

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\  
 Data File : BF112164.D  
 Acq On : 21 Jan 2019 17:48  
 Operator : JU/SJ  
 Sample : K1009-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-011819-C

Quant Time: Jan 22 00:57:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 19 01:02:12 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 208304   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 692652   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.89  | 164  | 278294   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.37 | 188  | 550818   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.02 | 240  | 476495   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.49 | 264  | 346437   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 1236721  | 107.76 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 1248614  | 86.96  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 958714   | 95.63  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330  | 392925   | 130.88 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.21  | 172  | 1764680  | 92.97  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.96 | 244  | 2045795  | 91.34  | ng    | 0.00     |

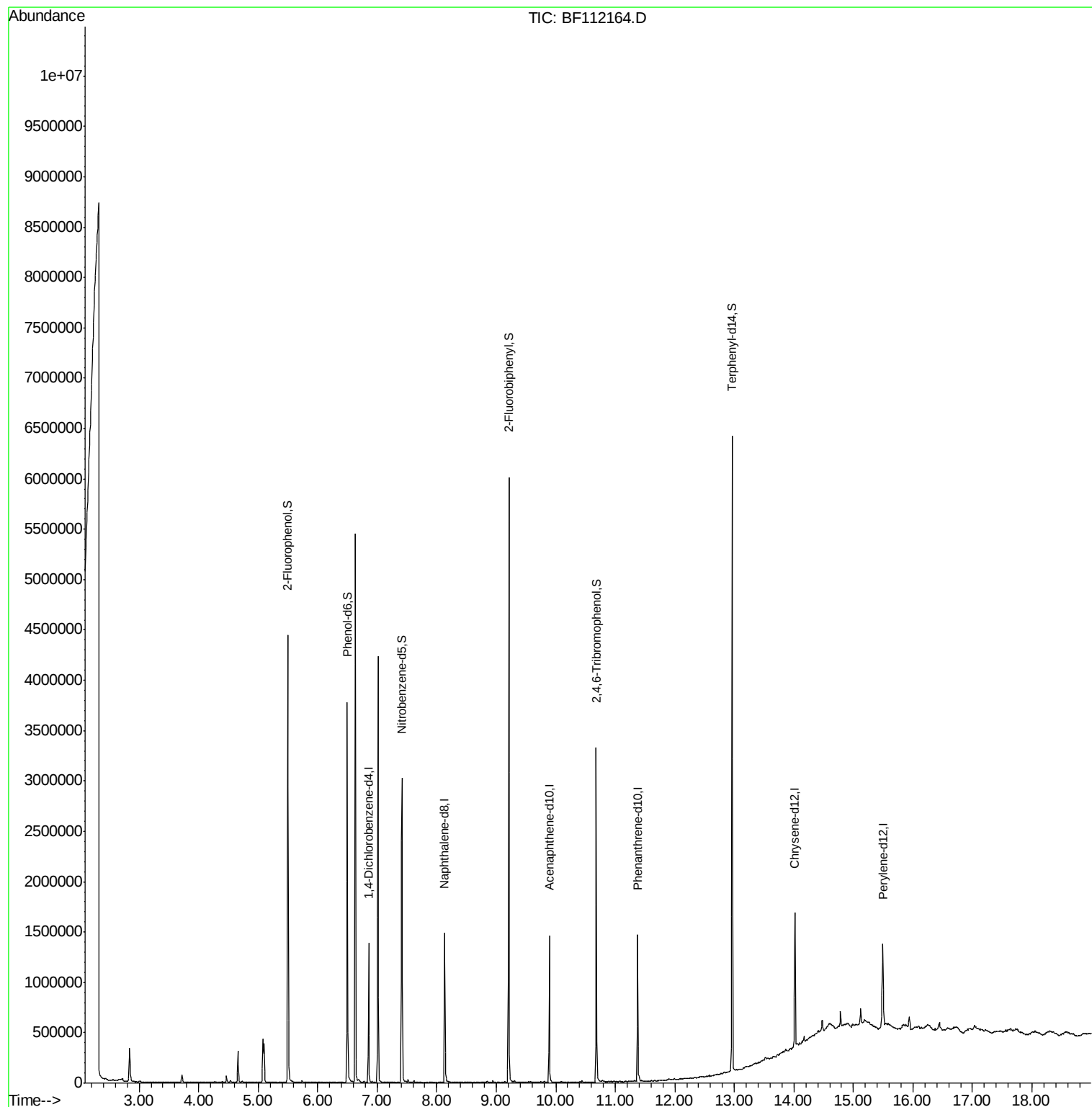
Target Compounds Qvalue

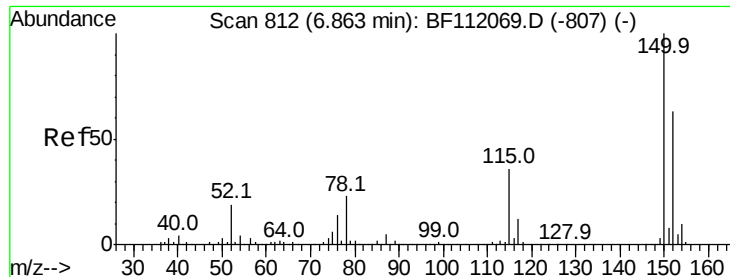
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

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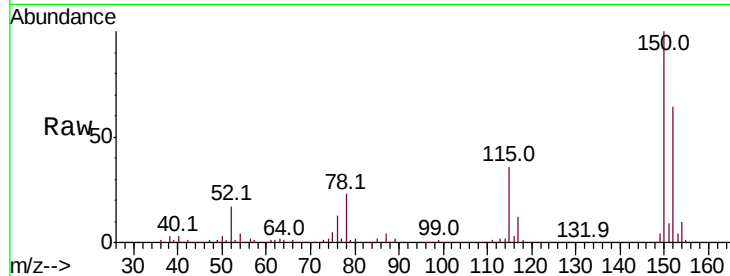


#1

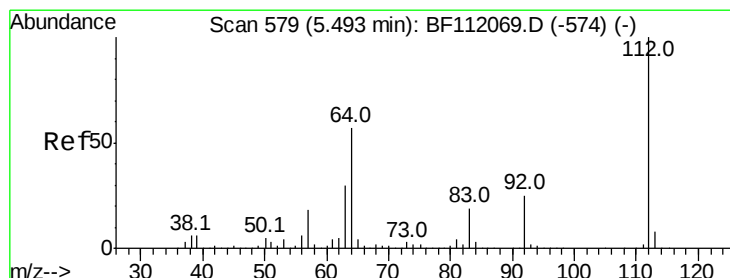
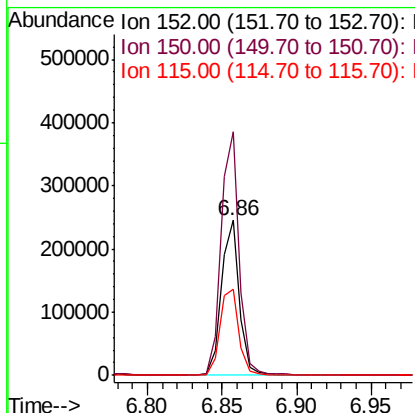
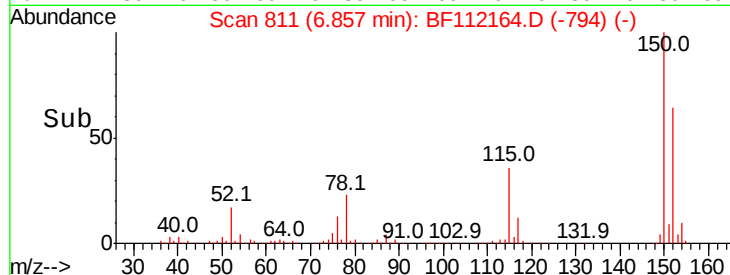
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. 0.00 min  
Lab File: BF112164.D  
Acq: 21 Jan 2019 17:48

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-C

Tot Ion:152 Resp: 208304  
Ion Ratio Lower Upper  
152 100  
150 157.2 127.4 191.0  
115 56.1 45.5 68.3



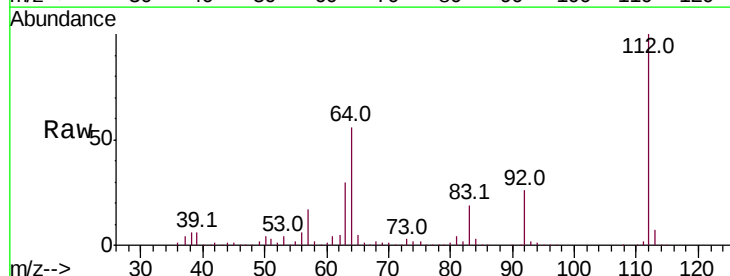
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



