

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101617\
 Data File : BM012237.D
 Acq On : 17 Oct 2017 04:10
 Operator : SJ/JU
 Sample : I5548-17RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 17 05:58:37 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 02:52:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	395530	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1523967	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	779188	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1507166	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	1729368	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	1890811	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18180	2.18	ng/uL	0.00
5) Phenol-d5	6.96	99	428316	13.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	241520	12.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	391558	14.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	356506	12.90	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	185117	15.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	222265	16.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	416611	16.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	121213	4.99	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	1195762	17.36	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1405233	16.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	104939	10.14	ng/ul	0.00
57) Fluorene-d10	15.44	176	925808	16.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	99170	9.59	ng/ul	0.00
70) Anthracene-d10	17.30	188	1304178	17.50	ng/ul	0.00
76) Pyrene-d10	19.59	212	1455589	16.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1599242	17.54	ng/ul	0.02

Target Compounds

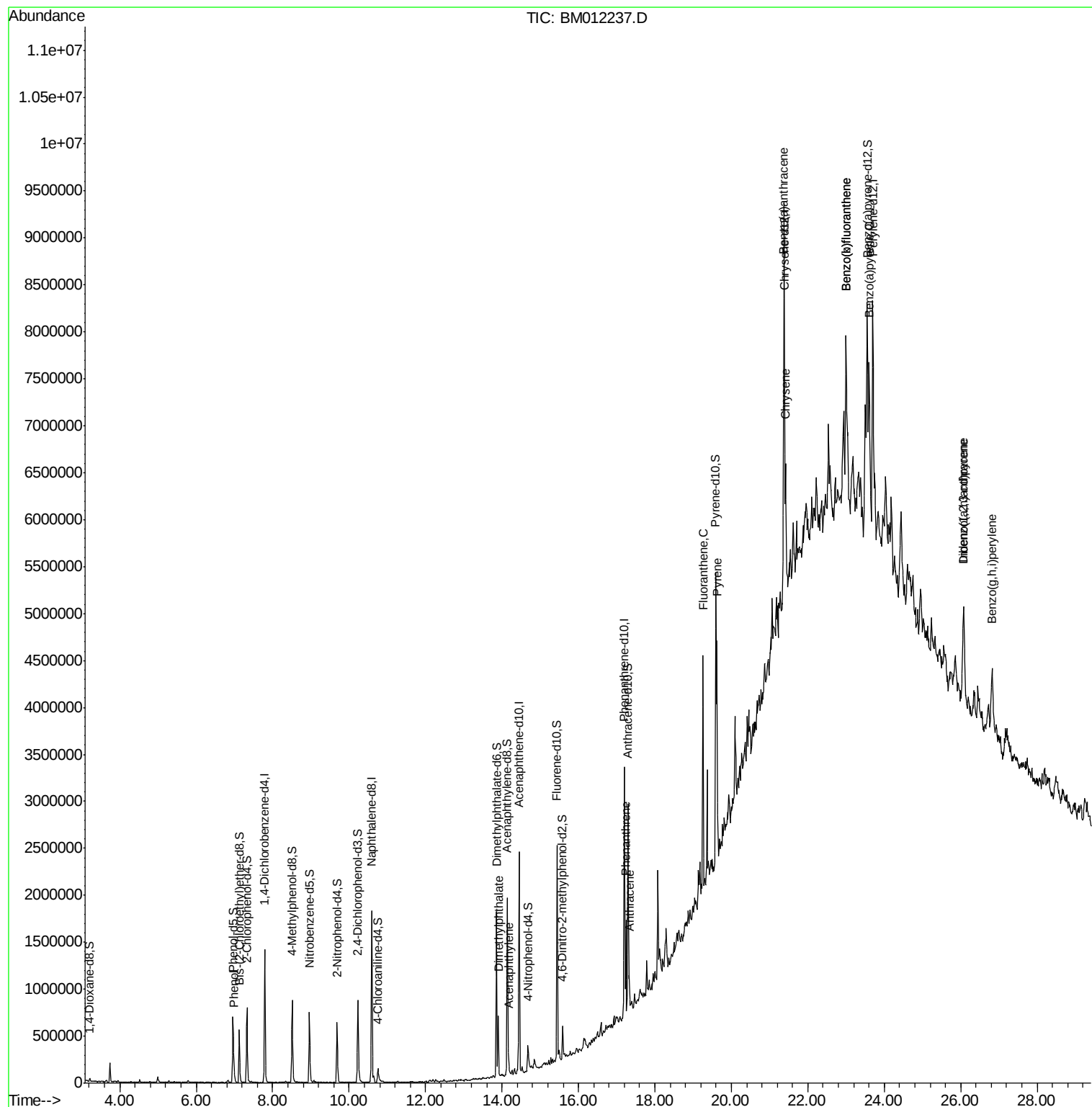
					Ovalue	
6) Phenol	6.99	94	33214	1.001	ng/ul#	85
44) Dimethylphthalate	13.90	163	411685	5.967	ng/ul	99
47) Acenaphthylene	14.17	152	140648	1.718	ng/ul	94
69) Phenanthrene	17.24	178	588514	6.864	ng/ul	99
71) Anthracene	17.33	178	239666	2.700	ng/ul	96
74) Fluoranthene	19.26	202	1432787	13.847	ng/ul	98
77) Pyrene	19.62	202	1337364	11.710	ng/ul	98
80) Benzo(a)anthracene	21.37	228	856179	7.609	ng/ul#	91
82) Chrysene	21.42	228	905464	8.570	ng/ul#	90
85) Benzo(b)fluoranthene	23.00	252	1455508	11.796	ng/ul#	88
86) Benzo(k)fluoranthene	23.00	252	1455508	12.240	ng/ul#	89
88) Benzo(a)pyrene	23.60	252	1105332	9.504	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	26.08	276	867669	7.026	ng/ul	97
90) Dibenzo(a,h)anthracene	26.07	278	217489	2.095	ng/ul#	61
91) Benzo(g,h,i)perylene	26.81	276	870131	8.602	ng/ul	93

