

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012212.D
 Acq On : 15 Oct 2017 17:03
 Operator : SJ/JU
 Sample : I5772-11DL 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE2N9DL

Quant Time: Oct 16 02:04:46 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	7.82	152	165234	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	693442	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.47	164	430014	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	979413	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	740930	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	707439	20.00	ng/ul	0.01

System Monitoring Compounds

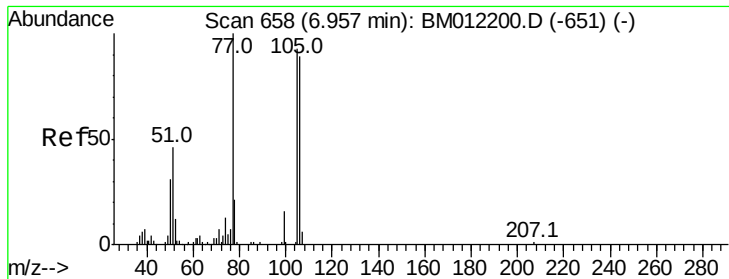
3) 1,4-Dioxane-d8	3.23	96	655	0.19	ng/uL	0.00
5) Phenol-d5	6.99	99	8692	0.65	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	22963	2.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	31657	2.78	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	19562	1.69	ng/ul	0.01
19) Nitrobenzene-d5	9.05	128	268	0.05	ng/ul	0.07
22) 2-Nitrophenol-d4	9.71	143	19701	3.19	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.26	165	42859	3.63	ng/ul	0.02
29) 4-Chloroaniline-d4	10.77	131	25274	2.29	ng/ul	0.01
43) Dimethylphthalate-d6	13.87	166	151900	4.00	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	175562	3.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	1297	0.23	ng/ul	0.03
57) Fluorene-d10	15.46	176	127163	4.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	2156	0.32	ng/ul	0.02
70) Anthracene-d10	17.22	188	979413	20.22	ng/ul	-0.09
76) Pyrene-d10	19.61	212	185666	4.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	138701	4.07	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.95	77	14662	1.637	ng/ul#	1
17) Hexachloroethane	8.92	117	18266	3.730	ng/ul#	1
24) 2,4-Dimethylphenol	9.83	107	14843	1.111	ng/ul	97
30) 4-Chloroaniline	10.70	127	5622051	517.449	ng/ul#	23
34) 2-Methylnaphthalene	12.28	142	301201	11.125	ng/ul	97
40) 1,1'-Biphenyl	13.30	154	440227	12.130	ng/ul	99
47) Acenaphthylene	14.19	152	164753	3.647	ng/ul	98
49) Acenaphthene	14.53	153	1230720	40.445	ng/ul	99
53) Dibenzofuran	14.87	168	1151129	26.272	ng/ul	97
58) Fluorene	15.52	166	656322	18.036	ng/ul	99
60) 4-Nitroaniline	15.52	138	7796	1.074	ng/ul#	15
69) Phenanthrene	17.26	178	931087	16.711	ng/ul	100
72) Carbazole	17.63	167	1392872	28.533	ng/ul	100
74) Fluoranthene	19.27	202	71662	1.066	ng/ul#	93

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

```
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012212.D
Acq On    : 15 Oct 2017  17:03
Operator  : SJ/JU
Sample    : I5772-11DL 10X
Misc      :
ALS Vial  : 42      Sample Multiplier: 1
```



#4

Benzaldehyde

Concen: 1.637 ng/ul

RT: 6.95 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

Instrument :

BNA_M

ClientSampleId :

