

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\  
 Data File : BF111863.D  
 Acq On : 4 Jan 2019 23:41  
 Operator : JU/SJ  
 Sample : K1034-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

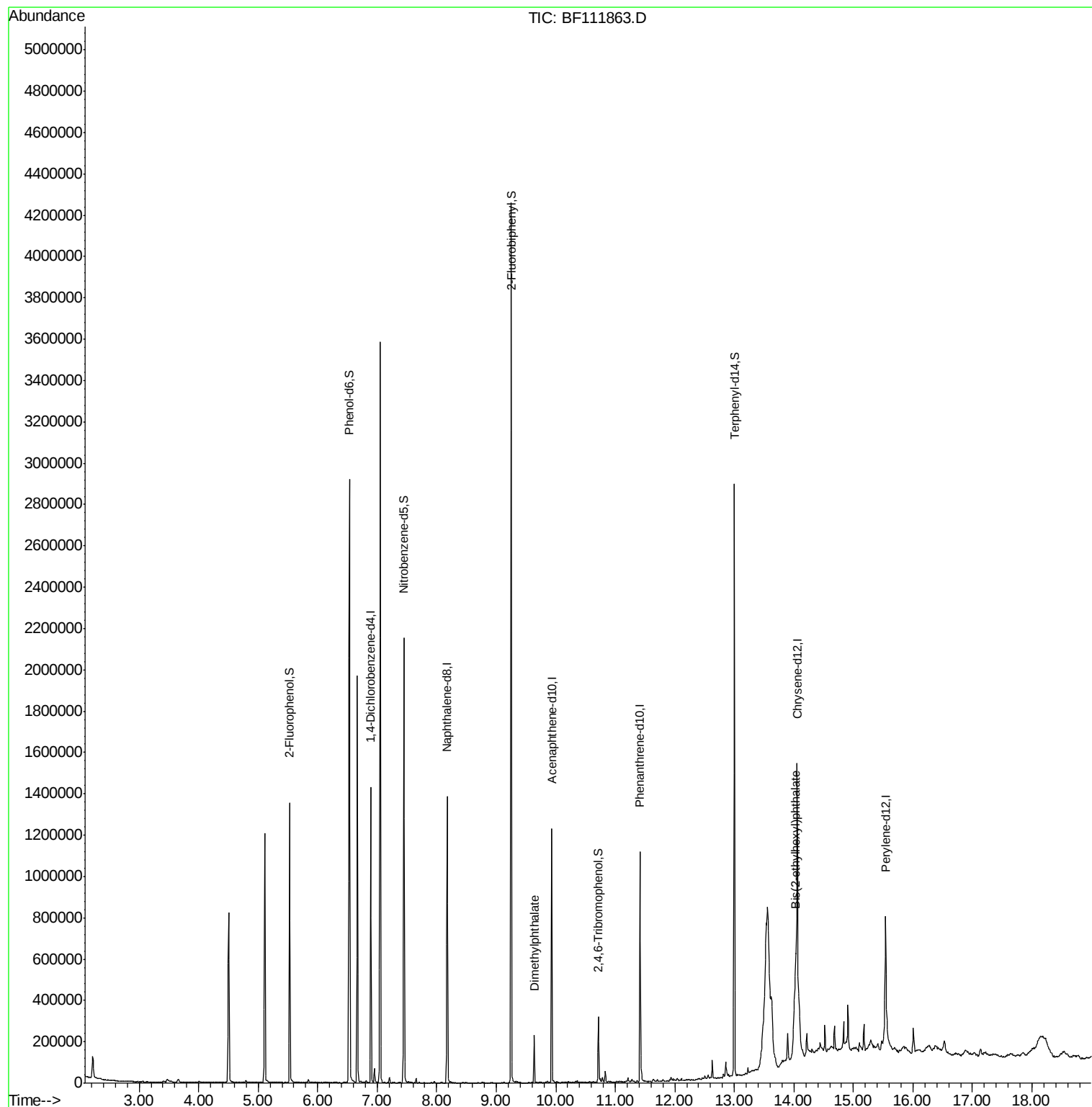
Quant Time: Jan 05 00:48:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 189539   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 575631   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 257242   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.42 | 188  | 377997   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 14.06 | 240  | 340952   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.54 | 264  | 289252   | 20.00 | ng    | 0.03     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 337795   | 30.38 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.53  | 99   | 912388   | 64.47 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 667911   | 67.54 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.72 | 330  | 35612    | 11.72 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 1258922  | 71.33 | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.00 | 244  | 994978   | 55.34 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 50) Dimethylphthalate          | 9.64  | 163  | 89807    | 4.774 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 50416    | 4.078 | ng    | # 95     |

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

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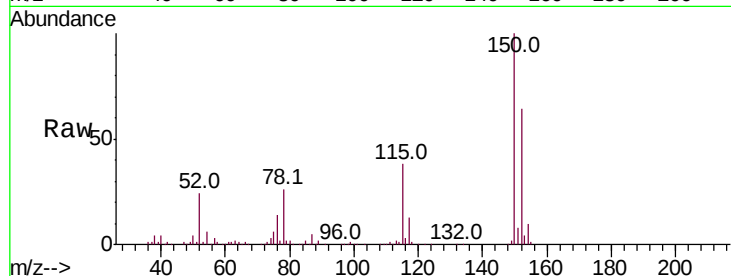




