

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\  
 Data File : BF101241.D  
 Acq On : 8 Dec 2017 17:44  
 Operator : SJ/JU  
 Sample : I6680-09 10X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-120617-E

Quant Time: Dec 08 18:36:12 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 42685    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 169563   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 75236    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.35 | 188  | 127670   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.00 | 240  | 108370   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.47 | 264  | 94092    | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 22489    | 8.71  | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 27970    | 8.92  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 15672    | 5.51  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 6225     | 6.89  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 37318    | 6.79  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 31238    | 6.30  | ng    | 0.00     |

Target Compounds Qvalue

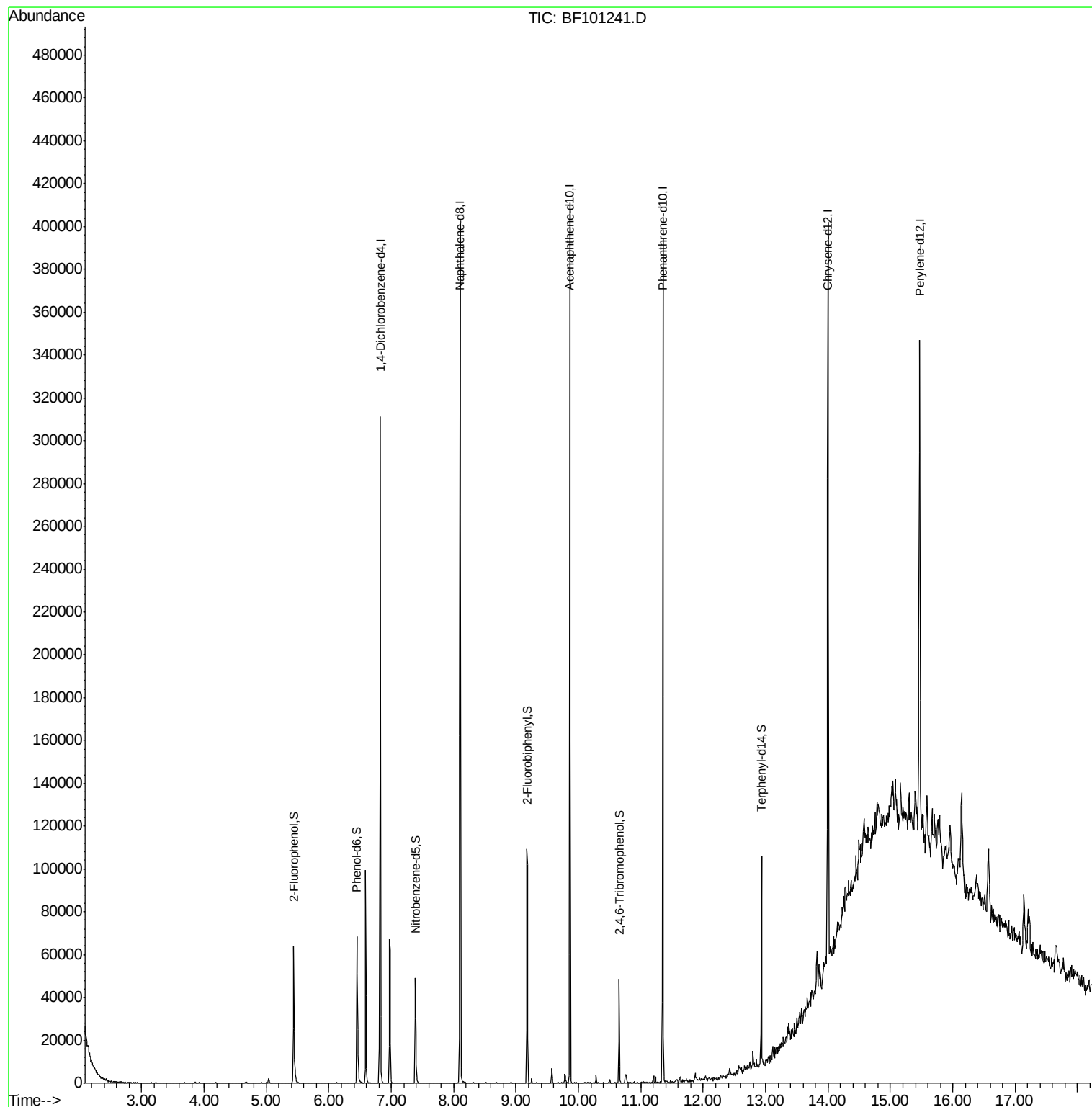
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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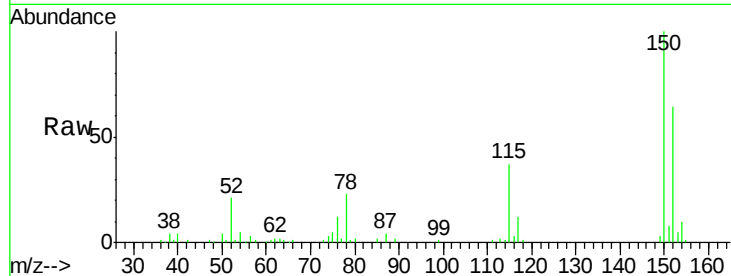


