

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\  
 Data File : BF101547.D  
 Acq On : 20 Dec 2017 3:37  
 Operator : SJ/JU  
 Sample : I6974-02  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DOCK-2

Quant Time: Dec 20 07:39:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 18 15:38:59 2017  
 Response via : Initial Calibration

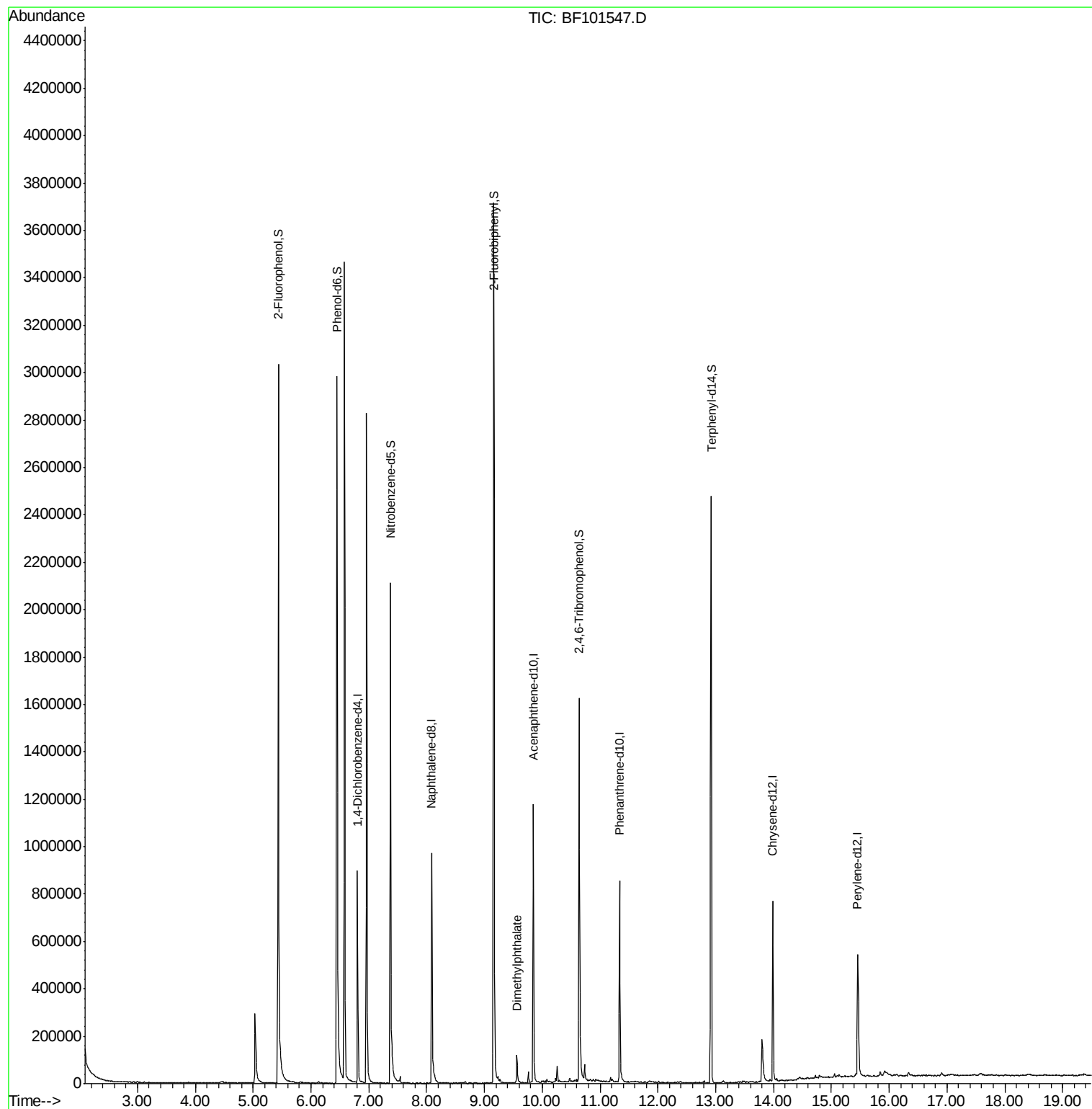
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 144163   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 578334   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 240504   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 384317   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 288454   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.46 | 264  | 299332   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1019819  | 105.37 | ng    | 0.01     |
| 7) Phenol-d6                | 6.45  | 99   | 1245843  | 103.43 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 812526   | 78.21  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 217062   | 93.66  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 1310138  | 84.50  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 914199   | 76.40  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.56  | 163  | 55726    | 2.881  | ng    | 99       |