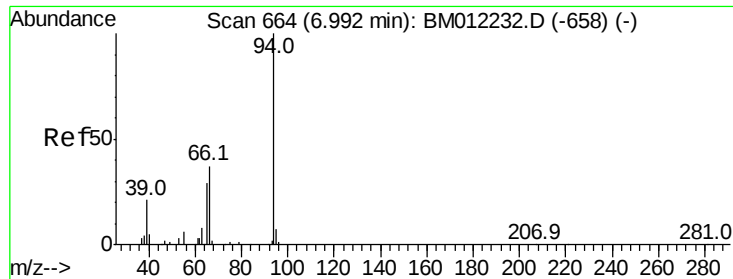
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.001 ng/ul

RT: 6.99 min Scan# 663

Delta R.T. -0.01 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

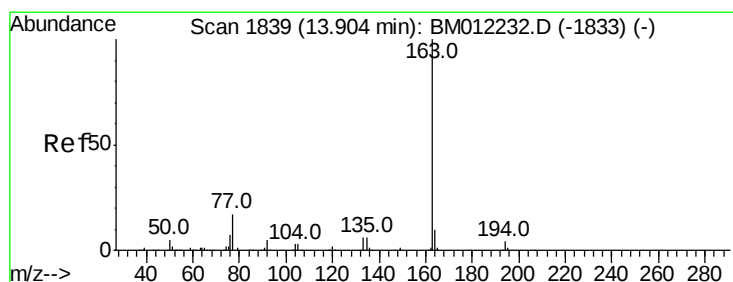
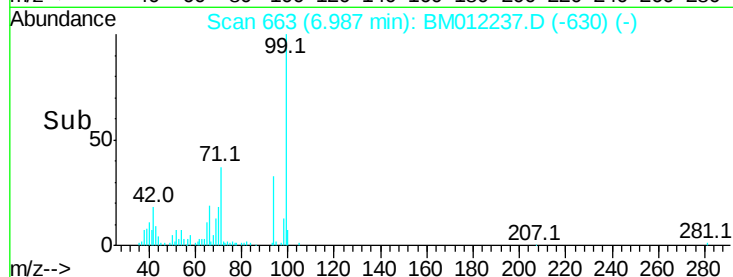
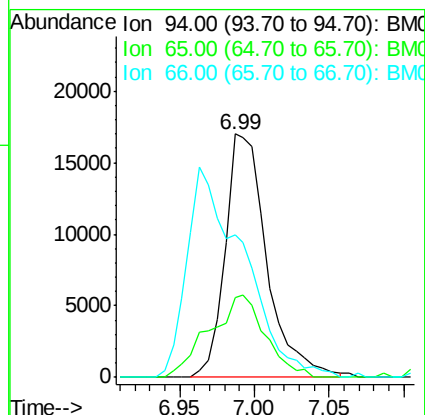
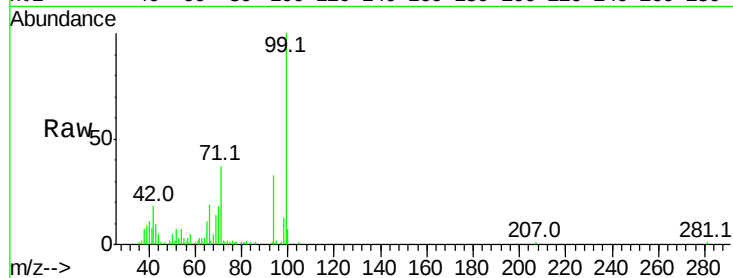
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 94 Resp: 33214

Ion	Ratio	Lower	Upper
94	100		
65	32.6	24.4	36.6
66	58.7	35.0	52.4#



#44

Dimethylphthalate

Concen: 5.967 ng/ul

RT: 13.90 min Scan# 1839

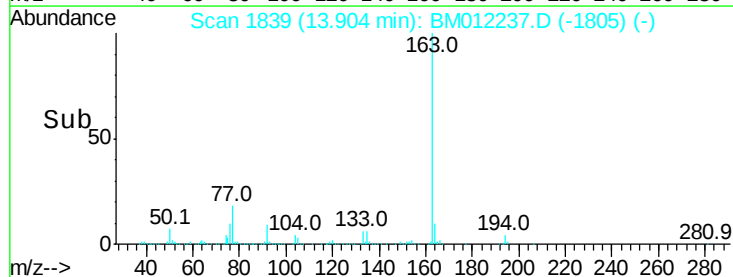
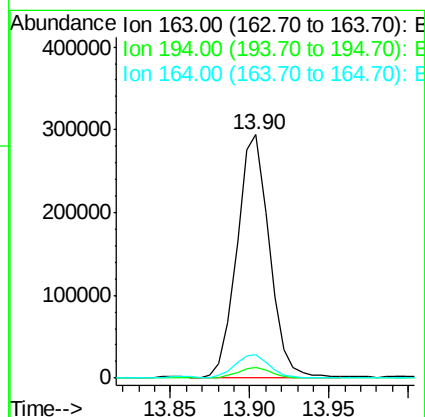
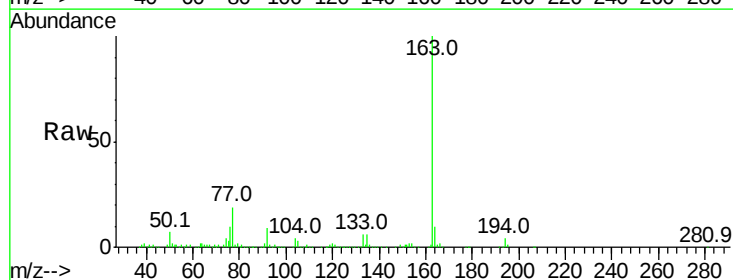
Delta R.T. 0.00 min

