

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\  
 Data File : BF102070.D  
 Acq On : 15 Jan 2018 18:40  
 Operator : SJ/JU  
 Sample : J1019-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-011218-A

Quant Time: Jan 16 00:05:44 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 12:53:54 2018  
 Response via : Initial Calibration

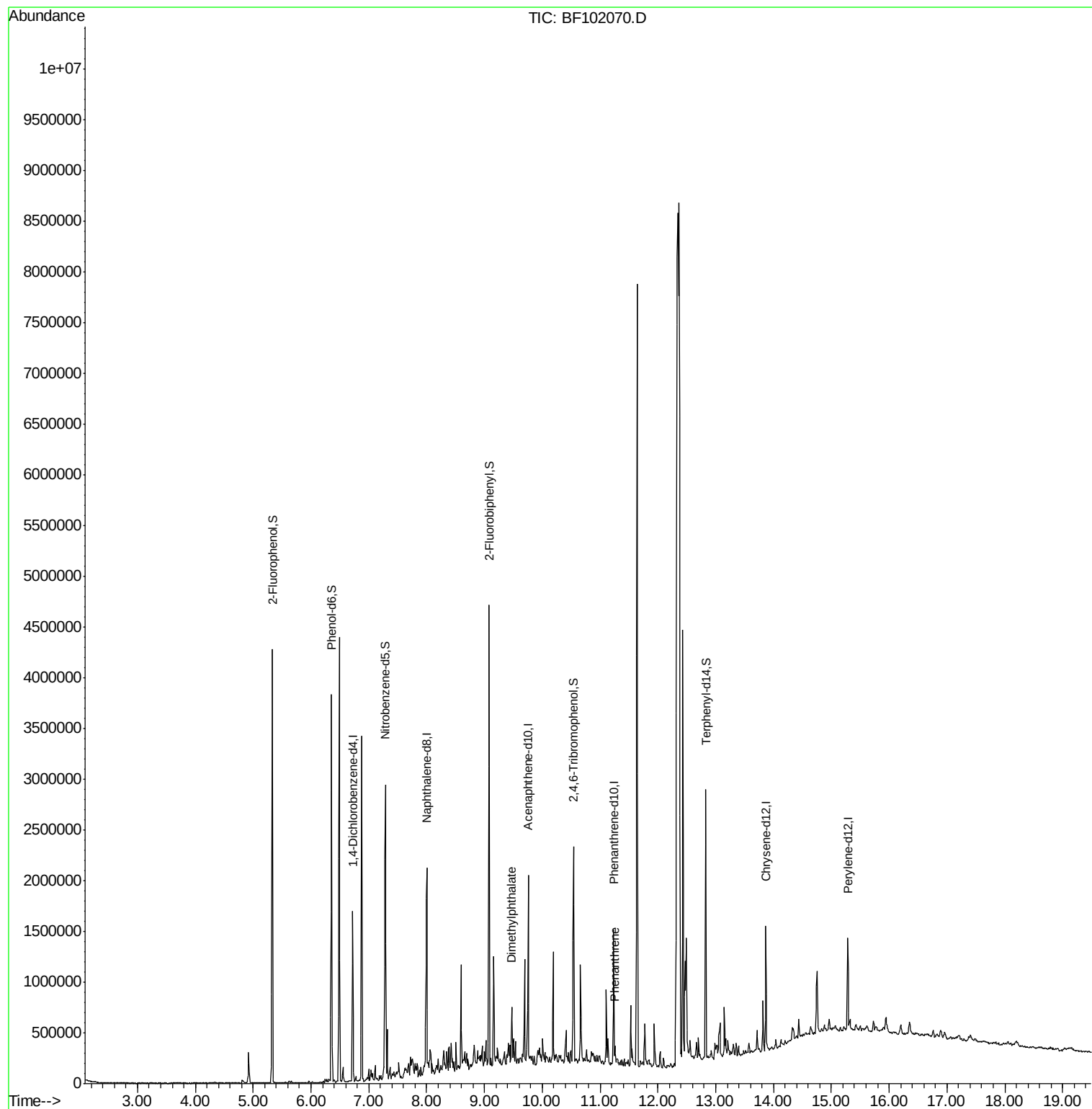
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 219617   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 853477   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.76  | 164  | 339719   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.23 | 188  | 469663   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.87 | 240  | 383617   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.29 | 264  | 391728   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 1287191  | 82.76 | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 1540703  | 83.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 943788   | 64.98 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 236650   | 79.82 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 1353151  | 62.23 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.83 | 244  | 845684   | 45.77 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 49) Dimethylphthalate       | 9.47  | 163  | 113276   | 4.157 | ng    | 99       |
| 70) Phenanthrene            | 11.26 | 178  | 55432    | 2.021 | ng    | 97       |

