

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041919\  
 Data File : BM020001.D  
 Acq On : 20 Apr 2019 10:19  
 Operator : JU/SJ  
 Sample : K2487-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-X

Quant Time: Apr 21 22:09:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

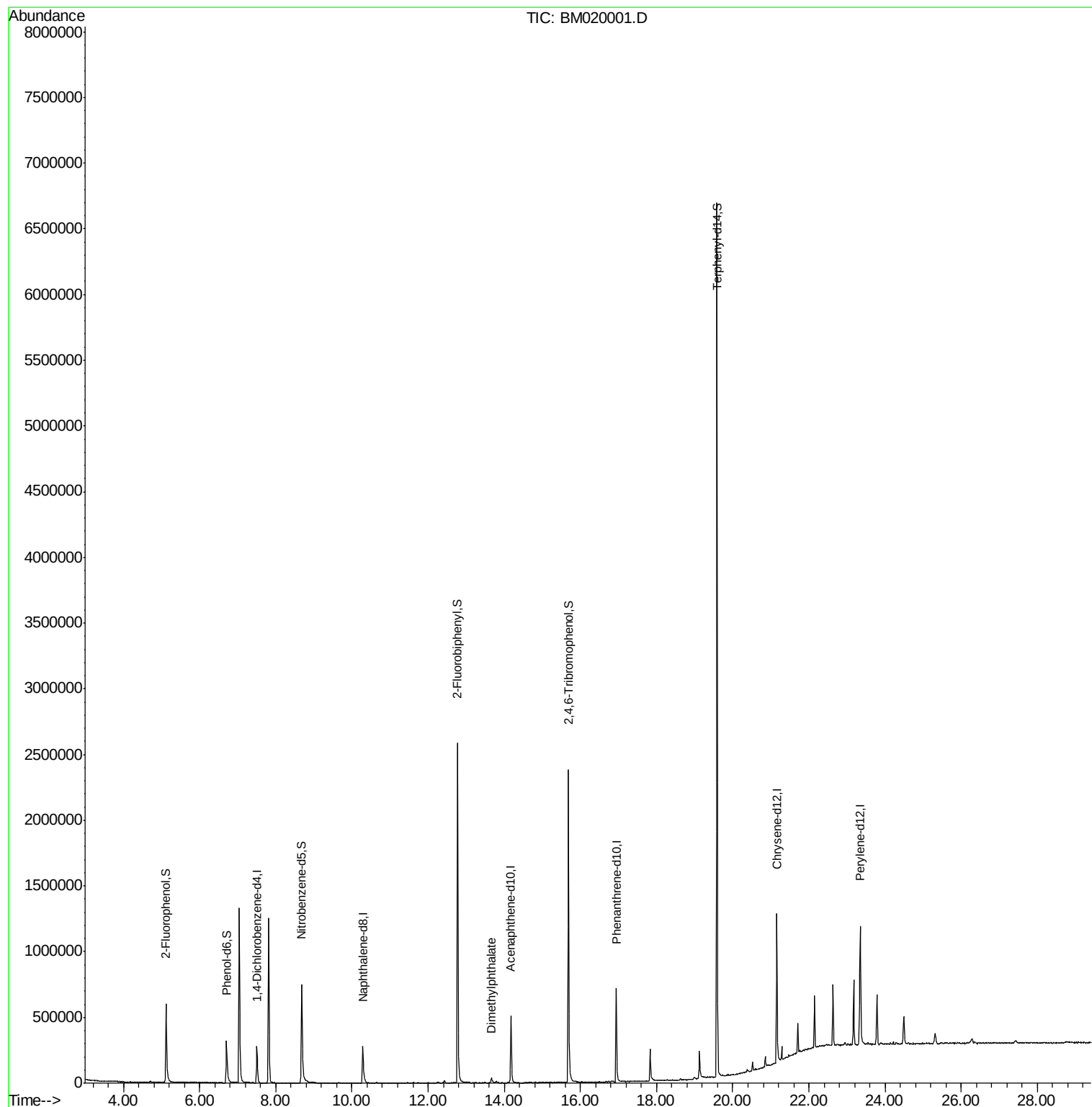
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 74876    | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.29 | 136  | 286704   | 20.00     | ng       | 0.00     |
| 39) Acenaphthene-d10        | 14.17 | 164  | 179404   | 20.00     | ng       | 0.00     |
| 64) Phenanthrene-d10        | 16.94 | 188  | 438837   | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12            | 21.16 | 240  | 516805   | 20.00     | ng       | 0.00     |
| 87) Perylene-d12            | 23.34 | 264  | 681636   | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.12  | 112  | 297086   | 64.30     | ng       | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 245023   | 35.24     | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.68  | 82   | 596218   | 93.00     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.69 | 330  | 438163   | 151.72    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.77 | 172  | 1347698  | 93.62     | ng       | -0.01    |
| 79) Terphenyl-d14           | 19.59 | 244  | 2694000  | 91.94     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 9) Benzaldehyde             | 6.70  | 77   | 155      | Below Cal | Qvalue # | 7        |
| 50) Dimethylphthalate       | 13.66 | 163  | 33005    | 2.086 ng  |          | 98       |