BE2N9DL

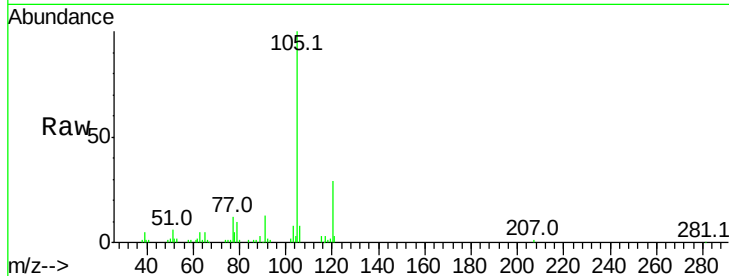
Tot Ion: 77 Resp: 14662

Ion Ratio Lower Upper

77 100

105 825.7 66.1 99.1#

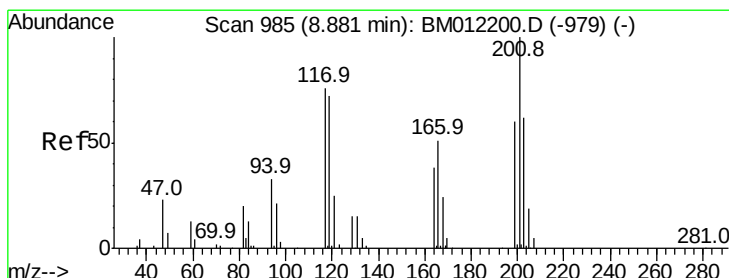
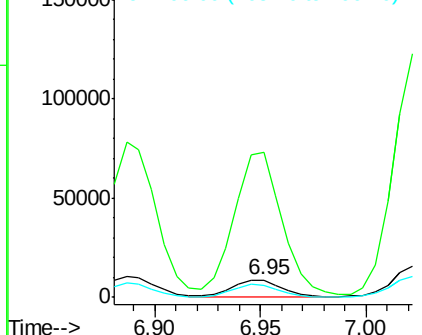
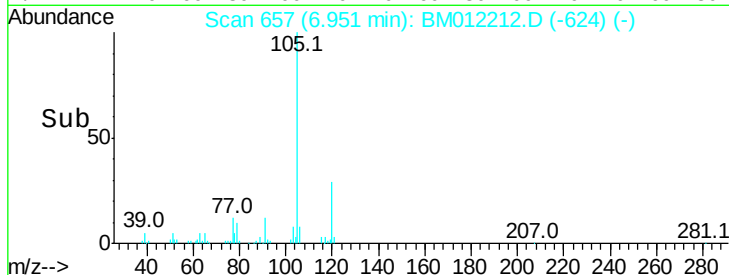
106 64.5 67.8 101.6#



Abundance Ion 77.00 (76.70 to 77.70): BM012212.D (-624) (-)

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#17

Hexachloroethane

Concen: 3.730 ng/ul

RT: 8.92 min Scan# 991

Delta R.T. 0.04 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

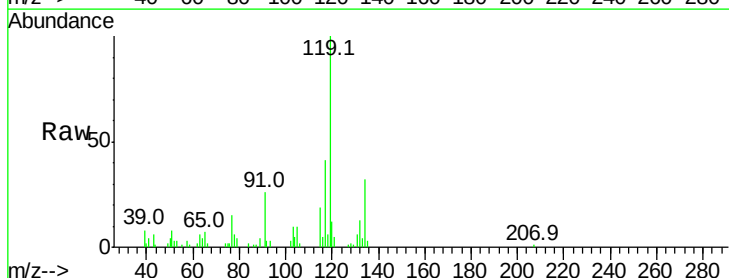
Tgt Ion: 117 Resp: 18266

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

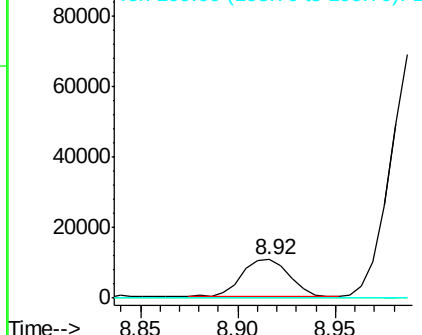
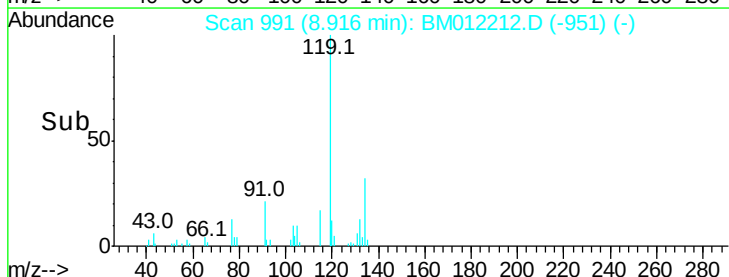
199 0.0 67.8 101.6#

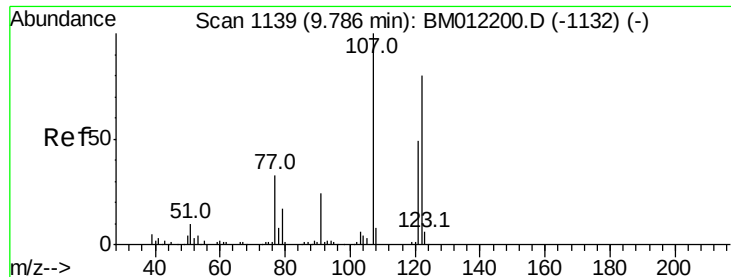


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#24

2,4-Dimethylphenol

Concen: 1.111 ng/ul

RT: 9.83 min Scan# 1147

Delta R.T. 0.05 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

Instrument :

BNA_M

ClientSampleId :

