

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\  
 Data File : BF114699.D  
 Acq On : 31 May 2019 11:07  
 Operator : HP/JU  
 Sample : PB120049TB  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120049TB

Quant Time: May 31 14:14:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 31 12:07:00 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 474108   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 1865123  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.72  | 164  | 966227   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.20 | 188  | 1833560  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.82 | 240  | 1225086  | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.21 | 264  | 1065938  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 2912973  | 107.87 | ng    | 0.02     |
| 7) Phenol-d6                | 6.34  | 99   | 3625053  | 111.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 2371185  | 79.32  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330  | 1124208  | 122.11 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.06  | 172  | 4147717  | 79.63  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.79 | 244  | 4327635  | 66.42  | ng    | 0.00     |

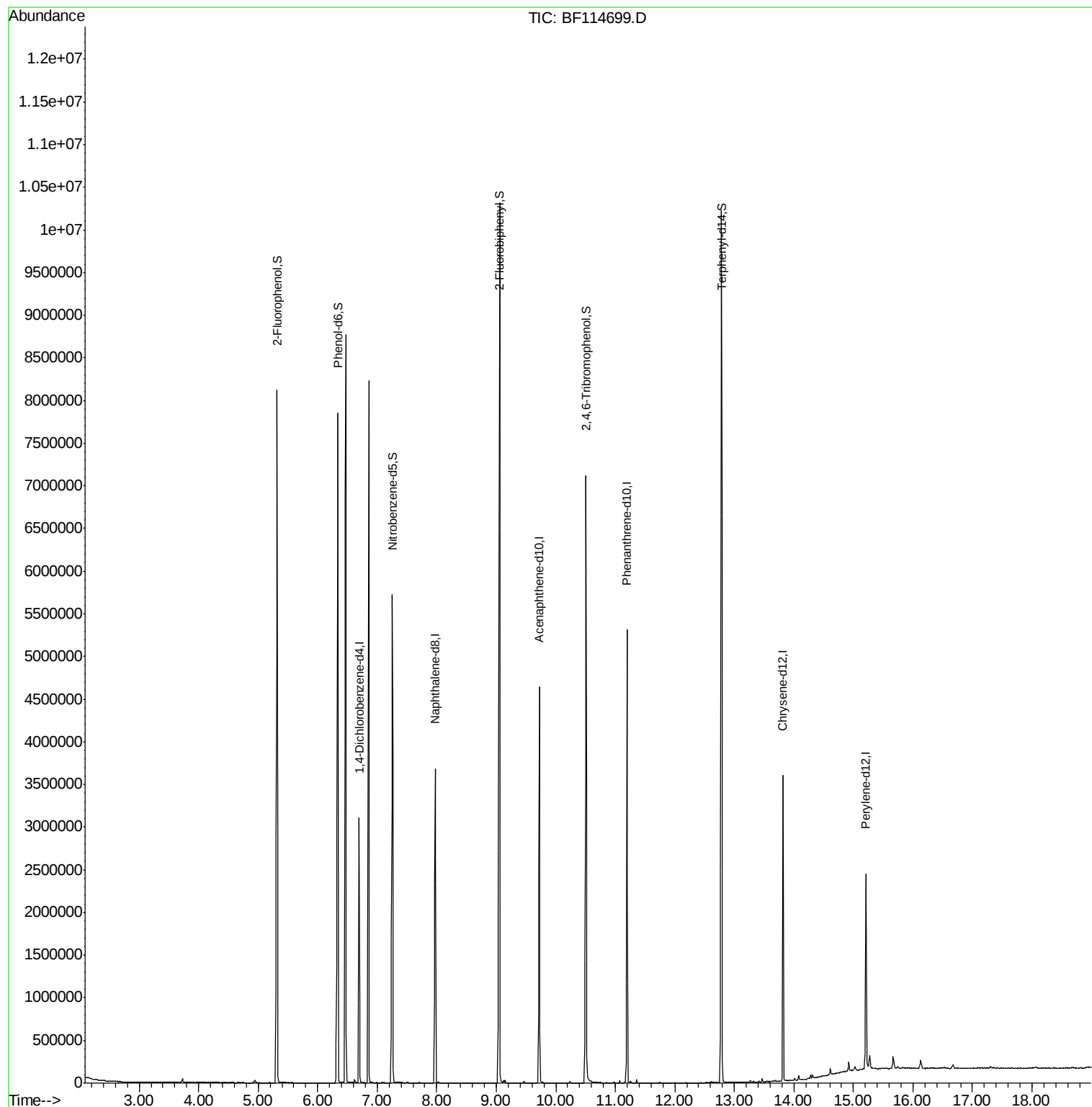
Target Compounds Qvalue

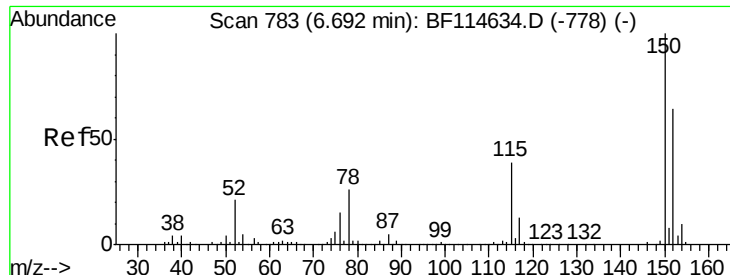
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB120049TB

