

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\  
 Data File : BF096816.D  
 Acq On : 17 Jul 2017 13:47  
 Operator : SJ/JU  
 Sample : I4159-08  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GAS-BOTTOM

Quant Time: Jul 17 14:23:05 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 17 13:30:18 2017  
 Response via : Initial Calibration

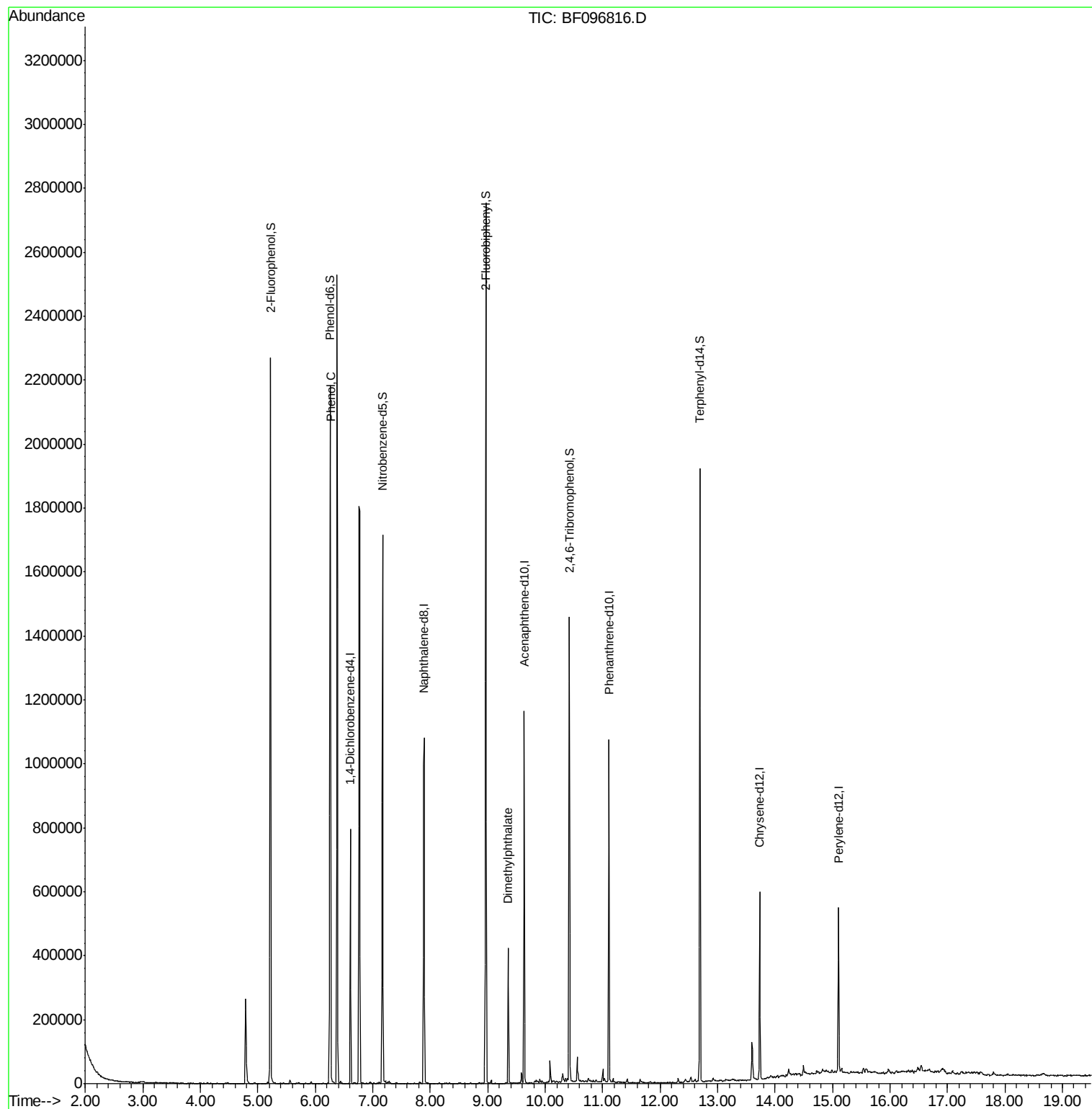
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.61  | 152  | 111238   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.89  | 136  | 508662   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.63  | 164  | 222435   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.11 | 188  | 350262   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.73 | 240  | 196982   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.10 | 264  | 200125   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.22  | 112  | 666641   | 90.11 | ng    | 0.01     |
| 7) Phenol-d6                | 6.26  | 99   | 835381   | 94.10 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.17  | 82   | 547140   | 66.63 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 156034   | 82.18 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.97  | 172  | 922031   | 65.49 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.69 | 244  | 564426   | 49.69 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.27  | 94   | 25546    | 2.545 | ng    | 98       |
| 49) Dimethylphthalate       | 9.36  | 163  | 154737   | 9.239 | ng    | 99       |

