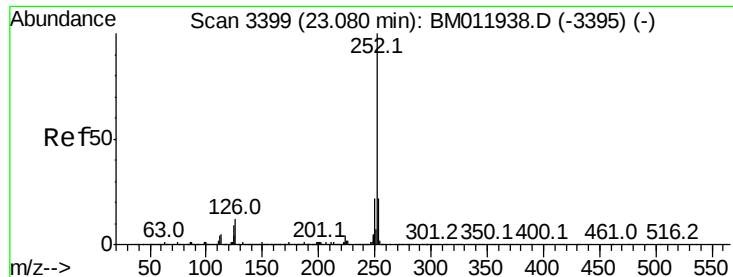
Abundance

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: 36.077 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. -0.04 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

Instrument :

BNA_M

ClientSampleId :

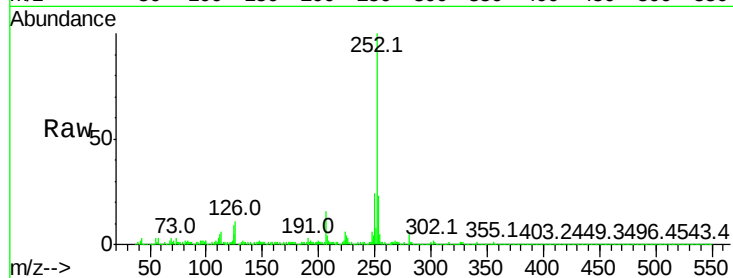
Tot Ion:252 Resp: 3550781

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

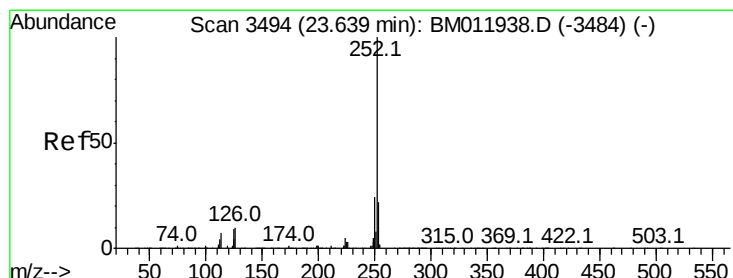
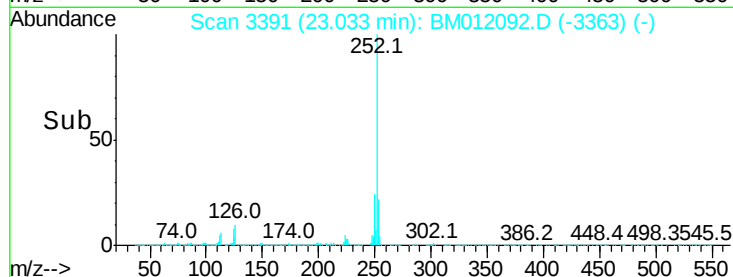
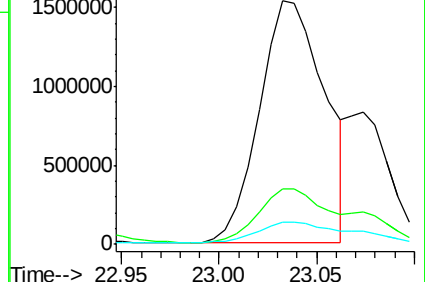
125 9.0 3.4 5.2#



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: 29.696 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

