

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012213.D
 Acq On : 15 Oct 2017 17:40
 Operator : SJ/JU
 Sample : I5772-11DL2 100X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE2N9DL2

Quant Time: Oct 16 02:05:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 01:56:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	165128	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	754972	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	489998	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1037314	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	864947	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	736382	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	125	0.04	ng/uL	-0.06
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.15	67	1267	0.16	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	2630	0.23	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	760	0.07	ng/ul	0.04
19) Nitrobenzene-d5	9.00	128	1946	0.34	ng/ul	0.02
22) 2-Nitrophenol-d4	9.72	143	920	0.14	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.28	165	1227	0.10	ng/ul	0.04
29) 4-Chloroaniline-d4	10.77	131	1853	0.15	ng/ul	0.01
43) Dimethylphthalate-d6	13.87	166	15942	0.37	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	18094	0.35	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.46	176	14486	0.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.31	188	26226	0.51	ng/ul	0.00
76) Pyrene-d10	19.61	212	23339	0.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	12748	0.36	ng/ul	0.01

Target Compounds

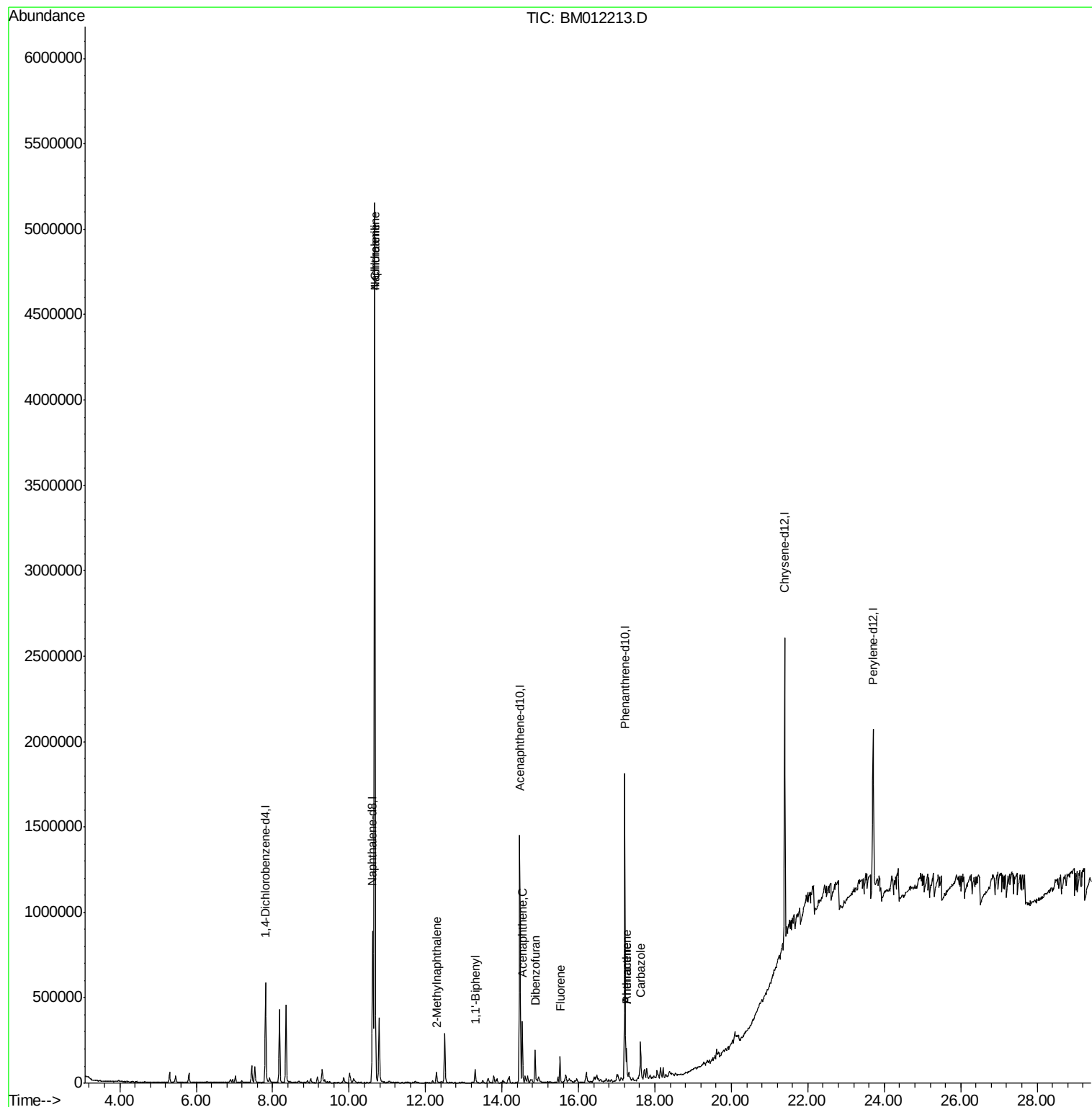
					Ovalue	
28) Naphthalene	10.67	128	4181270	107.046	ng/ul	100
30) 4-Chloroaniline	10.67	127	558018	47.174	ng/ul#	22
34) 2-Methylnaphthalene	12.29	142	31625	1.073	ng/ul	87
40) 1,1'-Biphenyl	13.30	154	48939	1.183	ng/ul	97
49) Acenaphthene	14.53	153	146455	4.224	ng/ul	97
53) Dibenzofuran	14.87	168	131142	2.627	ng/ul	99
58) Fluorene	15.52	166	68153	1.644	ng/ul	97
69) Phenanthrene	17.26	178	99176	1.681	ng/ul	97
71) Anthracene	17.26	178	99174	1.623	ng/ul	97
72) Carbazole	17.62	167	147282	2.849	ng/ul	100

