

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020818\  
 Data File : BF102856.D  
 Acq On : 8 Feb 2018 15:18  
 Operator : SJ/JU  
 Sample : J1469-15  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-2

Quant Time: Feb 08 18:18:59 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

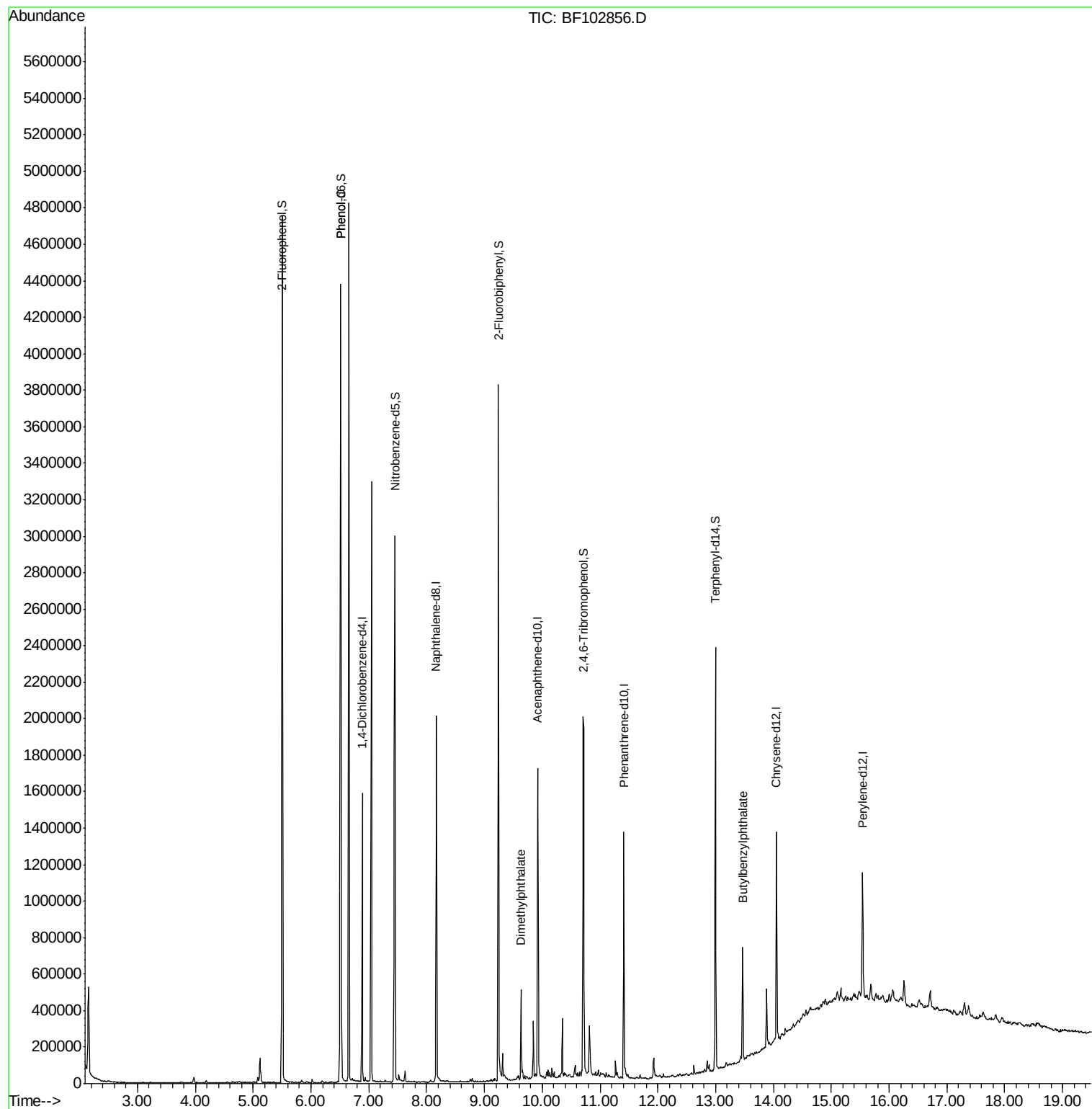
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 205267   | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.17  | 136  | 841214   | 20.00 | ng    | 0.00        |
| 38) Acenaphthene-d10        | 9.92  | 164  | 333300   | 20.00 | ng    | 0.00        |
| 63) Phenanthrene-d10        | 11.41 | 188  | 463520   | 20.00 | ng    | 0.00        |
| 75) Chrysene-d12            | 14.05 | 240  | 366610   | 20.00 | ng    | 0.00        |
| 86) Perylene-d12            | 15.54 | 264  | 332804   | 20.00 | ng    | 0.01        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1316556  | 97.41 | ng    | 0.01        |
| 7) Phenol-d6                | 6.52  | 99   | 1574529  | 96.75 | ng    | 0.01        |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 1025050  | 84.53 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 223835   | 83.44 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 1257075  | 62.58 | ng    | 0.00        |
| 78) Terphenyl-d14           | 13.00 | 244  | 757990   | 48.96 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 10) Phenol                  | 6.52  | 94   | 90990    | 5.217 | ng    | Qvalue # 70 |
| 49) Dimethylphthalate       | 9.63  | 163  | 163766   | 6.302 | ng    | 98          |
| 79) Butylbenzylphthalate    | 13.47 | 149  | 125691   | 9.970 | ng    | 96          |