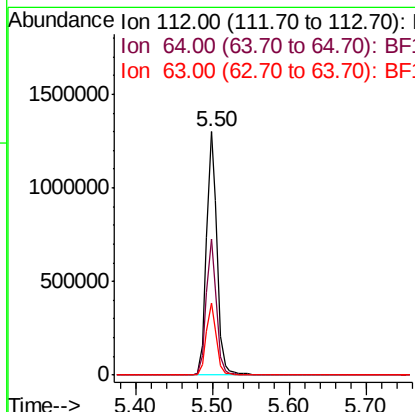
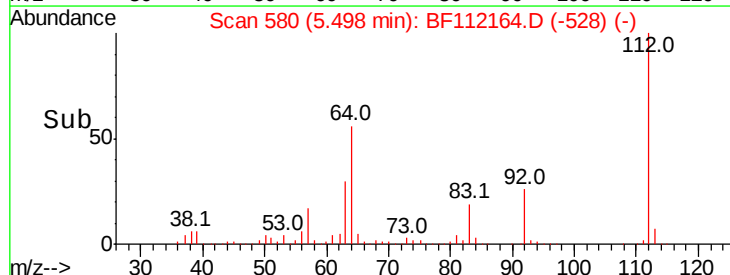
#5

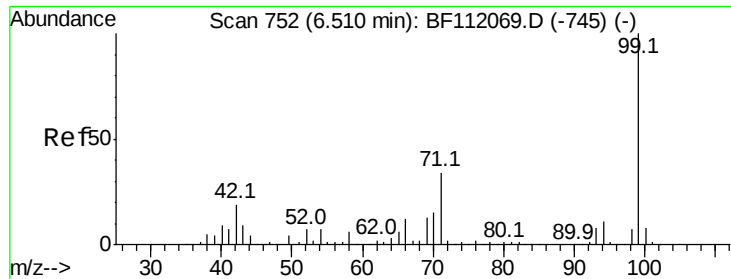
2-Fluorophenol  
Concen: 107.761 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF112164.D  
Acq: 21 Jan 2019 17:48

Tgt Ion:112 Resp: 1236721  
Ion Ratio Lower Upper  
112 100  
64 56.1 45.7 68.5  
63 29.9 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: 86.957 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

Instrument :

BNA\_F

ClientSampled :

CL-01-011819-C

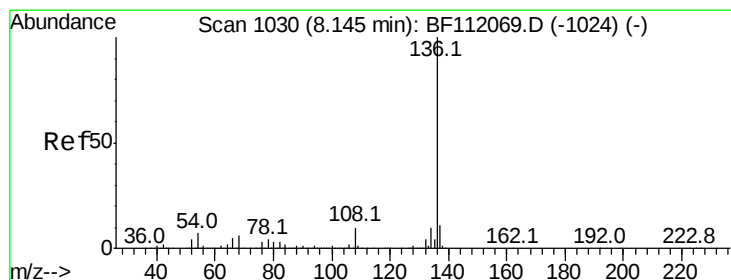
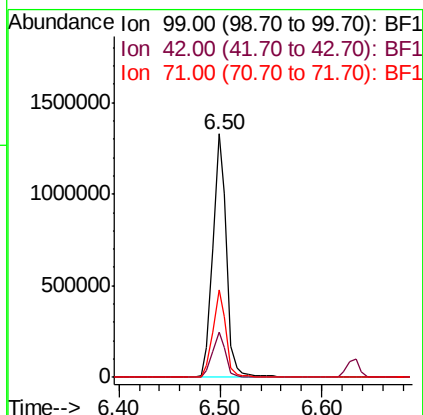
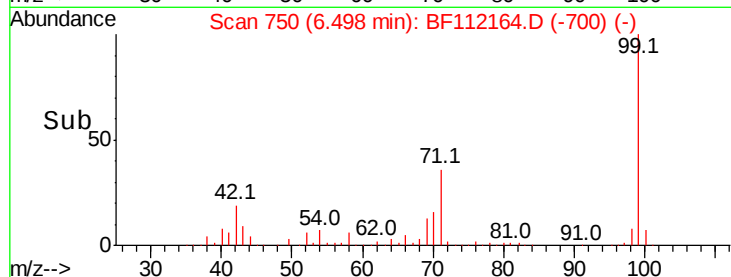
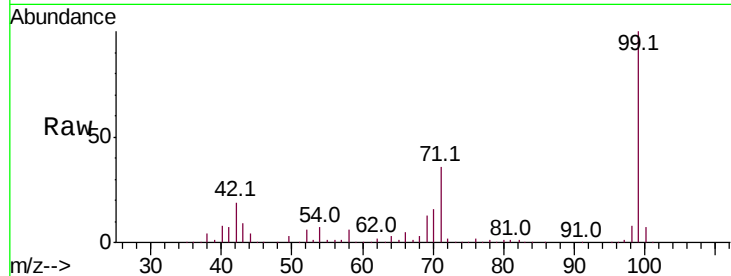
Tot Ion: 99 Resp: 1248614