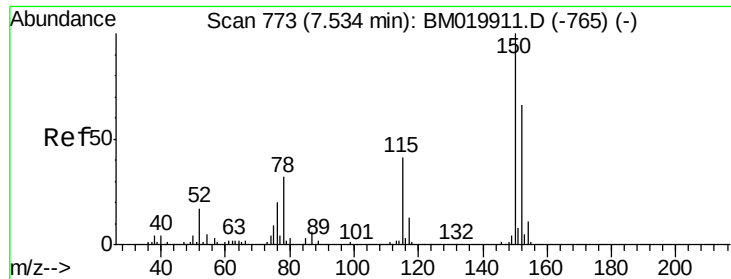
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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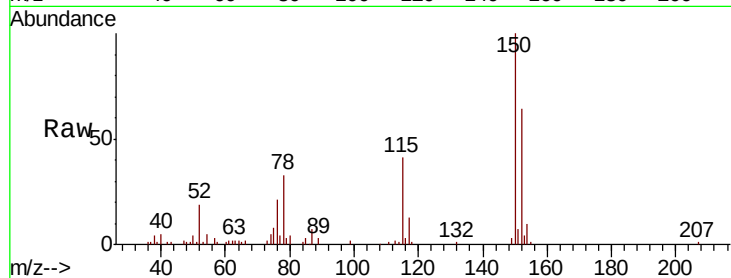


#1

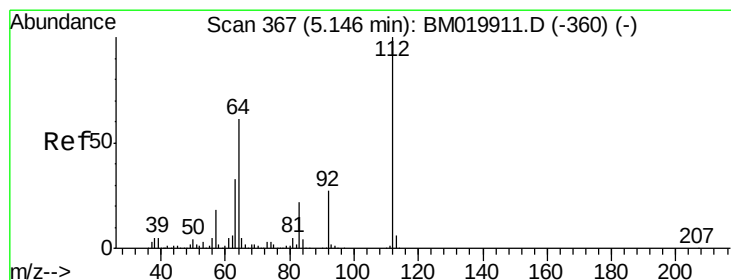
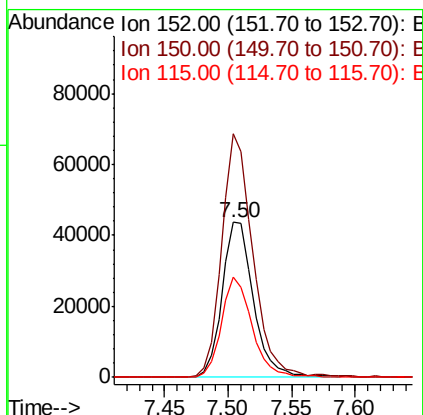
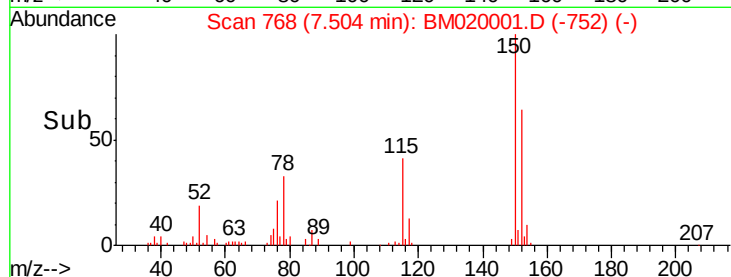
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: BM020001.D  
Acq: 20 Apr 2019 10:19

Instrument :  
BNA\_M  
ClientSampleId :  
GMW-X

Tgt Ion:152 Resp: 74876  
Ion Ratio Lower Upper  
152 100  
150 157.2 122.1 183.1  
115 65.1 50.0 75.0



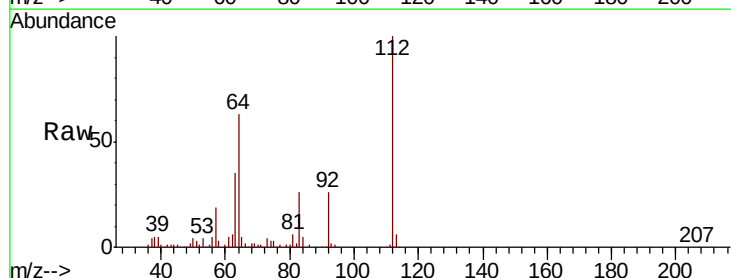
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



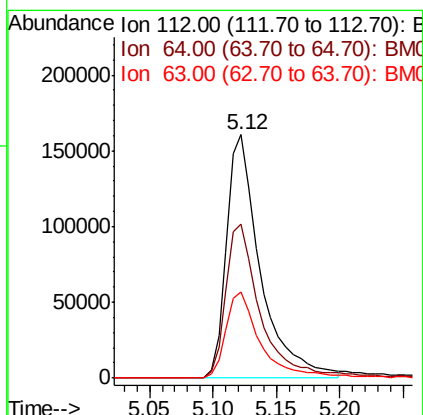
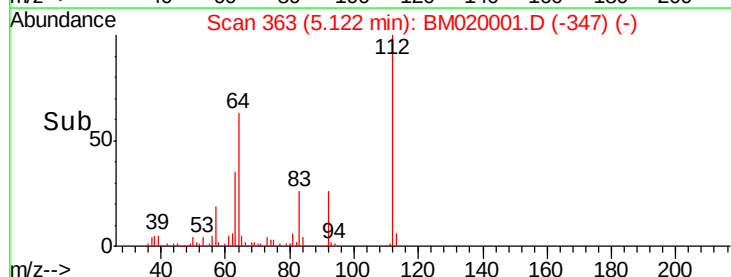
#5

