

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\  
 Data File : BM015837.D  
 Acq On : 07 Jul 2018 12:54  
 Operator : SJ/JU  
 Sample : J3854-02  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S4

Quant Time: Jul 09 00:55:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

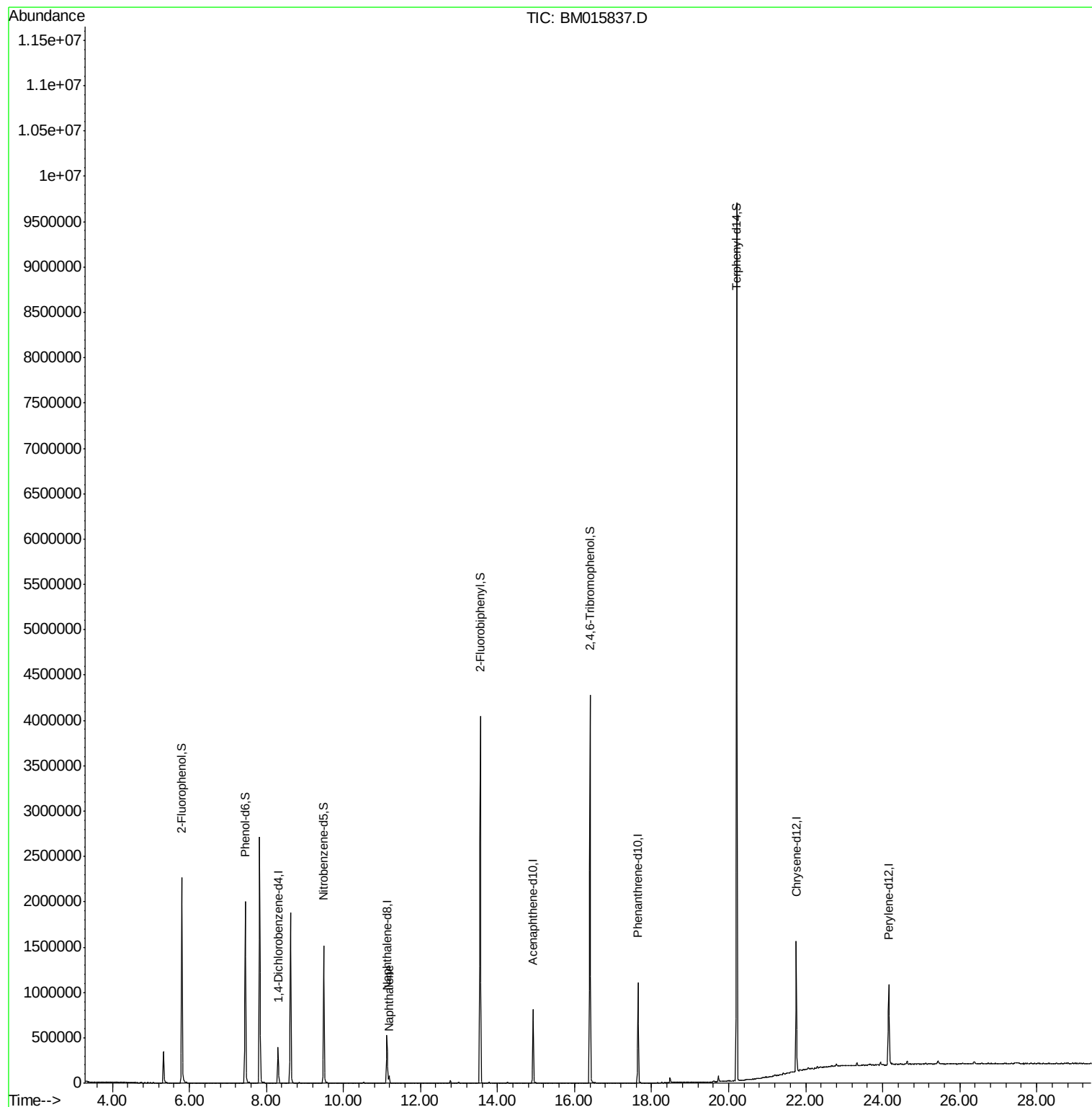
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.30  | 152  | 92209    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 11.13 | 136  | 390502   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 14.92 | 164  | 238202   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 17.64 | 188  | 580720   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 21.76 | 240  | 606720   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 24.16 | 264  | 598672   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.80  | 112  | 779862   | 145.04 | ng    | -0.01     |
| 7) Phenol-d6                | 7.46  | 99   | 921100   | 125.14 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.49  | 82   | 796378   | 99.50  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 551621   | 177.23 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 13.55 | 172  | 1785419  | 93.05  | ng    | -0.01     |
| 78) Terphenyl-d14           | 20.22 | 244  | 3801237  | 116.21 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.18 | 128  | 65070    | 3.214  | ng    | Qvalue 98 |

