

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
 Data File : BM012036.D
 Acq On : 10 Oct 2017 05:17
 Operator : SJ/JU
 Sample : I5533-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-54(7-8)-092817

Quant Time: Oct 10 07:37:05 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 02:27:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	270639	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1194292	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	728167	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1716049	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2093245	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1951472	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	21063	3.68	ng/uL	0.00
5) Phenol-d5	7.00	99	409913	17.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	261968	19.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	373348	19.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	369388	18.35	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	172733	20.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	196487	20.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	381125	19.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	353218	16.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1302857	20.64	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1570006	21.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	114574	10.39	ng/ul	0.00
57) Fluorene-d10	15.49	176	1156251	20.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	104653	9.06	ng/ul	0.00
70) Anthracene-d10	17.33	188	1879164	22.22	ng/ul	0.00
76) Pyrene-d10	19.63	212	2248177	23.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	2079948	22.16	ng/ul	0.00

Target Compounds

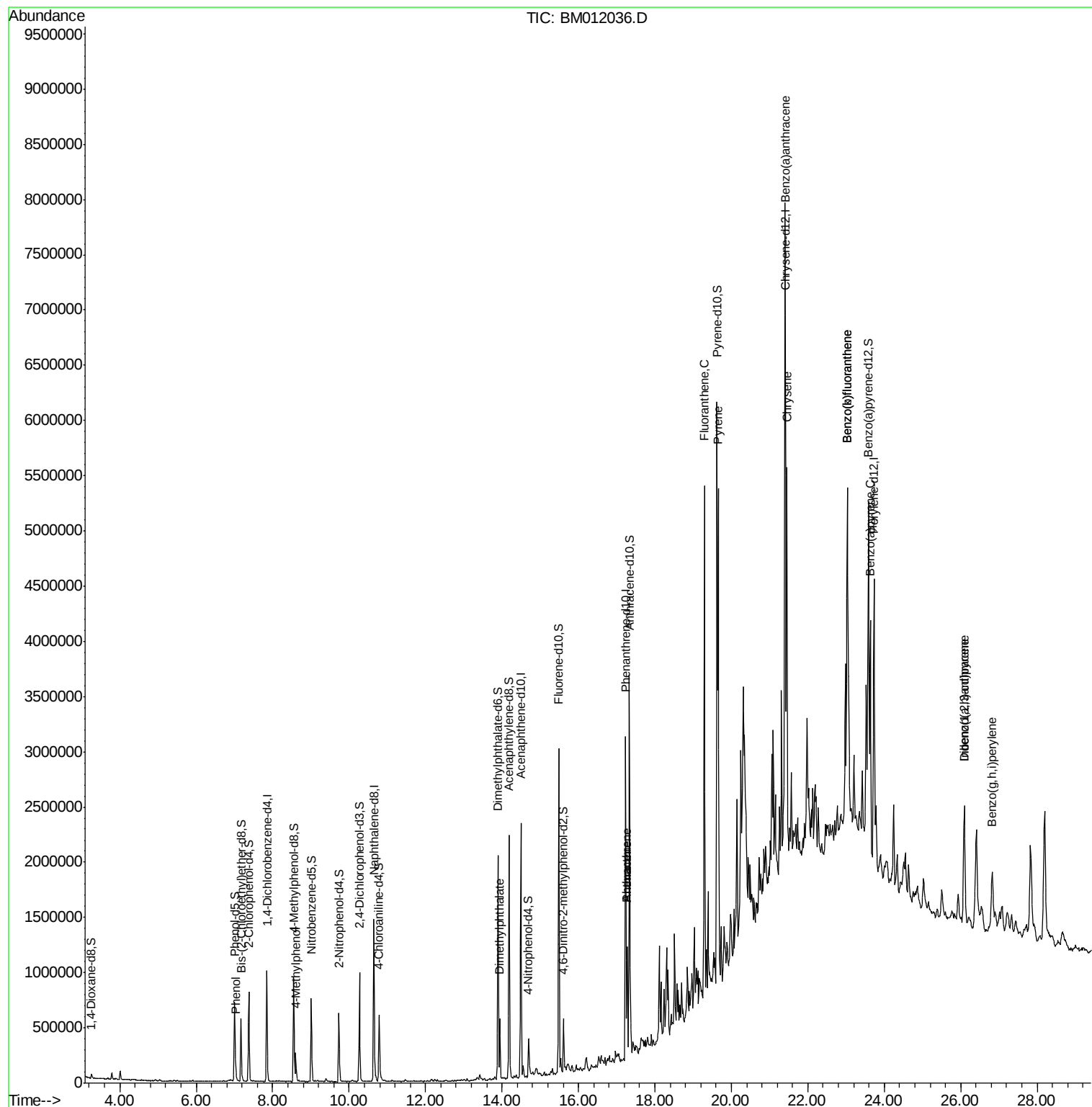
					Ovalue	
6) Phenol	7.03	94	55430	2.406	ng/ul#	84
16) 4-Methylphenol	8.60	108	92319	4.707	ng/ul#	78
44) Dimethylphthalate	13.95	163	325029	5.353	ng/ul	98
69) Phenanthrene	17.27	178	594703	6.300	ng/ul	100
71) Anthracene	17.27	178	594703	6.192	ng/ul	98
74) Fluoranthene	19.29	202	2570751	22.321	ng/ul#	90
77) Pyrene	19.66	202	2690186	23.178	ng/ul#	89
80) Benzo(a)anthracene	21.40	228	2083470	17.374	ng/ul	97
82) Chrysene	21.45	228	1862341	16.345	ng/ul	98
85) Benzo(b)fluoranthene	23.03	252	2090899	17.627	ng/ul#	95
86) Benzo(k)fluoranthene	23.03	252	2090899	17.656	ng/ul#	94
88) Benzo(a)pyrene	23.63	252	1516712	13.307	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.10	276	739371	6.062	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.09	278	211660	2.112	ng/ul#	71
91) Benzo(g,h,i)perylene	26.83	276	618839	6.134	ng/ul#	92

