

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\  
 Data File : BF107607.D  
 Acq On : 24 Jul 2018 00:43  
 Operator : JU/SJ  
 Sample : J4103-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-08

Quant Time: Jul 24 05:36:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

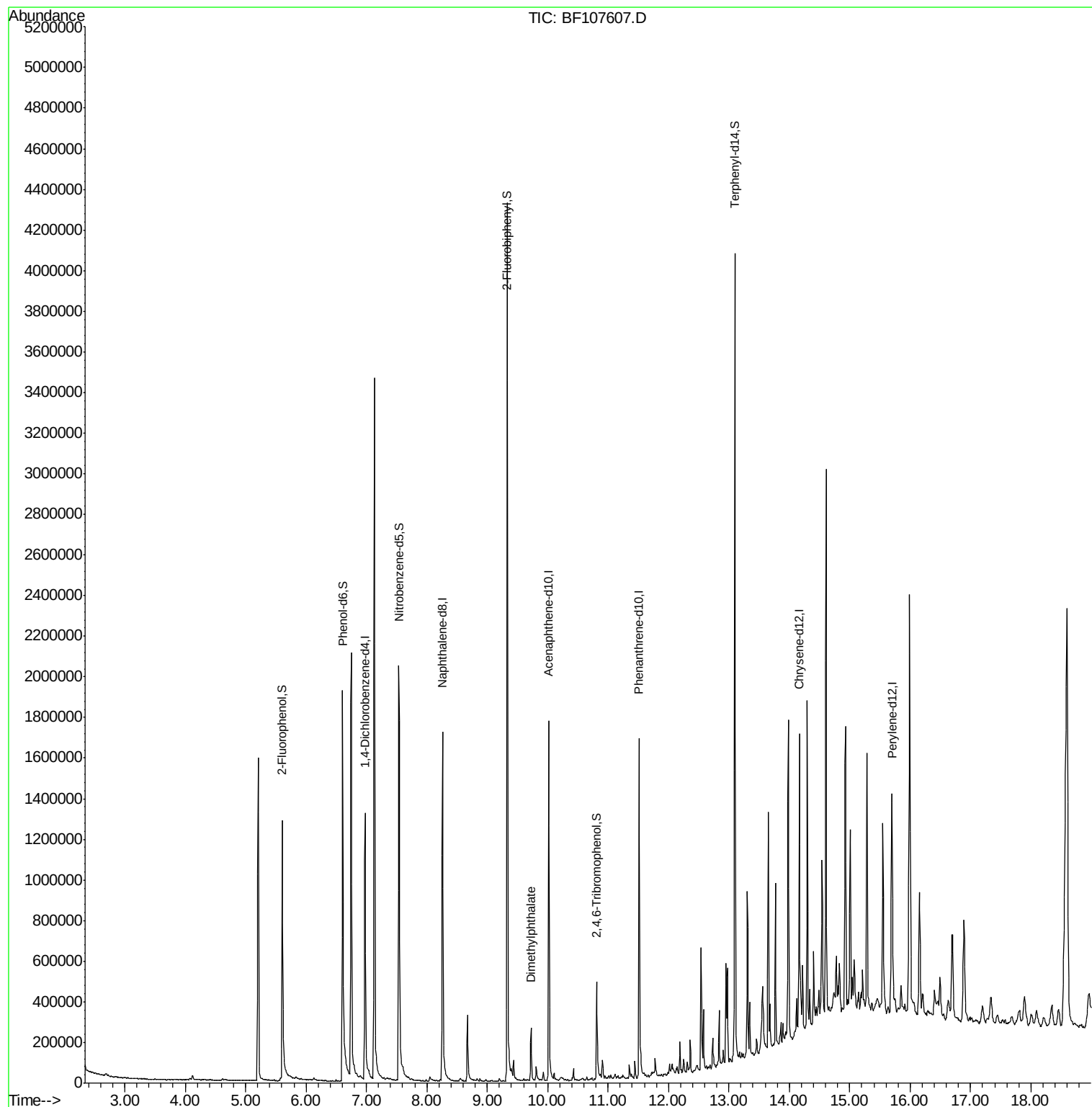
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 249557   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.26  | 136  | 916543   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.02 | 164  | 352875   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.51 | 188  | 673891   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 14.17 | 240  | 518453   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.71 | 264  | 409851   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.61  | 112  | 459011   | 29.57 | ng    | 0.00           |
| 7) Phenol-d6                | 6.61  | 99   | 971335   | 52.12 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 841596   | 61.97 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 65772    | 16.39 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1522521  | 70.44 | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.10 | 244  | 1461753  | 72.18 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.72  | 163  | 116111   | 4.366 | ng    | Qvalue<br># 98 |