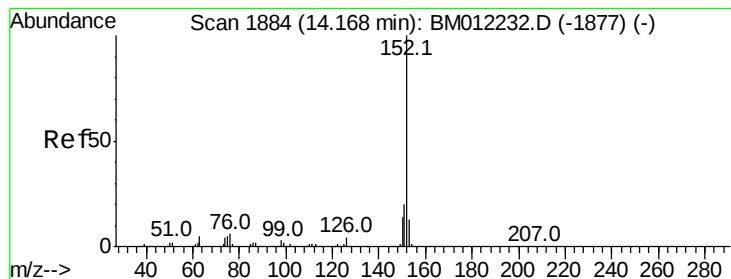
Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

Tgt Ion: 163 Resp: 411685

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.7	5.5
164	9.8	8.1	12.1





#47

Acenaphthylene

Concen: 1.718 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

Instrument :

BNA_M

ClientSampled :

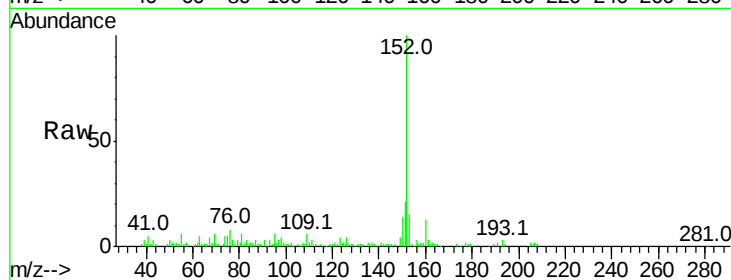
Tot Ion:152 Resp: 140648

Ion Ratio Lower Upper

152 100

151 21.4 15.3 22.9

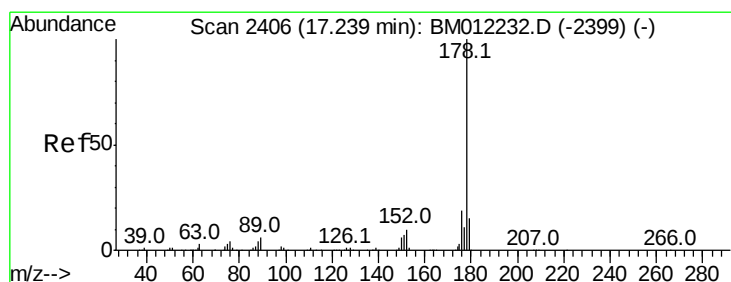
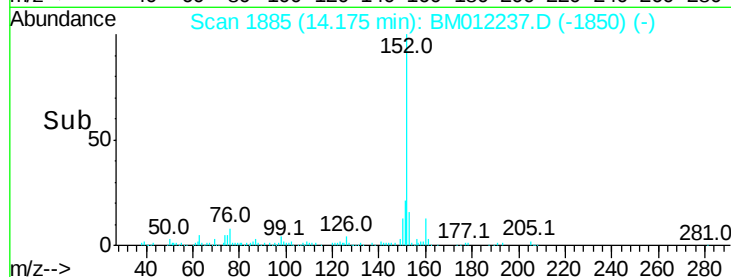
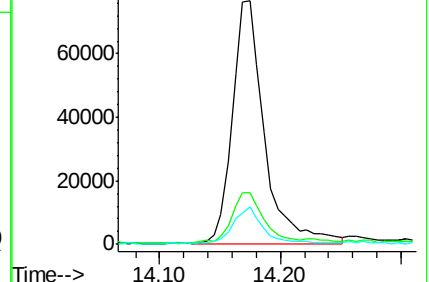
153 15.5 10.4 15.6



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



#69

Phenanthrene

Concen: 6.864 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

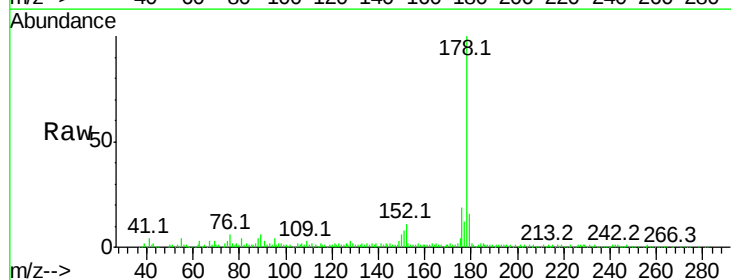
Tgt Ion:178 Resp: 588514

Ion Ratio Lower Upper

178 100

179 16.2 12.0 18.0

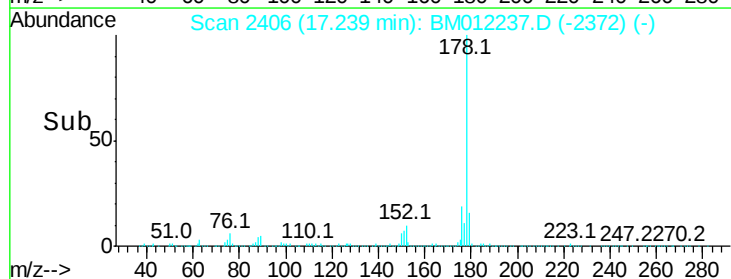
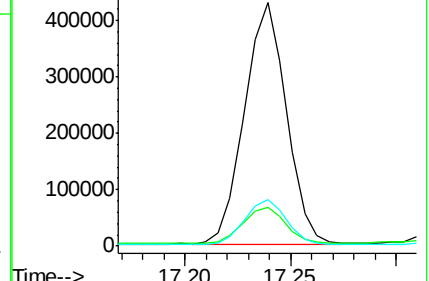
176 18.9 15.0 22.6

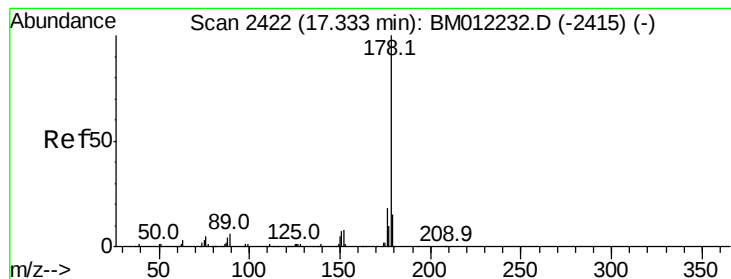


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.700 ng/ul

RT: 17.33 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

Instrument :

