

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\  
 Data File : BF107016.D  
 Acq On : 30 Jun 2018 15:56  
 Operator : JU/SJ  
 Sample : J3629-07 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A0C10-02

Quant Time: Jul 02 11:21:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 58268    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 208587   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 87513    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 176936   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.14 | 240  | 206070   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.69 | 264  | 137604   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 6467     | 1.88  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 7704     | 1.79  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 4271     | 1.14  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 1805     | 1.78  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 0.00  | 172  | 0d       | 0.00  | ng    |          |
| 78) Terphenyl-d14           | 13.07 | 244  | 15277    | 1.80  | ng    | -0.02    |

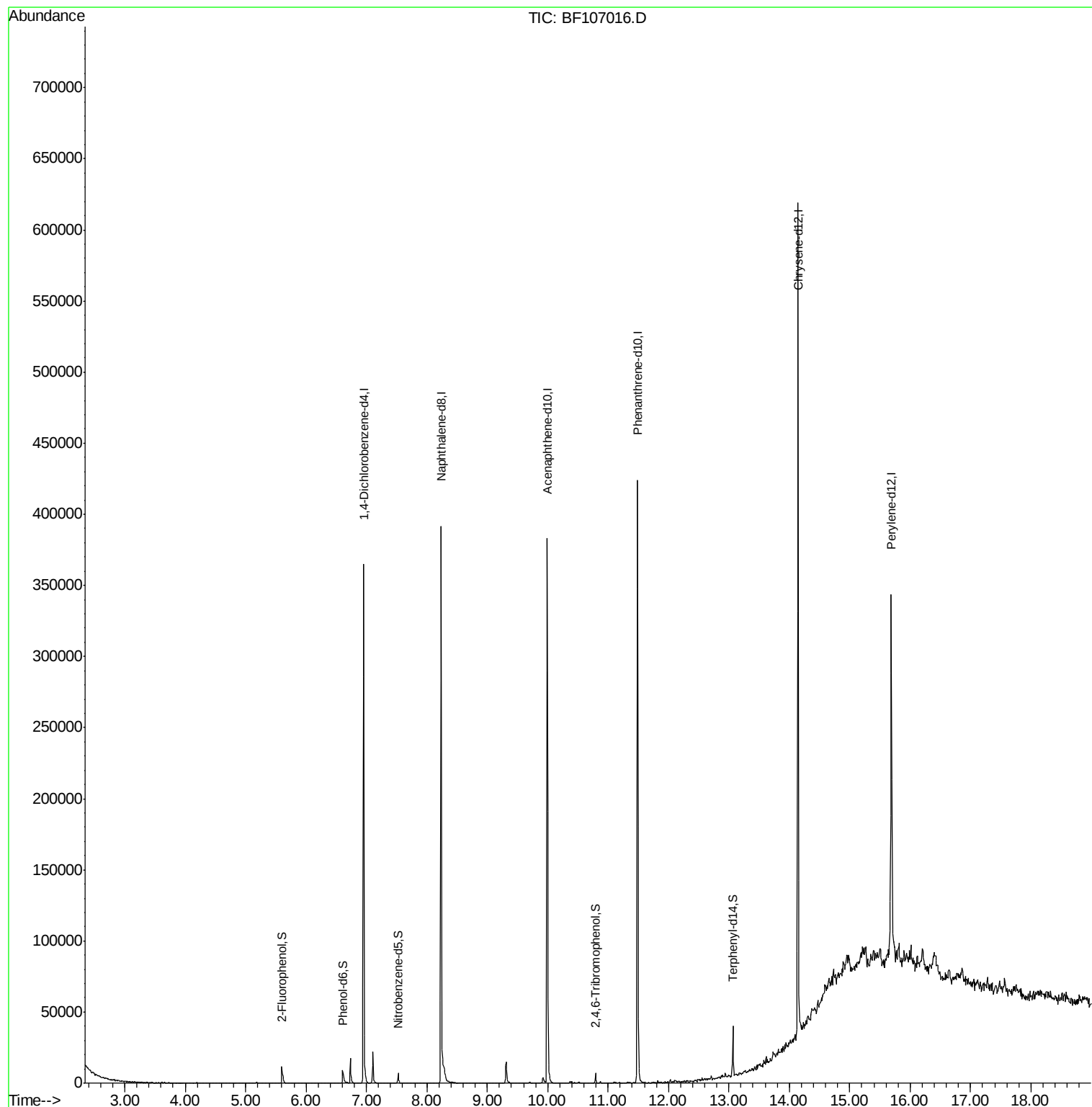
Target Compounds Qvalue

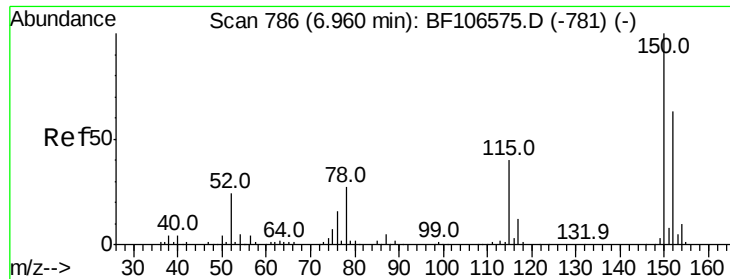
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 29 14:38:29 2018  
Response via : Initial Calibration



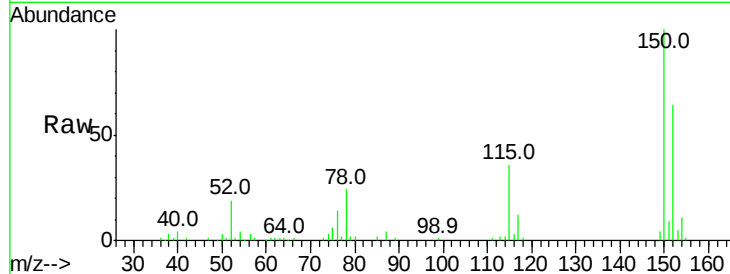


#1

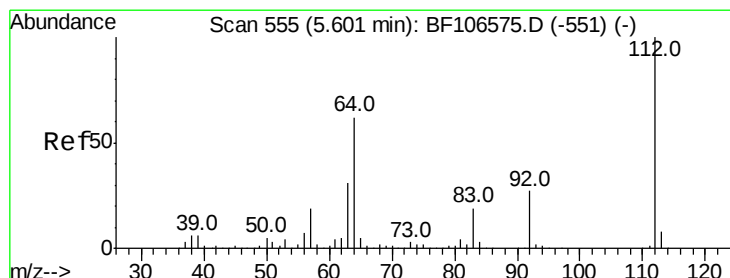
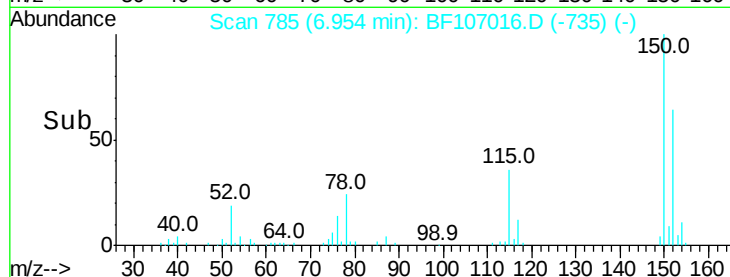
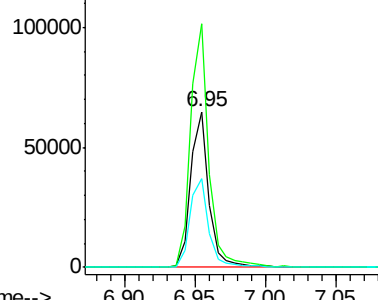
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107016.D  
Acq: 30 Jun 2018 15:56

Instrument :  
BNA\_F  
ClientSampleId :  
A0C10-02

Tot Ion:152 Resp: 58268  
Ion Ratio Lower Upper  
152 100  
150 156.5 124.6 186.8  
115 56.7 50.1 75.1



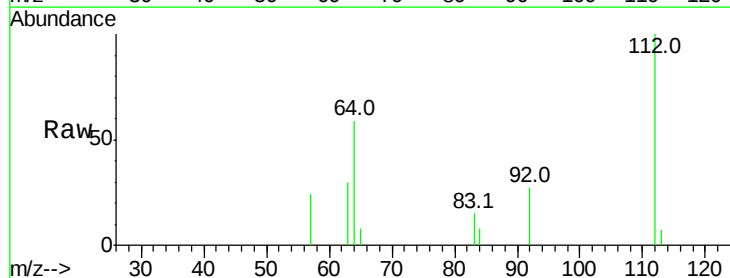
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