Quant Time: May 31 14:14:34 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 31 12:07:00 2019  
Response via : Initial Calibration



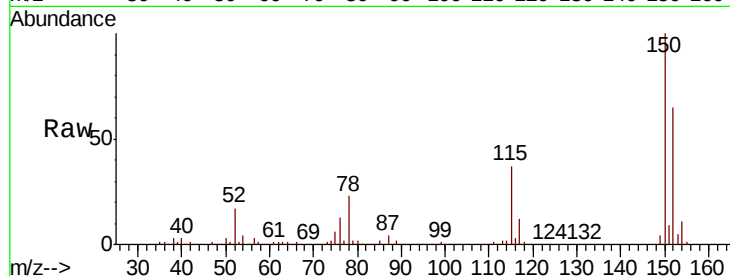


#1

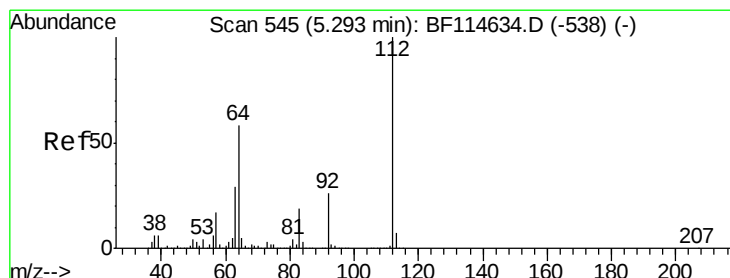
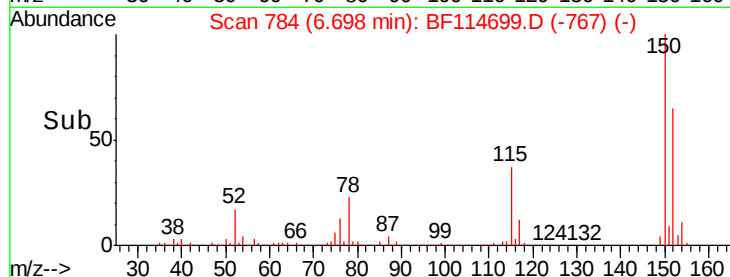
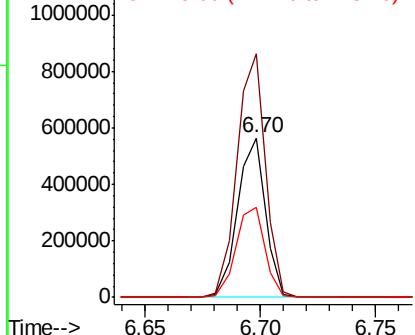
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF114699.D  
Acq: 31 May 2019 11:07

Instrument :  
BNA\_F  
ClientSampleId :  
PB120049TB

Tot Ion:152 Resp: 474108  
Ion Ratio Lower Upper  
152 100  
150 152.9 124.3 186.5  
115 56.2 48.8 73.2



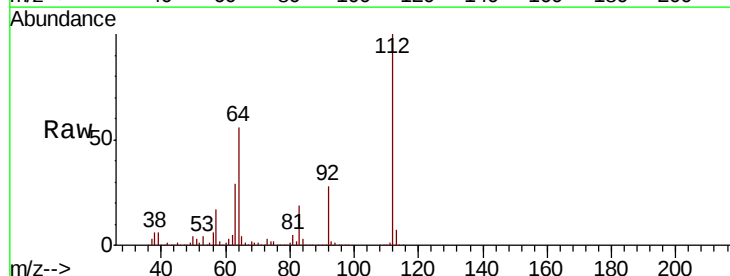
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