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

71 36.1 26.9 40.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

Tgt Ion: 136 Resp: 692652

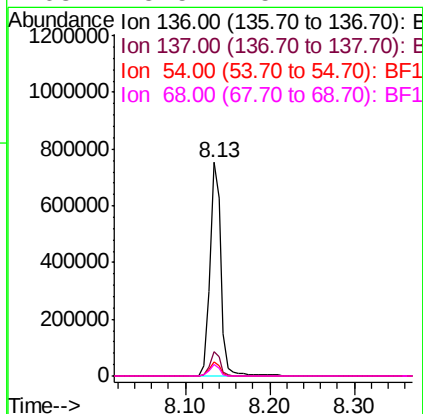
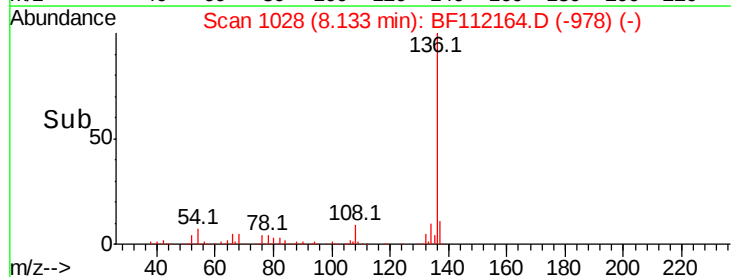
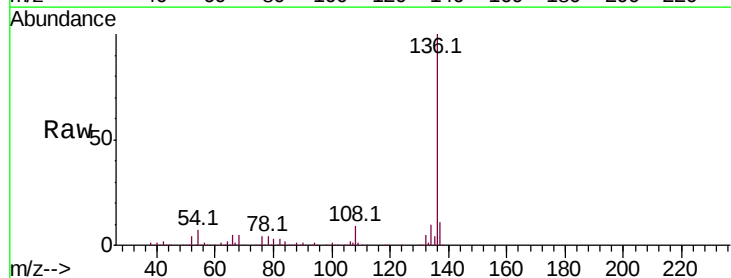
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.9 5.9 8.9

68 5.5 5.1 7.7

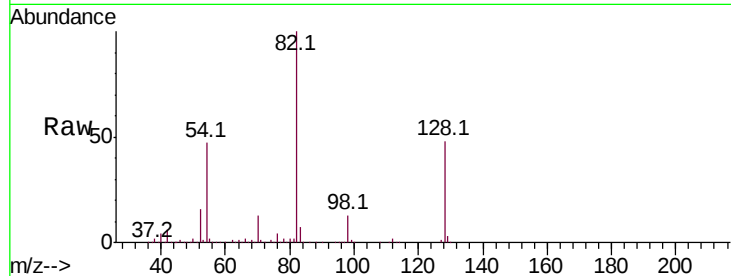




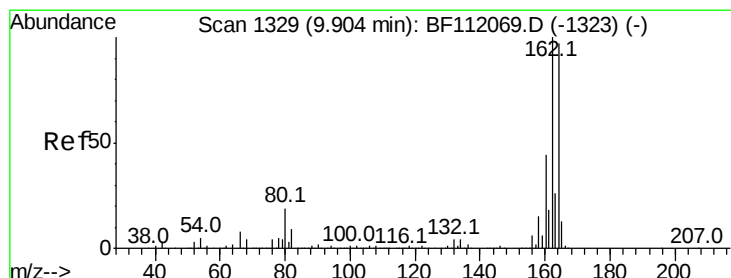
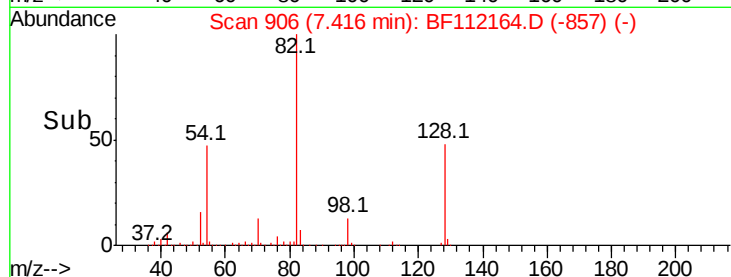
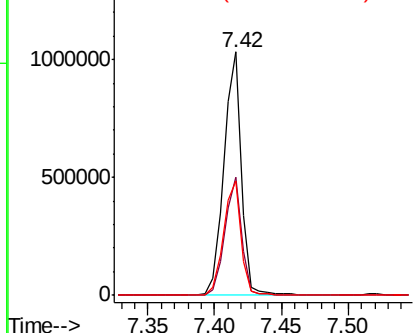
#23  
Nitrobenzene-d5  
Concen: 95.627 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BF112164.D  
Acq: 21 Jan 2019 17:48