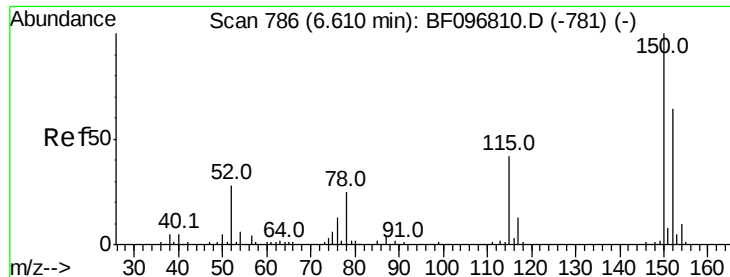
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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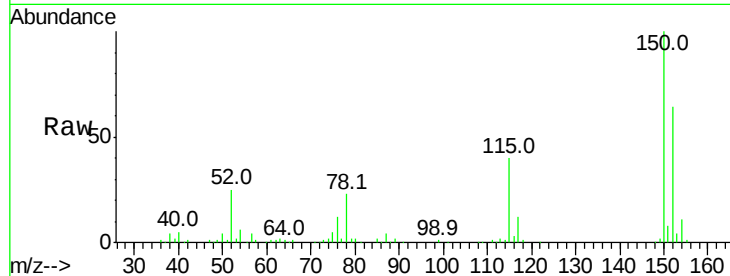


#1

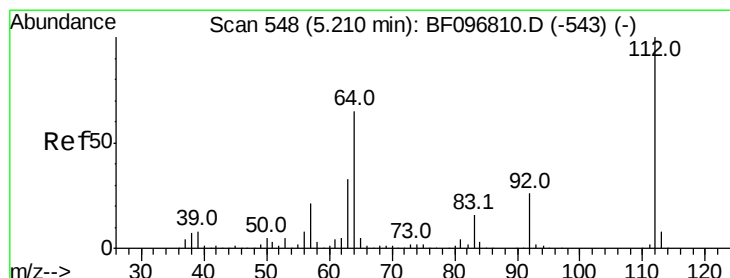
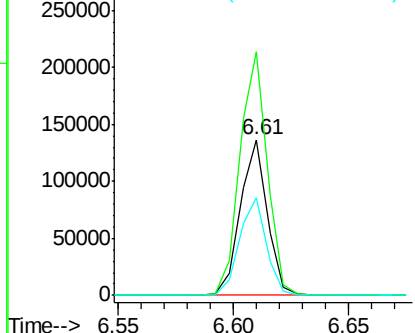
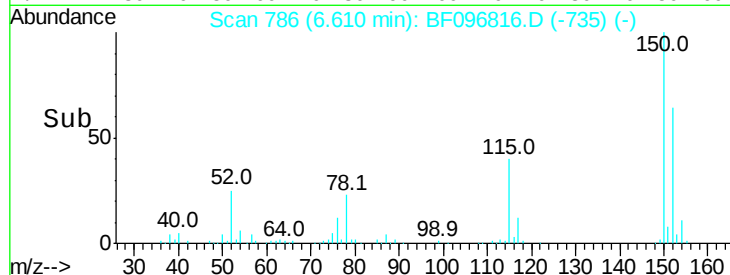
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.61 min Scan# 786  
 Delta R.T. -0.00 min  
 Lab File: BF096816.D  
 Acq: 17 Jul 2017 13:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GAS-BOTTOM

Tot Ion:152 Resp: 111238  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 126.2 189.2  
 115 62.4 52.2 78.2



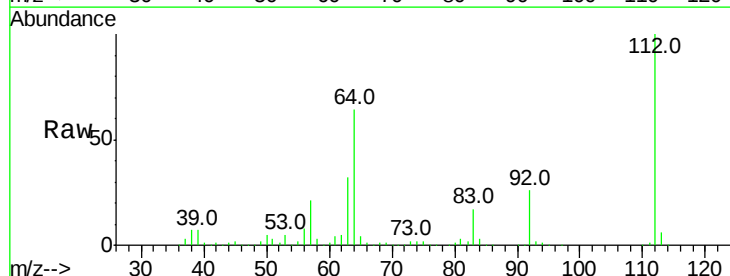
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



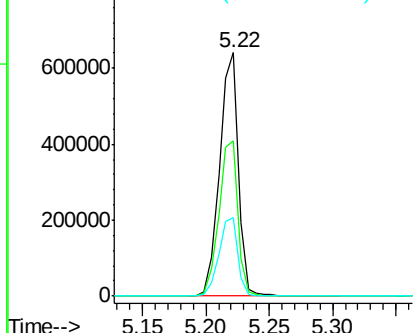
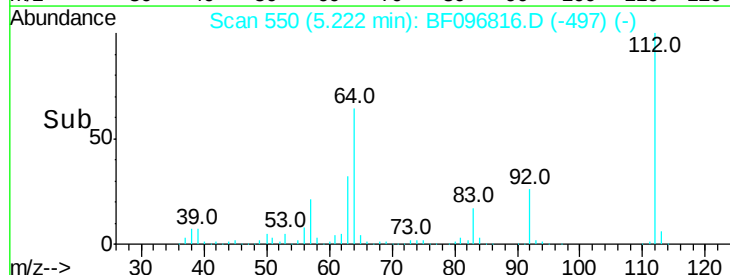
#5

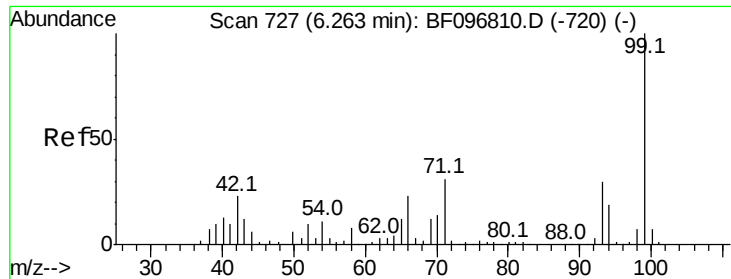
2-Fluorophenol  
 Concen: 90.109 ng  
 RT: 5.22 min Scan# 550  
 Delta R.T. 0.01 min  
 Lab File: BF096816.D  
 Acq: 17 Jul 2017 13:47