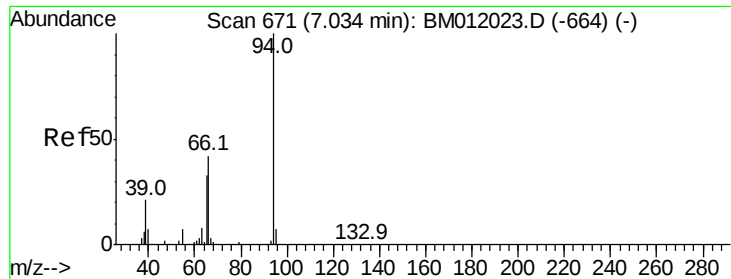
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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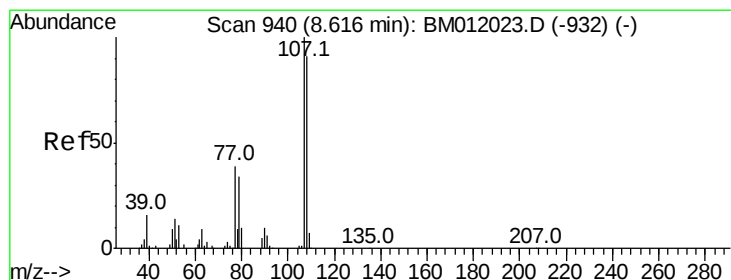
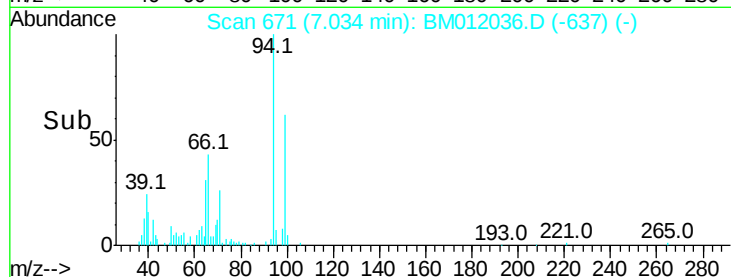
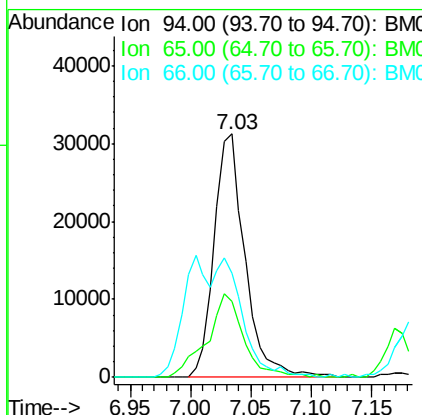
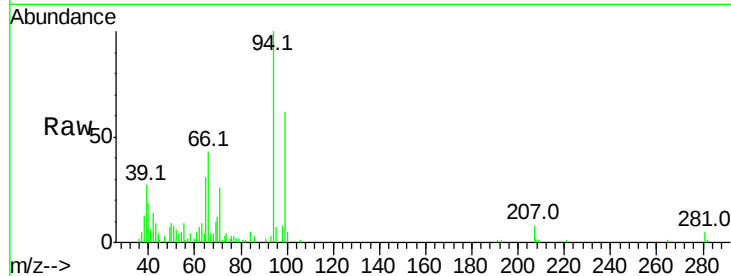
#6

Phenol

Concen: 2.406 ng/ul
 RT: 7.03 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BM012036.D
 Acq: 10 Oct 2017 05:17

Instrument :
 BNA_M
 ClientSampleId :
 B-54(7-8)-092817

Tot Ion: 94 Resp: 55430
 Ion Ratio Lower Upper
 94 100
 65 31.1 28.2 42.4
 66 43.0 47.2 70.8#

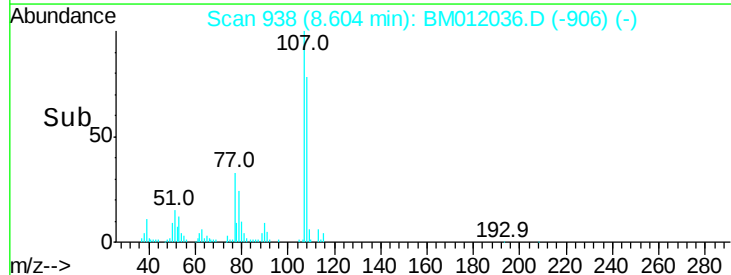
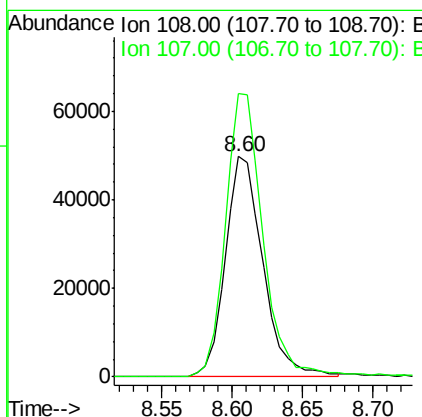
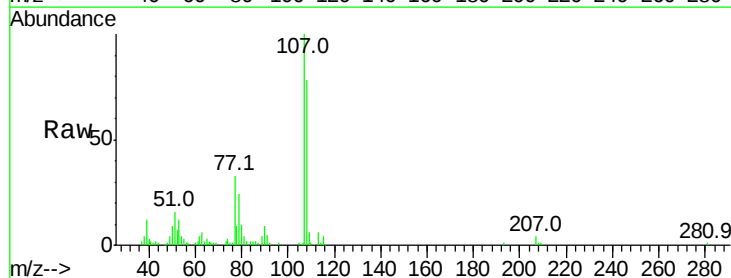