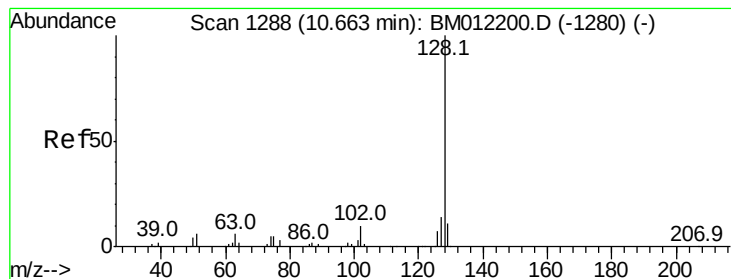
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 107.046 ng/ul

RT: 10.67 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BM012213.D

Acq: 15 Oct 2017 17:40

Instrument :

BNA_M

ClientSampleId :

BE2N9DL2

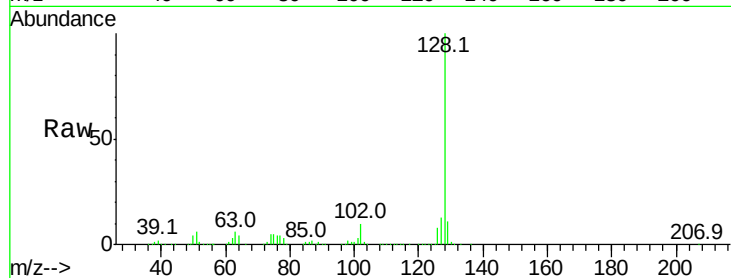
Tot Ion:128 Resp: 4181270

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

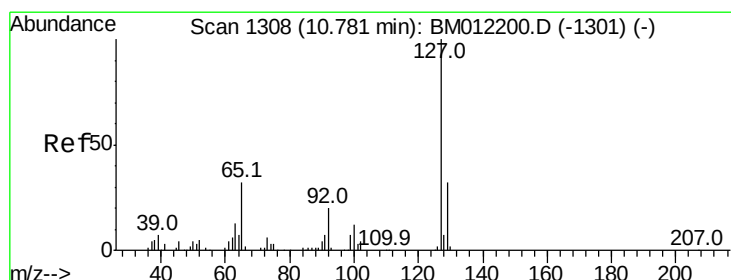
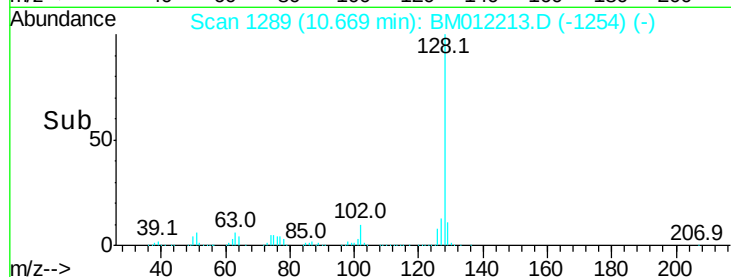