#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF111863.D  
Acq: 4 Jan 2019 23:41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 126.6 | 189.8 |
| 115     | 59.2  | 50.7  | 76.1  |

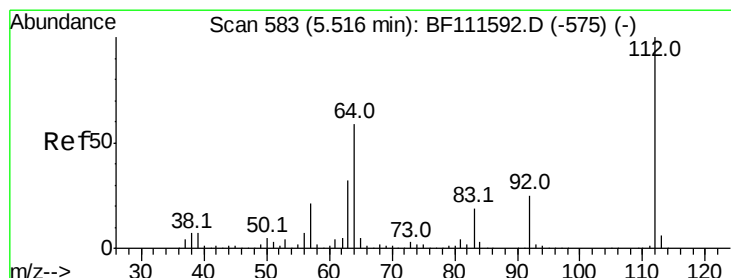
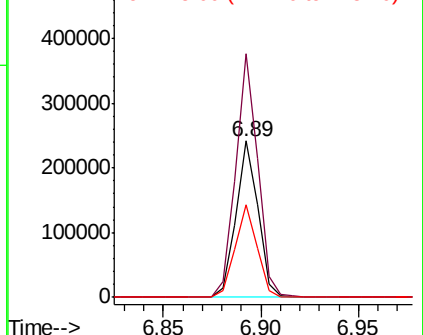
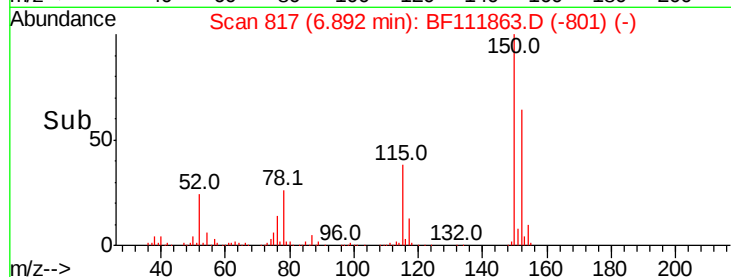


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

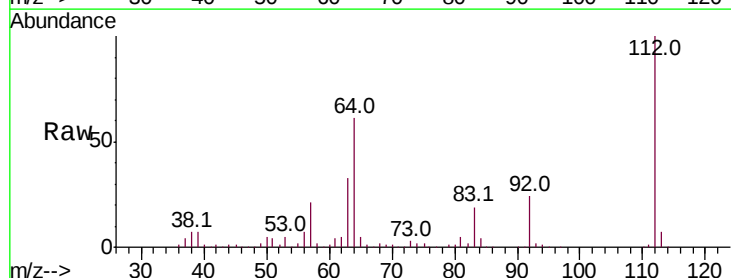
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 30.378 ng  
RT: 5.53 min Scan# 585  
Delta R.T. 0.01 min  
Lab File: BF111863.D  
Acq: 4 Jan 2019 23:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.0  | 51.8  | 77.6  |
| 63      | 32.7  | 26.8  | 40.2  |

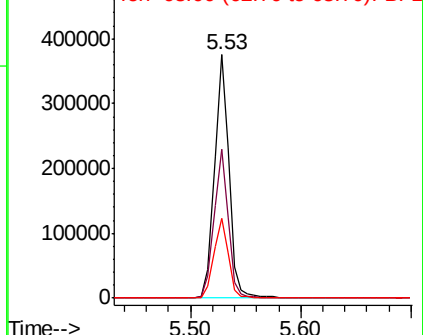
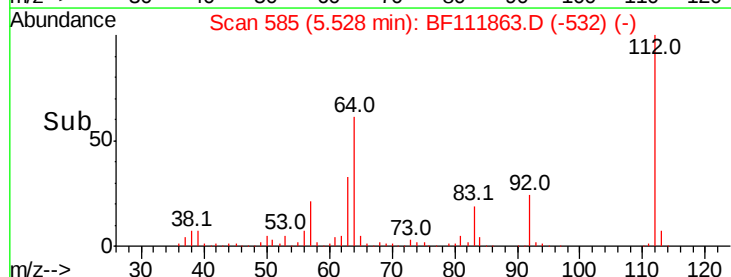


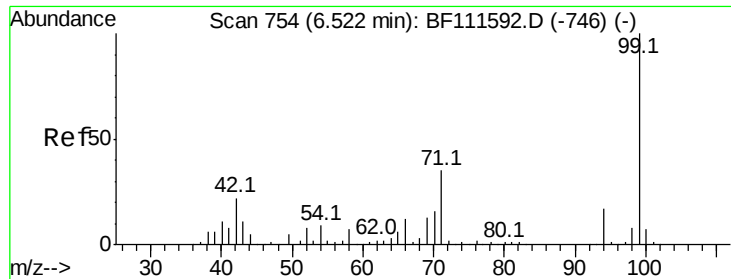
Abundance

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: 64.473 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

