

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\  
 Data File : BF114842.D  
 Acq On : 6 Jun 2019 2:09  
 Operator : HP/JU  
 Sample : K3151-03 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AU-06-060419-B

Quant Time: Jun 06 07:56:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 04 16:57:15 2019  
 Response via : Initial Calibration

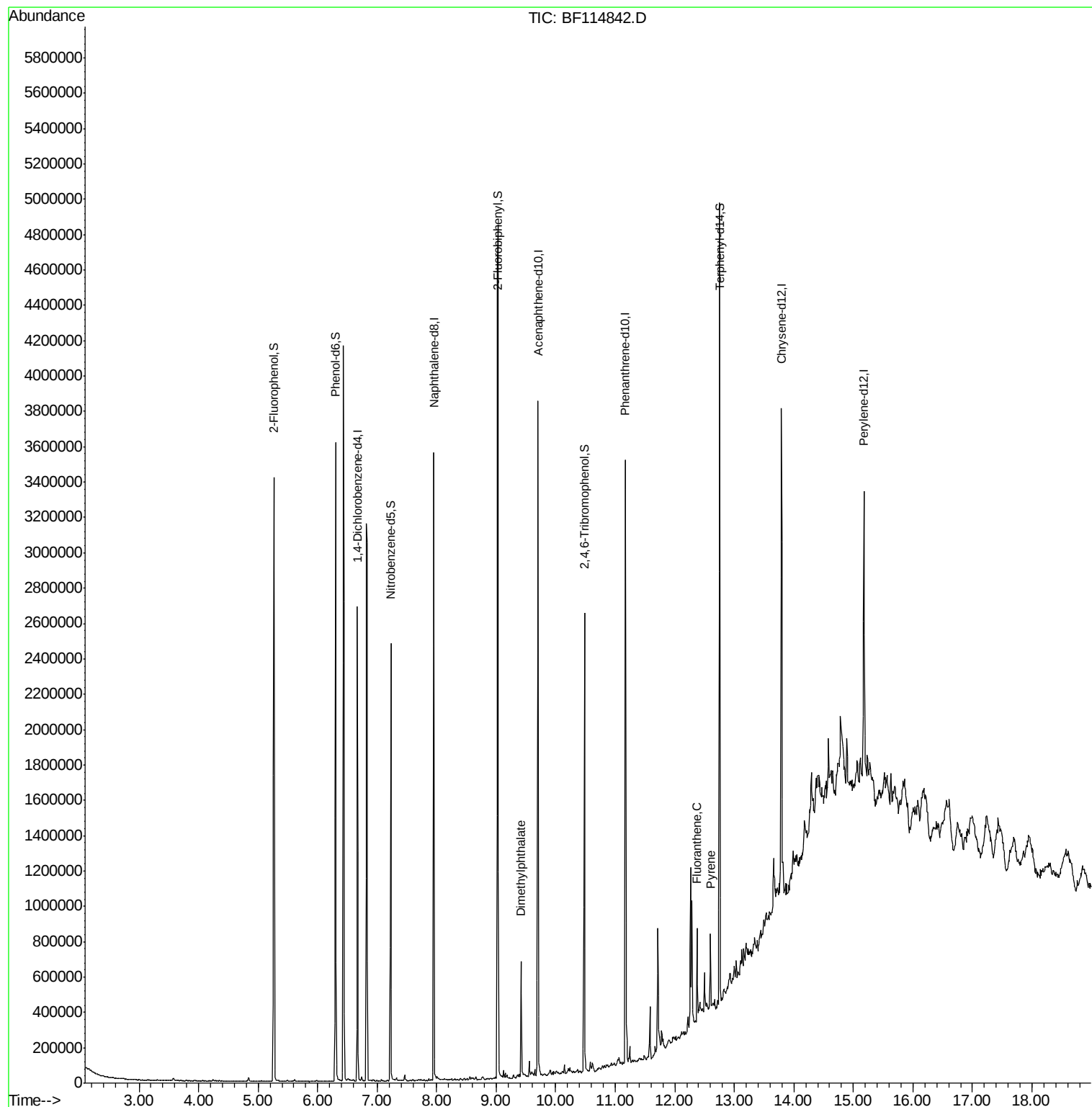
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 378083   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 1455406  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.70  | 164  | 722023   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.17 | 188  | 1280903  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.79 | 240  | 889973   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.18 | 264  | 714653   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 1025782  | 47.41 | ng    | 0.00     |
| 7) Phenol-d6                | 6.30  | 99   | 1273786  | 48.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 746945   | 31.59 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.48 | 330  | 336281   | 43.22 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 1545986  | 40.11 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.75 | 244  | 1517532  | 33.16 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 9.42  | 163  | 257196   | 4.877 | ng    | 97       |
| 75) Fluoranthene            | 12.37 | 202  | 128179   | 2.014 | ng    | 96       |
| 78) Pyrene                  | 12.60 | 202  | 162462   | 2.104 | ng    | 95       |

