

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\  
 Data File : BF116081.D  
 Acq On : 8 Aug 2019 21:38  
 Operator : HP/JU  
 Sample : K4129-20  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2S-E1-E4-(30)COMP

Quant Time: Aug 09 16:28:28 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   | 6.84  | 152  | 125738   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 495563   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.87  | 164  | 269748   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 506333   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.00 | 240  | 448855   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.46 | 264  | 425978   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 844444   | 112.43 | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 989877   | 104.46 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 789923   | 92.01  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 370249   | 141.57 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1359629  | 94.41  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 1758958  | 82.57  | ng    | 0.00     |

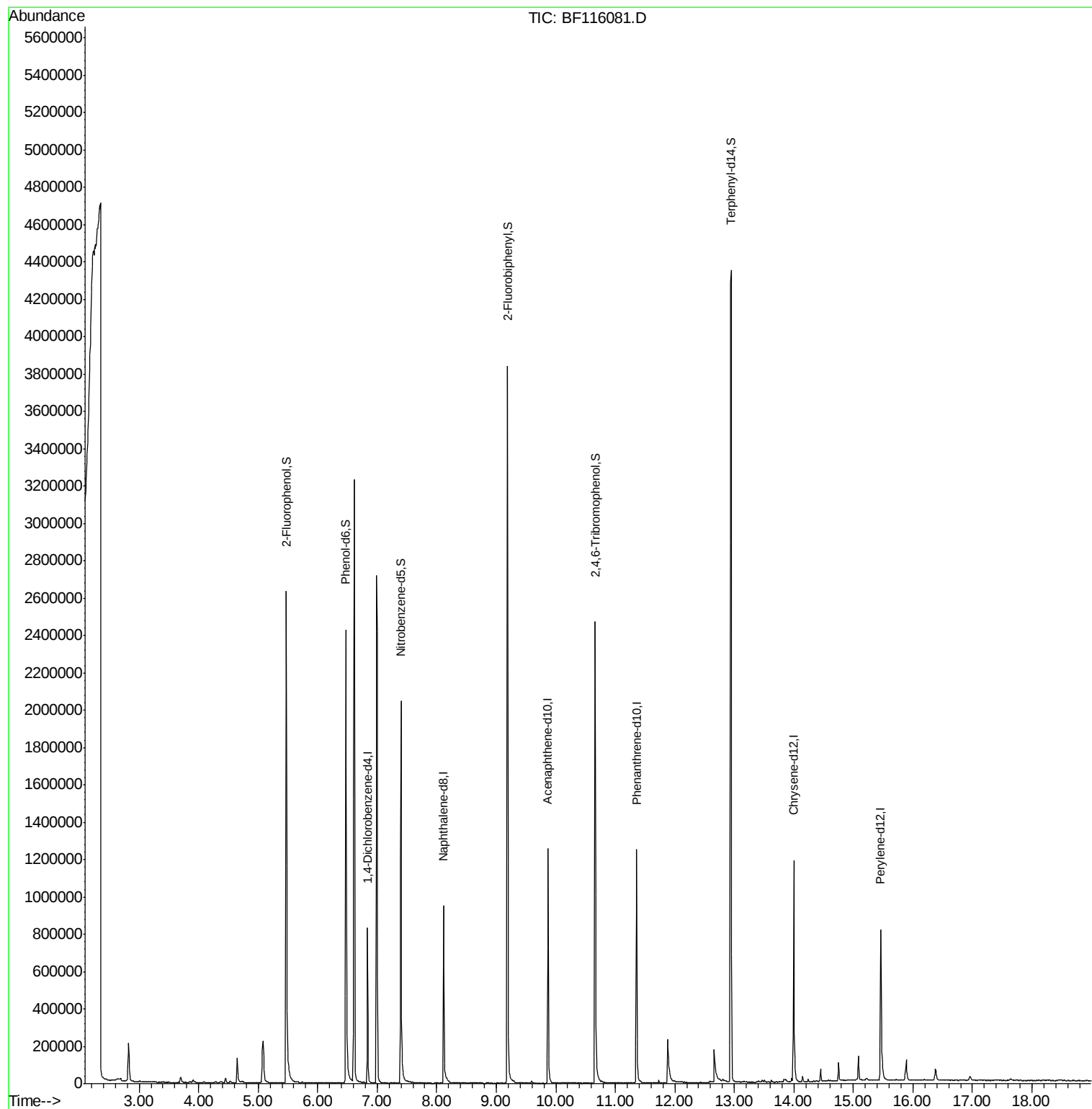
Target Compounds Qvalue

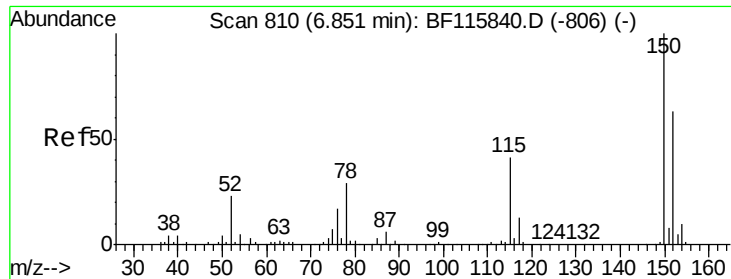
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 07 11:13:18 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: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA\_F