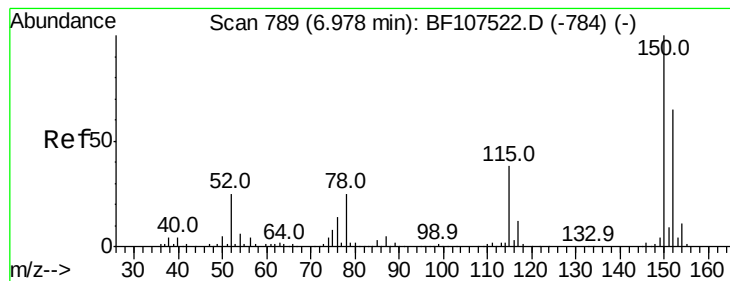
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J4103-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-08

Quant Time: Jul 24 05:36:26 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 20 16:29:27 2018  
Response via : Initial Calibration



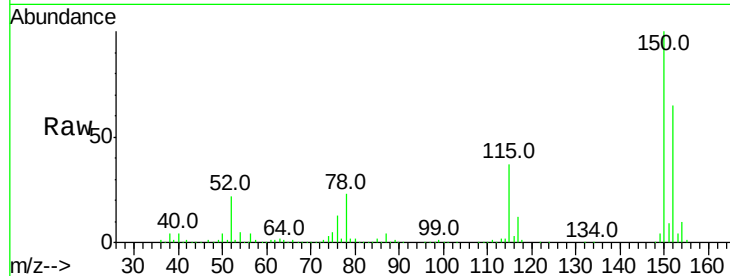


#1

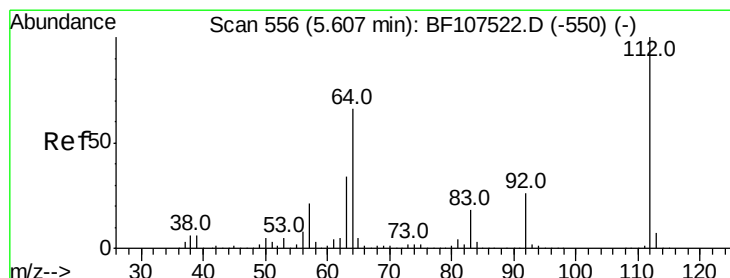
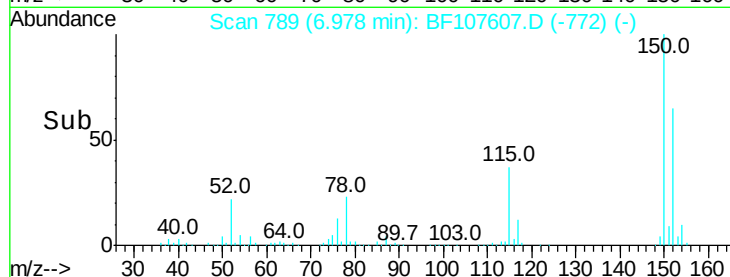
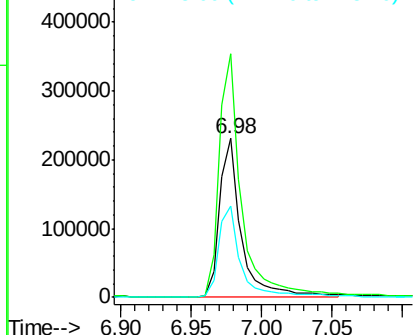
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-08

Tot Ion:152 Resp: 249557  
Ion Ratio Lower Upper  
152 100  
150 153.5 124.6 186.8  
115 57.5 50.1 75.1



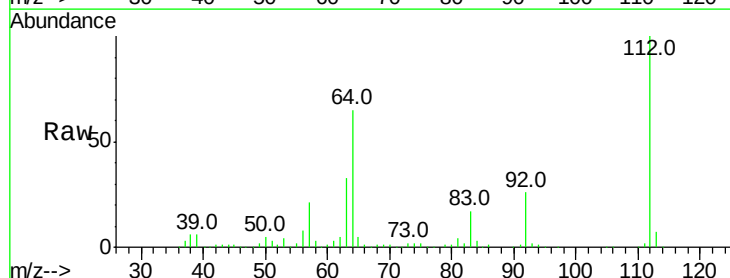
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



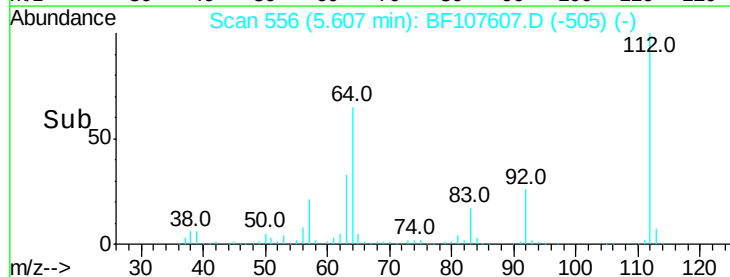
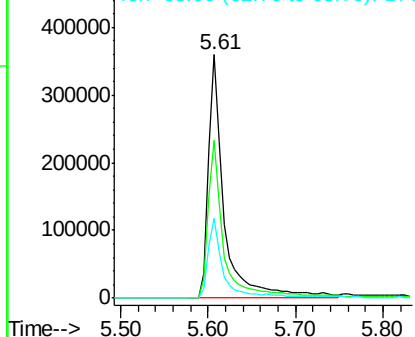
#5

