

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\  
 Data File : BF104717.D  
 Acq On : 23 Apr 2018 18:41  
 Operator : JU/SJ  
 Sample : J2503-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-2-1-PPE

Quant Time: Apr 24 09:54:09 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 23 15:38:25 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 106048   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 422435   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 173700   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 276324   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 197862   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.46 | 264  | 145690   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 259653   | 37.44 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 326885   | 38.36 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 176823   | 27.33 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 65955    | 36.60 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 395866   | 36.00 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 335242   | 38.63 | ng    | 0.00     |

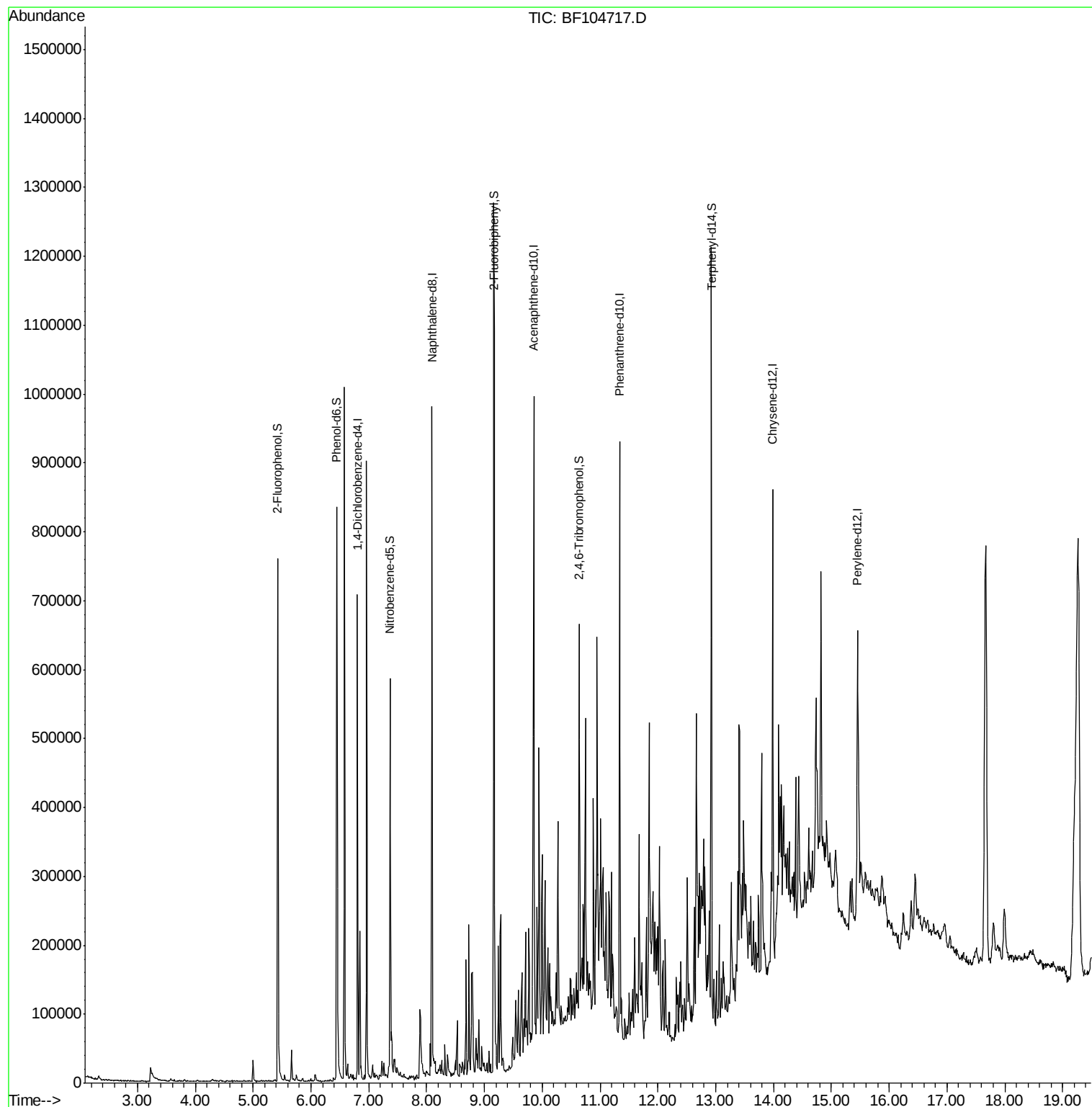
Target Compounds Qvalue

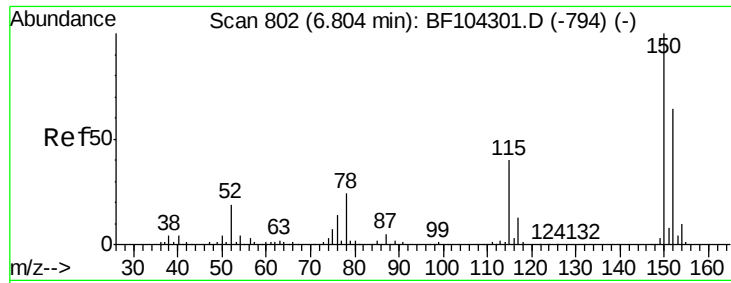
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\  
Data File : BF104717.D  
Acq On : 23 Apr 2018 18:41  
Operator : JU/SJ  
Sample : J2503-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-2-1-PPE

Quant Time: Apr 24 09:54:09 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 23 15:38:25 2018  
Response via : Initial Calibration



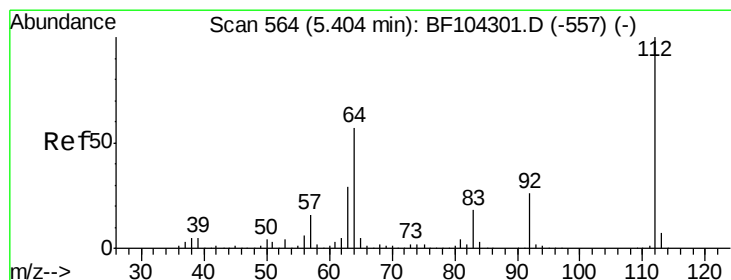
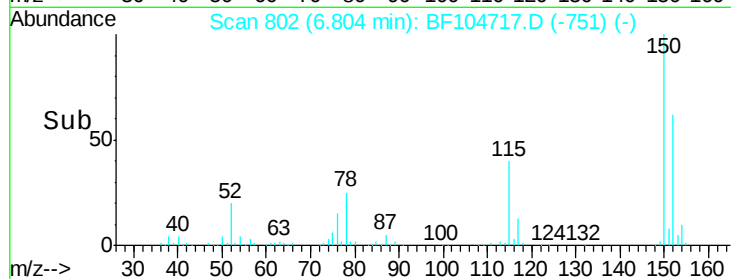
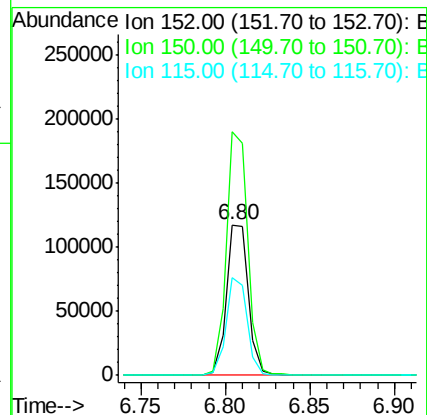
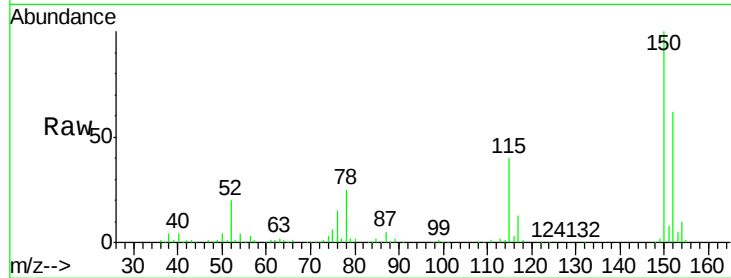


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. -0.00 min  
Lab File: BF104717.D  
Acq: 23 Apr 2018 18:41

Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-2-1-PPE

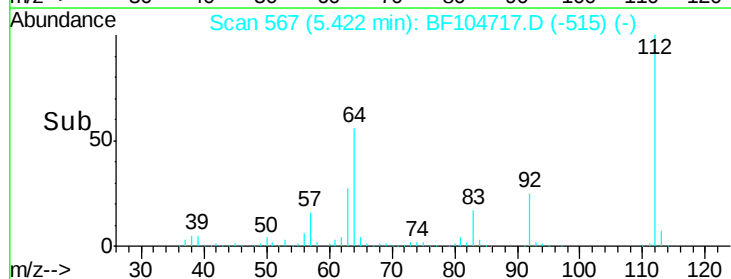
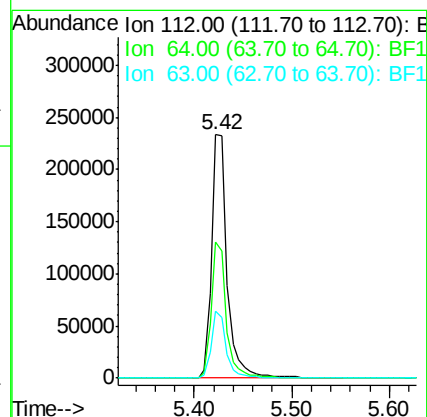
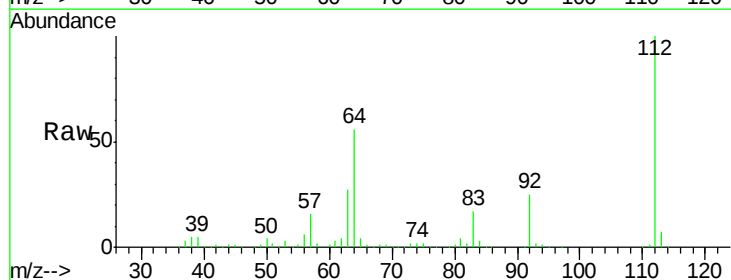
Tot Ion:152 Resp: 106048  
Ion Ratio Lower Upper  
152 100  
150 162.1 124.6 186.8  
115 65.4 50.1 75.1



#5

2-Fluorophenol  
Concen: 37.438 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF104717.D  
Acq: 23 Apr 2018 18:41

Tgt Ion:112 Resp: 259653  
Ion Ratio Lower Upper  
112 100  
64 55.8 47.9 71.9  
63 27.3 23.7 35.5





#7

Phenol-d6

Concen: 38.360 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104717.D

Acq: 23 Apr 2018 18:41

Instrument :

BNA\_F

ClientSampleId :

DRUM-2-1-PPE

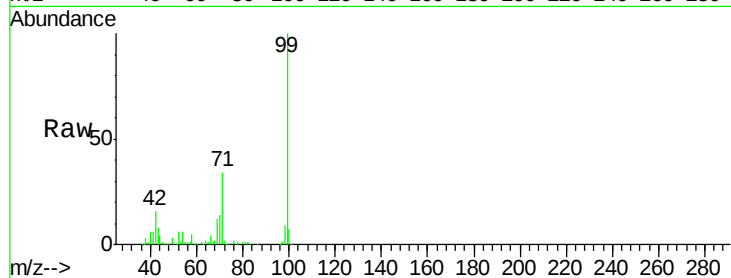
Tot Ion: 99 Resp: 326885

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

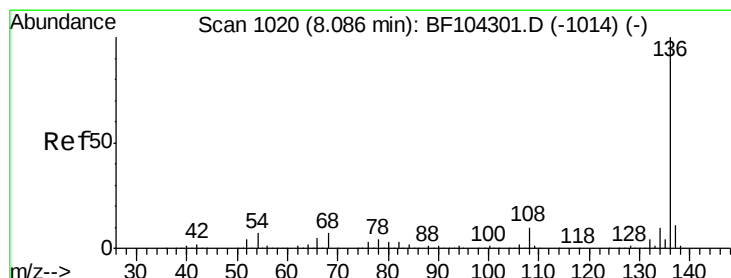
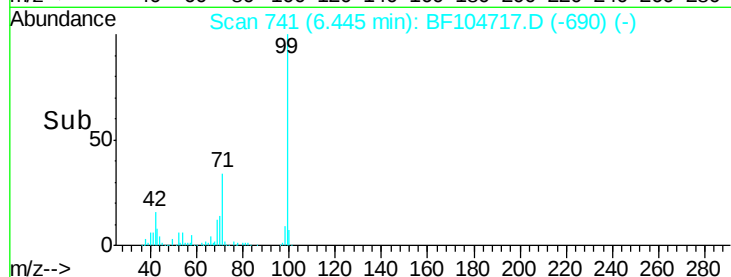
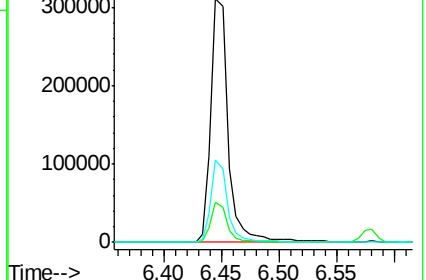
71 33.8 25.4 38.0