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-C

| Tot Ion   | 82   | Resp  | 958714 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 48.4 | 37.8  | 56.8   |
| 54        | 46.9 | 39.7  | 59.5   |

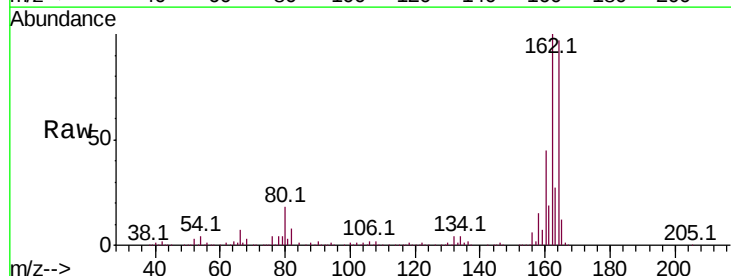


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

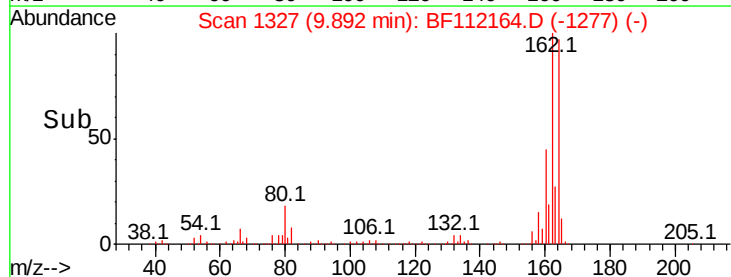
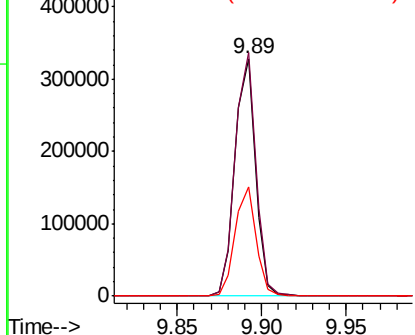


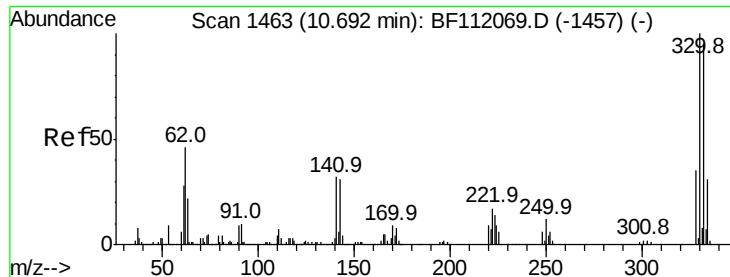
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF112164.D  
Acq: 21 Jan 2019 17:48

| Tgt Ion   | 164   | Resp  | 278294 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.6 | 82.2  | 123.4  |
| 160       | 46.0  | 36.2  | 54.4   |



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 130.880 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-C