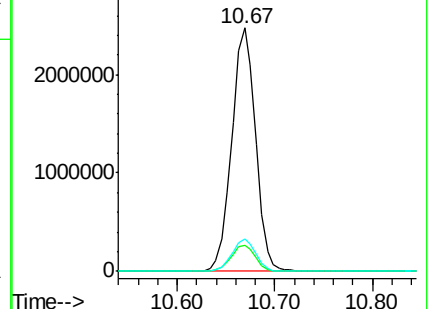
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 47.174 ng/ul

RT: 10.67 min Scan# 1289

Delta R.T. -0.11 min

Lab File: BM012213.D

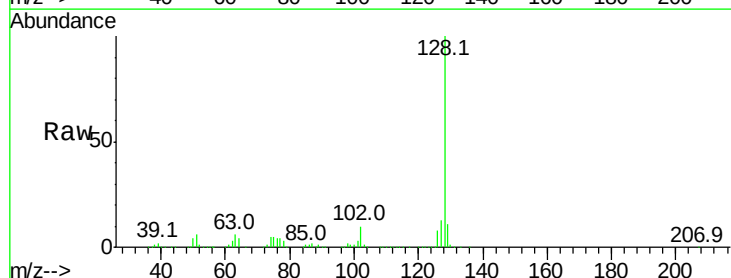
Acq: 15 Oct 2017 17:40

Tgt Ion:127 Resp: 558018

Ion Ratio Lower Upper

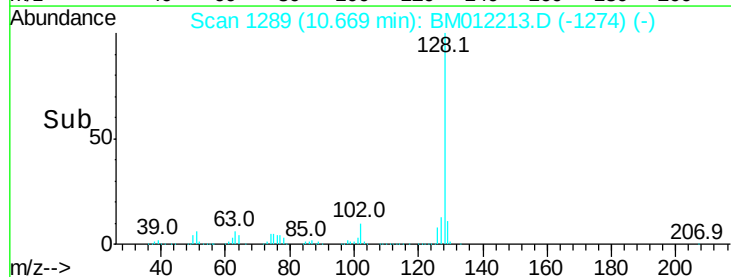
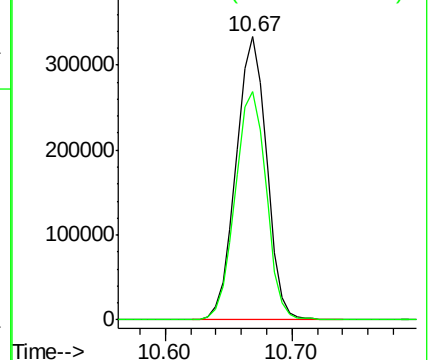
127 100

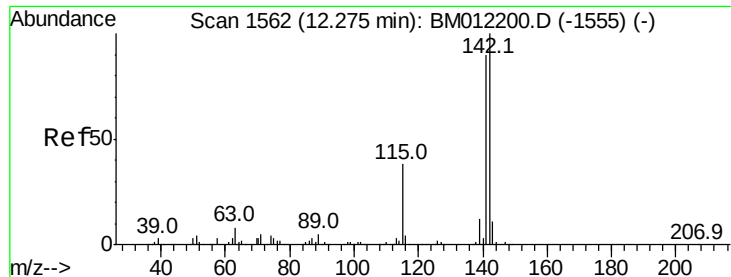
129 80.8 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