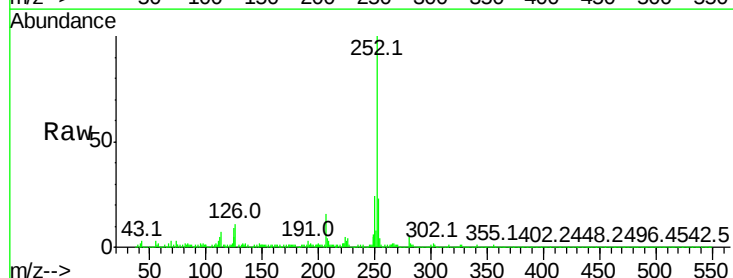
Tgt Ion:252 Resp: 2813122

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

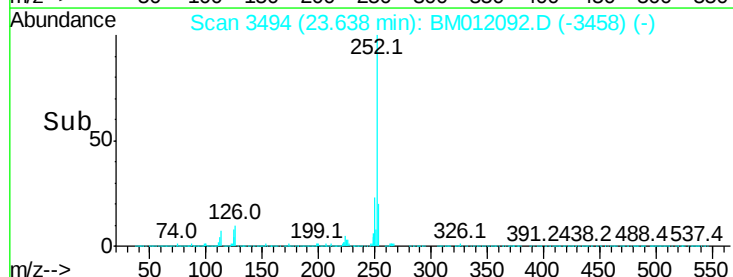
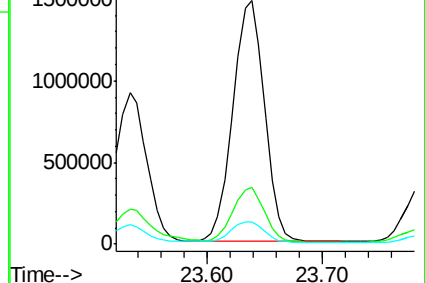
125 9.0 4.0 6.0#

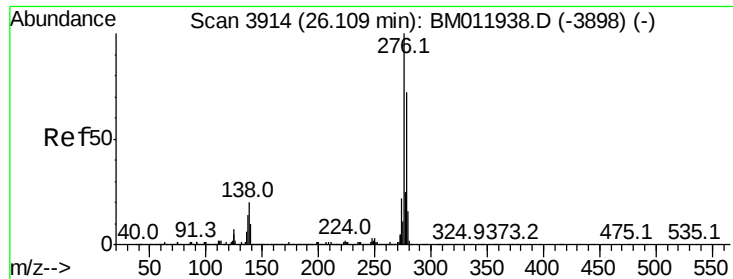


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



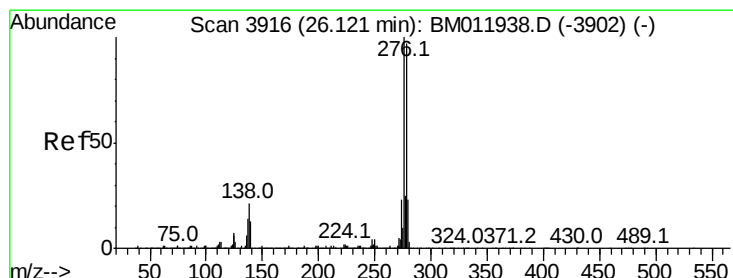
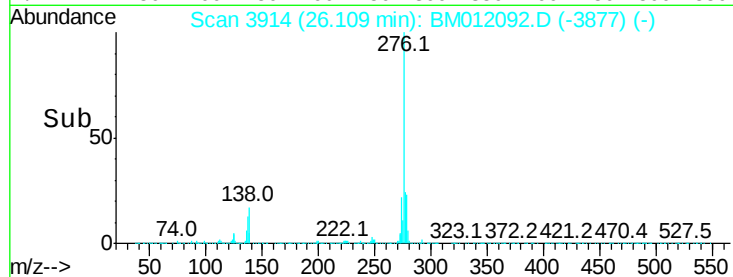
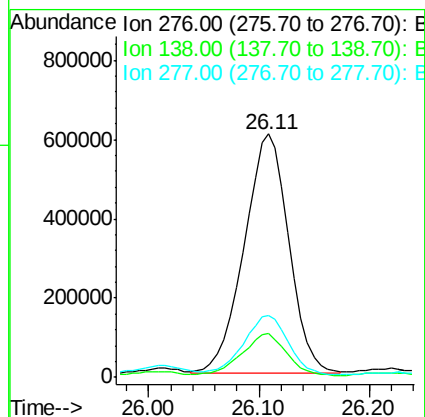
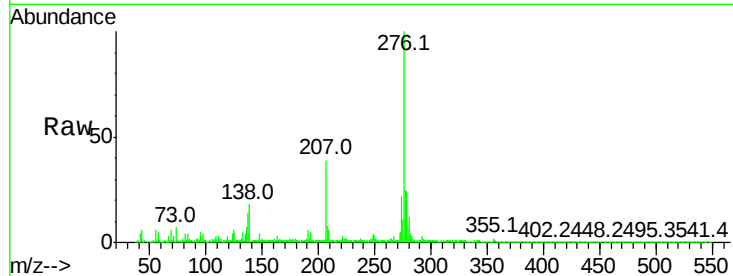


#89

Indeno(1,2,3-cd)pyrene
Concen: 16.867 ng/ul
RT: 26.11 min Scan# 3914
Delta R.T. 0.02 min
Lab File: BM012092.D
Acq: 12 Oct 2017 05:27