#1

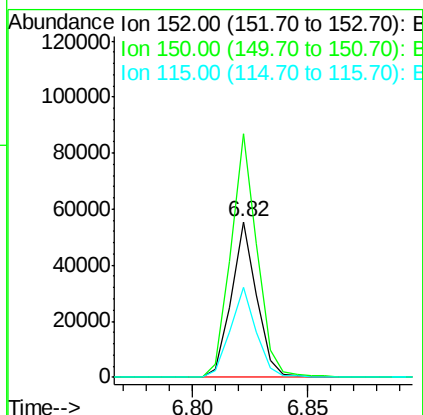
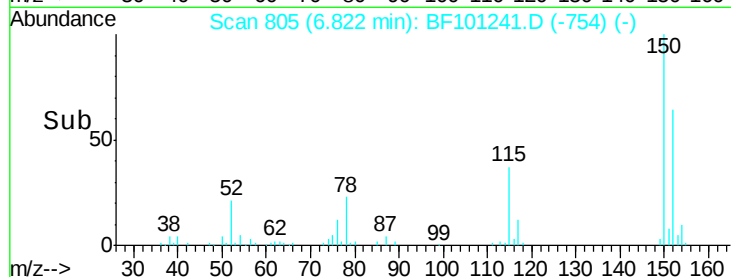
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: BF101241.D  
Acq: 8 Dec 2017 17:44

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-120617-E

Tot Ion:152 Resp: 42685  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.6 186.8  
115 57.7 50.1 75.1



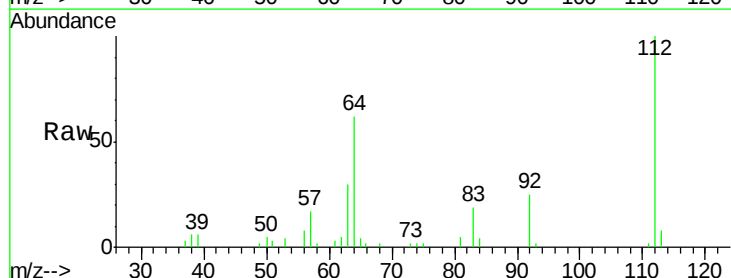
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



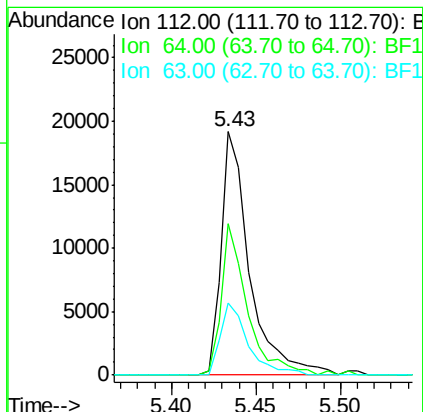
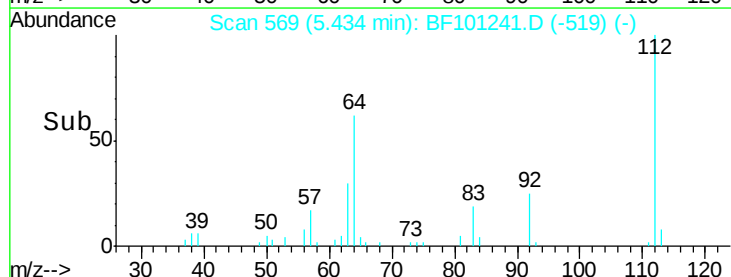
#5