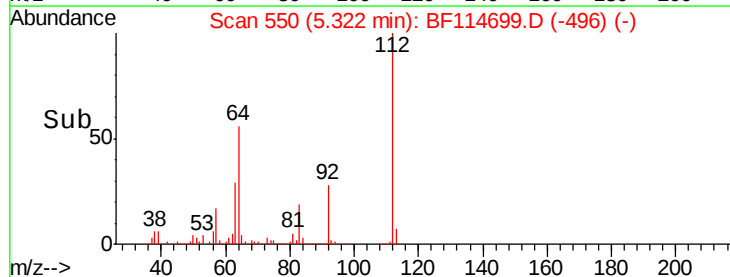
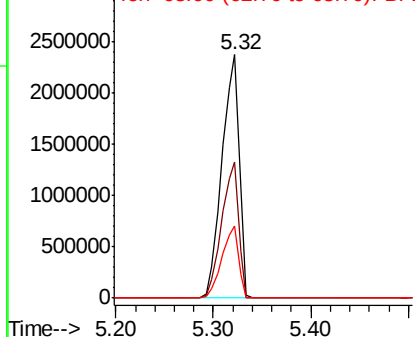
#5

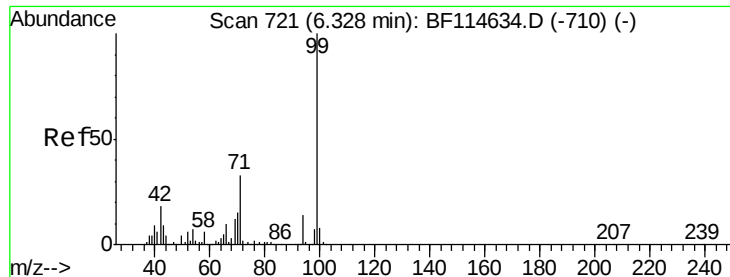
2-Fluorophenol  
Concen: 107.873 ng  
RT: 5.32 min Scan# 550  
Delta R.T. 0.02 min  
Lab File: BF114699.D  
Acq: 31 May 2019 11:07

Tgt Ion:112 Resp: 2912973  
Ion Ratio Lower Upper  
112 100  
64 55.8 44.8 67.2  
63 29.5 23.0 34.6



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: 111.401 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF114699.D

Acq: 31 May 2019 11:07

Instrument :

BNA\_F

ClientSampleId :

PB120049TB

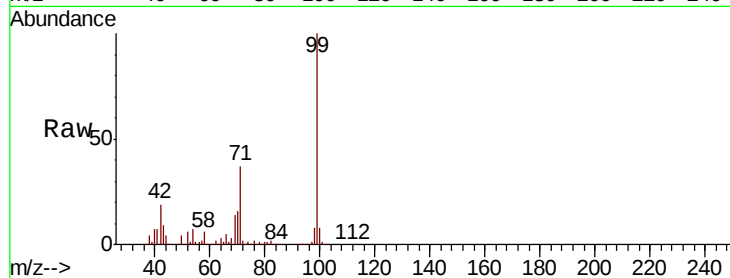
Tot Ion: 99 Resp: 3625053

Ion Ratio Lower Upper

99 100

42 18.6 14.1 21.1

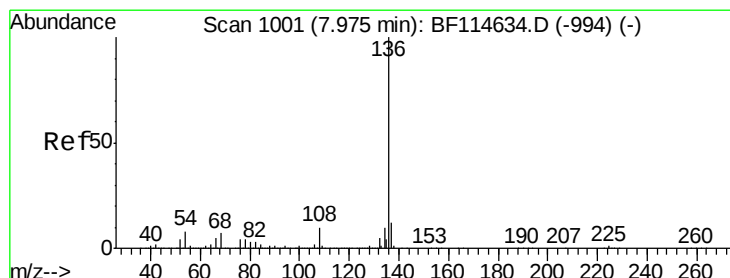
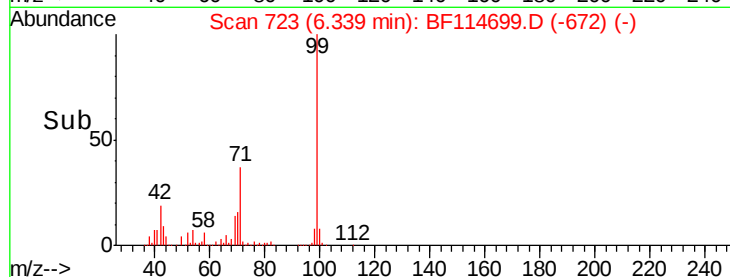
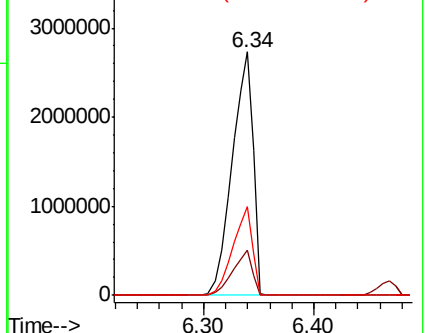
71 36.6 27.3 40.9