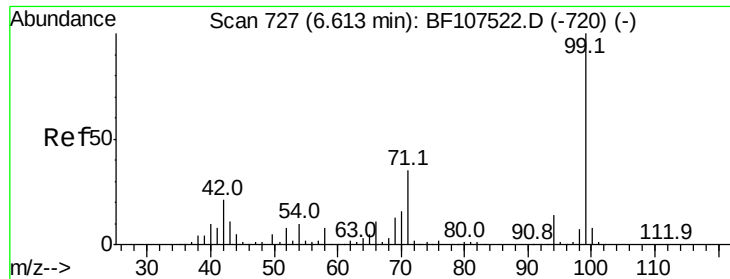
2-Fluorophenol  
Concen: 29.572 ng  
RT: 5.61 min Scan# 556  
Delta R.T. 0.00 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

Tgt Ion:112 Resp: 459011  
Ion Ratio Lower Upper  
112 100  
64 65.1 47.9 71.9  
63 33.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 52.118 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107607.D

Acq: 24 Jul 2018 00:43

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-08

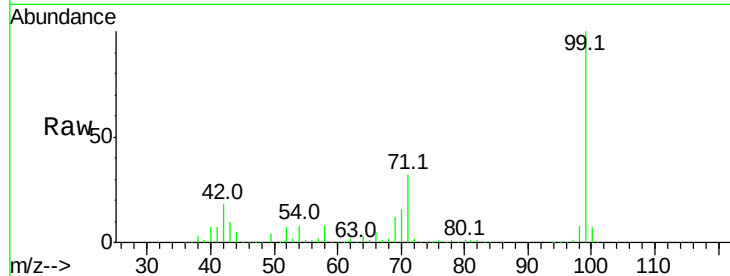
Tot Ion: 99 Resp: 971335

Ion Ratio Lower Upper

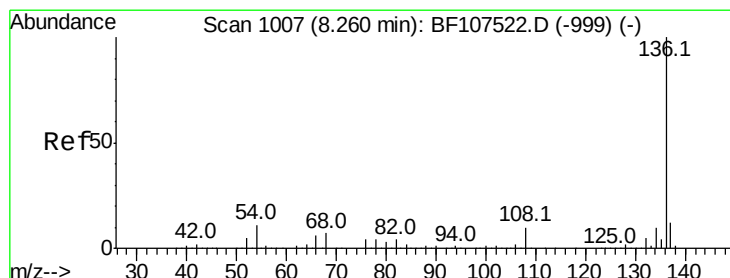
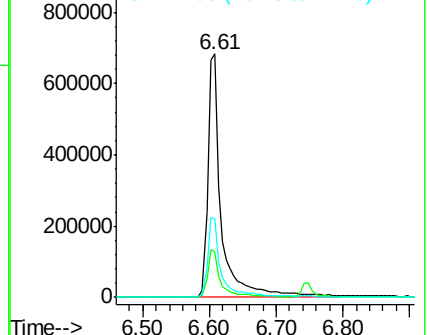
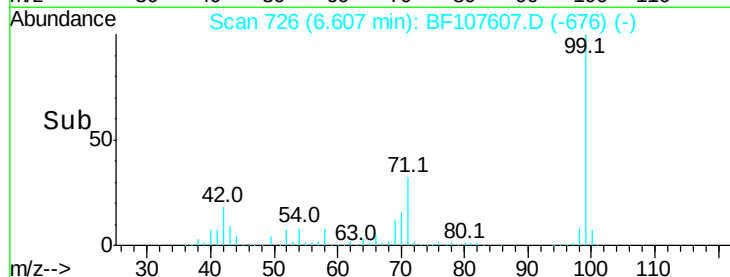
99 100

