

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\  
 Data File : BF112312.D  
 Acq On : 30 Jan 2019 9:45  
 Operator : JU/SJ  
 Sample : K1266-06  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

Quant Time: Jan 30 10:32:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 170027   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 636876   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.87  | 164  | 292232   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 507717   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.00 | 240  | 374639   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.47 | 264  | 358924   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 351238   | 43.88 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 257505   | 23.15 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 988607   | 89.44 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 278589   | 81.90 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1847189  | 89.40 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 1431336  | 71.96 | ng    | -0.01    |

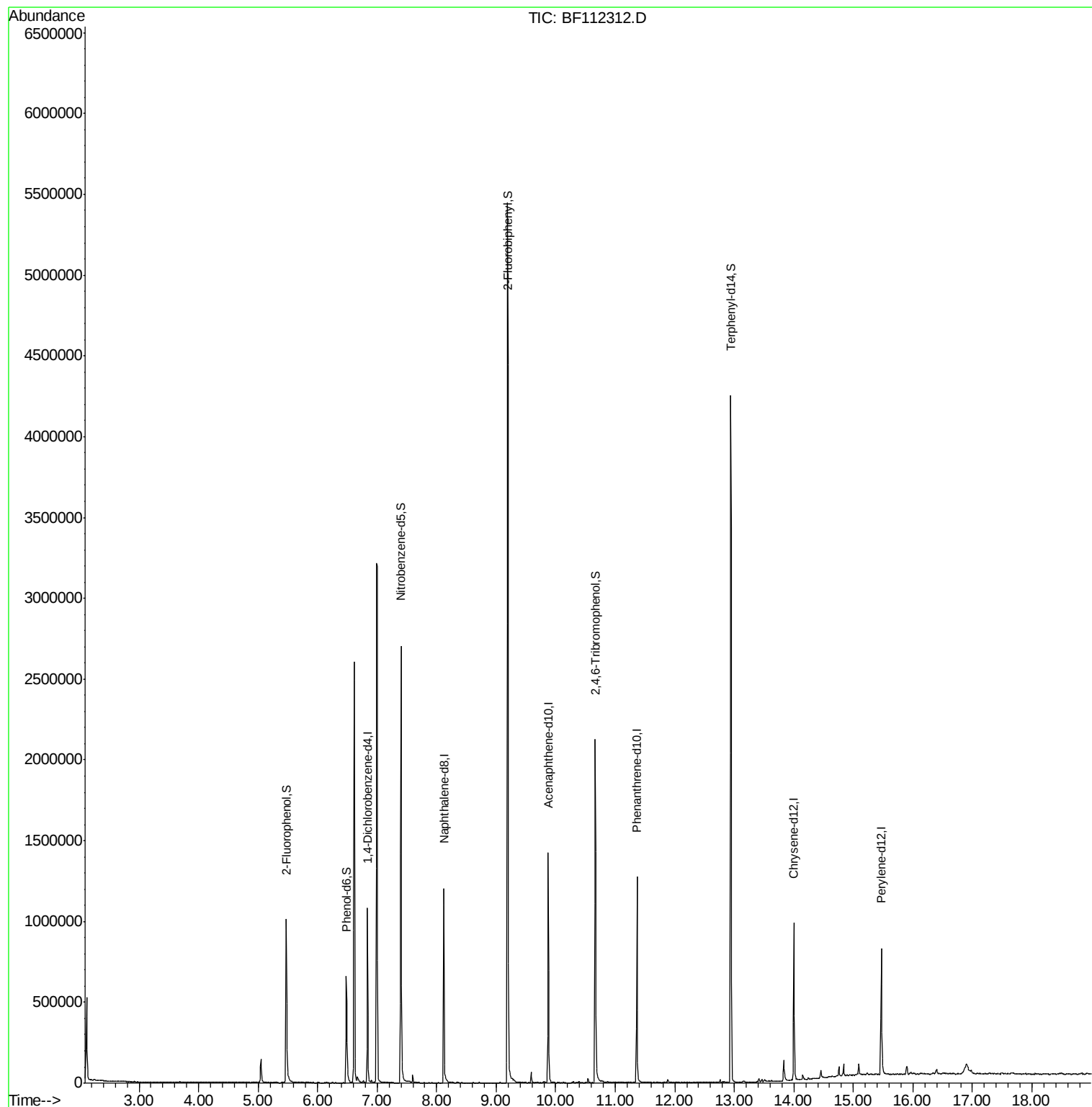
Target Compounds Qvalue

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

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QLast Update : Mon Jan 28 10:38:18 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112312.D