BE2N9DL

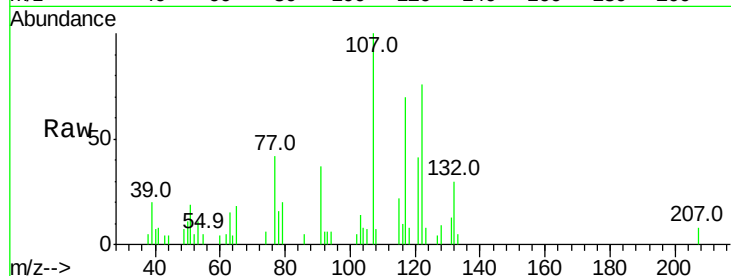
Tot Ion:107 Resp: 14843

Ion Ratio Lower Upper

107 100

121 40.8 31.9 47.9

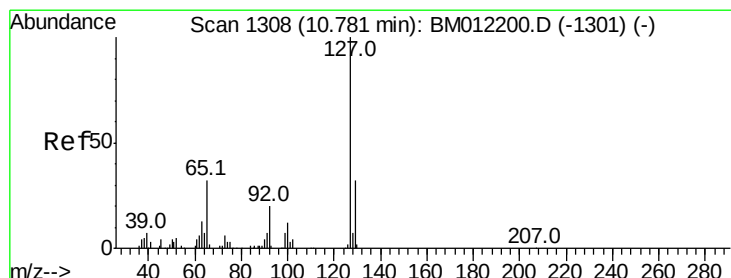
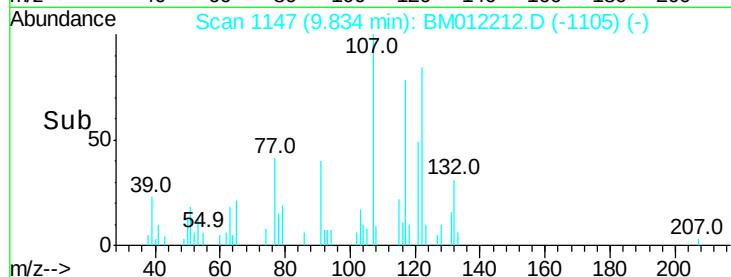
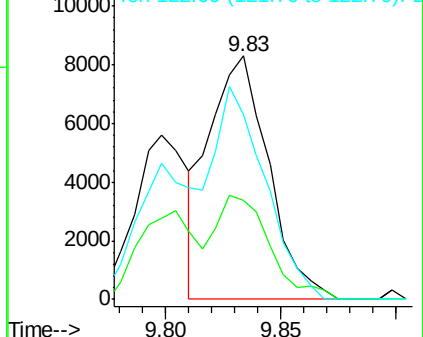
122 76.0 57.8 86.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#30

4-Chloroaniline

Concen: 517.449 ng/ul

RT: 10.70 min Scan# 1295

Delta R.T. -0.08 min

Lab File: BM012212.D

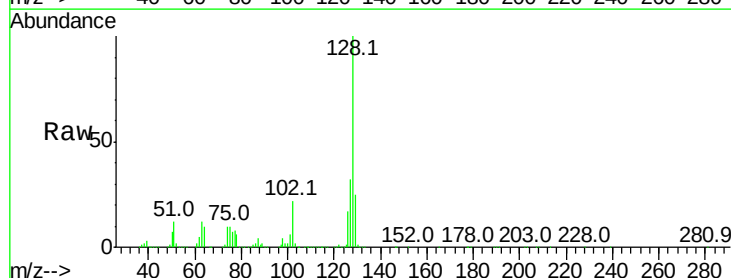
Acq: 15 Oct 2017 17:03

Tgt Ion:127 Resp: 5622051

Ion Ratio Lower Upper

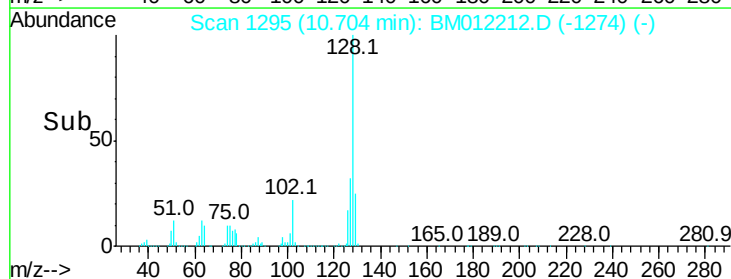
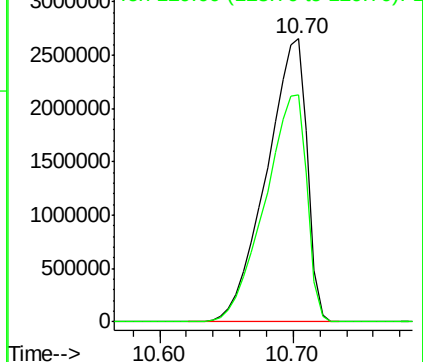
127 100

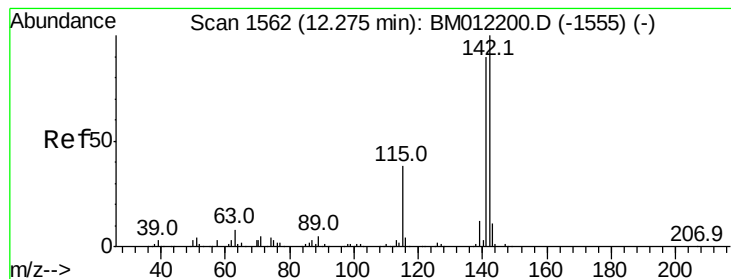
129 80.4 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 11.125 ng/ul

RT: 12.28 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

Instrument :