2-Fluorophenol  
Concen: 8.706 ng  
RT: 5.43 min Scan# 569  
Delta R.T. -0.01 min  
Lab File: BF101241.D  
Acq: 8 Dec 2017 17:44

Tgt Ion:112 Resp: 22489  
Ion Ratio Lower Upper  
112 100  
64 62.2 47.9 71.9  
63 29.6 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: 8.918 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101241.D

Acq: 8 Dec 2017 17:44

Instrument :

BNA\_F

ClientSampleId :

CL-01-120617-E

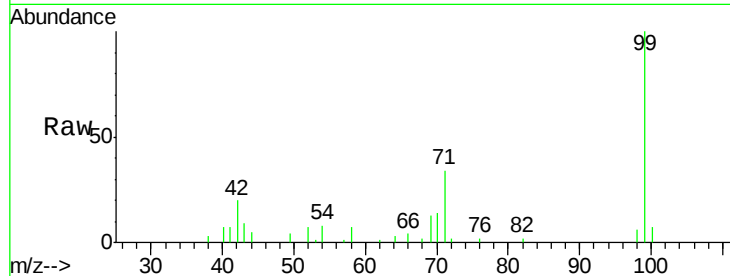
Tot Ion: 99 Resp: 27970

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

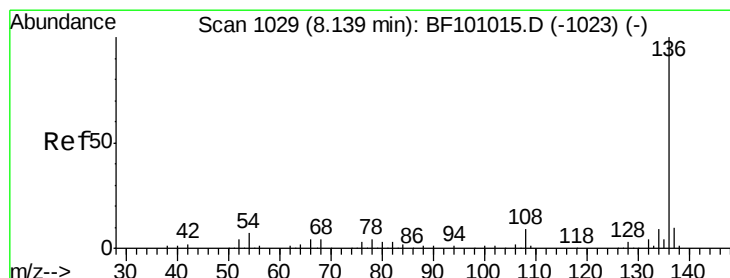
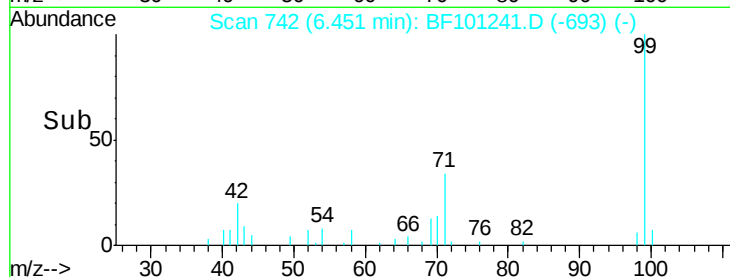
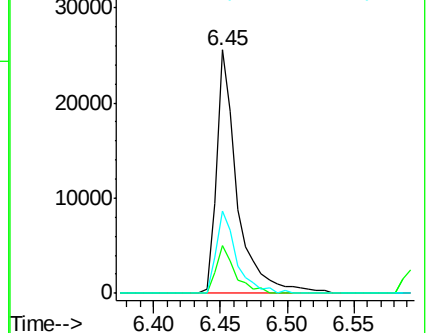
71 33.6 25.4 38.0



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: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101241.D

Acq: 8 Dec 2017 17:44

Tgt Ion: 136 Resp: 169563

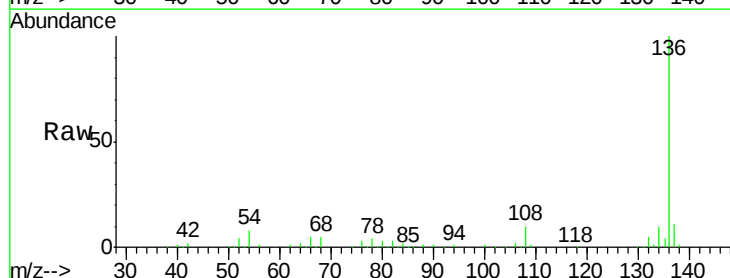
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.2 6.6 9.8

