

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012136.D
 Acq On : 13 Oct 2017 14:30
 Operator : SJ/JU
 Sample : I5772-04DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 18:51:16 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	179144	20.00	ng/ul	0.02
18) Naphthalene-d8	10.65	136	774633	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	484427	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.24	188	1143306	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1318622	20.00	ng/ul	0.02
83) Perylene-d12	23.76	264	1086771	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	2144	0.57	ng/uL	0.00
5) Phenol-d5	7.02	99	23459	1.61	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.17	67	60229	6.91	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	76662	6.22	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	49655	3.97	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	45325	7.67	ng/ul	0.02
22) 2-Nitrophenol-d4	9.73	143	51902	7.51	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.28	165	92267	7.00	ng/ul	0.02
29) 4-Chloroaniline-d4	10.80	131	8178	0.66	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	335687	7.84	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	406840	7.85	ng/ul	0.02
51) 4-Nitrophenol-d4	14.74	143	7097	1.10	ng/ul	0.06
57) Fluorene-d10	15.49	176	285332	8.12	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.64	200	8632	1.10	ng/ul	0.04
70) Anthracene-d10	17.34	188	453445	8.02	ng/ul	0.02
76) Pyrene-d10	19.64	212	524432	7.83	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.61	264	418663	7.99	ng/ul	0.04

Target Compounds

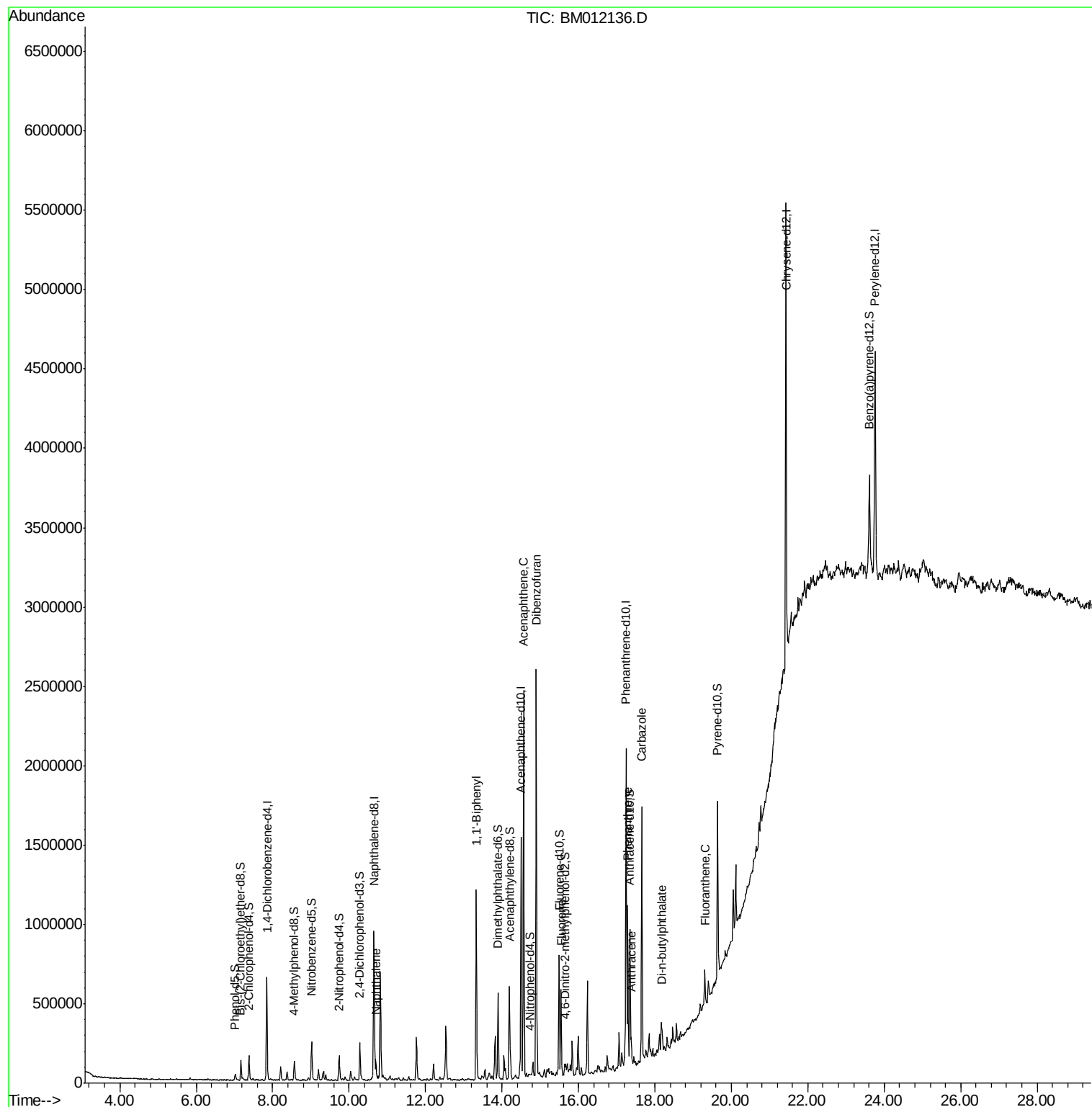
					Ovalue
28) Naphthalene	10.70	128	82957	2.070	ng/ul 99
40) 1,1'-Biphenyl	13.33	154	631284	15.441	ng/ul 99
49) Acenaphthene	14.56	153	934450	27.259	ng/ul 99
53) Dibenzofuran	14.90	168	1577114	31.951	ng/ul 99
58) Fluorene	15.54	166	221703	5.408	ng/ul# 95
69) Phenanthrene	17.29	178	546823	8.408	ng/ul 98
71) Anthracene	17.38	178	95604	1.420	ng/ul 98
72) Carbazole	17.66	167	1037407	18.205	ng/ul 99
73) Di-n-butylphthalate	18.19	149	113295	1.432	ng/ul 97
74) Fluoranthene	19.30	202	124917	1.591	ng/ul# 93