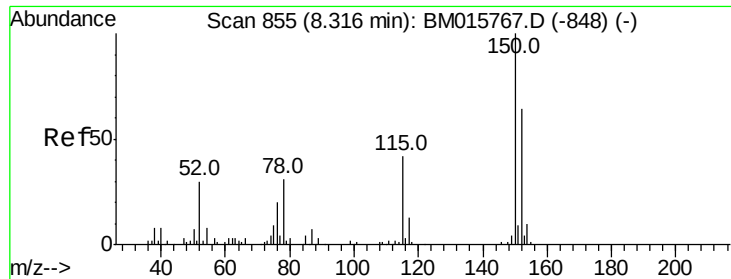
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Jul 09 00:55:29 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 05 17:39:50 2018  
Response via : Initial Calibration



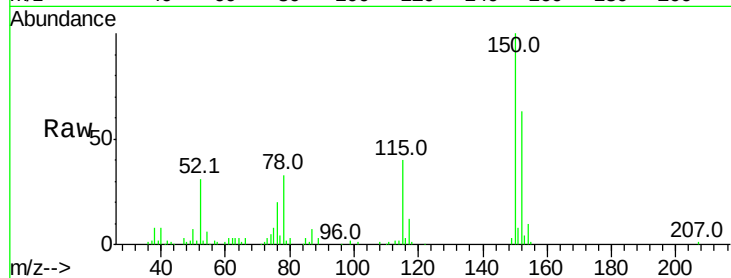


#1

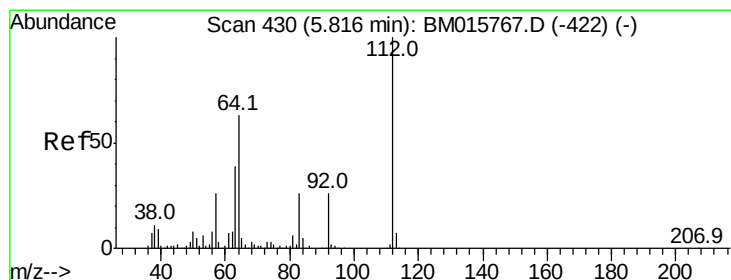
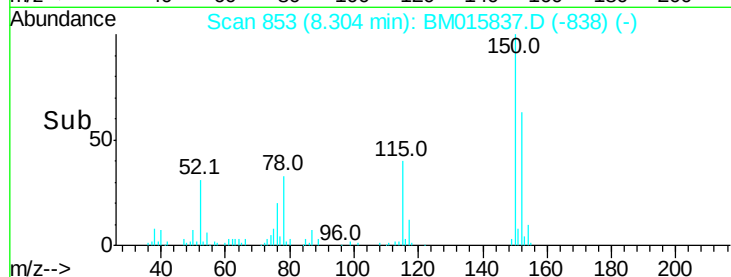
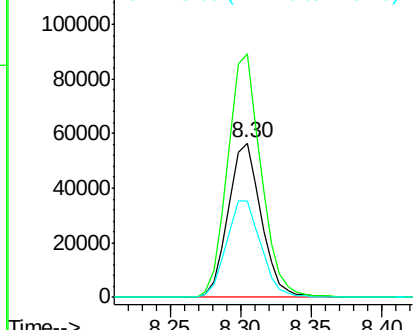
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.30 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

Instrument :  
BNA\_M  
ClientSampled :  
S4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 119.5 | 179.3 |
| 115     | 62.8  | 43.0  | 64.4  |



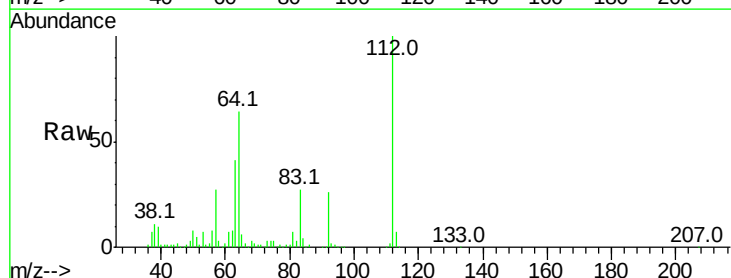
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



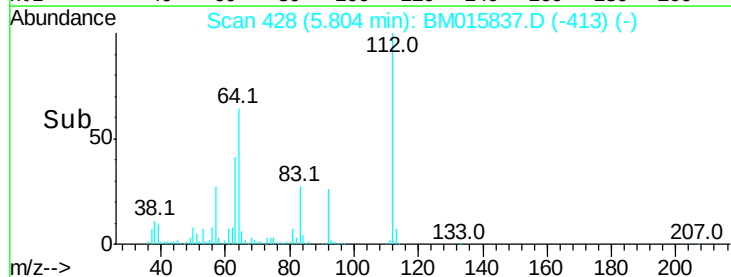
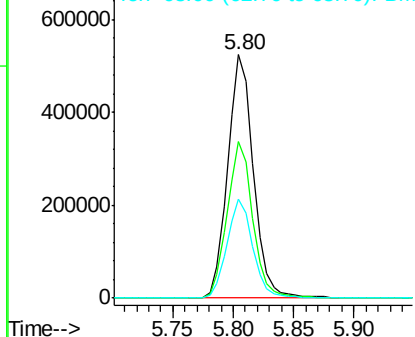
#5