BNA_M

ClientSampleId :

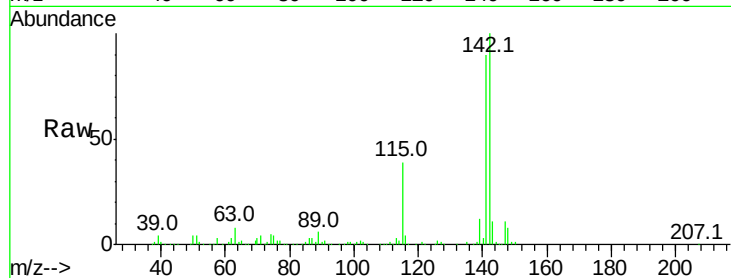
BE2N9DL

Tot Ion:142 Resp: 301201

Ion Ratio Lower Upper

142 100

141 89.9 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.28

200000

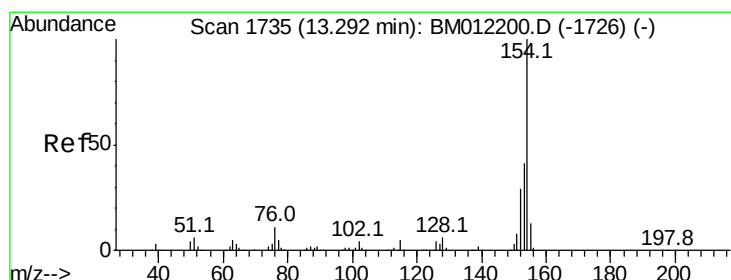
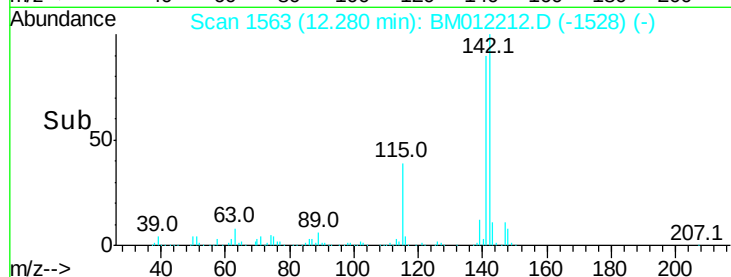
150000

100000

50000

0

Time--> 12.20 12.25 12.30 12.35



#40

1,1'-Biphenyl

Concen: 12.130 ng/ul

RT: 13.30 min Scan# 1736

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

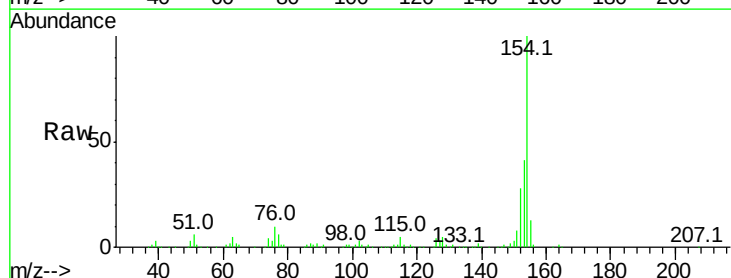
Tgt Ion:154 Resp: 440227

Ion Ratio Lower Upper

154 100

153 41.1 32.6 48.8

76 10.1 8.5 12.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

13.30

400000

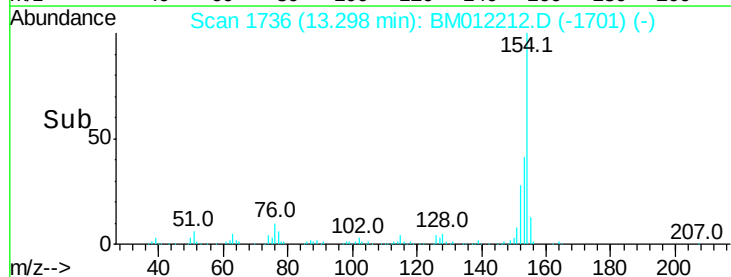
300000

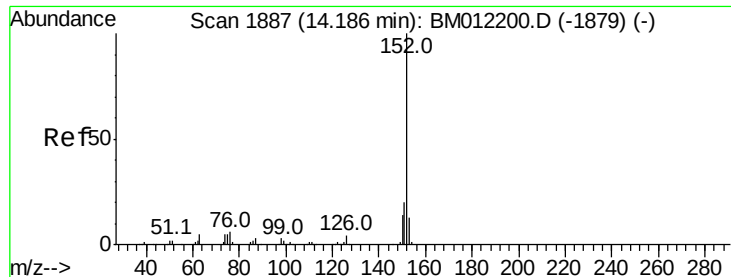
200000

100000

0

Time--> 13.20 13.30 13.40





#47

Acenaphthylene

Concen: 3.647 ng/ul

RT: 14.19 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

Instrument :

BNA_M

ClientSampleId :