Acq: 30 Jan 2019 9:45

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-U-S

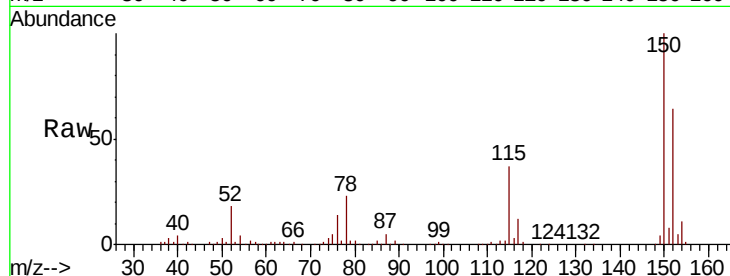
Tot Ion:152 Resp: 170027

Ion Ratio Lower Upper

152 100

150 156.0 127.4 191.0

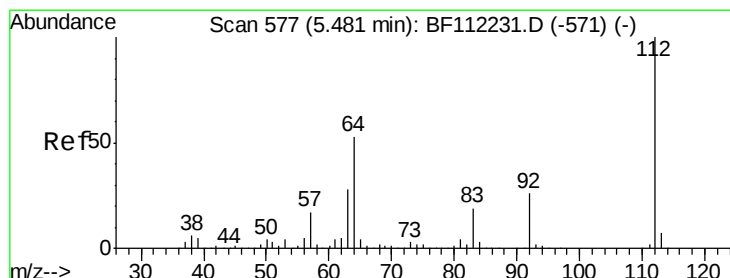
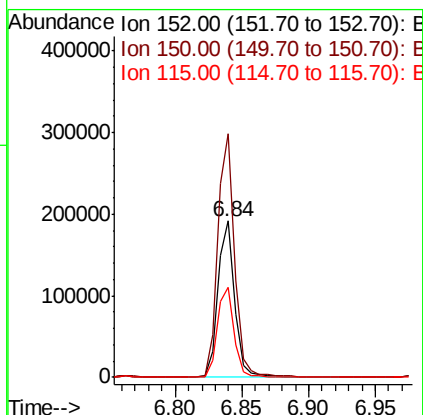
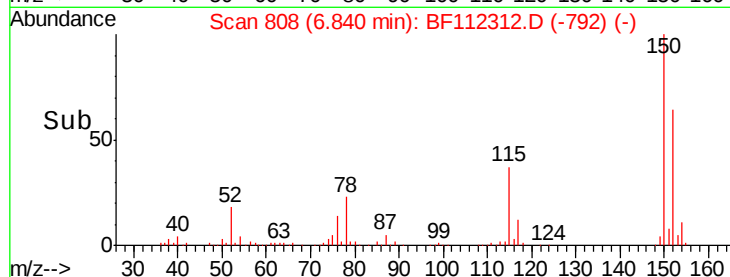
115 57.5 45.5 68.3



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: 43.878 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112312.D