42 18.4 14.5 21.7

71 32.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF107607.D

Acq: 24 Jul 2018 00:43

Tgt Ion: 136 Resp: 916543

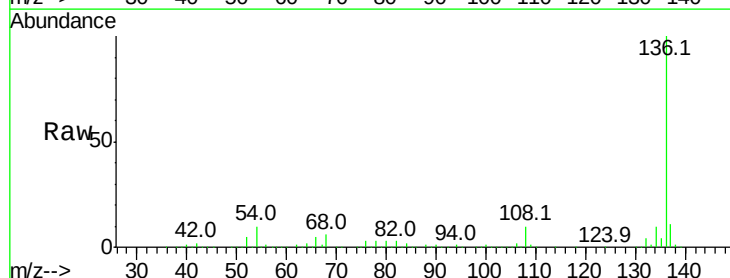
Ion Ratio Lower Upper

136 100

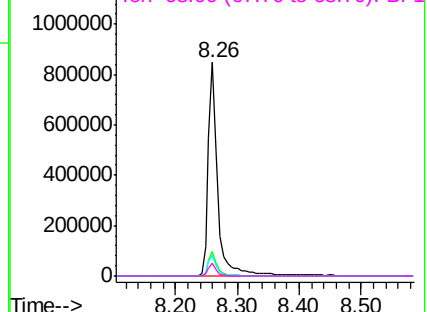
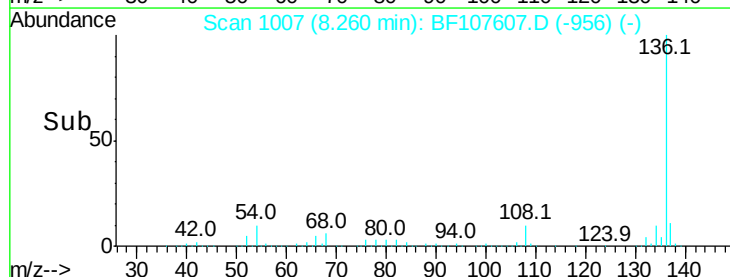
137 11.4 8.9 13.3

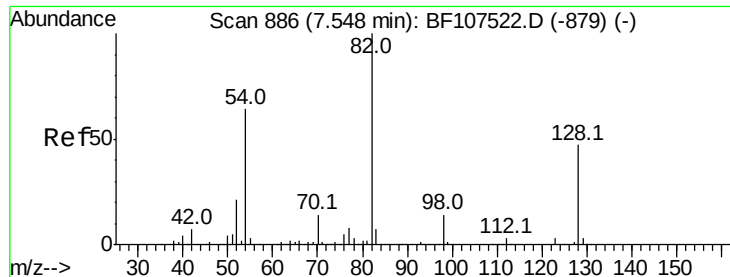
54 9.7 6.6 9.8

68 6.1 5.0 7.4



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): BF1  
Ion 68.00 (67.70 to 68.70): BF1

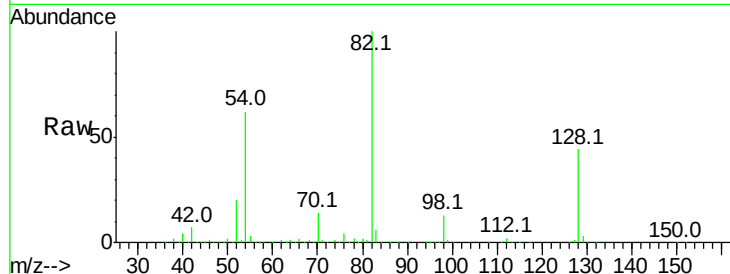




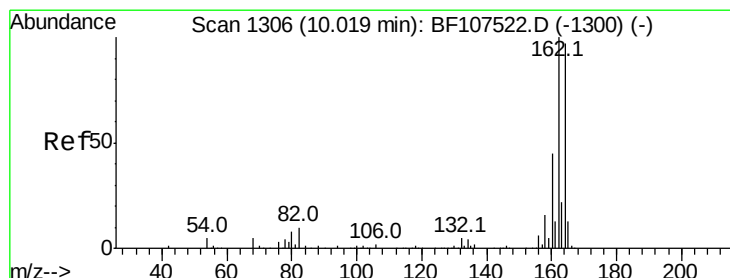
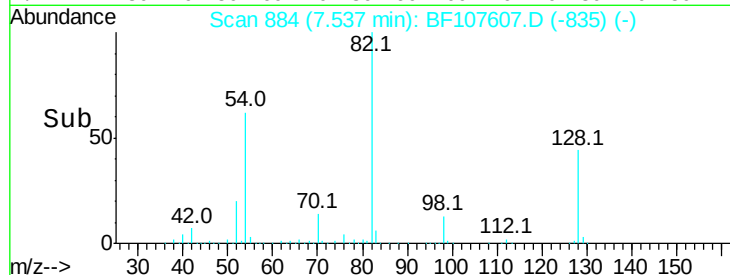
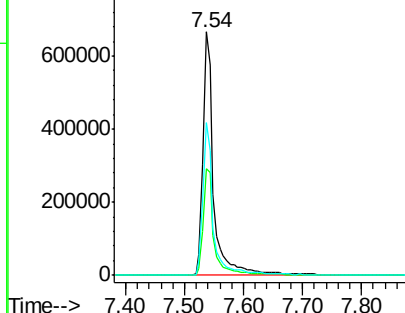
#23  
Nitrobenzene-d5  
Concen: 61.969 ng  
RT: 7.54 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-08

Tot Ion: 82 Resp: 841596  
Ion Ratio Lower Upper  
82 100  
128 43.9 36.1 54.1  
54 62.5 41.4 62.2#

