

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012075.D
 Acq On : 11 Oct 2017 18:30
 Operator : SJ/JU
 Sample : I5490-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 01:22:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 01:21:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	193337	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	788631	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	427289	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	903549	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	985303	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1027862	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	17671	4.32	ng/uL	0.00
5) Phenol-d5	7.00	99	351739	21.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	232861	23.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	316654	23.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	294055	20.45	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	141264	25.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	164224	25.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	298746	23.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	248338	17.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	922230	24.90	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1086806	24.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	80930	12.51	ng/ul	0.00
57) Fluorene-d10	15.47	176	761601	23.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	100165	16.48	ng/ul	0.00
70) Anthracene-d10	17.33	188	1128461	25.35	ng/ul	0.00
76) Pyrene-d10	19.62	212	1280479	28.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1258607	25.45	ng/ul	0.00

Target Compounds

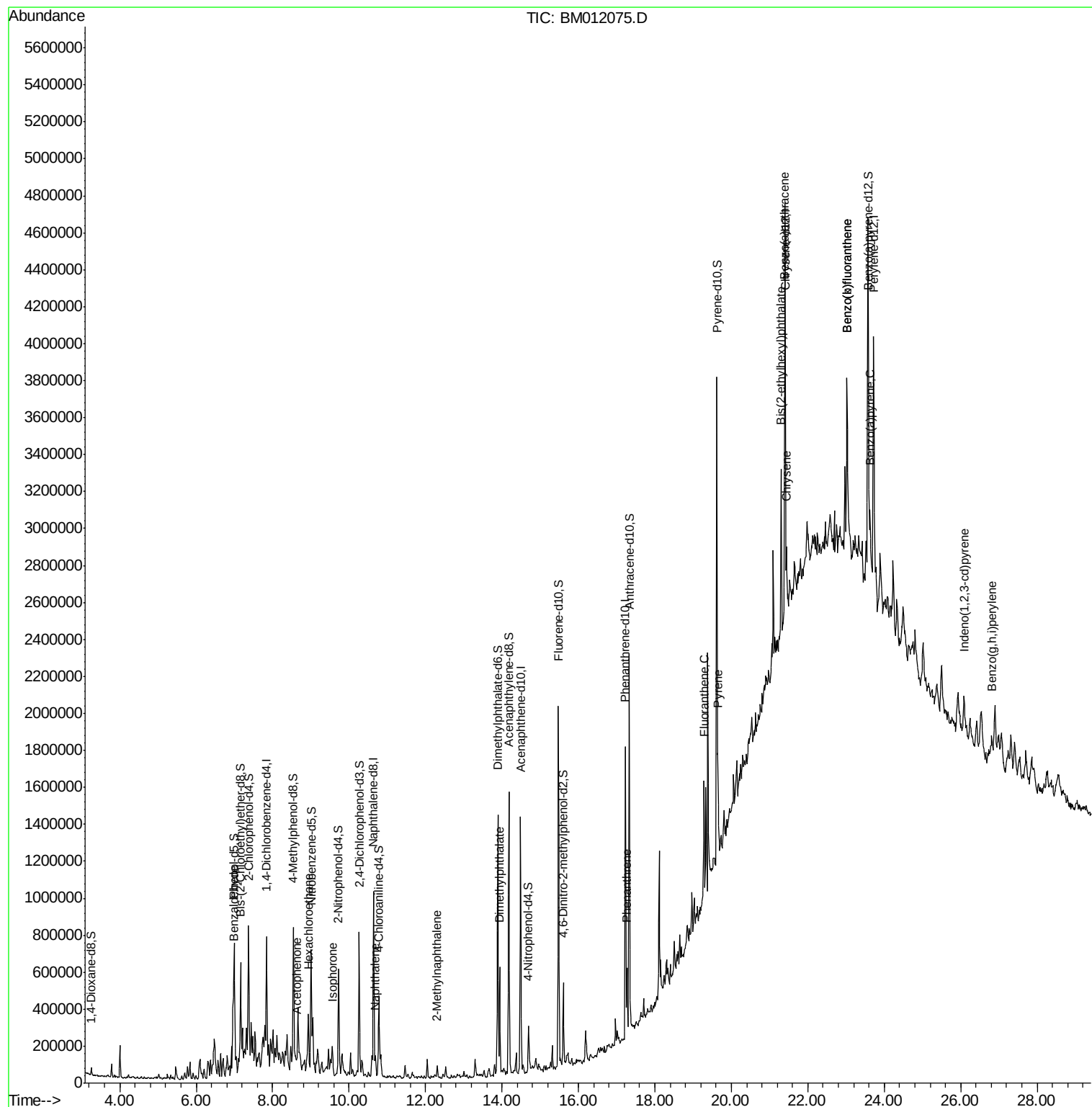
					Ovalue	
4) Benzaldehyde	6.97	77	8597	1.037	ng/ul#	1
14) Acetophenone	8.63	105	23135	1.100	ng/ul#	39
17) Hexachloroethane	8.94	117	14862	2.841	ng/ul#	1
21) Isophorone	9.57	82	81239	3.211	ng/ul#	93
28) Naphthalene	10.69	128	67452	1.705	ng/ul	98
34) 2-Methylnaphthalene	12.30	142	34909	1.157	ng/ul	91
44) Dimethylphthalate	13.94	163	348703	9.788	ng/ul	99
69) Phenanthrene	17.27	178	208065	4.186	ng/ul	98
74) Fluoranthene	19.29	202	306776	5.059	ng/ul#	90
77) Pyrene	19.65	202	312560	5.721	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	158332	2.805	ng/ul#	86
81) Bis(2-ethylhexyl)phthalate	21.30	149	264590	8.311	ng/ul#	97
82) Chrysene	21.44	228	185397	3.457	ng/ul#	87
85) Benzo(b)fluoranthene	23.03	252	208644	3.340	ng/ul#	73
86) Benzo(k)fluoranthene	23.03	252	208644	3.345	ng/ul#	71
88) Benzo(a)pyrene	23.62	252	135274	2.253	ng/ul#	75
89) Indeno(1,2,3-cd)pyrene	26.09	276	103508	1.611	ng/ul#	82
91) Benzo(g,h,i)perylene	26.81	276	166489	3.133	ng/ul#	85

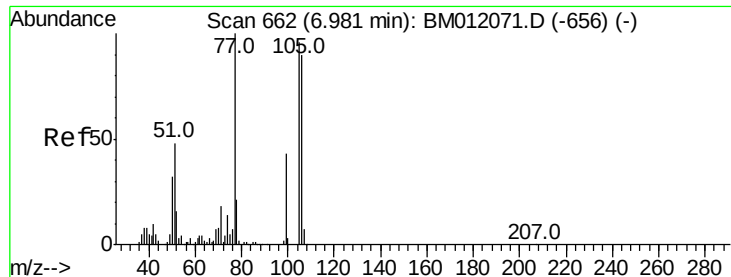
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.037 ng/ul