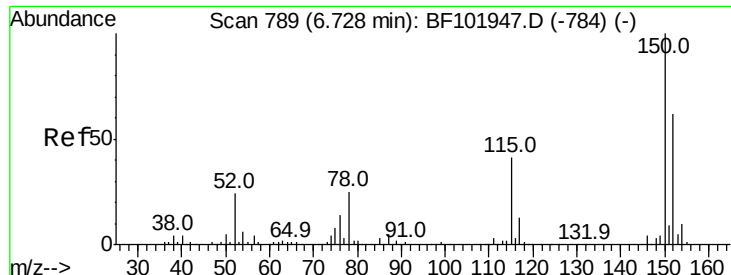
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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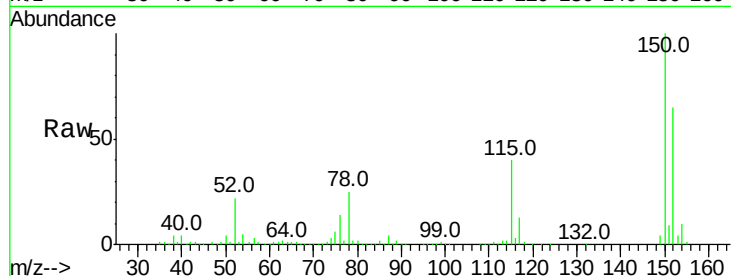


#1

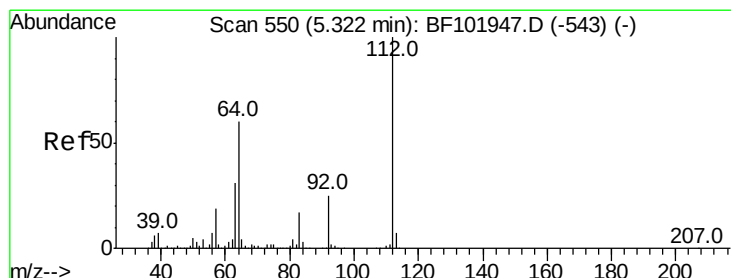
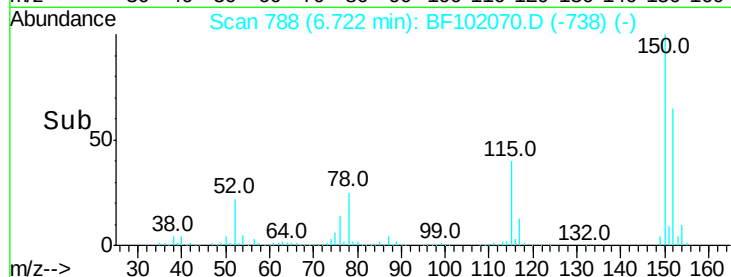
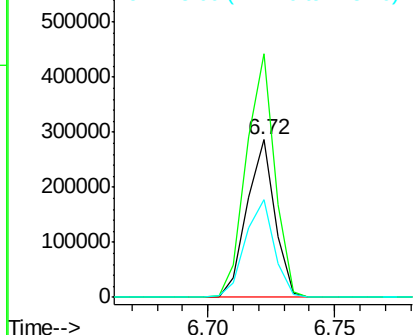
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF102070.D  
Acq: 15 Jan 2018 18:40

Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-011218-A

Tot Ion:152 Resp: 219617  
Ion Ratio Lower Upper  
152 100  
150 154.5 124.6 186.8  
115 61.7 50.1 75.1



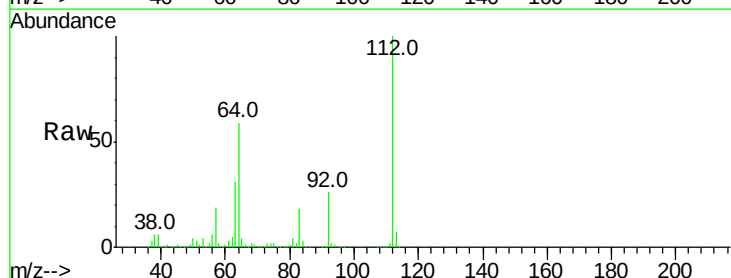
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



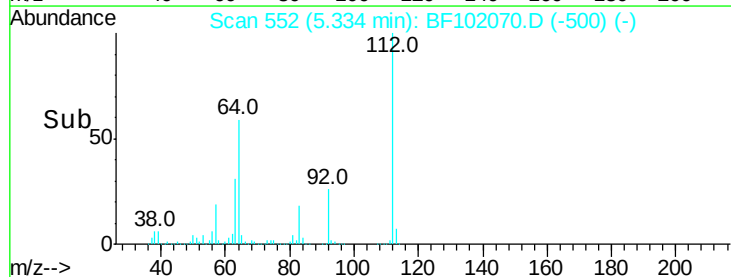
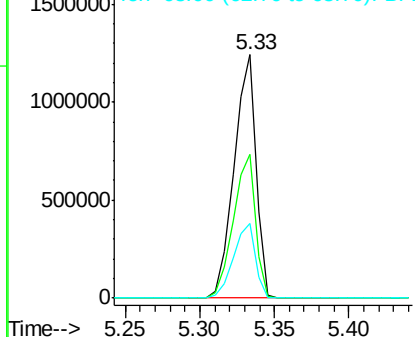
#5

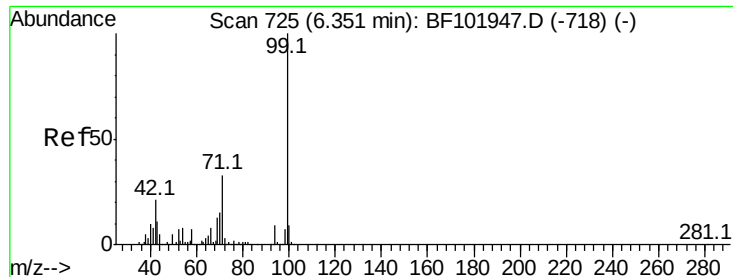
2-Fluorophenol  
Concen: 82.763 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102070.D  
Acq: 15 Jan 2018 18:40

