

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\  
 Data File : BF116222.D  
 Acq On : 13 Aug 2019 10:56  
 Operator : HP/JU  
 Sample : PB122176BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122176BL

Quant Time: Aug 13 23:36:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 136336   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.12  | 136  | 528318   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.87  | 164  | 283176   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 501425   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.00 | 240  | 357304   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.47 | 264  | 329732   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1013611  | 124.46 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 1325307  | 128.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 863482   | 94.34  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 361584   | 131.70 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1481213  | 97.98  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 1635725  | 96.47  | ng    | 0.00     |

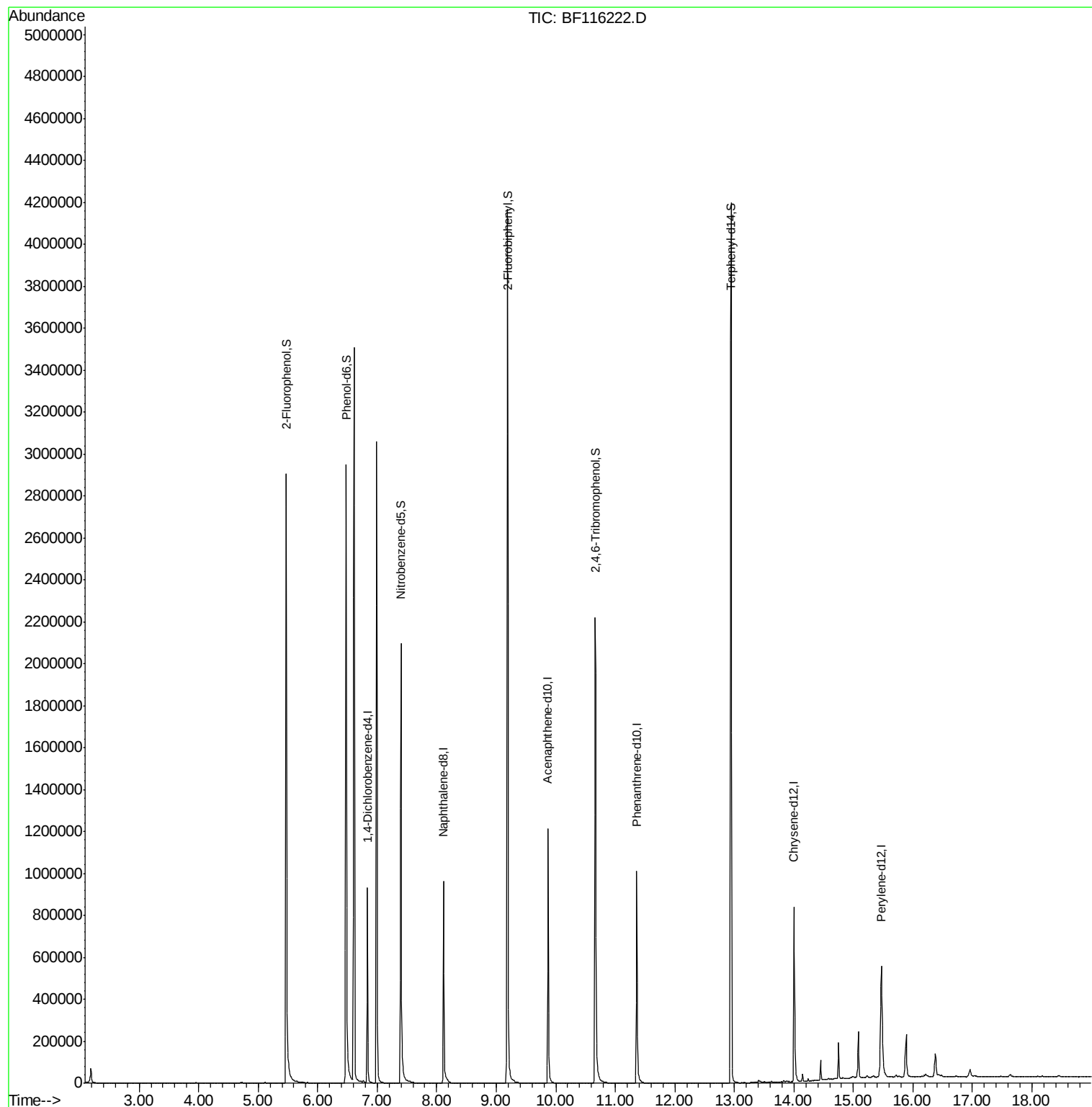
Target Compounds Qvalue

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

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Response via : Initial Calibration