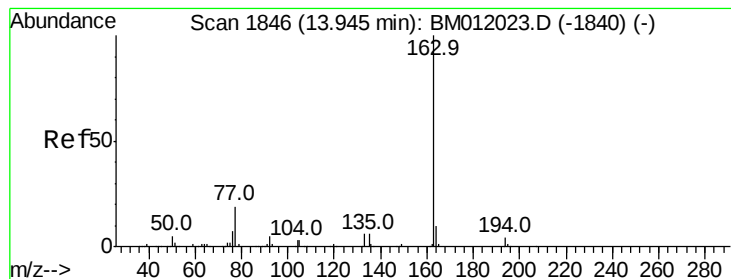
#16

4-Methylphenol

Concen: 4.707 ng/ul
 RT: 8.60 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BM012036.D
 Acq: 10 Oct 2017 05:17

Tgt Ion: 108 Resp: 92319
 Ion Ratio Lower Upper
 108 100
 107 128.5 84.9 127.3#





#44

Dimethylphthalate

Concen: 5.353 ng/ul

RT: 13.95 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

Instrument :

BNA_M

ClientSampleId :

B-54(7-8)-092817

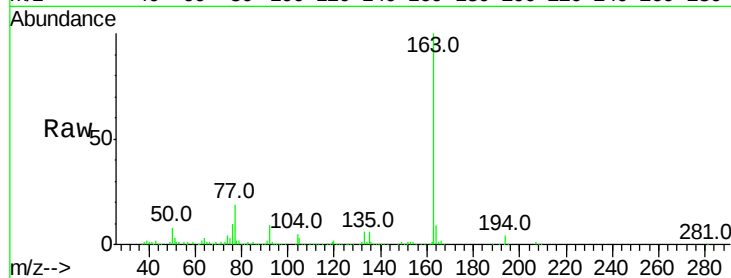
Tot Ion:163 Resp: 325029

Ion Ratio Lower Upper

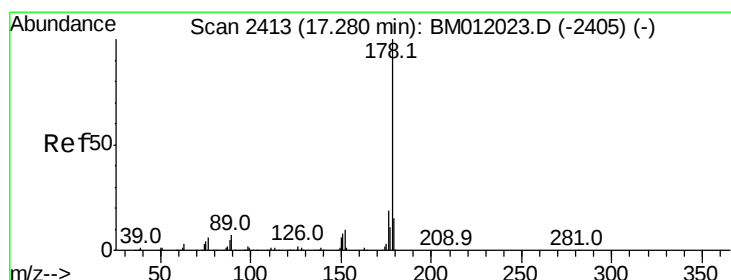
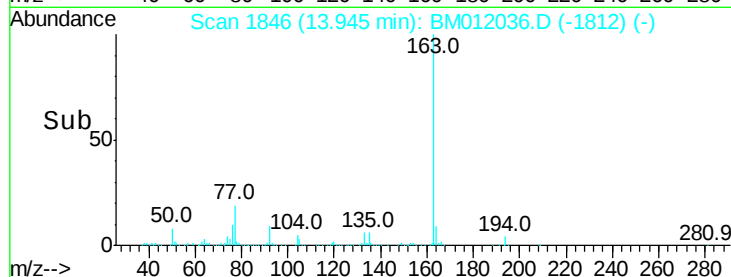
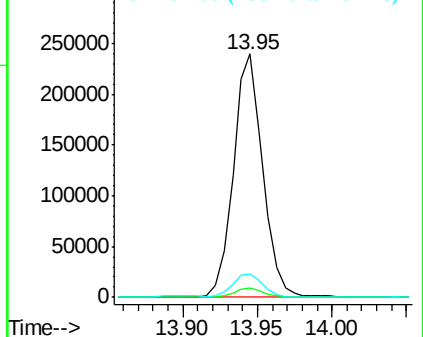
163 100

194 4.0 3.5 5.3

164 9.4 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



#69

Phenanthrene

Concen: 6.300 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

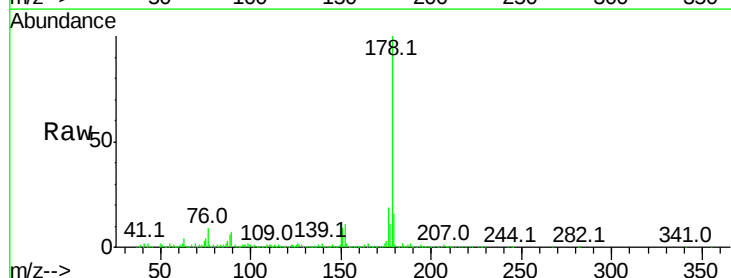
Tgt Ion:178 Resp: 594703

Ion Ratio Lower Upper

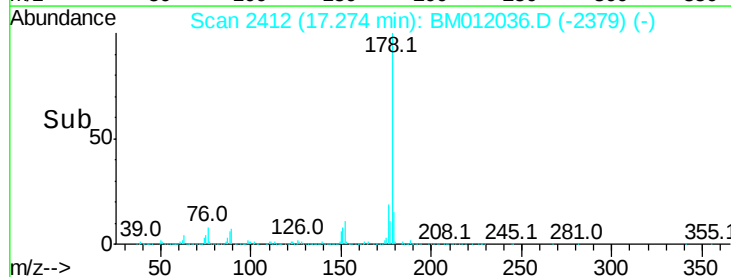
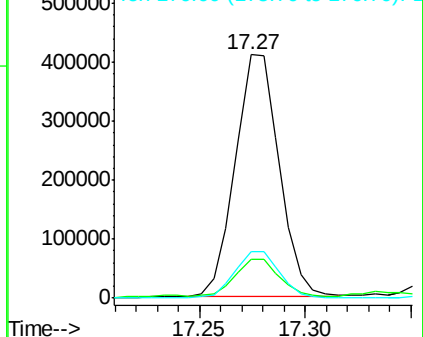
178 100