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

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AU-06-060419-B

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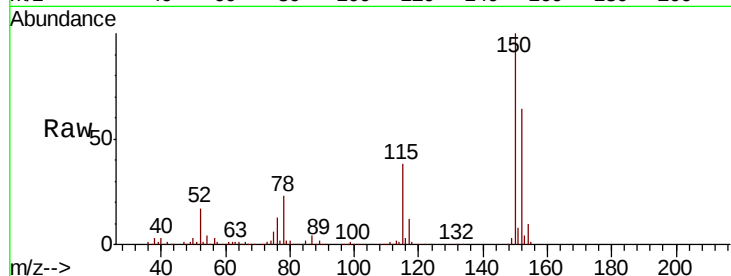


#1

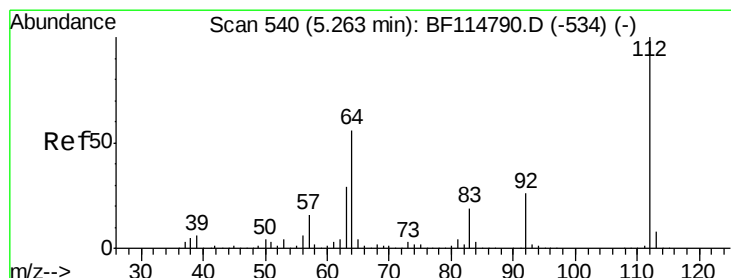
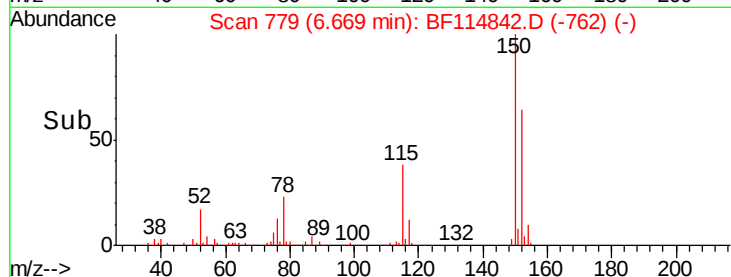
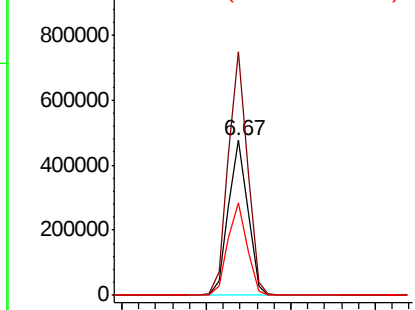
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 779  
Delta R.T. 0.00 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-060419-B

Tot Ion:152 Resp: 378083  
Ion Ratio Lower Upper  
152 100  
150 157.3 124.0 186.0  
115 59.7 46.3 69.5



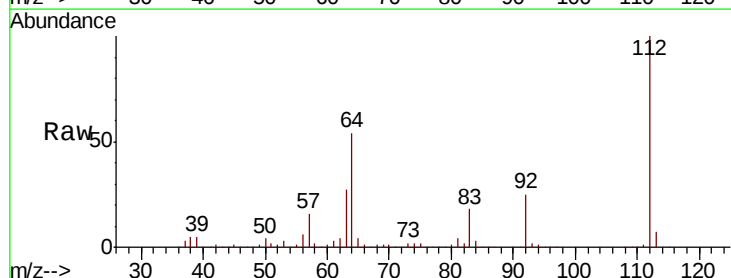
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