68 4.9 5.0 7.4#

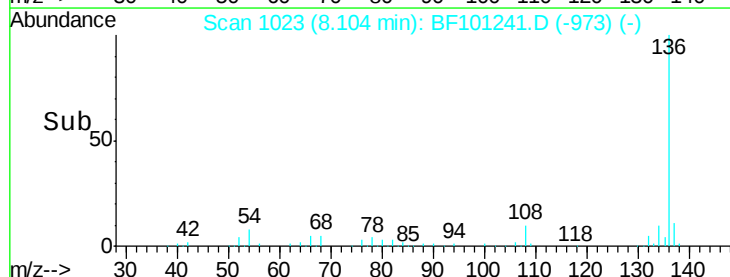
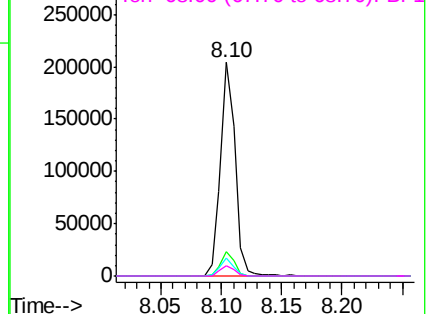


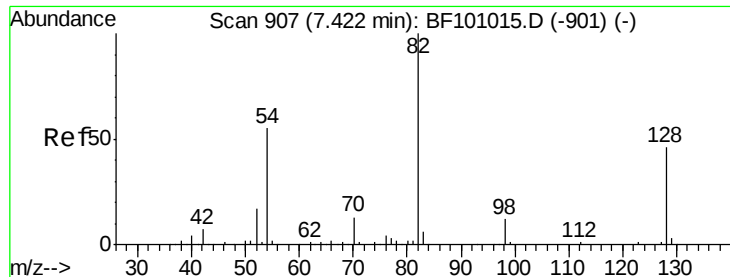
Abundance Ion 136.00 (135.70 to 136.70): E

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

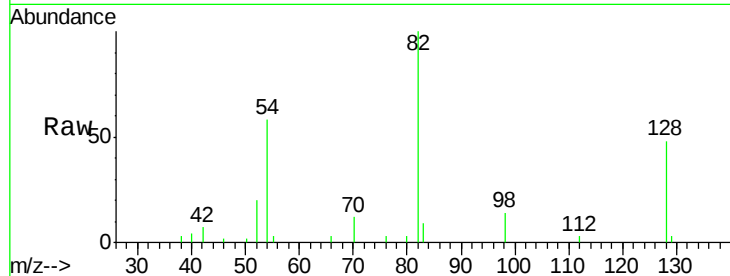




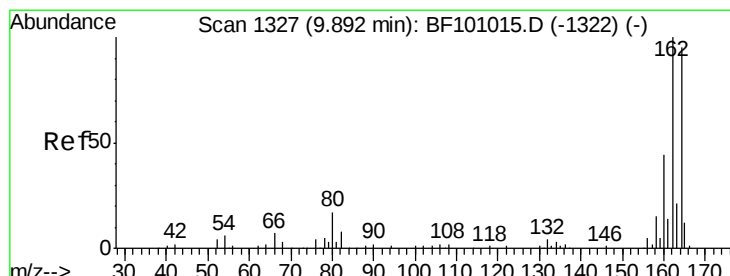
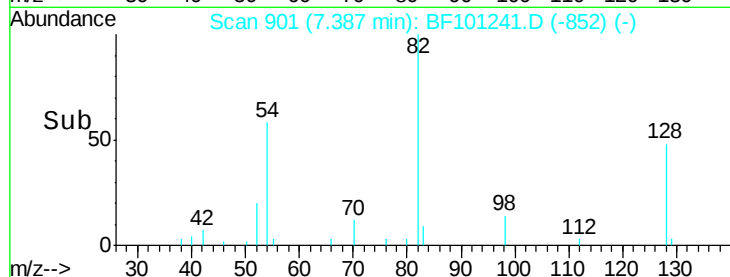
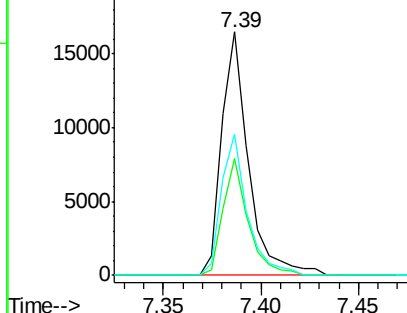
#23  
 Nitrobenzene-d5  
 Concen: 5.513 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: BF101241.D  
 Acq: 8 Dec 2017 17:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-120617-E