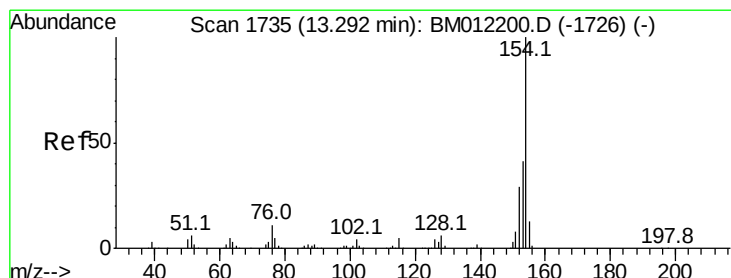
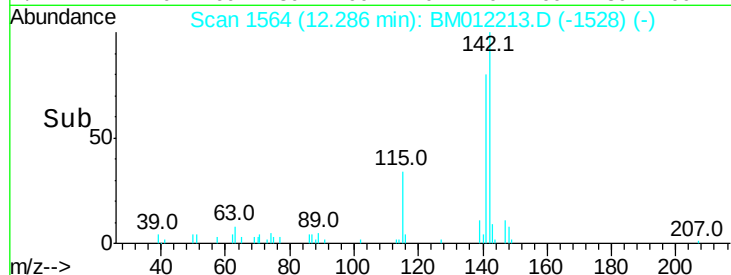
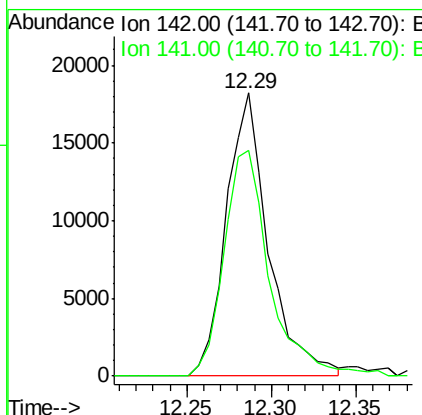
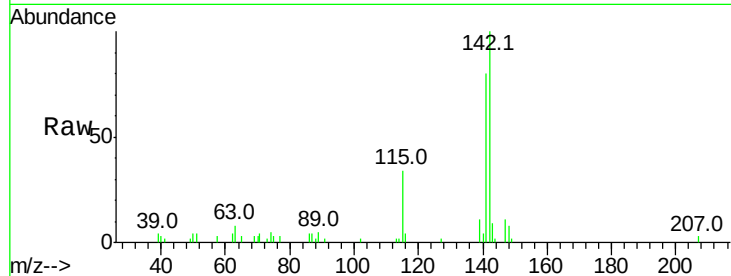




#34
 2-Methylnaphthalene
 Concen: 1.073 ng/ul
 RT: 12.29 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: BM012213.D
 Acq: 15 Oct 2017 17:40

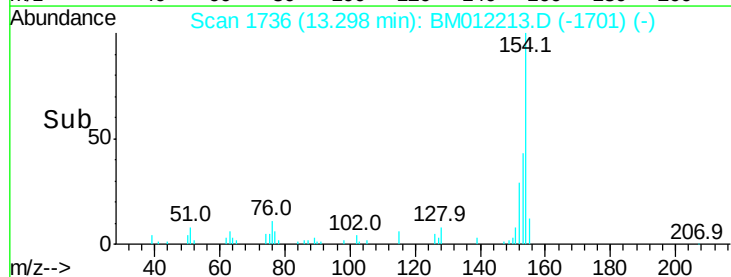
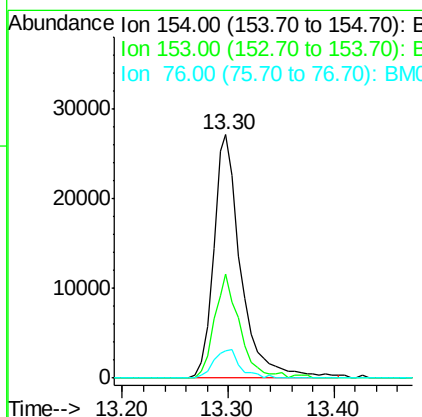
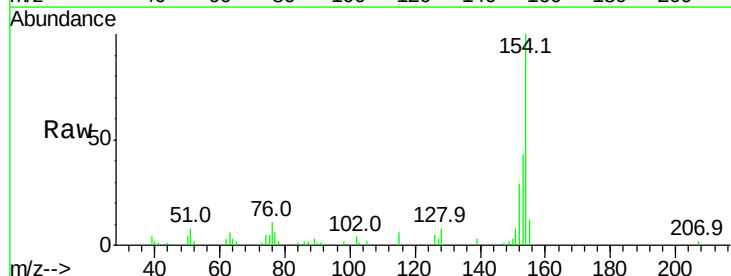
Instrument :
 BNA_M
 ClientSampleId :
 BE2N9DL2