BE2N9DL

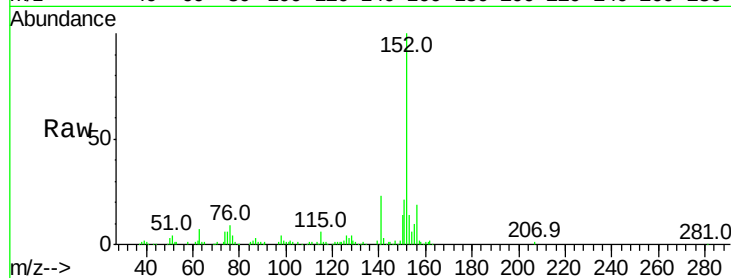
Tot Ion:152 Resp: 164753

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

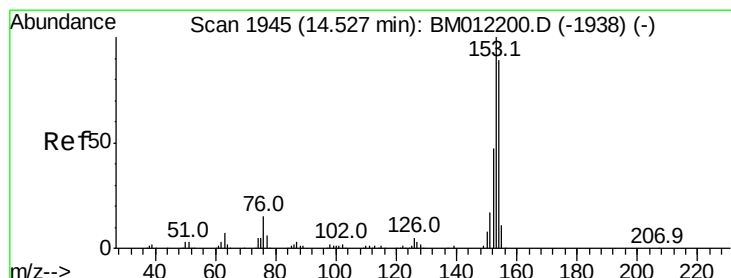
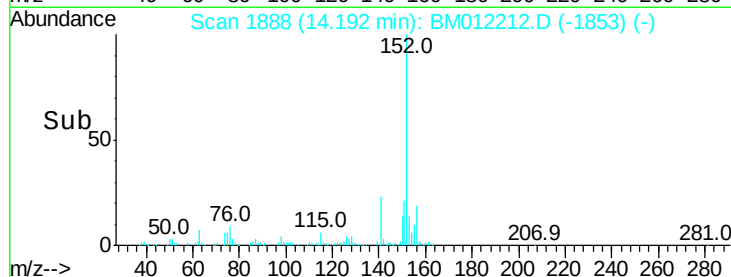
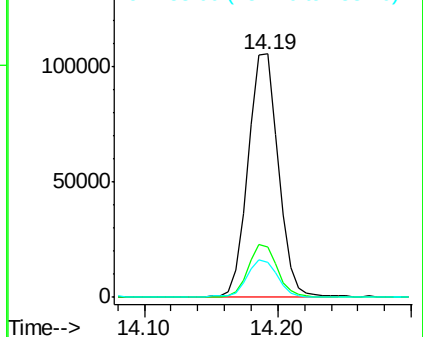
153 14.4 10.2 15.4



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



#49

Acenaphthene

Concen: 40.445 ng/ul

RT: 14.53 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

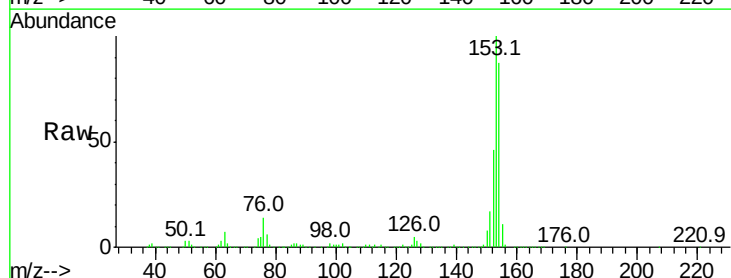
Tgt Ion:153 Resp: 1230720

Ion Ratio Lower Upper

153 100

152 46.1 37.6 56.4

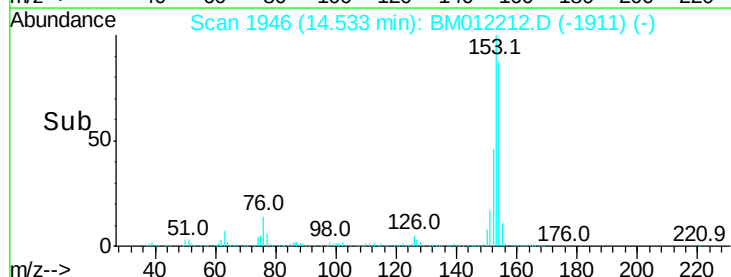
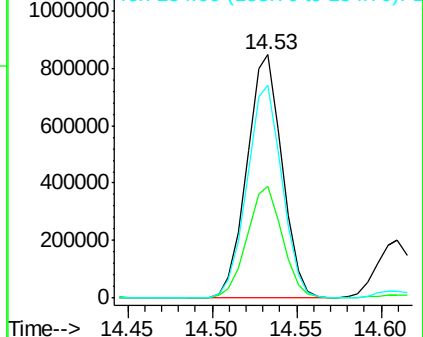
154 87.3 70.4 105.6