Instrument :
BNA_M
ClientSampleId :

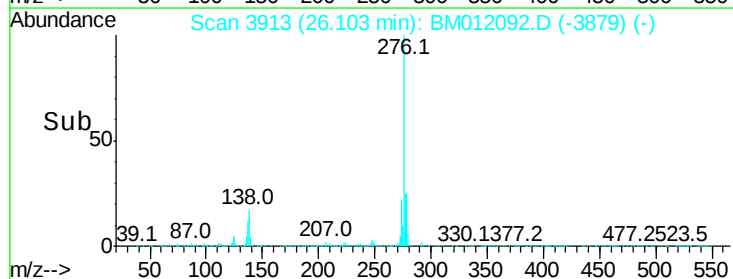
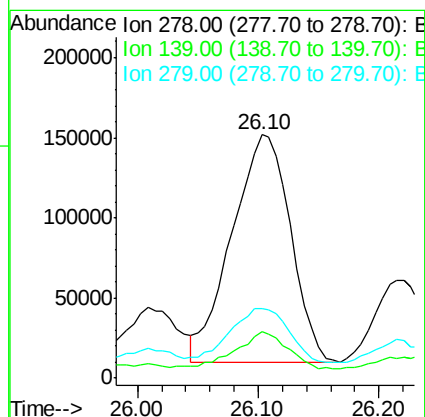
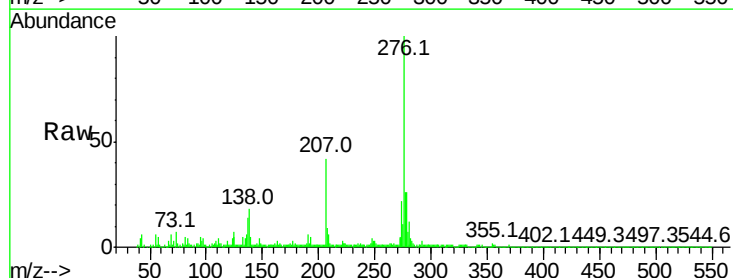
Tot Ion:276 Resp: 1709834
Ion Ratio Lower Upper
276 100
138 17.9 9.3 13.9#
277 25.2 19.9 29.9

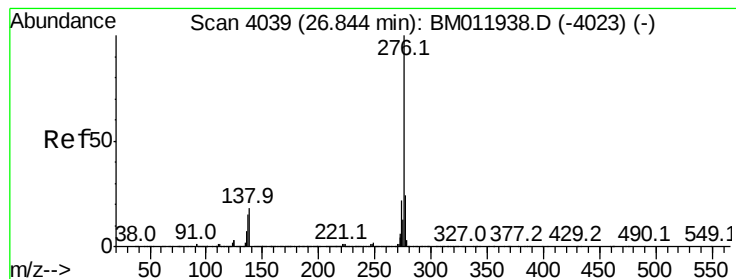


#90

Dibenzo(a,h)anthracene
Concen: 5.750 ng/ul
RT: 26.10 min Scan# 3913
Delta R.T. -0.00 min
Lab File: BM012092.D
Acq: 12 Oct 2017 05:27

Tgt Ion:278 Resp: 478921
Ion Ratio Lower Upper
278 100
139 18.9 5.8 8.8#
279 28.3 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 17.102 ng/ul

RT: 26.84 min Scan# 4038

Delta R.T. 0.02 min

Lab File: BM012092.D

Acq: 12 Oct 2017 05:27

Instrument :

BNA_M

ClientSampleId :

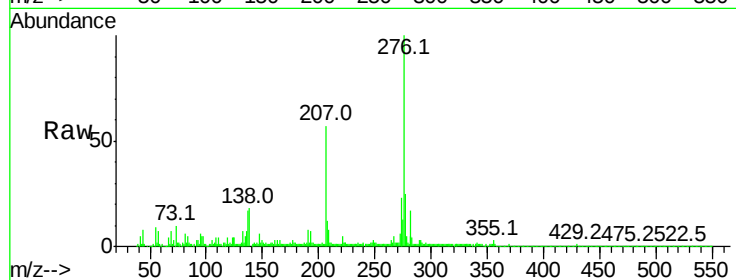
Tot Ion:276 Resp: 1434105

Ion	Ratio	Lower	Upper
276	100		
138	18.2	8.5	12.7#
277	25.3	18.6	28.0

276 100

138 18.2 8.5 12.7#

277 25.3 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