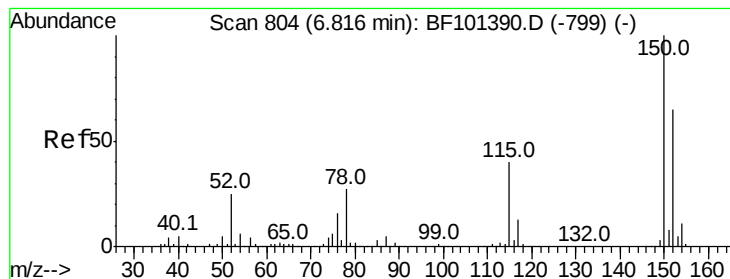
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF101547.D

Acq: 20 Dec 2017 3:37

Instrument :

BNA\_F

ClientSampleId :

DOCK-2

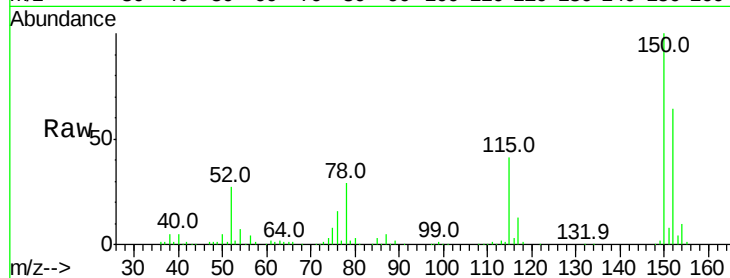
Tot Ion:152 Resp: 144163

Ion Ratio Lower Upper

152 100

150 157.3 124.6 186.8

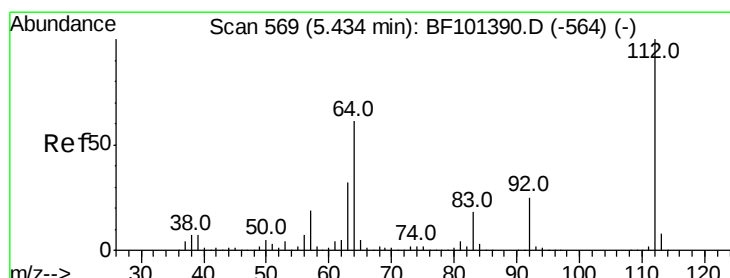
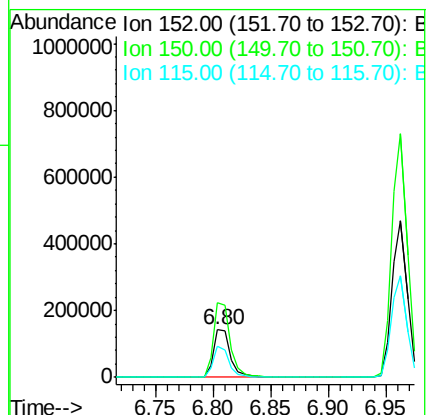
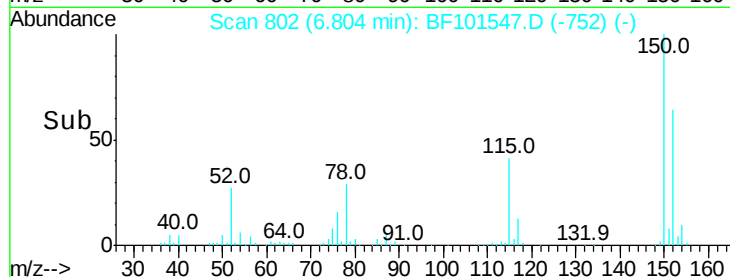
115 65.0 50.1 75.1



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: 105.374 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF101547.D