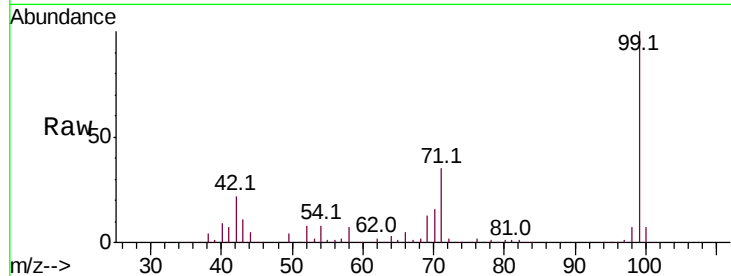
Tot Ion: 99 Resp: 912388

Ion Ratio Lower Upper

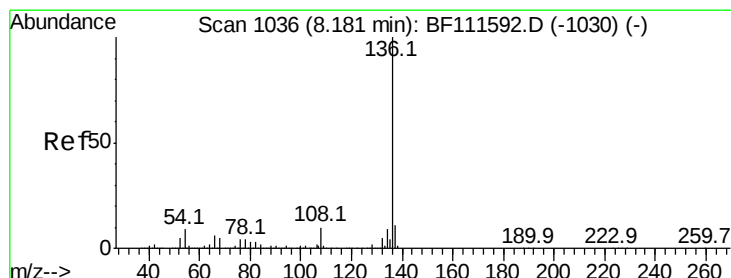
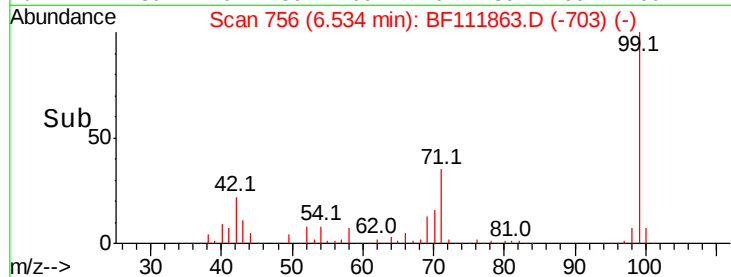
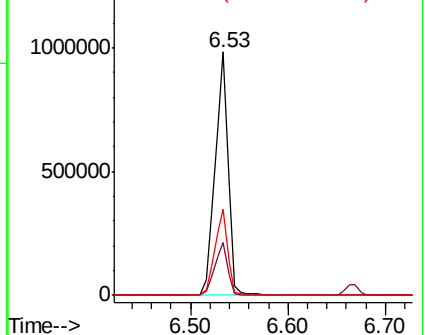
99 100

42 21.9 17.4 26.0

71 35.4 26.1 39.1



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

Tgt Ion: 136 Resp: 575631

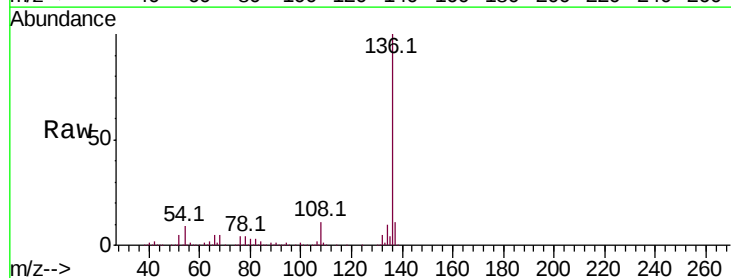
Ion Ratio Lower Upper

136 100

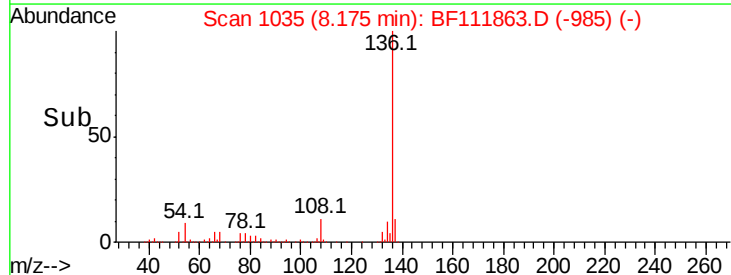
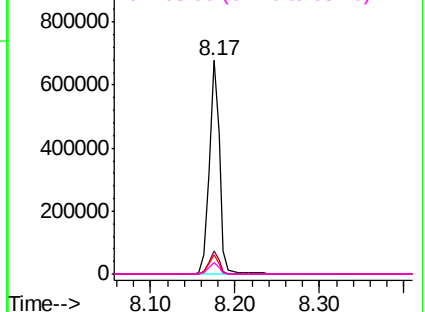
137 11.0 9.1 13.7

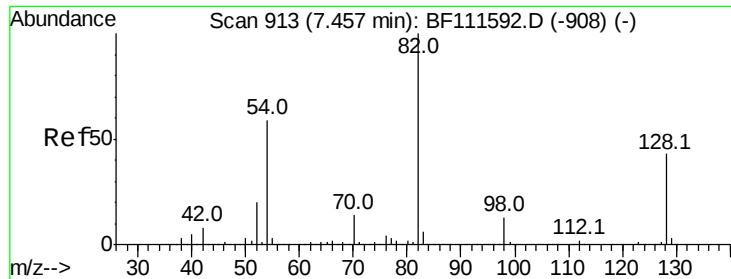
54 8.8 7.7 11.5

68 5.1 4.9 7.3



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: 67.539 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