ClientSampleId :

2S-E1-E4-(30)COMP

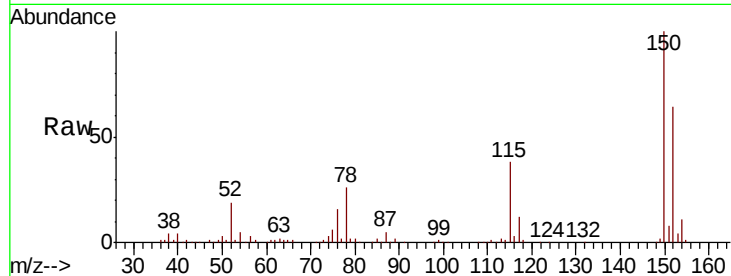
Tot Ion:152 Resp: 125738

Ion Ratio Lower Upper

152 100

150 157.2 126.2 189.2

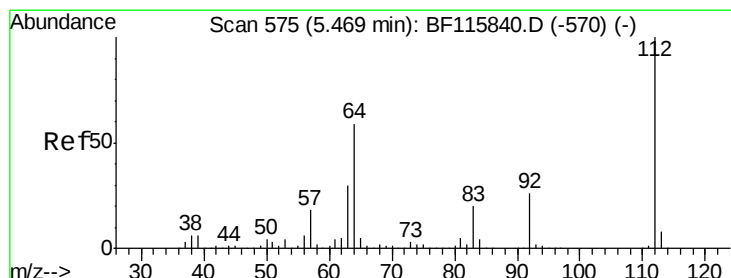
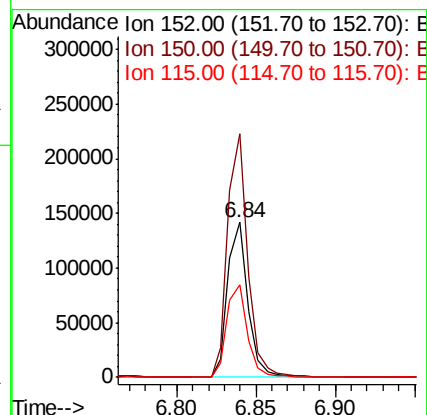
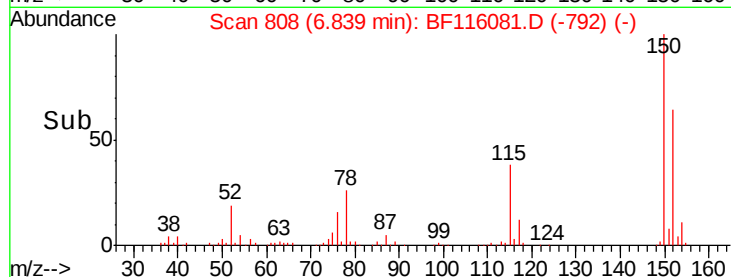
115 59.6 49.9 74.9



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: 112.428 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