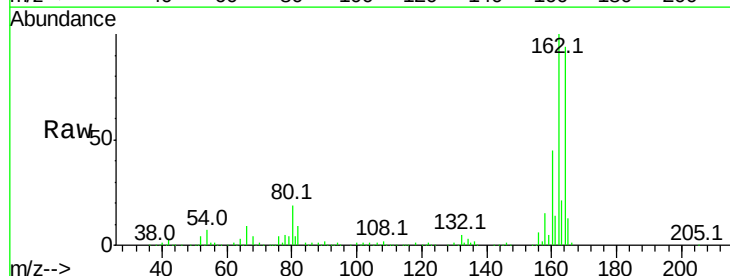


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

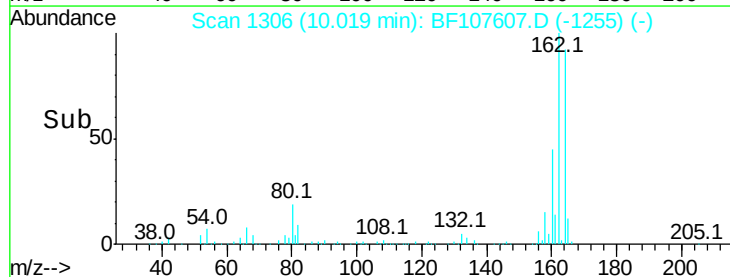
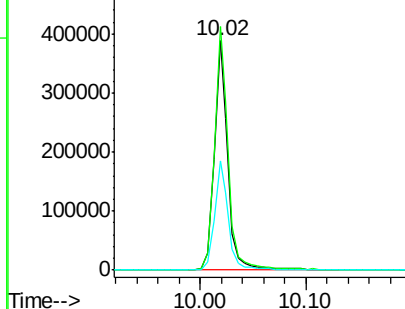


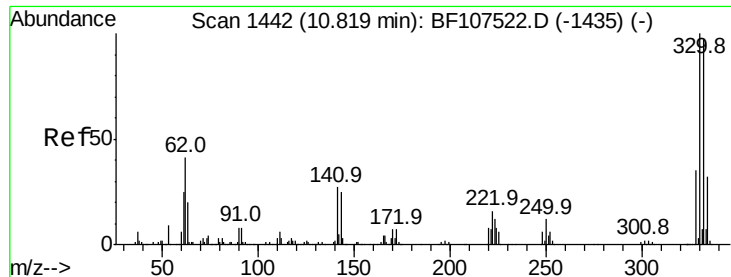
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

Tgt Ion:164 Resp: 352875  
Ion Ratio Lower Upper  
164 100  
162 106.2 86.1 129.1  
160 47.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

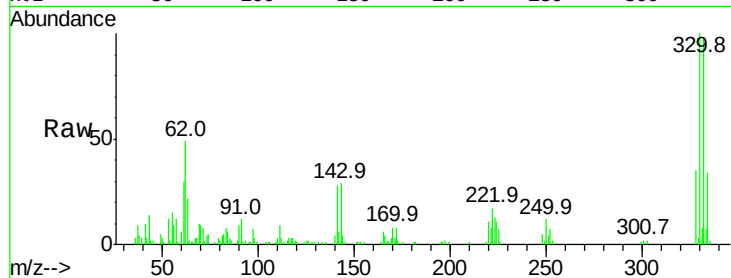




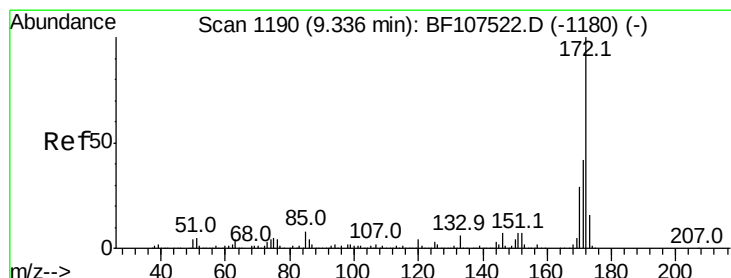
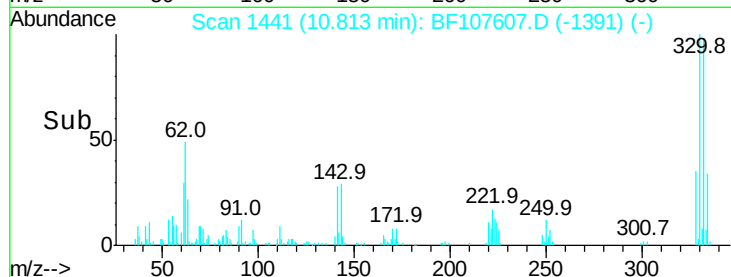
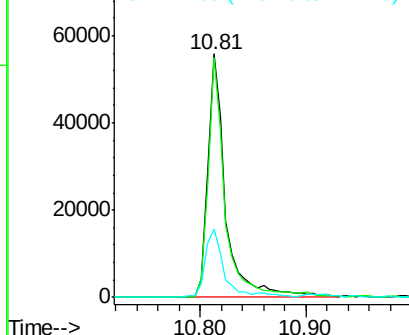
#41  
 2,4,6-Tribromophenol  
 Concen: 16.391 ng  
 RT: 10.81 min Scan# 1441  
 Delta R.T. -0.01 min  
 Lab File: BF107607.D  
 Acq: 24 Jul 2018 00:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DPC-81753-FB-08

Tot Ion:330 Resp: 65772  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 77.0 115.6  
 141 30.1 29.9 44.9