Tgt Ion:112 Resp: 1287191  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.9 71.9  
63 30.8 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: 83.030 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

Instrument :

BNA\_F

ClientSampleId :

EO-02-011218-A

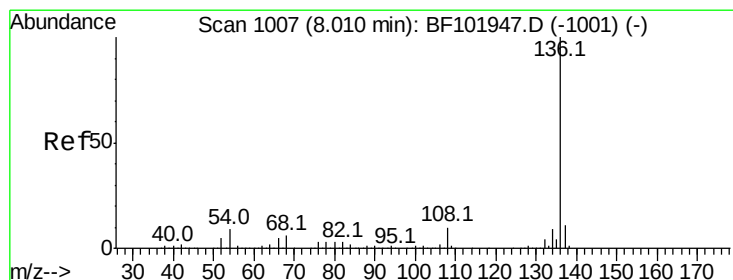
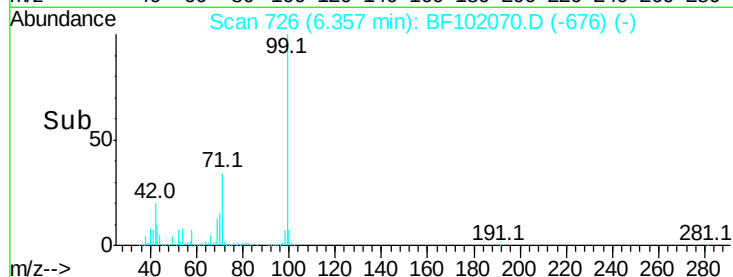
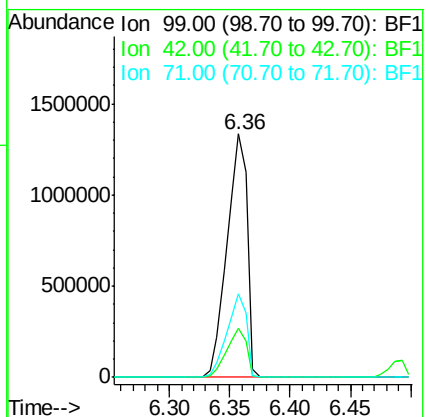
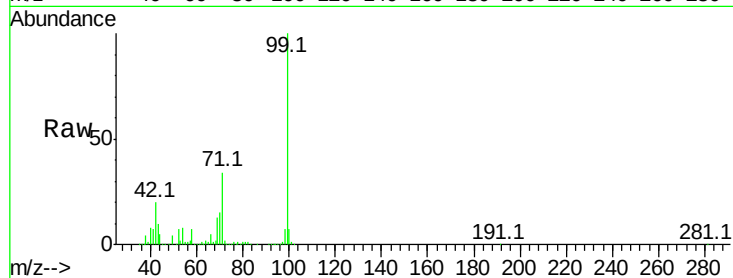
Tot Ion: 99 Resp: 1540703

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 34.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

Tgt Ion: 136 Resp: 853477

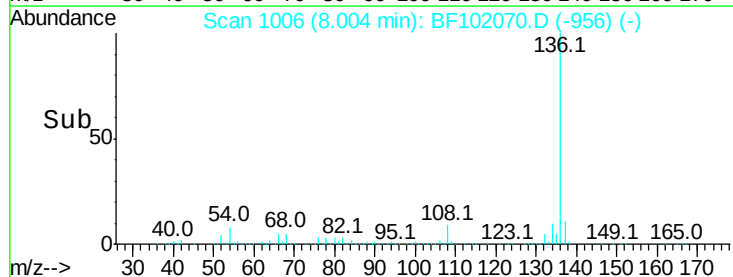
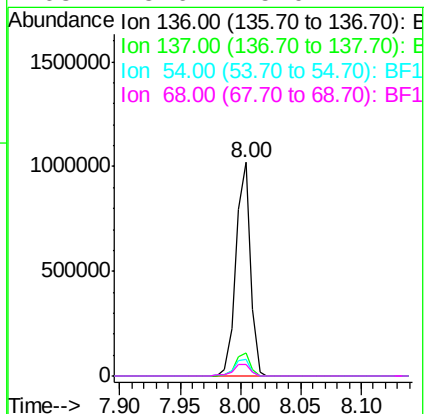
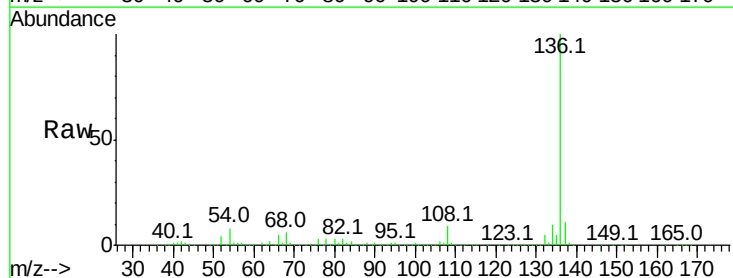
Ion Ratio Lower Upper