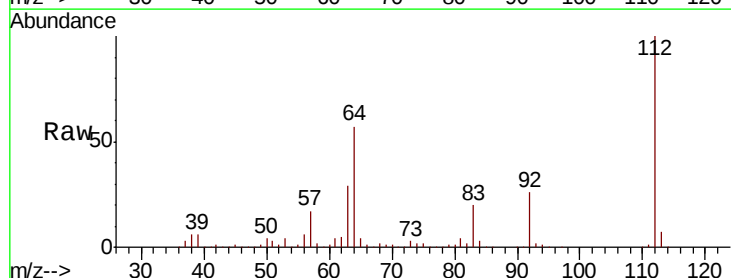
Tgt Ion:112 Resp: 844444

Ion Ratio Lower Upper

112 100

64 56.7 45.4 68.2

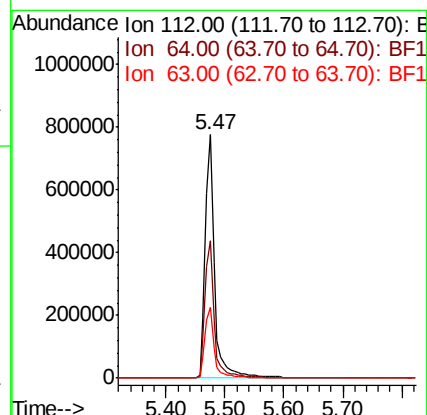
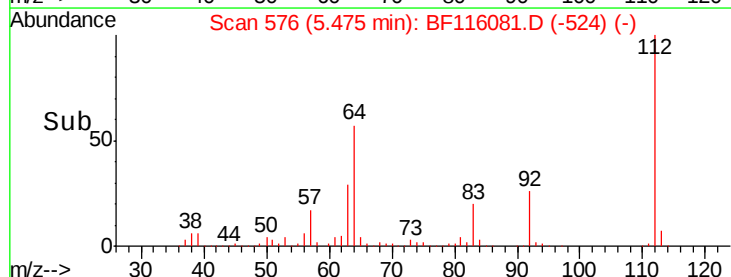
63 29.1 23.7 35.5

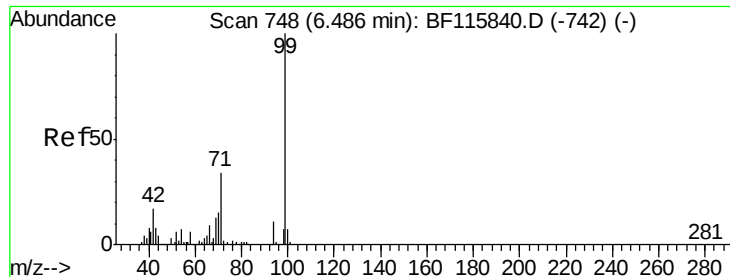


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.457 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

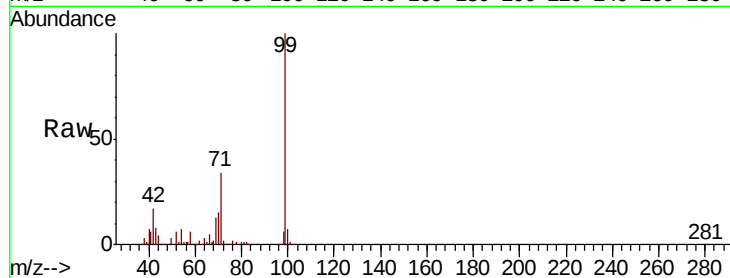
BNA\_F

ClientSampleId :

2S-E1-E4-(30)COMP

Tot Ion: 99 Resp: 989877

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.1  | 13.8  | 20.8  |
| 71  | 34.1  | 27.3  | 40.9  |

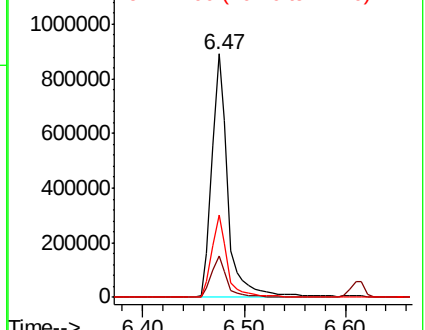
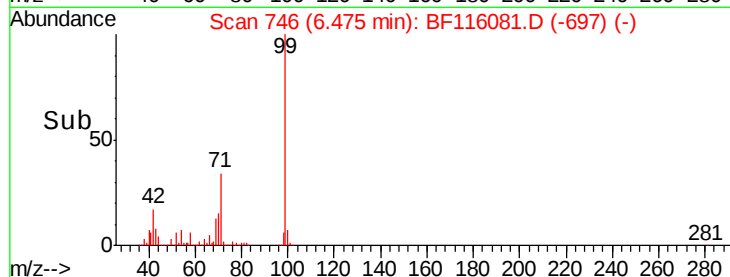


Abundance

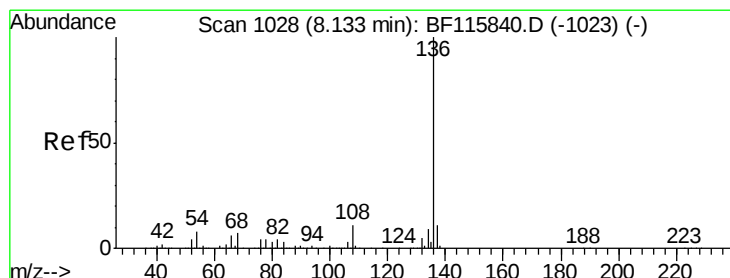
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