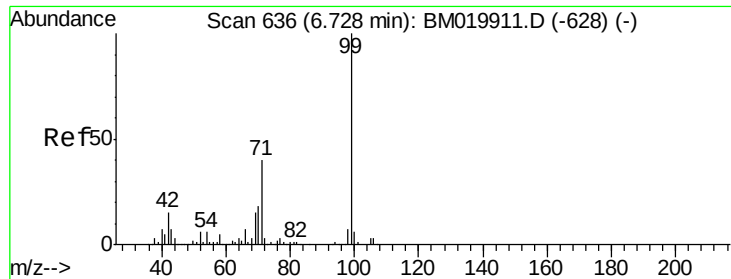
2-Fluorophenol  
Concen: 64.303 ng  
RT: 5.12 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: BM020001.D  
Acq: 20 Apr 2019 10:19

Tgt Ion:112 Resp: 297086  
Ion Ratio Lower Upper  
112 100  
64 63.3 49.1 73.7  
63 35.5 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 35.239 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

Instrument :

BNA\_M

ClientSampleId :

GMW-X

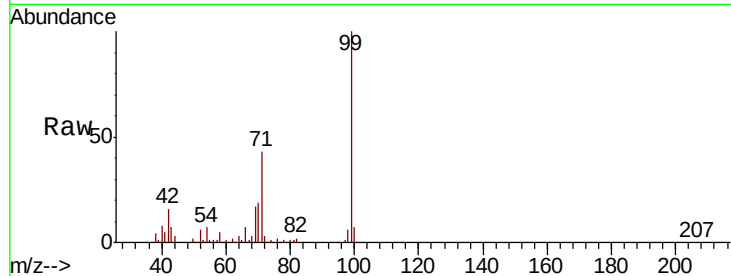
Tgt Ion: 99 Resp: 245023

Ion Ratio Lower Upper

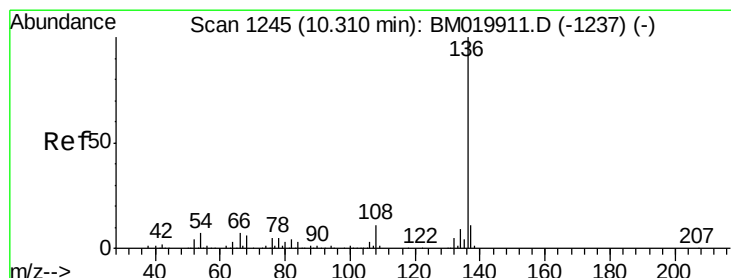
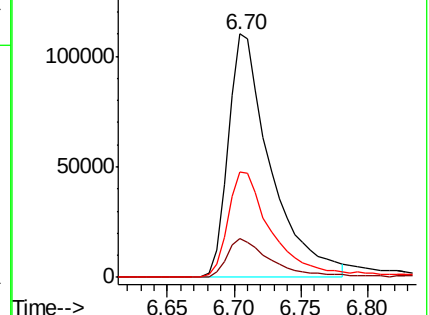
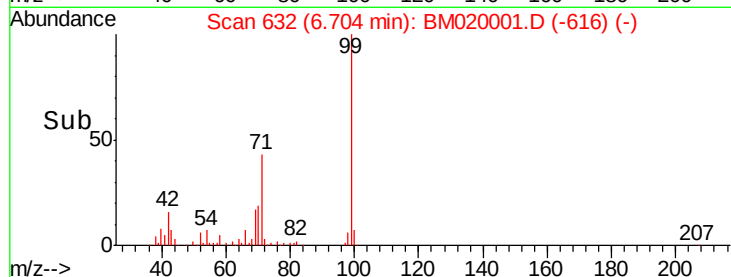
99 100

42 16.0 11.8 17.8

71 43.4 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM0  
Ion 42.00 (41.70 to 42.70): BM0  
Ion 71.00 (70.70 to 71.70): BM0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