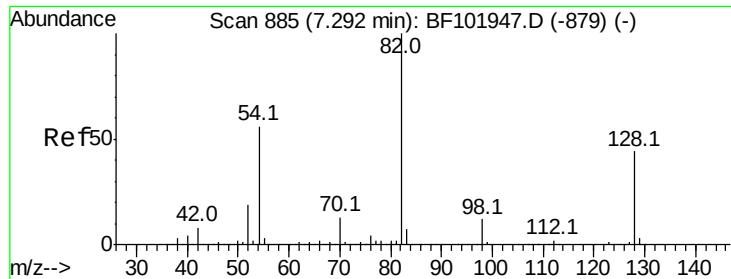
136 100

137 10.9 8.9 13.3

54 8.1 6.6 9.8

68 5.6 5.0 7.4

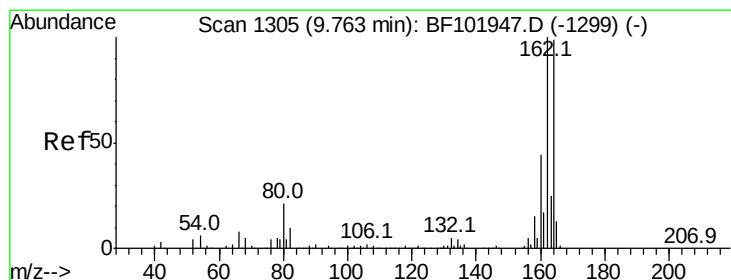
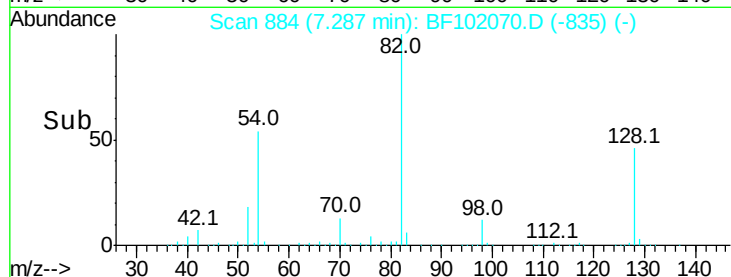
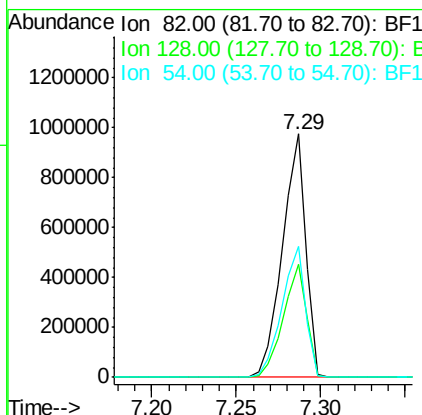
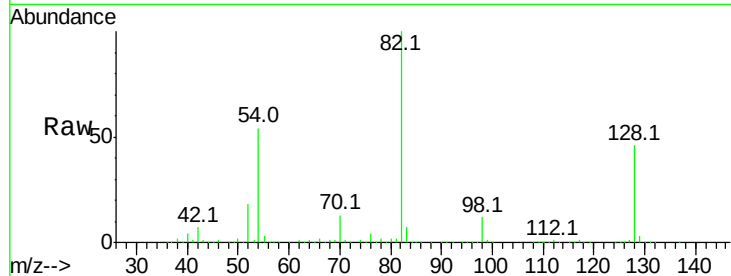




#23  
 Nitrobenzene-d5  
 Concen: 64.982 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF102070.D  
 Acq: 15 Jan 2018 18:40

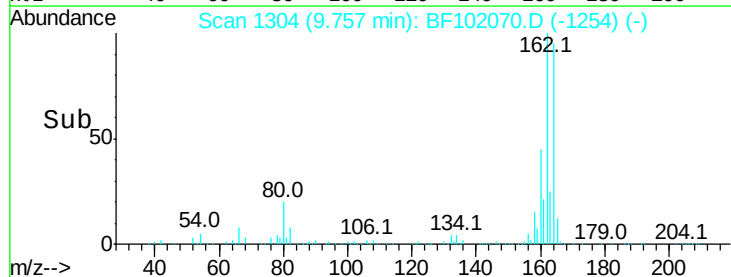
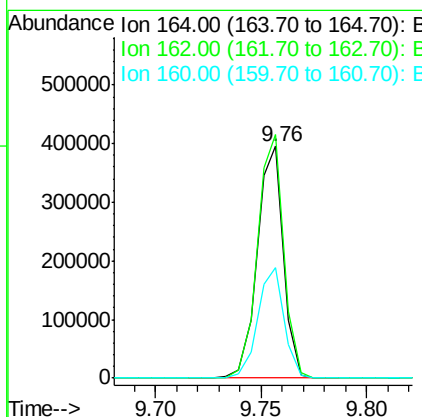
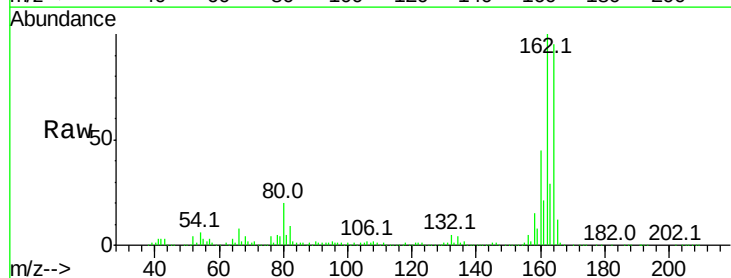
Instrument :  
 BNA\_F  
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 EO-02-011218-A