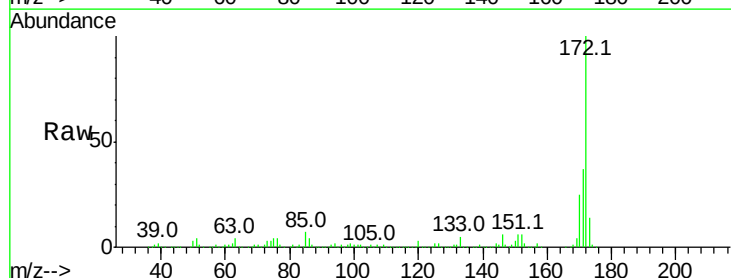


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

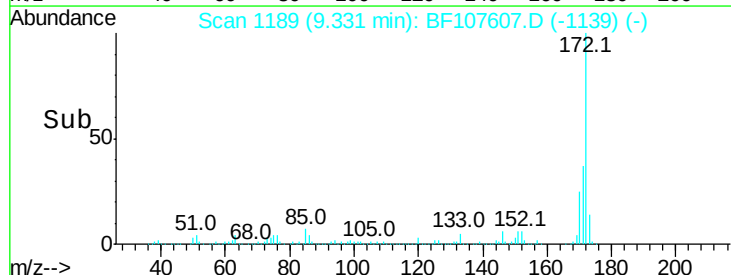
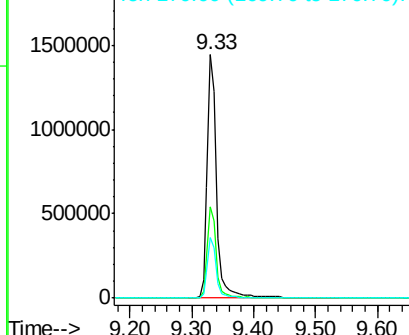


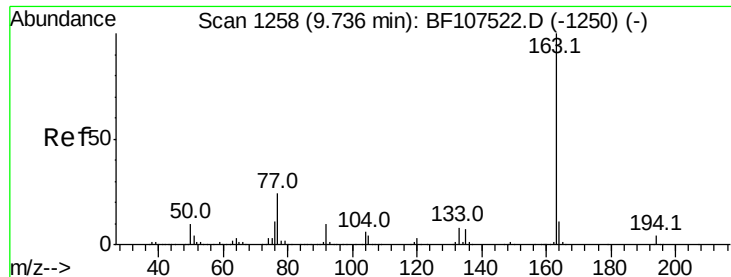
#44  
 2-Fluorobiphenyl  
 Concen: 70.439 ng  
 RT: 9.33 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF107607.D  
 Acq: 24 Jul 2018 00:43

Tgt Ion:172 Resp: 1522521  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.7 44.5  
 170 24.8 19.6 29.4



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

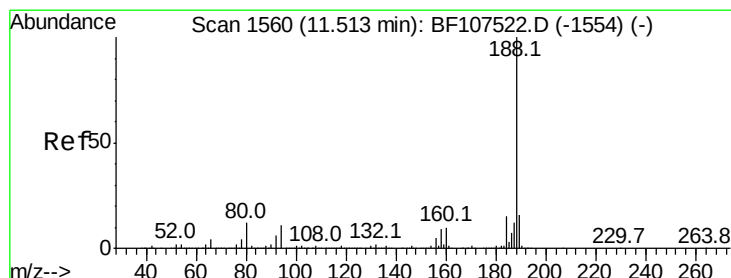
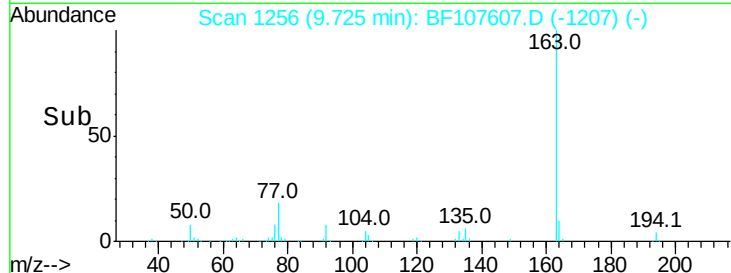
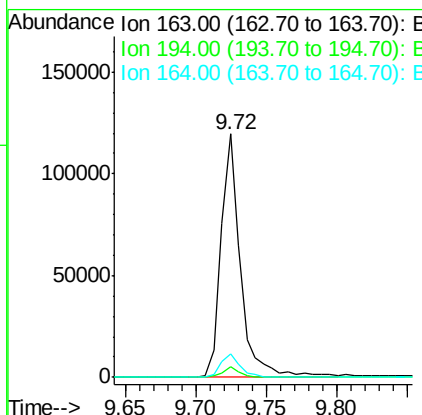
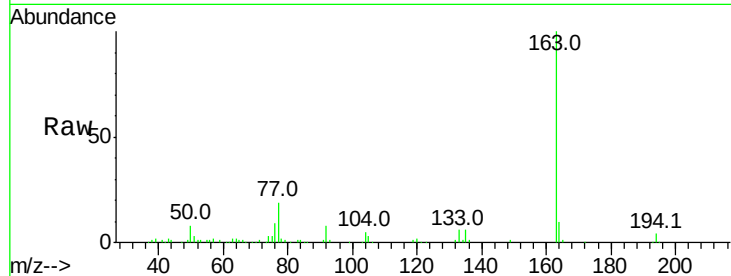