Tot Ion: 82 Resp: 15672  
 Ion Ratio Lower Upper  
 82 100  
 128 48.2 36.1 54.1  
 54 58.2 41.4 62.2

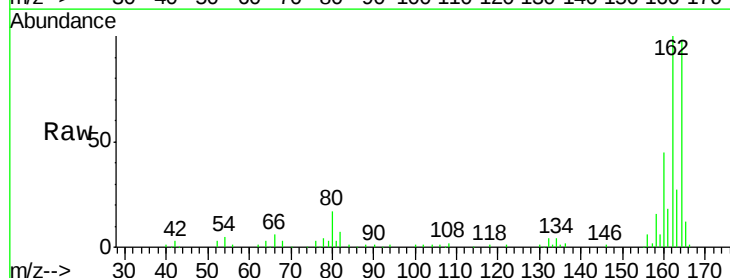


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

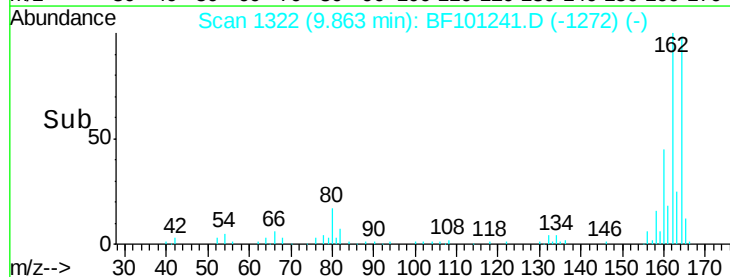
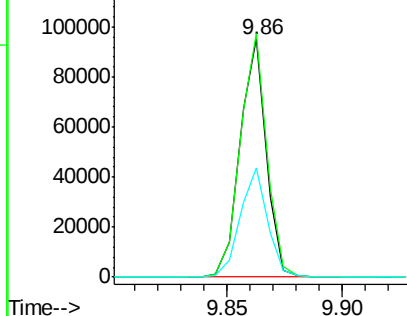


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. -0.01 min  
 Lab File: BF101241.D  
 Acq: 8 Dec 2017 17:44

Tgt Ion: 164 Resp: 75236  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 86.1 129.1  
 160 45.6 38.3 57.5



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: 6.888 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF101241.D

Acq: 8 Dec 2017 17:44

Instrument :

BNA\_F

ClientSampleId :