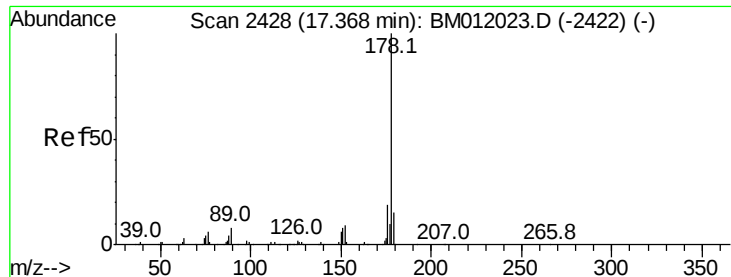
179 15.8 12.6 19.0

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

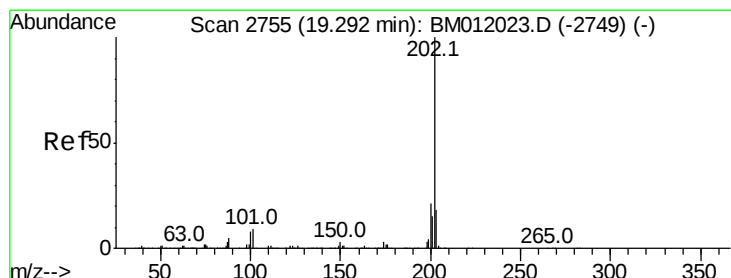
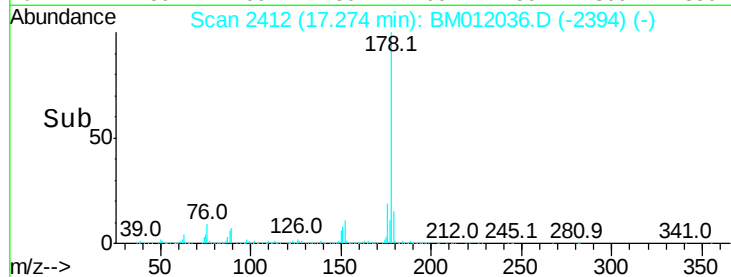
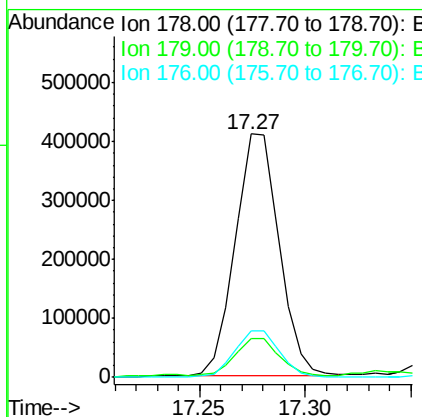
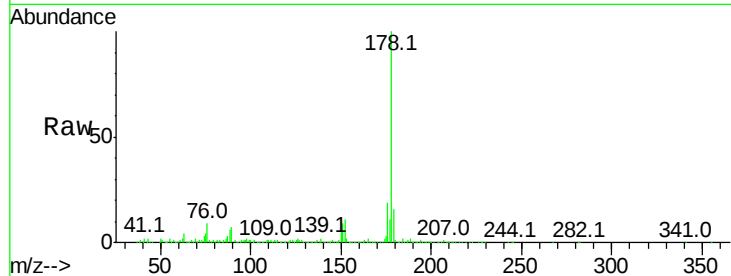




#71
 Anthracene
 Concen: 6.192 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. -0.09 min
 Lab File: BM012036.D
 Acq: 10 Oct 2017 05:17

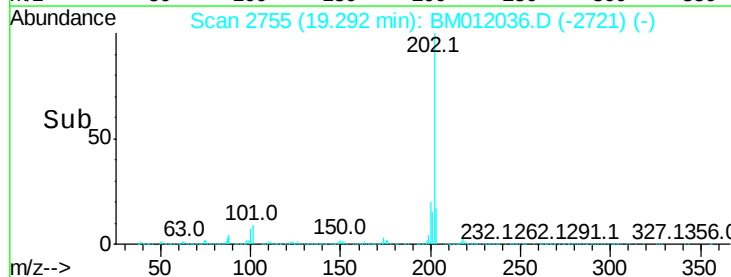
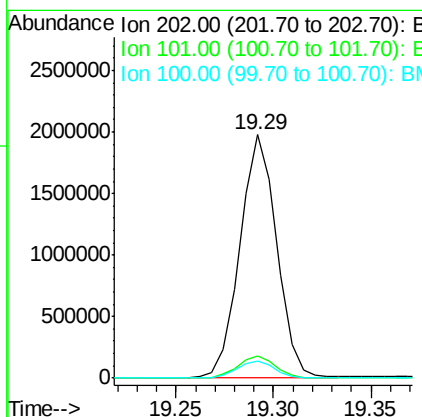
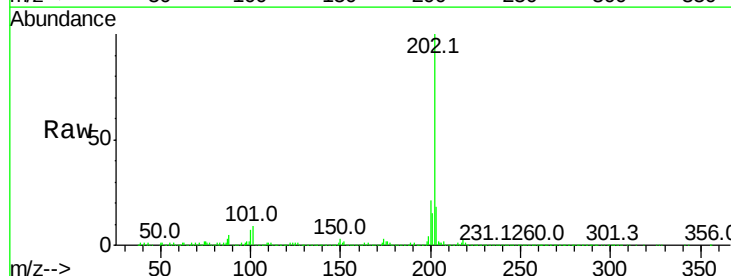
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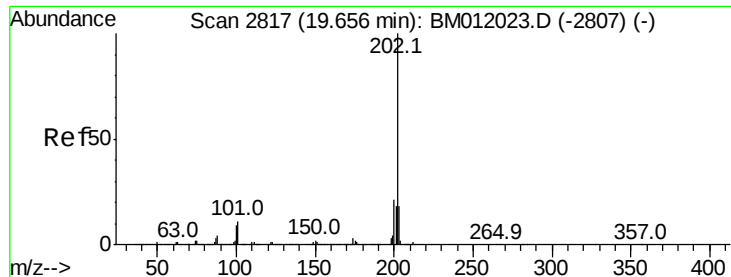
Tot Ion:178 Resp: 594703
 Ion Ratio Lower Upper
 178 100
 179 15.8 11.7 17.5
 176 18.9 14.6 21.8