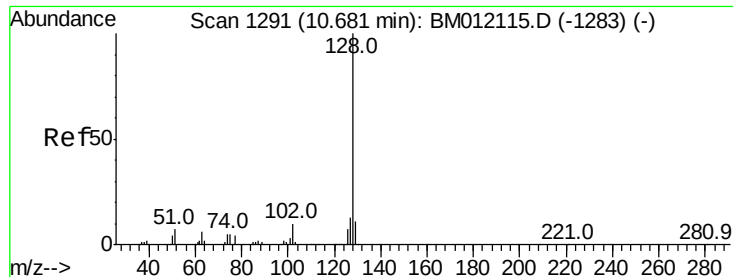
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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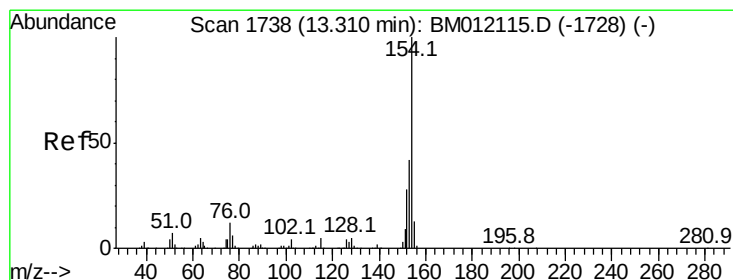
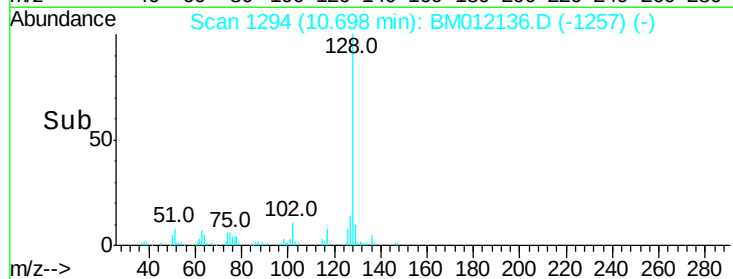
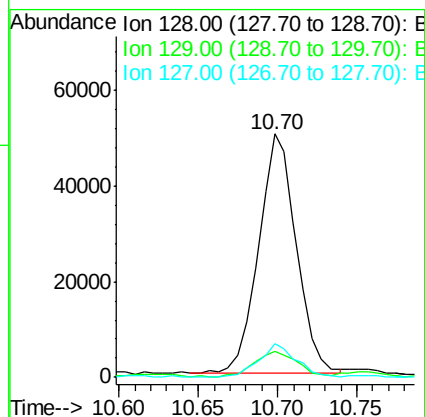
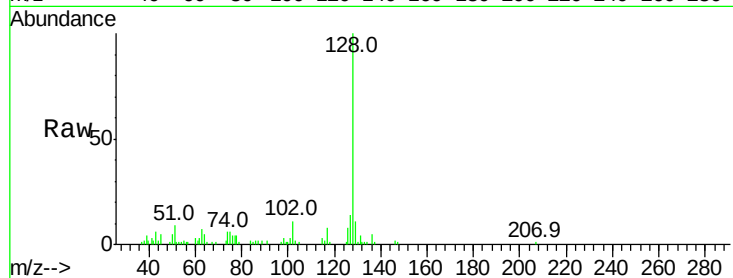