Tgt Ion:112 Resp: 666641  
 Ion Ratio Lower Upper  
 112 100  
 64 63.7 46.0 69.0  
 63 32.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.095 ng

RT: 6.26 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF096816.D

Acq: 17 Jul 2017 13:47

Instrument :

BNA\_F

ClientSampleId :

GAS-BOTTOM

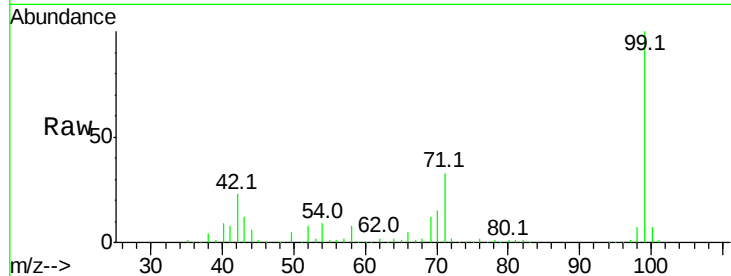
Tot Ion: 99 Resp: 835381

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

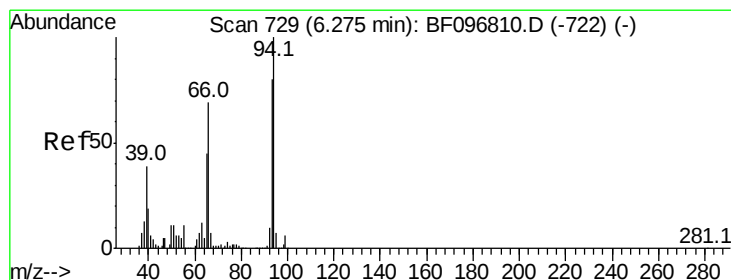
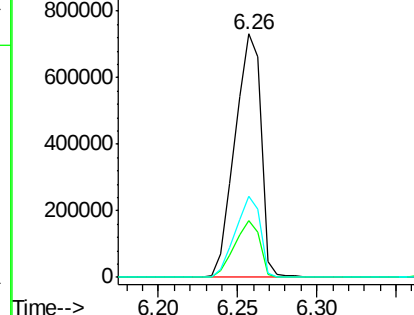
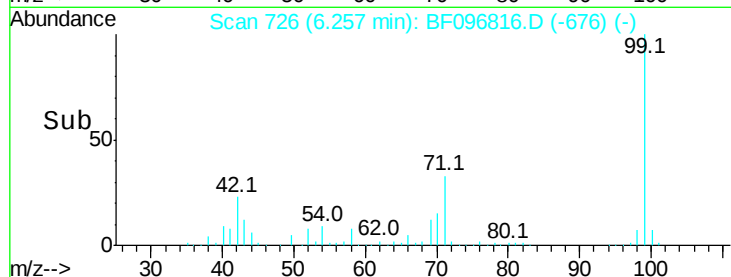
71 33.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.545 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096816.D

Acq: 17 Jul 2017 13:47

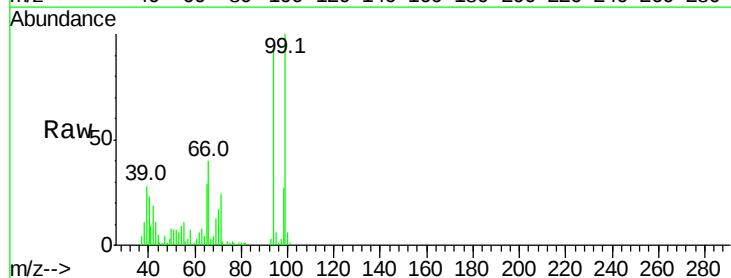
Tgt Ion: 94 Resp: 25546

Ion Ratio Lower Upper

94 100

65 31.5 9.9 49.9

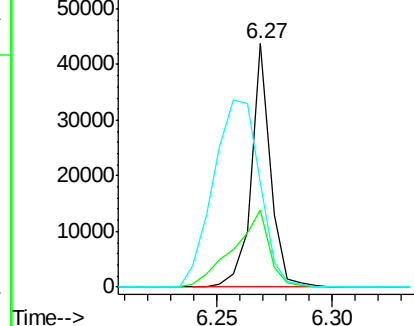
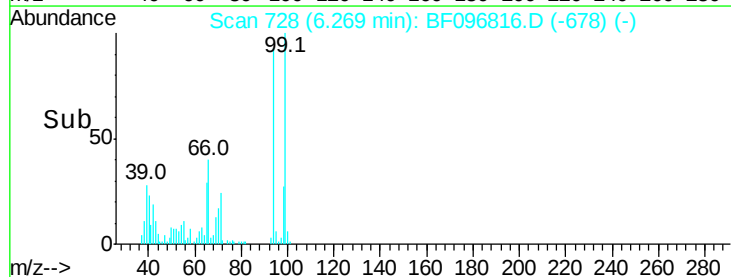
66 42.6 23.1 63.1