RT: 6.97 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampled :

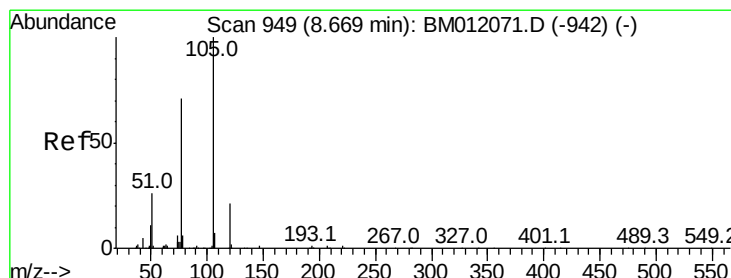
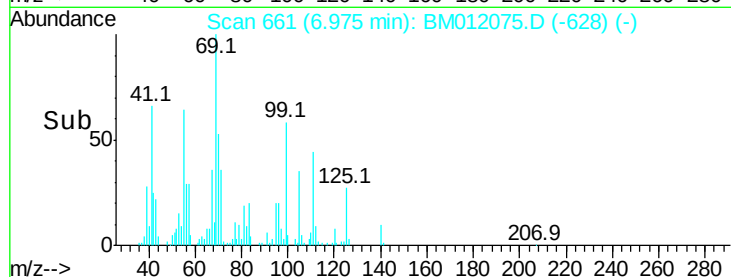
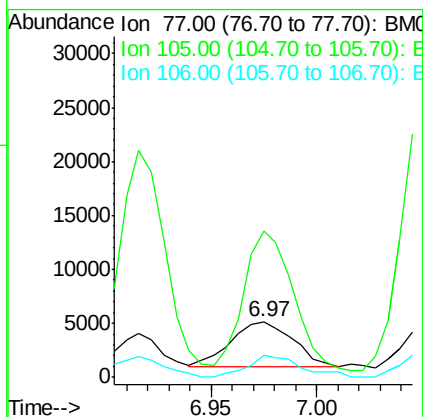
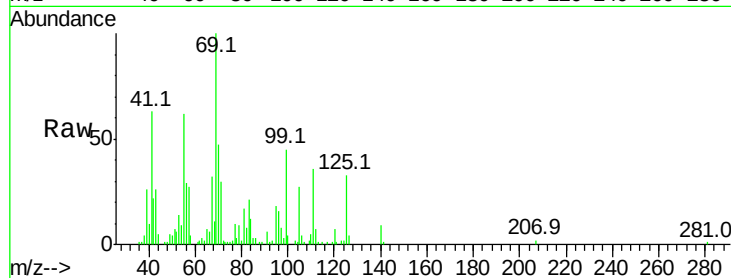
Tot Ion: 77 Resp: 8597

Ion Ratio Lower Upper

77 100

105 264.6 66.1 99.1#

106 38.8 67.8 101.6#



#14

Acetophenone

Concen: 1.100 ng/ul

RT: 8.63 min Scan# 943

Delta R.T. -0.04 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

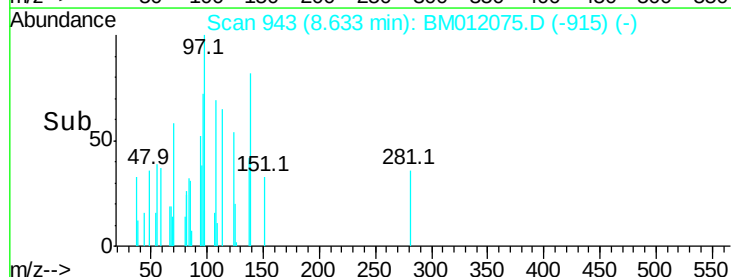
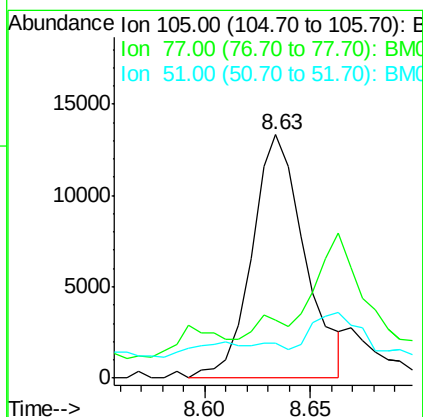
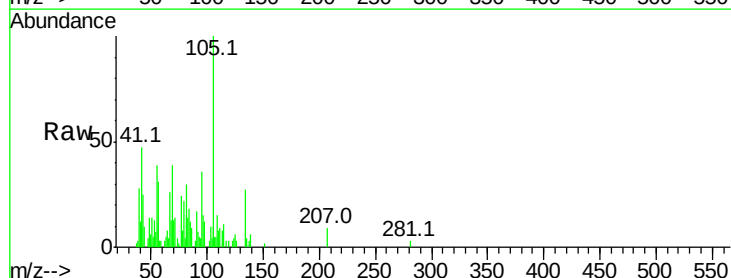
Tgt Ion: 105 Resp: 23135

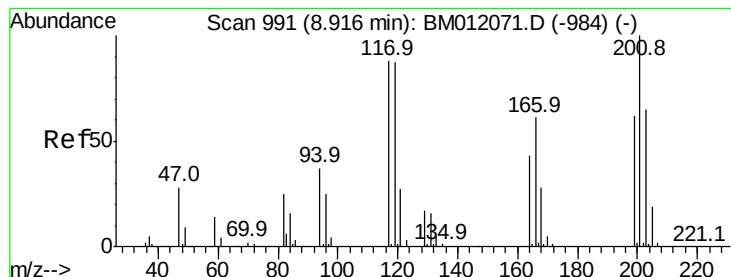
Ion Ratio Lower Upper

105 100

77 23.9 74.2 111.4#

51 14.3 23.4 35.2#





#17

Hexachloroethane

Concen: 2.841 ng/ul

RT: 8.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampled :