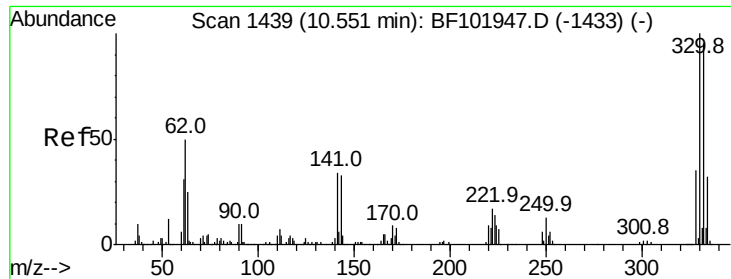
Tot Ion: 82 Resp: 943788  
 Ion Ratio Lower Upper  
 82 100  
 128 46.5 36.1 54.1  
 54 53.8 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF102070.D  
 Acq: 15 Jan 2018 18:40

Tgt Ion:164 Resp: 339719  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 86.1 129.1  
 160 47.6 38.3 57.5

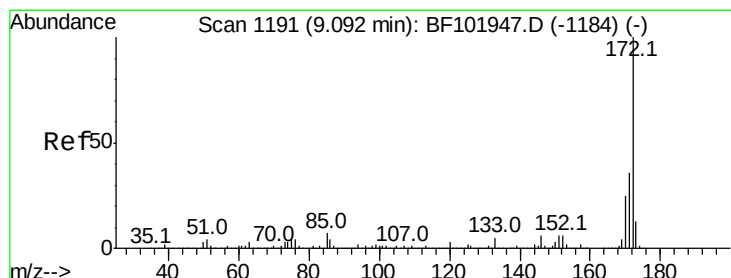
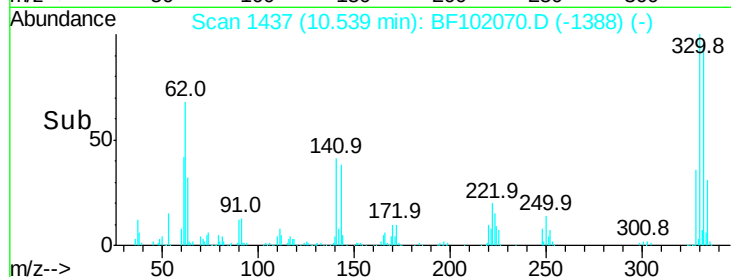
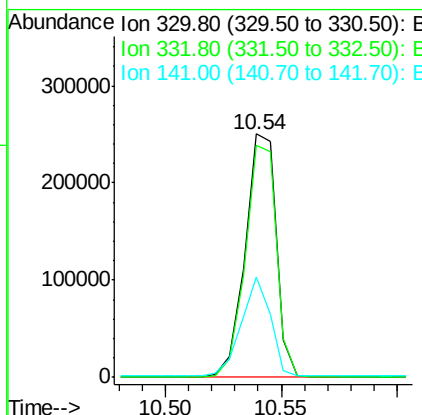
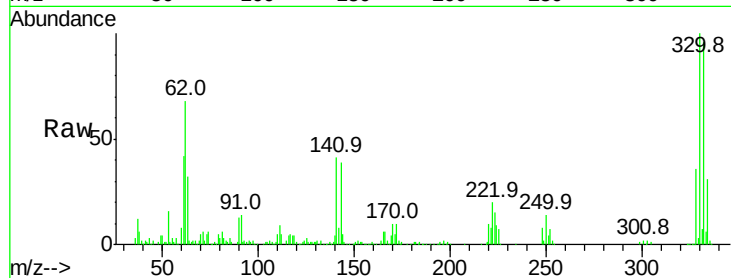




#41  
 2,4,6-Tribromophenol  
 Concen: 79.823 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF102070.D  
 Acq: 15 Jan 2018 18:40

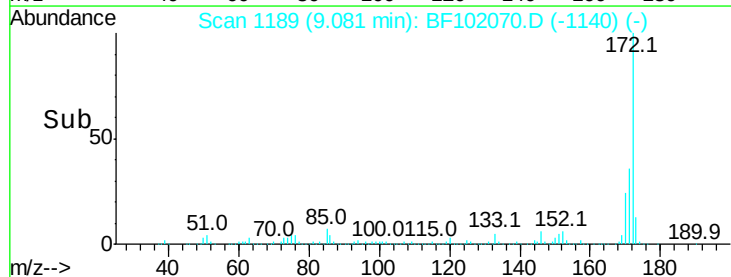
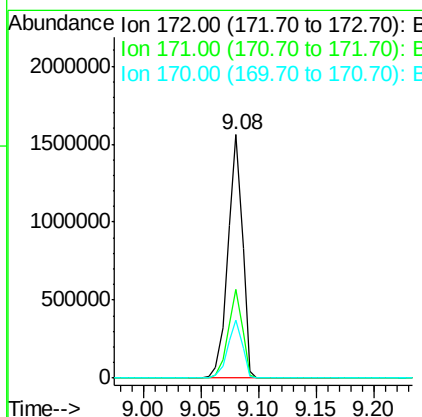
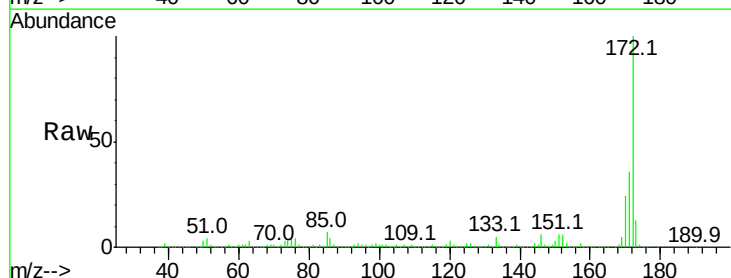
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-011218-A