Acq: 20 Dec 2017 3:37

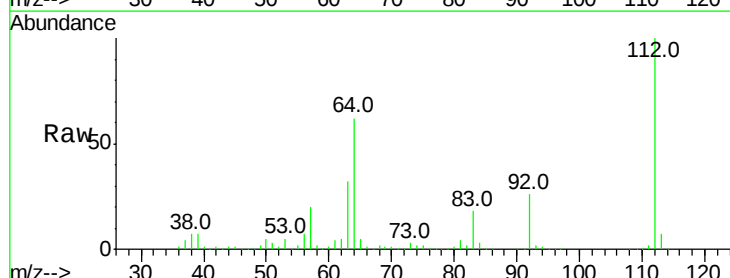
Tgt Ion:112 Resp: 1019819

Ion Ratio Lower Upper

112 100

64 61.7 47.9 71.9

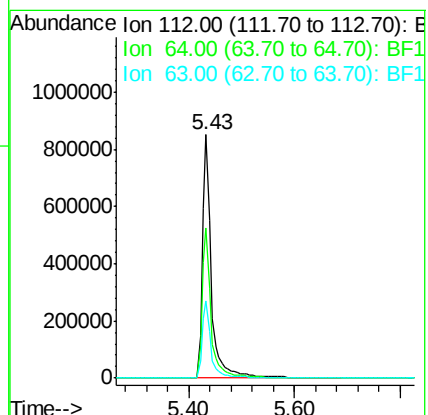
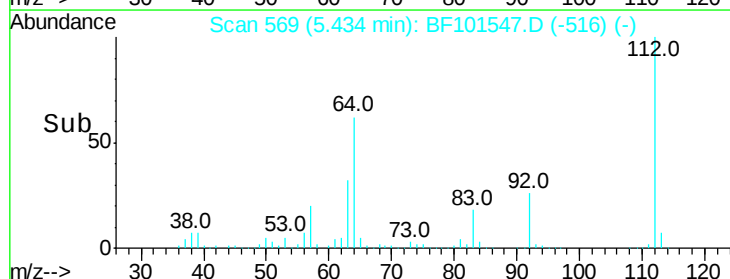
63 31.7 23.7 35.5

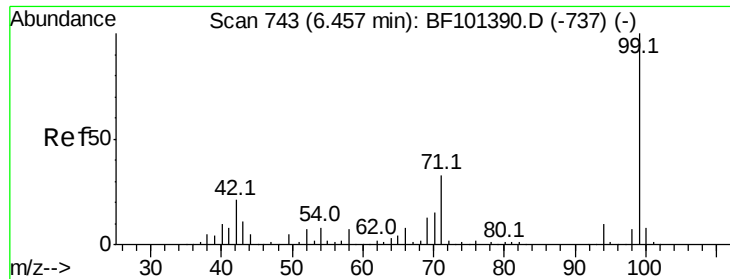


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.434 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101547.D

Acq: 20 Dec 2017 3:37

Instrument :

BNA\_F

ClientSampleId :

DOCK-2

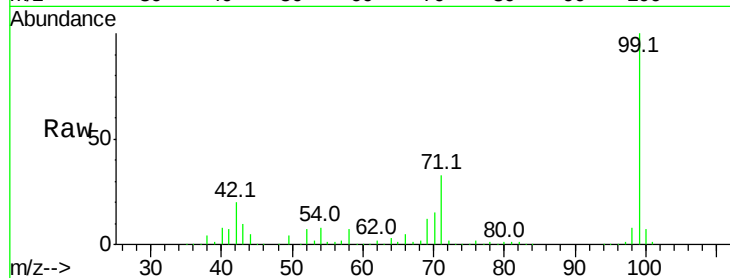
Tot Ion: 99 Resp: 1245843

Ion Ratio Lower Upper

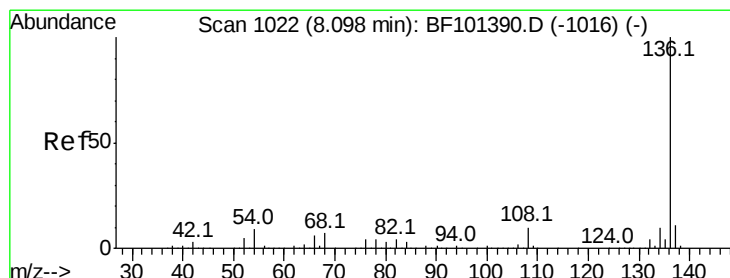
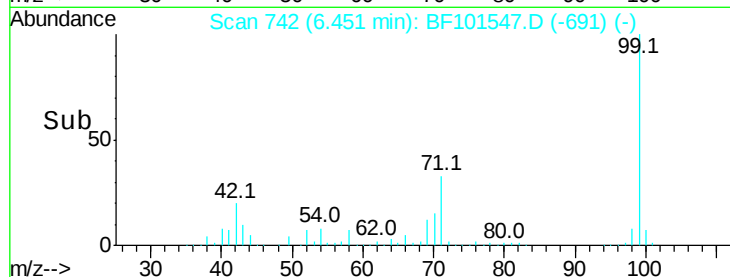
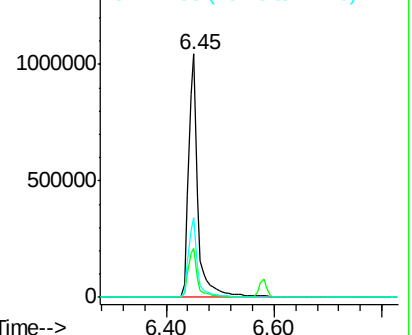
99 100

42 20.3 14.5 21.7

71 32.5 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: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101547.D