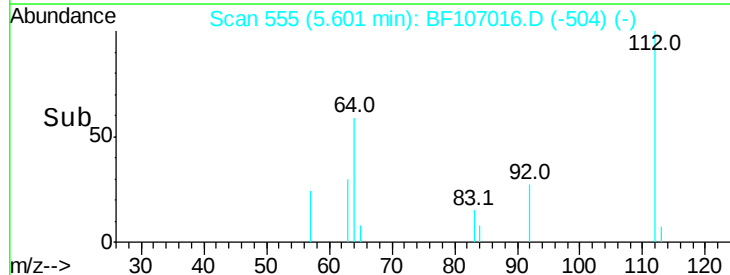
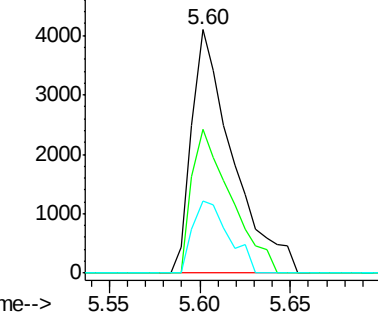
#5

2-Fluorophenol  
Concen: 1.879 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF107016.D  
Acq: 30 Jun 2018 15:56

Tgt Ion:112 Resp: 6467  
Ion Ratio Lower Upper  
112 100  
64 59.1 47.9 71.9  
63 29.9 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: 1.793 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107016.D

Acq: 30 Jun 2018 15:56

Instrument :

BNA\_F

ClientSampleId :

A0C10-02

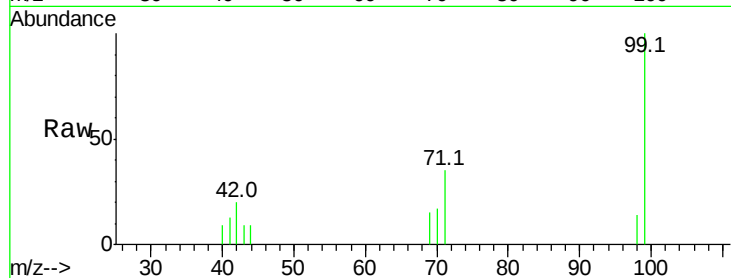
Tot Ion: 99 Resp: 7704

Ion Ratio Lower Upper

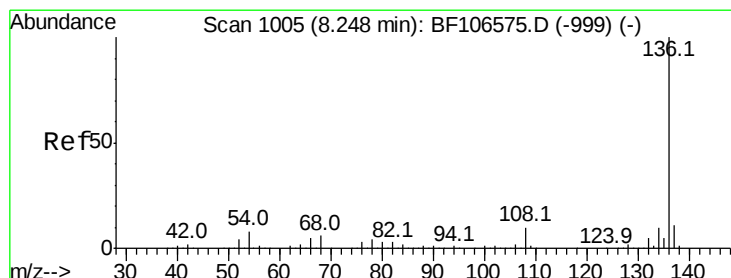
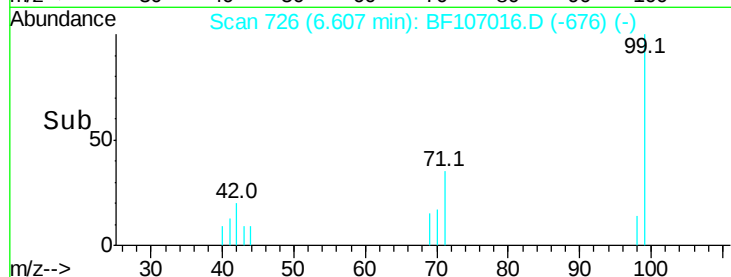
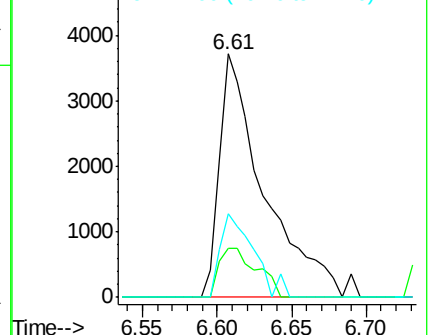
99 100

42 20.4 14.5 21.7

71 34.5 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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107016.D