CL-01-120617-E

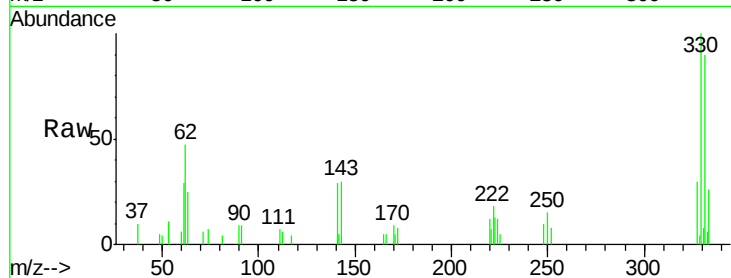
Tot Ion:330 Resp: 6225

Ion Ratio Lower Upper

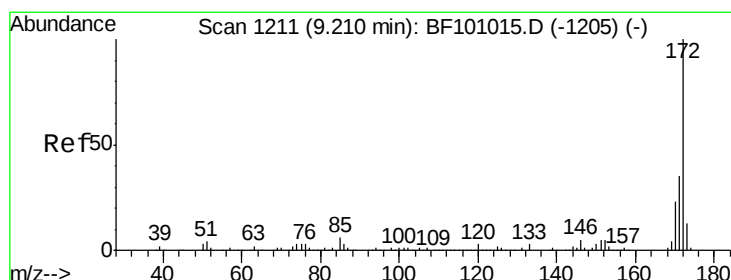
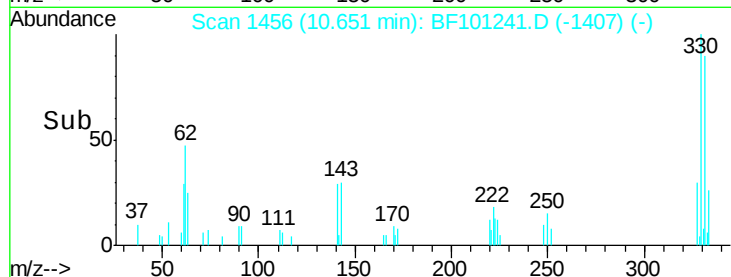
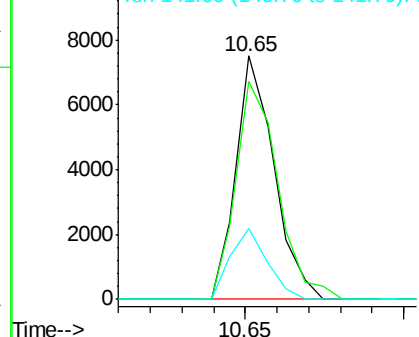
330 100

332 99.1 77.0 115.6

141 28.1 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: 6.786 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF101241.D

Acq: 8 Dec 2017 17:44

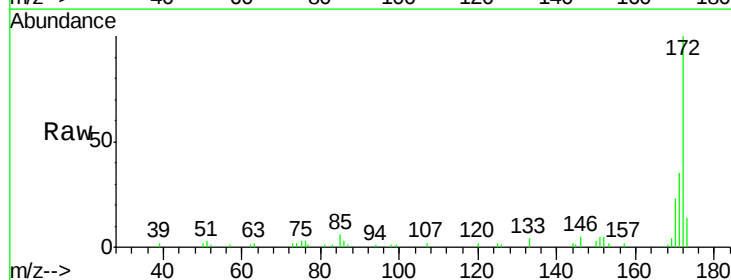
Tgt Ion:172 Resp: 37318

Ion Ratio Lower Upper

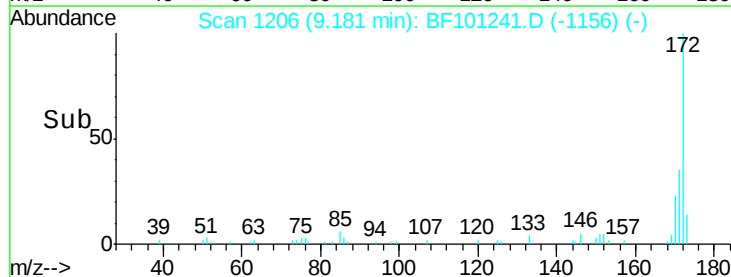
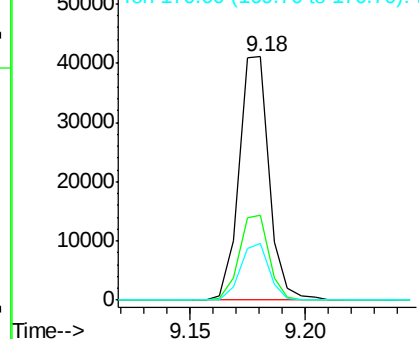
172 100