Acq: 20 Dec 2017 3:37

Tgt Ion: 136 Resp: 578334

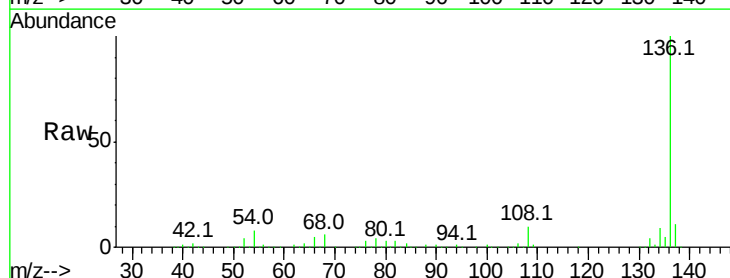
Ion Ratio Lower Upper

136 100

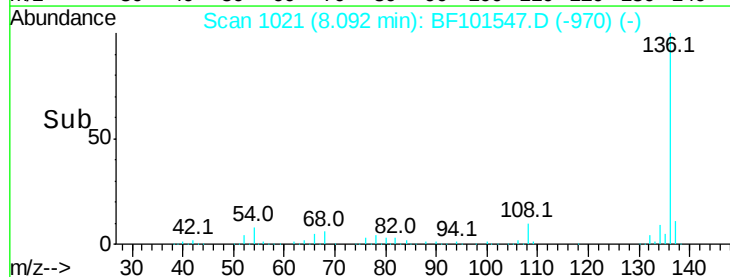
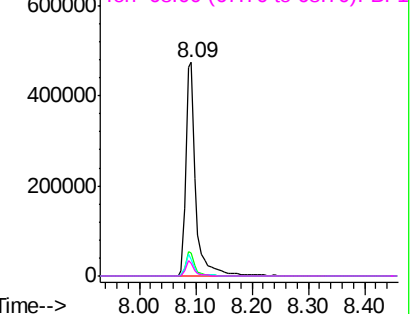
137 11.0 8.9 13.3

54 8.1 6.6 9.8

68 6.1 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

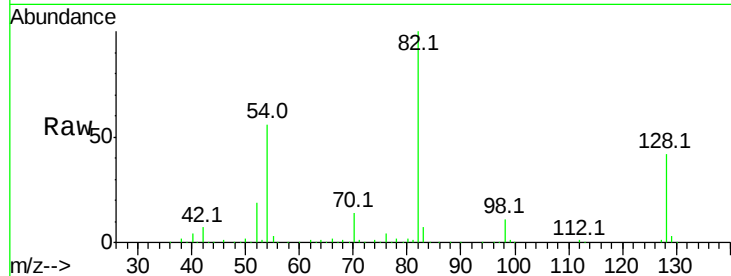




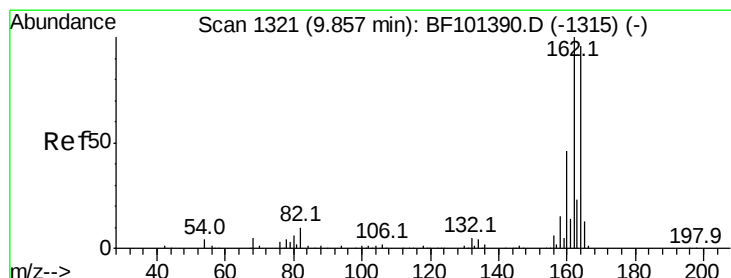
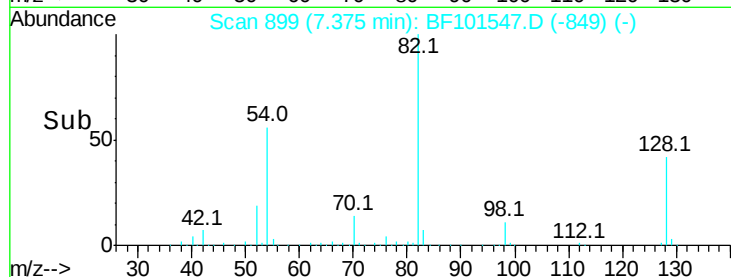
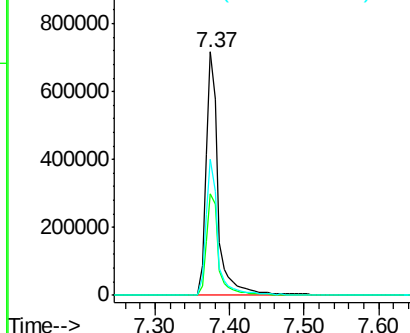
#23  
 Nitrobenzene-d5  
 Concen: 78.207 ng  
 RT: 7.37 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: BF101547.D  
 Acq: 20 Dec 2017 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DOCK-2

Tot Ion: 82 Resp: 812526  
 Ion Ratio Lower Upper  
 82 100  
 128 41.7 36.1 54.1  
 54 56.0 41.4 62.2