Acq: 30 Jun 2018 15:56

Tgt Ion: 136 Resp: 208587

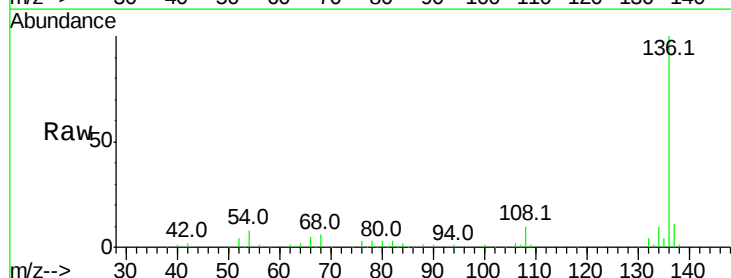
Ion Ratio Lower Upper

136 100

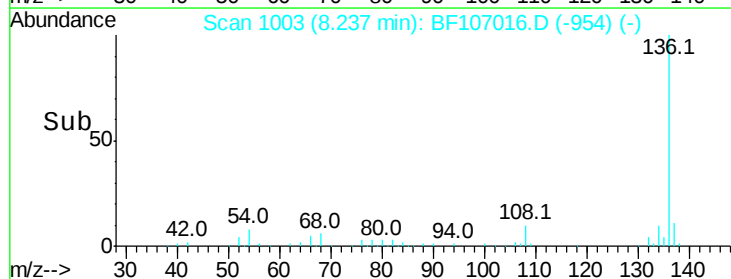
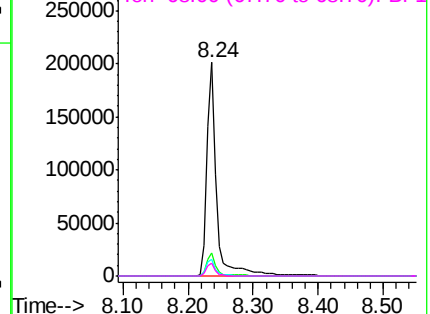
137 10.7 8.9 13.3

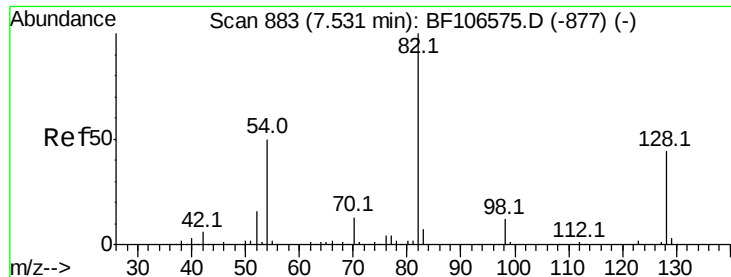
54 7.6 6.6 9.8

68 5.9 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

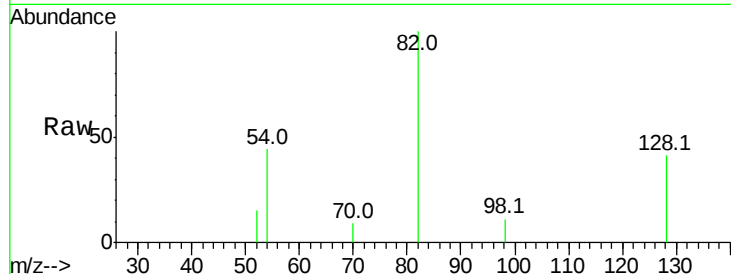




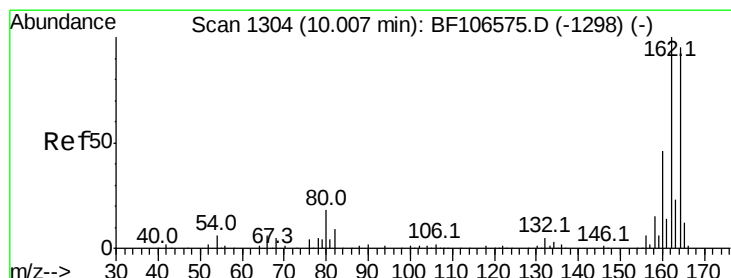
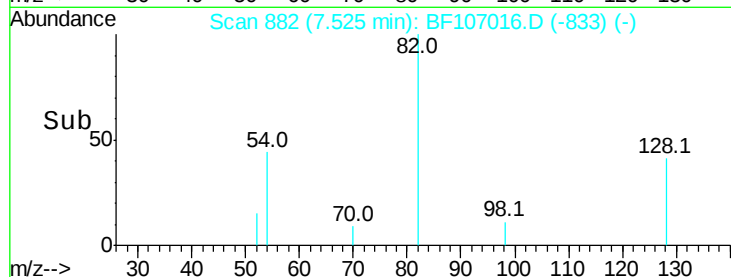
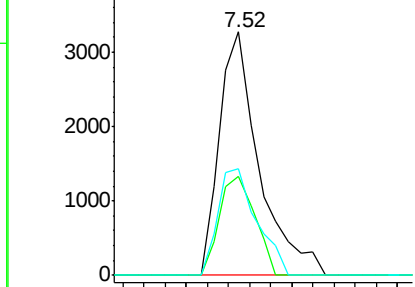
#23  
 Nitrobenzene-d5  
 Concen: 1.138 ng  
 RT: 7.52 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: BF107016.D  
 Acq: 30 Jun 2018 15:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A0C10-02