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: BF104717.D

Acq: 23 Apr 2018 18:41

Tgt Ion: 136 Resp: 422435

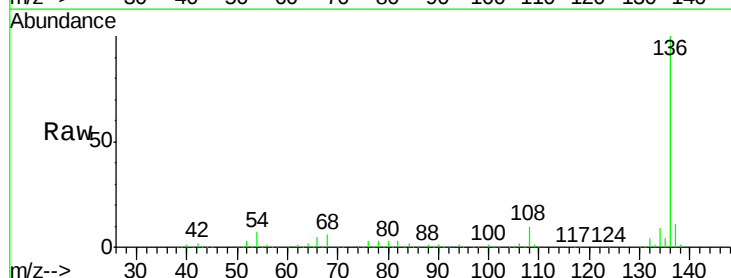
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 5.9 5.0 7.4

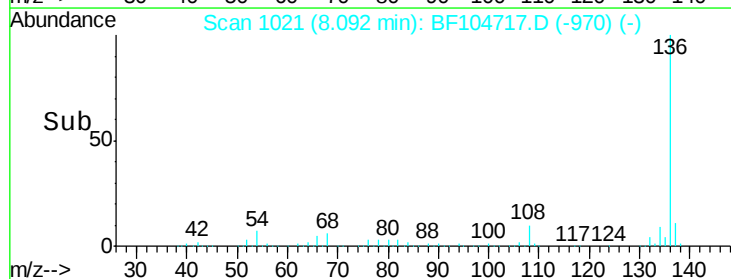
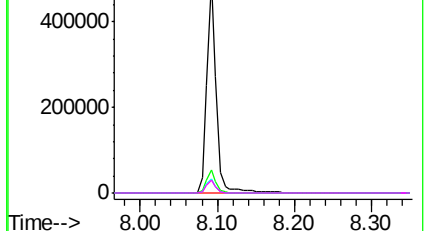


Abundance Ion 136.00 (135.70 to 136.70): E

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

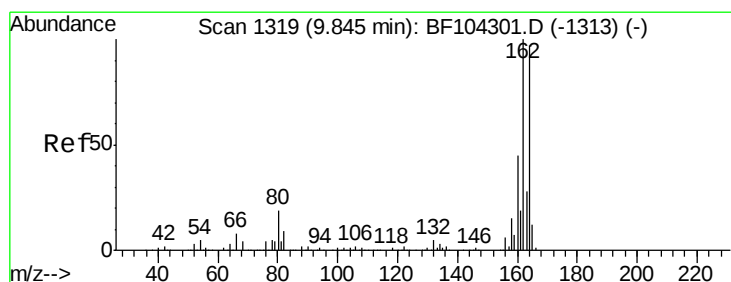
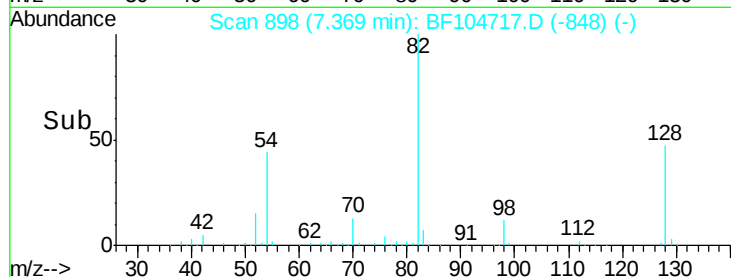
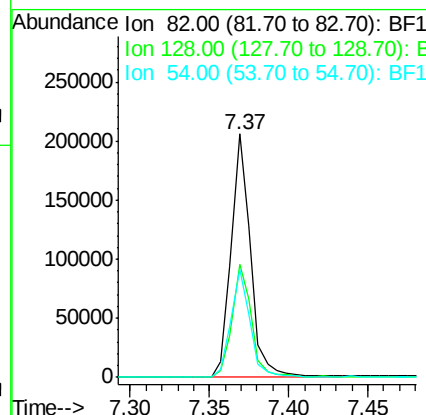
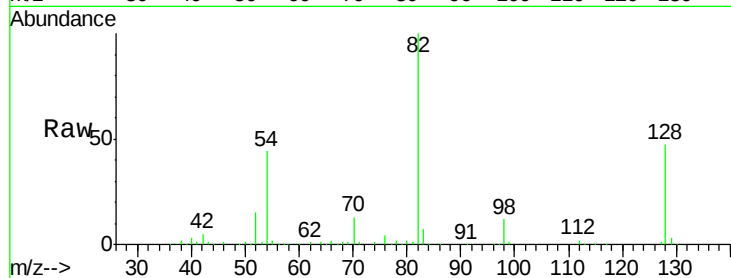