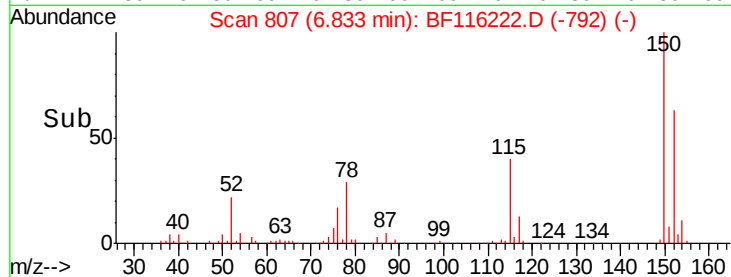
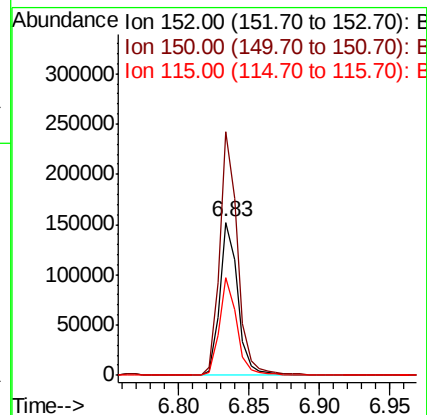
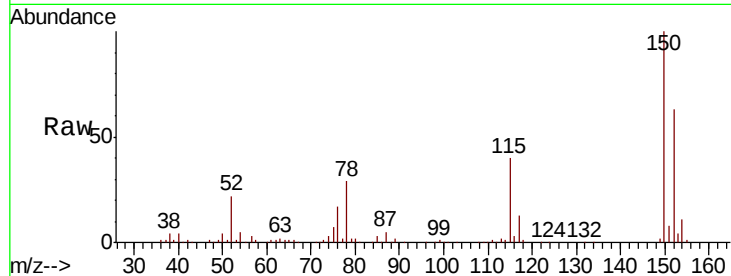


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF116222.D  
Acq: 13 Aug 2019 10:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB122176BL

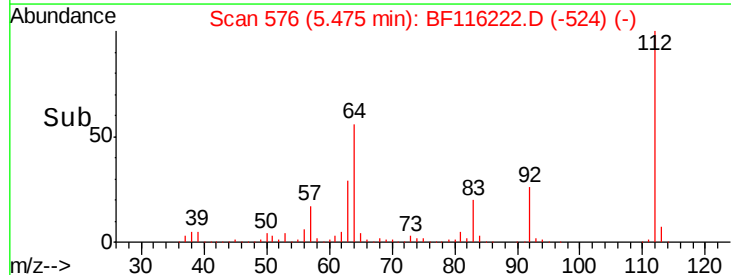
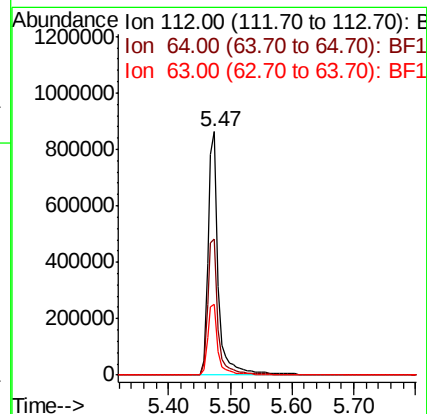
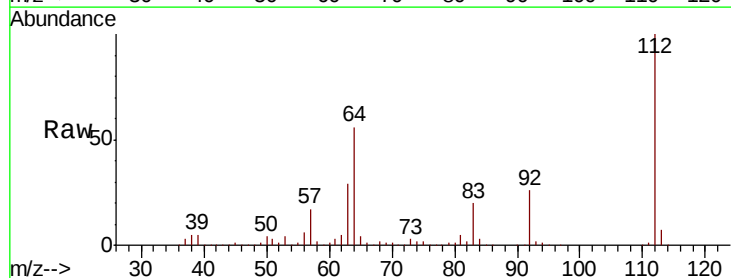
Tot Ion:152 Resp: 136336  
Ion Ratio Lower Upper  
152 100  
150 159.2 126.2 189.2  
115 63.8 49.9 74.9