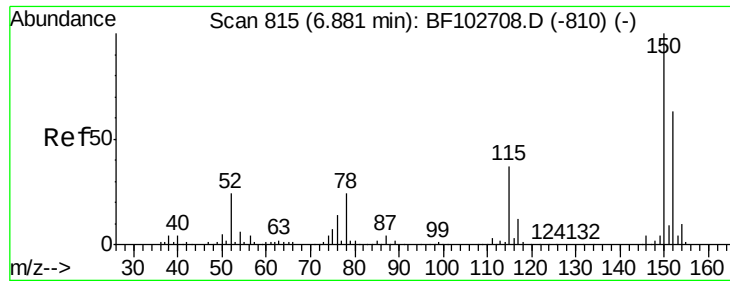
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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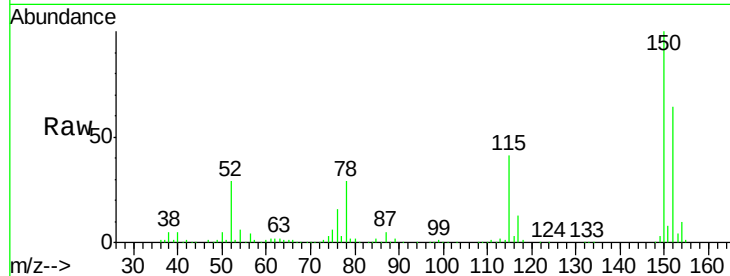


#1

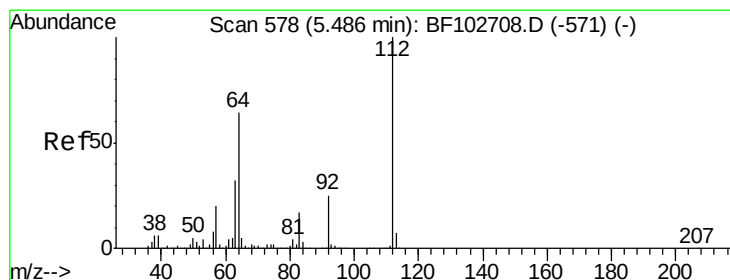
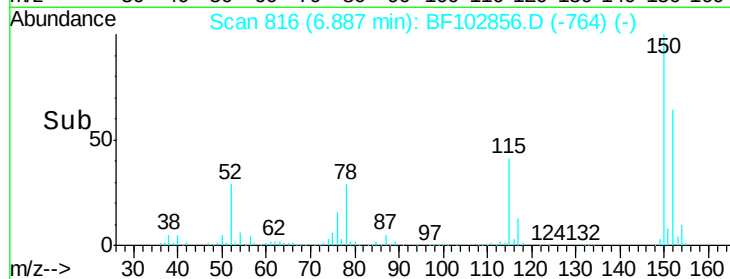
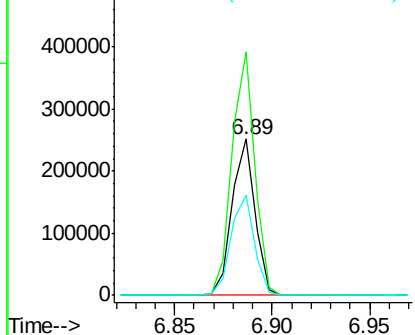
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102856.D  
Acq: 8 Feb 2018 15:18

Instrument :  
BNA\_F  
ClientSampled :  
3N-2

Tgt Ion:152 Resp: 205267  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.6 186.8  
115 64.0 50.1 75.1



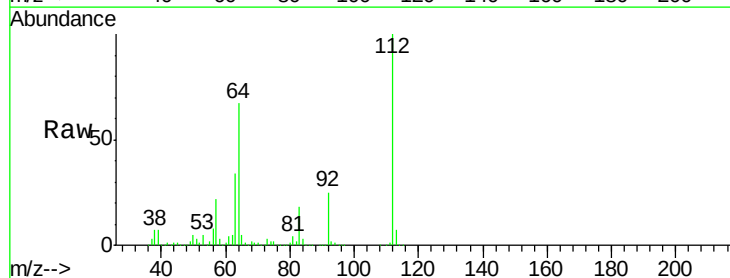
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



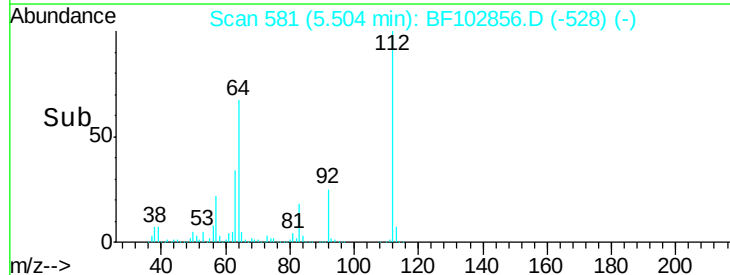
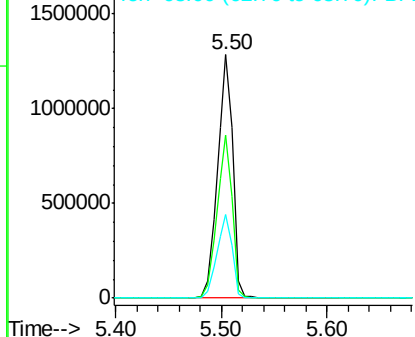
#5

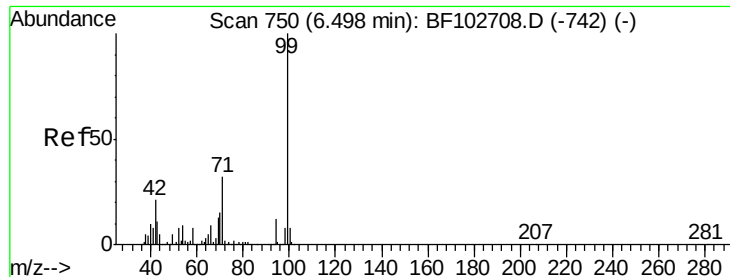
2-Fluorophenol  
Concen: 97.405 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF102856.D  
Acq: 8 Feb 2018 15:18

Tgt Ion:112 Resp: 1316556  
Ion Ratio Lower Upper  
112 100  
64 66.9 47.9 71.9  
63 34.4 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: 96.748 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102856.D

Acq: 8 Feb 2018 15:18

Instrument :

BNA\_F

ClientSampleId :