Acq: 30 Jan 2019 9:45

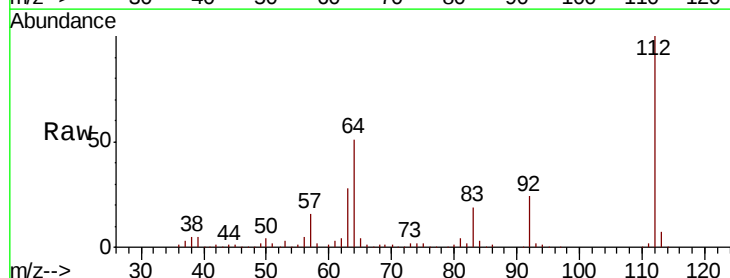
Tgt Ion:112 Resp: 351238

Ion Ratio Lower Upper

112 100

64 51.2 45.7 68.5

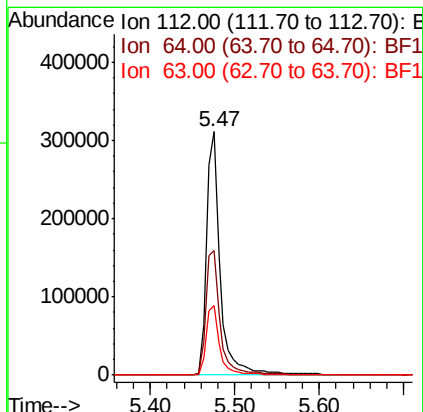
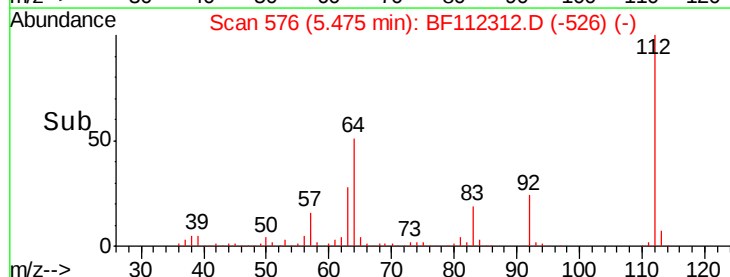
63 28.4 23.6 35.4



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: 23.151 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112312.D

Acq: 30 Jan 2019 9:45

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-U-S

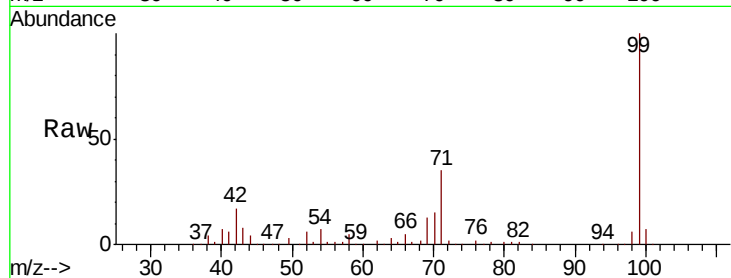
Tot Ion: 99 Resp: 257505

Ion Ratio Lower Upper

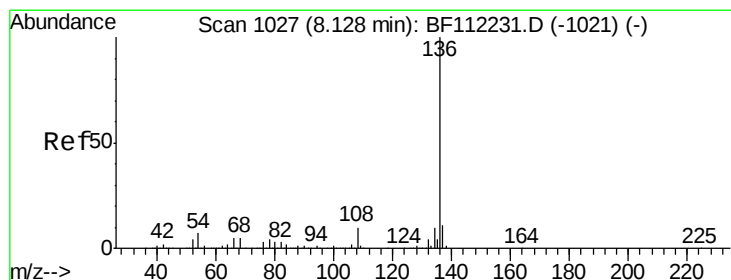
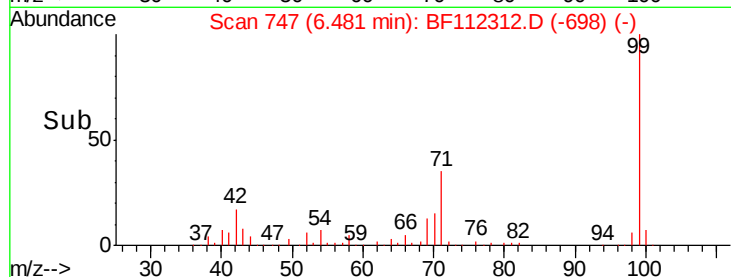
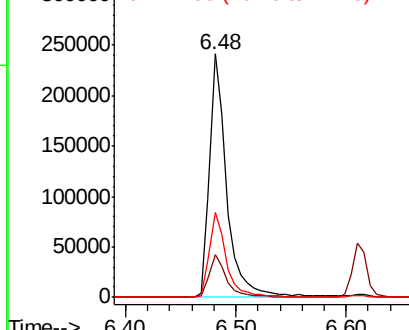
99 100