Tot Ion: 82 Resp: 4271  
 Ion Ratio Lower Upper  
 82 100  
 128 40.8 36.1 54.1  
 54 43.6 41.4 62.2

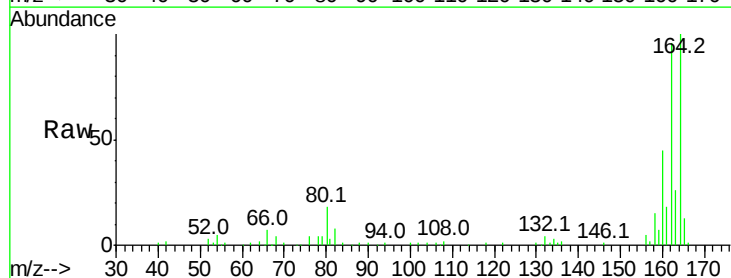


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

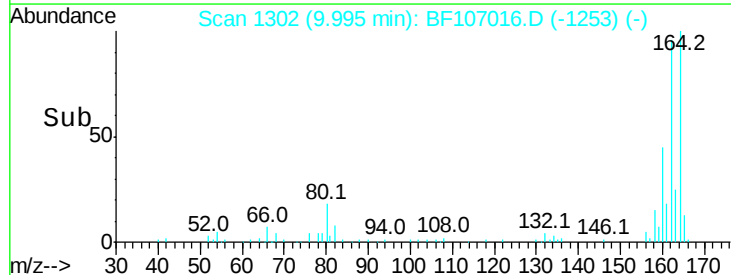
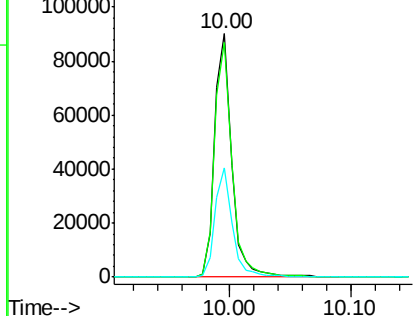


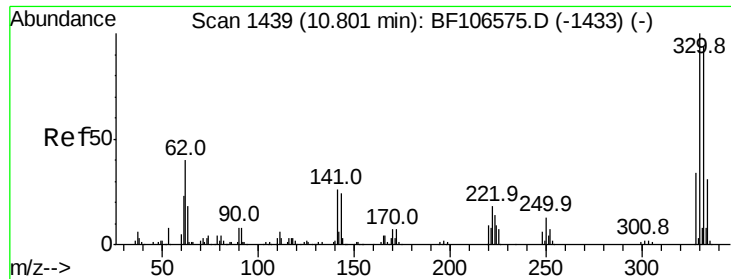
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF107016.D  
 Acq: 30 Jun 2018 15:56

Tgt Ion:164 Resp: 87513  
 Ion Ratio Lower Upper  
 164 100  
 162 96.3 86.1 129.1  
 160 44.8 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