#23  
 Nitrobenzene-d5  
 Concen: 27.332 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: BF104717.D  
 Acq: 23 Apr 2018 18:41

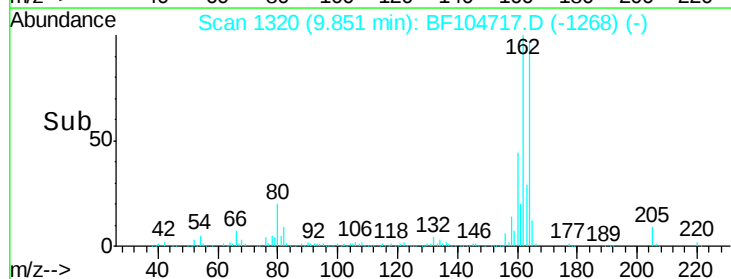
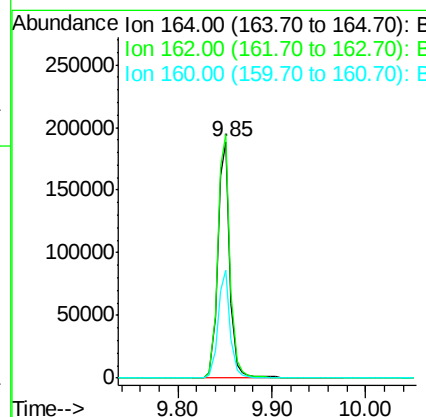
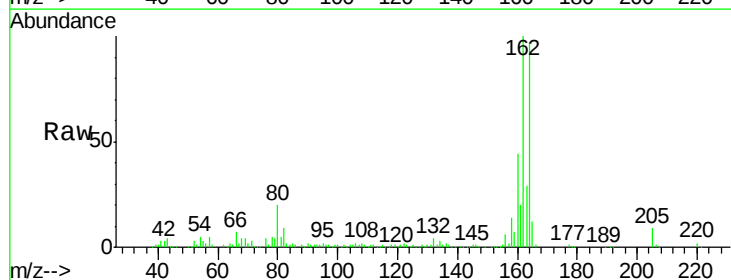
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRUM-2-1-PPE

Tot Ion: 82 Resp: 176823  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 36.1 54.1  
 54 44.3 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. 0.01 min  
 Lab File: BF104717.D  
 Acq: 23 Apr 2018 18:41

Tgt Ion:164 Resp: 173700  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 86.1 129.1  
 160 45.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 36.604 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104717.D

Acq: 23 Apr 2018 18:41

Instrument :

BNA\_F

ClientSampleId :