42 17.3 15.1 22.7

71 34.7 26.9 40.3



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112312.D

Acq: 30 Jan 2019 9:45

Tgt Ion: 136 Resp: 636876

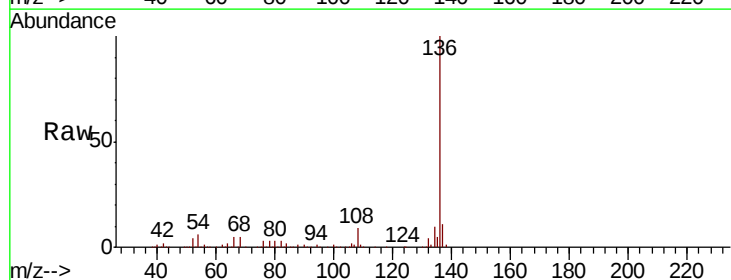
Ion Ratio Lower Upper

136 100

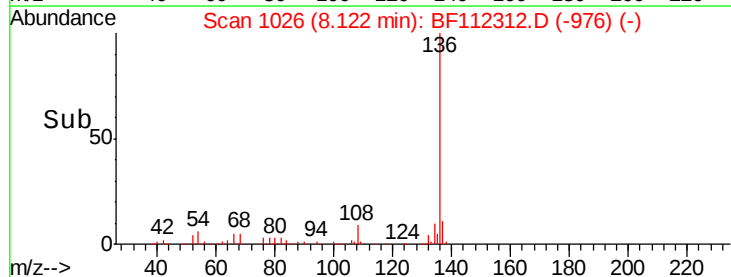
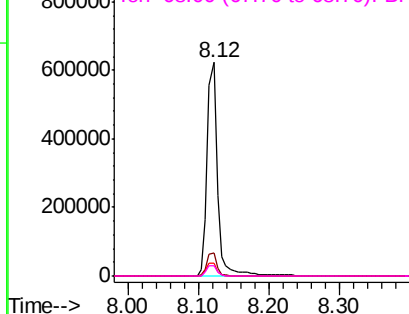
137 10.6 9.1 13.7

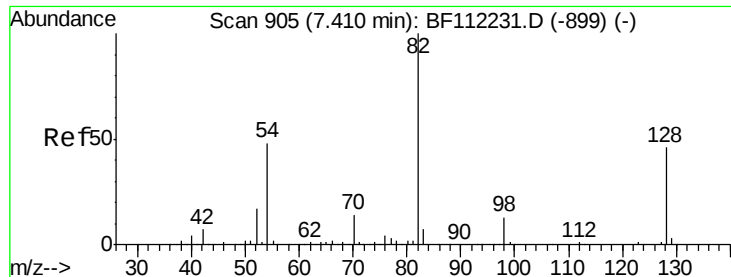
54 6.0 5.9 8.9

68 4.7 5.1 7.7#



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

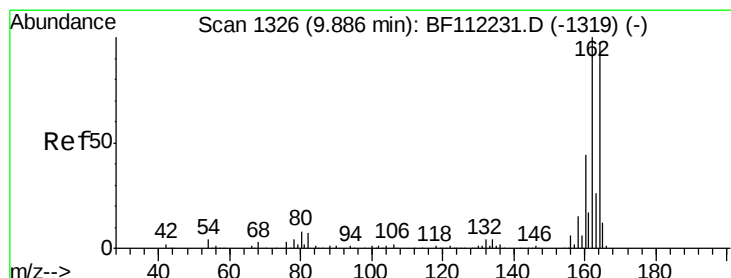
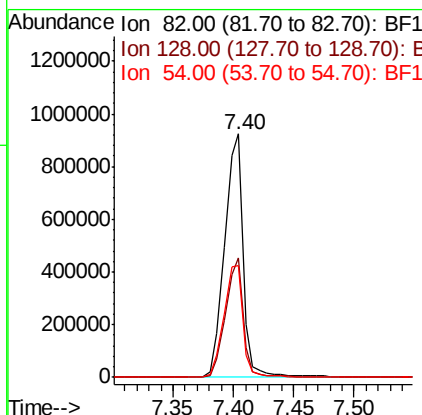
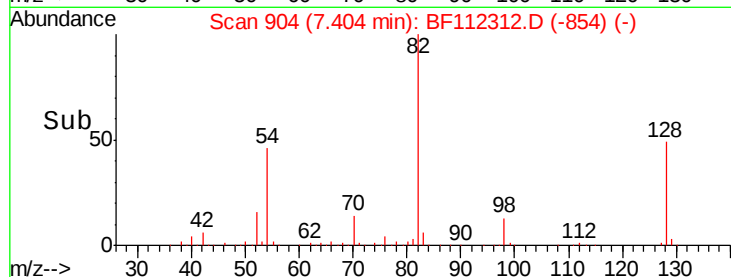
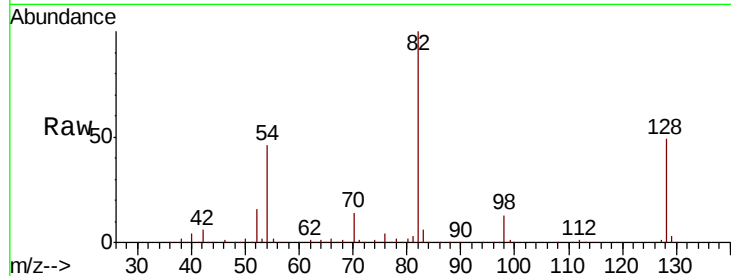