BNA_M

ClientSampleId :

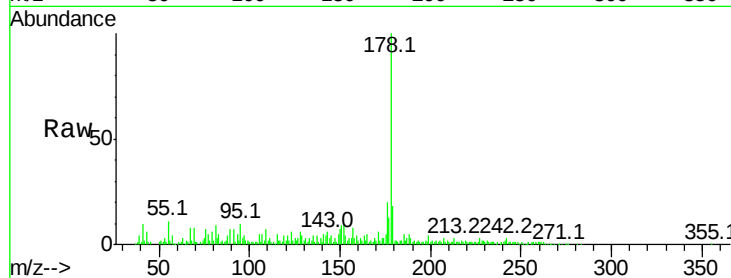
Tot Ion:178 Resp: 239666

Ion Ratio Lower Upper

178 100

179 17.7 12.2 18.4

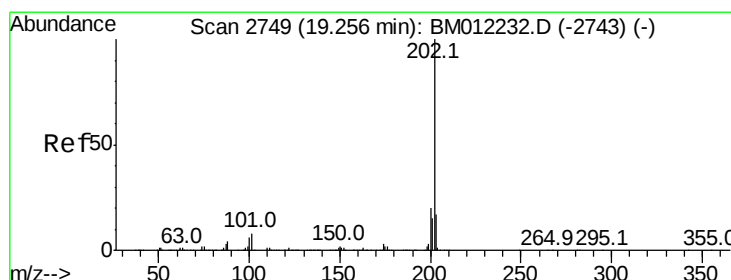
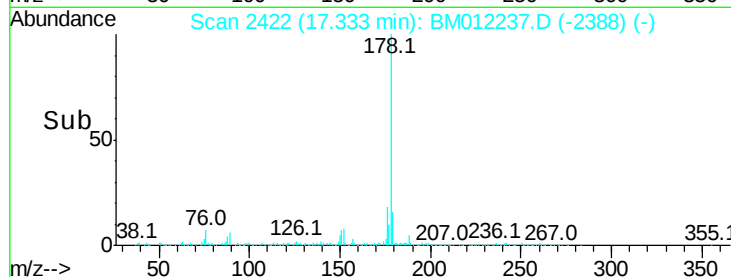
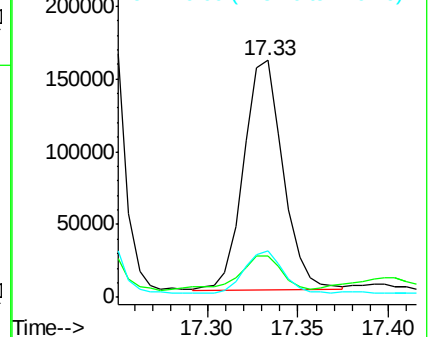
176 19.5 14.7 22.1



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: 13.847 ng/ul

RT: 19.26 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

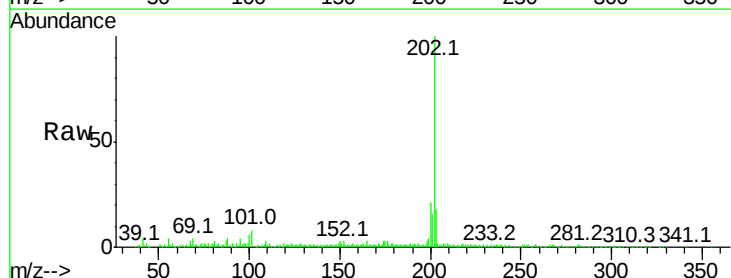
Tgt Ion:202 Resp: 1432787

Ion Ratio Lower Upper

202 100

101 7.6 5.8 8.6

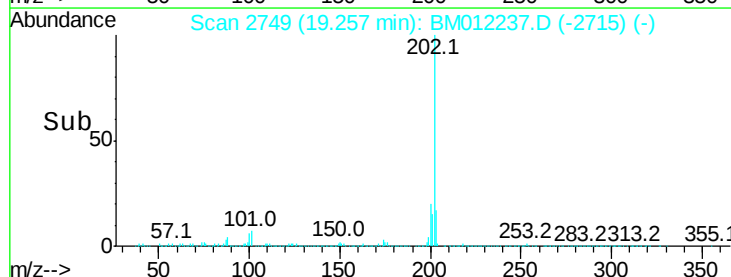
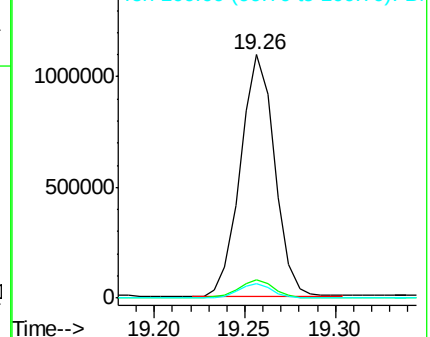
100 6.1 4.3 6.5