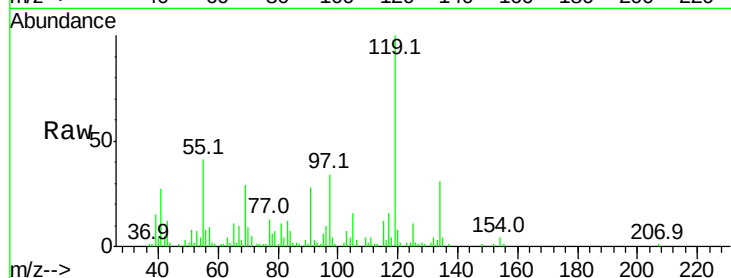
Tot Ion:117 Resp: 14862

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

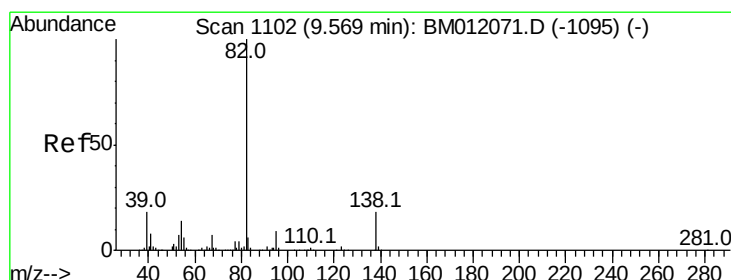
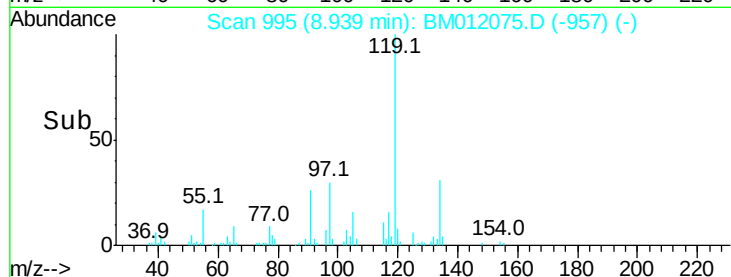
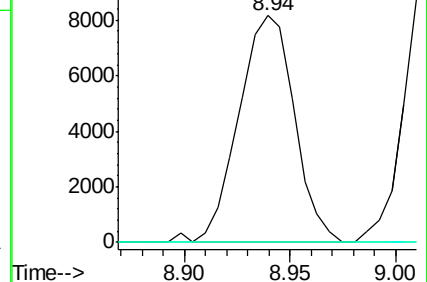
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#21

Isophorone

Concen: 3.211 ng/ul

RT: 9.57 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

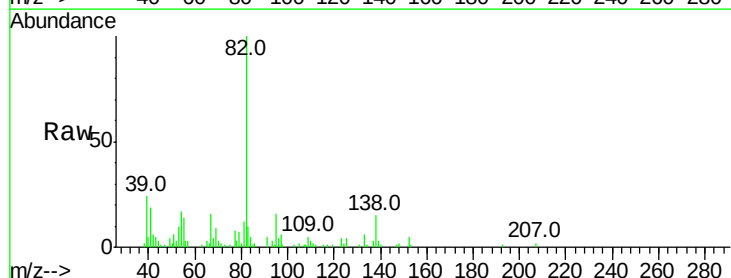
Tgt Ion: 82 Resp: 81239

Ion Ratio Lower Upper

82 100

95 16.3 7.8 11.8#

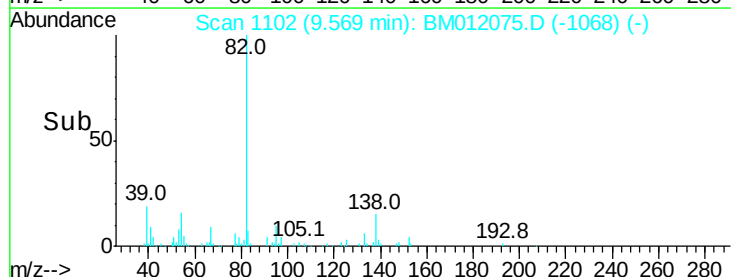
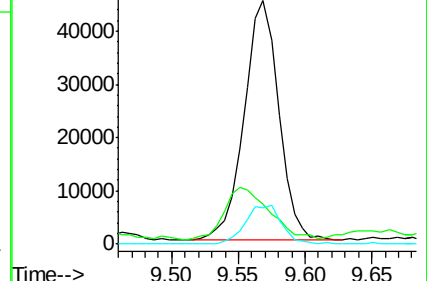
138 15.0 11.9 17.9

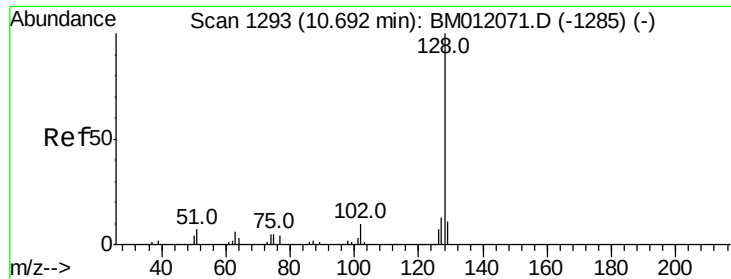


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

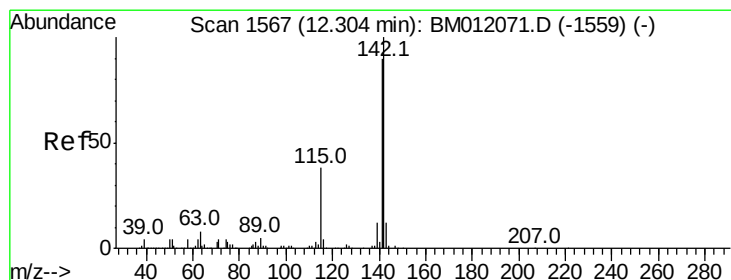
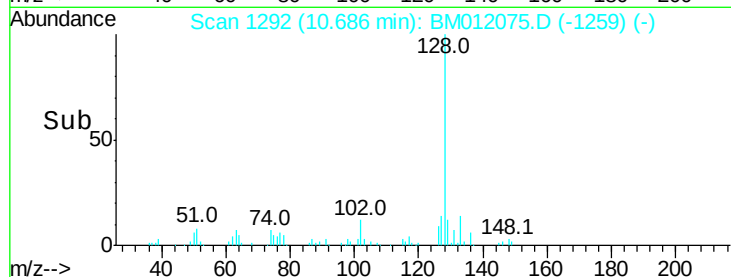
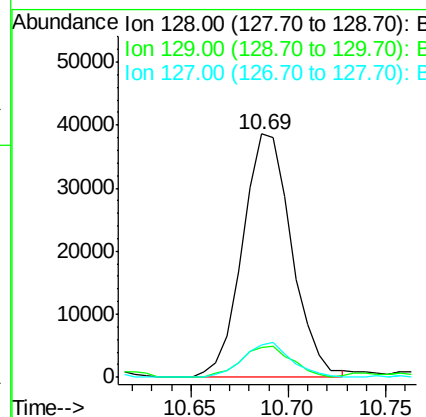
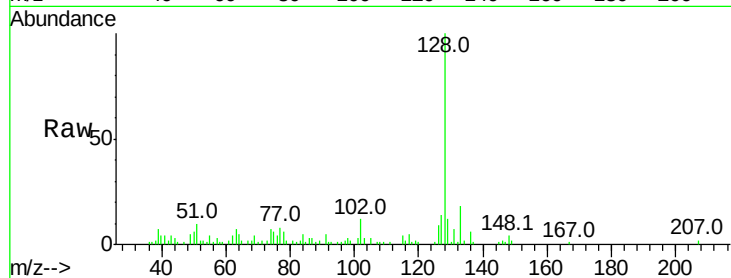