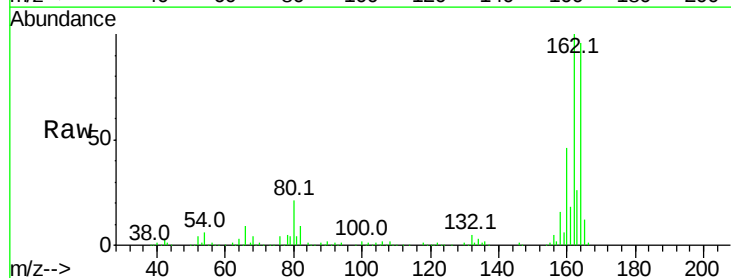


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

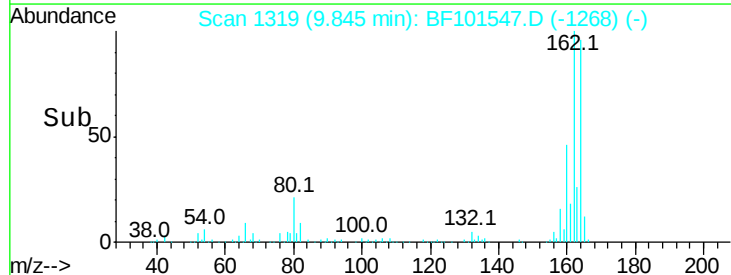
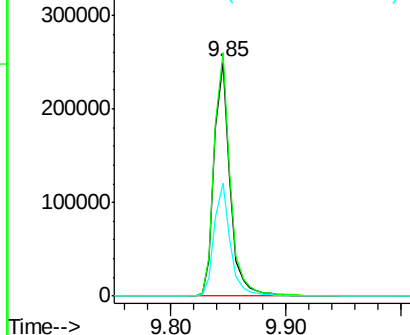


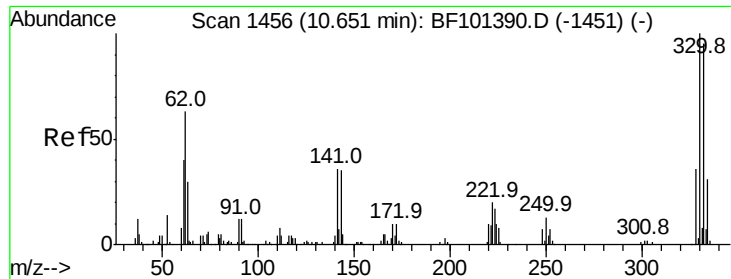
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1319  
 Delta R.T. -0.00 min  
 Lab File: BF101547.D  
 Acq: 20 Dec 2017 3:37

Tgt Ion: 164 Resp: 240504  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 86.1 129.1  
 160 48.1 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

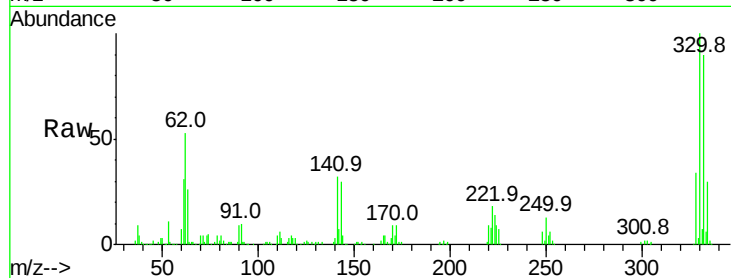




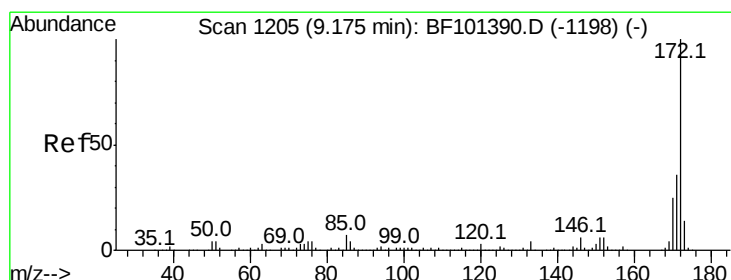
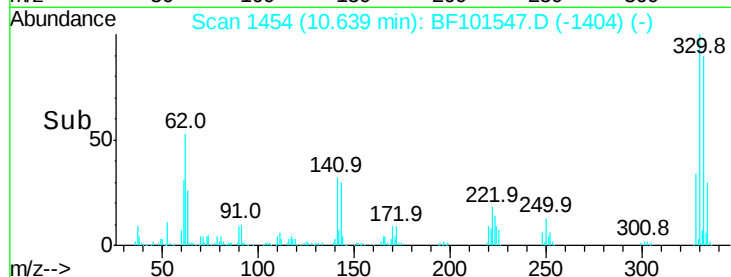
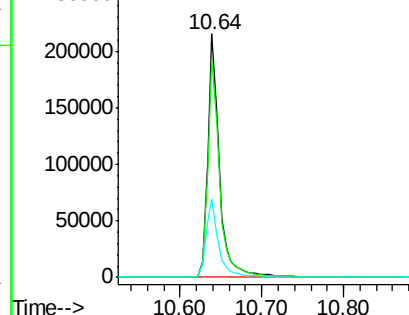
#41  
 2,4,6-Tribromophenol  
 Concen: 93.664 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF101547.D  
 Acq: 20 Dec 2017 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DOCK-2