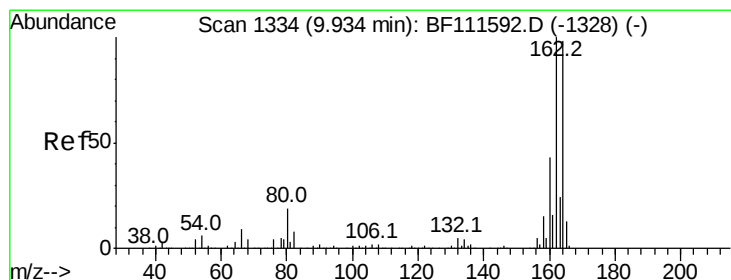
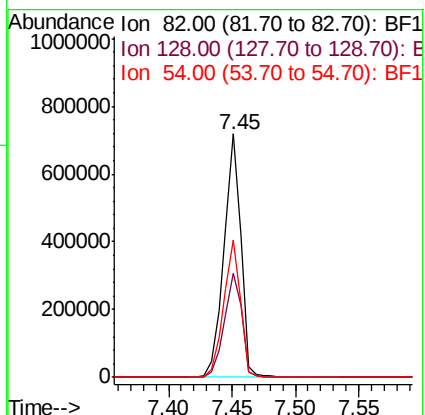
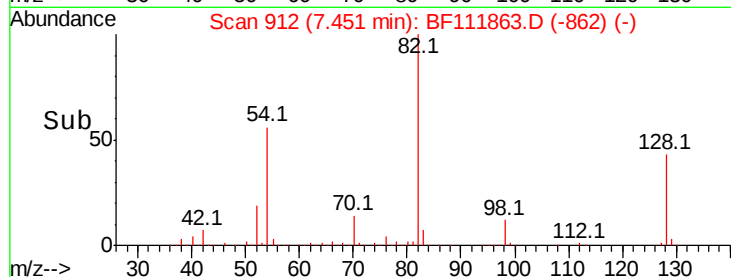
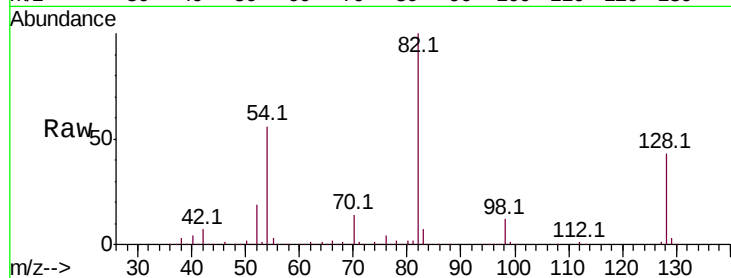
Tot Ion: 82 Resp: 667911

Ion Ratio Lower Upper

82 100

128 42.7 37.4 56.2

54 56.3 47.6 71.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

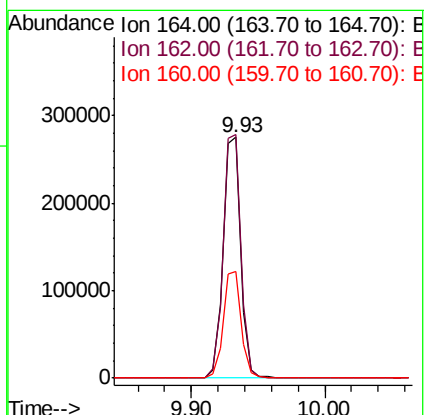
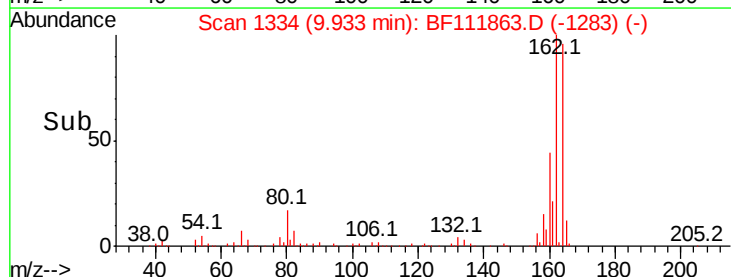
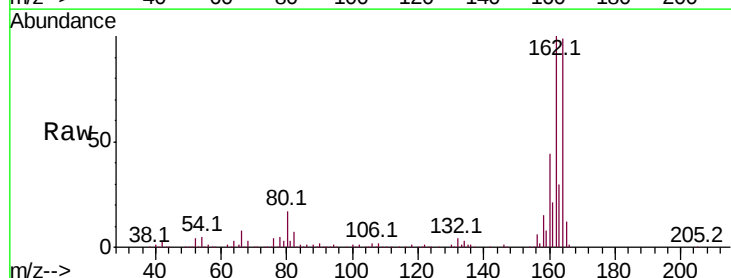
Tgt Ion:164 Resp: 257242