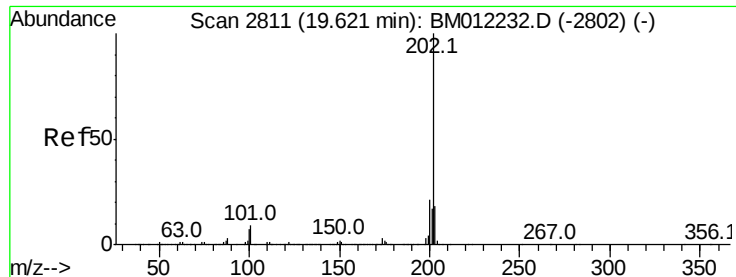


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

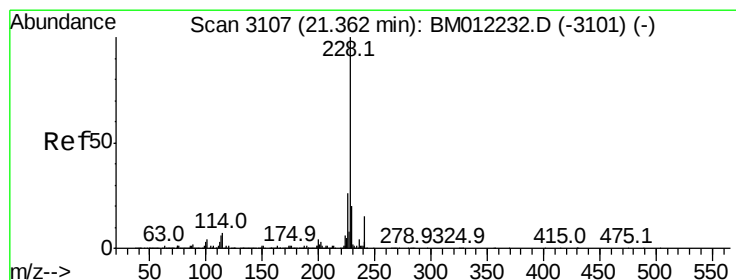
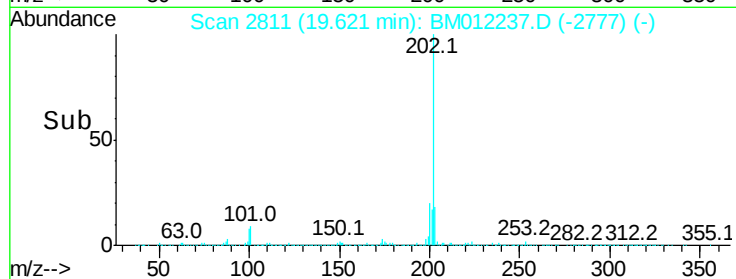
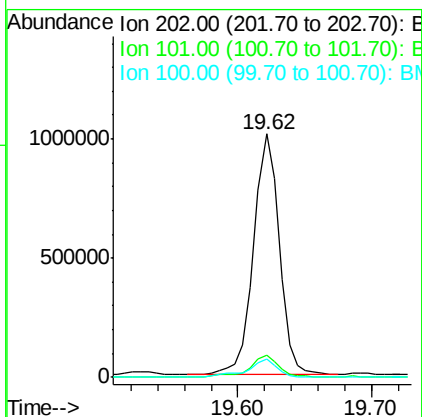
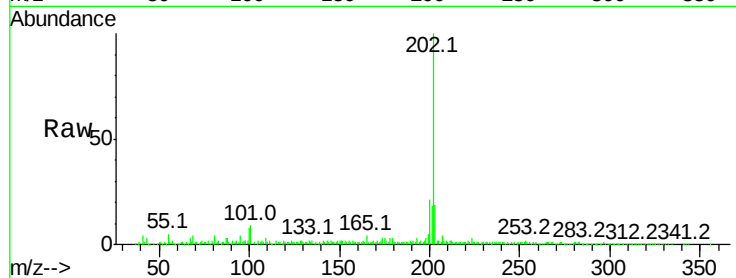




#77
 Pvrene
 Concen: 11.710 ng/ul
 RT: 19.62 min Scan# 2811
 Delta R.T. 0.00 min
 Lab File: BM012237.D
 Acq: 17 Oct 2017 04:10

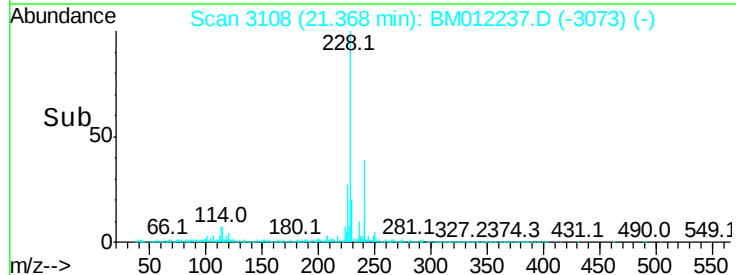
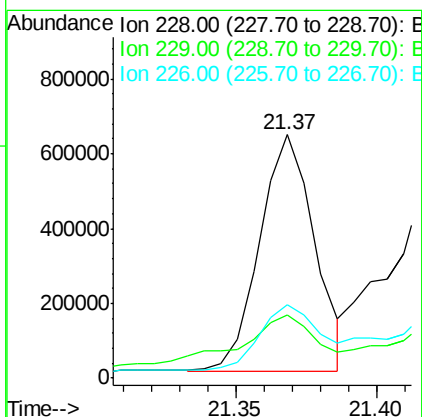
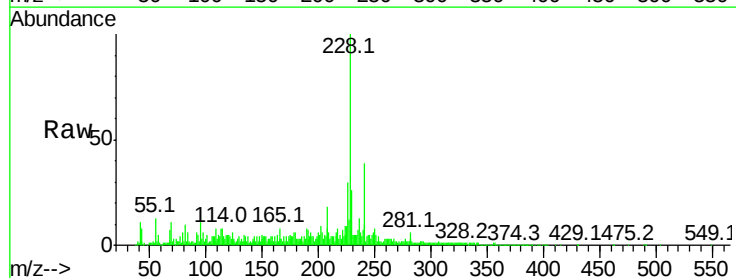
Instrument :
 BNA_M
 ClientSampleId :

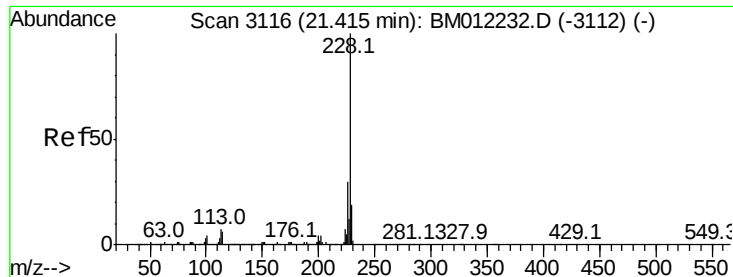
Tot Ion:202 Resp: 1337364
 Ion Ratio Lower Upper
 202 100
 101 9.0 6.5 9.7
 100 7.7 5.6 8.4



#80
 Benzo(a)anthracene
 Concen: 7.609 ng/ul
 RT: 21.37 min Scan# 3108
 Delta R.T. 0.01 min
 Lab File: BM012237.D
 Acq: 17 Oct 2017 04:10

Tgt Ion:228 Resp: 856179
 Ion Ratio Lower Upper
 228 100
 229 25.9 15.8 23.8#
 226 29.9 21.4 32.2