3N-2

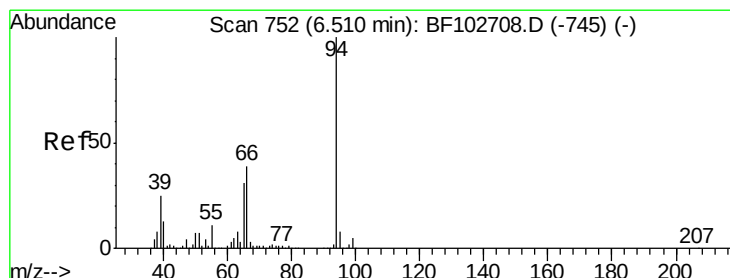
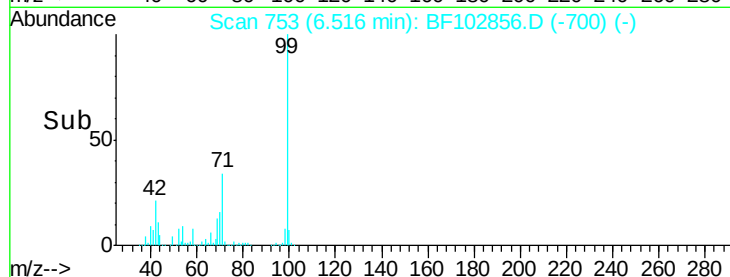
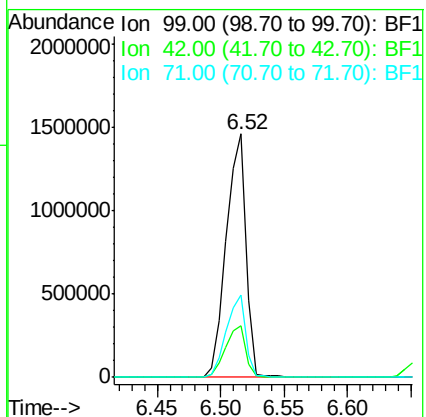
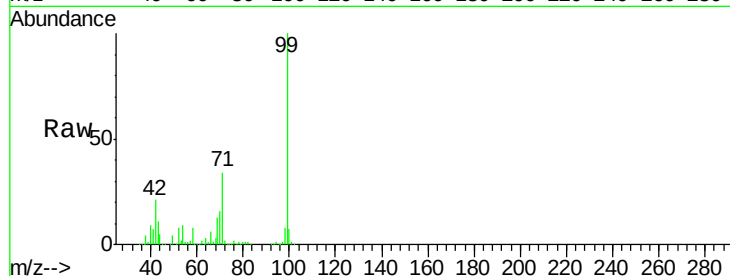
Tgt Ion: 99 Resp: 1574529

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 33.7 25.4 38.0



#10

Phenol

Concen: 5.217 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102856.D

Acq: 8 Feb 2018 15:18

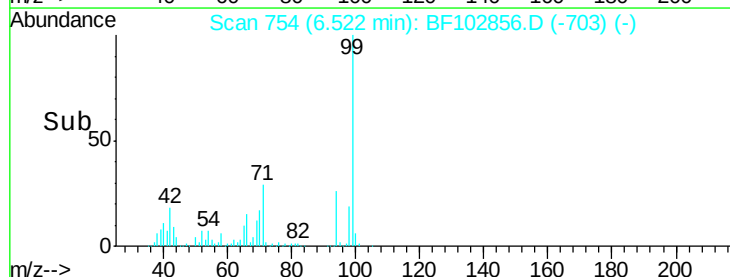
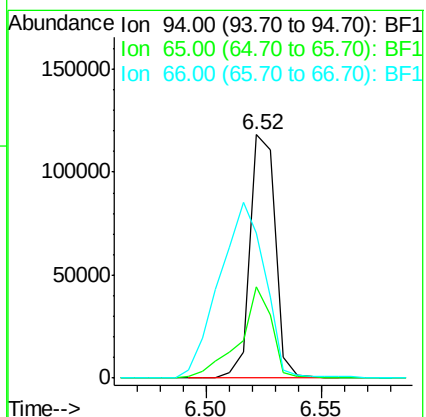
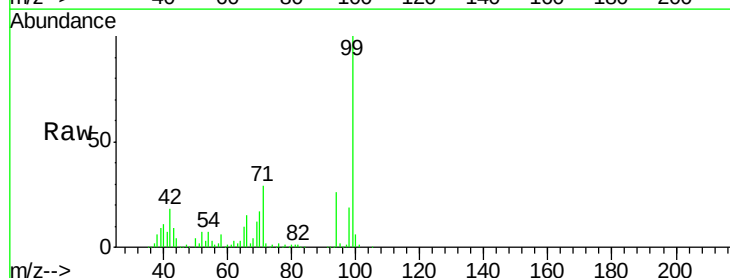
Tgt Ion: 94 Resp: 90990