Tgt Ion: 136 Resp: 286704

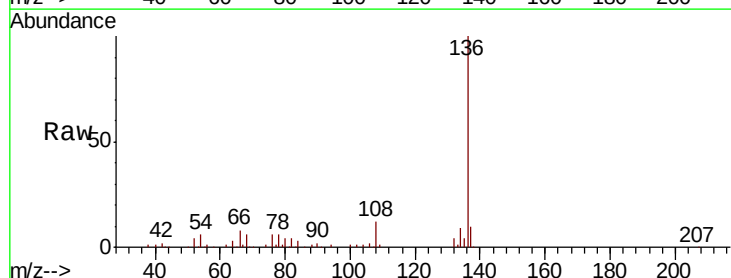
Ion Ratio Lower Upper

136 100

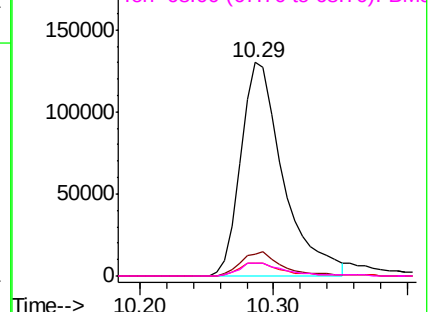
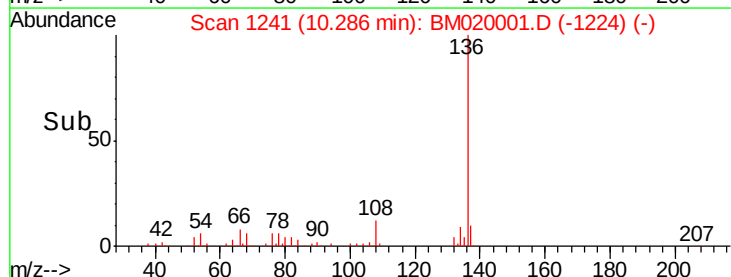
137 10.1 9.0 13.6

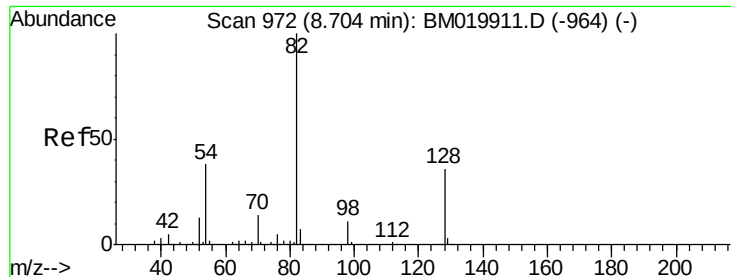
54 6.1 5.3 7.9

68 6.2 5.2 7.8



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM0  
Ion 68.00 (67.70 to 68.70): BM0

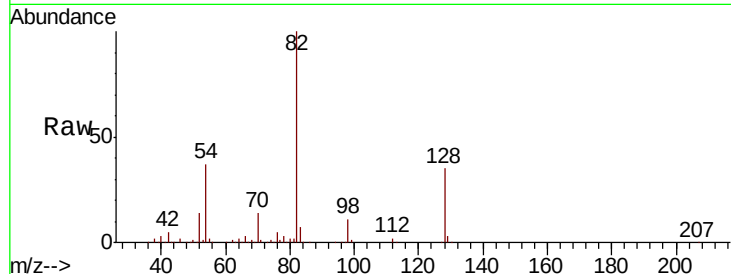




#23  
 Nitrobenzene-d5  
 Concen: 93.000 ng  
 RT: 8.68 min Scan# 968  
 Delta R.T. -0.01 min  
 Lab File: BM020001.D  
 Acq: 20 Apr 2019 10:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-X

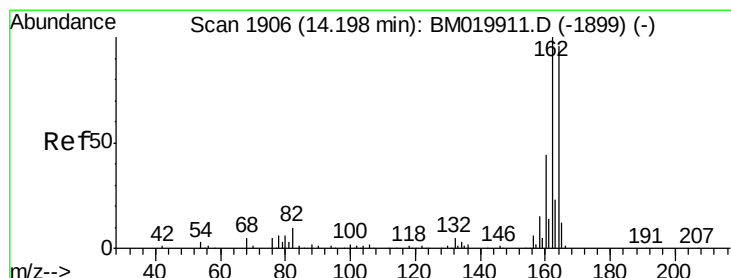
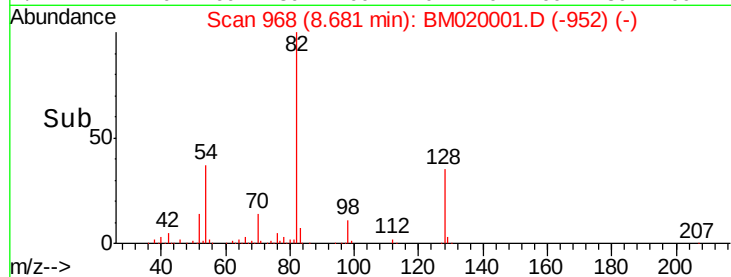
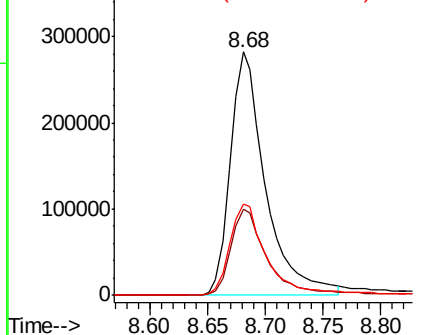
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.5  | 29.0  | 43.4  |
| 54      | 37.4  | 30.2  | 45.4  |



Abundance Ion 82.00 (81.70 to 82.70): BM020001.D (-964) (-)