#28
Naphthalene
Concen: 1.705 ng/ul
RT: 10.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BM012075.D
Acq: 11 Oct 2017 18:30

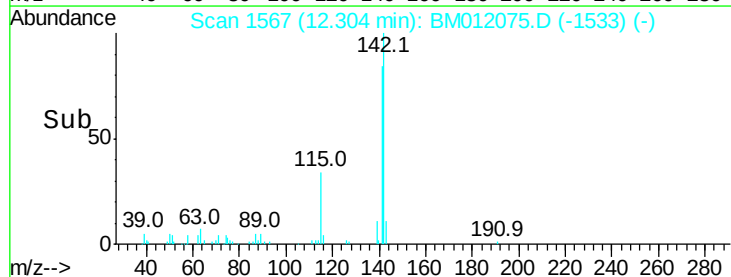
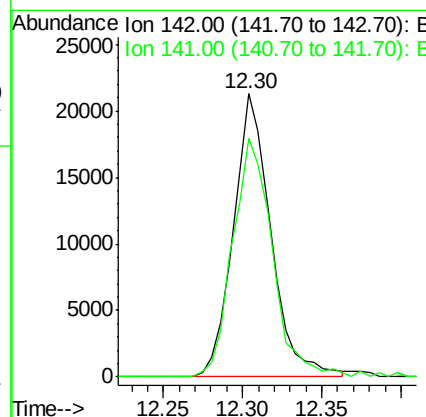
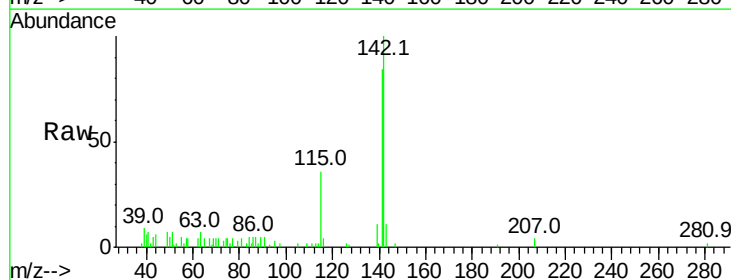
Instrument :
BNA_M
ClientSampleId :

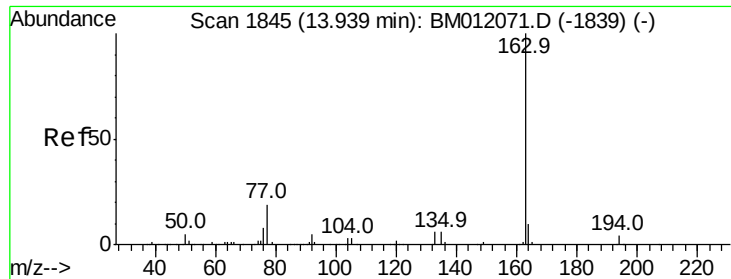
Tot Ion:128 Resp: 67452
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 13.5 10.6 16.0



#34
2-Methylnaphthalene
Concen: 1.157 ng/ul
RT: 12.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BM012075.D
Acq: 11 Oct 2017 18:30

Tgt Ion:142 Resp: 34909
Ion Ratio Lower Upper
142 100
141 84.3 74.1 111.1

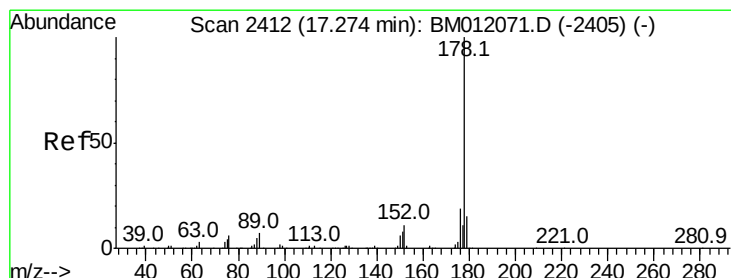
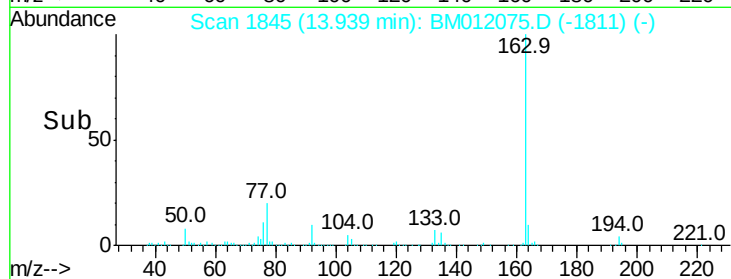
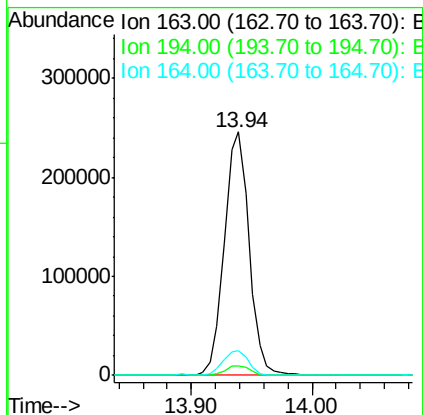
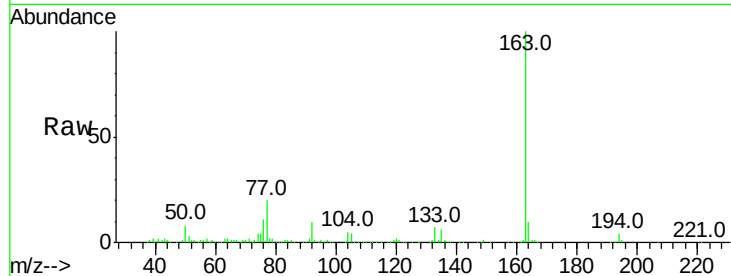




#44
Dimethylphthalate
Concen: 9.788 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BM012075.D
Acq: 11 Oct 2017 18:30

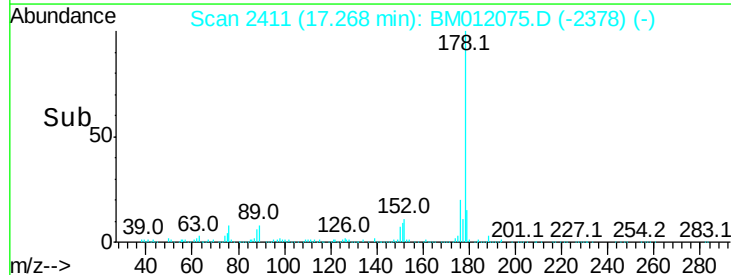
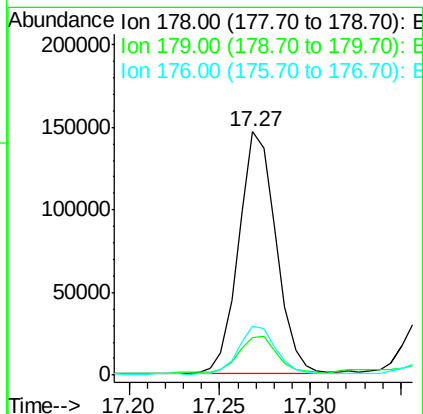
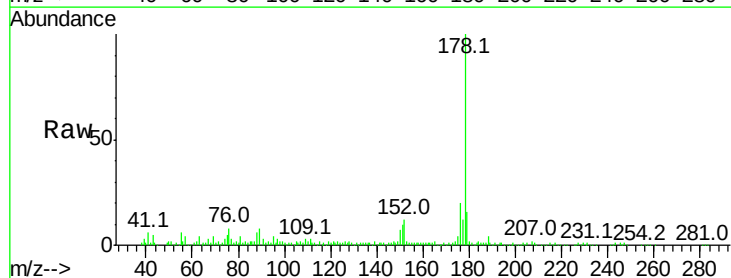
Instrument :
BNA_M
ClientSampleId :