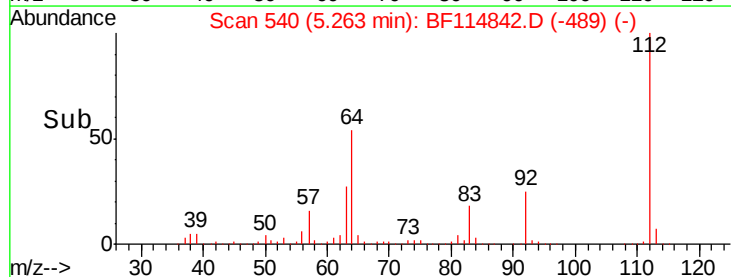
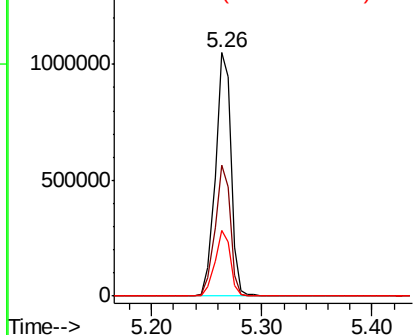
#5

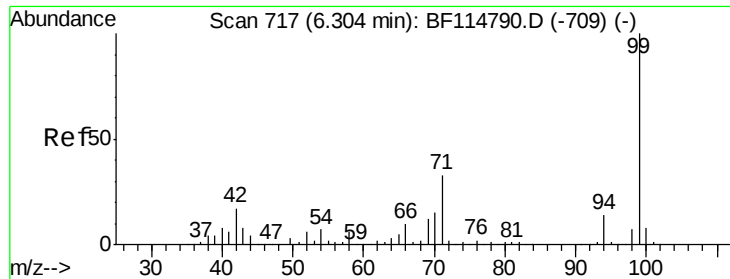
2-Fluorophenol  
Concen: 47.408 ng  
RT: 5.26 min Scan# 540  
Delta R.T. 0.00 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

Tgt Ion:112 Resp: 1025782  
Ion Ratio Lower Upper  
112 100  
64 54.0 44.6 66.8  
63 27.2 23.0 34.4



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: 48.380 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

Instrument :

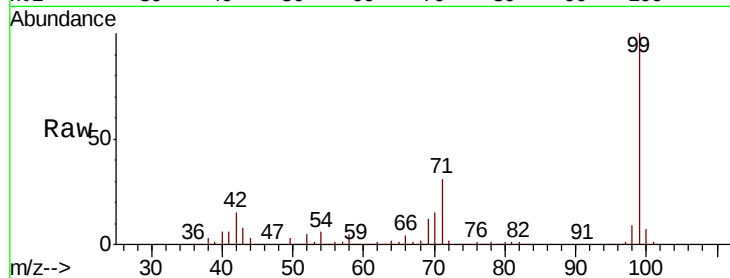
BNA\_F

ClientSampleId :

AU-06-060419-B

Tot Ion: 99 Resp: 1273786

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.3  | 13.3  | 19.9  |
| 71  | 31.1  | 26.3  | 39.5  |

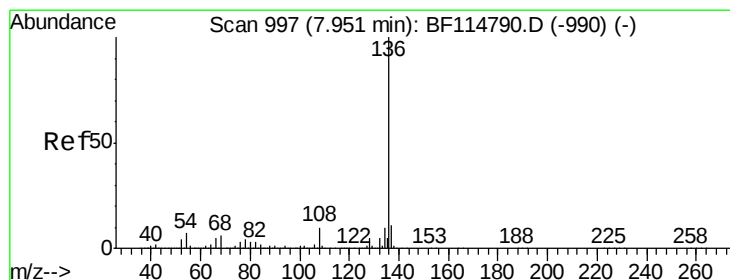
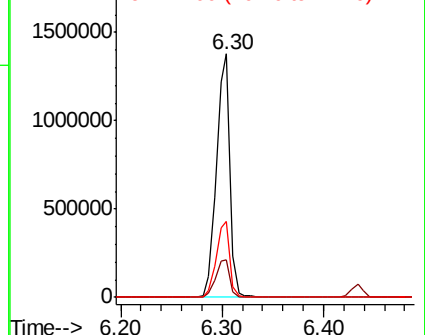
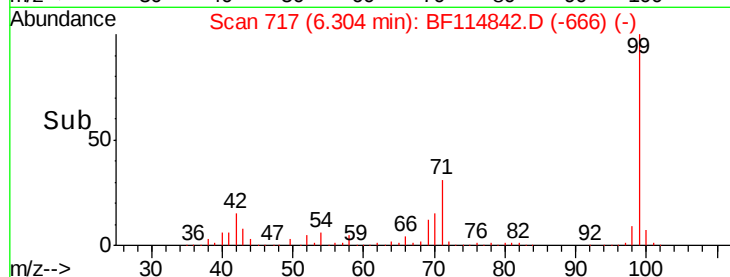