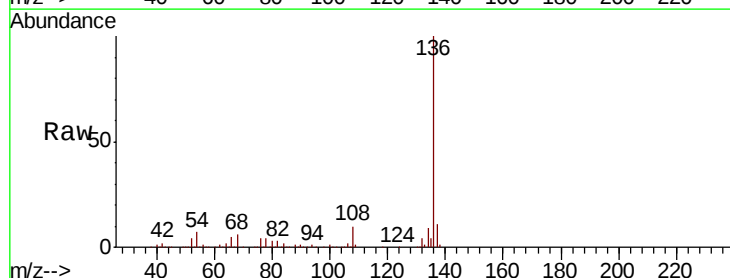
Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Tgt Ion: 136 Resp: 495563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 9.0   | 13.4  |
| 54  | 7.2   | 5.8   | 8.6   |
| 68  | 6.5   | 5.2   | 7.8   |



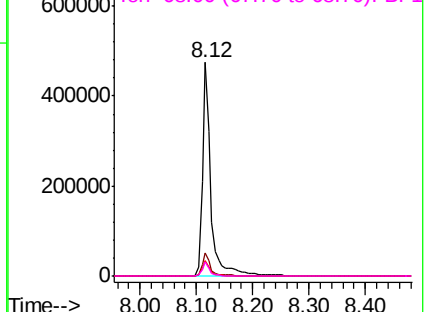
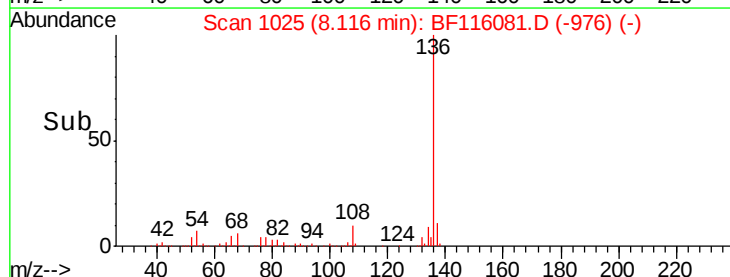
Abundance

Ion 136.00 (135.70 to 136.70): E

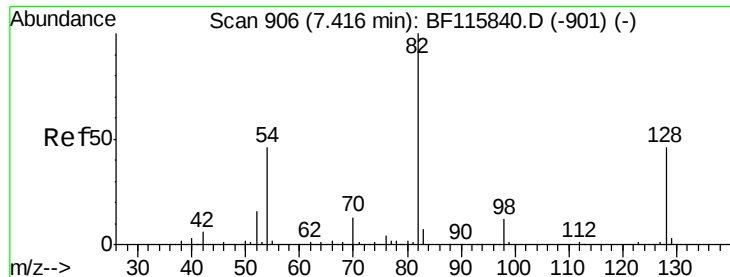
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



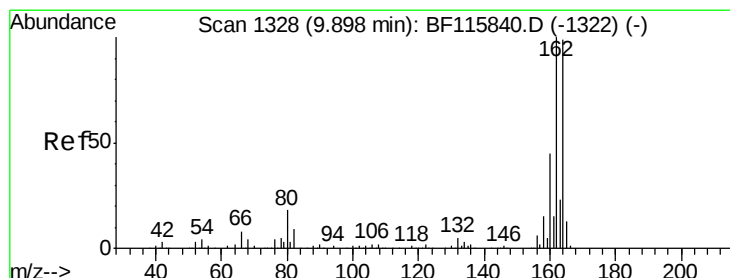
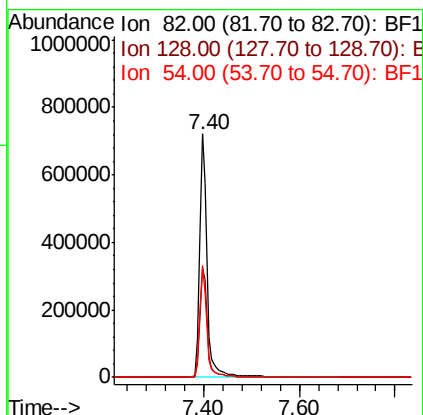
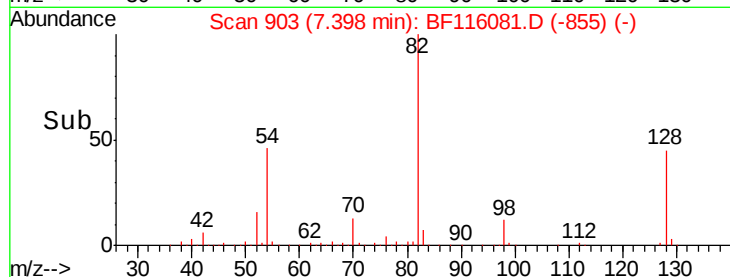
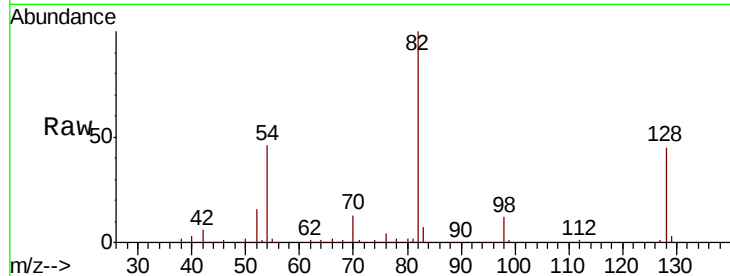
Time-->