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF114699.D

Acq: 31 May 2019 11:07

Tgt Ion: 136 Resp: 1865123

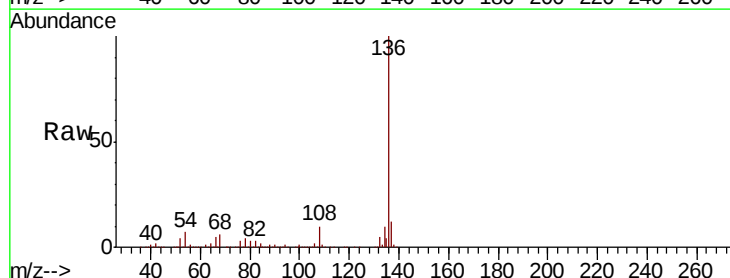
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 7.2 5.2 7.8

68 6.3 4.6 6.8

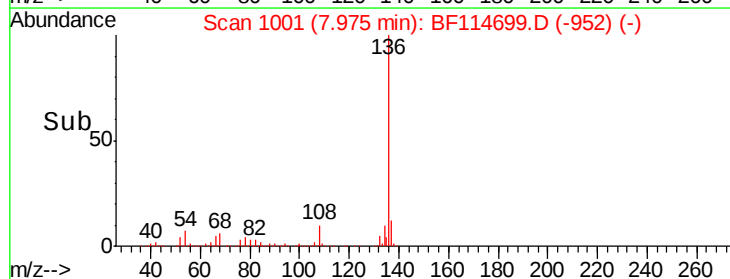
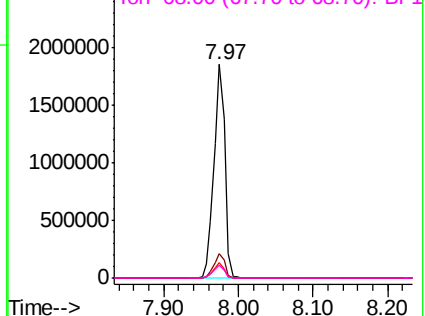


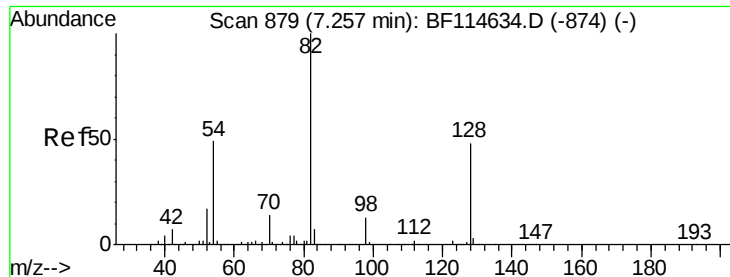
Abundance Ion 136.00 (135.70 to 136.70): E

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

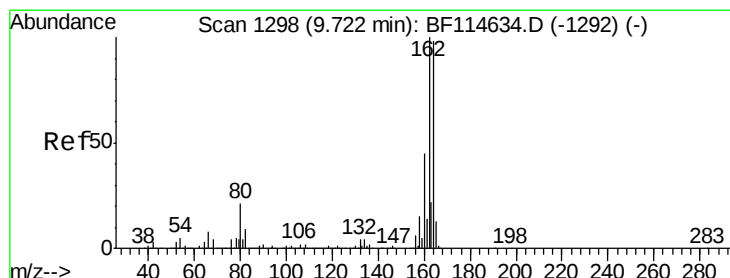
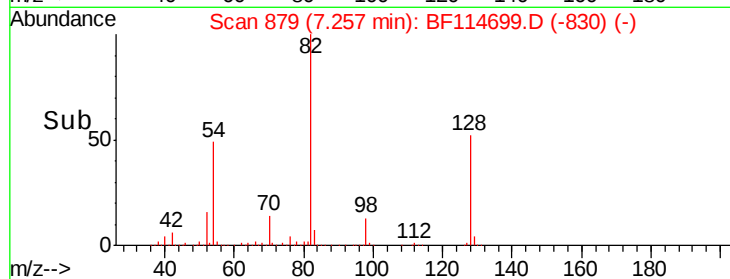
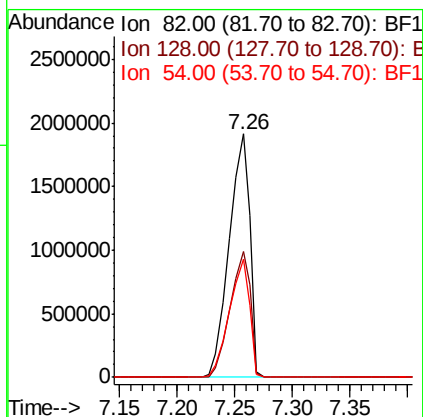
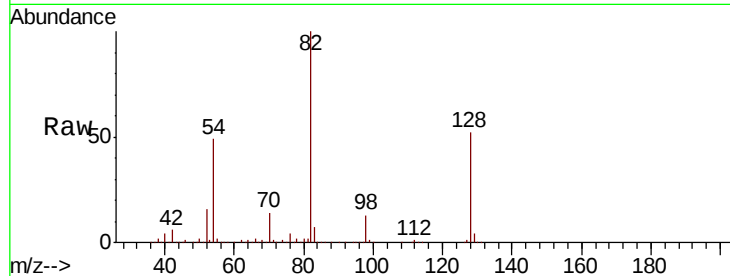