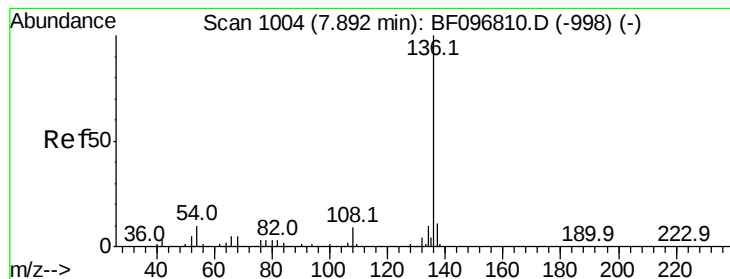


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF096816.D

Acq: 17 Jul 2017 13:47

Instrument :

BNA\_F

ClientSampleId :

GAS-BOTTOM

Tot Ion:136 Resp: 508662

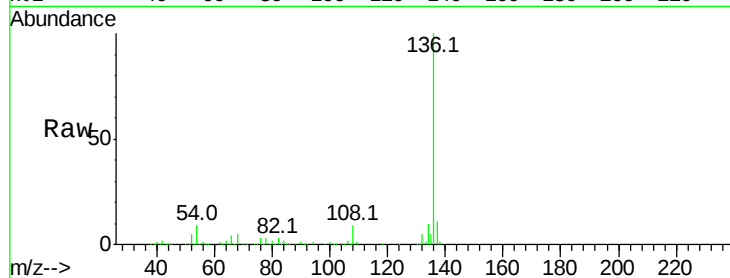
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.3 4.9 7.3#

68 4.6 4.1 6.1

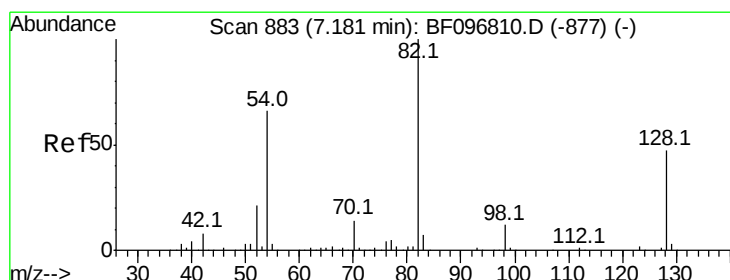
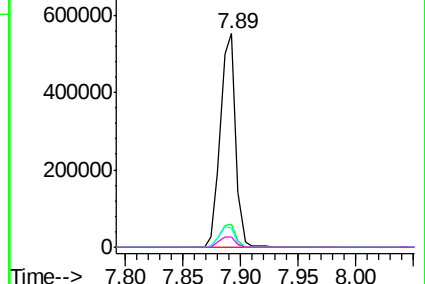
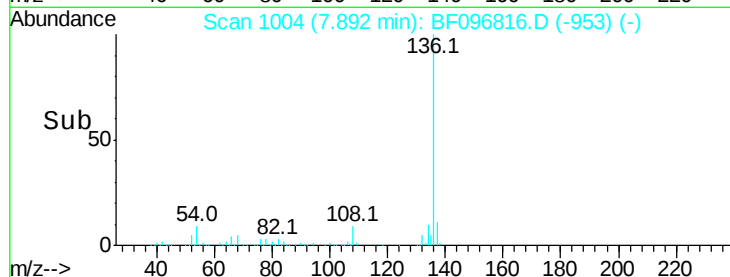


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 66.626 ng

RT: 7.17 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF096816.D

Acq: 17 Jul 2017 13:47

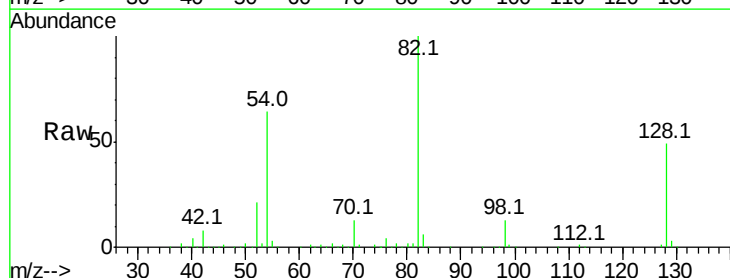
Tgt Ion: 82 Resp: 547140

Ion Ratio Lower Upper

82 100

128 48.9 34.0 51.0

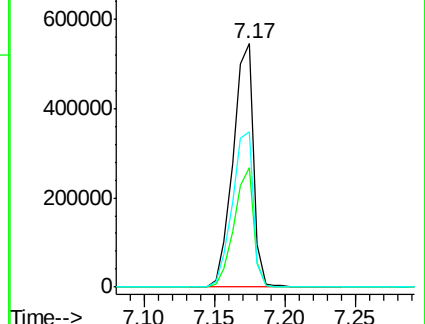
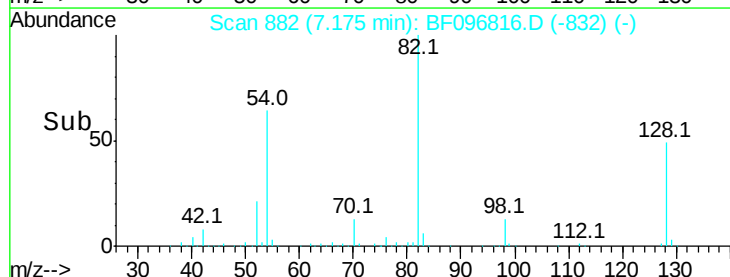
54 64.0 42.2 63.2#