Abundance

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: 7.95 min Scan# 997

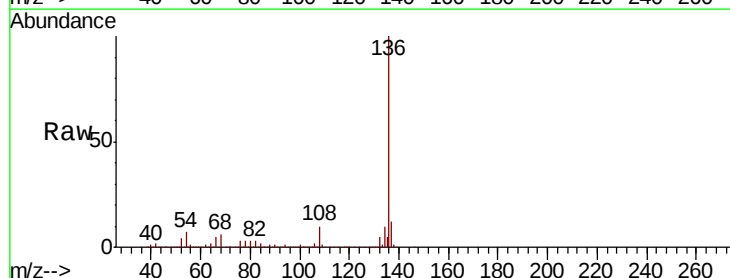
Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

Tgt Ion: 136 Resp: 1455406

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.6  | 9.1   | 13.7  |
| 54  | 6.7   | 5.4   | 8.0   |
| 68  | 6.0   | 4.6   | 6.8   |



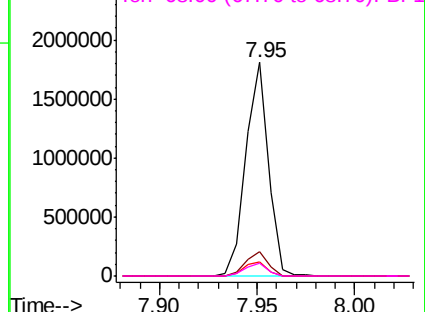
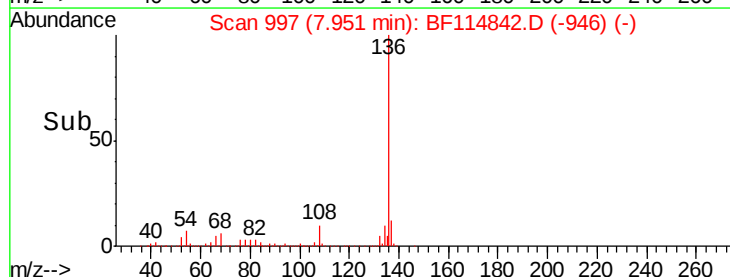
Abundance