#23  
 Nitrobenzene-d5  
 Concen: 89.442 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF112312.D  
 Acq: 30 Jan 2019 9:45

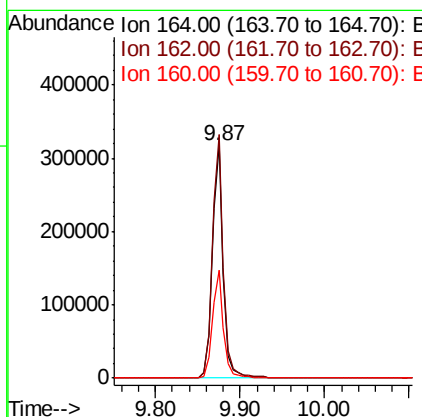
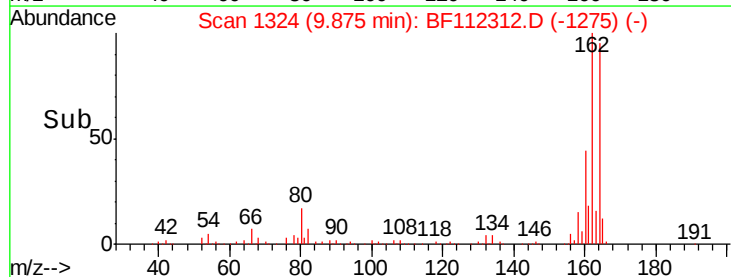
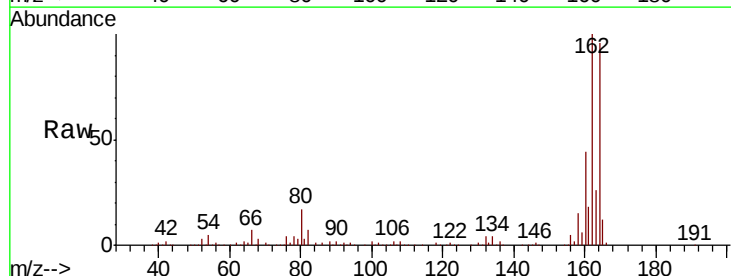
Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

| Tot Ion   | 82   | Resp  | 988607 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 49.2 | 37.8  | 56.8   |
| 54        | 46.0 | 39.7  | 59.5   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF112312.D  
 Acq: 30 Jan 2019 9:45

| Tgt Ion   | 164   | Resp  | 292232 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 104.3 | 82.2  | 123.4  |
| 160       | 46.3  | 36.2  | 54.4   |





#42

2,4,6-Tribromophenol

Concen: 81.902 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112312.D

Acq: 30 Jan 2019 9:45

Instrument :

BNA\_F

ClientSampleId :