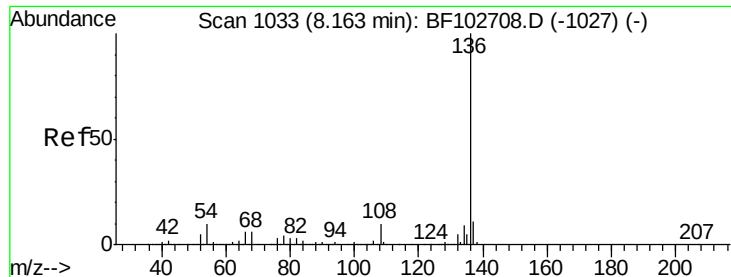
Ion Ratio Lower Upper

94 100

65 37.5 7.9 47.9

66 59.7 16.2 56.2#

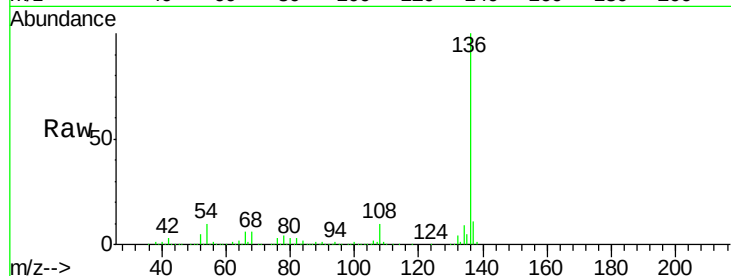




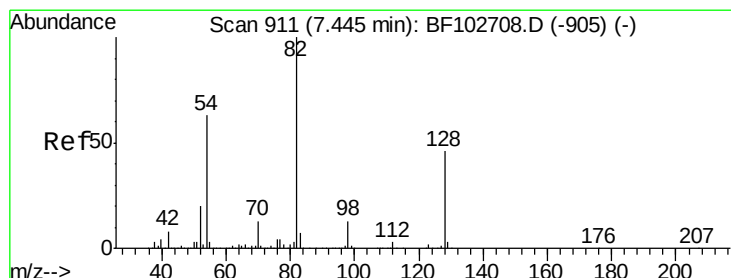
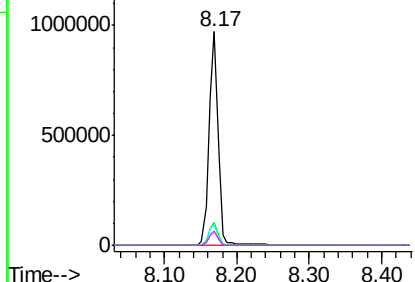
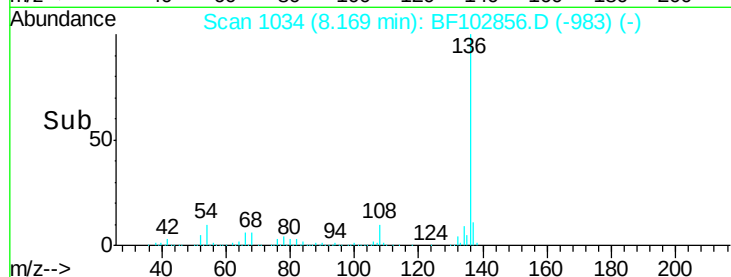
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BF102856.D  
Acq: 8 Feb 2018 15:18

Instrument :  
BNA\_F  
ClientSampled :  
3N-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 841214 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 9.5   | 6.6   | 9.8    |
| 68       | 6.3   | 5.0   | 7.4    |

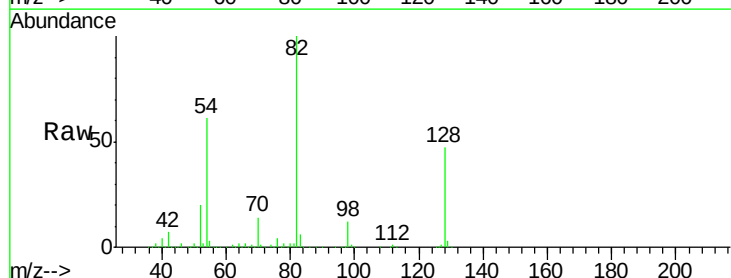


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

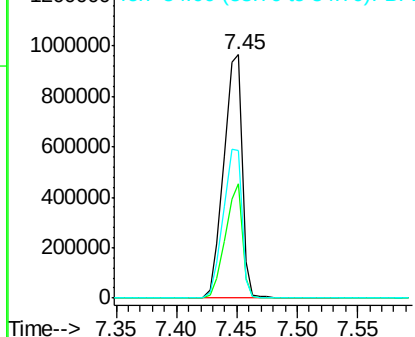
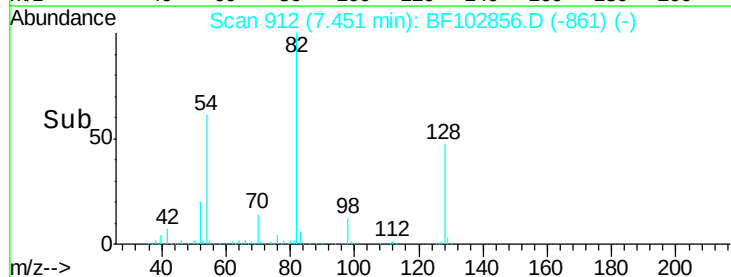


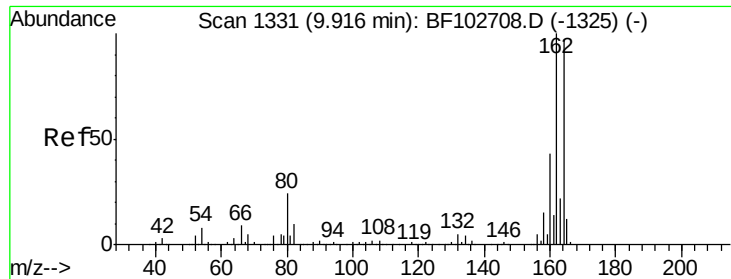
#23  
Nitrobenzene-d5  
Concen: 84.531 ng  
RT: 7.45 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: BF102856.D  
Acq: 8 Feb 2018 15:18

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1025050 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 46.7  | 36.1  | 54.1    |
| 54       | 60.6  | 41.4  | 62.2    |