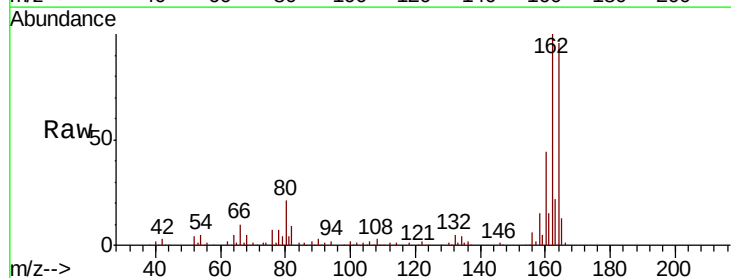
Ion 128.00 (127.70 to 128.70): BM020001.D (-964) (-)

Ion 54.00 (53.70 to 54.70): BM020001.D (-964) (-)



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.17 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: BM020001.D  
 Acq: 20 Apr 2019 10:19

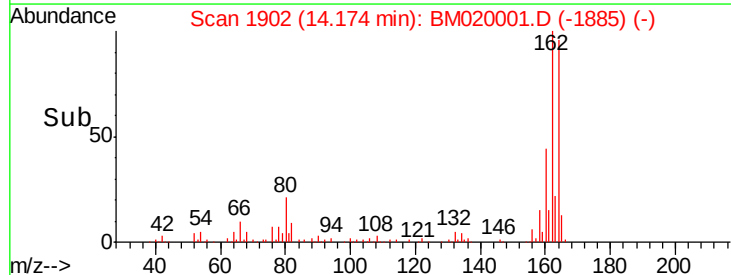
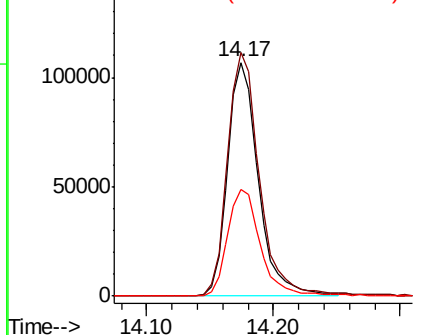
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 83.0  | 124.4 |
| 160     | 45.9  | 36.6  | 55.0  |

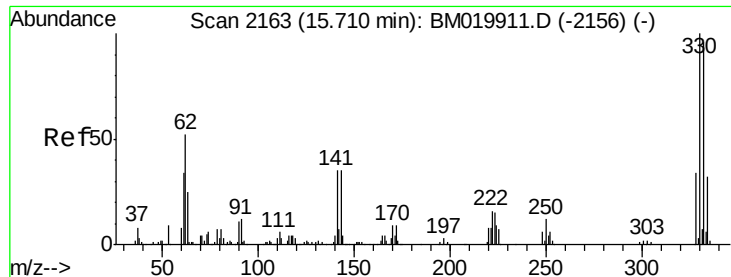


Abundance Ion 164.00 (163.70 to 164.70): BM020001.D (-1885) (-)

Ion 162.00 (161.70 to 162.70): BM020001.D (-1885) (-)

Ion 160.00 (159.70 to 160.70): BM020001.D (-1885) (-)





#42

2,4,6-Tribromophenol

Concen: 151.723 ng

RT: 15.69 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

Instrument :

BNA\_M

ClientSampleId :

GMW-X

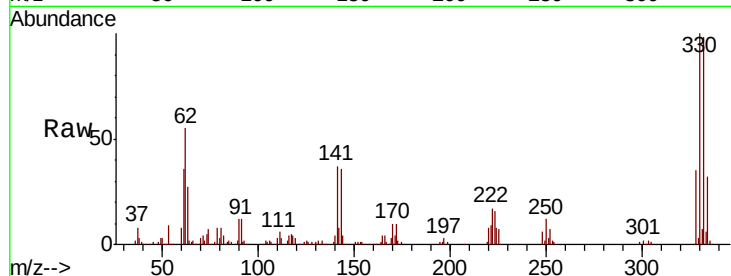
Tgt Ion:330 Resp: 438163

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

141 38.9 29.0 43.4

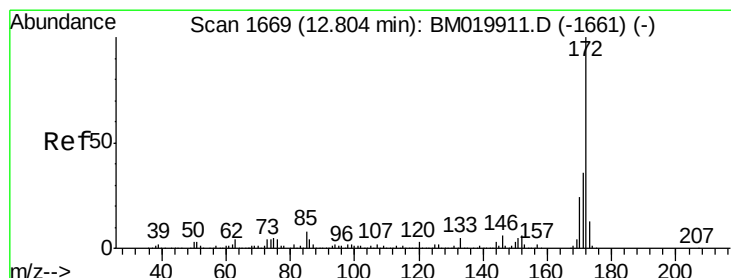
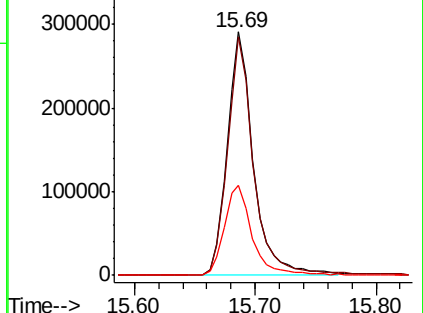
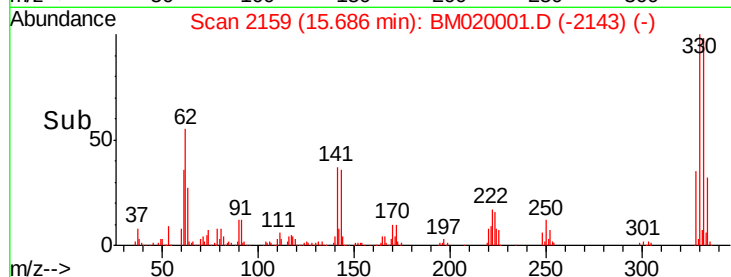