#74
 Fluoranthene
 Concen: 22.321 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM012036.D
 Acq: 10 Oct 2017 05:17

Tgt Ion:202 Resp: 2570751
 Ion Ratio Lower Upper
 202 100
 101 9.2 4.6 7.0#
 100 7.2 3.4 5.2#





#77

Pvrene

Concen: 23.178 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

Instrument :

BNA_M

ClientSampleId :

B-54(7-8)-092817

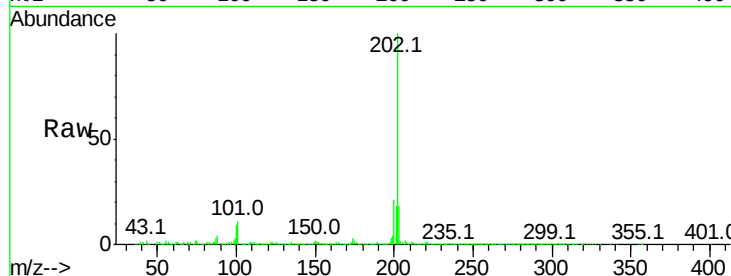
Tot Ion:202 Resp: 2690186

Ion Ratio Lower Upper

202 100

101 11.0 5.1 7.7#

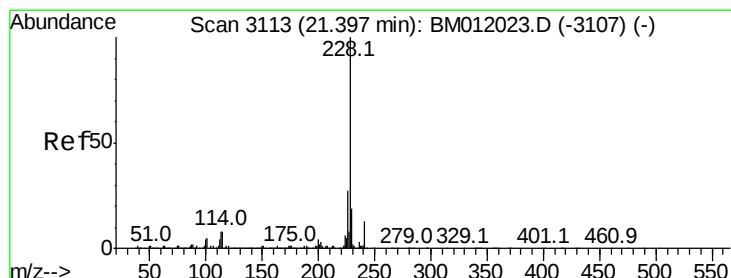
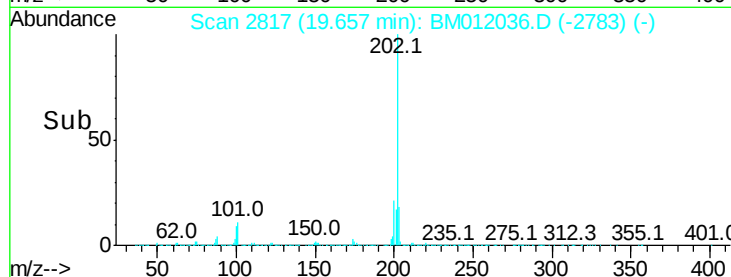
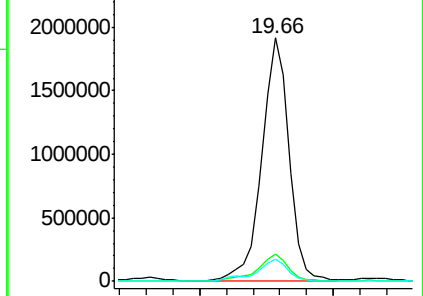
100 9.0 4.9 7.3#



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: 17.374 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

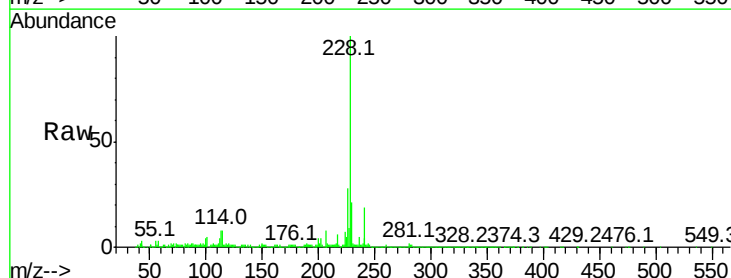
Tgt Ion:228 Resp: 2083470

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

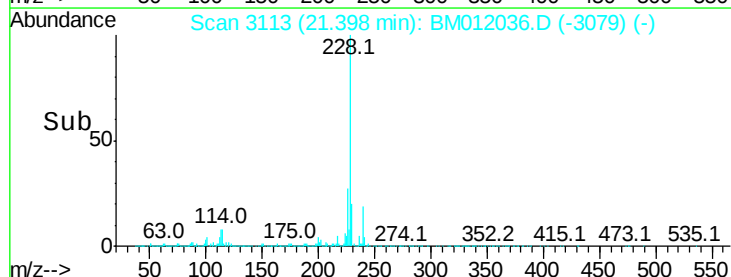
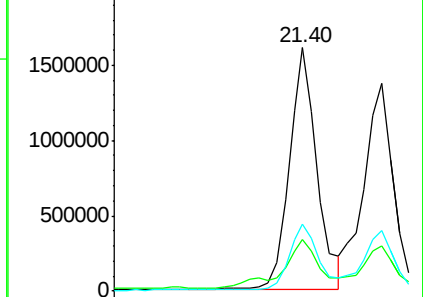
226 27.8 21.4 32.0