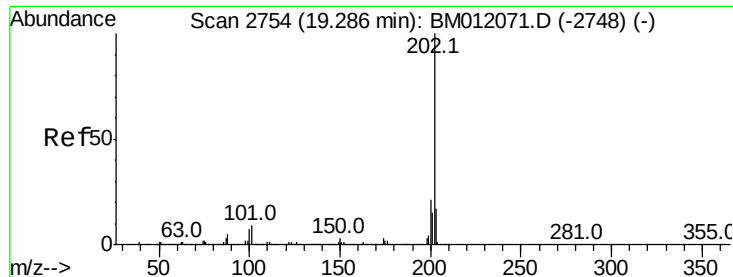
Tot Ion:163 Resp: 348703
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.0 8.2 12.4



#69
Phenanthrene
Concen: 4.186 ng/ul
RT: 17.27 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BM012075.D
Acq: 11 Oct 2017 18:30

Tgt Ion:178 Resp: 208065
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 20.1 14.9 22.3





#74

Fluoranthene

Concen: 5.059 ng/ul

RT: 19.29 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BM012075.D

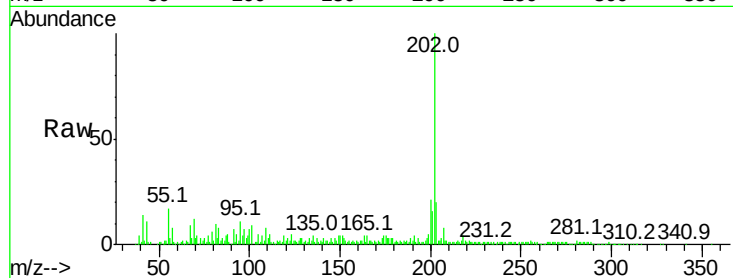
Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampleId :

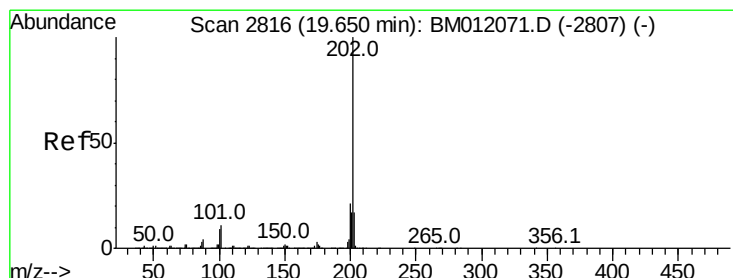
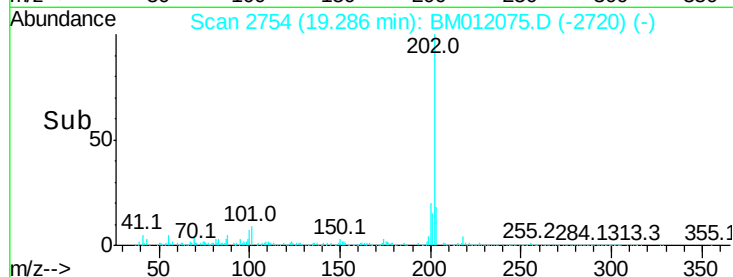
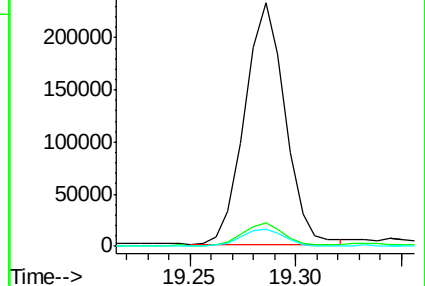
Tot Ion:	202	Resp:	306776
Ion	Ratio	Lower	Upper
202	100		
101	9.5	4.6	7.0#
100	7.0	3.4	5.2#



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: 5.721 ng/ul

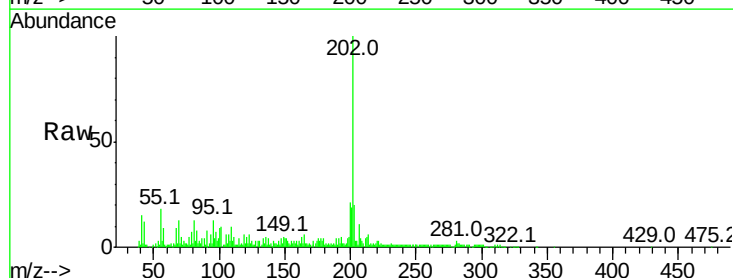
RT: 19.65 min Scan# 2816

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

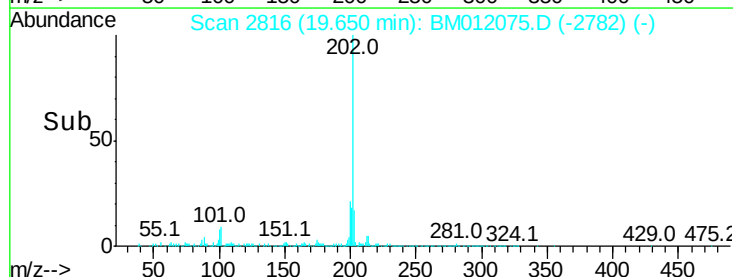
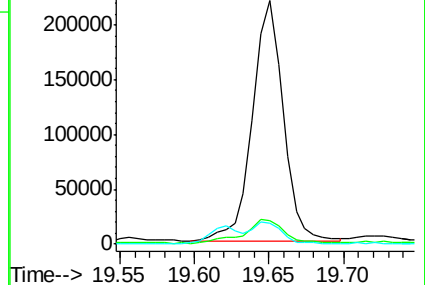
Tgt Ion:	202	Resp:	312560
Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.1	7.7#
100	8.6	4.9	7.3#