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 93.618 ng

RT: 12.77 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

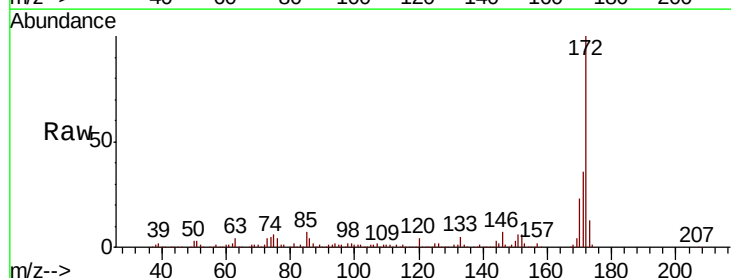
Tgt Ion:172 Resp: 1347698

Ion Ratio Lower Upper

172 100

171 35.7 28.9 43.3

170 23.4 19.0 28.4

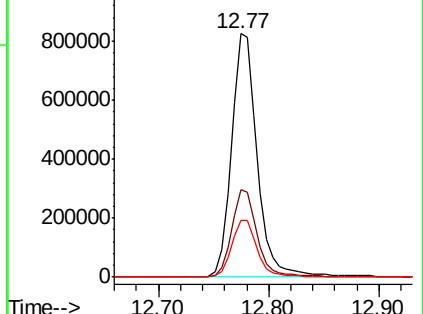
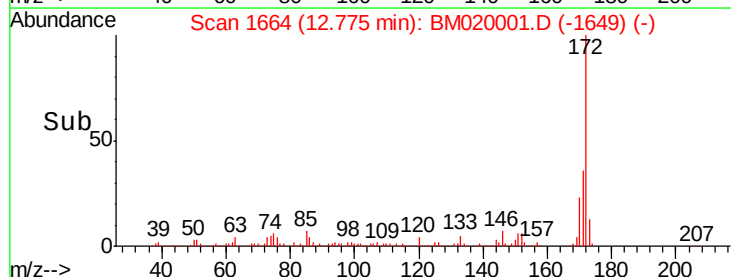


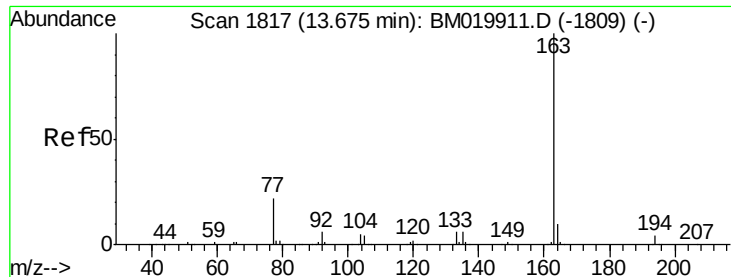
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.086 ng

RT: 13.66 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

Instrument :

BNA\_M

ClientSampleId :