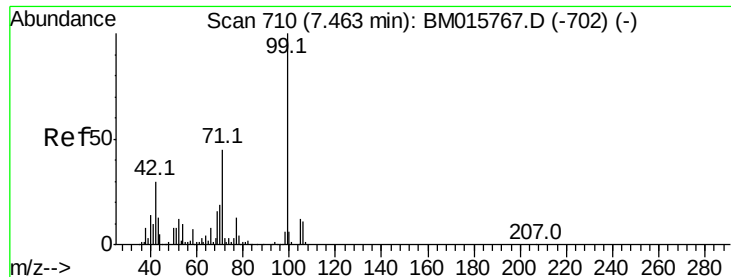
2-Fluorophenol  
Concen: Below ng  
RT: 5.80 min Scan# 428  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.1  | 38.6  | 57.8# |
| 63      | 40.9  | 19.3  | 28.9# |



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: N.D. ng

RT: 7.46 min Scan# 709

Delta R.T. -0.01 min

Lab File: BM015837.D

Acq: 07 Jul 2018 12:54

Instrument :

BNA\_M

ClientSampleId :

S4

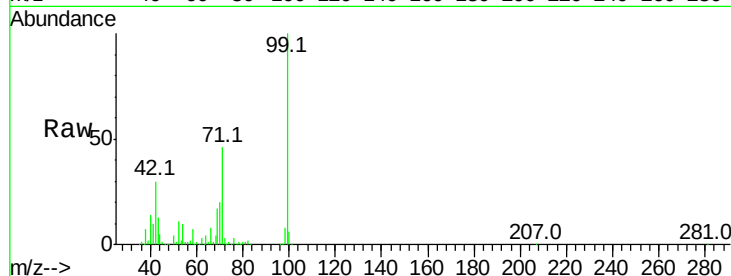
Tot Ion: 99 Resp: 921100

Ion Ratio Lower Upper

99 100

42 30.2 11.0 16.4#

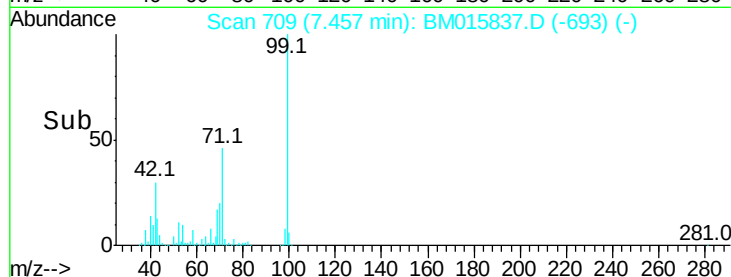
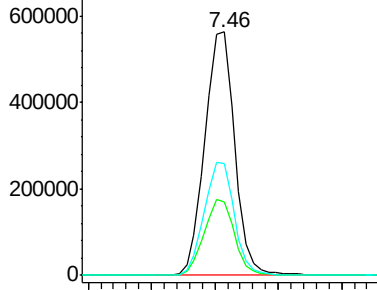
71 46.0 23.4 35.2#



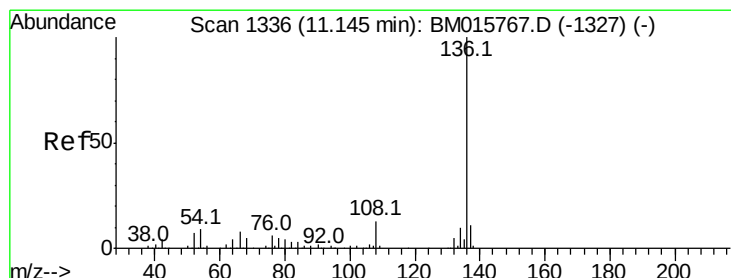
Abundance Ion 99.00 (98.70 to 99.70): BM015837.D (-693) (-)

Ion 42.00 (41.70 to 42.70): BM015837.D (-693) (-)

Ion 71.00 (70.70 to 71.70): BM015837.D (-693) (-)



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.13 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BM015837.D

Acq: 07 Jul 2018 12:54

Tgt Ion:136 Resp: 390502

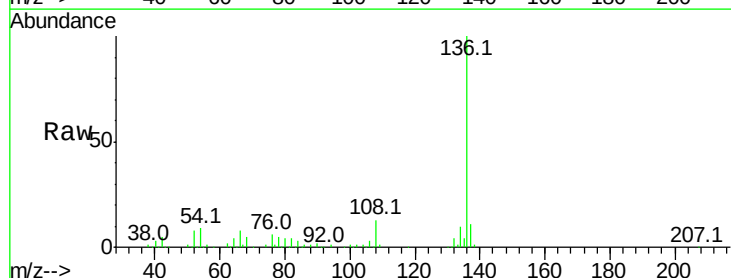
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 9.3 4.6 6.8#