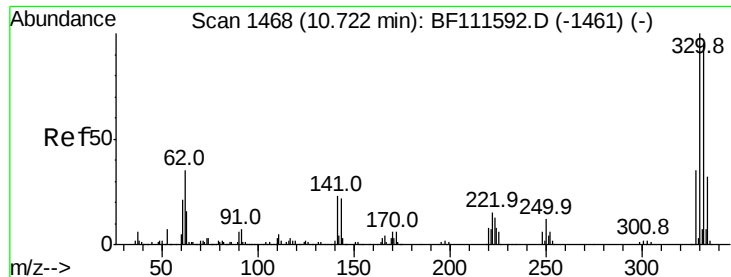
Ion Ratio Lower Upper

164 100

162 101.1 81.4 122.0

160 44.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 11.716 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

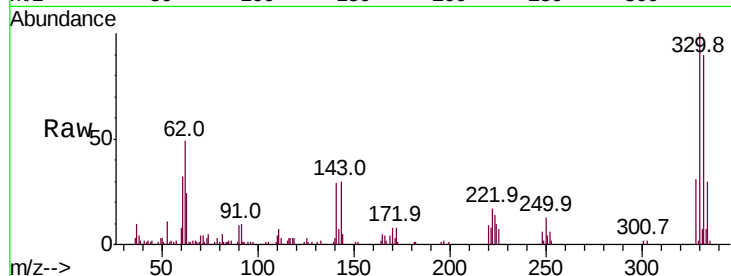
Tot Ion:330 Resp: 35612

Ion Ratio Lower Upper

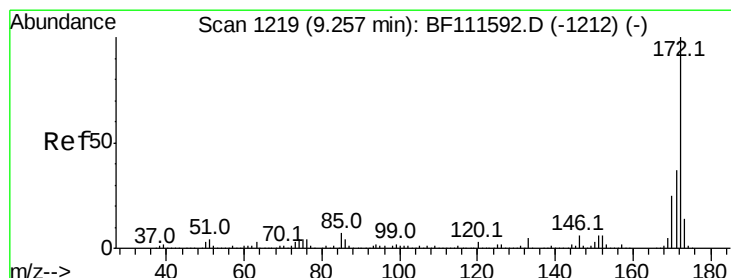
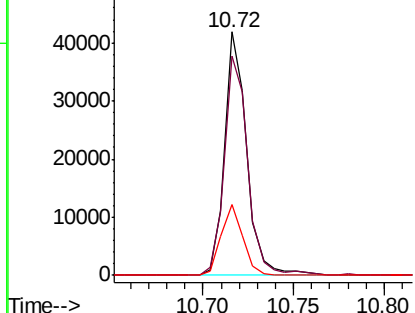
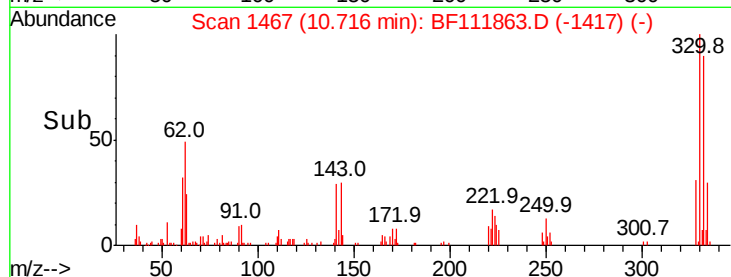
330 100

332 95.0 76.0 114.0

141 28.3 31.0 46.6#



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: 71.333 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

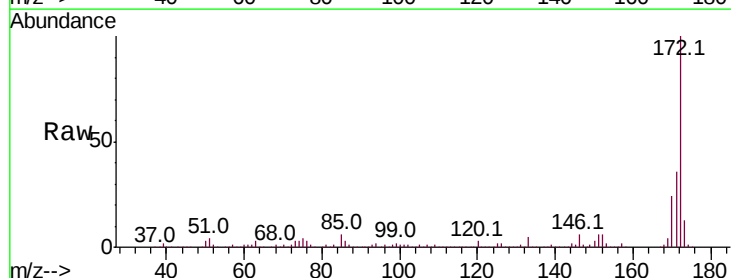
Tgt Ion:172 Resp: 1258922

Ion Ratio Lower Upper

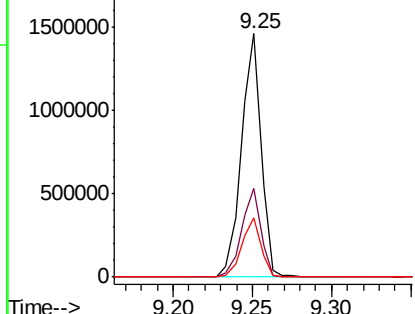
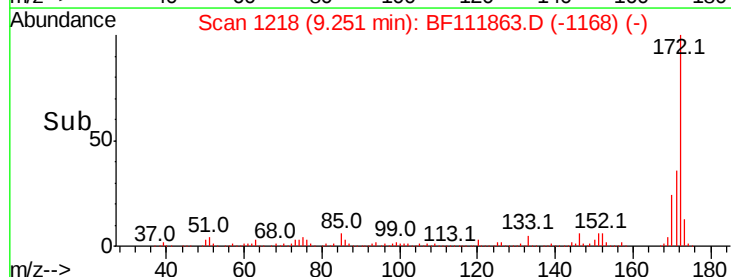
172 100