#23  
 Nitrobenzene-d5  
 Concen: 79.317 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF114699.D  
 Acq: 31 May 2019 11:07

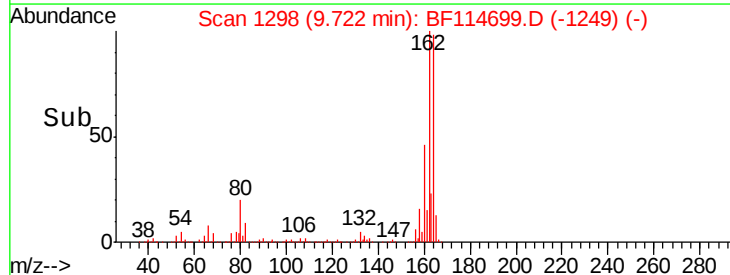
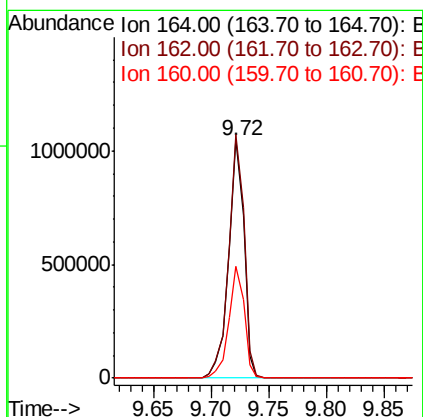
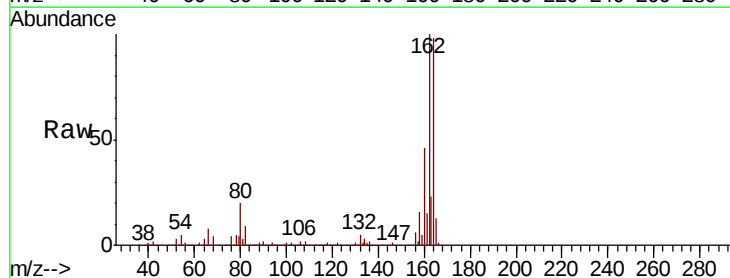
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120049TB

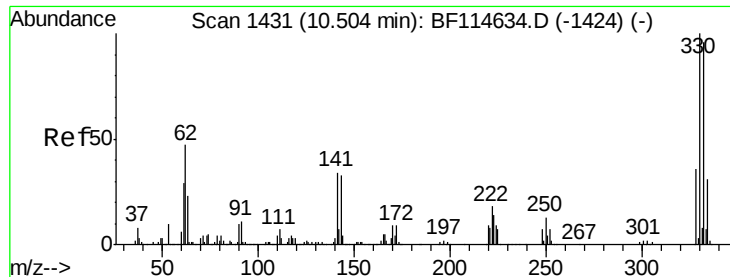
Tot Ion: 82 Resp: 2371185  
 Ion Ratio Lower Upper  
 82 100  
 128 51.5 41.7 62.5  
 54 48.5 37.5 56.3



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.01 min  
 Lab File: BF114699.D  
 Acq: 31 May 2019 11:07

Tgt Ion:164 Resp: 966227  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 83.0 124.4  
 160 46.9 38.2 57.2





#42

2,4,6-Tribromophenol

Concen: 122.109 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF114699.D

Acq: 31 May 2019 11:07

Instrument :

BNA\_F

ClientSampleId :