#5

2-Fluorophenol  
Concen: 124.461 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.01 min  
Lab File: BF116222.D  
Acq: 13 Aug 2019 10:56

Tgt Ion:112 Resp: 1013611  
Ion Ratio Lower Upper  
112 100  
64 56.1 45.4 68.2  
63 29.1 23.7 35.5





#7

Phenol-d6

Concen: 128.982 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116222.D

Acq: 13 Aug 2019 10:56

Instrument :

BNA\_F

ClientSampleId :

PB122176BL

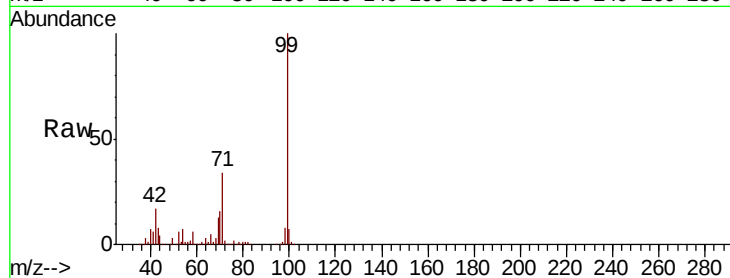
Tot Ion: 99 Resp: 1325307

Ion Ratio Lower Upper

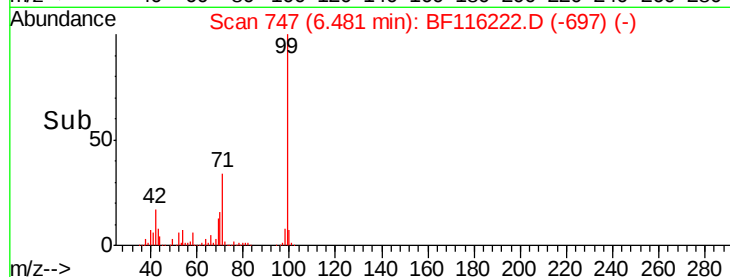
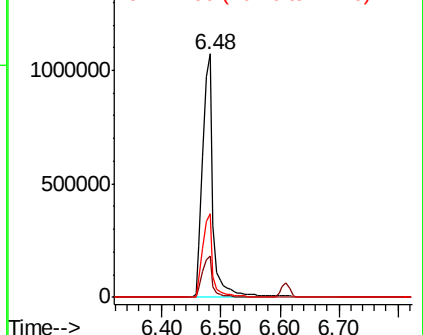
99 100