012519-SIDI-E-U-S

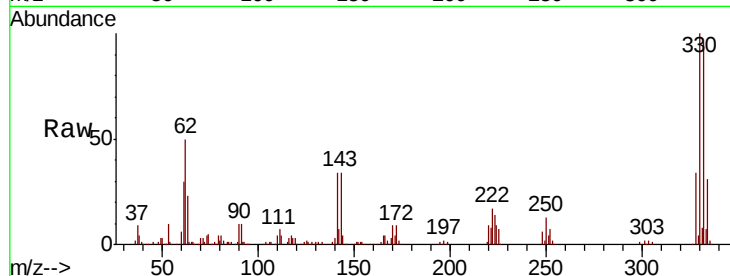
Tot Ion:330 Resp: 278589

Ion Ratio Lower Upper

330 100

332 99.0 76.6 114.8

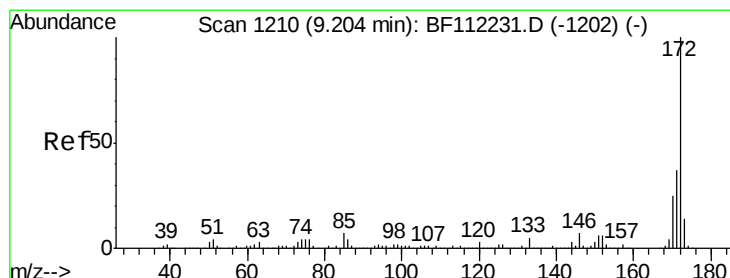
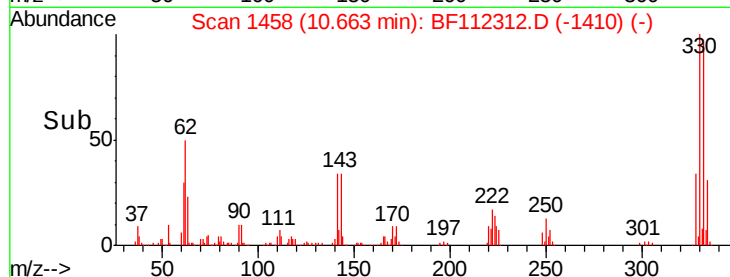
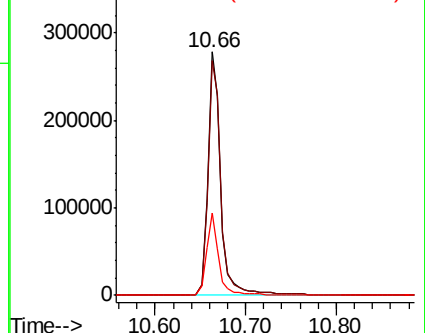
141 32.2 24.3 36.5



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



#45

2-Fluorobiphenyl

Concen: 89.400 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112312.D

Acq: 30 Jan 2019 9:45

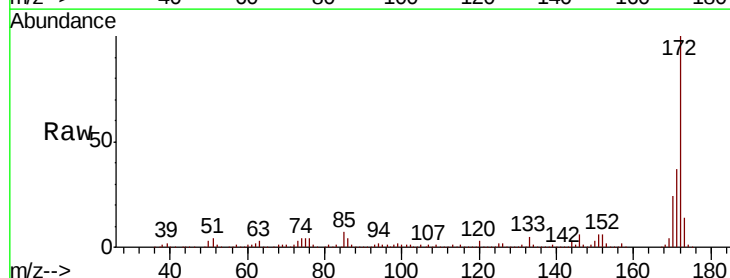
Tgt Ion:172 Resp: 1847189

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

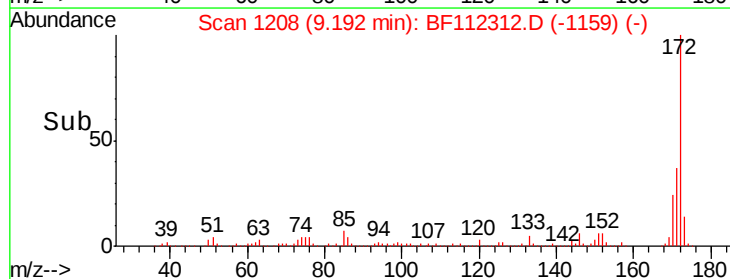
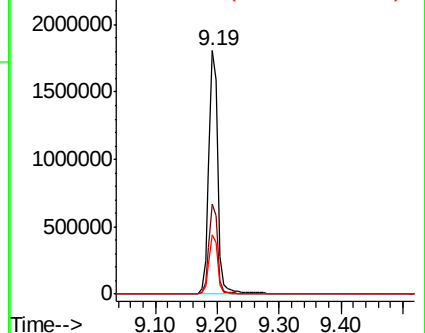
170 24.1 20.2 30.4