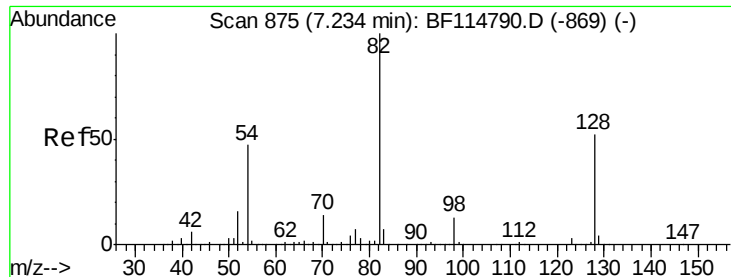
Ion 136.00 (135.70 to 136.70): E

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

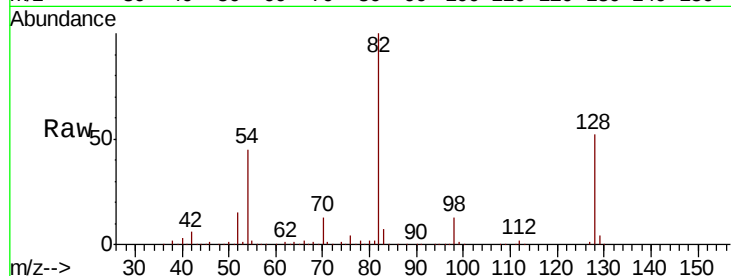




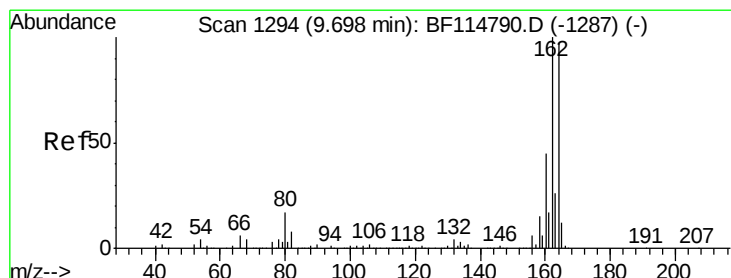
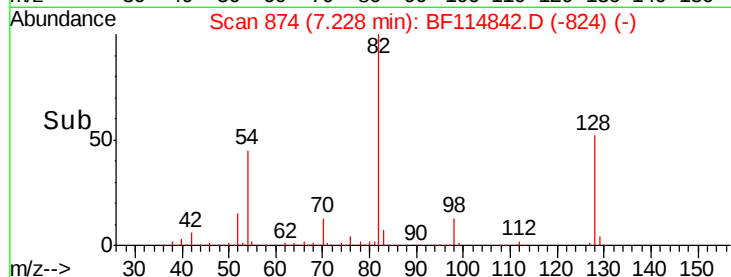
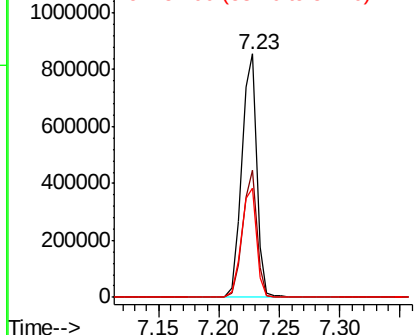
#23  
Nitrobenzene-d5  
Concen: 31.593 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-060419-B

Tot Ion: 82 Resp: 746945  
Ion Ratio Lower Upper  
82 100  
128 52.0 41.8 62.6  
54 44.9 37.9 56.9

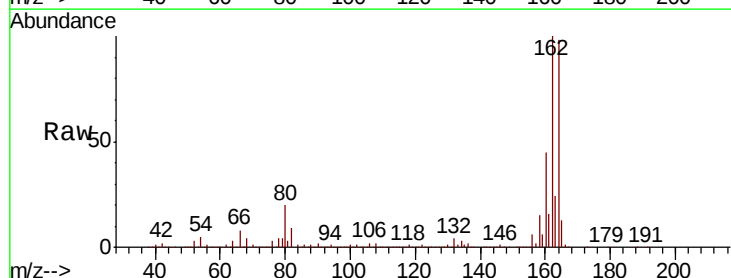


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

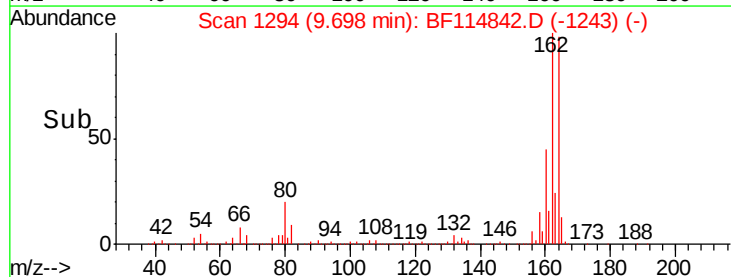
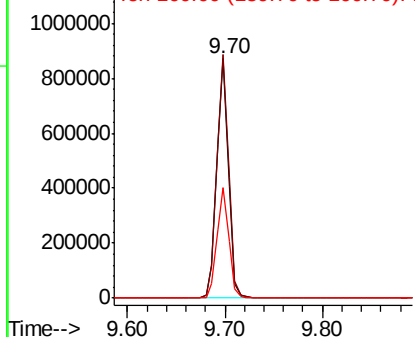