42 16.8 13.8 20.8

71 34.5 27.3 40.9



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# 1025

Delta R.T. -0.01 min

Lab File: BF116222.D

Acq: 13 Aug 2019 10:56

Tgt Ion: 136 Resp: 528318

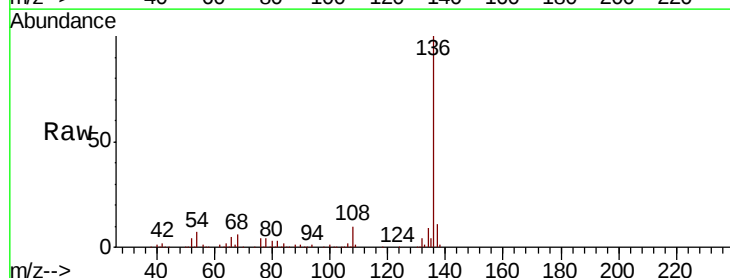
Ion Ratio Lower Upper

136 100

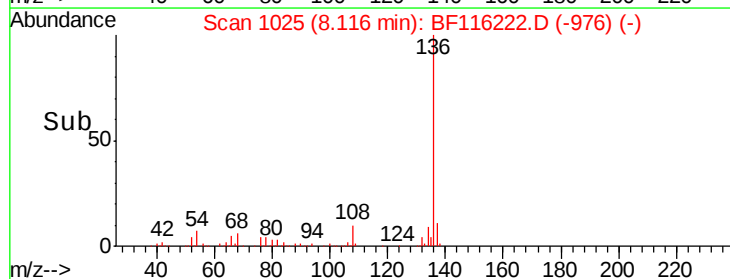
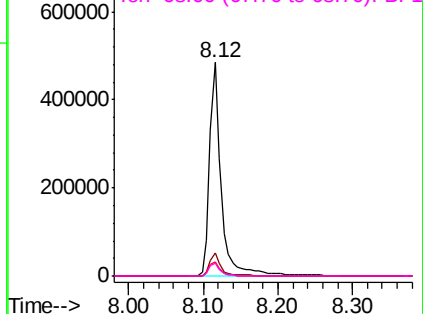
137 11.0 9.0 13.4

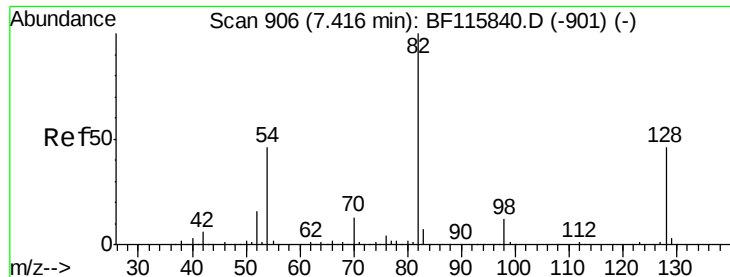
54 6.8 5.8 8.6

68 6.2 5.2 7.8



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

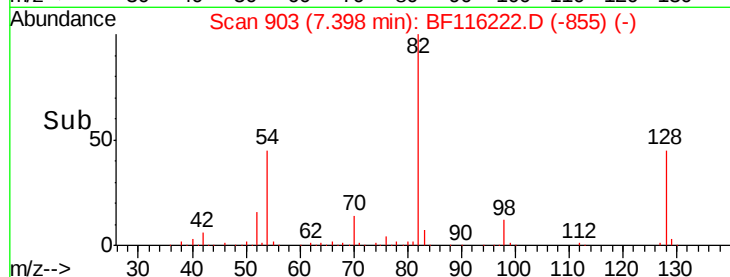
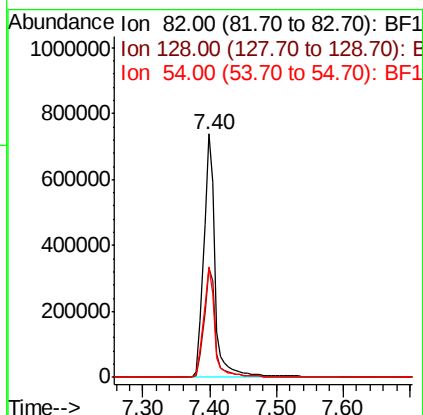
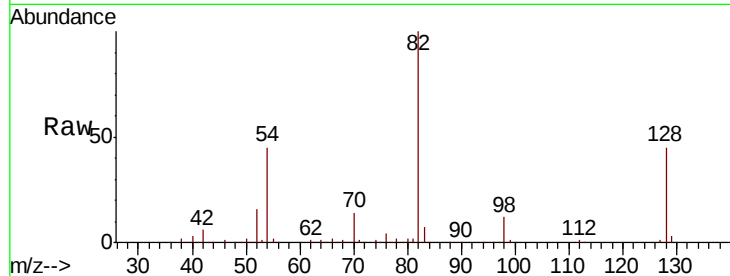




#23  
 Nitrobenzene-d5  
 Concen: 94.343 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.02 min  
 Lab File: BF116222.D  
 Acq: 13 Aug 2019 10:56