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

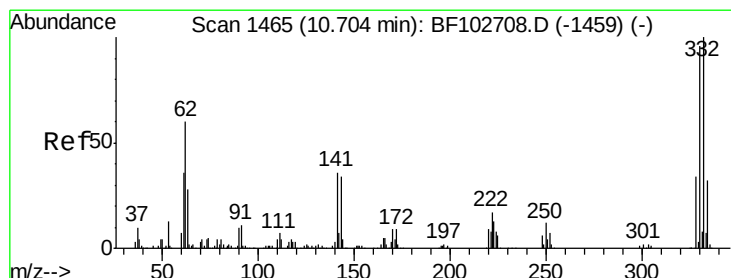
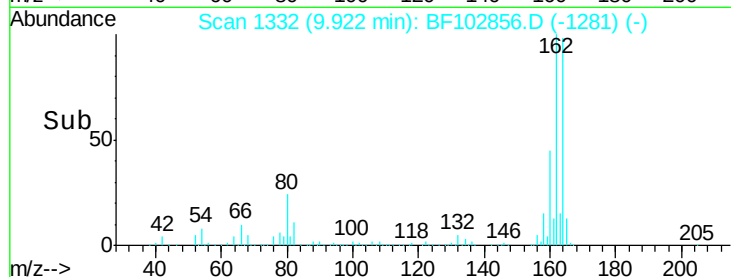
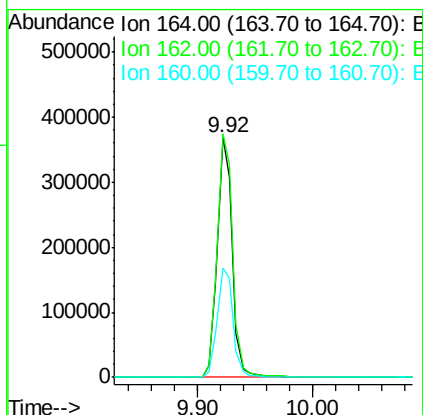
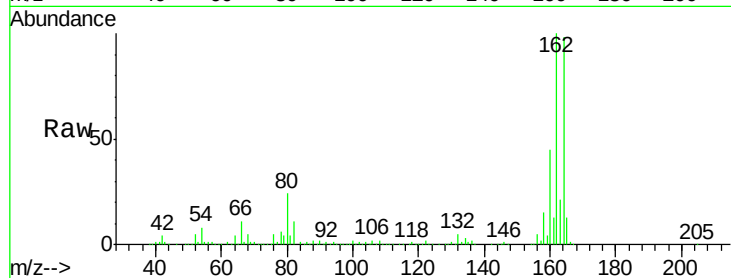




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: BF102856.D  
 Acq: 8 Feb 2018 15:18

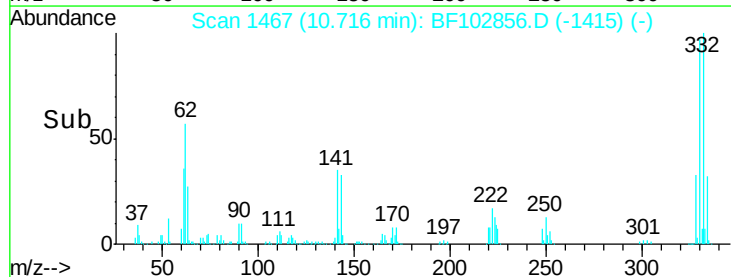
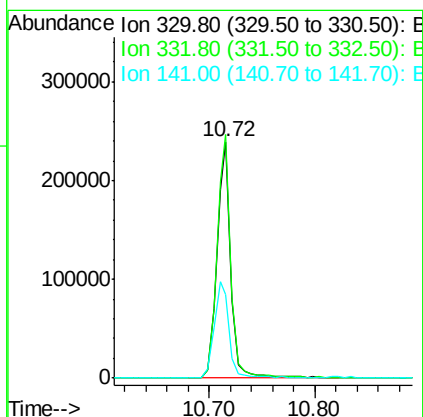
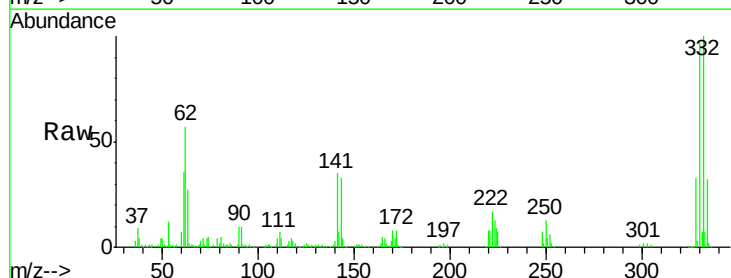
Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-2

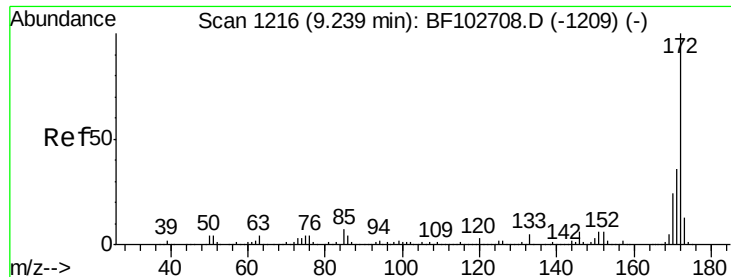
Tgt Ion:164 Resp: 333300  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 86.1 129.1  
 160 45.7 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 83.437 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. 0.01 min  
 Lab File: BF102856.D  
 Acq: 8 Feb 2018 15:18

Tgt Ion:330 Resp: 223835  
 Ion Ratio Lower Upper  
 330 100  
 332 102.6 77.0 115.6  
 141 45.1 29.9 44.9#