DRUM-2-1-PPE

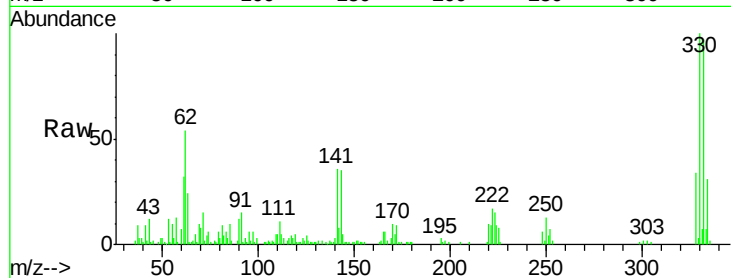
Tot Ion:330 Resp: 65955

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

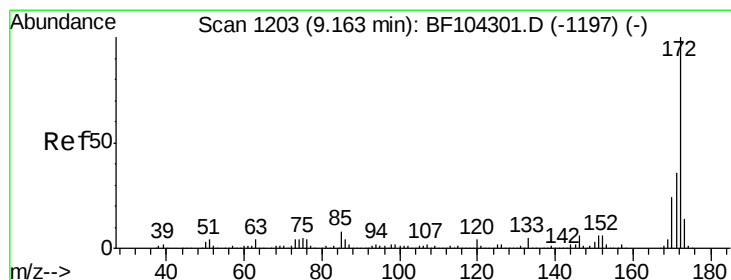
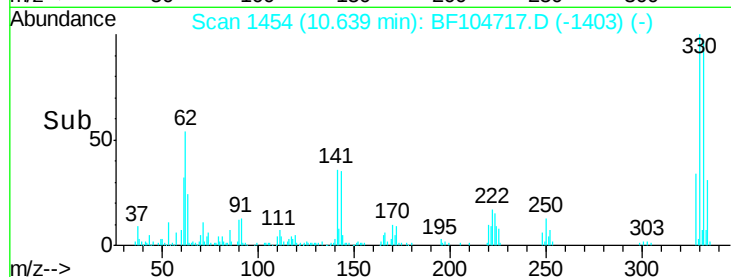
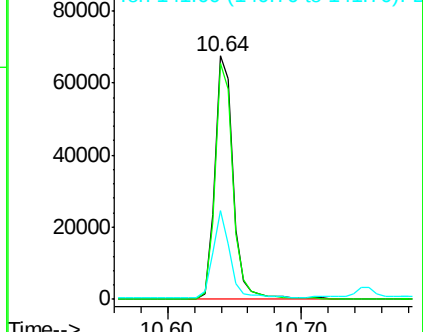
141 33.4 29.9 44.9



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: 36.003 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104717.D

Acq: 23 Apr 2018 18:41

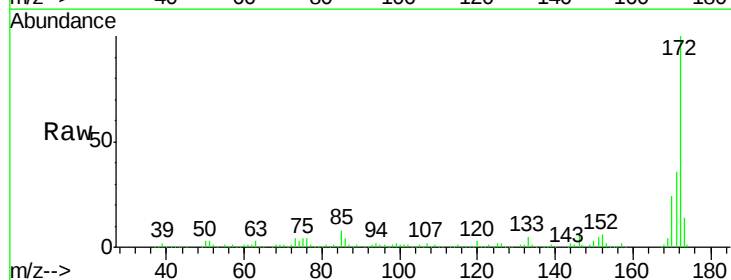
Tgt Ion:172 Resp: 395866

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

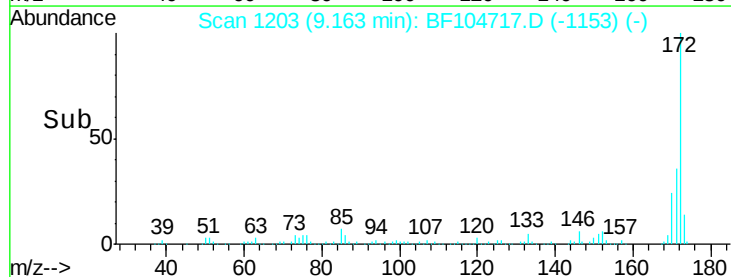
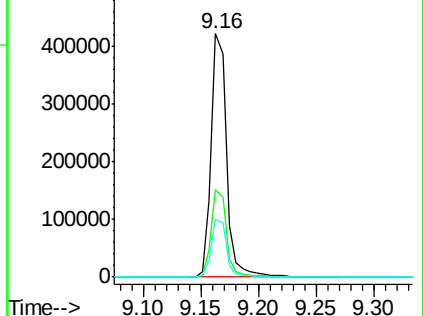
170 23.9 19.6 29.4