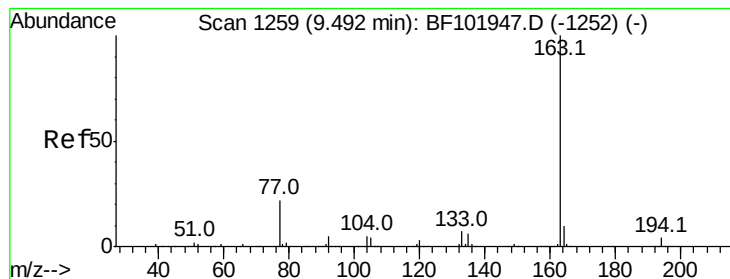
Tot Ion:330 Resp: 236650  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 37.8 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 62.228 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF102070.D  
 Acq: 15 Jan 2018 18:40

Tgt Ion:172 Resp: 1353151  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 23.9 19.6 29.4





#49

Dimethylphthalate

Concen: 4.157 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

Instrument :

BNA\_F

ClientSampleId :

EO-02-011218-A

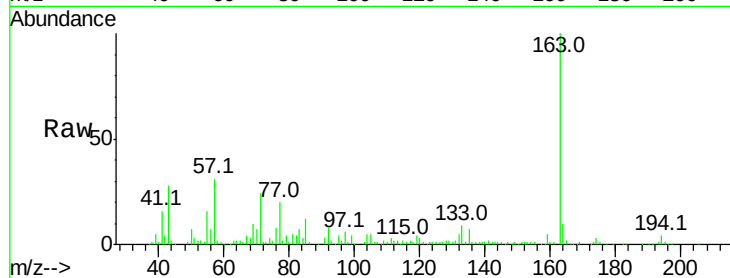
Tot Ion:163 Resp: 113276

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

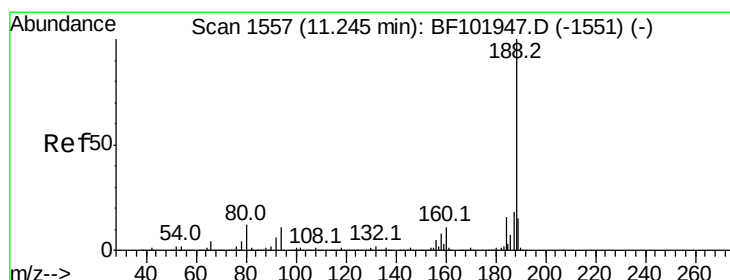
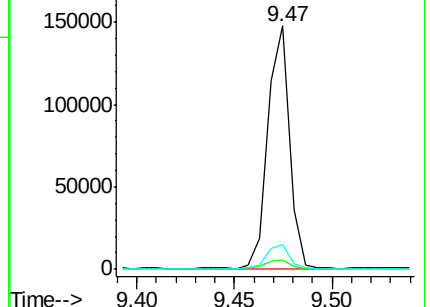
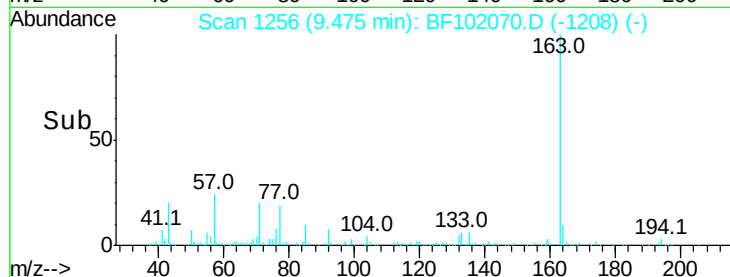
164 10.3 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