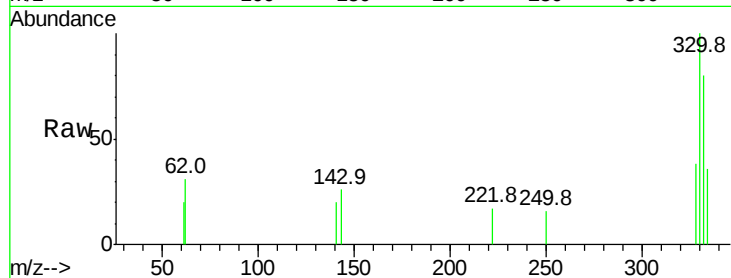




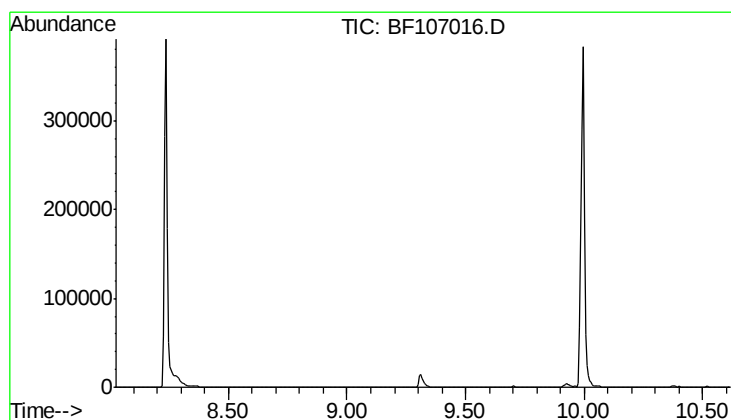
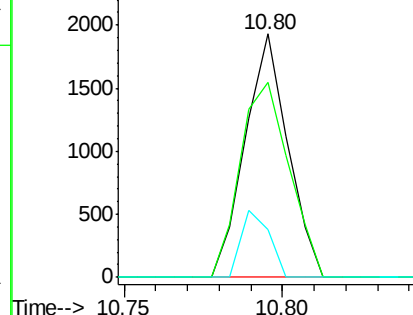
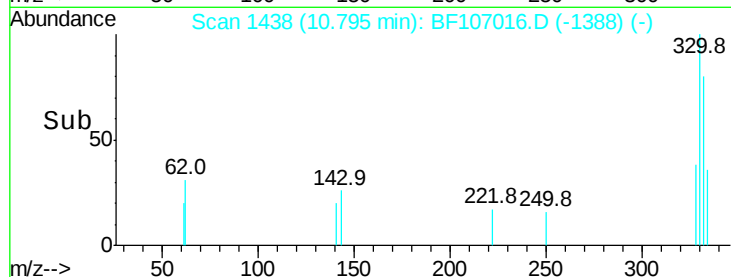
#41  
2,4,6-Tribromophenol  
Concen: 1.780 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BF107016.D  
Acq: 30 Jun 2018 15:56

Instrument :  
BNA\_F  
ClientSampleId :  
A0C10-02

Tot Ion:330 Resp: 1805  
Ion Ratio Lower Upper  
330 100  
332 91.5 77.0 115.6  
141 17.8 29.9 44.9#

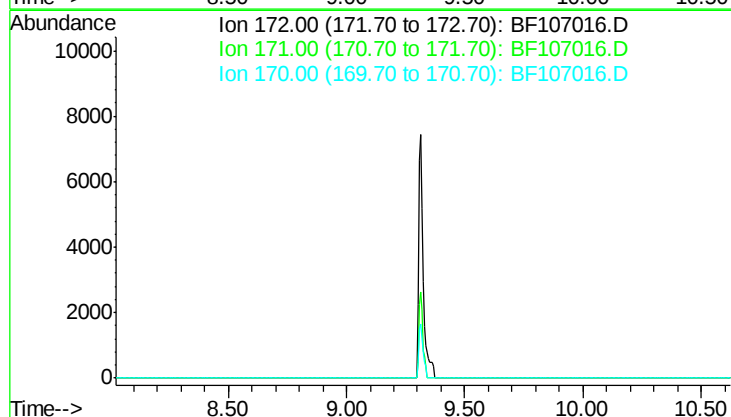


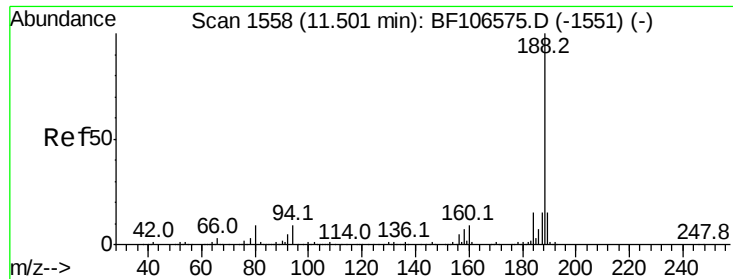
Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#44  
2-Fluorobiphenyl  
Concen: 0.000 ng  
Expected RT: 9.32 min  
Lab File: BF107016.D  
Acq: 30 Jun 2018 15:56