#28
Naphthalene
Concen: 2.070 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. 0.02 min
Lab File: BM012136.D
Acq: 13 Oct 2017 14:30

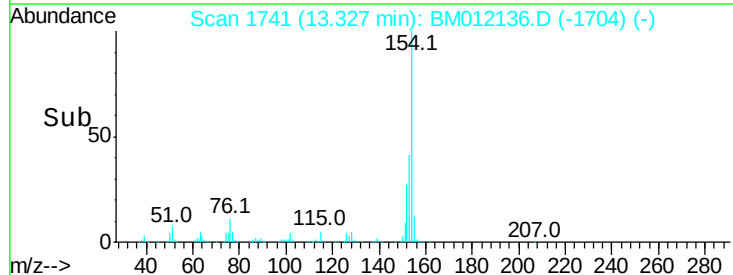
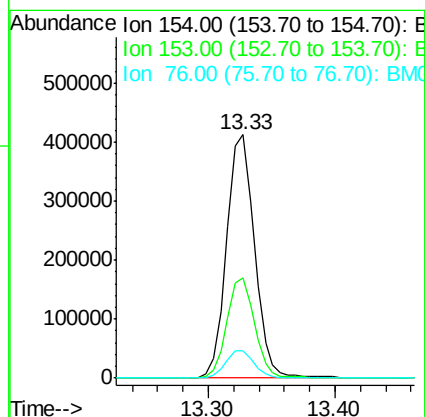
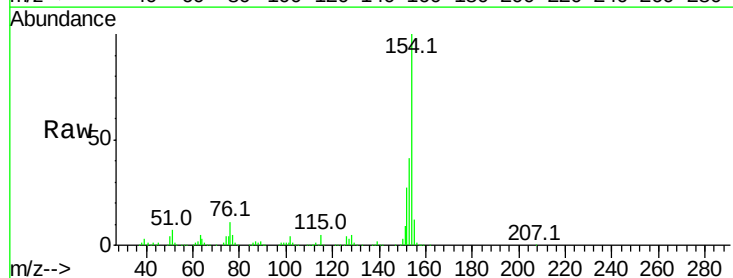
Instrument :
BNA_M
ClientSampleId :

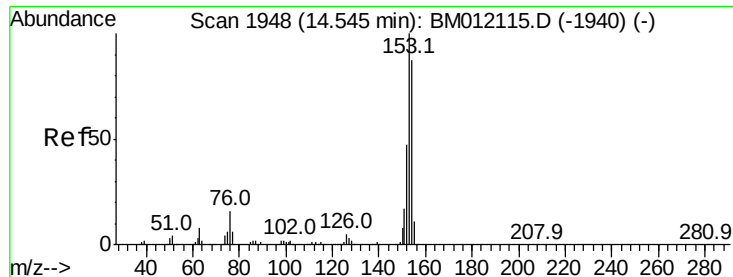
Tot Ion:128 Resp: 82957
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 14.0 10.6 16.0



#40
1,1'-Biphenyl
Concen: 15.441 ng/ul
RT: 13.33 min Scan# 1741
Delta R.T. 0.02 min
Lab File: BM012136.D
Acq: 13 Oct 2017 14:30