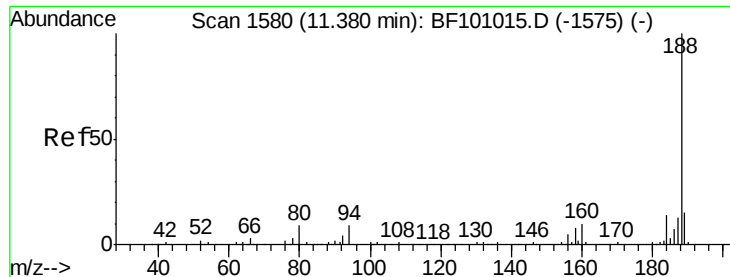
171 34.7 29.7 44.5

170 23.1 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

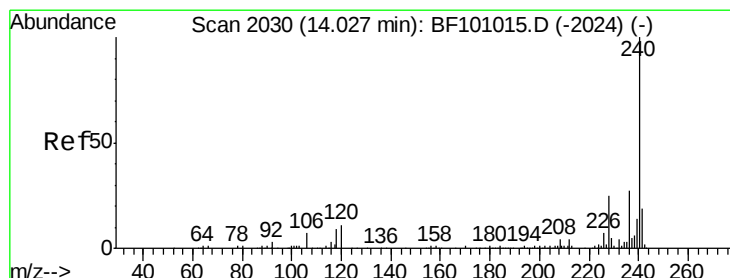
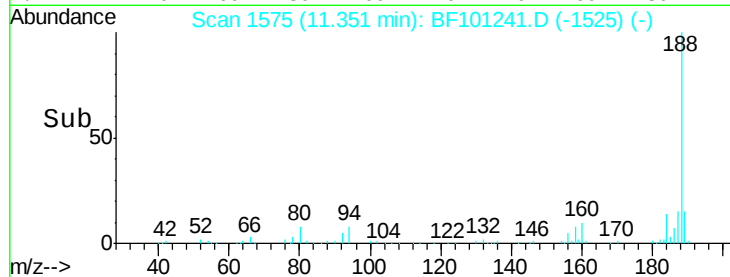
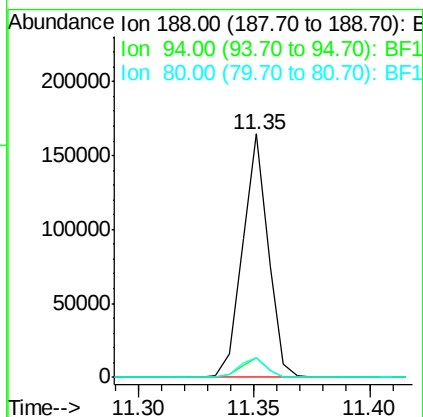
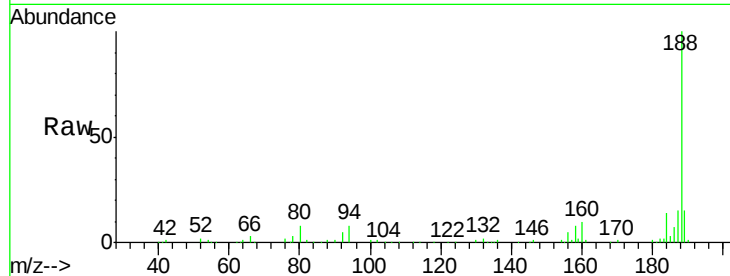




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BF101241.D  
Acq: 8 Dec 2017 17:44

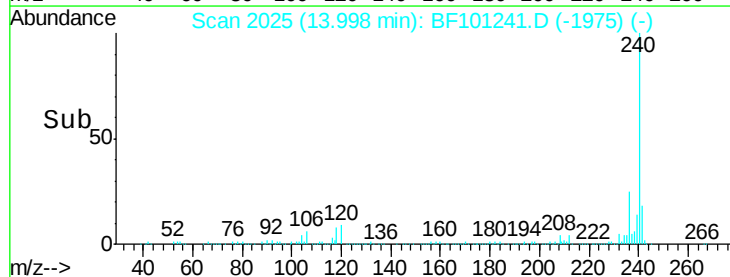
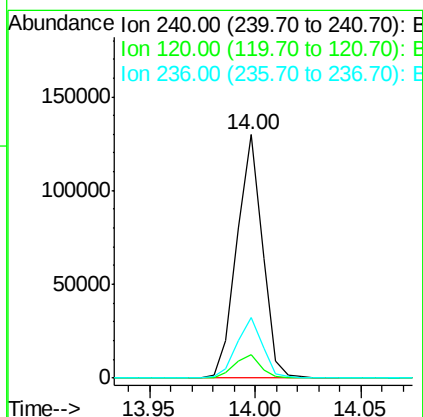
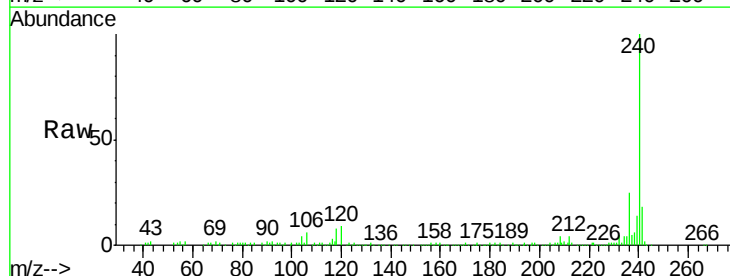
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-120617-E