#49  
Dimethylphthalate  
Concen: 4.366 ng  
RT: 9.72 min Scan# 1256  
Delta R.T. -0.01 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

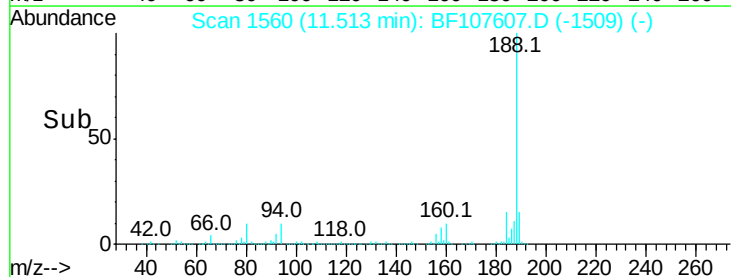
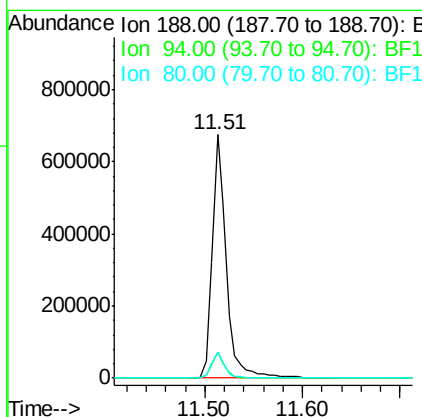
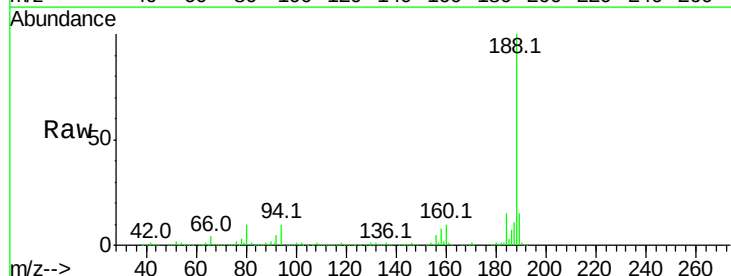
Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-08

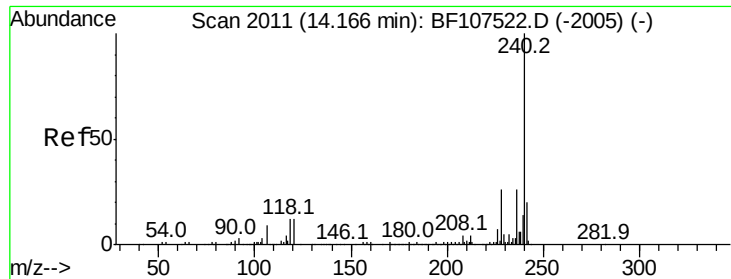
Tot Ion:163 Resp: 116111  
Ion Ratio Lower Upper  
163 100  
194 4.2 2.7 4.1#  
164 9.6 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1560  
Delta R.T. 0.00 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

Tgt Ion:188 Resp: 673891  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 10.5 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF107607.D

Acq: 24 Jul 2018 00:43

Instrument :

BNA\_F

ClientSampleId :