Tgt Ion:154 Resp: 631284
Ion Ratio Lower Upper
154 100
153 41.3 32.6 48.8
76 11.3 8.5 12.7





#49

Acenaphthene

Concen: 27.259 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

Instrument :

BNA_M

ClientSampleId :

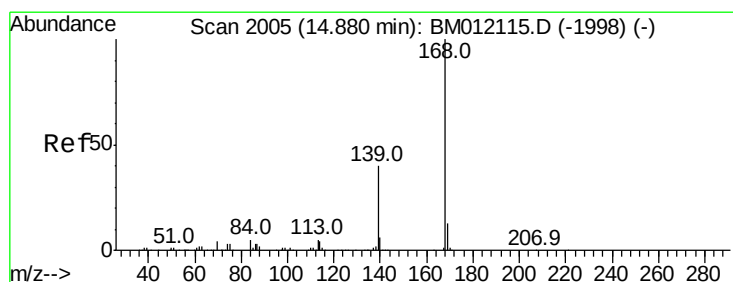
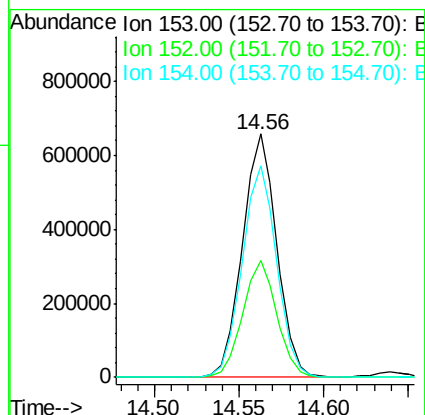
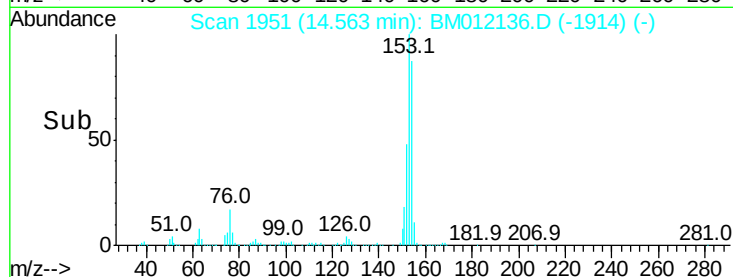
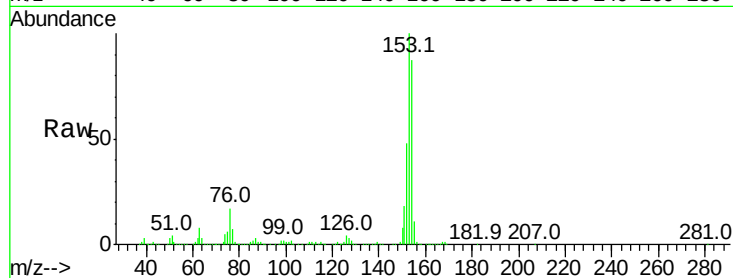
Tot Ion:153 Resp: 934450