68 5.0 3.7 5.5

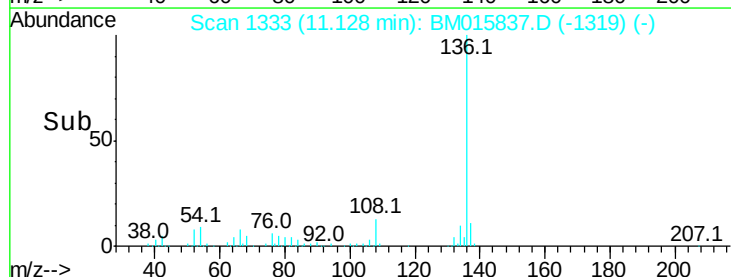
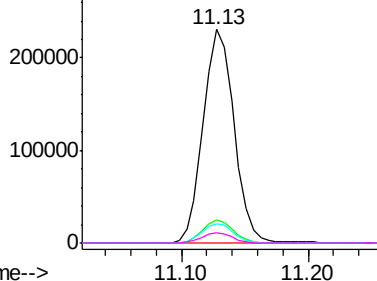


Abundance Ion 136.00 (135.70 to 136.70): BM015837.D (-1319) (-)

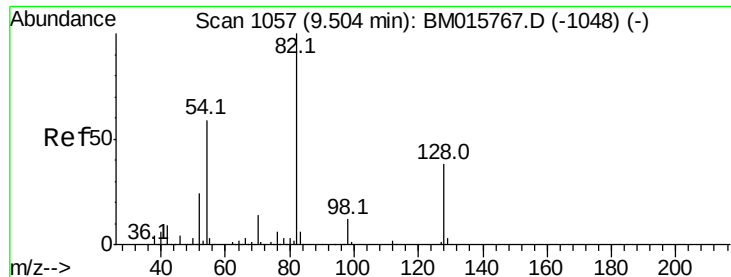
Ion 137.00 (136.70 to 137.70): BM015837.D (-1319) (-)

Ion 54.00 (53.70 to 54.70): BM015837.D (-1319) (-)

Ion 68.00 (67.70 to 68.70): BM015837.D (-1319) (-)



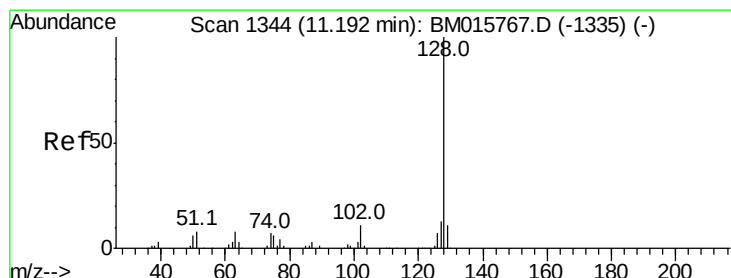
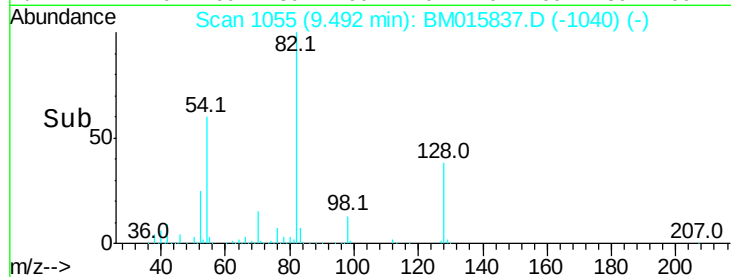
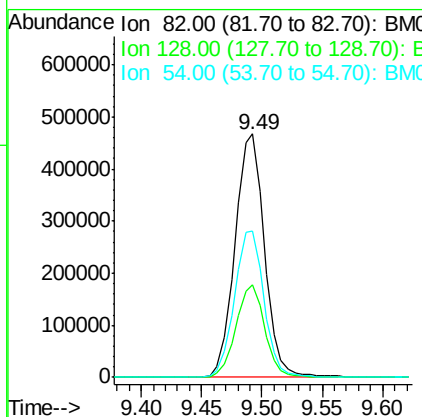
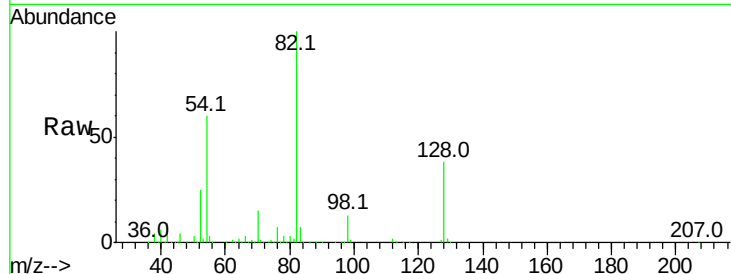
Time-->



#23  
 Nitrobenzene-d5  
 Concen: Below na  
 RT: 9.49 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BM015837.D  
 Acq: 07 Jul 2018 12:54