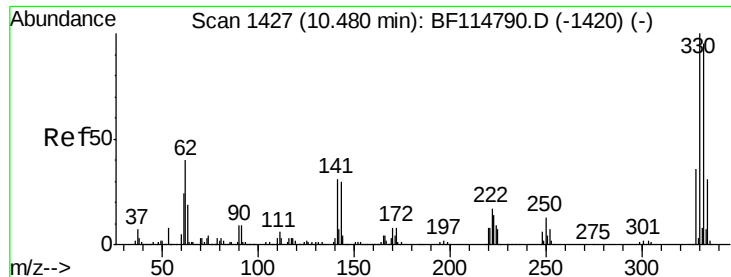
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

Tgt Ion: 164 Resp: 722023  
Ion Ratio Lower Upper  
164 100  
162 101.6 82.3 123.5  
160 46.0 36.7 55.1



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: 43.219 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

Instrument :

BNA\_F

ClientSampleId :

AU-06-060419-B

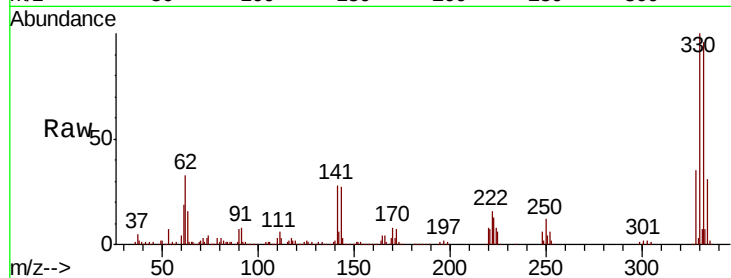
Tot Ion:330 Resp: 336281

Ion Ratio Lower Upper

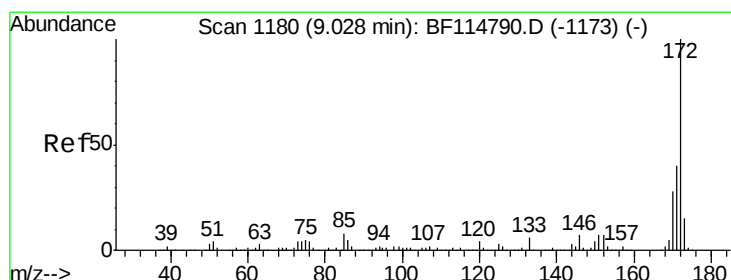
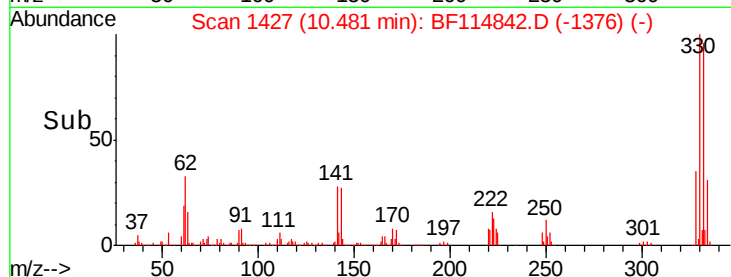
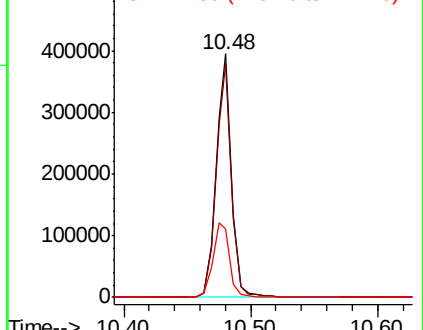
330 100

332 96.1 77.3 115.9

141 33.5 26.2 39.4



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: 40.110 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