#82

Chrysene

Concen: 8.570 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

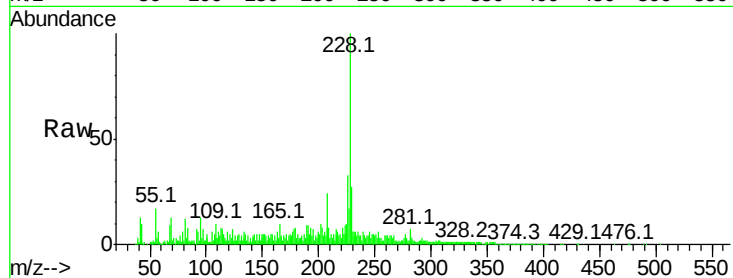
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 905464

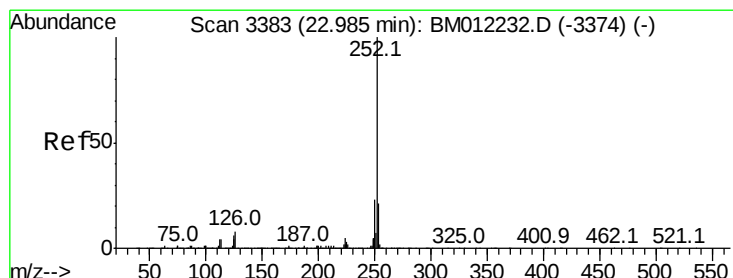
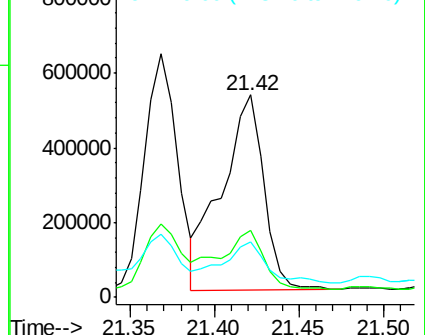
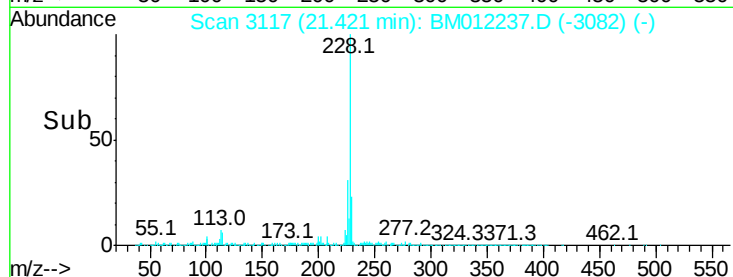
Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.0	36.0
229	27.5	15.5	23.3



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: 11.796 ng/ul

RT: 23.00 min Scan# 3386

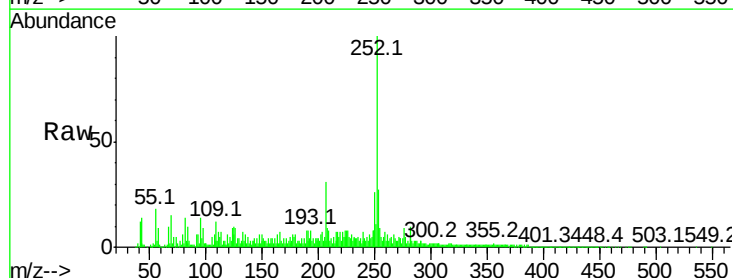
Delta R.T. 0.02 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

Tgt Ion:252 Resp: 1455508

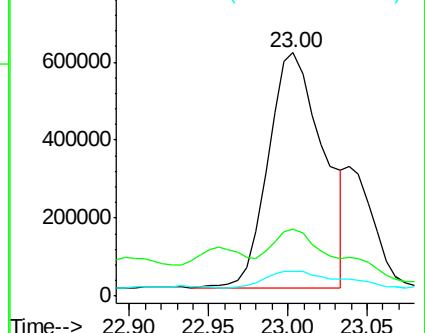
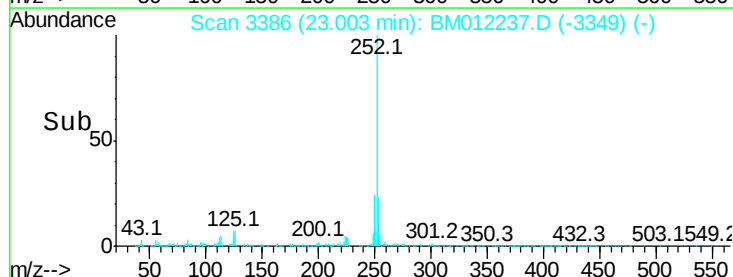
Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.4	26.2
125	10.4	5.1	7.7

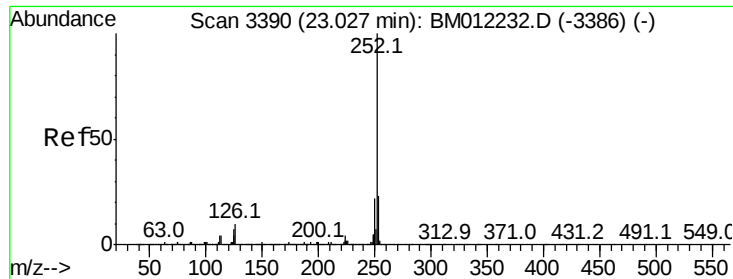


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 12.240 ng/ul

RT: 23.00 min Scan# 3386

Delta R.T. -0.02 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

Instrument :

BNA_M

ClientSampleId :