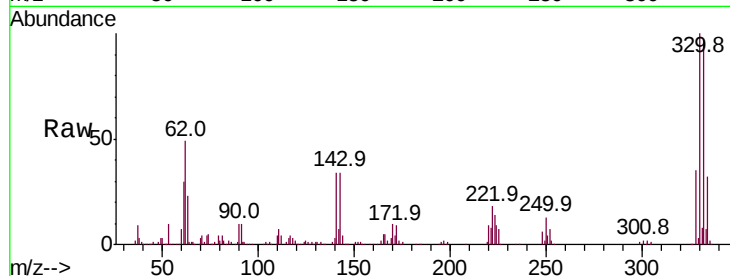
Tot Ion:330 Resp: 392925

Ion Ratio Lower Upper

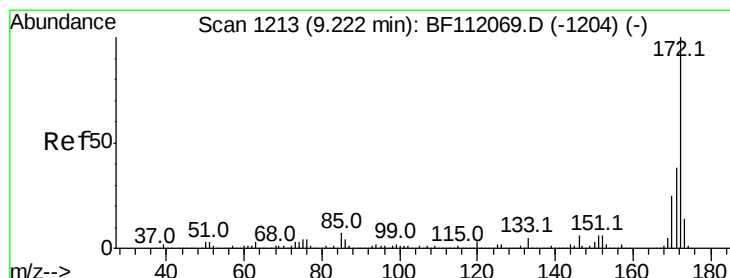
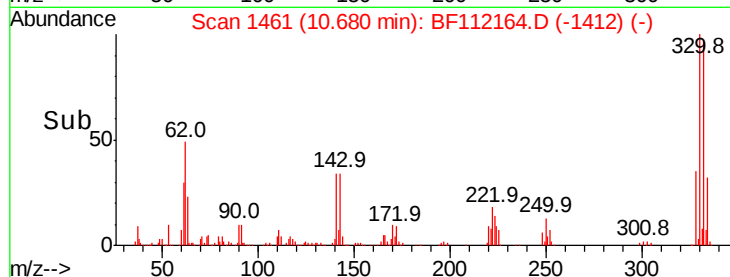
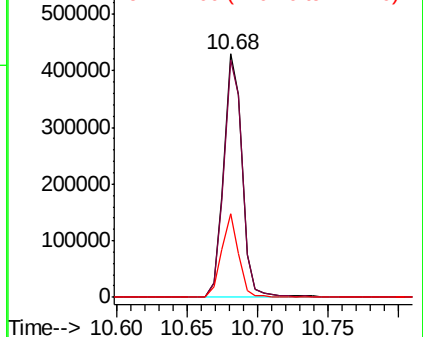
330 100

332 97.9 76.6 114.8

141 32.1 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: 92.967 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

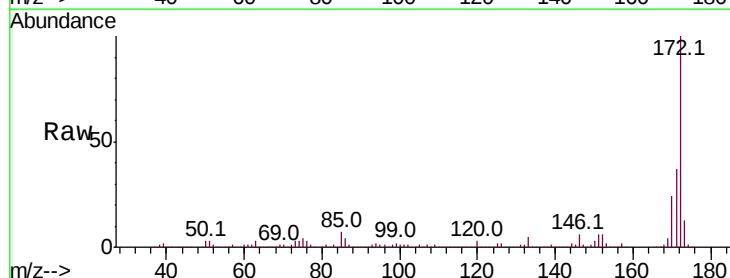
Tgt Ion:172 Resp: 1764680

Ion Ratio Lower Upper

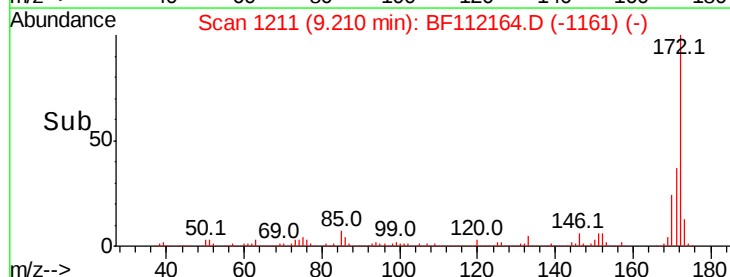
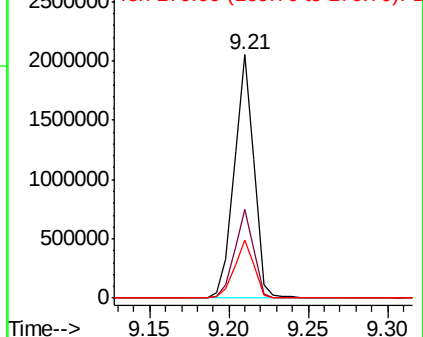
172 100

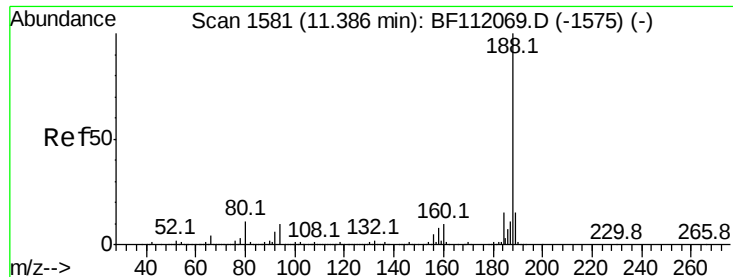
171 36.7 30.5 45.7

170 24.0 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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-C