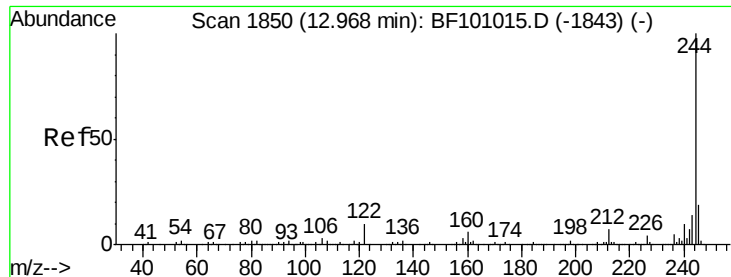
Tot Ion:188 Resp: 127670  
Ion Ratio Lower Upper  
188 100  
94 7.9 8.5 12.7#  
80 7.9 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF101241.D  
Acq: 8 Dec 2017 17:44

Tgt Ion:240 Resp: 108370  
Ion Ratio Lower Upper  
240 100  
120 9.4 9.5 14.3#  
236 24.8 20.7 31.1

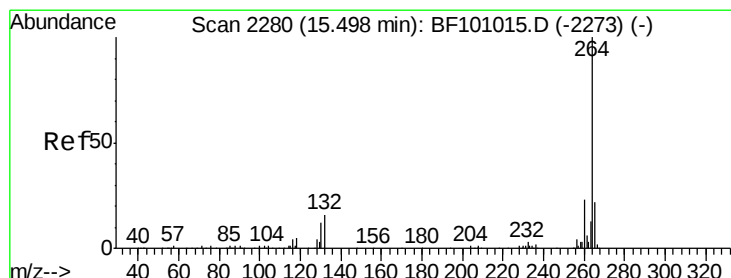
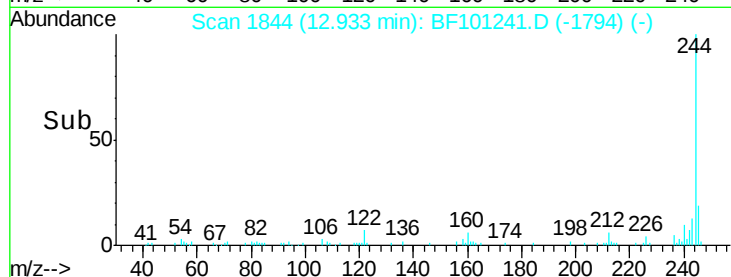
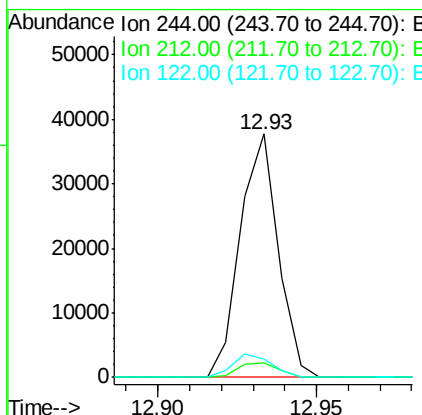
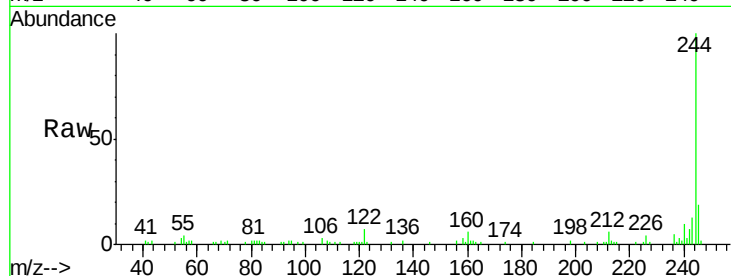




#78  
 Terphenyl-d14  
 Concen: 6.305 ng  
 RT: 12.93 min Scan# 1844  
 Delta R.T. -0.01 min  
 Lab File: BF101241.D  
 Acq: 8 Dec 2017 17:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tot Ion:244 Resp: 31238  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.4 8.0  
 122 7.4 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. 0.00 min  
 Lab File: BF101241.D  
 Acq: 8 Dec 2017 17:44

Tgt Ion:264 Resp: 94092  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 21.2 17.5 26.3