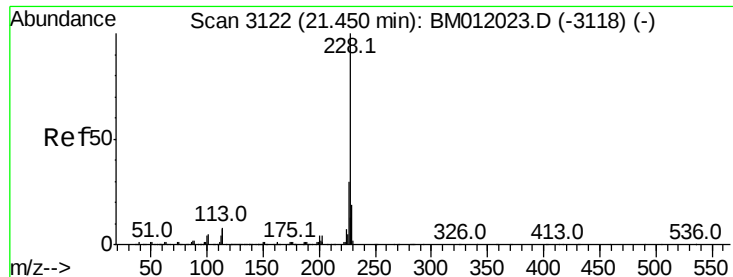


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 16.345 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

Instrument :

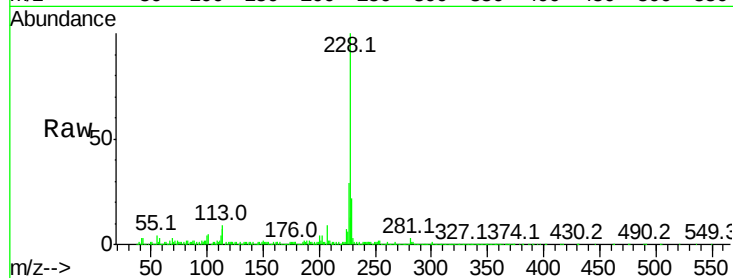
BNA_M

ClientSampleId :

B-54(7-8)-092817

Tot Ion:228 Resp: 1862341

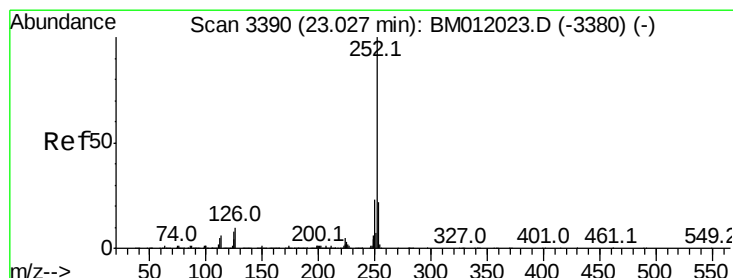
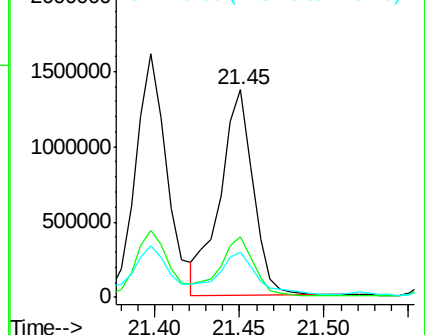
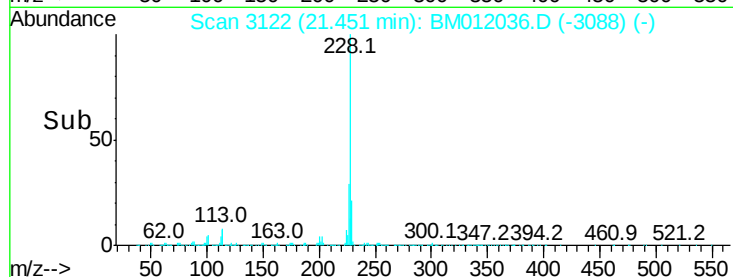
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	21.5	15.5	23.3



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: 17.627 ng/ul

RT: 23.03 min Scan# 3391

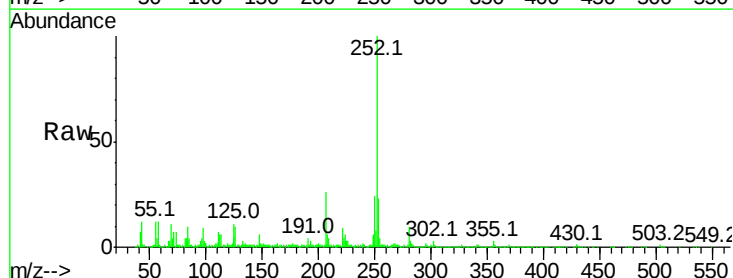
Delta R.T. 0.01 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

Tgt Ion:252 Resp: 2090899

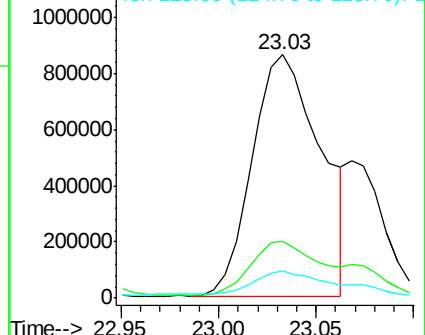
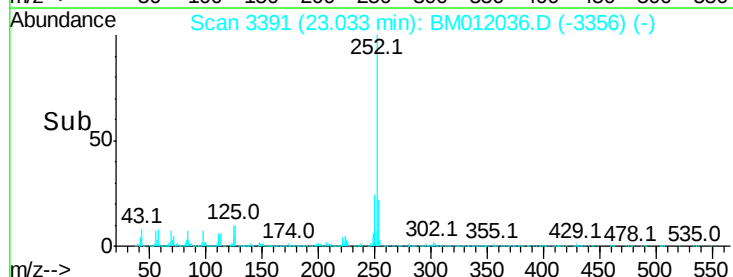
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.2	3.6	5.4

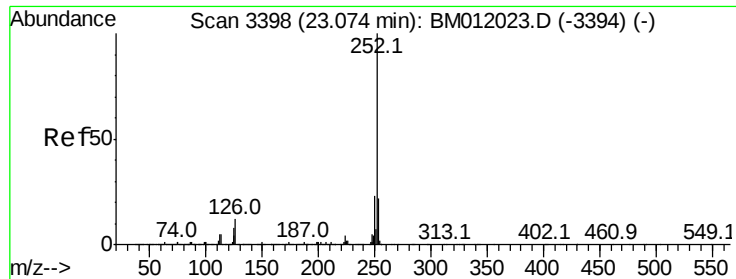


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 17.656 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. -0.04 min