Tgt Ion: 172  
Sig Exp Ratio  
172 100  
171 37.1  
170 24.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107016.D

Acq: 30 Jun 2018 15:56

Instrument :

BNA\_F

ClientSampleId :

A0C10-02

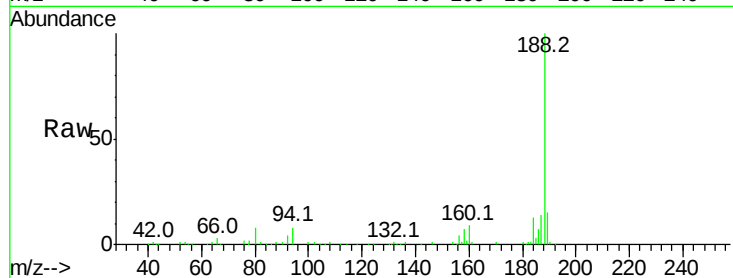
Tot Ion:188 Resp: 176936

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

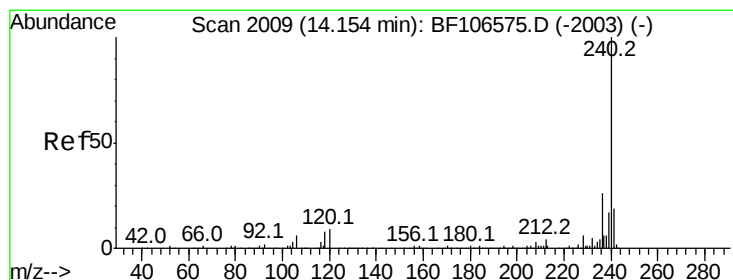
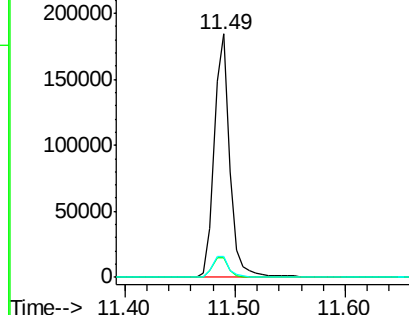
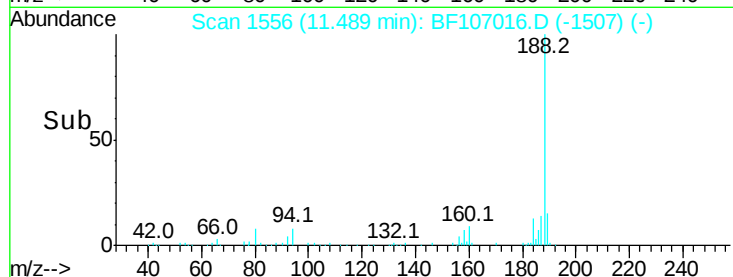
80 8.5 9.2 13.8#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107016.D

Acq: 30 Jun 2018 15:56

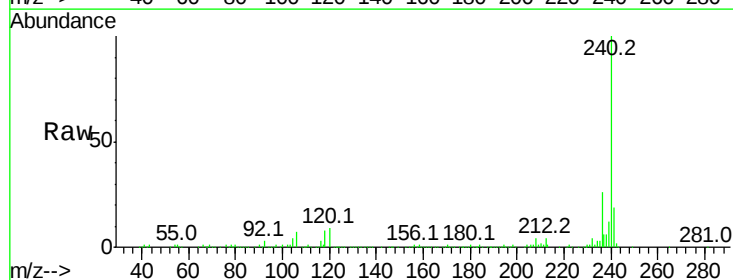
Tgt Ion:240 Resp: 206070

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

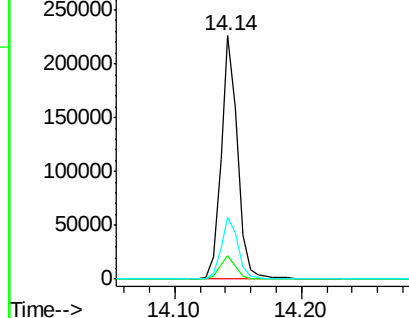
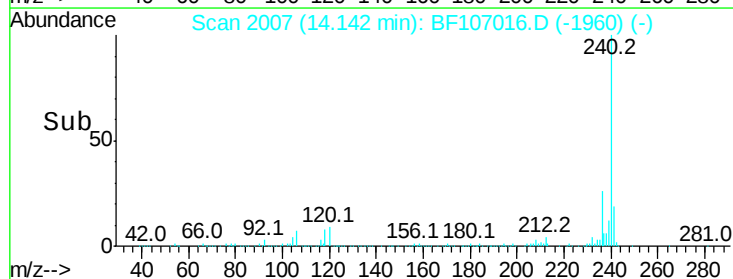
236 25.6 20.7 31.1