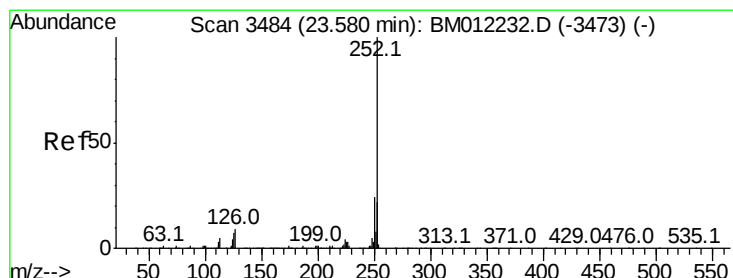
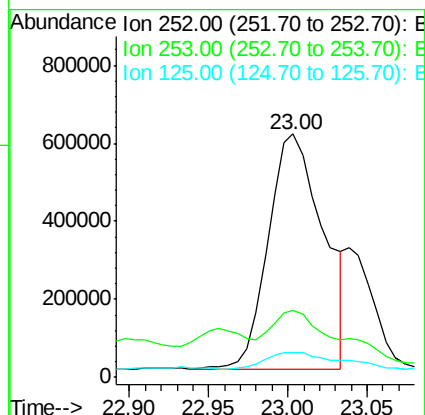
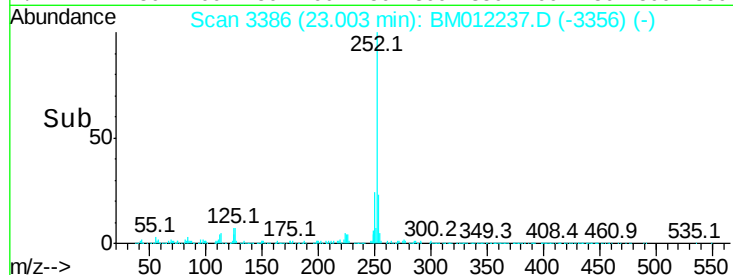
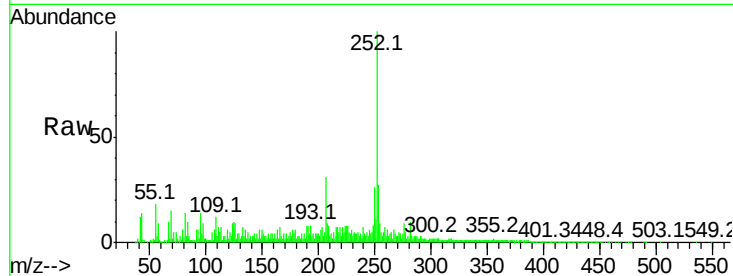
Tot Ion:252 Resp: 1455508

Ion Ratio Lower Upper

252 100

253 27.4 17.8 26.6#

125 10.4 4.9 7.3#



#88

Benzo(a)pyrene

Concen: 9.504 ng/ul

RT: 23.60 min Scan# 3488

Delta R.T. 0.02 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

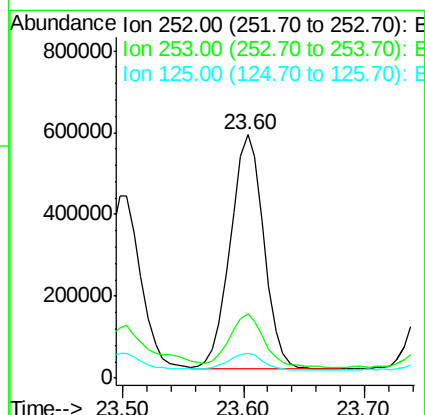
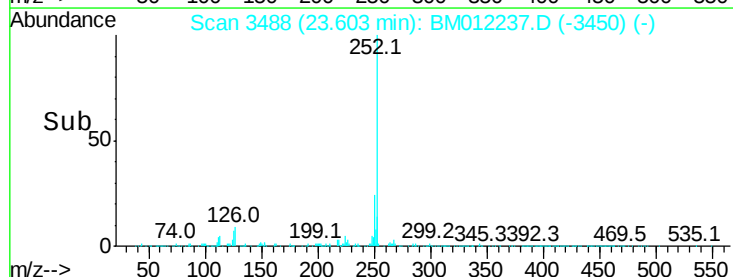
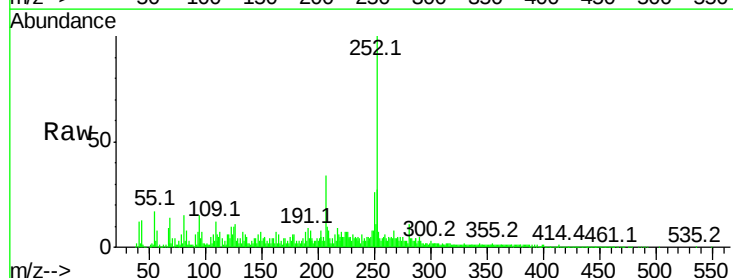
Tgt Ion:252 Resp: 1105332

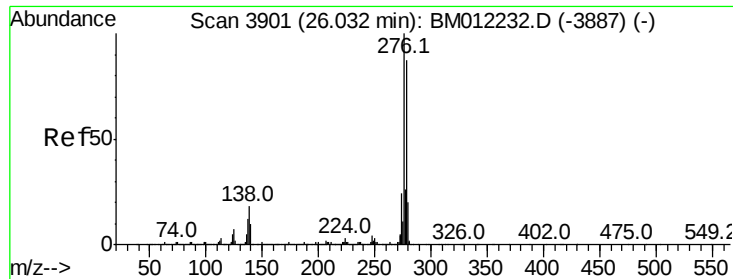
Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 10.2 5.2 7.8#