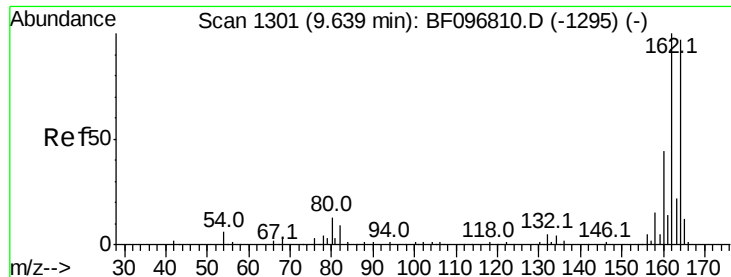


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

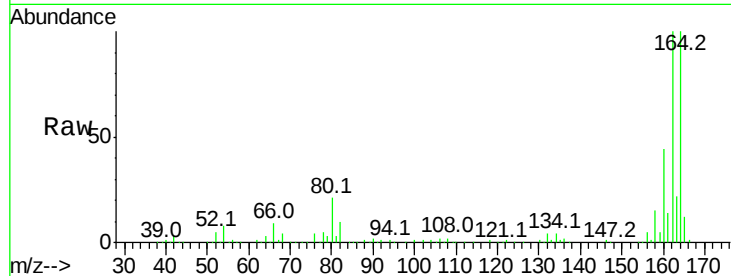




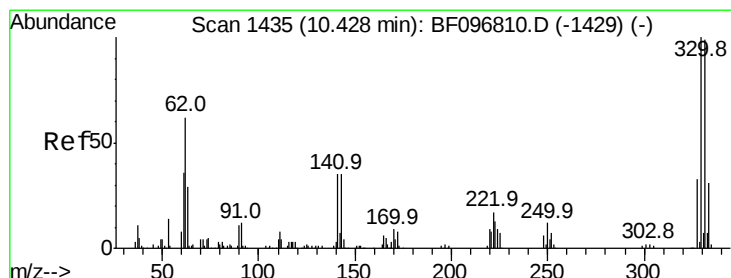
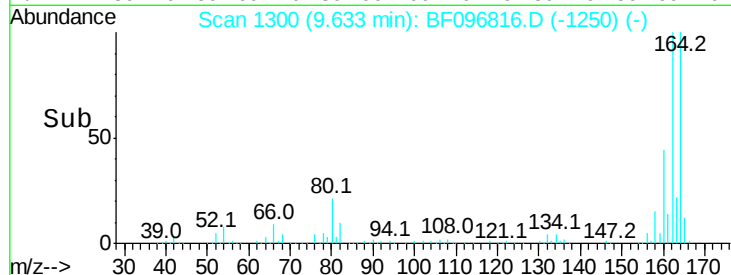
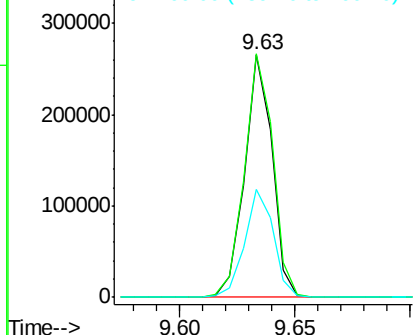
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.63 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BF096816.D  
 Acq: 17 Jul 2017 13:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GAS-BOTTOM

Tot Ion:164 Resp: 222435  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 82.6 123.8  
 160 44.4 36.2 54.2

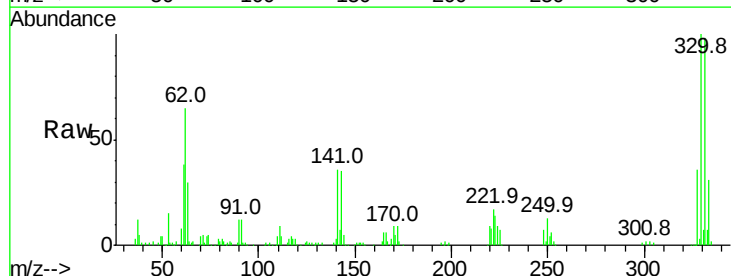


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

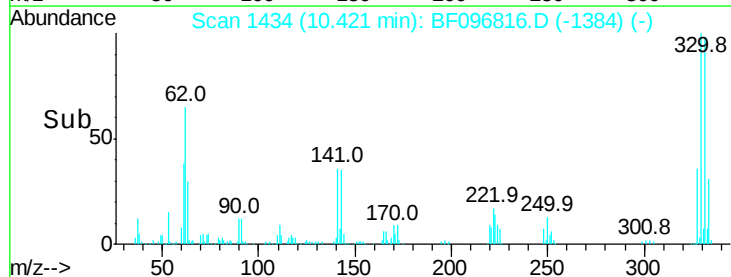
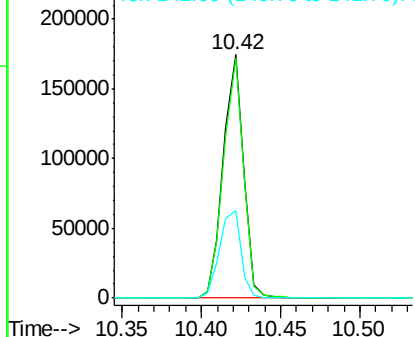