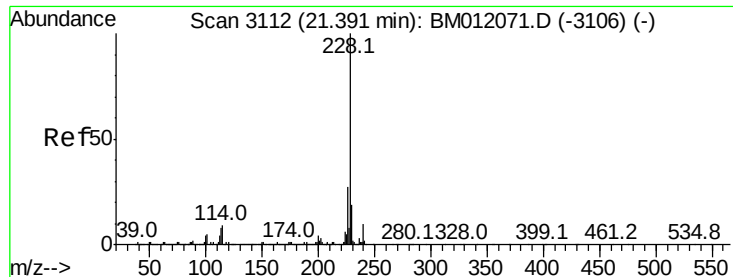


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.805 ng/ul

RT: 21.39 min Scan# 3112

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampleId :

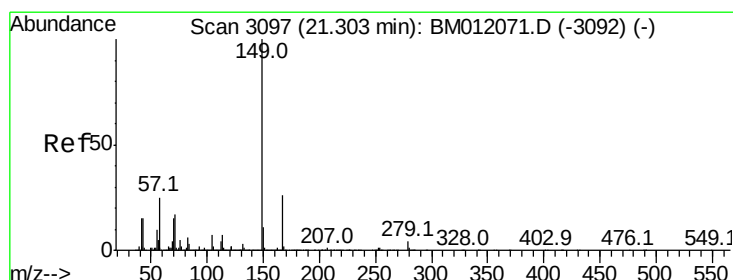
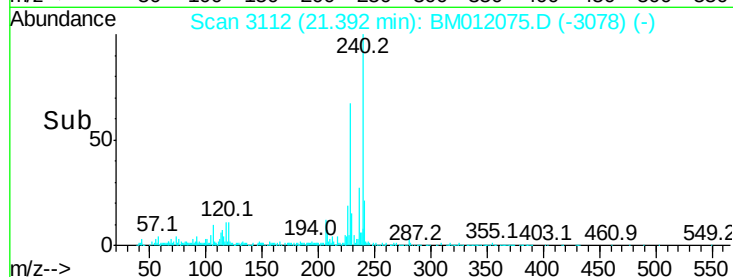
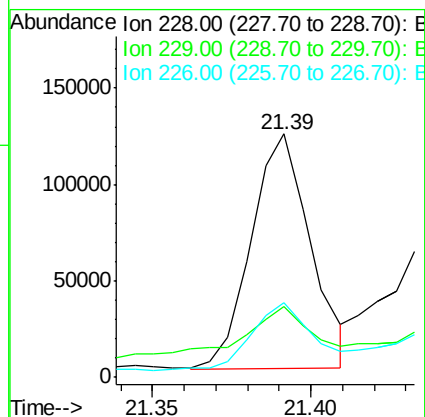
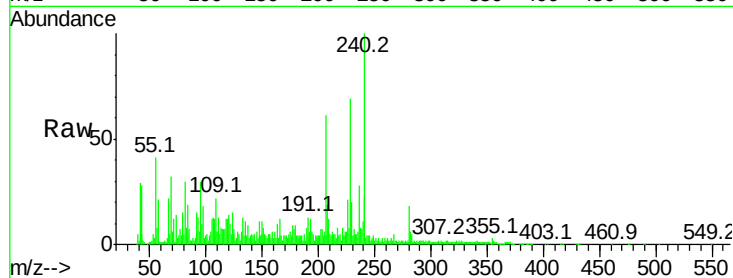
Tot Ion:228 Resp: 158332

Ion Ratio Lower Upper

228 100

229 28.9 15.4 23.0#

226 30.8 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 8.311 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

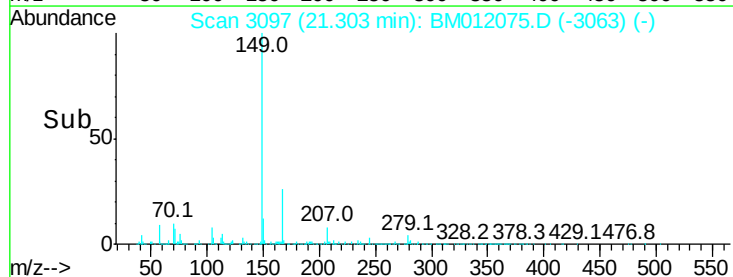
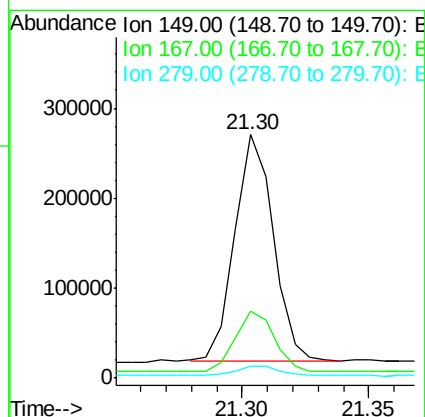
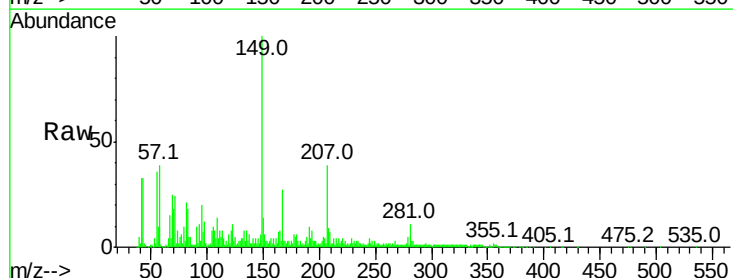
Tgt Ion:149 Resp: 264590

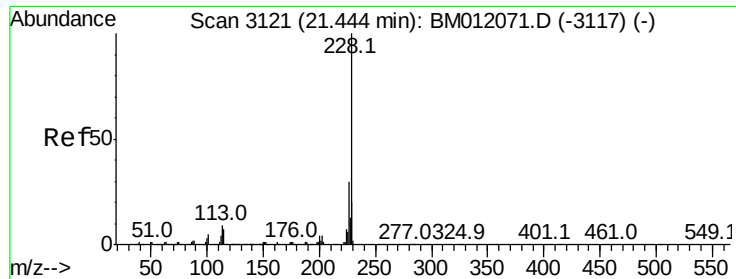
Ion Ratio Lower Upper

149 100

167 27.3 22.8 34.2

279 4.8 4.9 7.3#





#82

Chrysene

Concen: 3.457 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampleId :