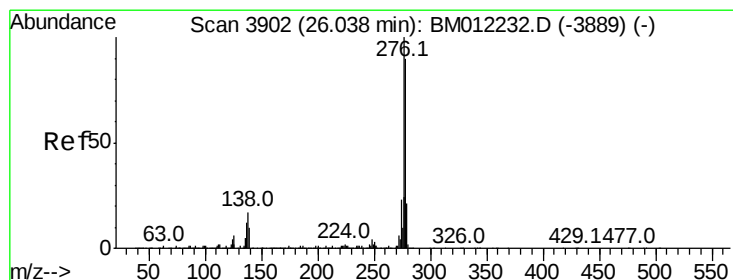
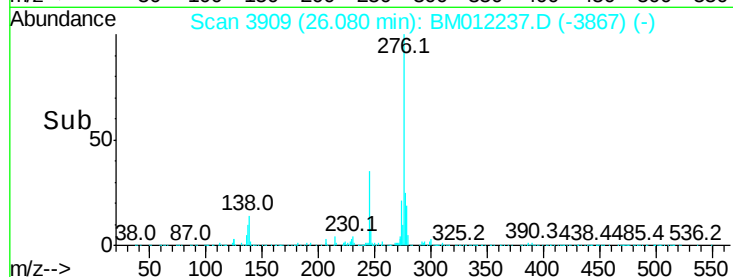
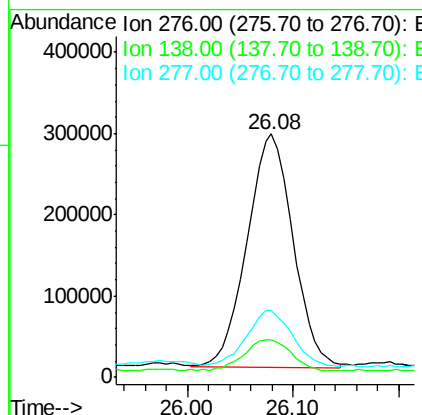
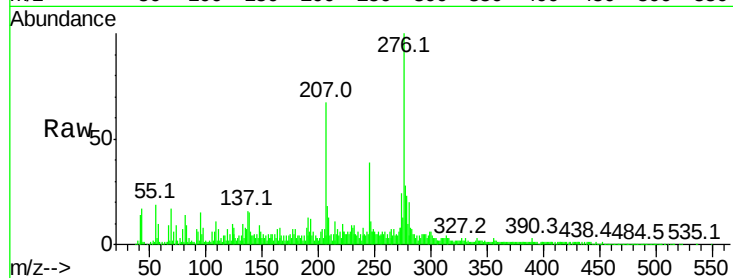


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.026 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. 0.05 min
Lab File: BM012237.D
Acq: 17 Oct 2017 04:10

Instrument :
BNA_M
ClientSampleId :

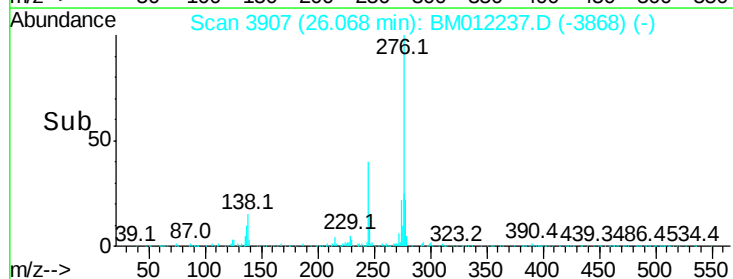
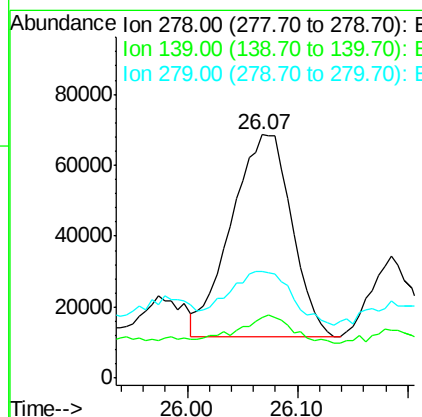
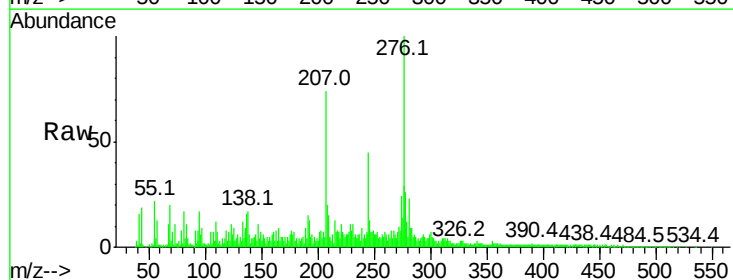
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.2	19.8
277	27.6	20.6	31.0

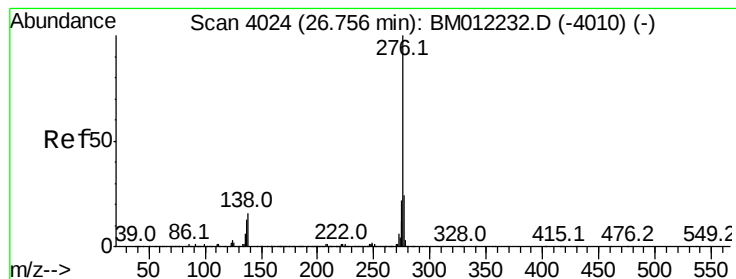


#90

Dibenzo(a,h)anthracene
Concen: 2.095 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.03 min
Lab File: BM012237.D
Acq: 17 Oct 2017 04:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	8.3	12.5#
279	43.9	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 8.602 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. 0.06 min

Lab File: BM012237.D

Acq: 17 Oct 2017 04:10

Instrument :

BNA_M

ClientSampleId :

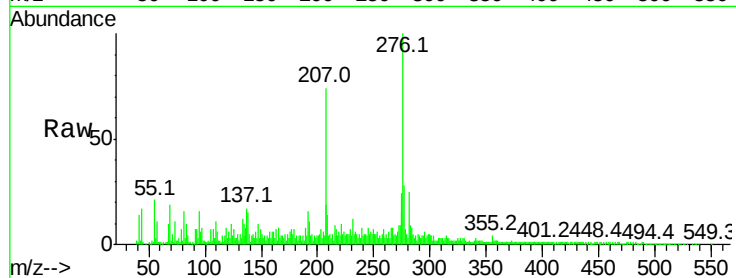
Tot Ion:276 Resp: 870131

Ion Ratio Lower Upper

276 100

138 15.2 10.7 16.1

277 27.6 19.0 28.4



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