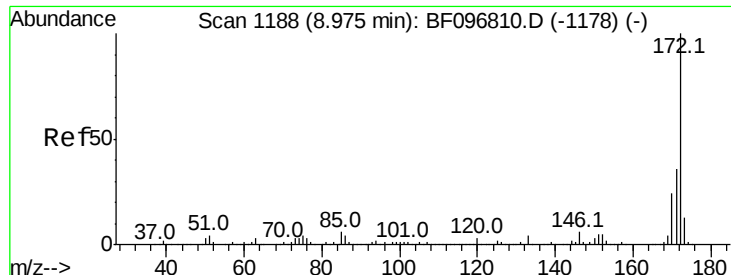
#41  
 2,4,6-Tribromophenol  
 Concen: 82.181 ng  
 RT: 10.42 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF096816.D  
 Acq: 17 Jul 2017 13:47

Tgt Ion:330 Resp: 156034  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 115.0  
 141 37.8 31.4 47.2



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

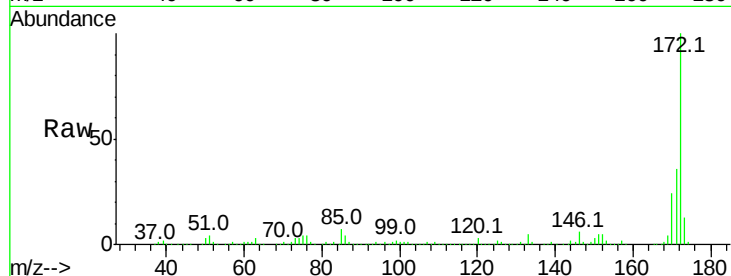




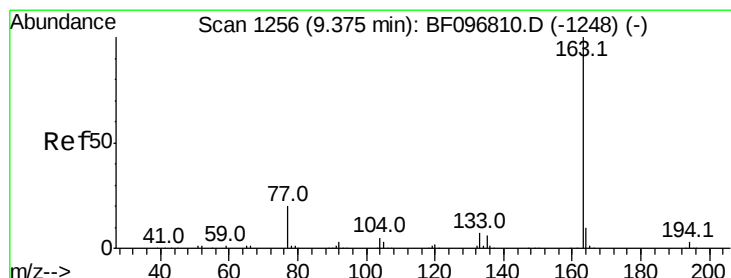
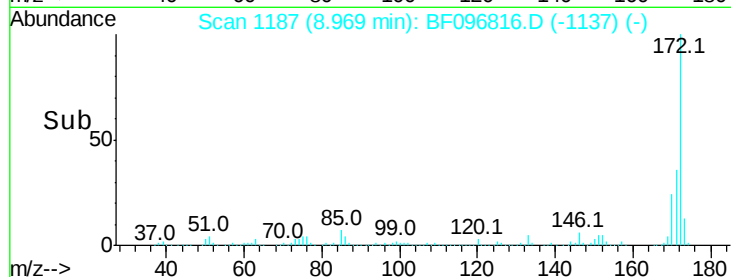
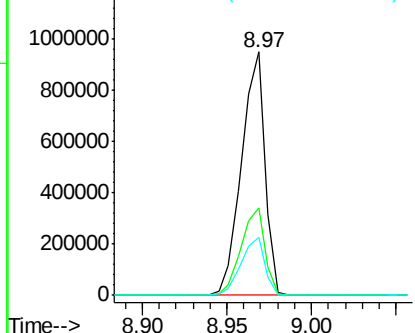
#44  
2-Fluorobiphenyl  
Concen: 65.490 ng  
RT: 8.97 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BF096816.D  
Acq: 17 Jul 2017 13:47

Instrument :  
BNA\_F  
ClientSampleId :  
GAS-BOTTOM

Tot Ion:172 Resp: 922031  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.6 44.4  
170 23.8 19.8 29.8

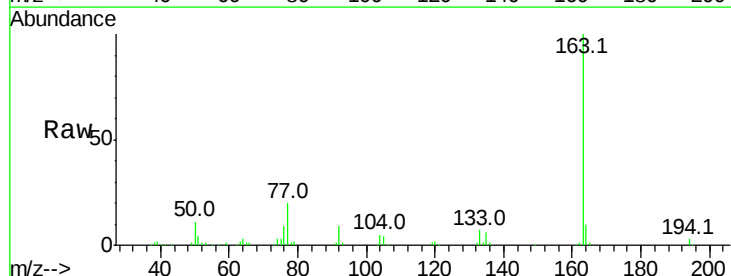


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

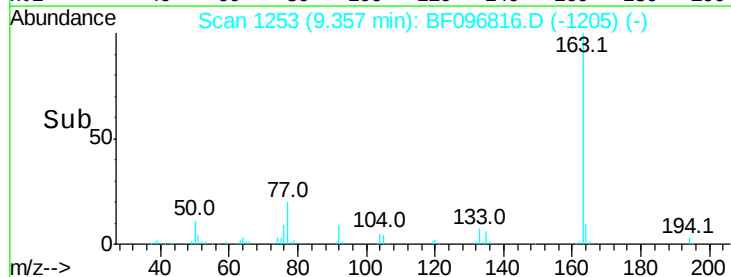
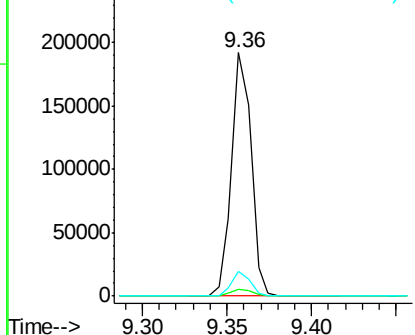