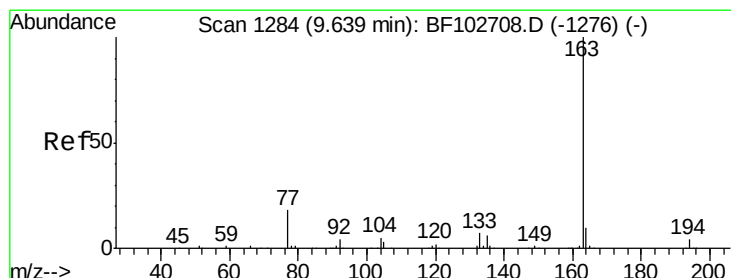
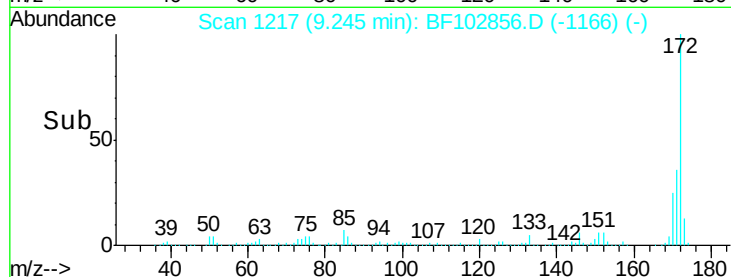
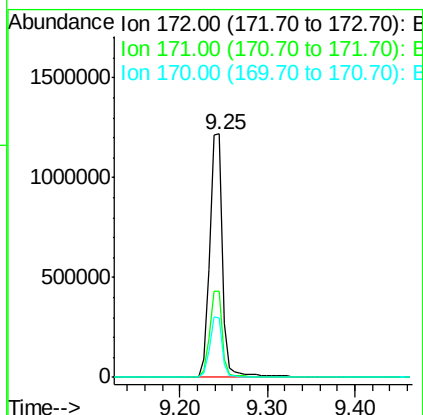
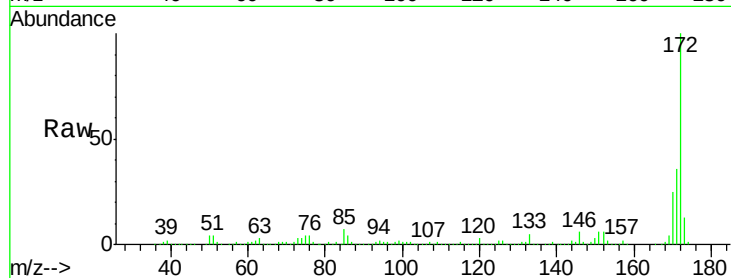




#44  
 2-Fluorobiphenyl  
 Concen: 62.584 ng  
 RT: 9.25 min Scan# 1217  
 Delta R.T. 0.00 min  
 Lab File: BF102856.D  
 Acq: 8 Feb 2018 15:18

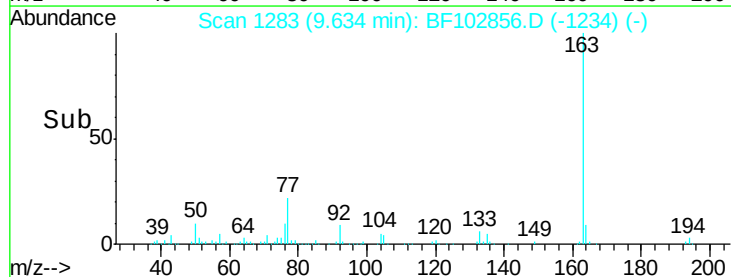
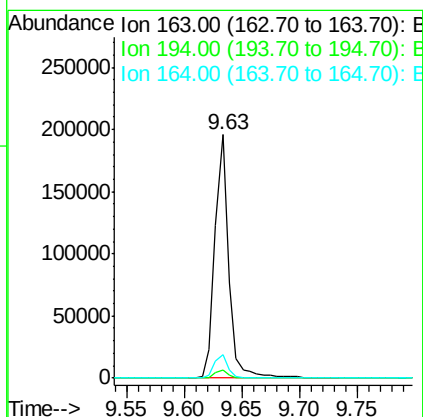
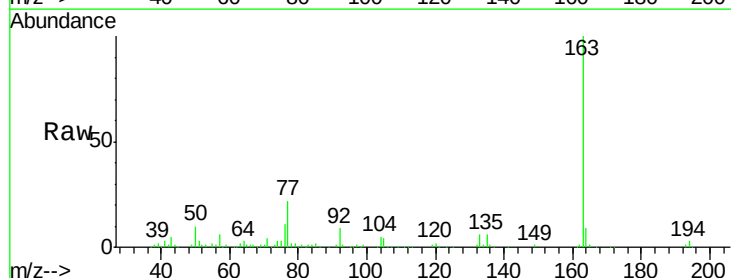
Instrument :  
 BNA\_F  
 ClientSampleId :  
 3N-2

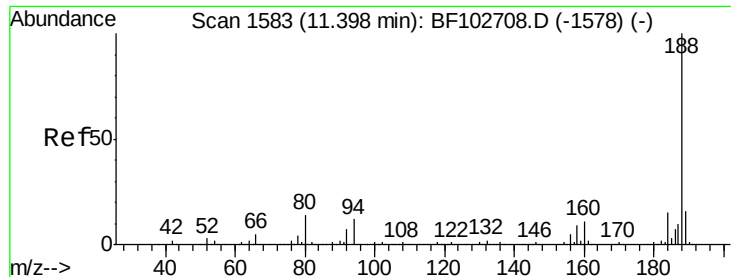
Tgt Ion:172 Resp: 1257075  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.7 44.5  
 170 24.6 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 6.302 ng  
 RT: 9.63 min Scan# 1283  
 Delta R.T. -0.01 min  
 Lab File: BF102856.D  
 Acq: 8 Feb 2018 15:18

Tgt Ion:163 Resp: 163766  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 2.7 4.1  
 164 9.4 8.2 12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF102856.D

Acq: 8 Feb 2018 15:18

Instrument :

BNA\_F

ClientSampleId :