Tot Ion:330 Resp: 217062  
 Ion Ratio Lower Upper  
 330 100  
 332 92.1 77.0 115.6  
 141 34.5 29.9 44.9

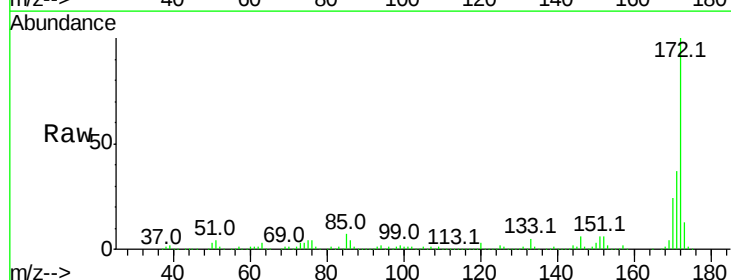


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

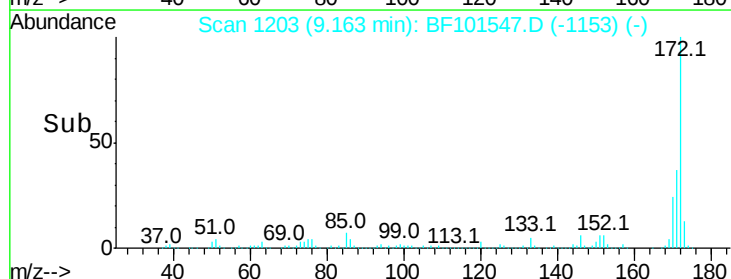
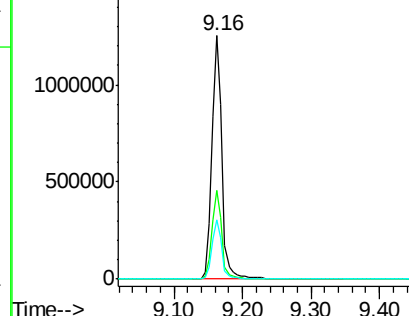


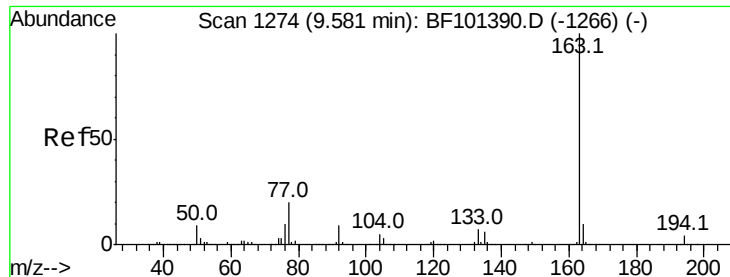
#44  
 2-Fluorobiphenyl  
 Concen: 84.503 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF101547.D  
 Acq: 20 Dec 2017 3:37

Tgt Ion:172 Resp: 1310138  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.7 44.5  
 170 24.5 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