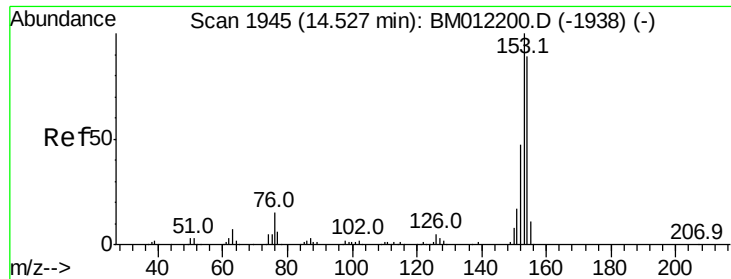
Tot Ion:142 Resp: 31625
 Ion Ratio Lower Upper
 142 100
 141 79.7 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.183 ng/ul
 RT: 13.30 min Scan# 1736
 Delta R.T. 0.01 min
 Lab File: BM012213.D
 Acq: 15 Oct 2017 17:40

Tgt Ion:154 Resp: 48939
 Ion Ratio Lower Upper
 154 100
 153 42.6 32.6 48.8
 76 11.2 8.5 12.7





#49

Acenaphthene

Concen: 4.224 ng/ul

RT: 14.53 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BM012213.D

Acq: 15 Oct 2017 17:40

Instrument :

BNA_M

ClientSampleId :

BE2N9DL2

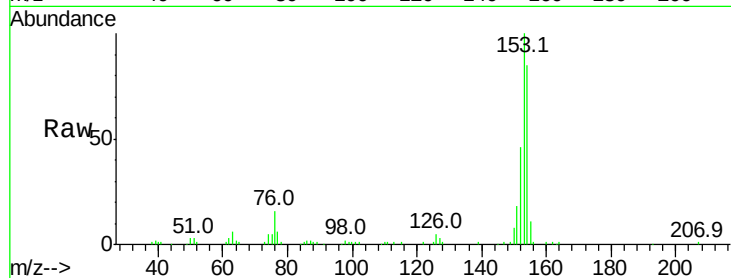
Tot Ion:153 Resp: 146455

Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

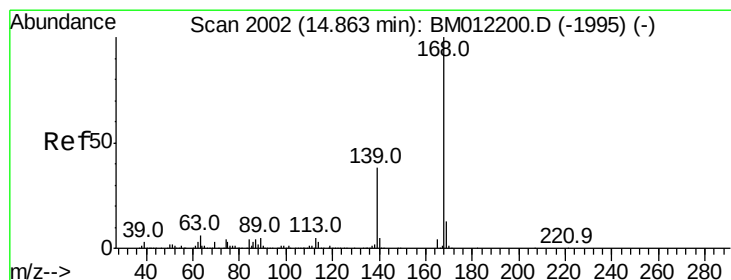
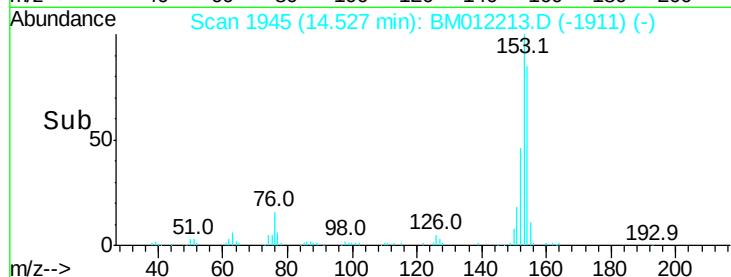
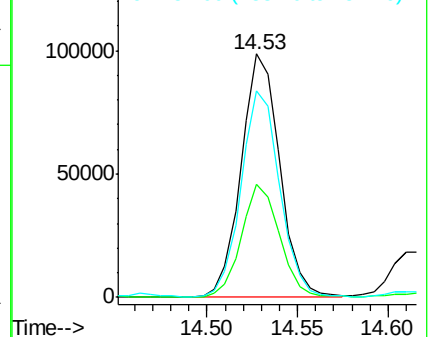
154 84.8 70.4 105.6