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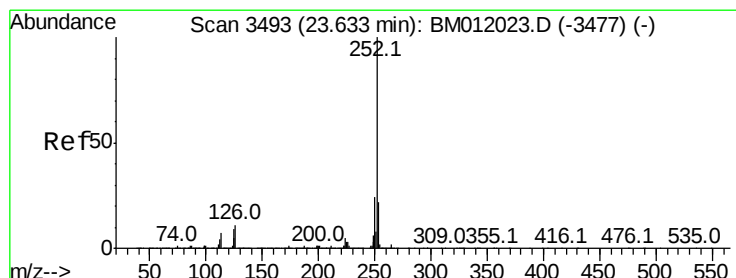
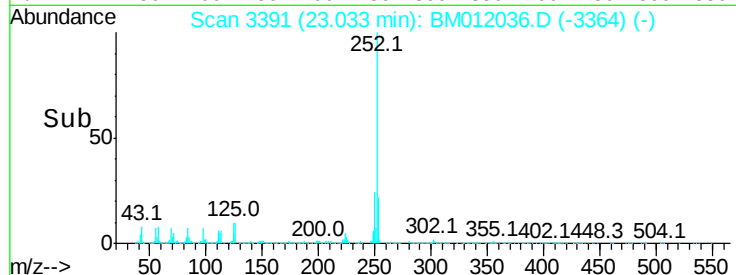
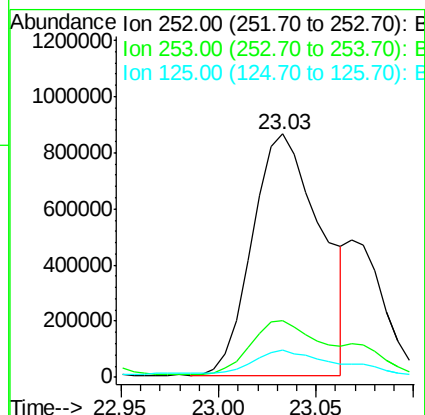
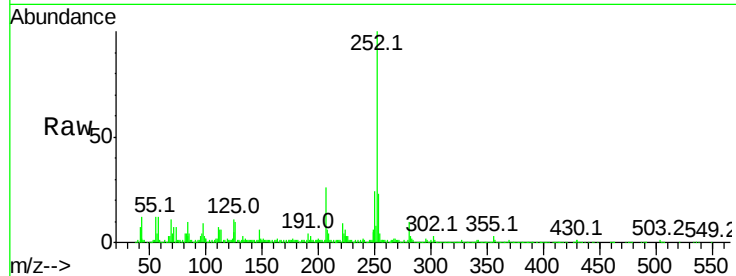
Tot Ion:252 Resp: 2090899

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 11.2 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 13.307 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

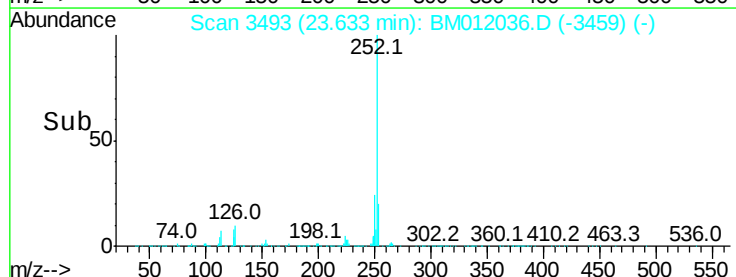
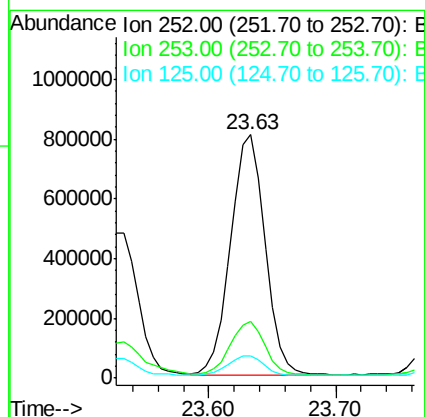
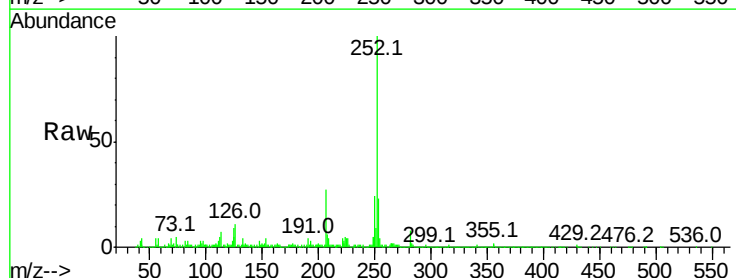
Tgt Ion:252 Resp: 1516712

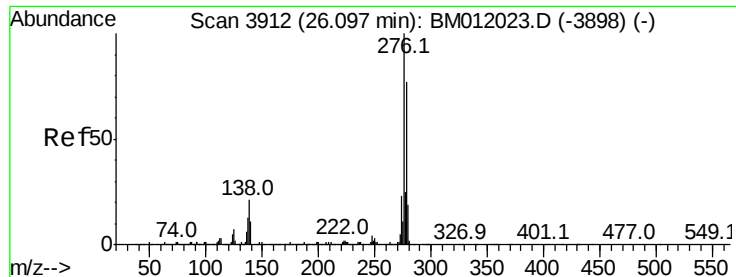
Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 9.3 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.062 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. 0.00 min