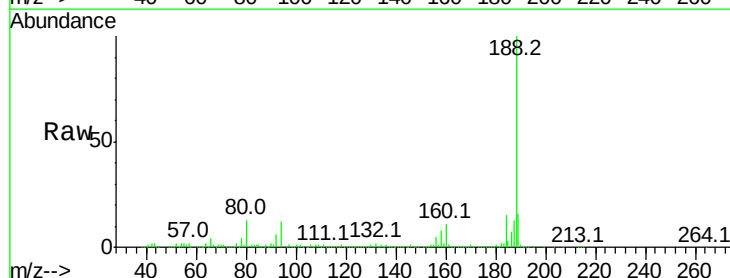
Tgt Ion:188 Resp: 469663

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

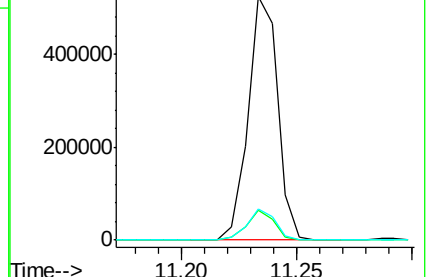
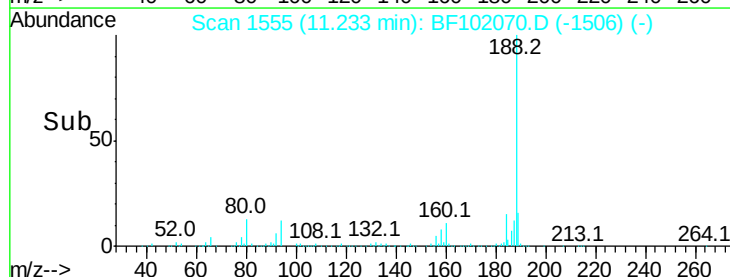
80 12.7 9.2 13.8

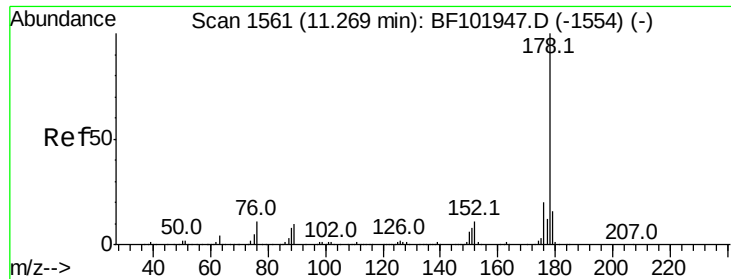


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.021 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

Instrument :

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ClientSampleId :

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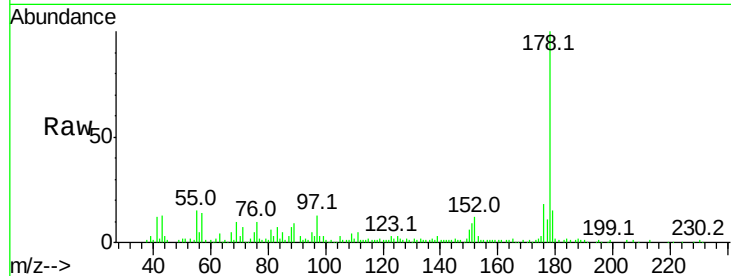
Tot Ion:178 Resp: 55432

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

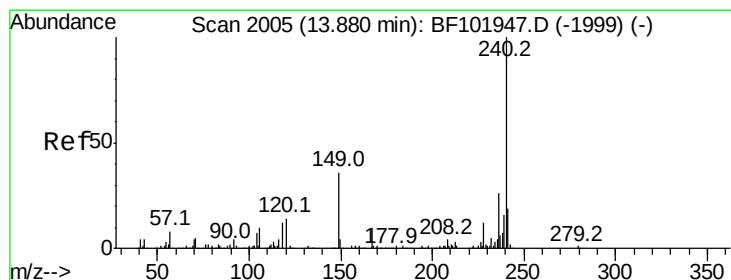
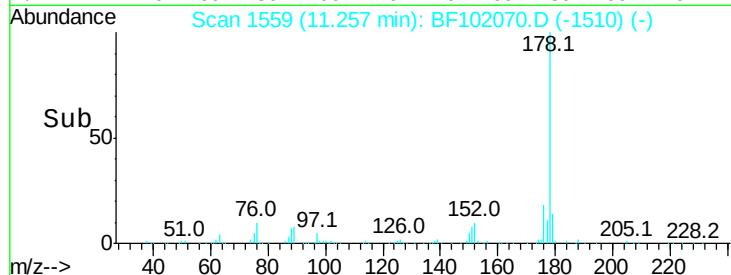
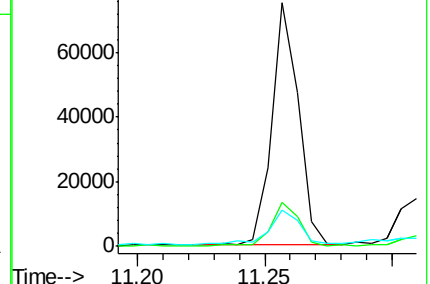
179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