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

Dibenzofuran

Concen: 2.627 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM012213.D

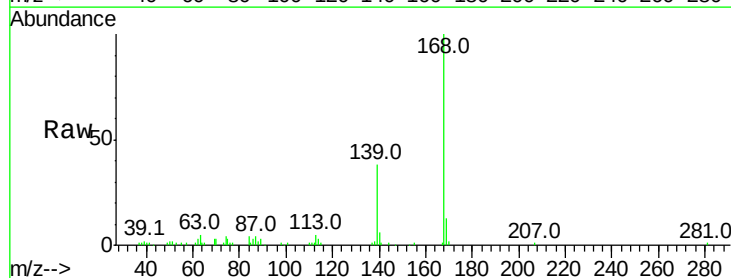
Acq: 15 Oct 2017 17:40

Tgt Ion:168 Resp: 131142

Ion Ratio Lower Upper

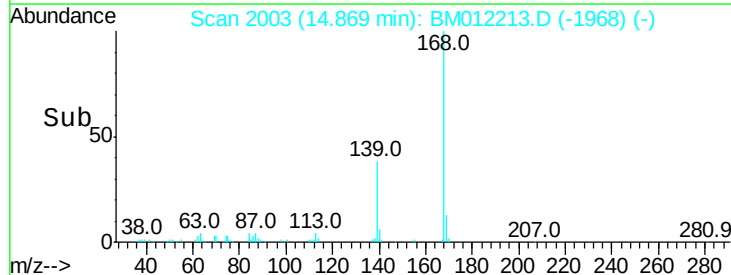
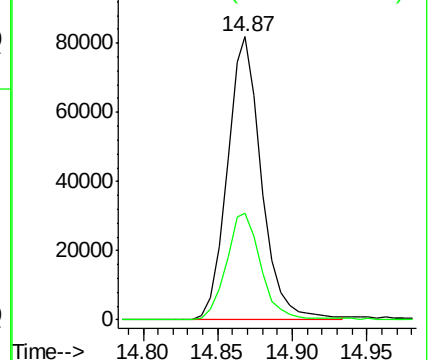
168 100

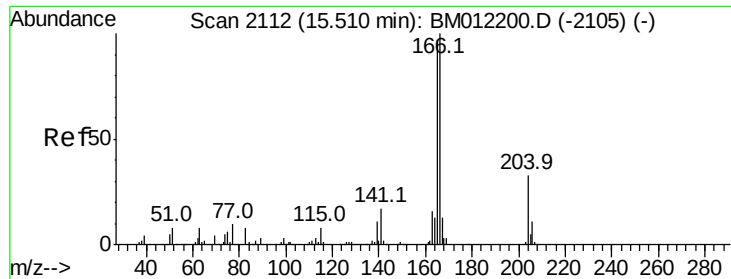
139 37.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.644 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM012213.D

Acq: 15 Oct 2017 17:40

Instrument :

BNA_M

ClientSampleId :