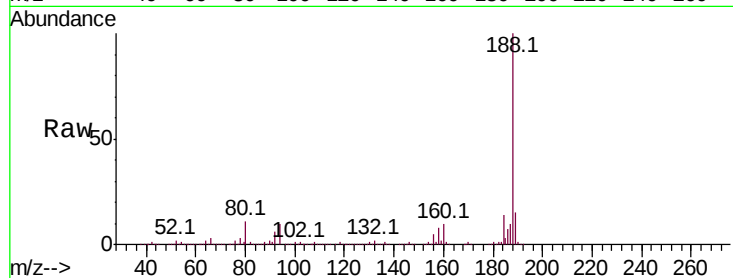
Tot Ion:188 Resp: 550818

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

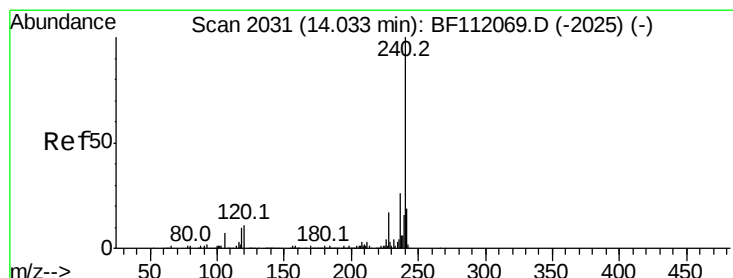
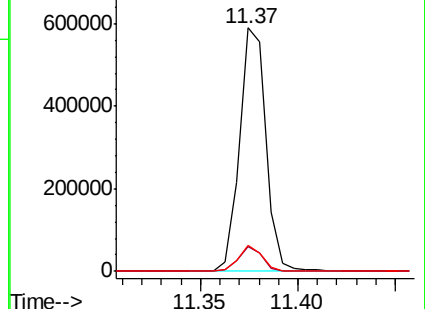
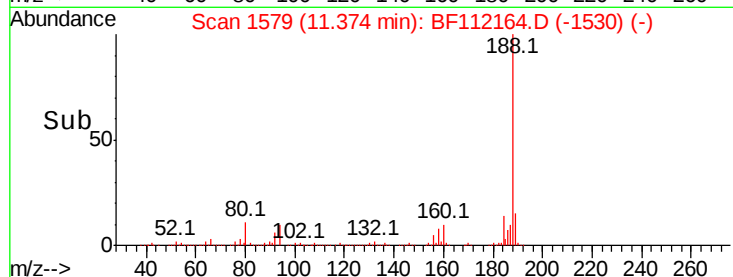
80 10.6 8.9 13.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

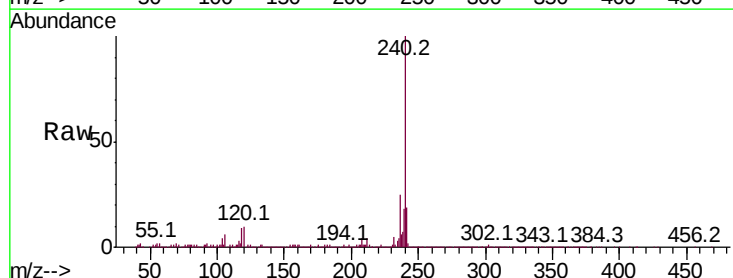
Tgt Ion:240 Resp: 476495

Ion Ratio Lower Upper

240 100

120 10.0 9.0 13.6

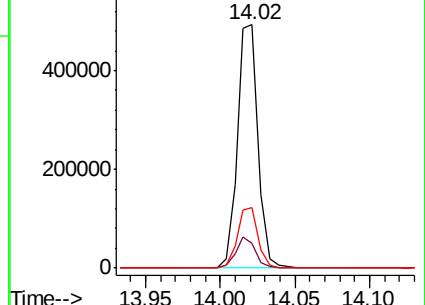
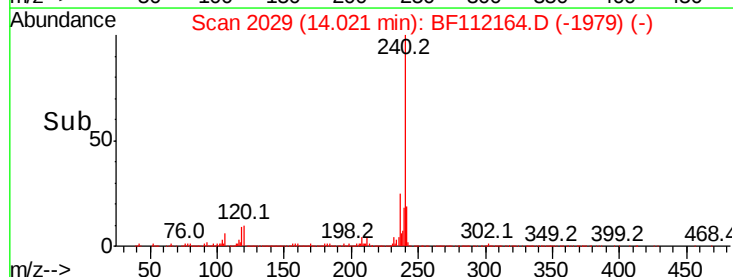
236 25.0 20.7 31.1