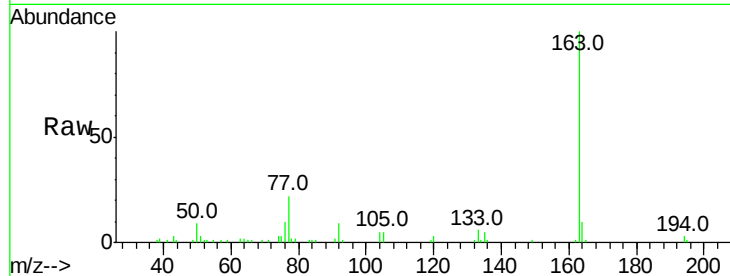




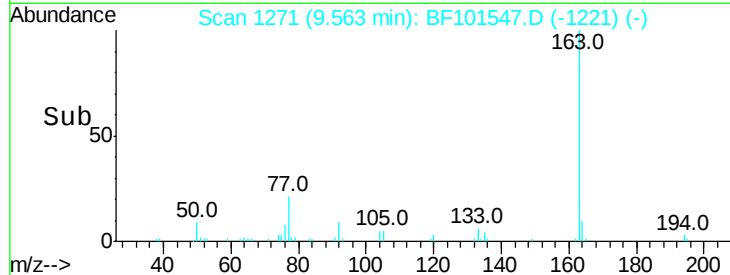
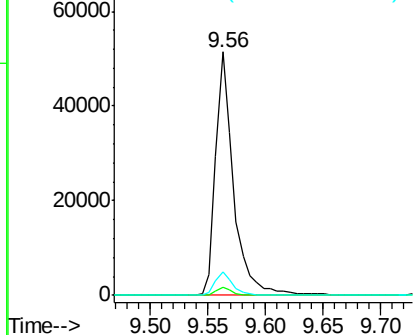
#49  
Dimethylphthalate  
Concen: 2.881 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BF101547.D  
Acq: 20 Dec 2017 3:37

Instrument :  
BNA\_F  
ClientSampleId :  
DOCK-2

Tot Ion:163 Resp: 55726  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.7 8.2 12.2

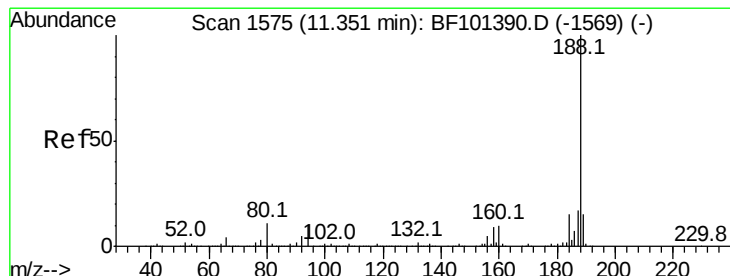


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

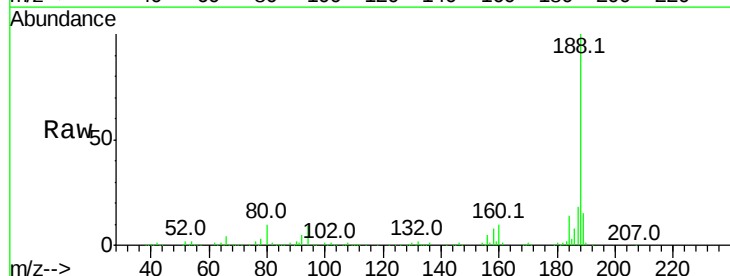
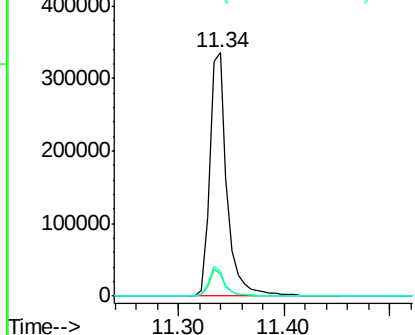


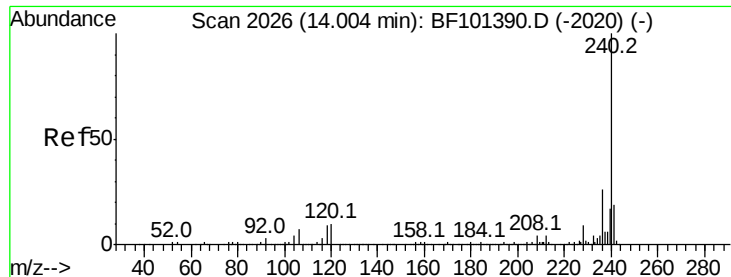
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. -0.00 min  
Lab File: BF101547.D  
Acq: 20 Dec 2017 3:37

Tgt Ion:188 Resp: 384317  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.5 12.7  
80 10.4 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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF101547.D

Acq: 20 Dec 2017 3:37

Instrument :

BNA\_F

ClientSampleId :