PB120049TB

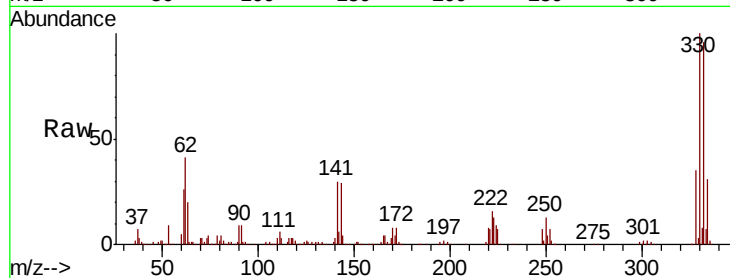
Tot Ion:330 Resp: 1124208

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

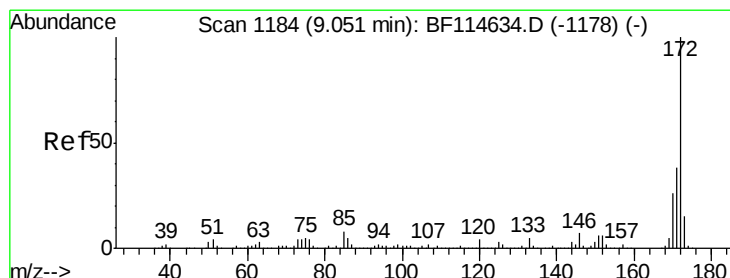
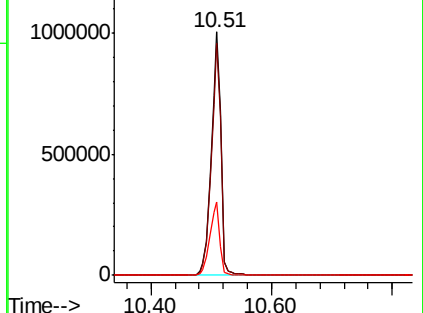
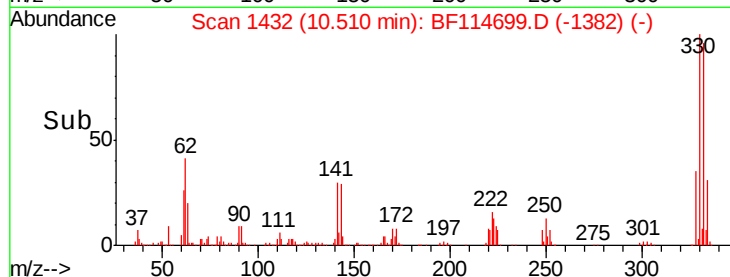
141 31.2 26.2 39.2



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: 79.626 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF114699.D

Acq: 31 May 2019 11:07

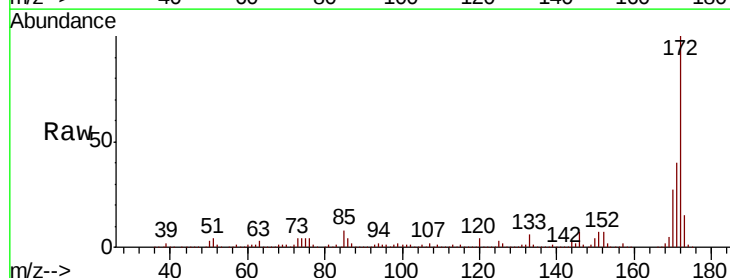
Tgt Ion:172 Resp: 4147717

Ion Ratio Lower Upper

172 100

171 39.7 31.6 47.4

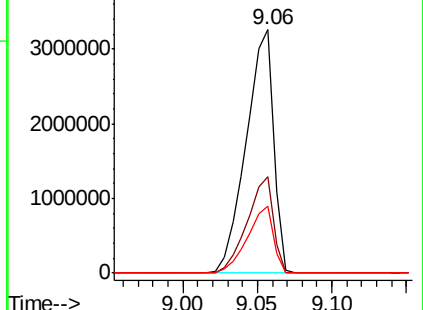
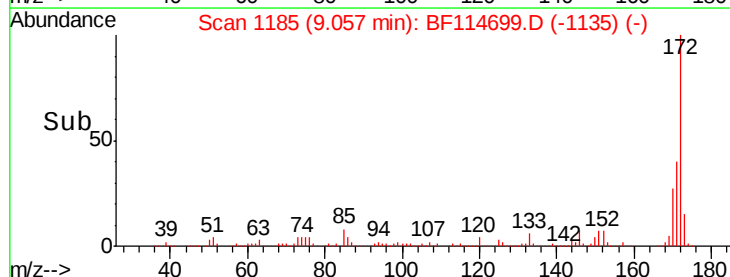
170 27.3 21.5 32.3