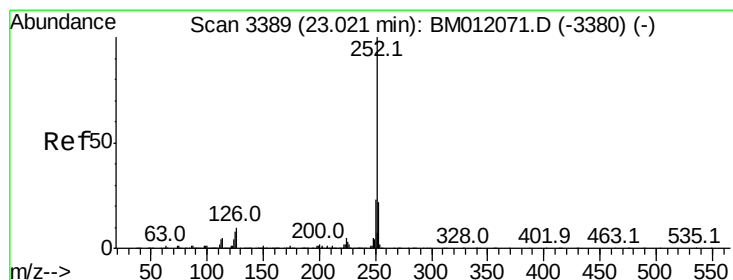
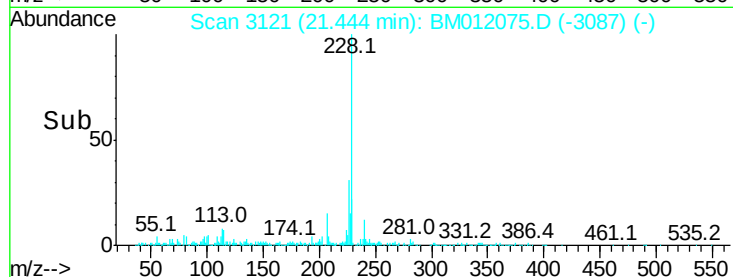
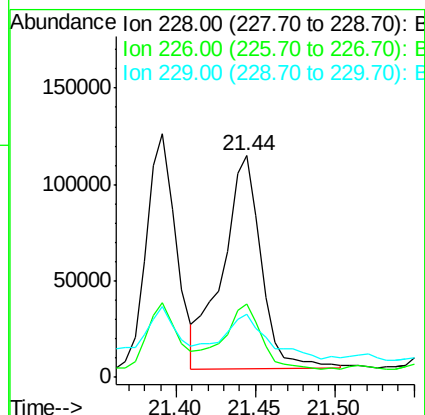
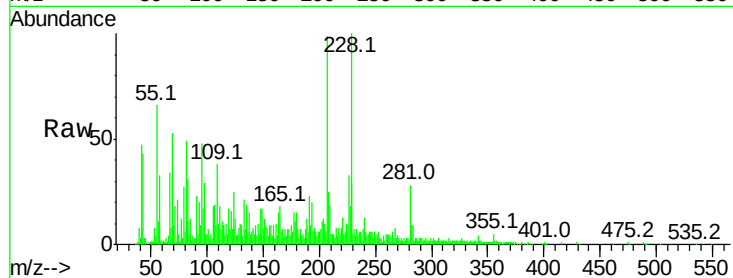
Tot Ion:228 Resp: 185397

Ion Ratio Lower Upper

228 100

226 33.3 23.4 35.2

229 28.5 15.5 23.3#



#85

Benzo(b)fluoranthene

Concen: 3.340 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

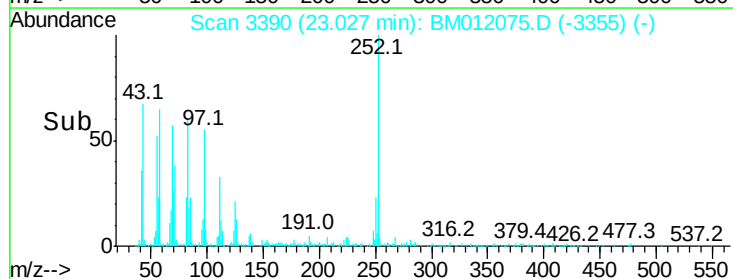
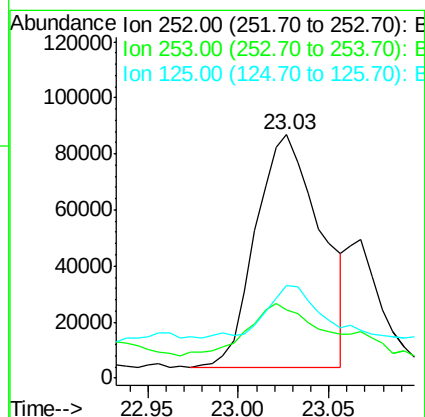
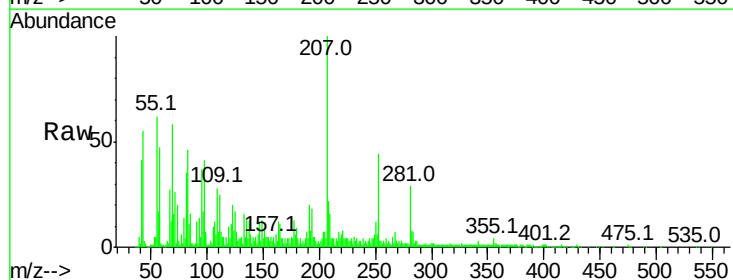
Tgt Ion:252 Resp: 208644

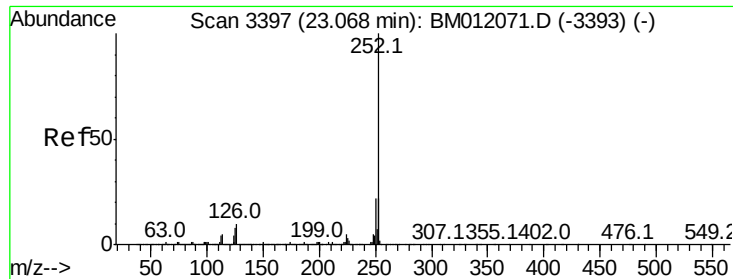
Ion Ratio Lower Upper

252 100

253 28.1 17.9 26.9#

125 37.8 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 3.345 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.04 min

Lab File: BM012075.D

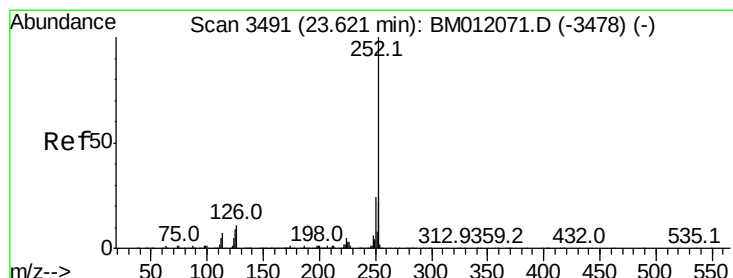
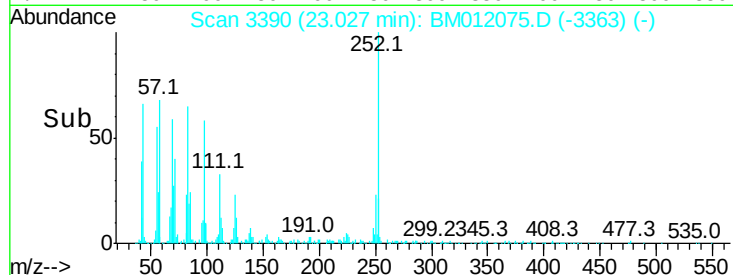
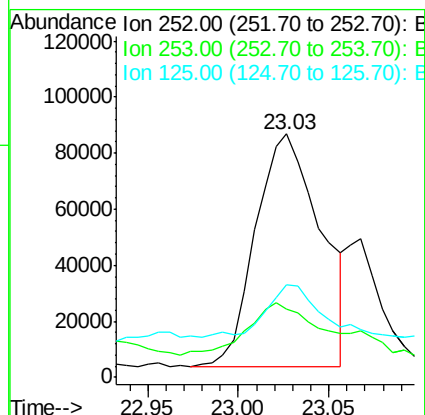
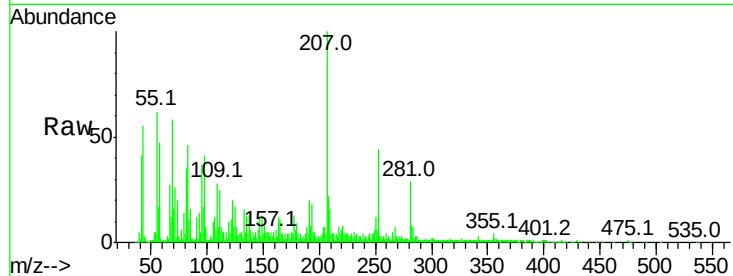
Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	208644
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.1	25.7#
125	37.8	3.4	5.2#