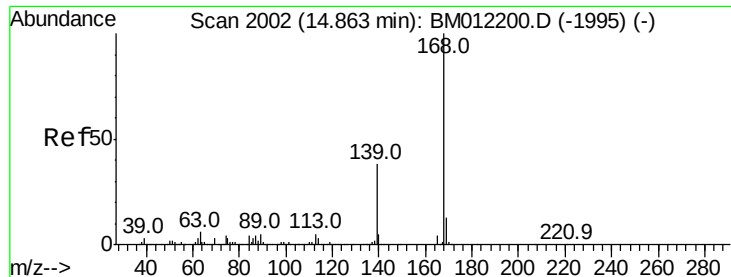


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 26.272 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

Instrument :

BNA_M

ClientSampleId :

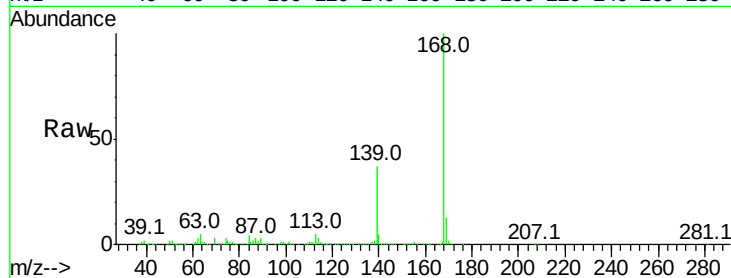
BE2N9DL

Tot Ion:168 Resp: 1151129

Ion Ratio Lower Upper

168 100

139 36.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.87

800000

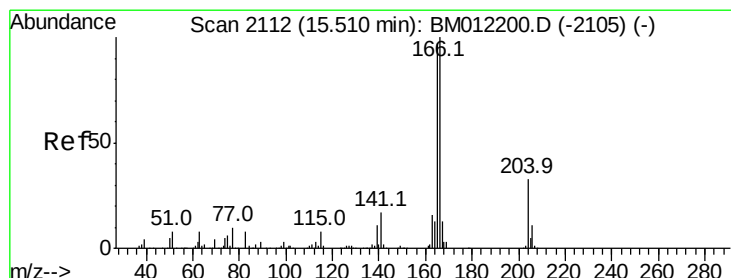
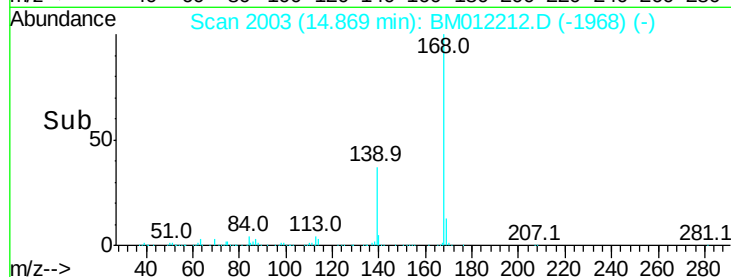
600000