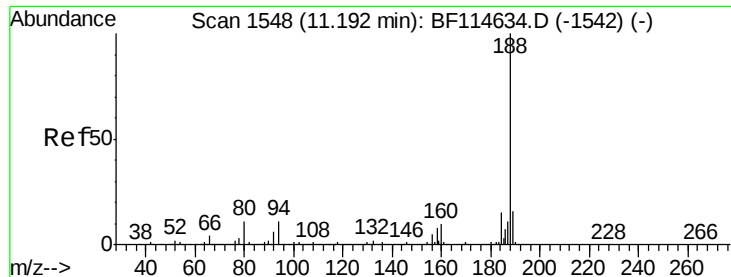


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

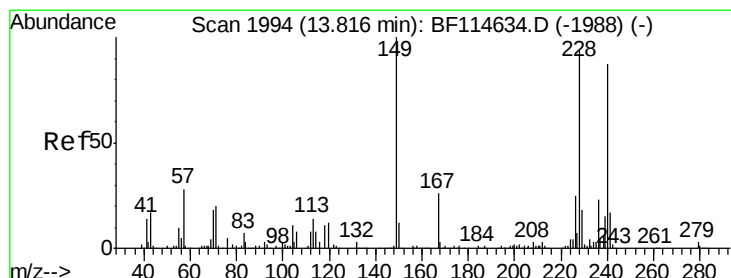
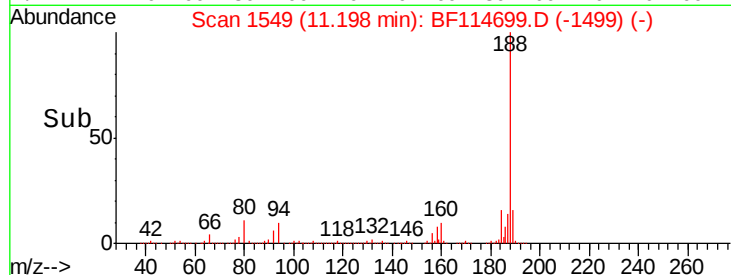
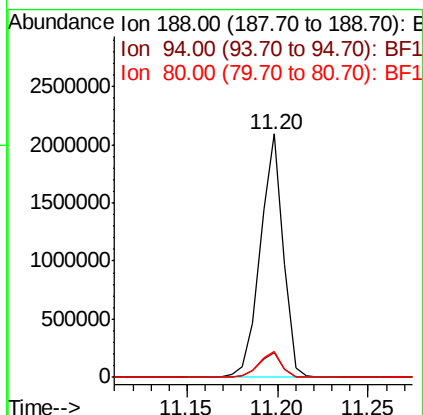
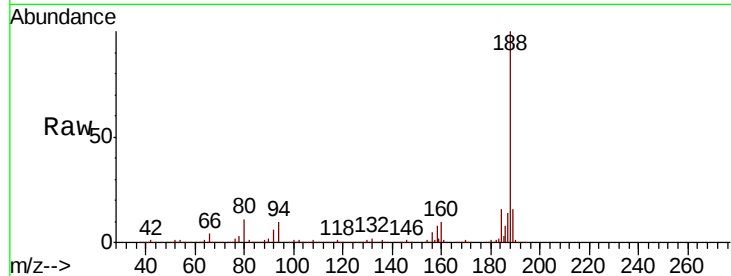




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF114699.D  
Acq: 31 May 2019 11:07

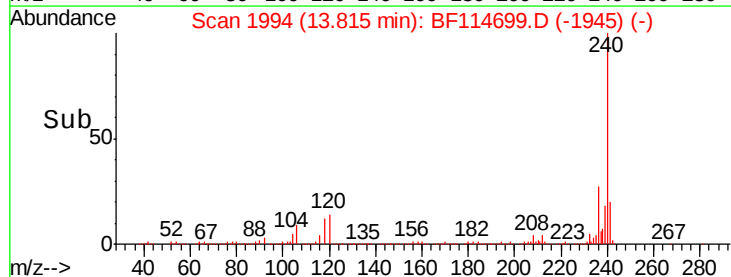
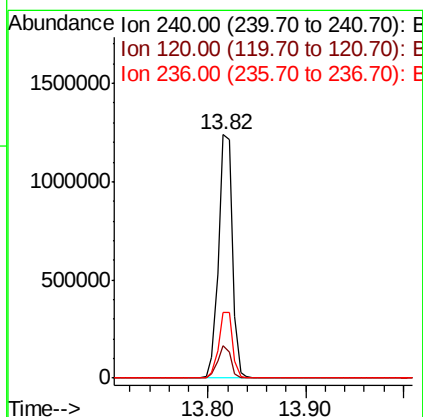
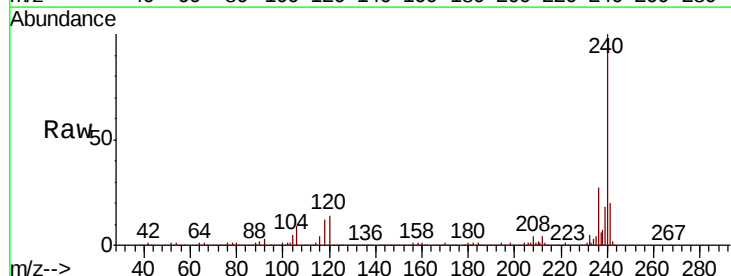
Instrument :  
BNA\_F  
ClientSampleId :  
PB120049TB