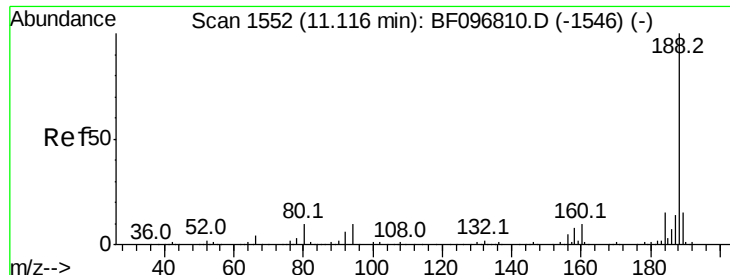
#49  
Dimethylphthalate  
Concen: 9.239 ng  
RT: 9.36 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF096816.D  
Acq: 17 Jul 2017 13:47

Tgt Ion:163 Resp: 154737  
Ion Ratio Lower Upper  
163 100  
194 2.7 2.6 4.0  
164 10.3 8.4 12.6



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

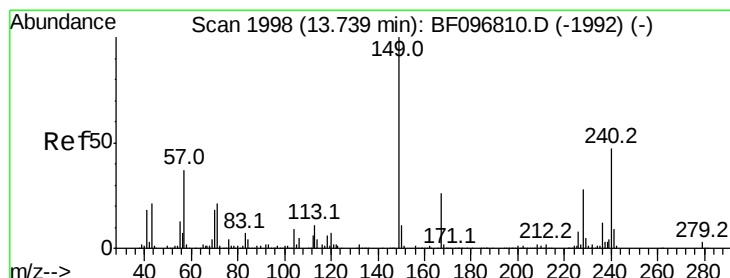
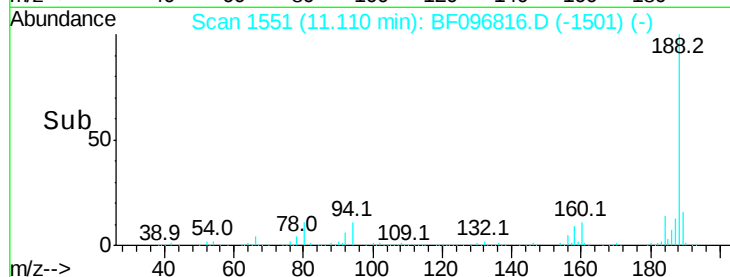
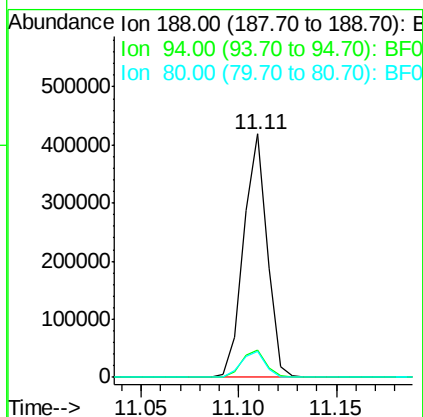
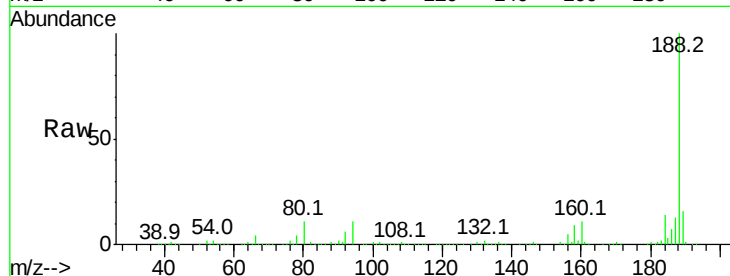




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF096816.D  
Acq: 17 Jul 2017 13:47