400000

200000

0

Time--> 14.80 14.90



#58

Fluorene

Concen: 18.036 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

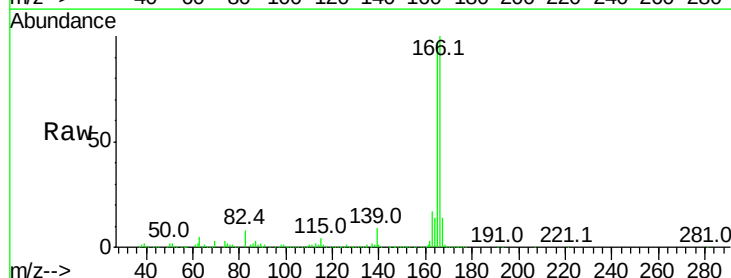
Tgt Ion:166 Resp: 656322

Ion Ratio Lower Upper

166 100

165 97.0 77.9 116.9

167 14.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.52

600000

500000

400000

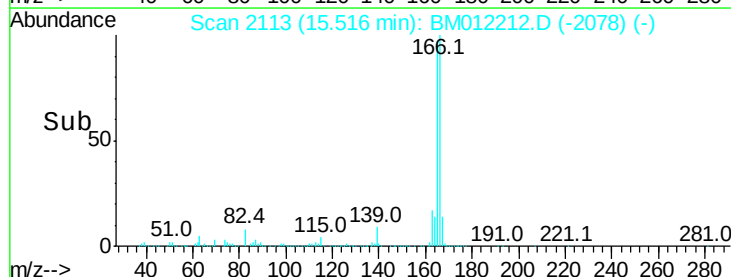
300000

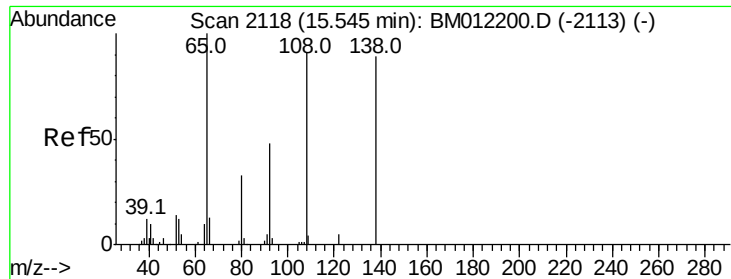
200000

100000

0

Time--> 15.45 15.50 15.55 15.60

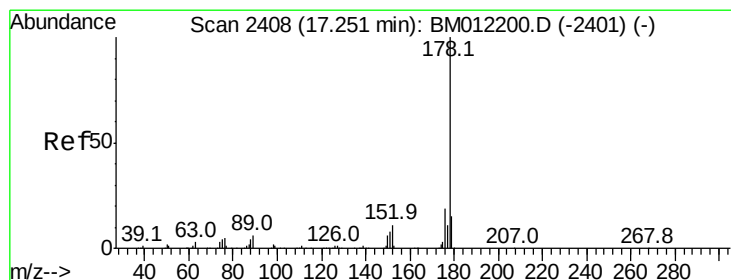
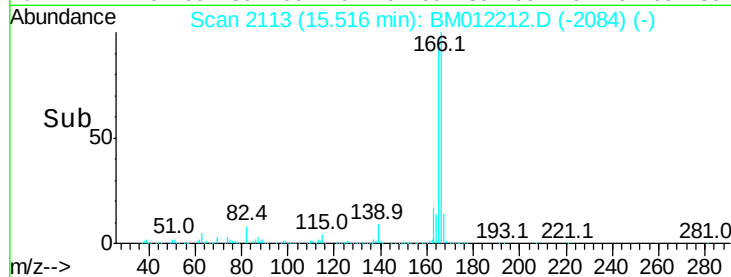
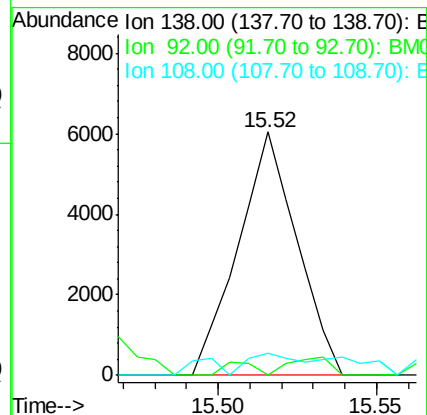
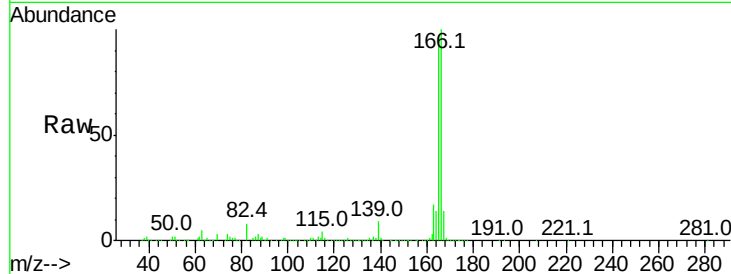




#60
4-Nitroaniline
Concen: 1.074 ng/ul
RT: 15.52 min Scan# 2113
Delta R.T. -0.03 min
Lab File: BM012212.D
Acq: 15 Oct 2017 17:03

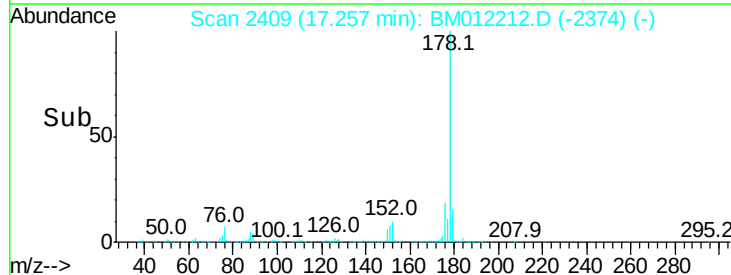
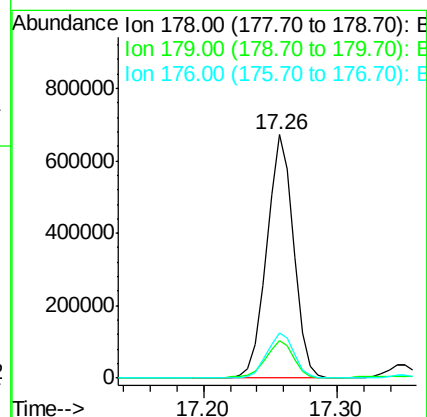
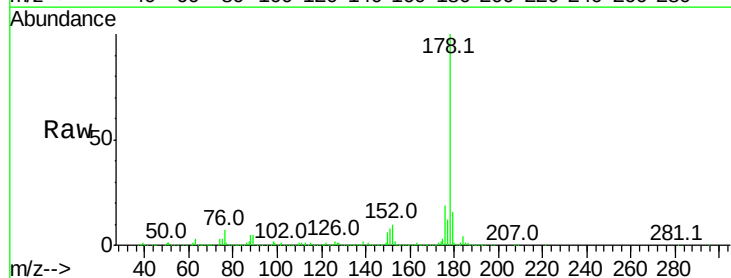
Instrument :
BNA_M
ClientSampleId :
BE2N9DL