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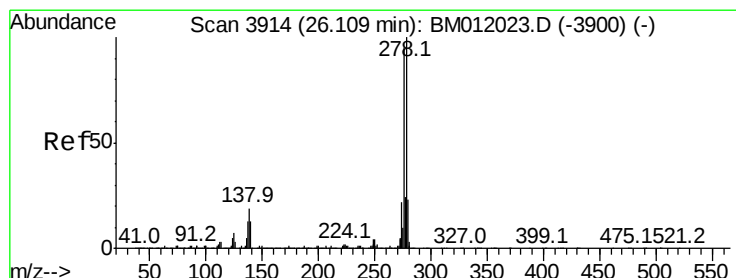
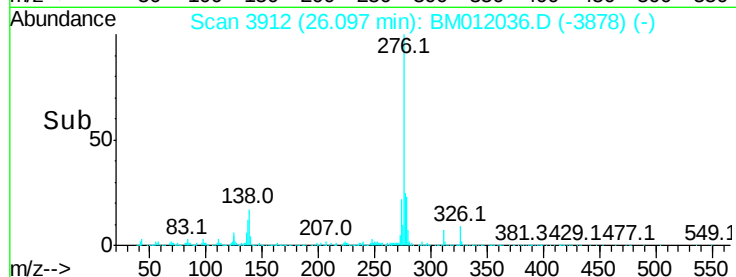
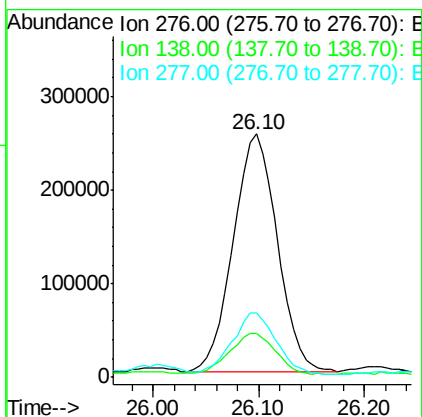
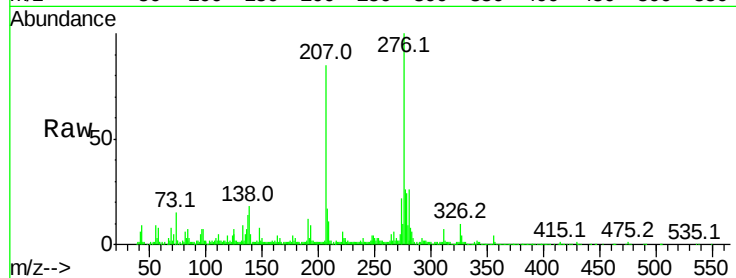
Tot Ion:276 Resp: 739371

Ion Ratio Lower Upper

276 100

138 18.0 9.3 13.9#

277 26.4 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 2.112 ng/ul

RT: 26.09 min Scan# 3911

Delta R.T. -0.02 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

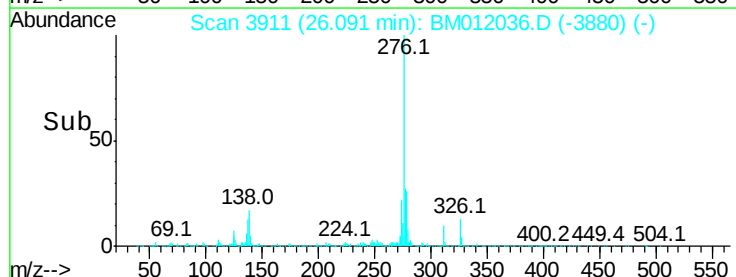
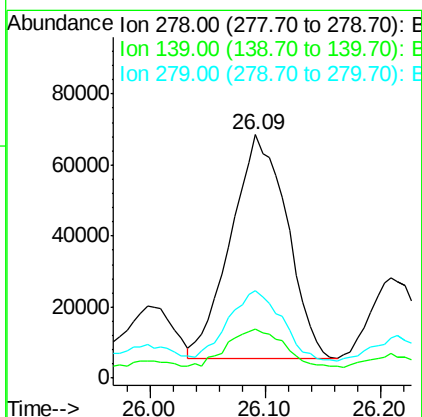
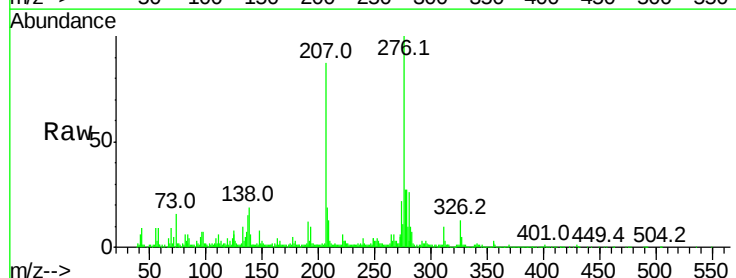
Tgt Ion:278 Resp: 211660

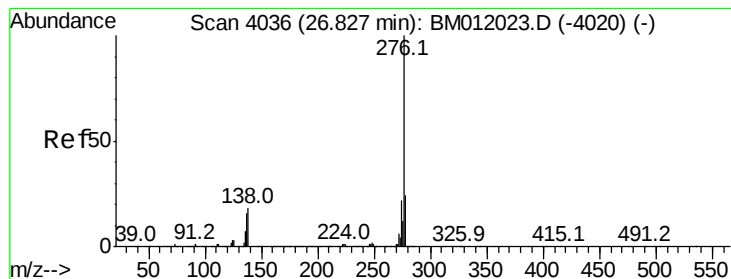
Ion Ratio Lower Upper

278 100

139 20.3 5.8 8.8#

279 36.0 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.134 ng/ul

RT: 26.83 min Scan# 4036

Delta R.T. 0.00 min

Lab File: BM012036.D

Acq: 10 Oct 2017 05:17

Instrument :

BNA_M

ClientSampleId :

B-54(7-8)-092817

Tot Ion:276 Resp: 618839

Ion Ratio Lower Upper

276 100

138 17.7 8.5 12.7#

277 25.0 18.6 28.0