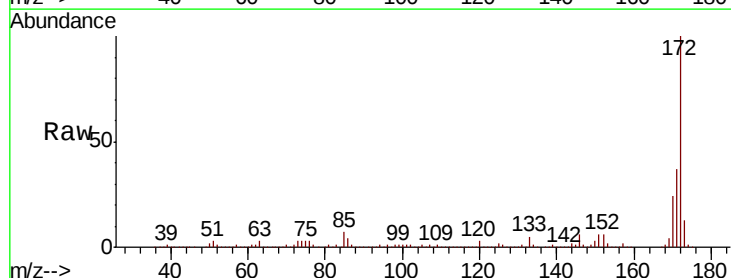
Tgt Ion:172 Resp: 1545986

Ion Ratio Lower Upper

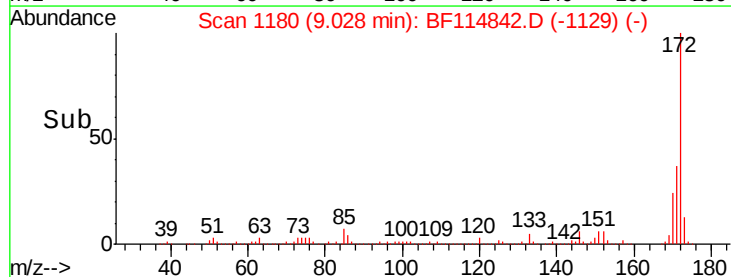
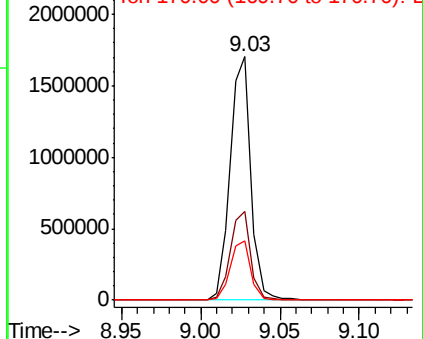
172 100

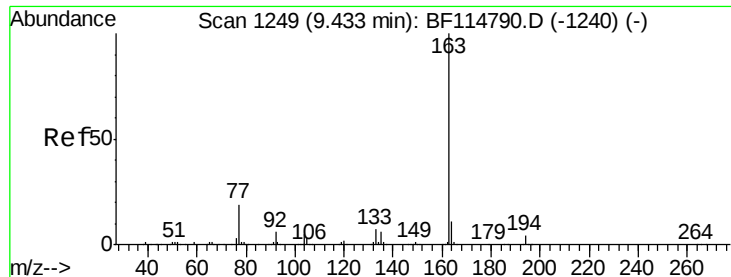
171 36.6 32.3 48.5

170 24.5 22.4 33.6



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





#50

Dimethylphthalate

Concen: 4.877 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

Instrument :

BNA\_F

ClientSampleId :

AU-06-060419-B

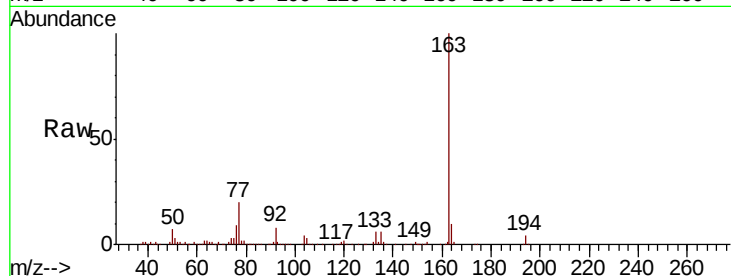
Tot Ion:163 Resp: 257196

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

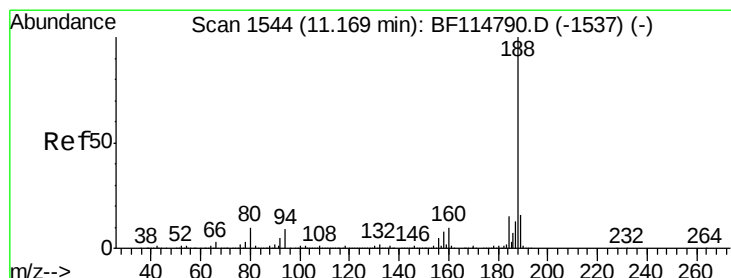
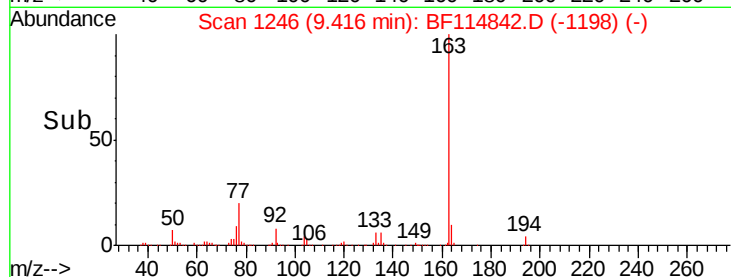
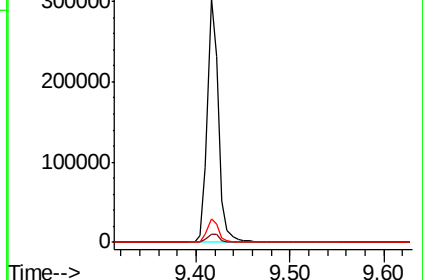
164 9.7 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