#23  
Nitrobenzene-d5  
Concen: 92.010 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.02 min  
Lab File: BF116081.D  
Acq: 8 Aug 2019 21:38

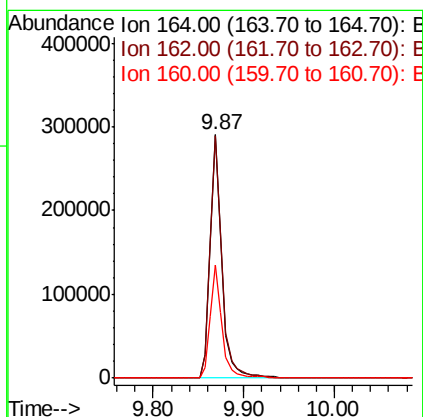
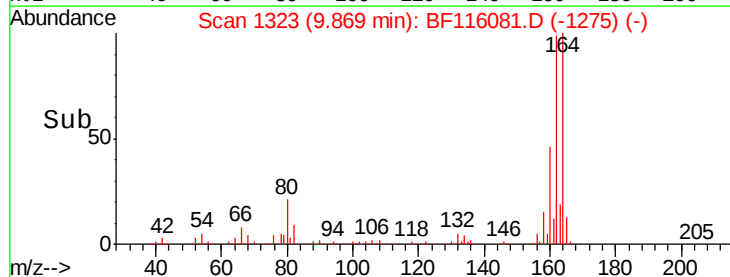
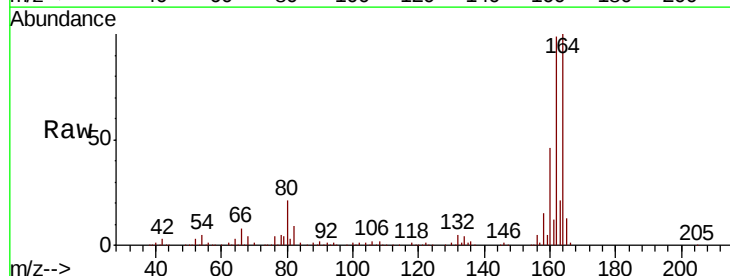
Instrument :  
BNA\_F  
ClientSampleId :  
2S-E1-E4-(30)COMP

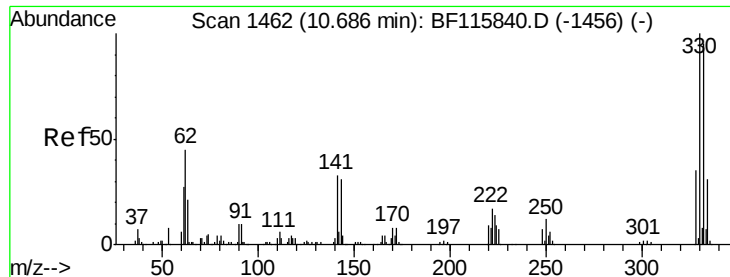
Tot Ion: 82 Resp: 789923  
Ion Ratio Lower Upper  
82 100  
128 44.7 36.5 54.7  
54 45.6 36.0 54.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BF116081.D  
Acq: 8 Aug 2019 21:38

Tgt Ion:164 Resp: 269748  
Ion Ratio Lower Upper  
164 100  
162 99.3 82.6 124.0  
160 46.3 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 141.571 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA\_F

ClientSampleId :