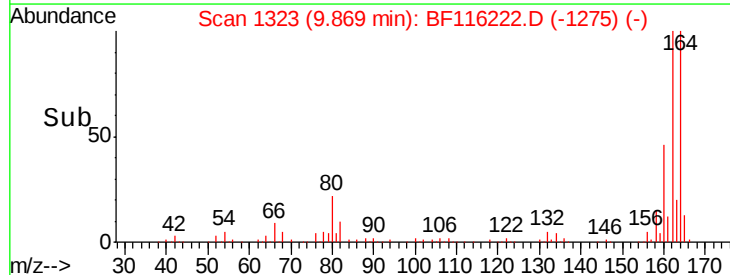
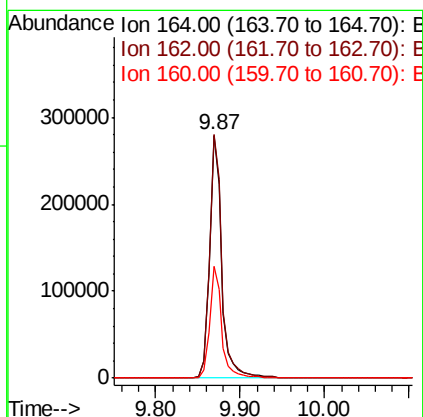
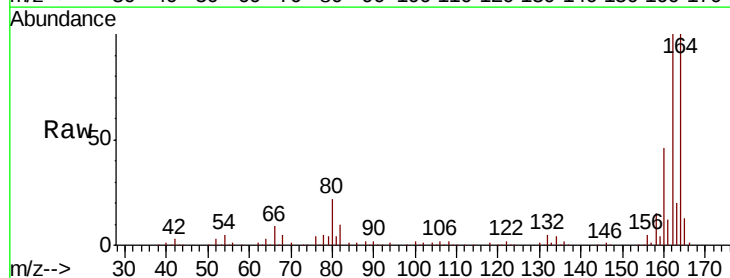
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122176BL

Tot Ion: 82 Resp: 863482  
 Ion Ratio Lower Upper  
 82 100  
 128 44.6 36.5 54.7  
 54 45.5 36.0 54.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.02 min  
 Lab File: BF116222.D  
 Acq: 13 Aug 2019 10:56

Tgt Ion: 164 Resp: 283176  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 82.6 124.0  
 160 45.8 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 131.702 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116222.D

Acq: 13 Aug 2019 10:56

Instrument :

BNA\_F

ClientSampleId :