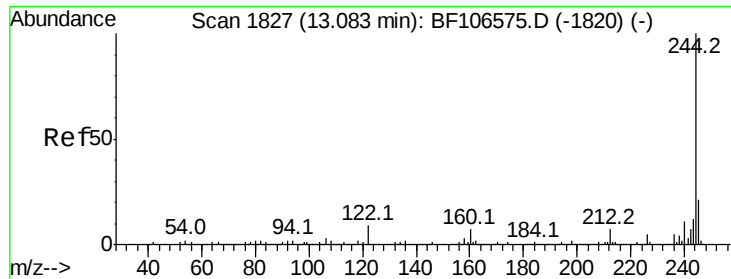


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

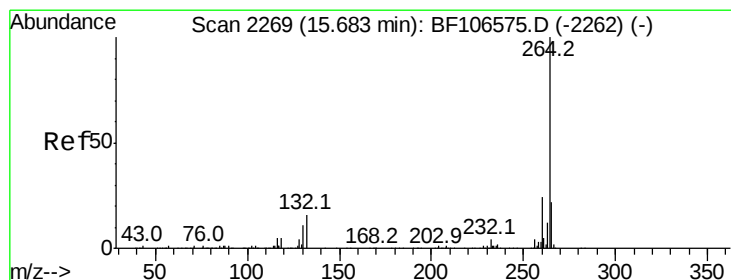
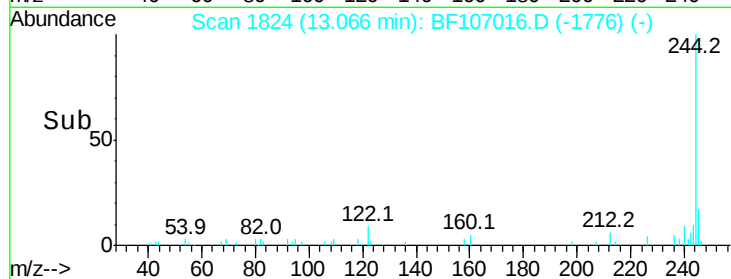
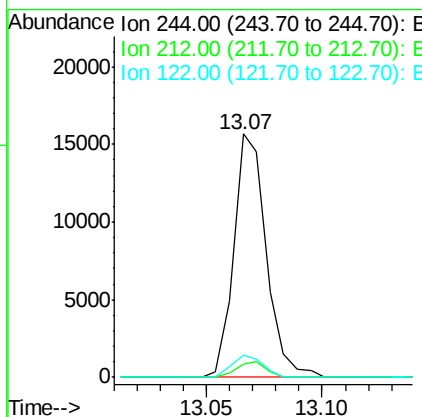
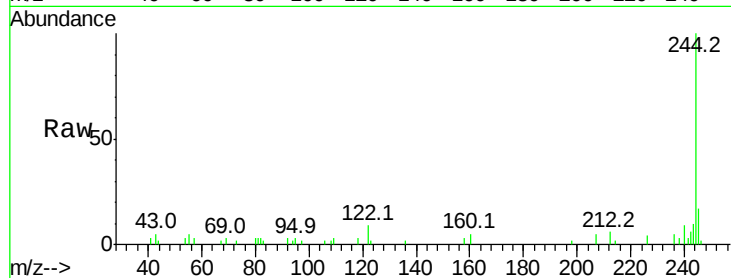




#78  
 Terphenyl-d14  
 Concen: 1.796 ng  
 RT: 13.07 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF107016.D  
 Acq: 30 Jun 2018 15:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A0C10-02

Tot Ion:244 Resp: 15277  
 Ion Ratio Lower Upper  
 244 100  
 212 5.7 5.4 8.0  
 122 9.2 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.03 min  
 Lab File: BF107016.D  
 Acq: 30 Jun 2018 15:56

Tgt Ion:264 Resp: 137604  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 22.4 17.5 26.3