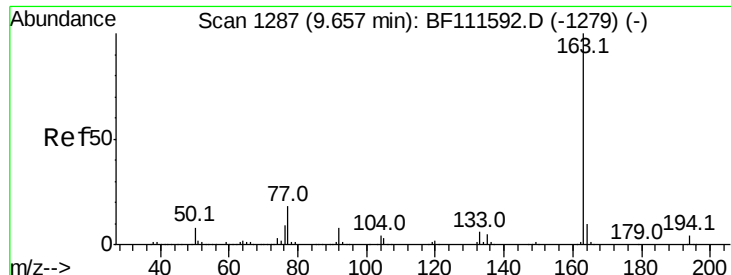
171 36.2 33.0 49.4

170 24.2 22.3 33.5



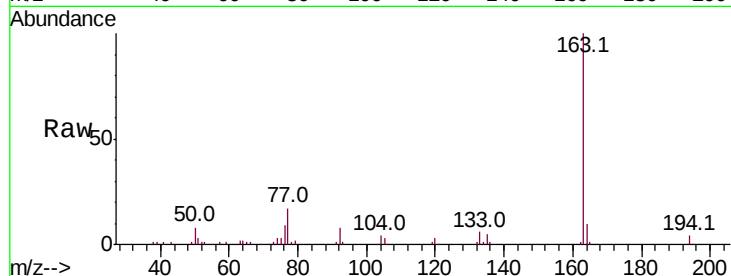
Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E



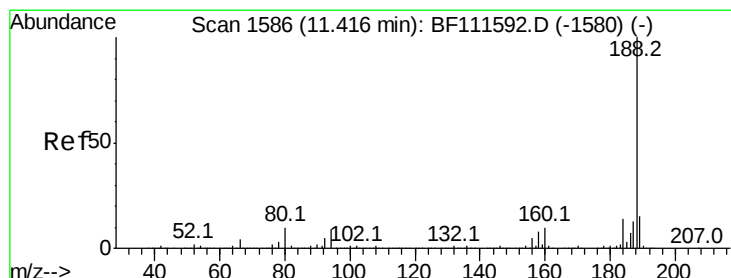
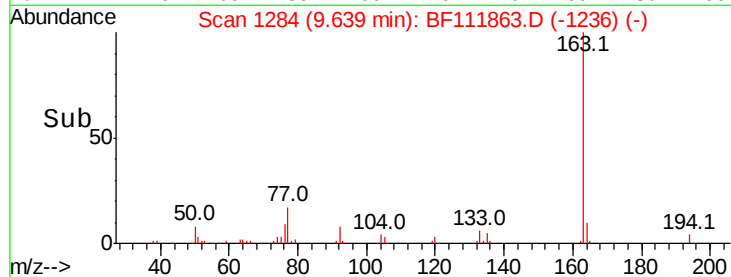
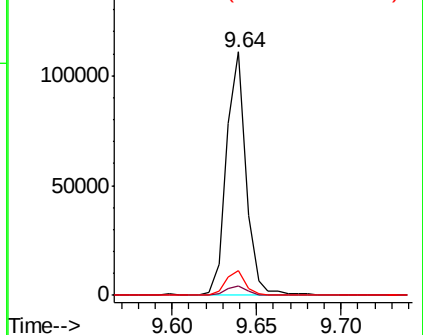


#50  
Dimethylphthalate  
Concen: 4.774 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF111863.D  
Acq: 4 Jan 2019 23:41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.0   | 4.6   |
| 164     | 10.0  | 8.9   | 13.3  |

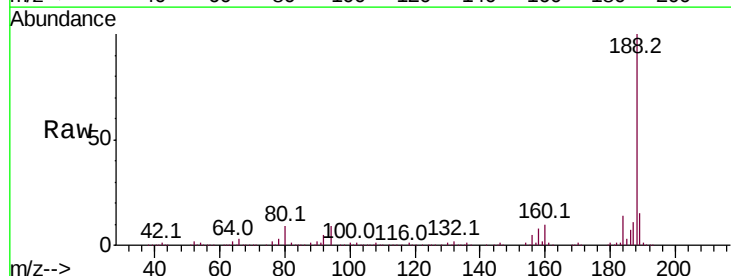


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

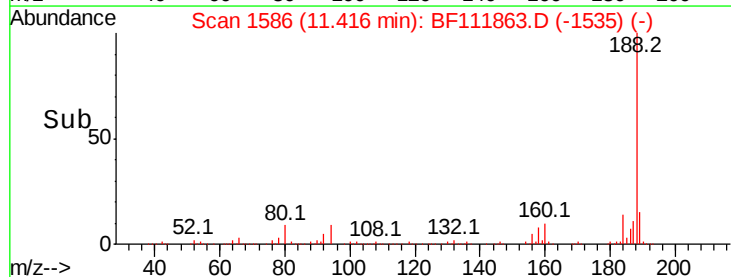
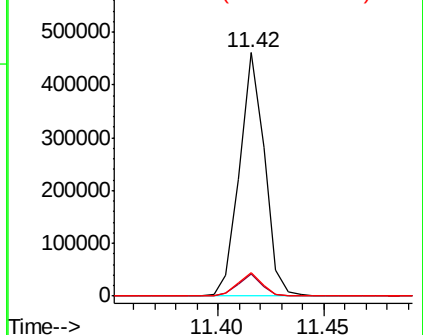