2S-E1-E4-(30)COMP

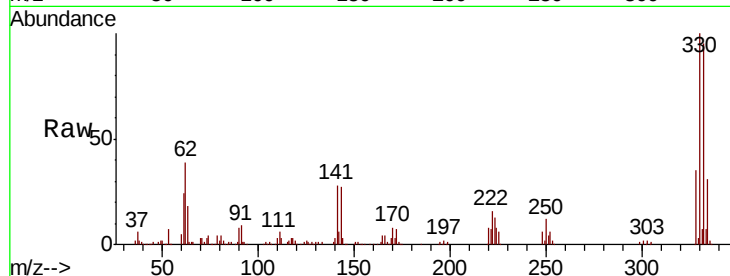
Tot Ion:330 Resp: 370249

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 32.9 26.3 39.5

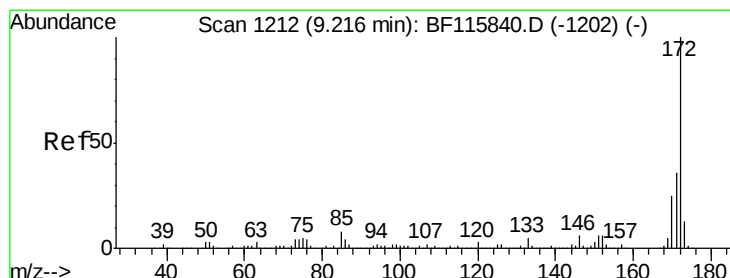
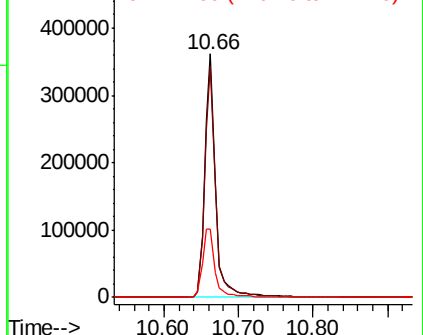
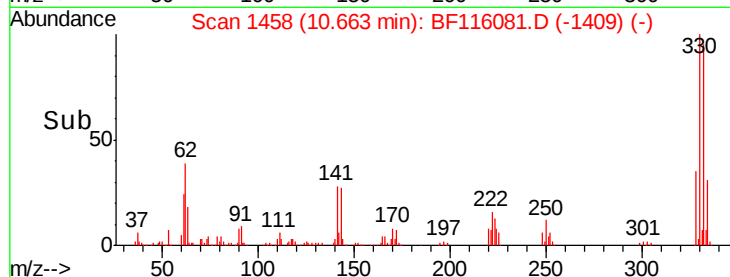


Abundance

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: 94.410 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

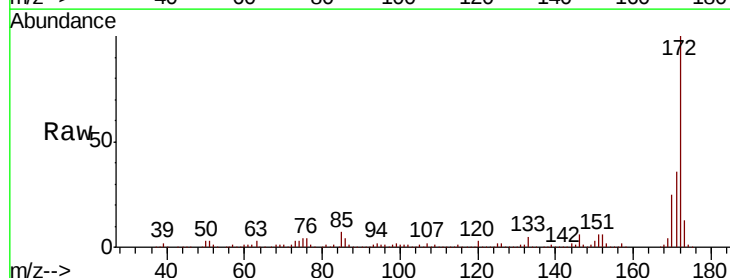
Tgt Ion:172 Resp: 1359629

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

170 24.9 20.1 30.1

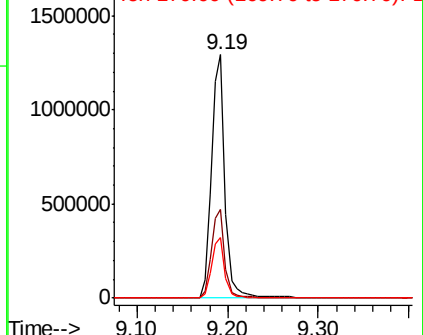
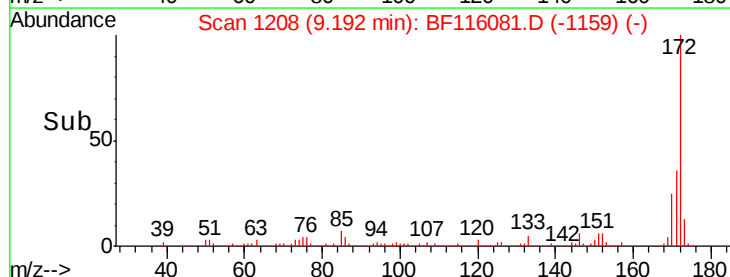