#88

Benzo(a)pyrene

Concen: 2.253 ng/ul

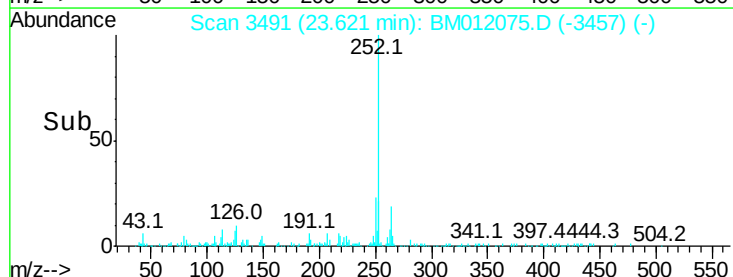
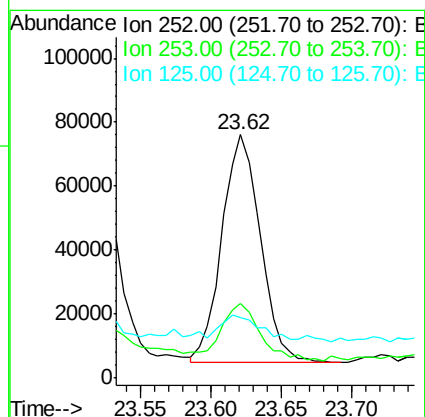
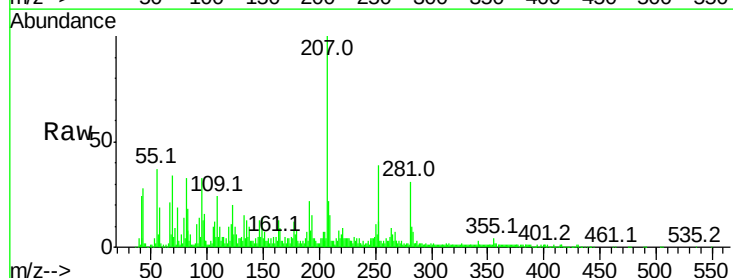
RT: 23.62 min Scan# 3491

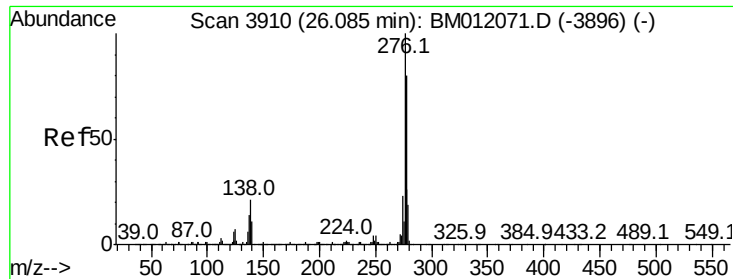
Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Tgt Ion:	252	Resp:	135274
Ion Ratio	Lower	Upper	
252	100		
253	30.9	18.2	27.2#
125	24.7	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.611 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Instrument :

BNA_M

ClientSampleId :

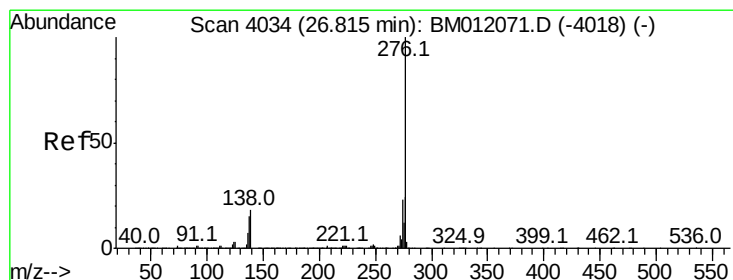
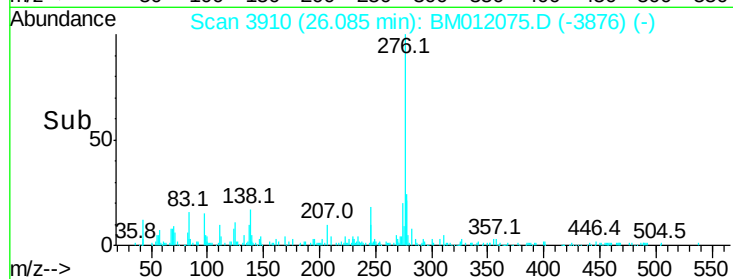
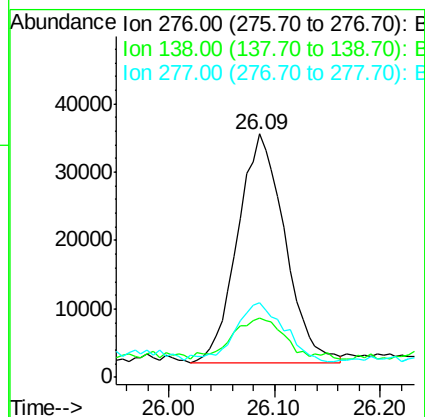
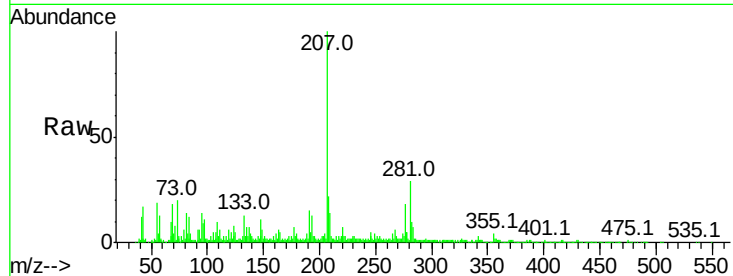
Tot Ion:276 Resp: 103508

Ion Ratio Lower Upper

276 100

138 24.4 9.3 13.9#

277 30.6 19.9 29.9#



#91

Benzo(g,h,i)perylene

Concen: 3.133 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. 0.00 min

Lab File: BM012075.D

Acq: 11 Oct 2017 18:30

Tgt Ion:276 Resp: 166489

Ion Ratio Lower Upper

276 100

138 20.1 8.5 12.7#

277 28.1 18.6 28.0#