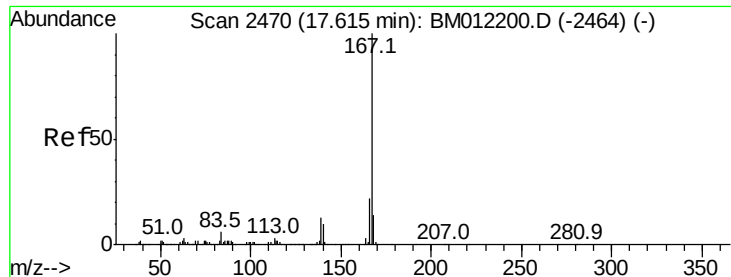
Tot Ion:138 Resp: 7796
Ion Ratio Lower Upper
138 100
92 0.0 40.0 60.0#
108 9.0 80.0 120.0#



#69
Phenanthrene
Concen: 16.711 ng/ul
RT: 17.26 min Scan# 2409
Delta R.T. 0.01 min
Lab File: BM012212.D
Acq: 15 Oct 2017 17:03

Tgt Ion:178 Resp: 931087
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 18.7 14.9 22.3





#72

Carbazole

Concen: 28.533 ng/ul

RT: 17.63 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

Instrument :

BNA_M

ClientSampleId :

BE2N9DL

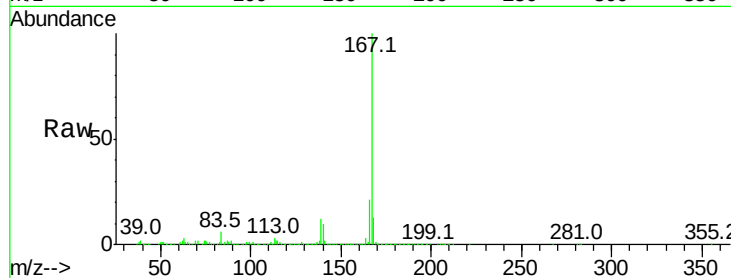
Tot Ion:167 Resp: 1392872

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.4	10.0	15.0

167 100

166 21.4 17.1 25.7

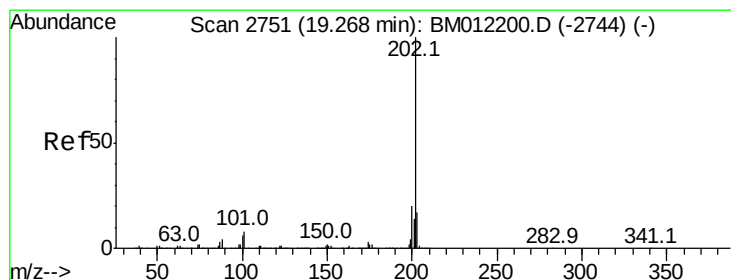
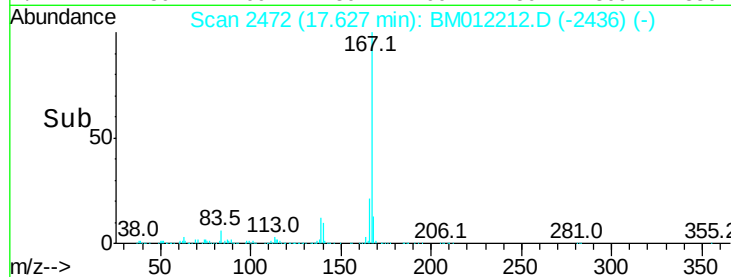
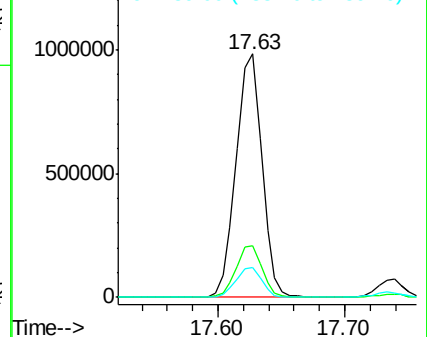
139 12.4 10.0 15.0



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



#74

Fluoranthene

Concen: 1.066 ng/ul

RT: 19.27 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BM012212.D

Acq: 15 Oct 2017 17:03

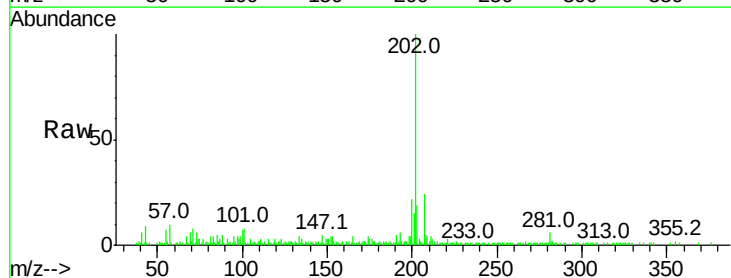
Tgt Ion:202 Resp: 71662

Ion	Ratio	Lower	Upper
202	100		
101	8.0	4.6	7.0#
100	6.5	3.4	5.2#

202 100

101 8.0 4.6 7.0#

100 6.5 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