GMW-X

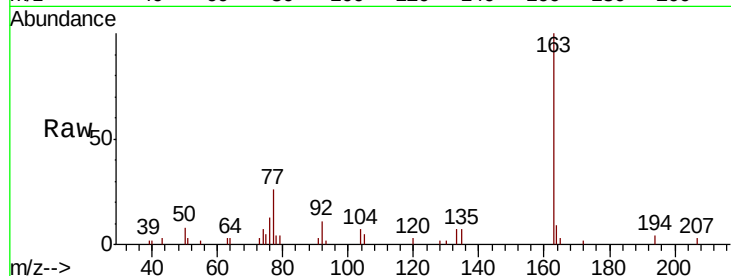
Tgt Ion:163 Resp: 33005

Ion Ratio Lower Upper

163 100

194 4.4 3.1 4.7

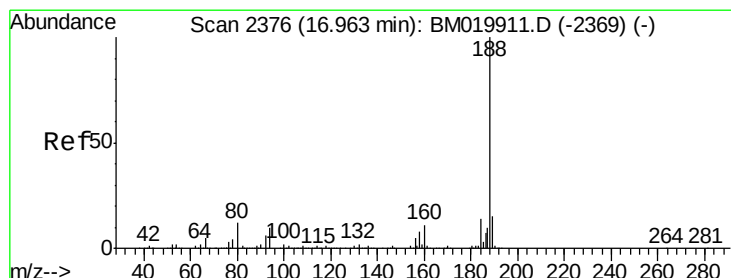
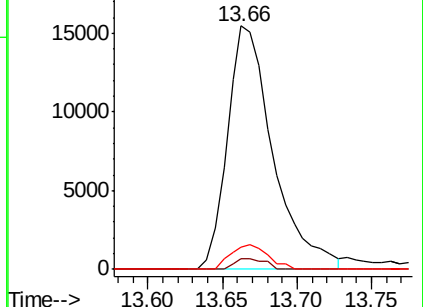
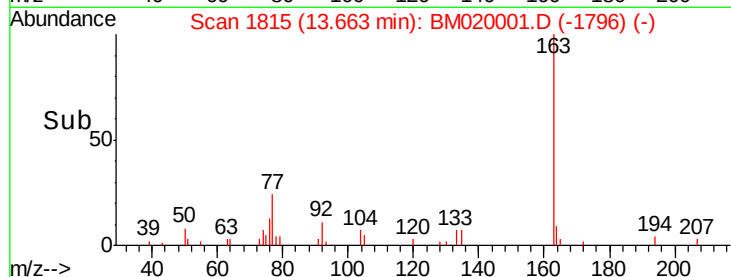
164 9.1 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.94 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

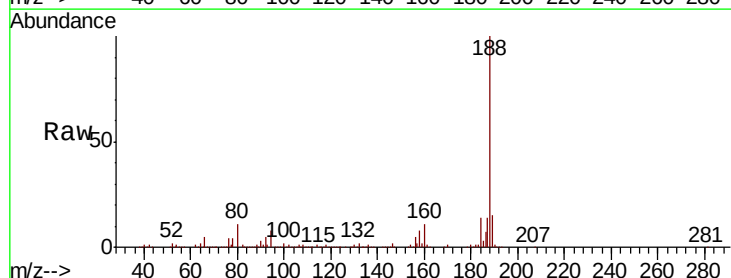
Tgt Ion:188 Resp: 438837

Ion Ratio Lower Upper

188 100

94 8.3 7.6 11.4

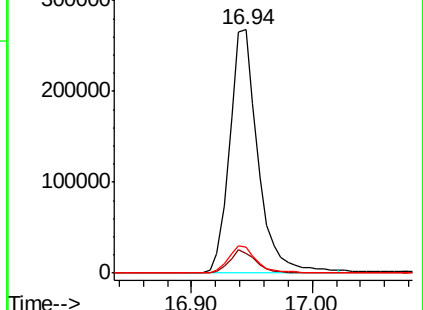
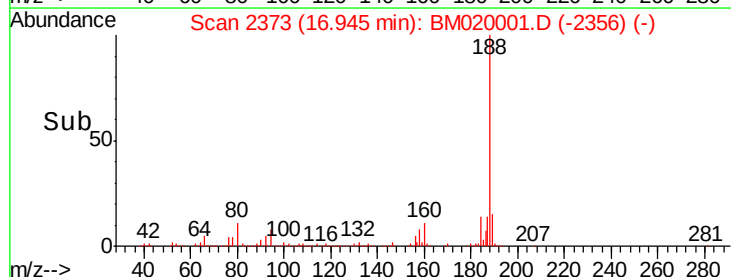
80 10.7 9.4 14.0

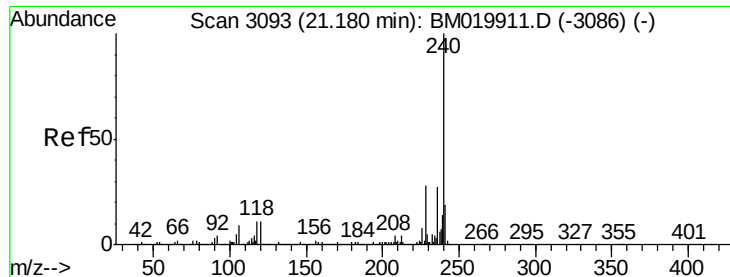


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

Instrument :

BNA\_M

ClientSampleId :