PB122176BL

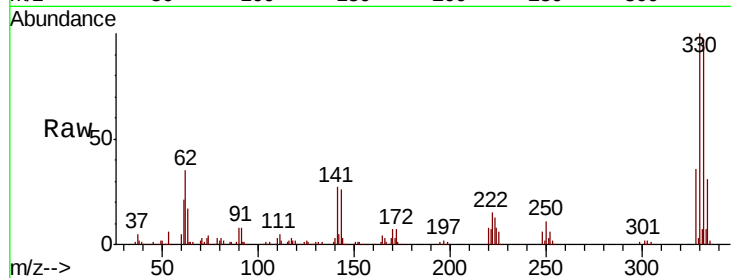
Tot Ion:330 Resp: 361584

Ion Ratio Lower Upper

330 100

332 94.7 76.8 115.2

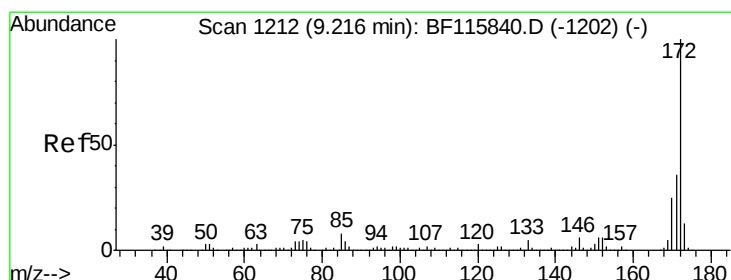
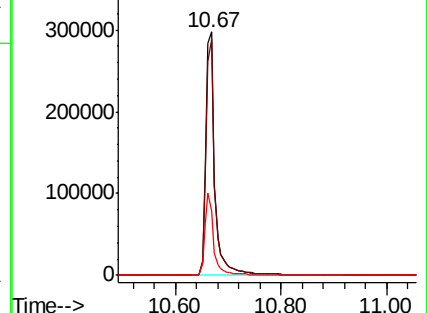
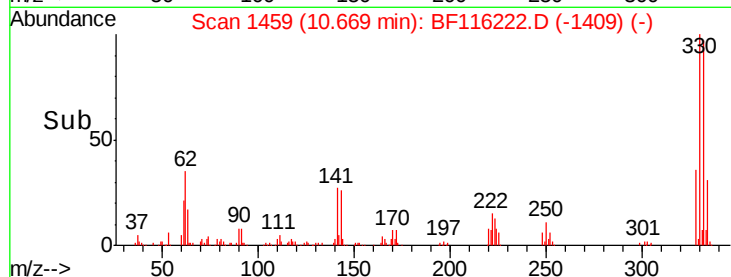
141 32.8 26.3 39.5



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: 97.975 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116222.D

Acq: 13 Aug 2019 10:56

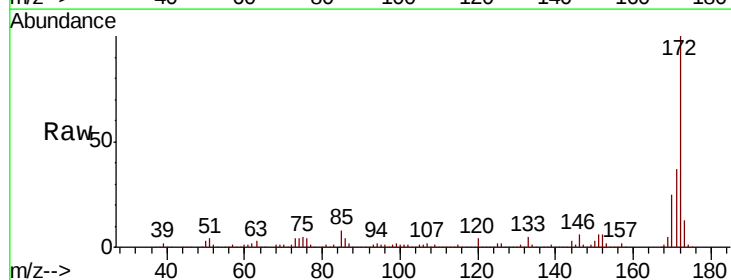
Tgt Ion:172 Resp: 1481213

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

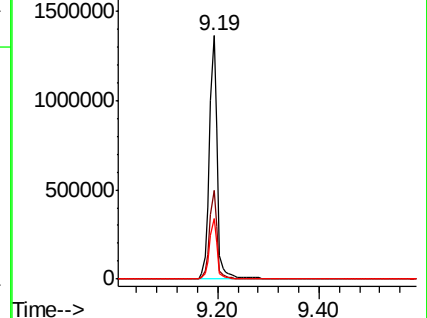
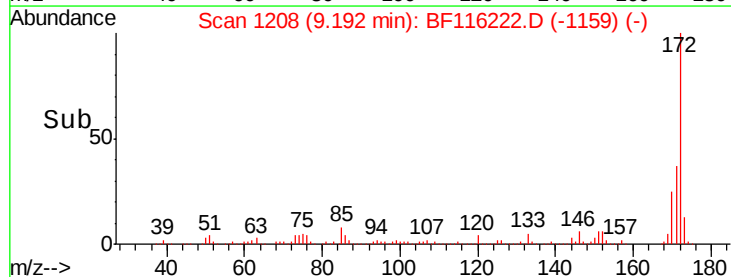
170 24.8 20.1 30.1