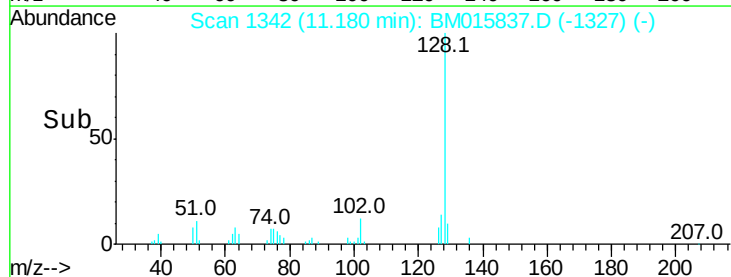
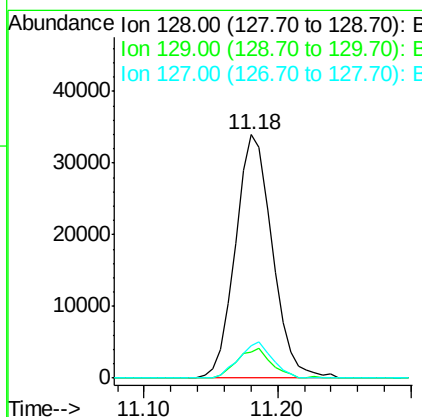
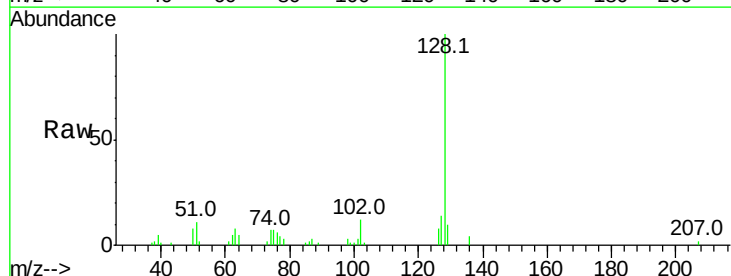
Instrument :  
 BNA\_M  
 ClientSampleId :  
 S4

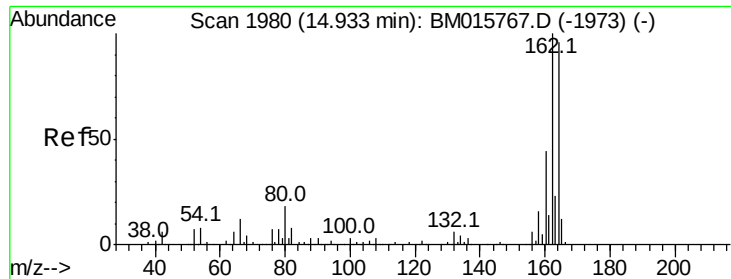
| Tot Ion   | 82    | Resp  | 796378 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.2  | 32.8  | 49.2   |
| 54        | 60.0  | 40.6  | 60.8   |



#31  
 Naphthalene  
 Concen: 3.214 ng  
 RT: 11.18 min Scan# 1342  
 Delta R.T. -0.01 min  
 Lab File: BM015837.D  
 Acq: 07 Jul 2018 12:54

| Tgt Ion   | 128   | Resp  | 65070 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.5  | 8.9   | 13.3  |
| 127       | 13.5  | 10.4  | 15.6  |

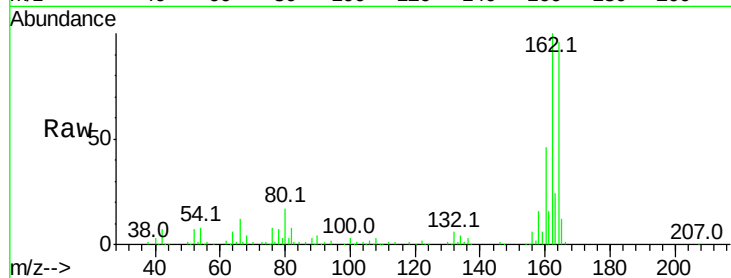




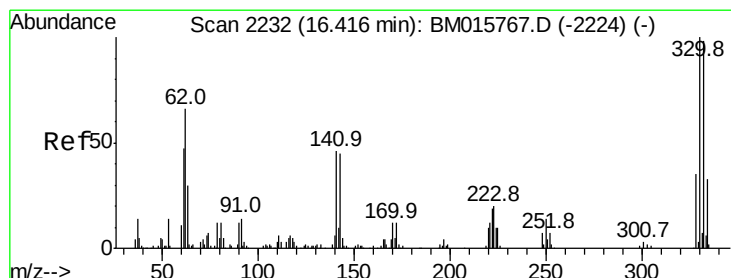
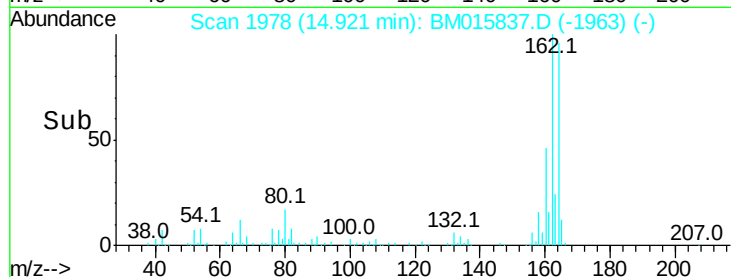
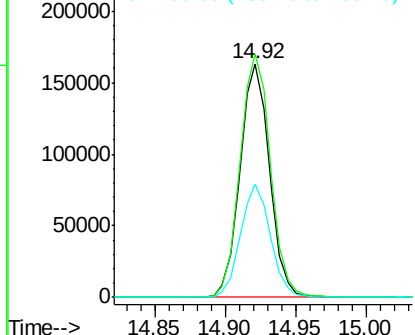
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.92 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