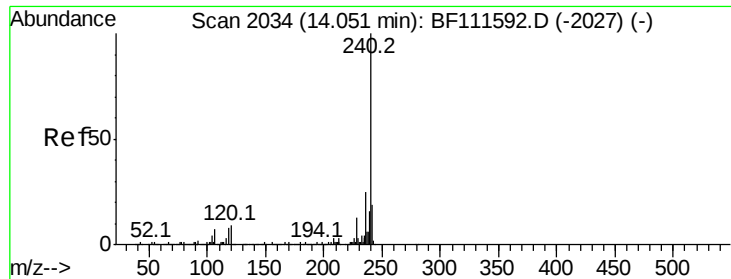
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: BF111863.D  
Acq: 4 Jan 2019 23:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 9.6   | 14.4# |
| 80      | 9.4   | 9.8   | 14.6# |



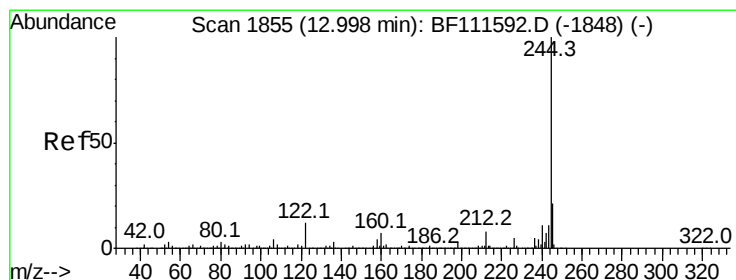
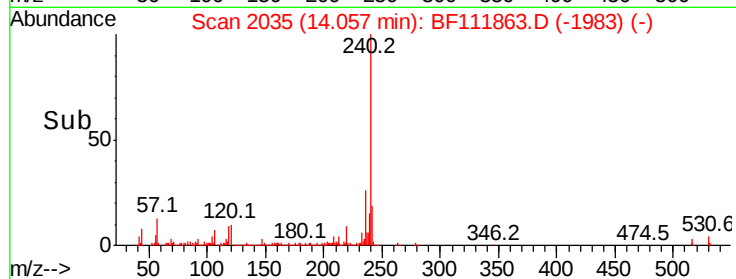
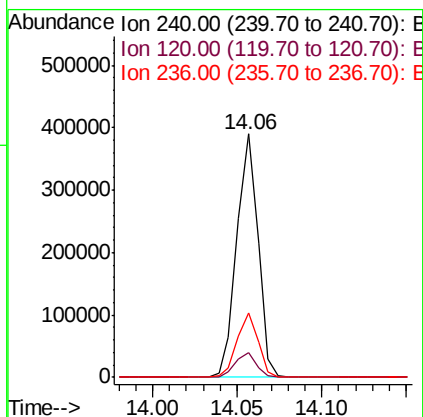
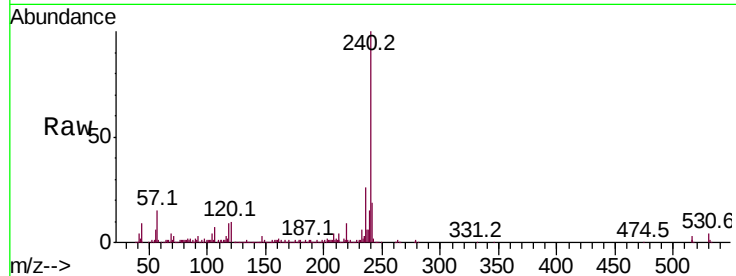
Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





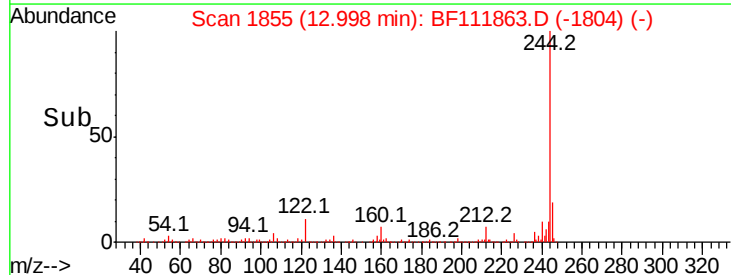
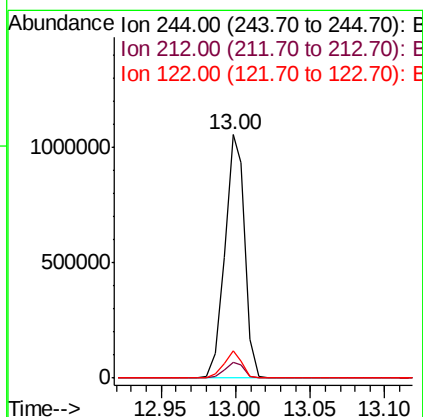
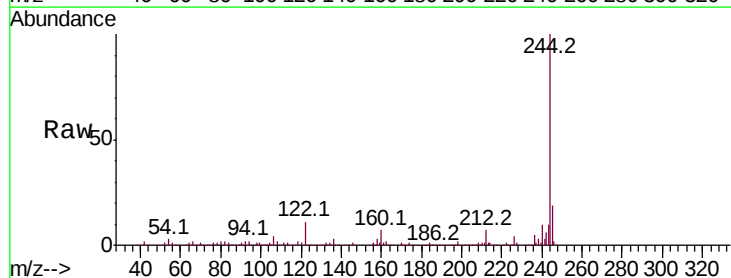
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. 0.01 min  
 Lab File: BF111863.D  
 Acq: 4 Jan 2019 23:41