BE2N9DL2

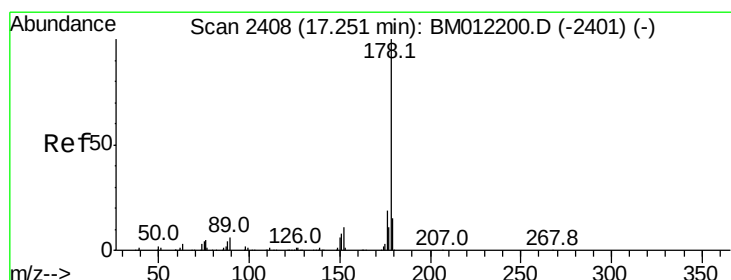
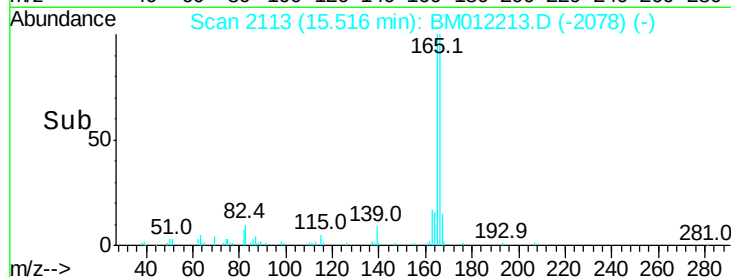
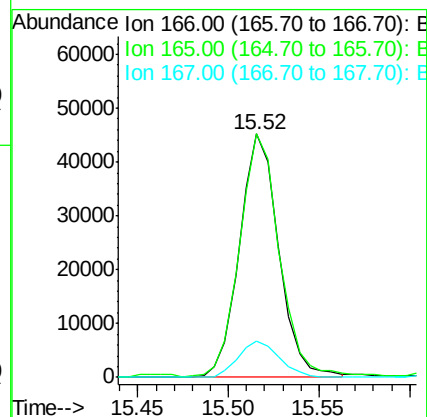
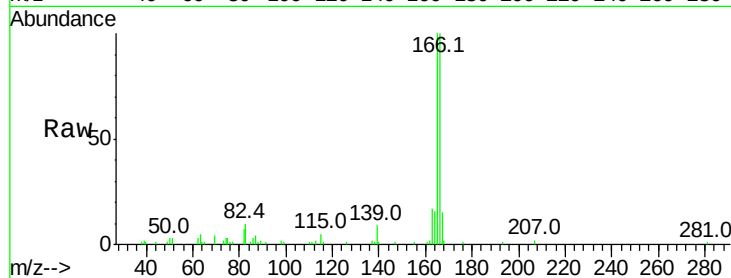
Tot Ion:166 Resp: 68153

Ion Ratio Lower Upper

166 100

165 99.9 77.9 116.9

167 14.7 10.6 16.0



#69

Phenanthrene

Concen: 1.681 ng/ul

RT: 17.26 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BM012213.D

Acq: 15 Oct 2017 17:40

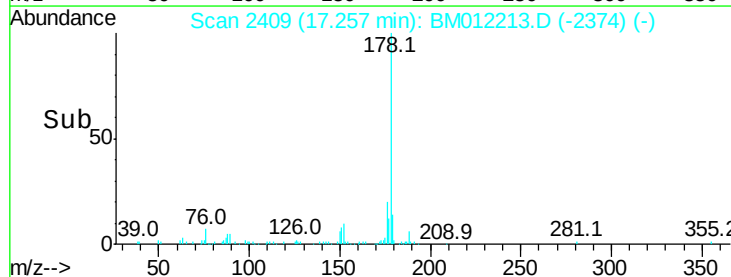
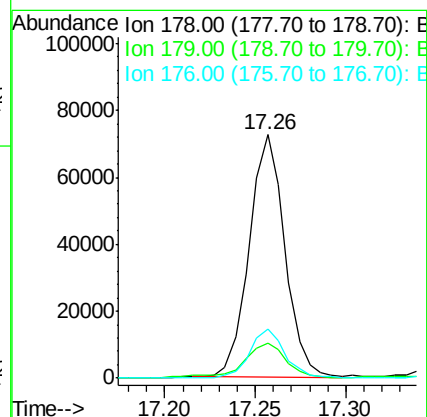
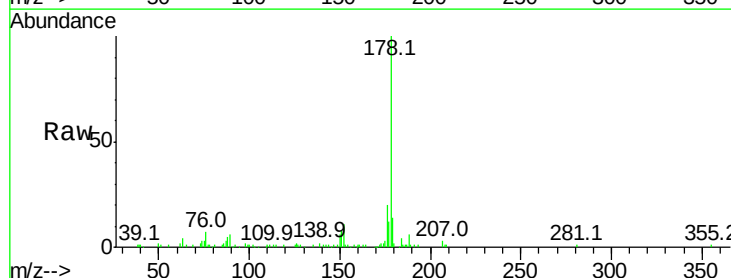
Tgt Ion:178 Resp: 99176