Instrument :  
BNA\_M  
ClientSampleId :  
S4

Tot Ion:164 Resp: 238202  
Ion Ratio Lower Upper  
164 100  
162 104.3 82.4 123.6  
160 48.2 35.8 53.6

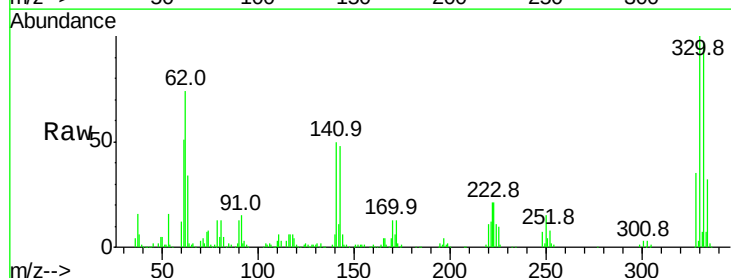


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

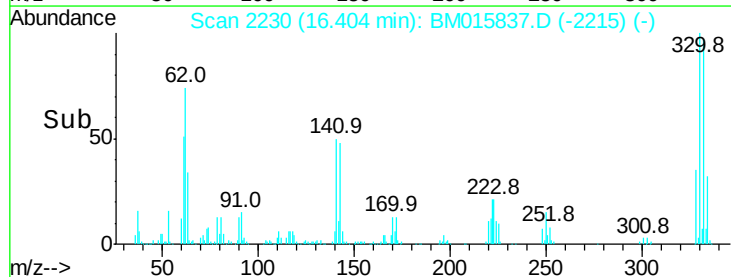
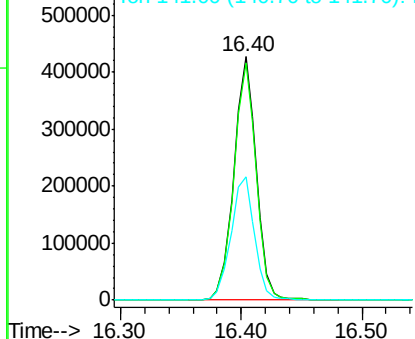


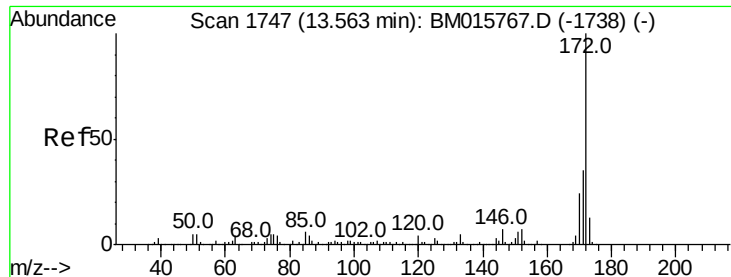
#41  
2,4,6-Tribromophenol  
Concen: N.D. ng  
RT: 16.40 min Scan# 2230  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

Tgt Ion:330 Resp: 551621  
Ion Ratio Lower Upper  
330 100  
332 97.2 0.0 0.0#  
141 53.1 0.0 0.0#



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

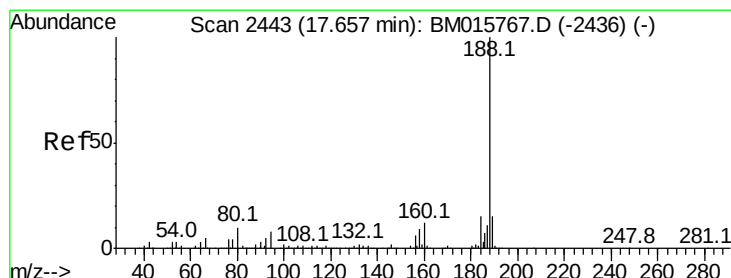
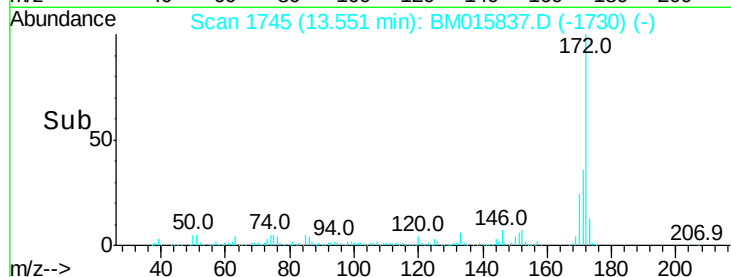
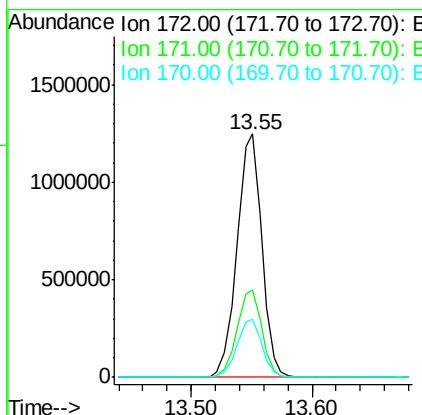
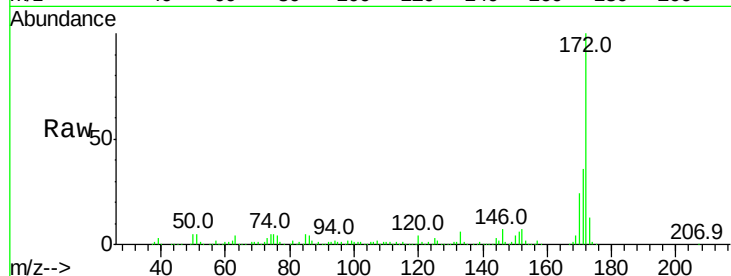