DPC-81753-FB-08

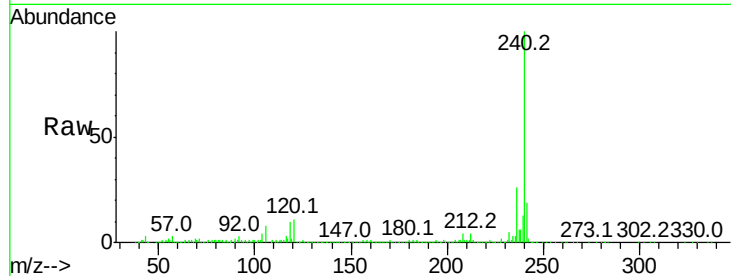
Tot Ion:240 Resp: 518453

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

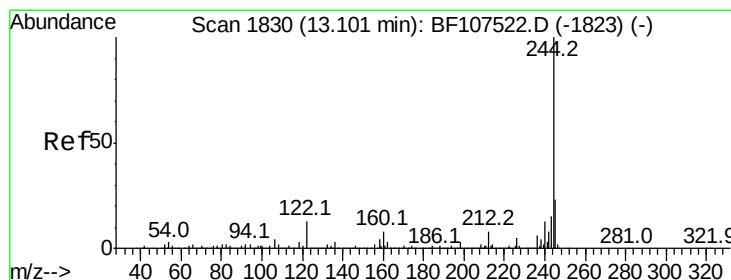
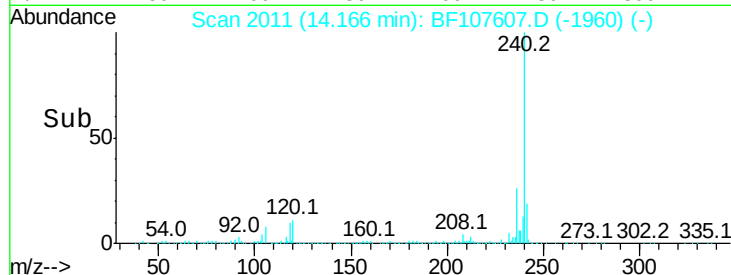
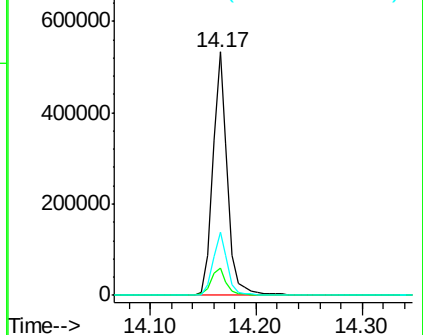
236 26.1 20.7 31.1



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: 72.181 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107607.D

Acq: 24 Jul 2018 00:43

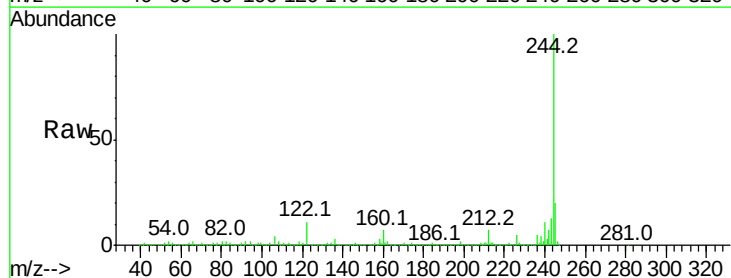
Tgt Ion:244 Resp: 1461753

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

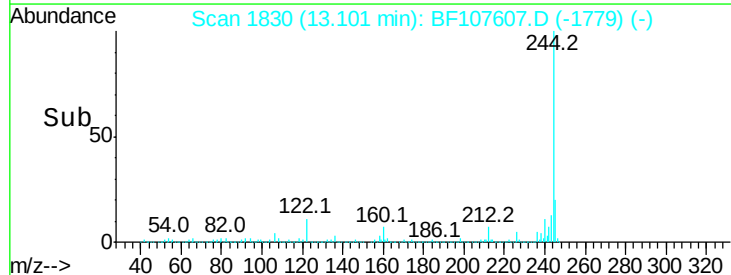
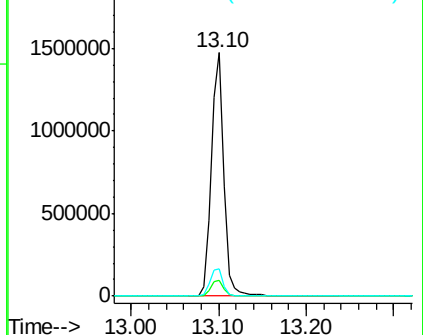
122 11.3 11.0 16.4



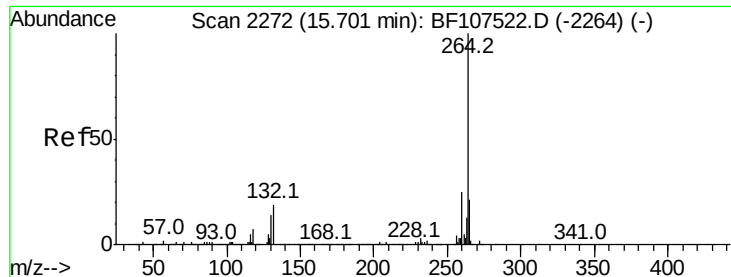
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



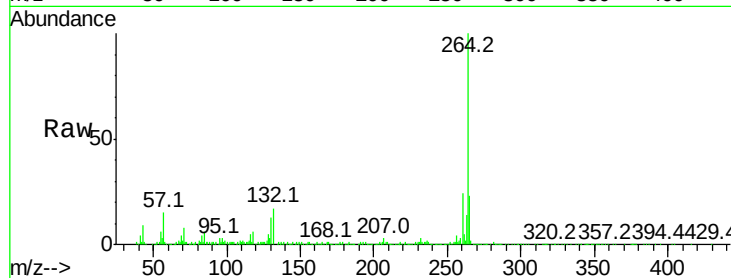




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.71 min Scan# 2273  
Delta R.T. 0.01 min  
Lab File: BF107607.D  
Acq: 24 Jul 2018 00:43

Instrument :  
BNA\_F  
ClientSampleId :  
DPC-81753-FB-08

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 23.0  | 17.5  | 26.3  |



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