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

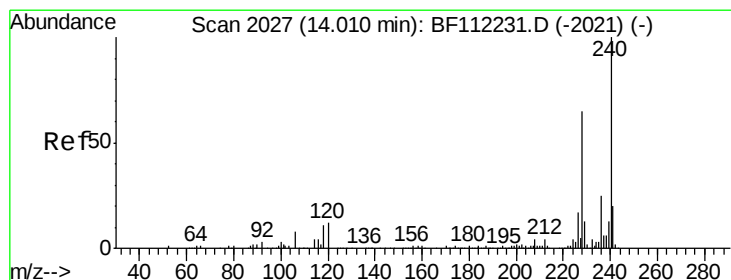
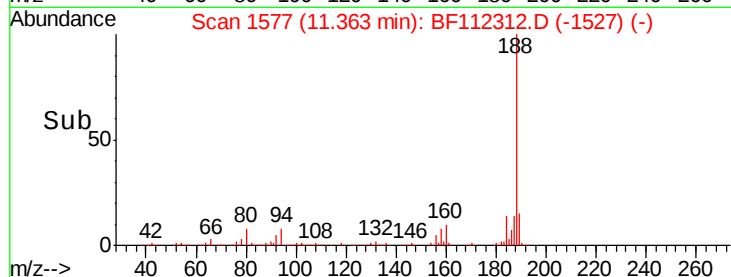
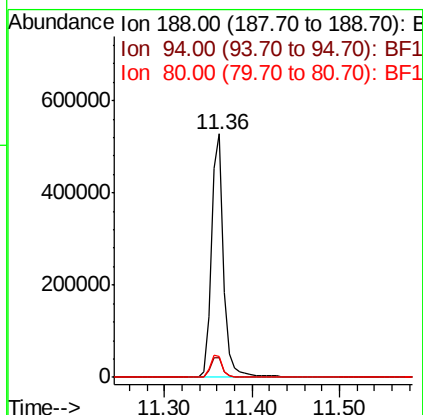
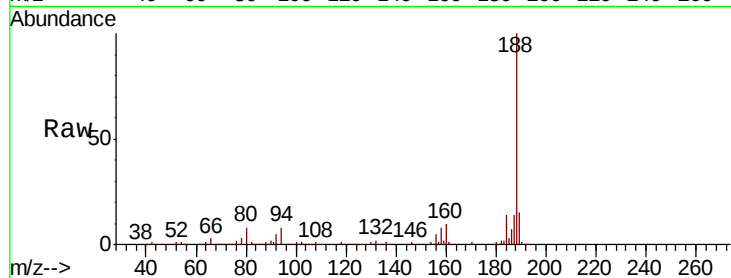




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF112312.D  
Acq: 30 Jan 2019 9:45

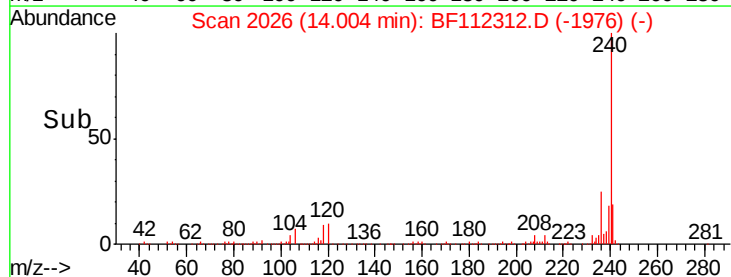
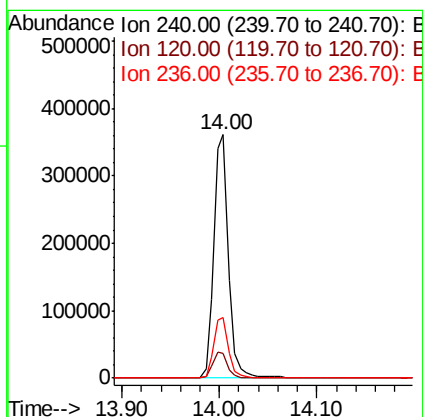
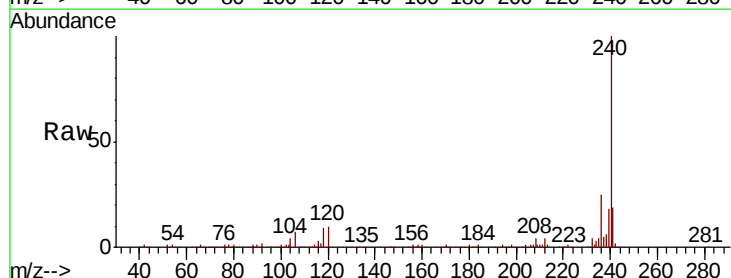
Instrument :  
BNA\_F  
ClientSampleId :  
012519-SIDI-E-U-S