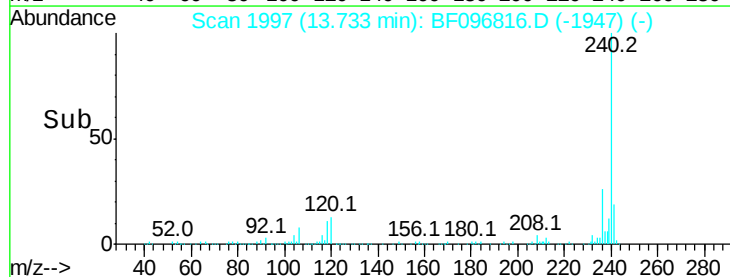
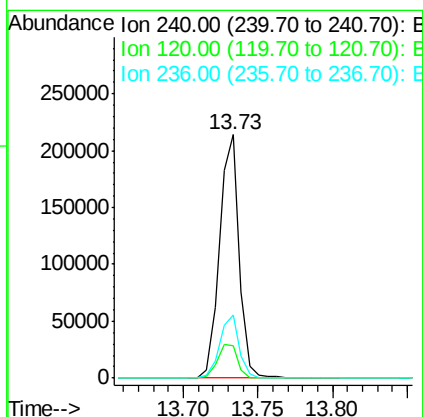
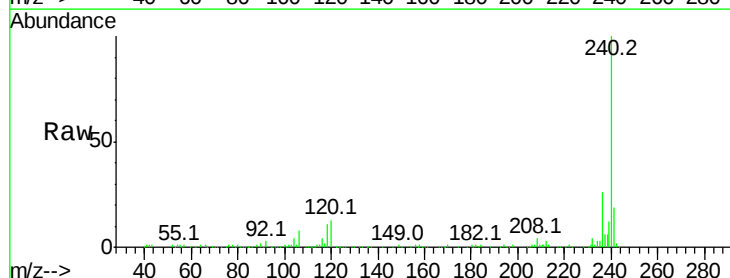
Instrument :  
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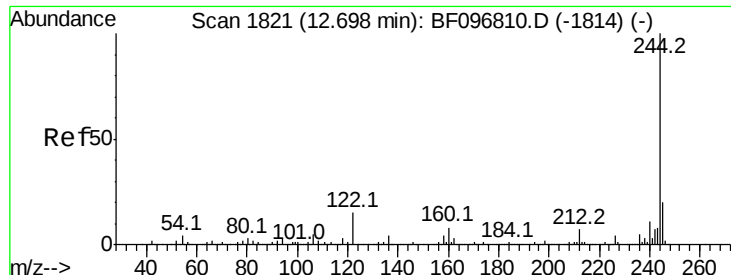
Tot Ion:188 Resp: 350262  
Ion Ratio Lower Upper  
188 100  
94 11.0 9.4 14.2  
80 10.7 10.2 15.2



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.73 min Scan# 1997  
Delta R.T. -0.01 min  
Lab File: BF096816.D  
Acq: 17 Jul 2017 13:47

Tgt Ion:240 Resp: 196982  
Ion Ratio Lower Upper  
240 100  
120 13.2 5.8 8.8#  
236 26.1 20.5 30.7





#78

Terphenyl-d14

Concen: 49.693 ng

RT: 12.69 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF096816.D

Acq: 17 Jul 2017 13:47

Instrument :

BNA\_F

ClientSampleId :

GAS-BOTTOM

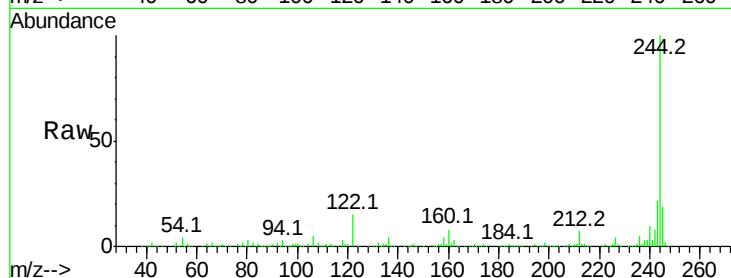
Tot Ion:244 Resp: 564426

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

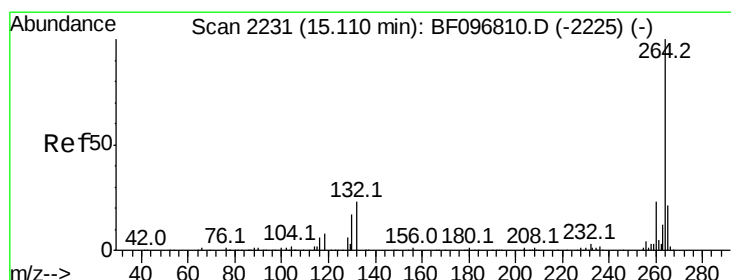
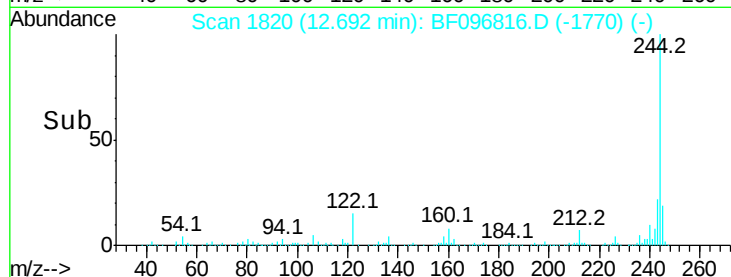
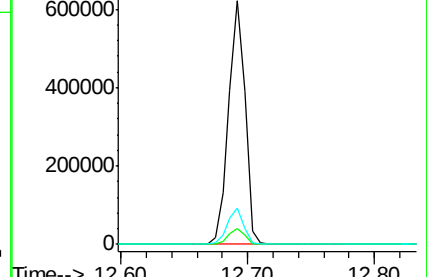
122 14.8 10.3 15.5



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: 15.10 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF096816.D

Acq: 17 Jul 2017 13:47

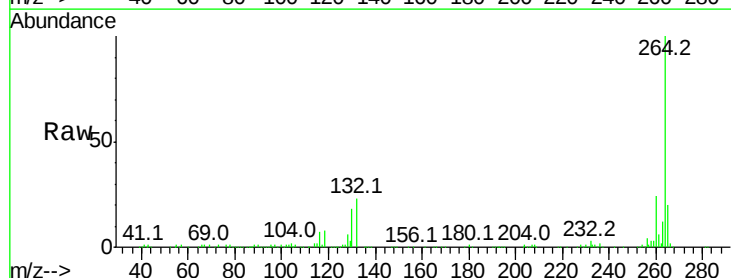
Tgt Ion:264 Resp: 200125

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 19.9 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