Ion Ratio Lower Upper

153 100

152 47.8 37.6 56.4

154 87.0 70.4 105.6



#53

Dibenzofuran

Concen: 31.951 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BM012136.D

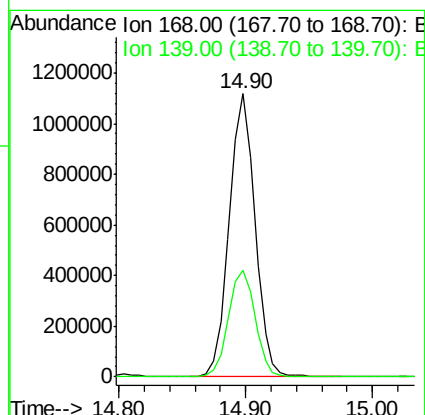
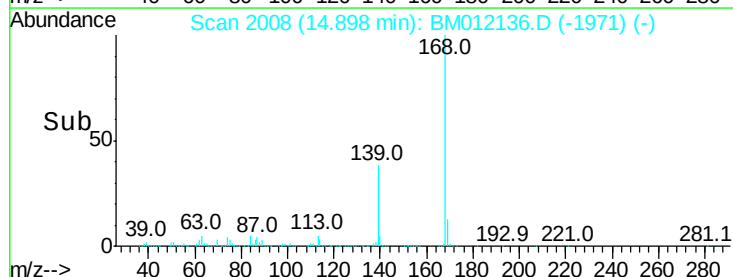
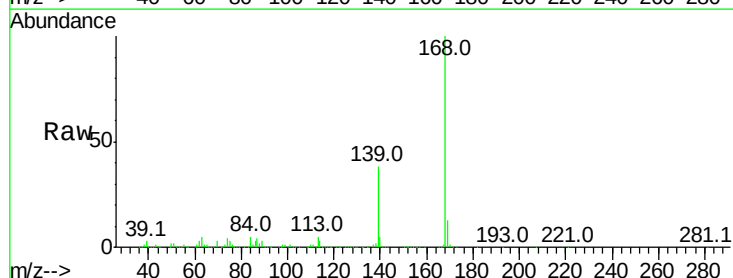
Acq: 13 Oct 2017 14:30

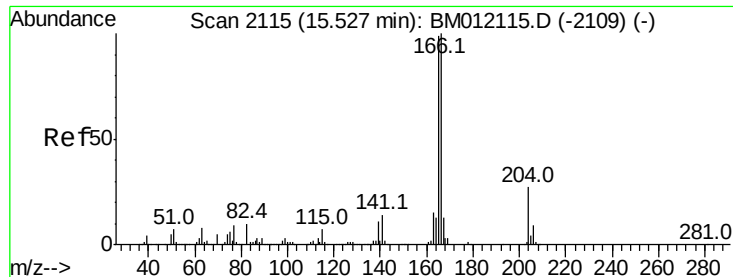
Tgt Ion:168 Resp: 1577114

Ion Ratio Lower Upper

168 100

139 37.7 30.8 46.2





#58

Fluorene

Concen: 5.408 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. 0.02 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

Instrument :

BNA_M

ClientSampleId :

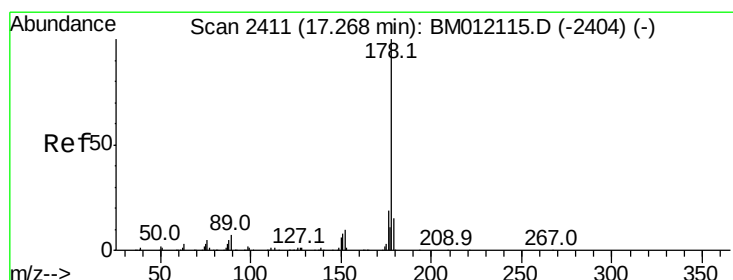
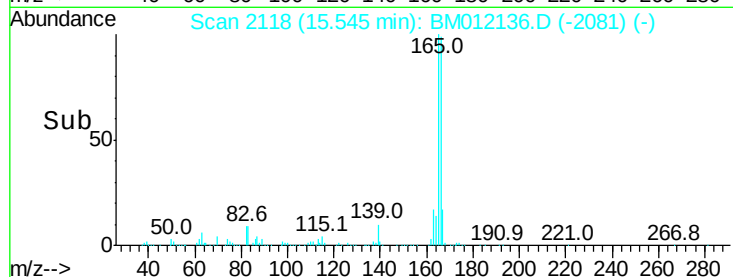
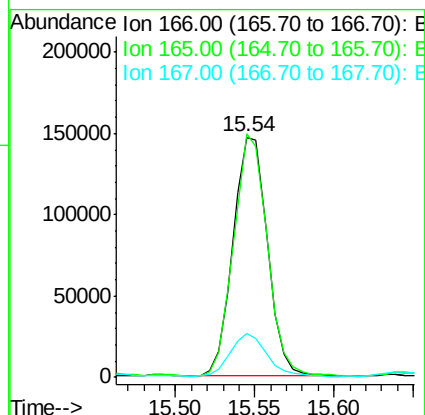
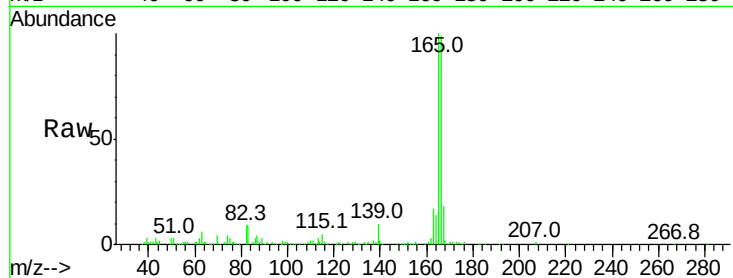
Tot Ion:166 Resp: 221703