Tot Ion:188 Resp: 507717  
Ion Ratio Lower Upper  
188 100  
94 7.9 8.2 12.2#  
80 8.4 8.9 13.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF112312.D  
Acq: 30 Jan 2019 9:45

Tgt Ion:240 Resp: 374639  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.0 13.6  
236 25.0 20.7 31.1

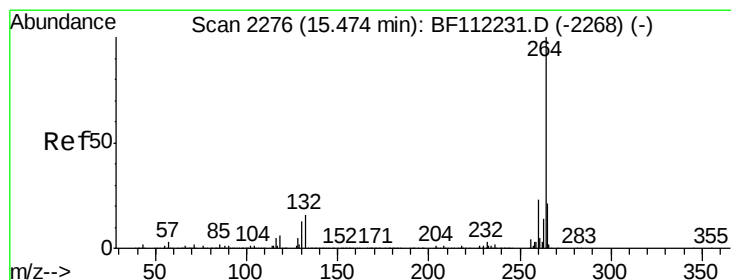
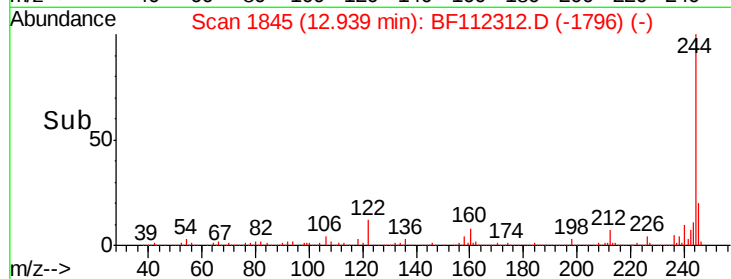
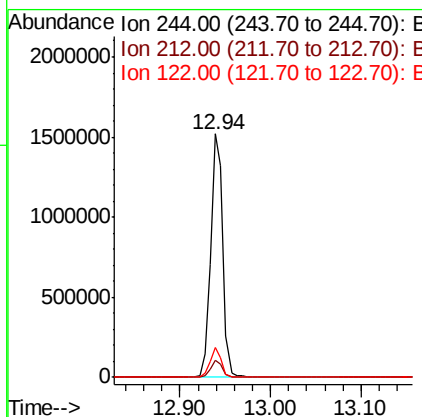
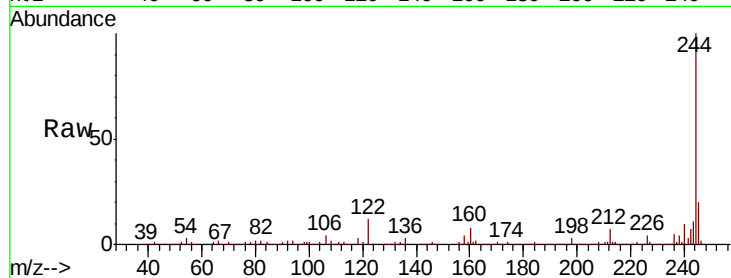




#79  
 Terphenyl-d14  
 Concen: 71.958 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BF112312.D  
 Acq: 30 Jan 2019 9:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 012519-SIDI-E-U-S

Tot Ion:244 Resp: 1431336  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.9 8.9  
 122 12.2 9.8 14.6



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. -0.01 min  
 Lab File: BF112312.D  
 Acq: 30 Jan 2019 9:45

Tgt Ion:264 Resp: 358924  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.2 27.2  
 265 23.0 17.0 25.4