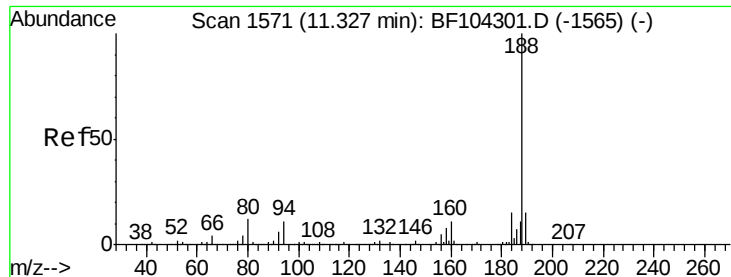


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

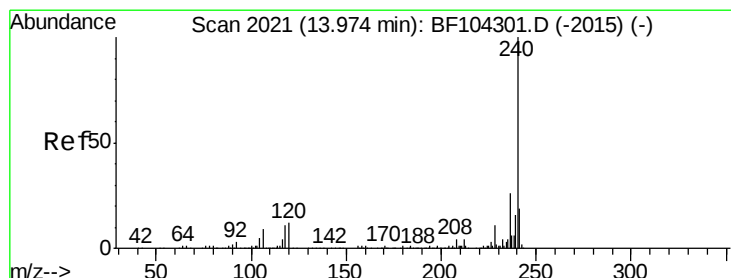
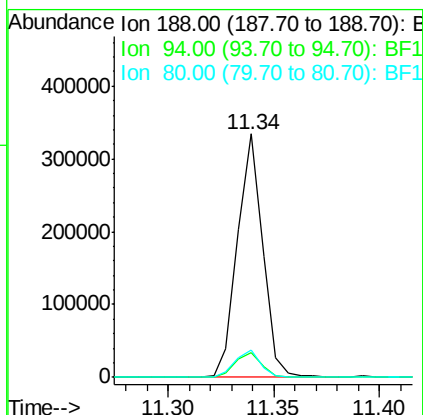
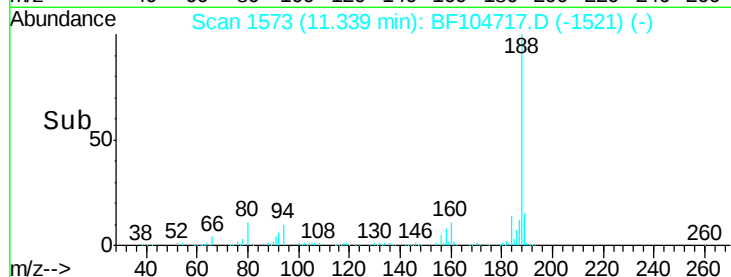
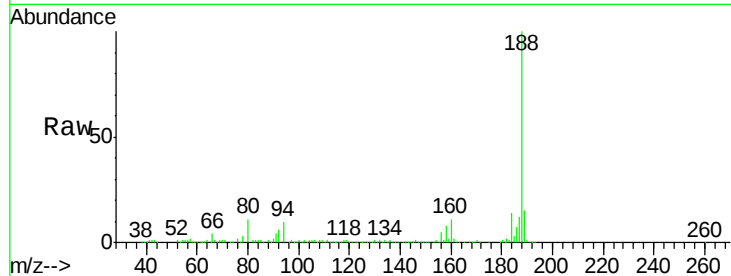




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. 0.01 min  
Lab File: BF104717.D  
Acq: 23 Apr 2018 18:41

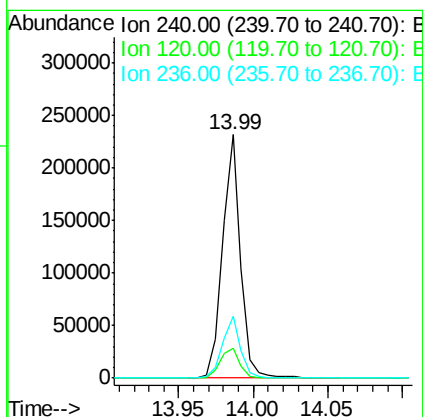
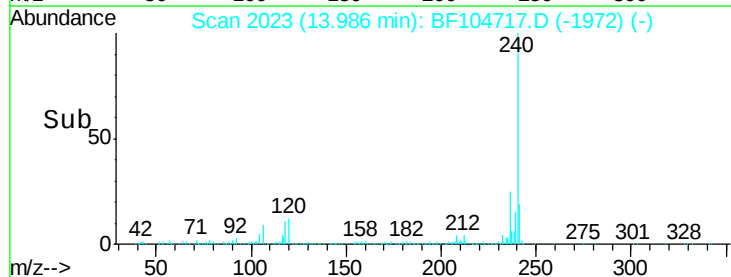
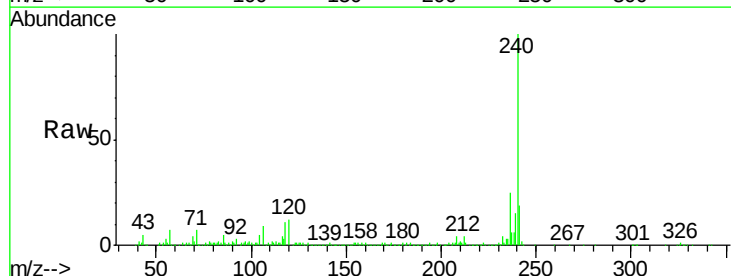
Instrument :  
BNA\_F  
ClientSampleId :  
DRUM-2-1-PPE