Ion Ratio Lower Upper

166 100

165 101.4 77.9 116.9

167 18.2 10.6 16.0#



#69

Phenanthrene

Concen: 8.408 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.02 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

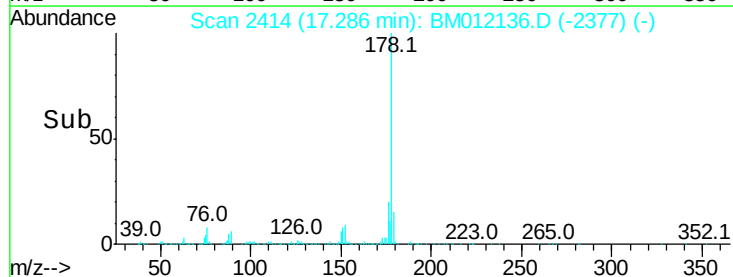
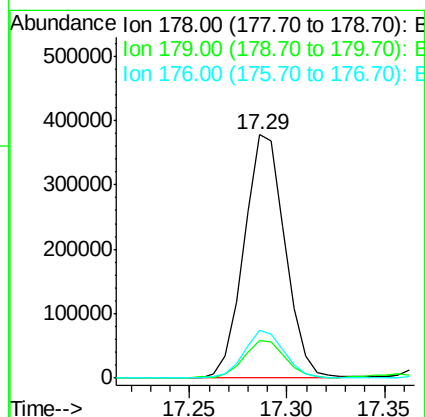
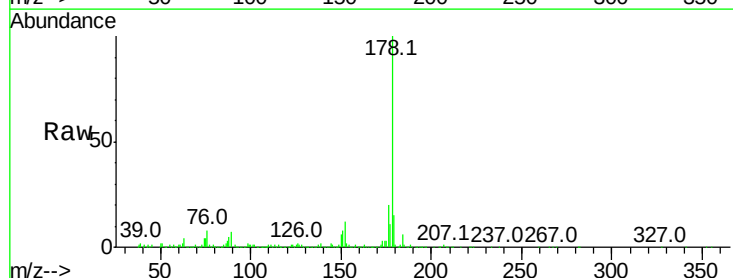
Tgt Ion:178 Resp: 546823

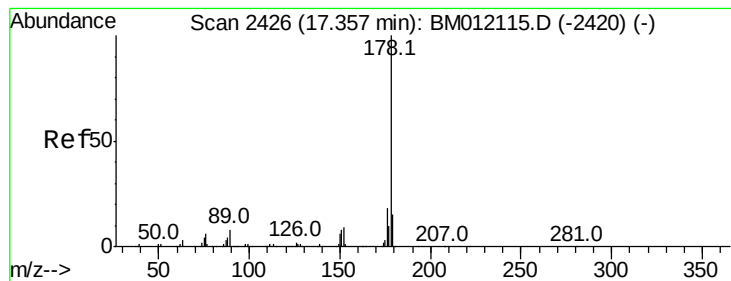
Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.9 14.9 22.3





#71

Anthracene

Concen: 1.420 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

Instrument :

BNA_M

ClientSampleId :