3N-2

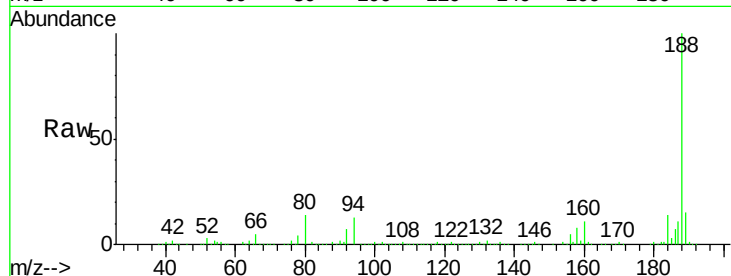
Tgt Ion:188 Resp: 463520

Ion Ratio Lower Upper

188 100

94 12.6 8.5 12.7

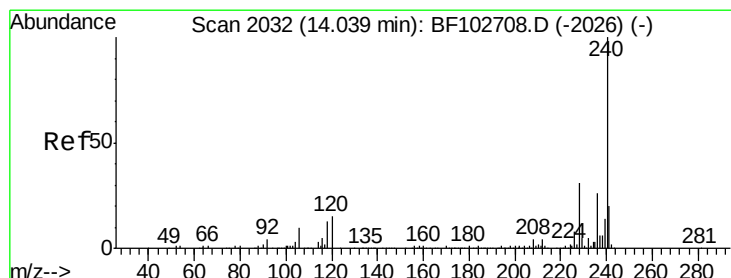
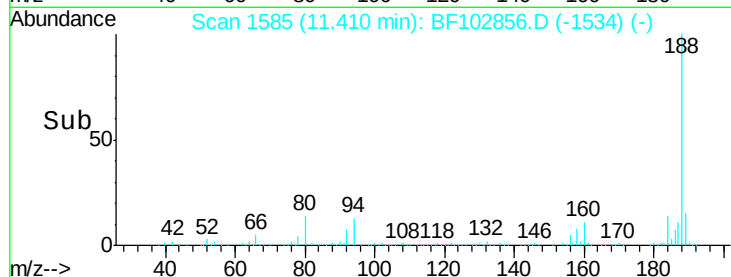
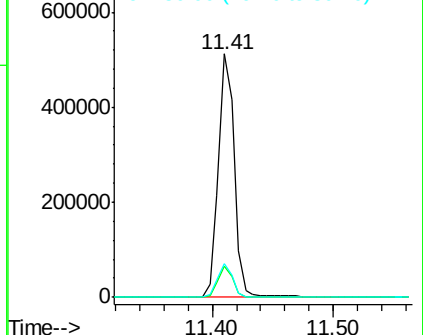
80 13.8 9.2 13.8



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: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF102856.D

Acq: 8 Feb 2018 15:18

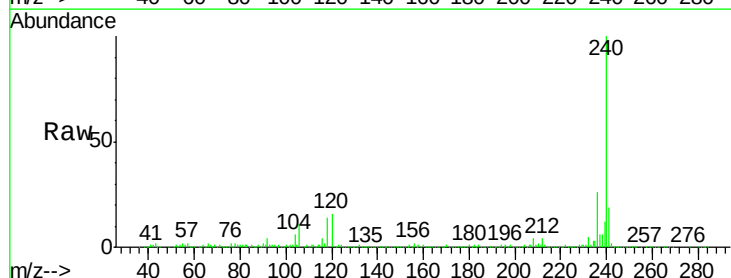
Tgt Ion:240 Resp: 366610

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

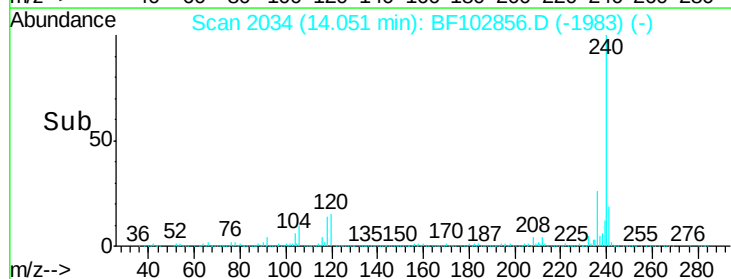
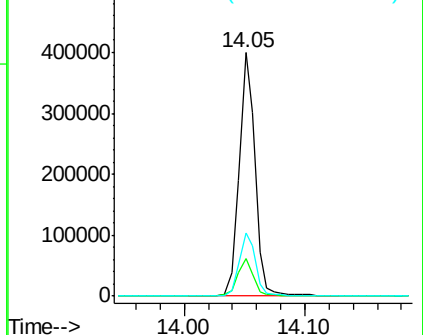
236 26.1 20.7 31.1



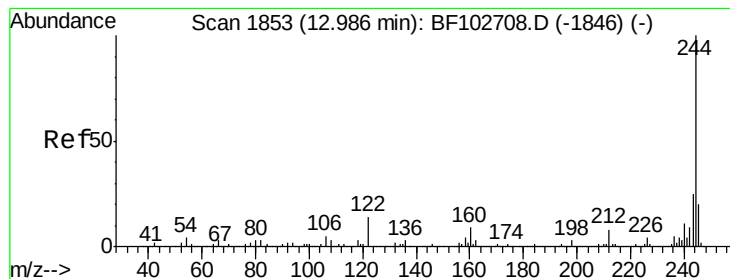
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 48.955 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102856.D

Acq: 8 Feb 2018 15:18

Instrument :

BNA\_F

ClientSampled :