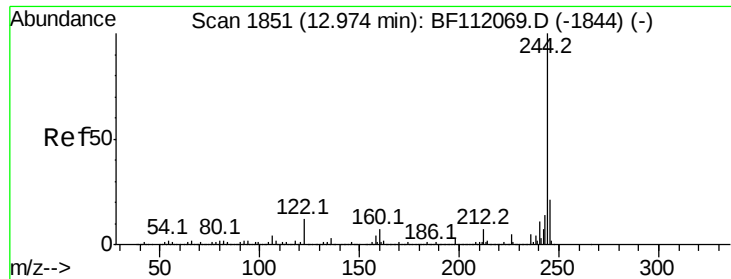


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.337 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-C

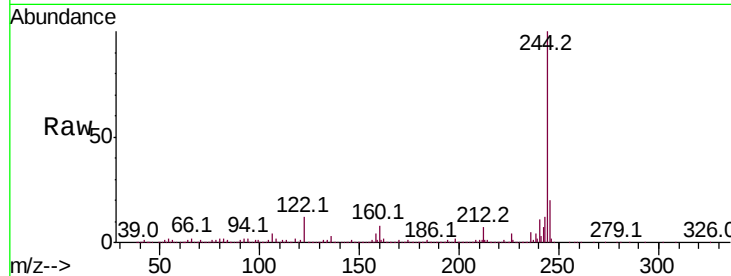
Tot Ion:244 Resp: 2045795

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

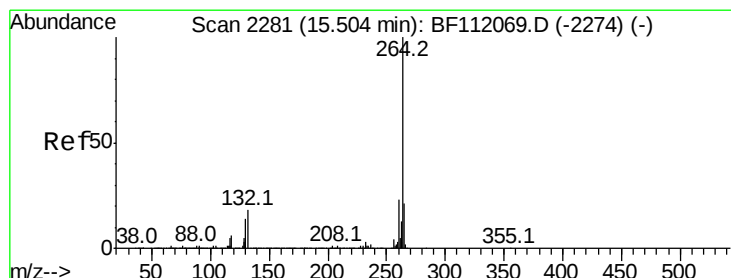
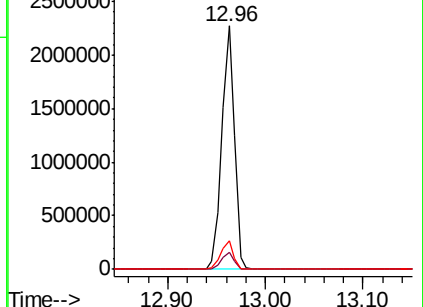
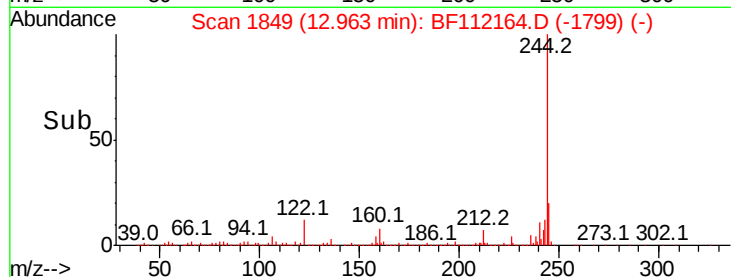
122 11.8 9.8 14.6



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: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112164.D

Acq: 21 Jan 2019 17:48

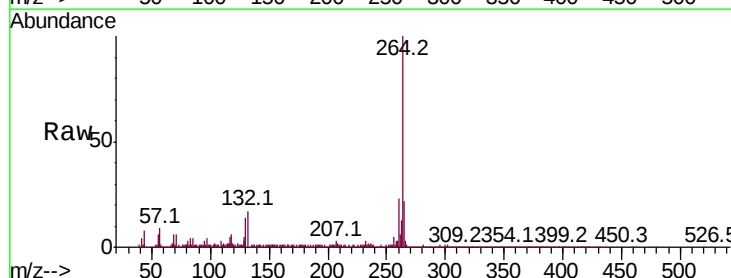
Tgt Ion:264 Resp: 346437

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

265 21.9 17.0 25.4



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