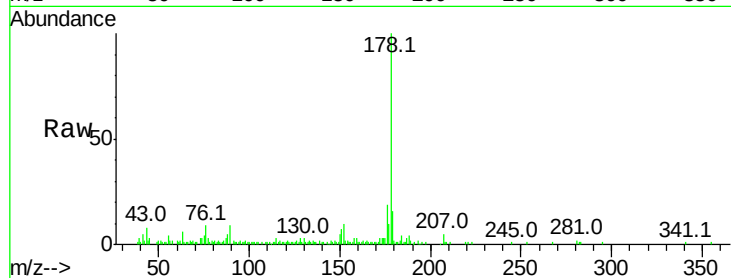
Tot Ion:178 Resp: 95604

Ion Ratio Lower Upper

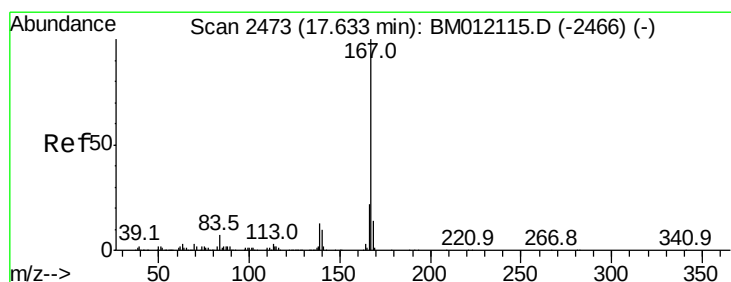
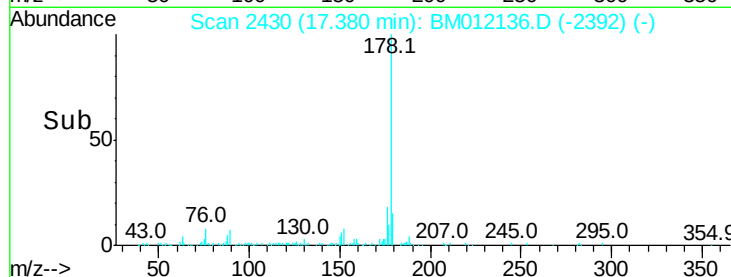
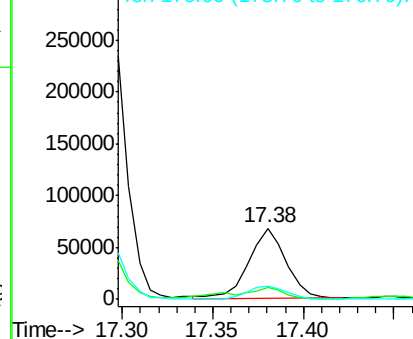
178 100

179 16.0 11.7 17.5

176 18.8 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: 18.205 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. 0.02 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

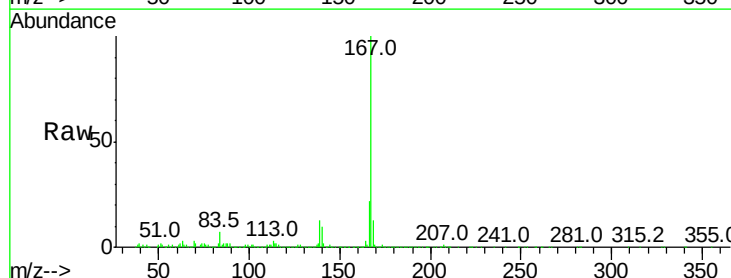
Tgt Ion:167 Resp: 1037407

Ion Ratio Lower Upper

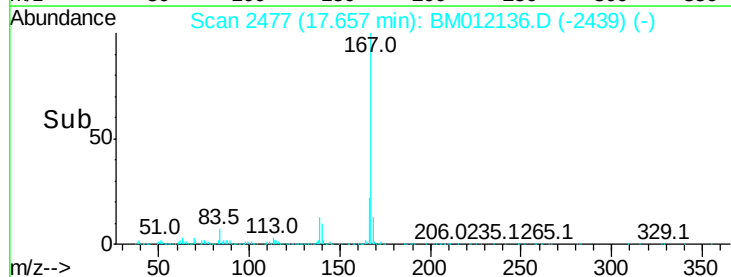
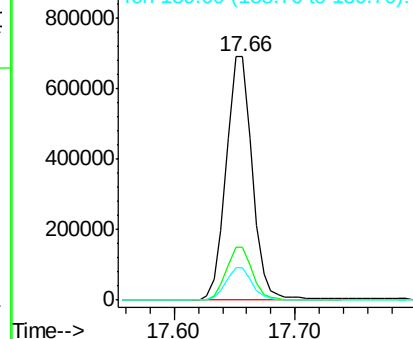
167 100