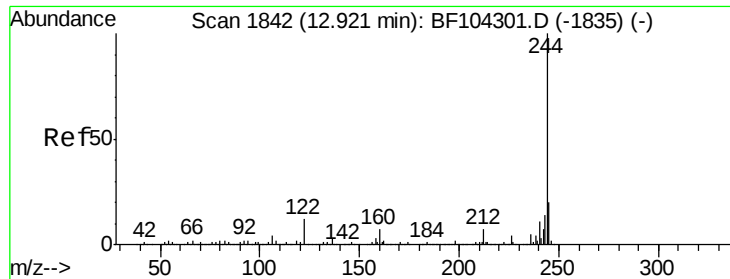
Tot Ion:188 Resp: 276324  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.5 12.7  
80 11.1 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.00 min  
Lab File: BF104717.D  
Acq: 23 Apr 2018 18:41

Tgt Ion:240 Resp: 197862  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.5 14.3  
236 25.4 20.7 31.1





#78

Terphenyl-d14

Concen: 38.628 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104717.D

Acq: 23 Apr 2018 18:41

Instrument :

BNA\_F

ClientSampleId :

DRUM-2-1-PPE

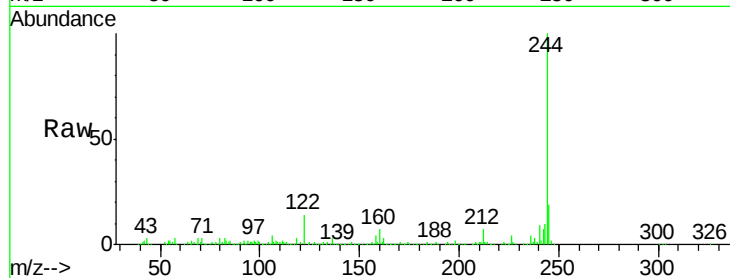
Tot Ion:244 Resp: 335242

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

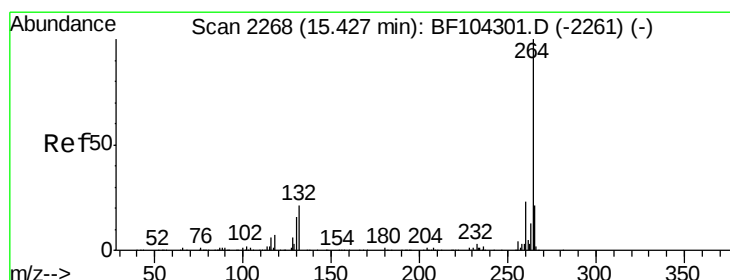
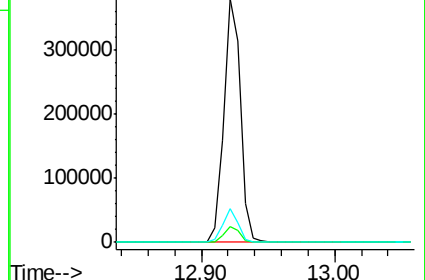
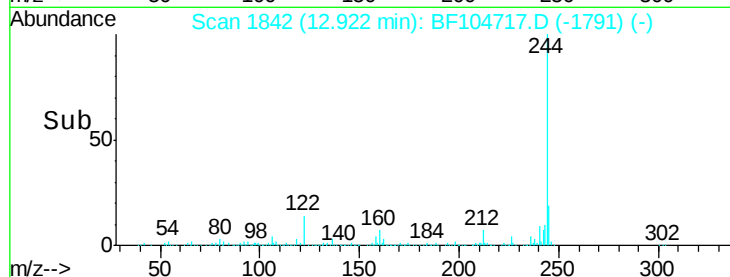
122 13.7 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF104717.D

Acq: 23 Apr 2018 18:41

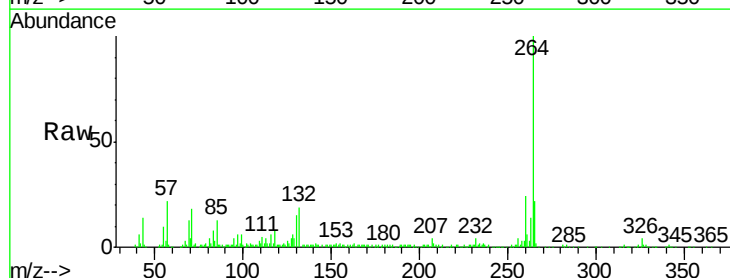
Tgt Ion:264 Resp: 145690

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.8 17.5 26.3



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