GMW-X

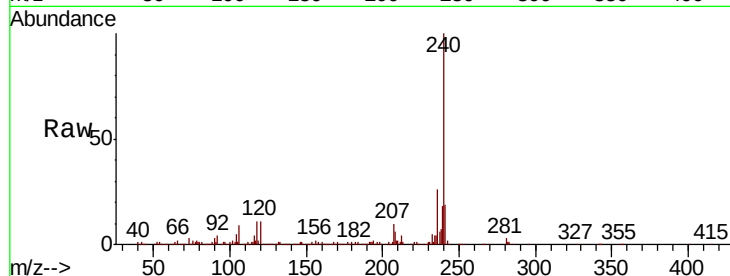
Tgt Ion:240 Resp: 516805

Ion Ratio Lower Upper

240 100

120 10.7 8.6 13.0

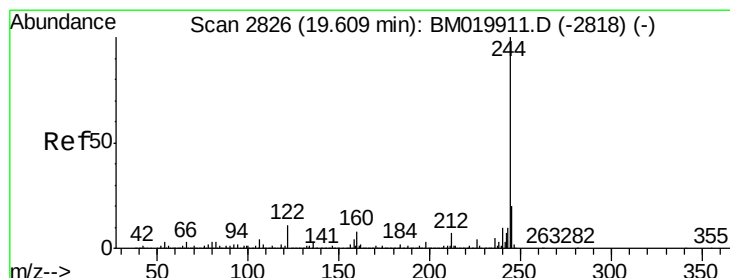
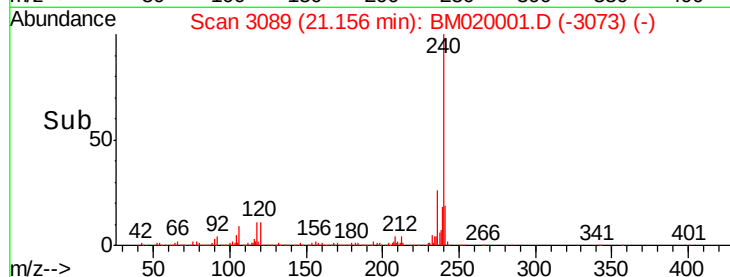
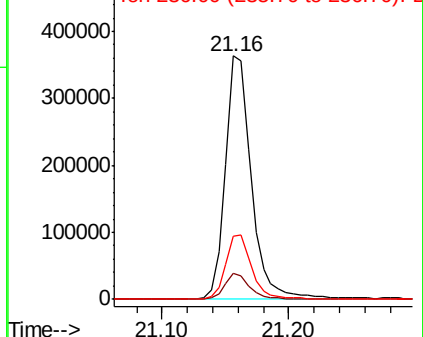
236 26.0 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 91.945 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM020001.D

Acq: 20 Apr 2019 10:19

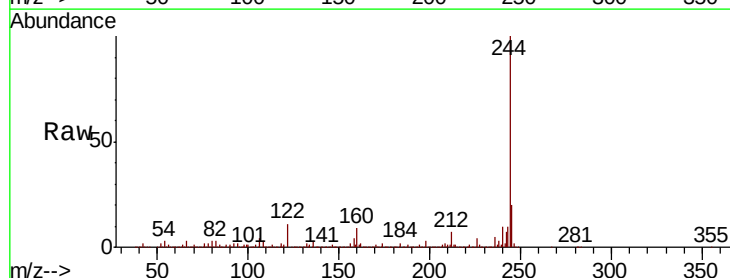
Tgt Ion:244 Resp: 2694000

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

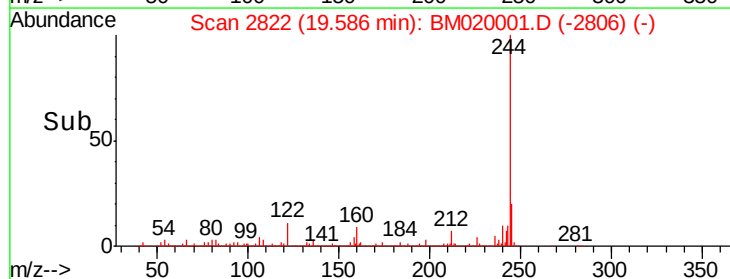
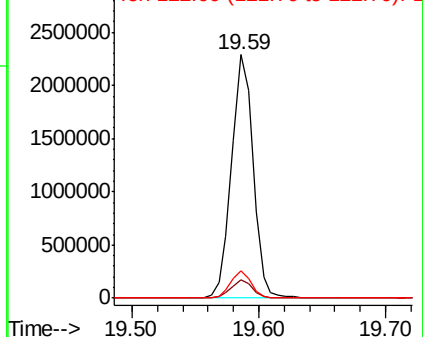
122 11.0 9.1 13.7



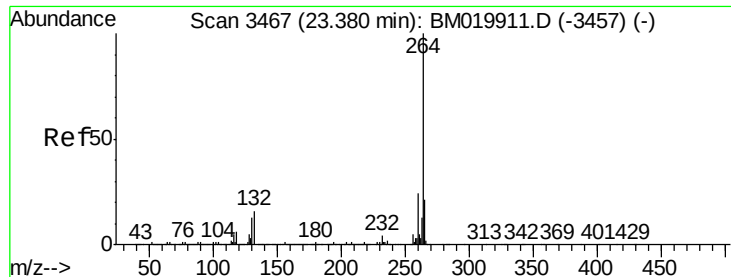
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



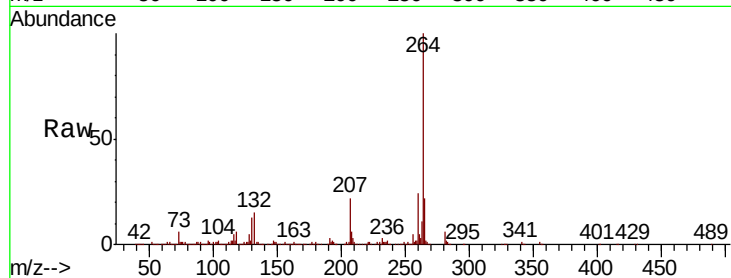




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.34 min Scan# 3461  
Delta R.T. -0.01 min  
Lab File: BM020001.D  
Acq: 20 Apr 2019 10:19

Instrument :  
BNA\_M  
ClientSampleId :  
GMW-X

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 681636 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.9  | 19.2  | 28.8   |
| 265      | 22.1  | 17.2  | 25.8   |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