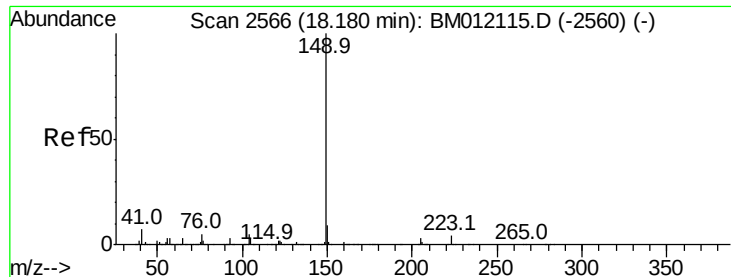
166 21.9 17.1 25.7

139 13.2 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 1.432 ng/ul

RT: 18.19 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

Instrument :

BNA_M

ClientSampled :

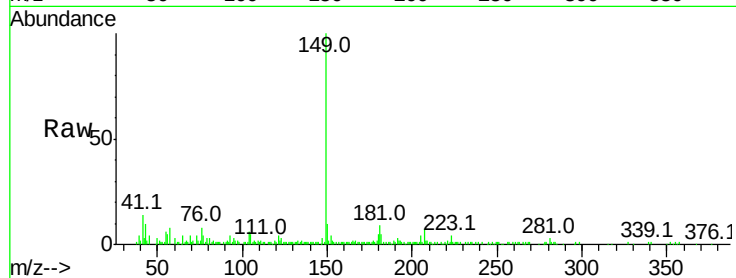
Tot Ion:149 Resp: 113295

Ion Ratio Lower Upper

149 100

150 9.8 7.1 10.7

104 5.8 5.6 8.4



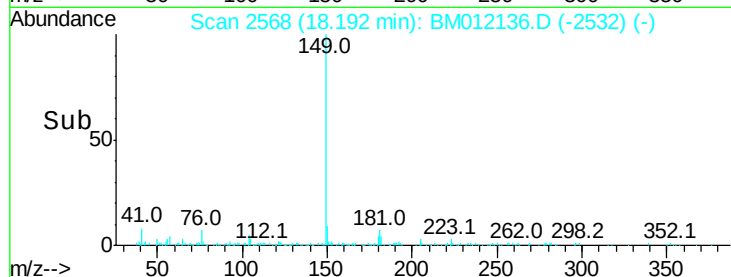
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

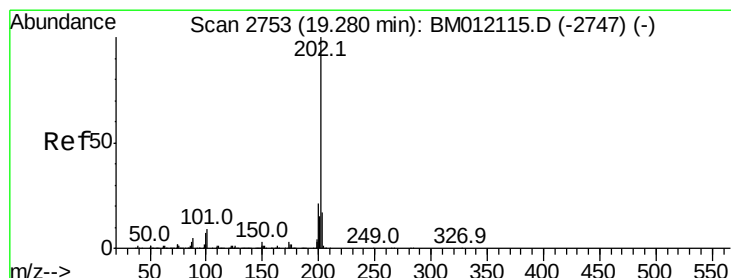
Ion 104.00 (103.70 to 104.70): E

18.19

Time-->



Time-->



#74

Fluoranthene

Concen: 1.591 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.02 min

Lab File: BM012136.D

Acq: 13 Oct 2017 14:30

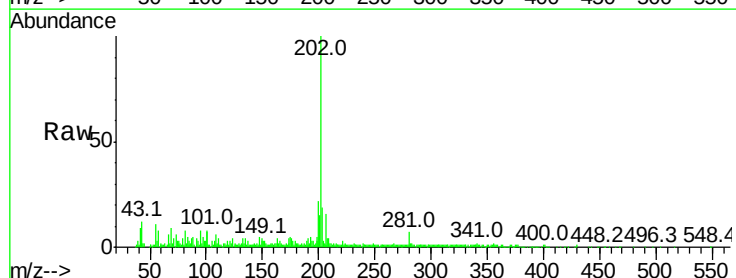
Tgt Ion:202 Resp: 124917

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

100 6.6 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

19.30

Time-->