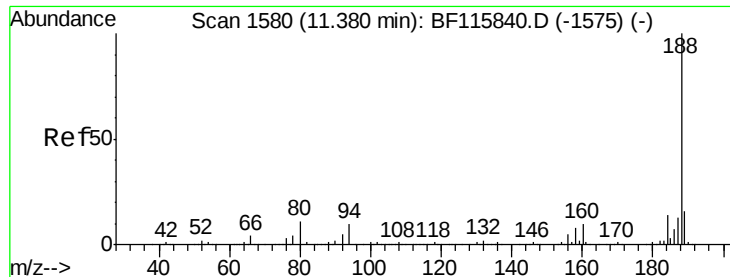
Abundance

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

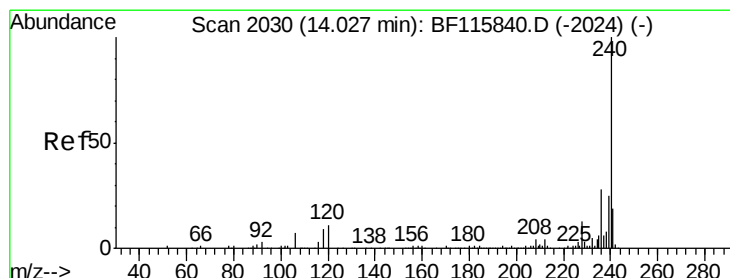
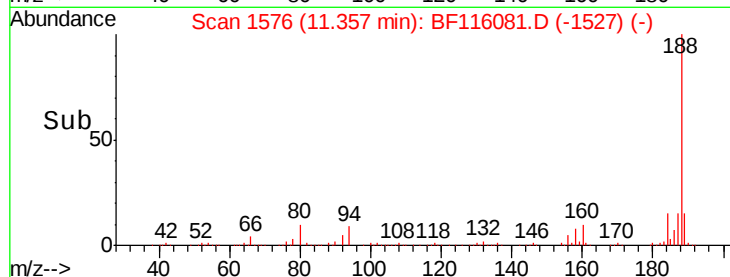
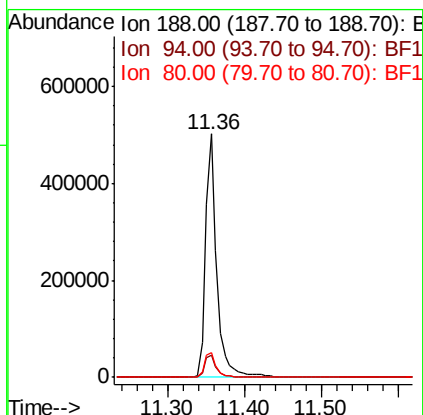
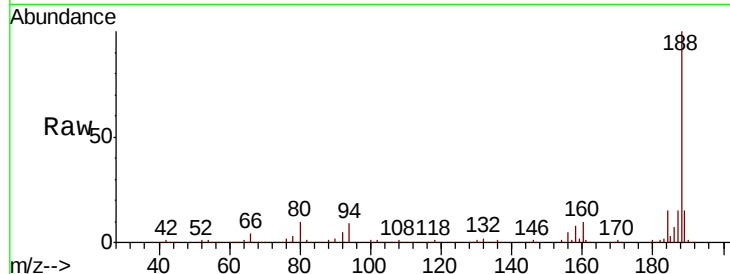




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF116081.D  
Acq: 8 Aug 2019 21:38

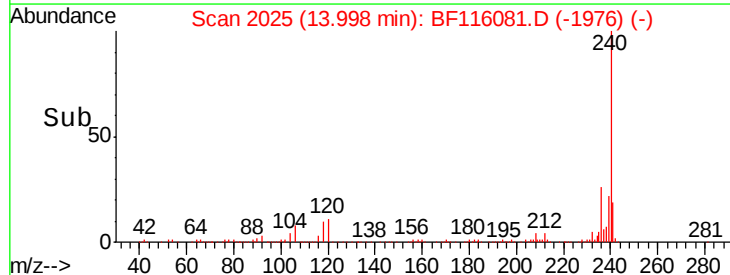
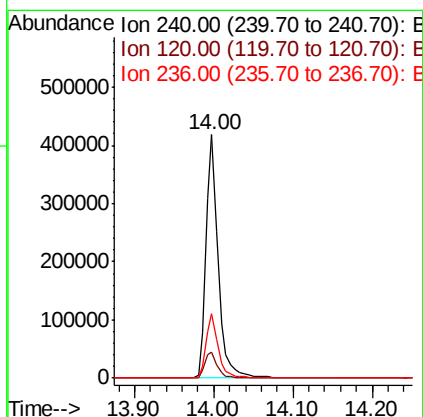
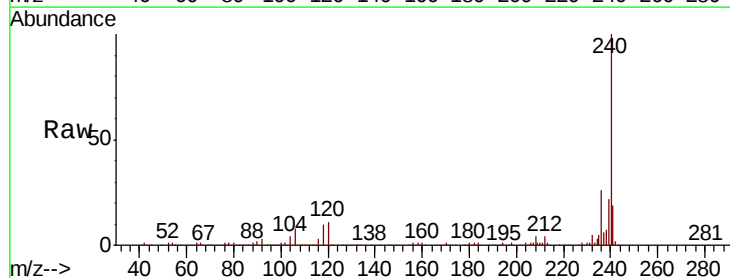
Instrument :  
BNA\_F  
ClientSampleId :  
2S-E1-E4-(30)COMP