#44  
2-Fluorobiphenyl  
Concen: N.D. na  
RT: 13.55 min Scan# 1745  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

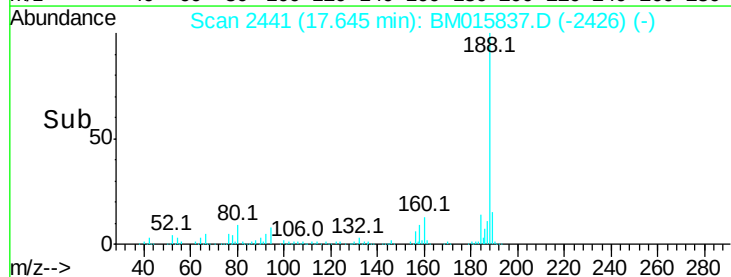
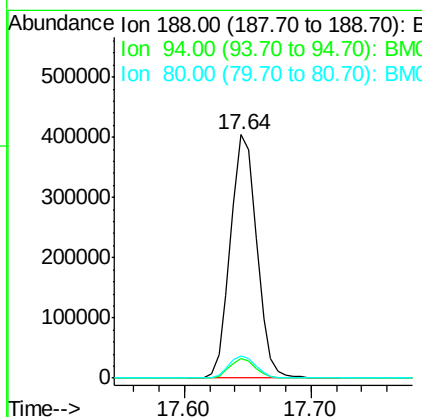
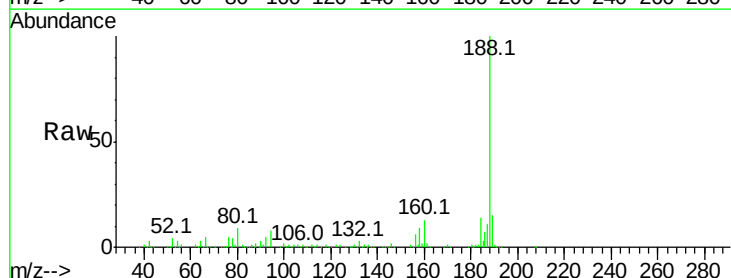
Instrument :  
BNA\_M  
ClientSampleId :  
S4

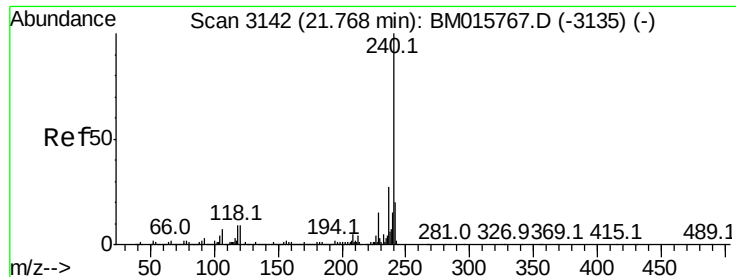
Tot Ion:172 Resp: 1785419  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.5 42.7  
170 23.8 18.8 28.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.64 min Scan# 2441  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

Tgt Ion:188 Resp: 580720  
Ion Ratio Lower Upper  
188 100  
94 8.0 8.7 13.1#  
80 9.4 9.3 13.9





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BM015837.D

Acq: 07 Jul 2018 12:54

Instrument :

BNA\_M

ClientSampleId :