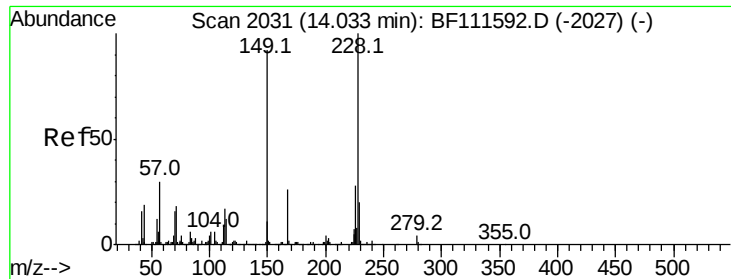
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.9   | 12.2  | 18.2# |
| 236     | 26.4  | 20.2  | 30.2  |



#79  
 Terphenyl-d14  
 Concen: 55.342 ng  
 RT: 13.00 min Scan# 1855  
 Delta R.T. -0.00 min  
 Lab File: BF111863.D  
 Acq: 4 Jan 2019 23:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.7   | 8.5   |
| 122     | 11.2  | 13.1  | 19.7# |





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.078 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

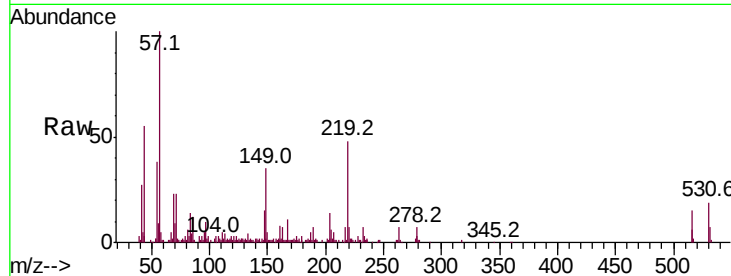
Tot Ion:149 Resp: 50416

Ion Ratio Lower Upper

149 100

167 30.1 22.5 33.7

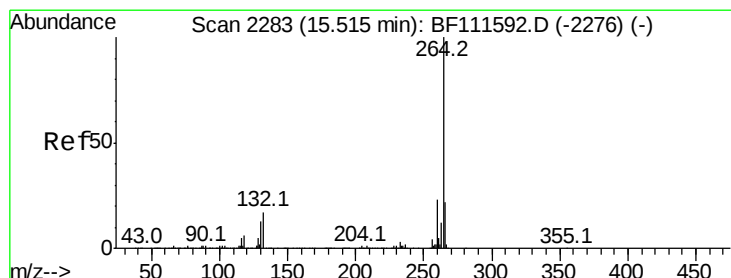
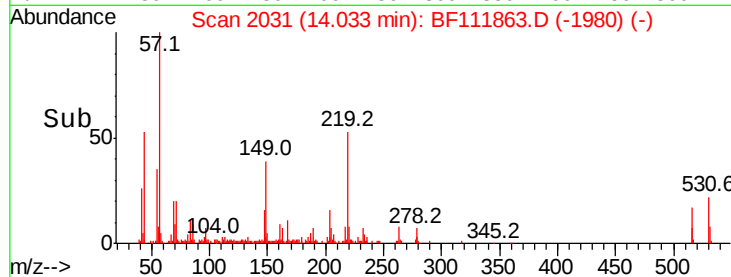
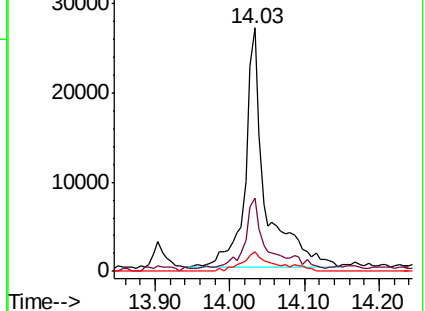
279 8.3 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2283

Delta R.T. 0.03 min

Lab File: BF111863.D

Acq: 4 Jan 2019 23:41

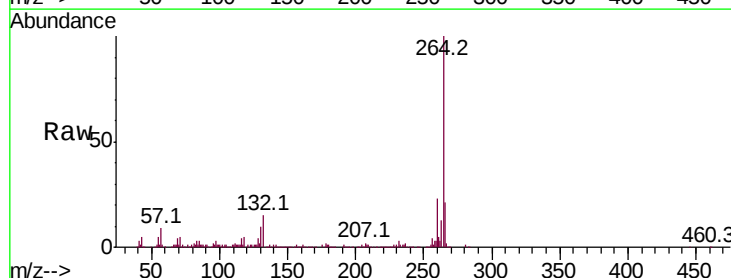
Tgt Ion:264 Resp: 289252

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 21.3 17.7 26.5



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