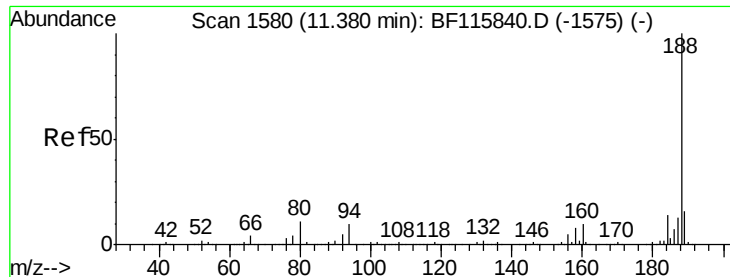


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

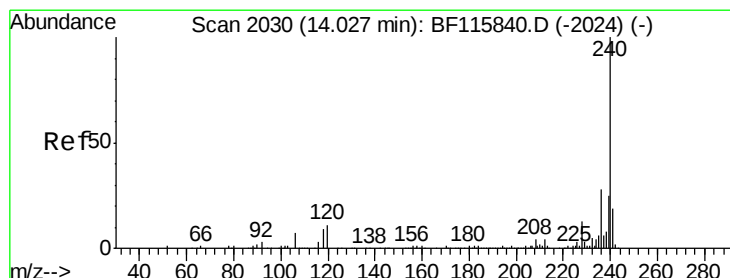
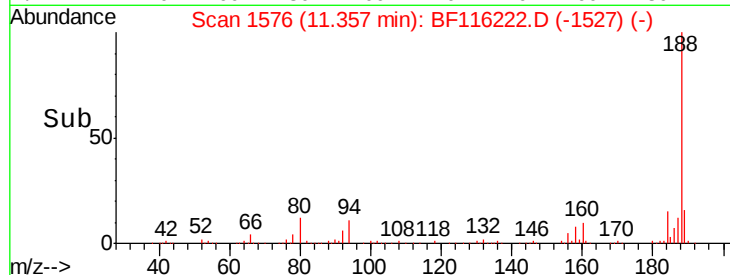
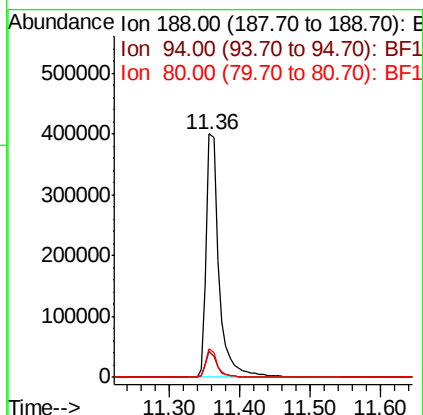
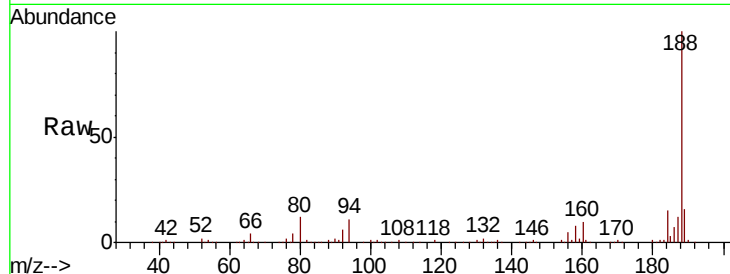




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF116222.D  
Acq: 13 Aug 2019 10:56

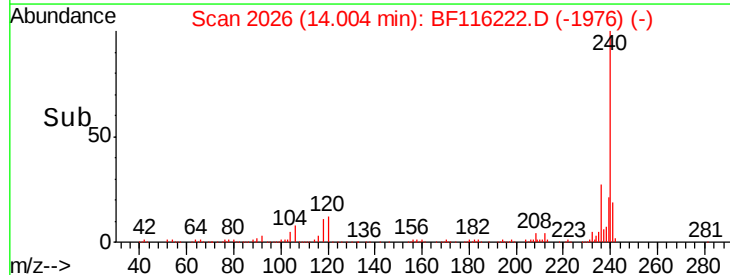
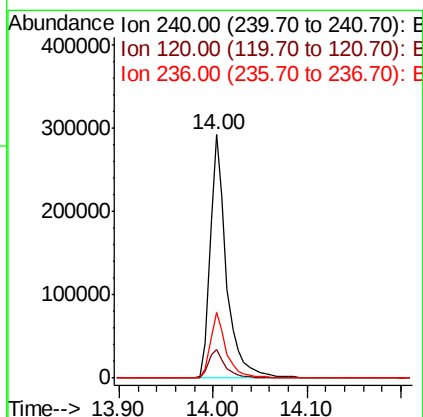
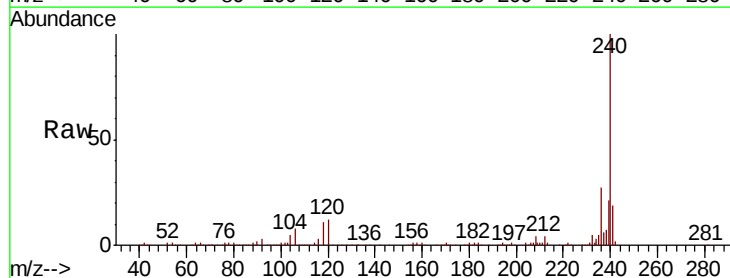
Instrument :  
BNA\_F  
ClientSampled :  
PB122176BL