S4

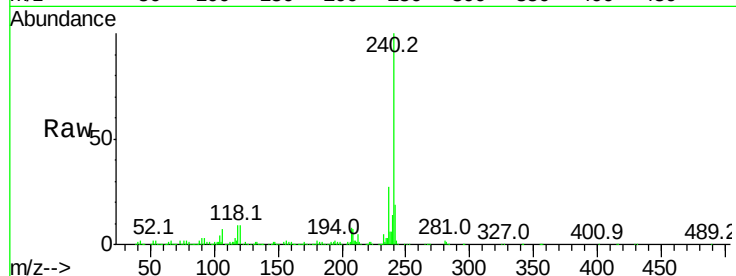
Tot Ion:240 Resp: 606720

Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

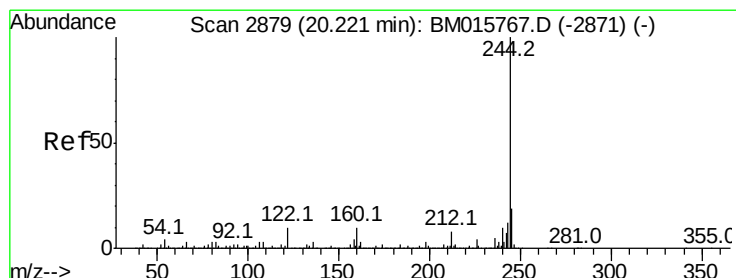
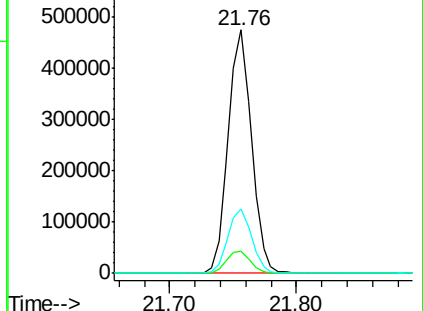
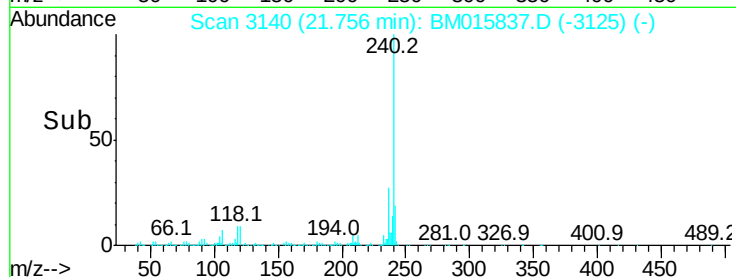
236 26.7 20.0 30.0



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



#78

Terphenyl-d14

Concen: Below ng

RT: 20.22 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BM015837.D

Acq: 07 Jul 2018 12:54

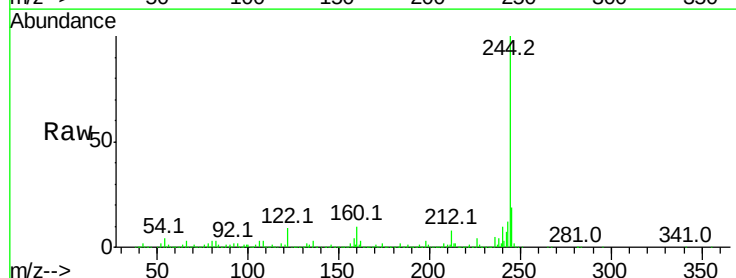
Tgt Ion:244 Resp: 3801237

Ion Ratio Lower Upper

244 100

212 8.1 4.9 7.3#

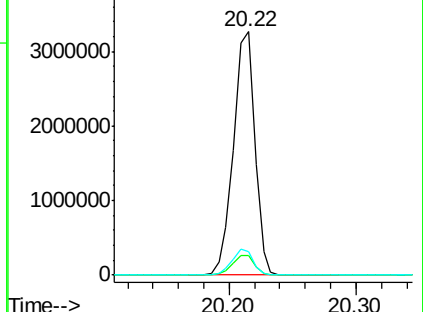
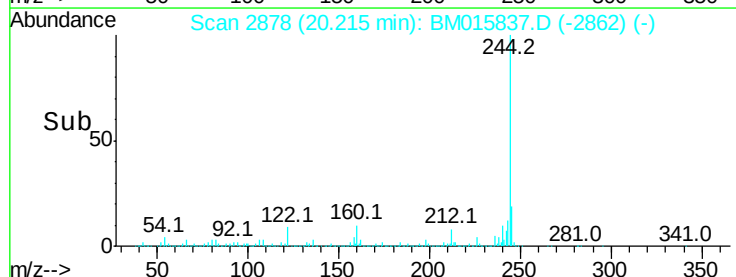
122 9.5 6.2 9.4#



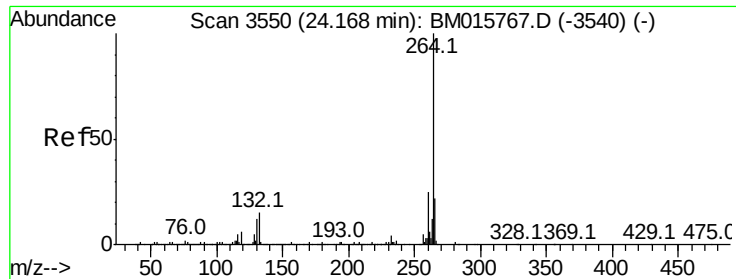
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



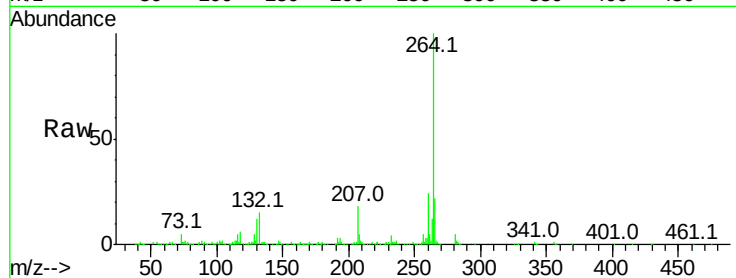




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.16 min Scan# 3548  
Delta R.T. -0.01 min  
Lab File: BM015837.D  
Acq: 07 Jul 2018 12:54

Instrument :  
BNA\_M  
ClientSampleId :  
S4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 18.6  | 27.8  |
| 265     | 21.8  | 17.3  | 25.9  |



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