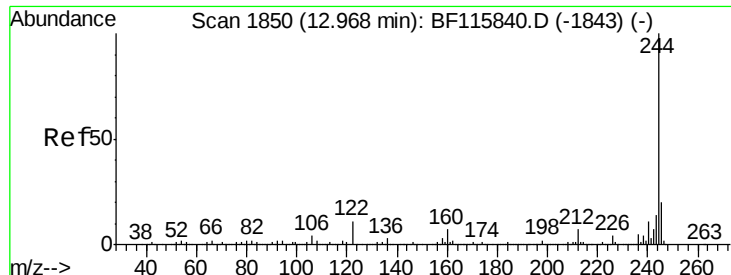
Tot Ion:188 Resp: 506333  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.1 12.1  
80 10.1 8.7 13.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF116081.D  
Acq: 8 Aug 2019 21:38

Tgt Ion:240 Resp: 448855  
Ion Ratio Lower Upper  
240 100  
120 10.9 10.7 16.1  
236 26.4 22.2 33.2





#79

Terphenyl-d14

Concen: 82.575 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

Instrument :

BNA\_F

ClientSampleId :

2S-E1-E4-(30)COMP

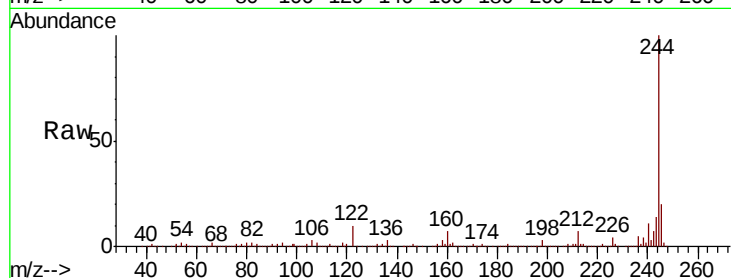
Tot Ion:244 Resp: 1758958

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

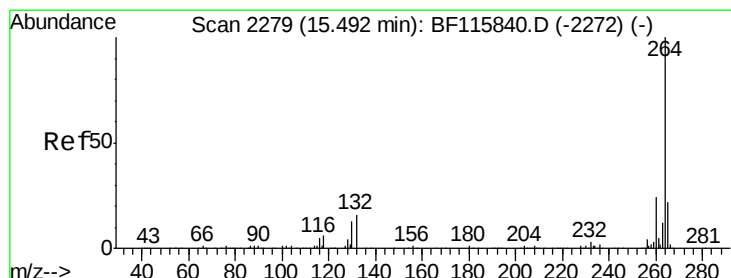
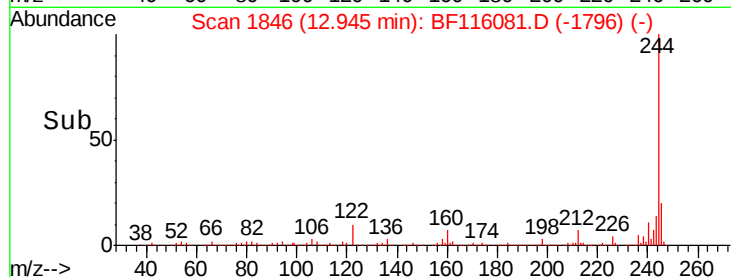
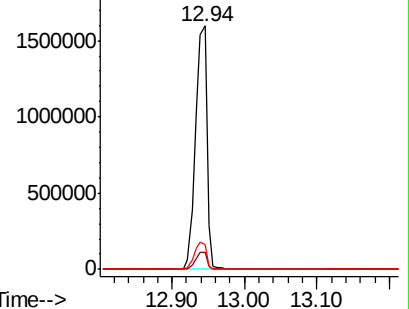
122 10.3 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116081.D

Acq: 8 Aug 2019 21:38

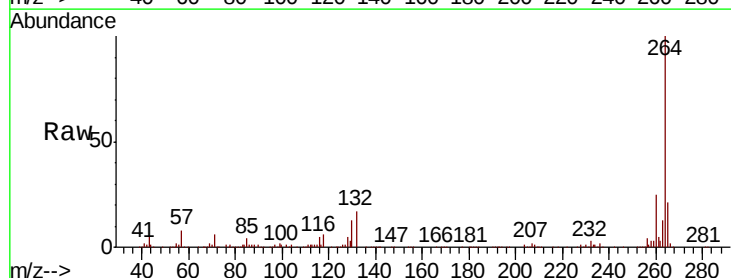
Tgt Ion:264 Resp: 425978

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

265 21.1 17.4 26.0



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