Tot Ion:188 Resp: 501425  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.1 12.1  
80 11.7 8.7 13.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF116222.D  
Acq: 13 Aug 2019 10:56

Tgt Ion:240 Resp: 357304  
Ion Ratio Lower Upper  
240 100  
120 11.9 10.7 16.1  
236 27.0 22.2 33.2

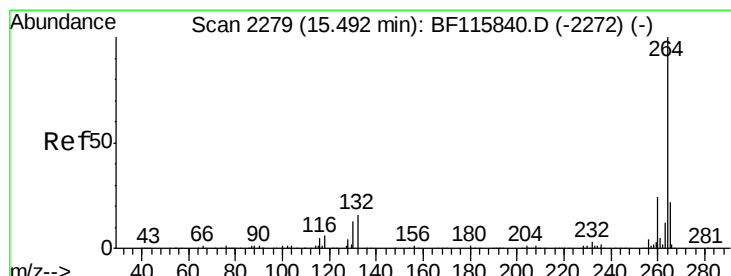
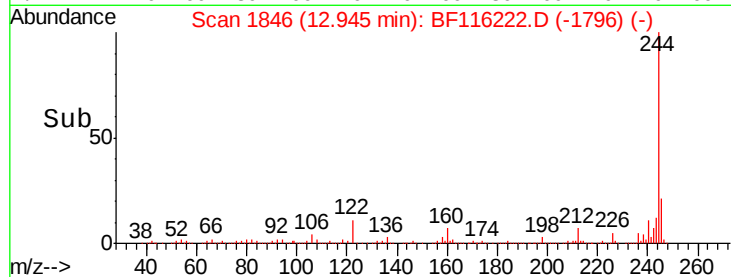
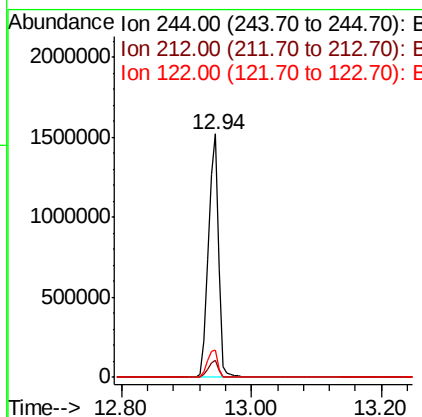
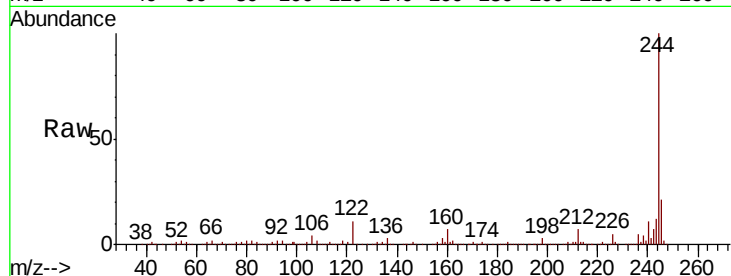




#79  
 Terphenyl-d14  
 Concen: 96.465 ng  
 RT: 12.94 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF116222.D  
 Acq: 13 Aug 2019 10:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB122176BL

Tot Ion:244 Resp: 1635725  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.8  
 122 11.0 9.0 13.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2276  
 Delta R.T. -0.00 min  
 Lab File: BF116222.D  
 Acq: 13 Aug 2019 10:56

Tgt Ion:264 Resp: 329732  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.7 29.5  
 265 21.8 17.4 26.0