3N-2

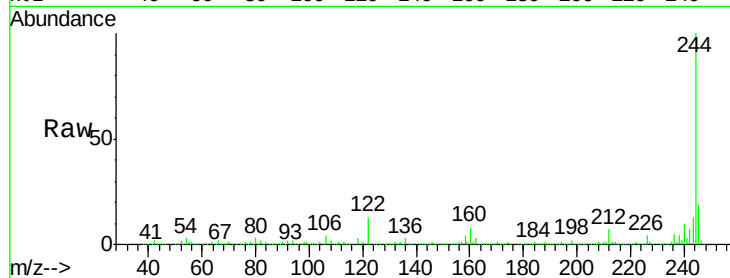
Tgt Ion:244 Resp: 757990

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

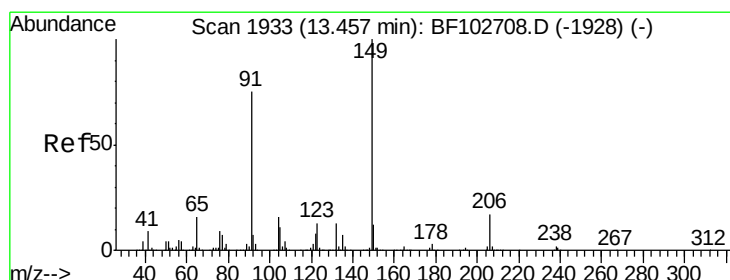
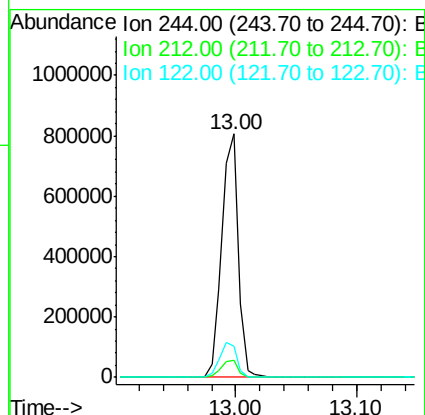
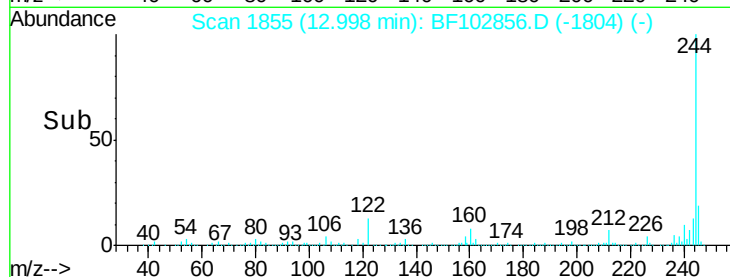
122 12.9 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 9.970 ng

RT: 13.47 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BF102856.D

Acq: 8 Feb 2018 15:18

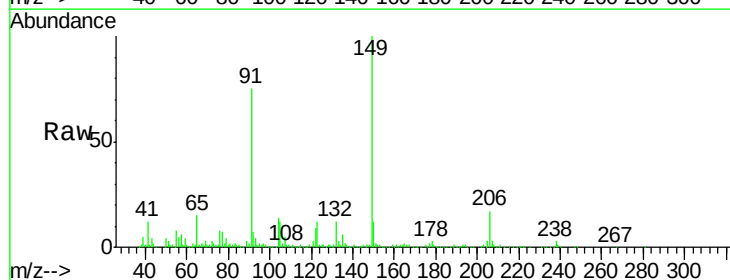
Tgt Ion:149 Resp: 125691

Ion Ratio Lower Upper

149 100

91 74.5 56.8 85.2

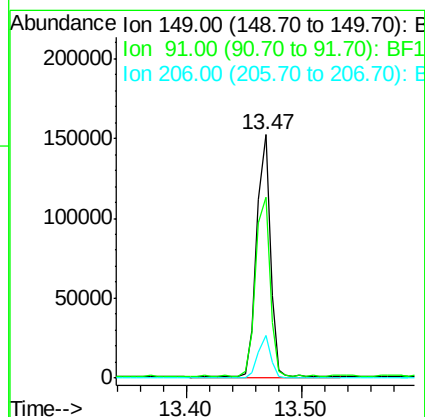
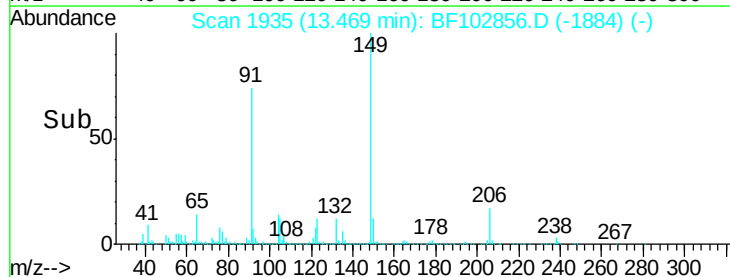
206 17.4 14.1 21.1

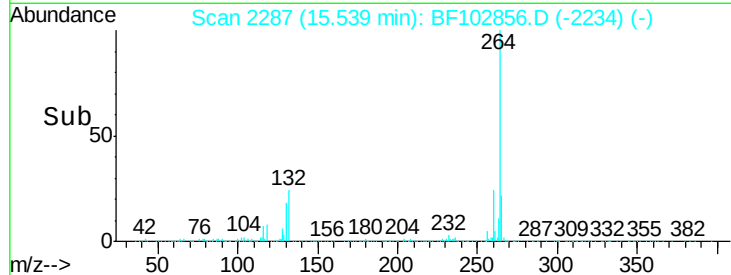
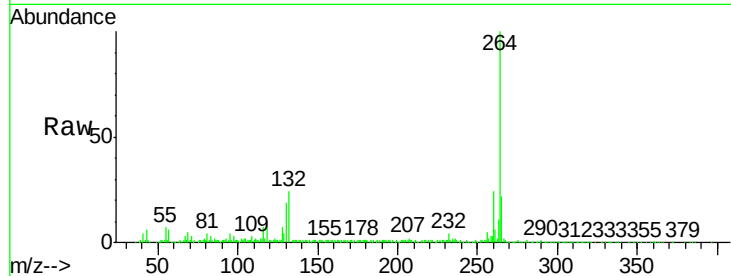
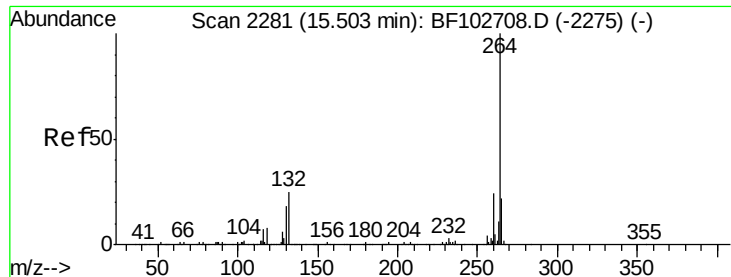


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2287  
Delta R.T. 0.01 min  
Lab File: BF102856.D  
Acq: 8 Feb 2018 15:18

Instrument :  
BNA\_F  
ClientSampleId :  
3N-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 332804 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.3  | 19.2  | 28.8   |
| 265      | 22.0  | 17.5  | 26.3   |