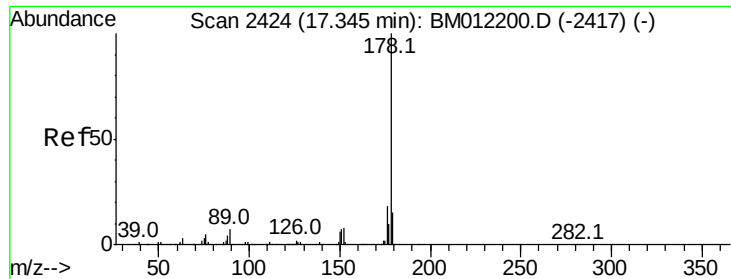
Ion Ratio Lower Upper

178 100

179 14.4 12.6 19.0

176 20.1 14.9 22.3

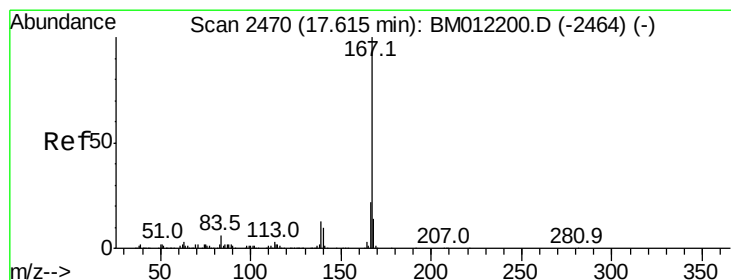
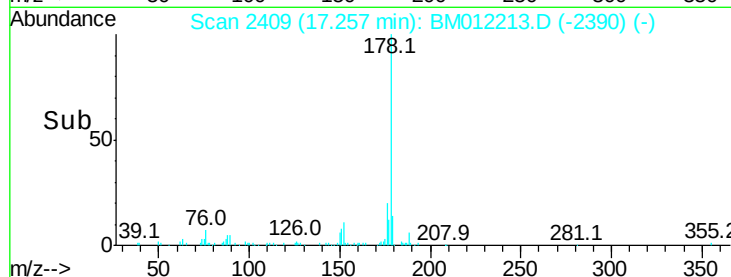
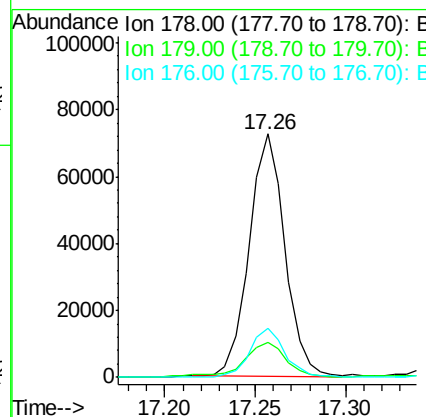
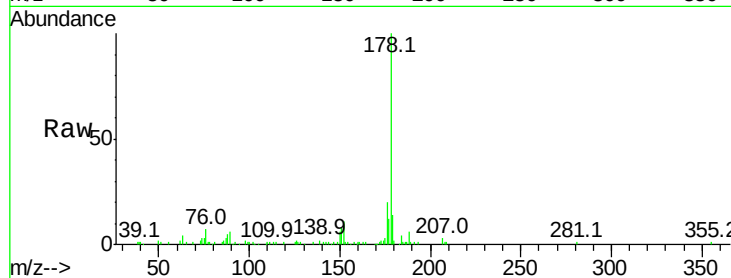




#71
 Anthracene
 Concen: 1.623 ng/ul
 RT: 17.26 min Scan# 2409
 Delta R.T. -0.09 min
 Lab File: BM012213.D
 Acq: 15 Oct 2017 17:40

Instrument :
 BNA_M
 ClientSampleId :
 BE2N9DL2

Tot Ion:178 Resp: 99174
 Ion Ratio Lower Upper
 178 100
 179 14.4 11.7 17.5
 176 20.1 14.6 21.8



#72
 Carbazole
 Concen: 2.849 ng/ul
 RT: 17.62 min Scan# 2471
 Delta R.T. 0.01 min
 Lab File: BM012213.D
 Acq: 15 Oct 2017 17:40

Tgt Ion:167 Resp: 147282
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 12.5 10.0 15.0