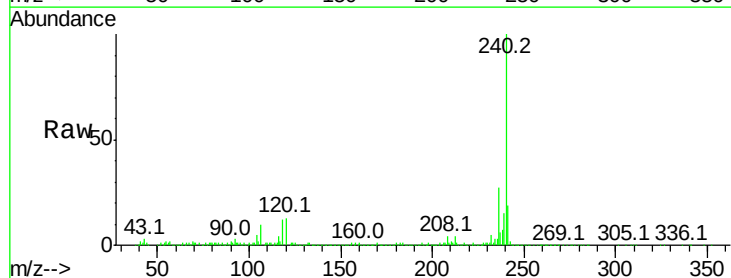
Tgt Ion:240 Resp: 383617

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

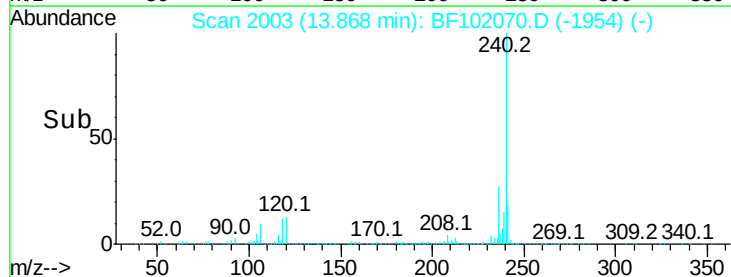
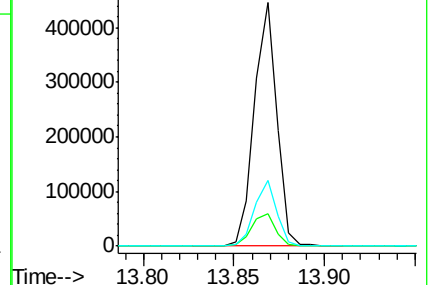
236 26.9 20.7 31.1



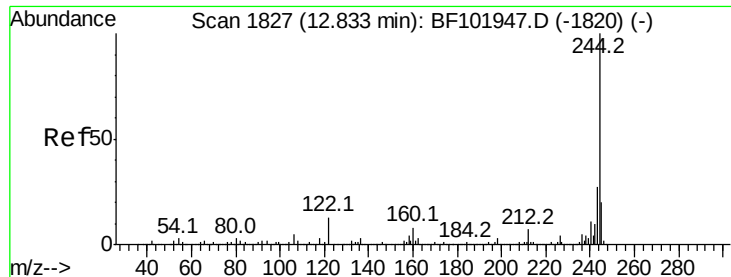
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 45.771 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

Instrument :

BNA\_F

ClientSampleId :

EO-02-011218-A

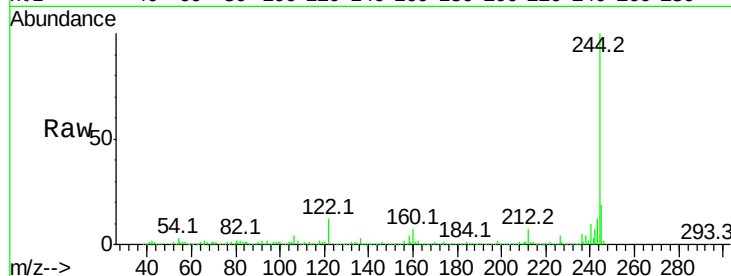
Tot Ion:244 Resp: 845684

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

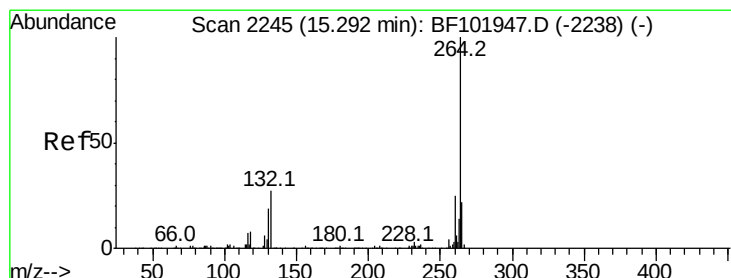
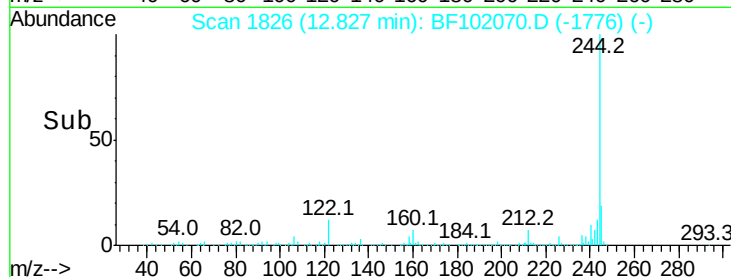
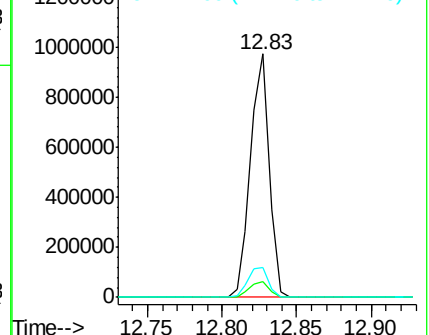
122 12.4 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF102070.D

Acq: 15 Jan 2018 18:40

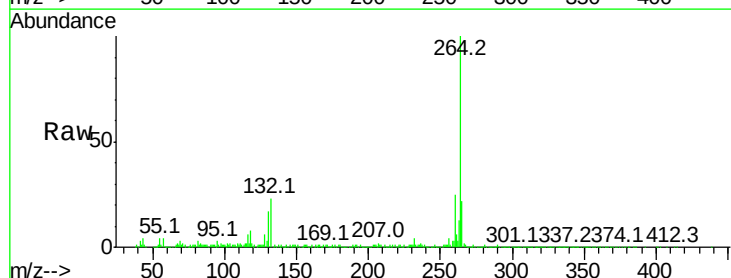
Tgt Ion:264 Resp: 391728

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.3 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