DOCK-2

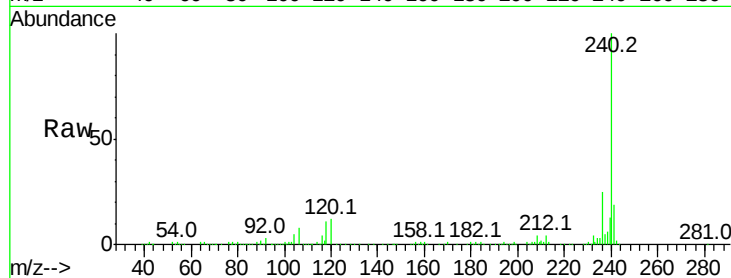
Tot Ion:240 Resp: 288454

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

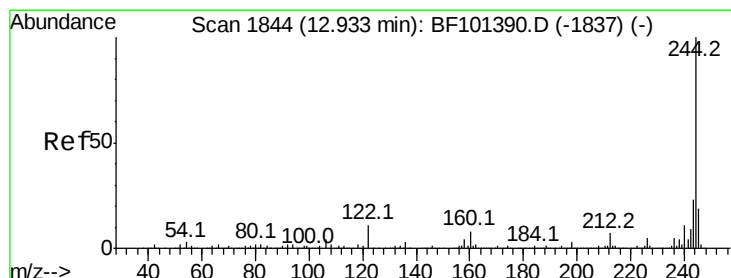
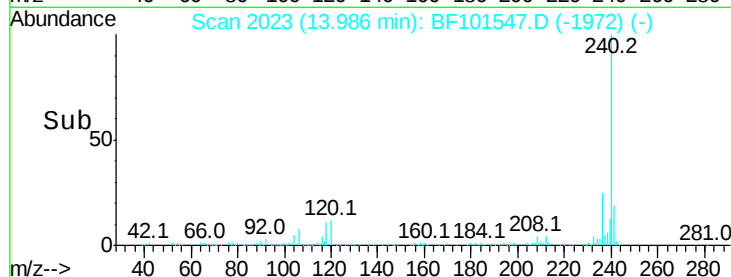
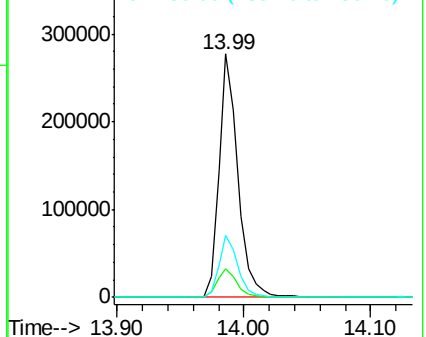
236 25.4 20.7 31.1



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: 76.405 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF101547.D

Acq: 20 Dec 2017 3:37

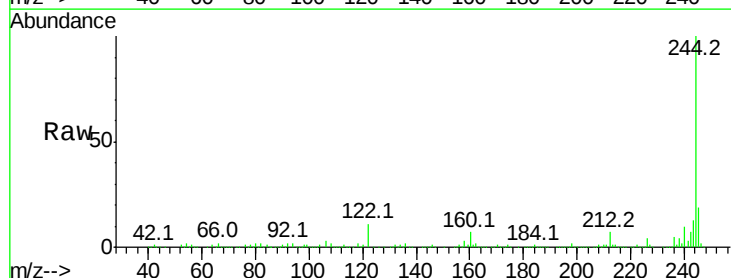
Tgt Ion:244 Resp: 914199

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

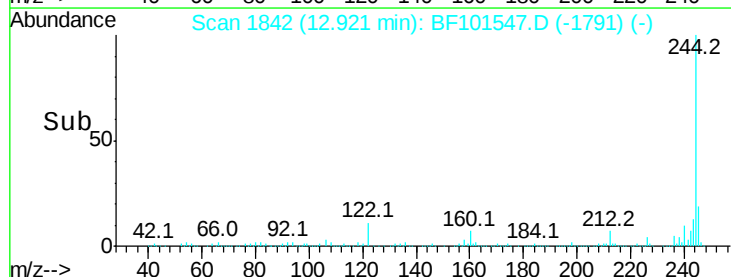
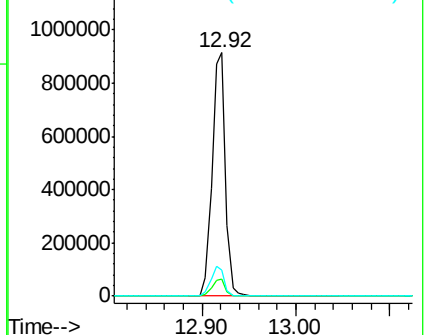
122 10.8 11.0 16.4#

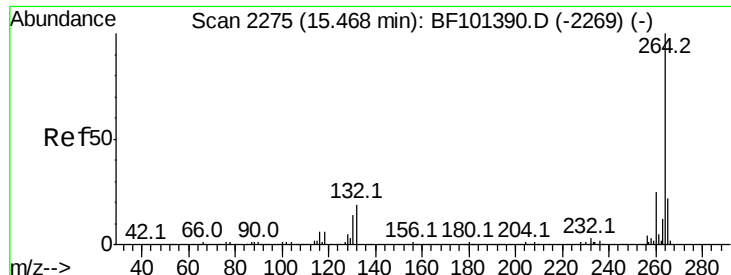


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2273  
Delta R.T. 0.01 min  
Lab File: BF101547.D  
Acq: 20 Dec 2017 3:37

Instrument :  
BNA\_F  
ClientSampleId :  
DOCK-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 20.7  | 17.5  | 26.3  |