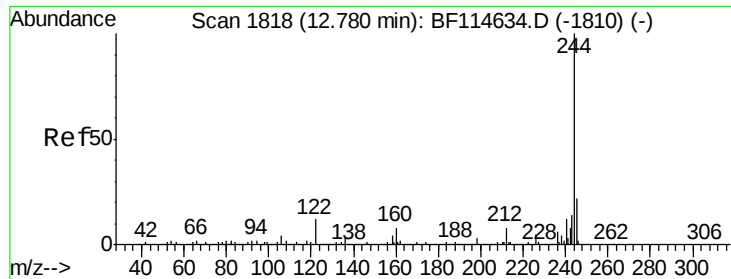
Tot Ion:188 Resp: 1833560  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.6 11.4  
80 10.5 8.2 12.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.82 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BF114699.D  
Acq: 31 May 2019 11:07

Tgt Ion:240 Resp: 1225086  
Ion Ratio Lower Upper  
240 100  
120 13.5 10.8 16.2  
236 26.8 21.9 32.9





#79

Terphenyl-d14

Concen: 66.417 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF114699.D

Acq: 31 May 2019 11:07

Instrument :

BNA\_F

ClientSampleId :

PB120049TB

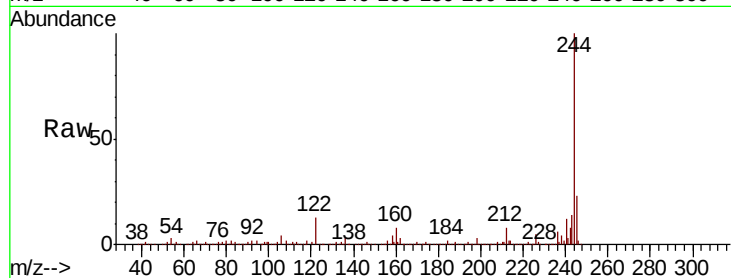
Tot Ion:244 Resp: 4327635

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

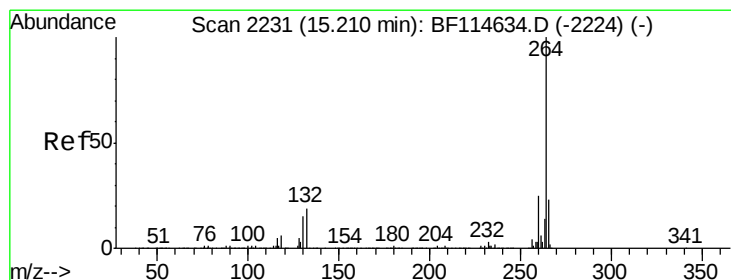
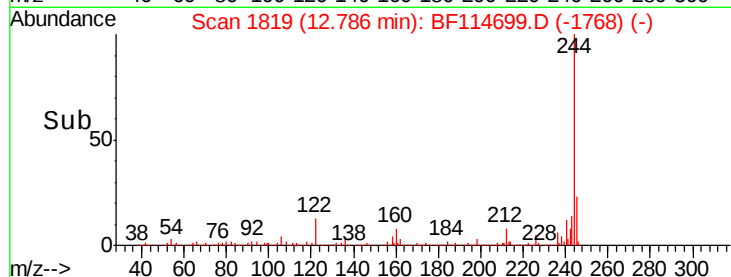
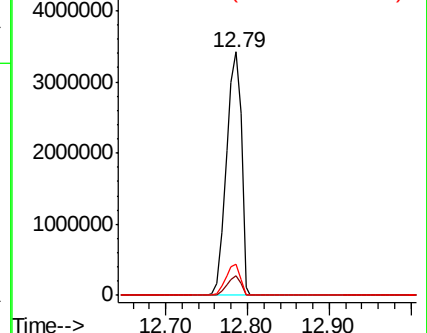
122 12.6 10.2 15.2



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: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF114699.D

Acq: 31 May 2019 11:07

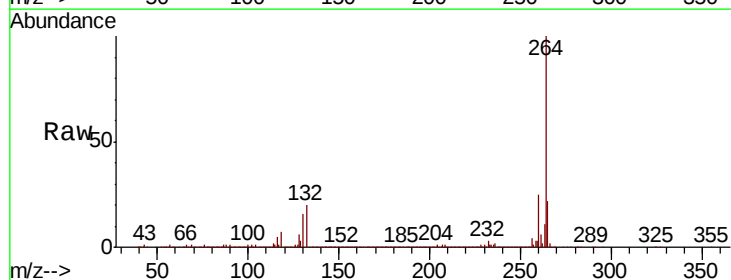
Tgt Ion:264 Resp: 1065938

Ion Ratio Lower Upper

264 100

260 24.6 20.3 30.5

265 21.8 18.0 27.0



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