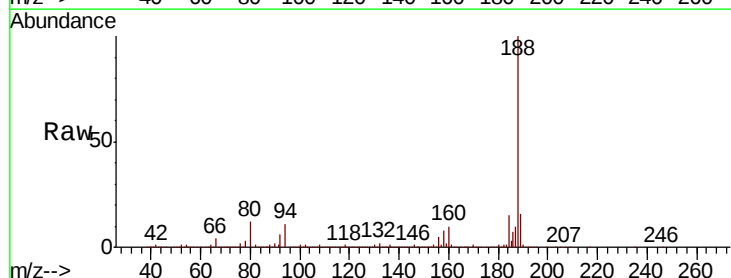
Tgt Ion:188 Resp: 1280903

Ion Ratio Lower Upper

188 100

94 10.9 7.6 11.4

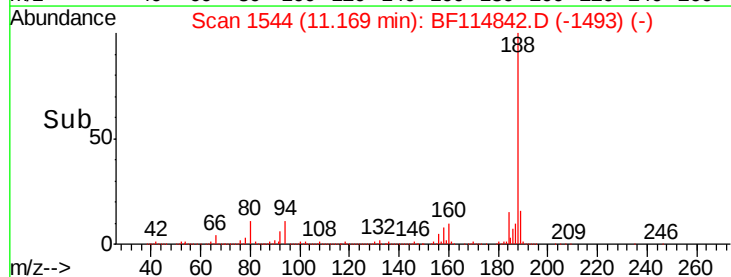
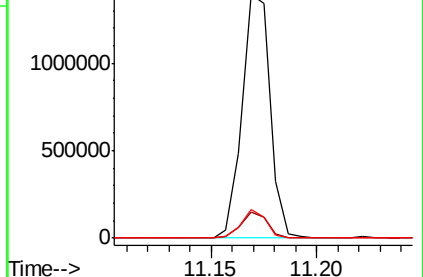
80 11.5 8.3 12.5

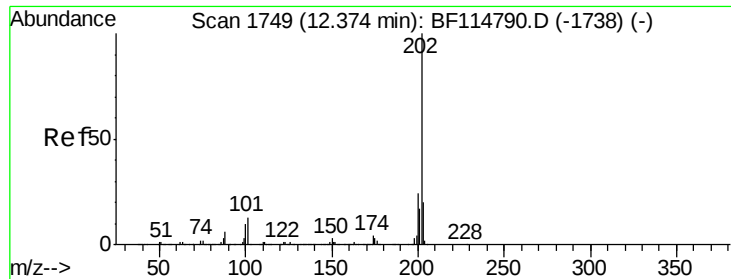


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.014 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

Instrument :

BNA\_F

ClientSampleId :

AU-06-060419-B

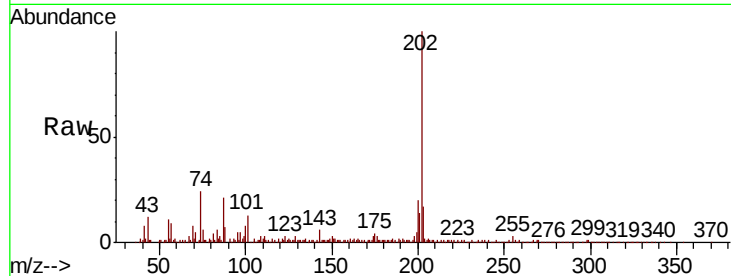
Tot Ion:202 Resp: 128179

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.8

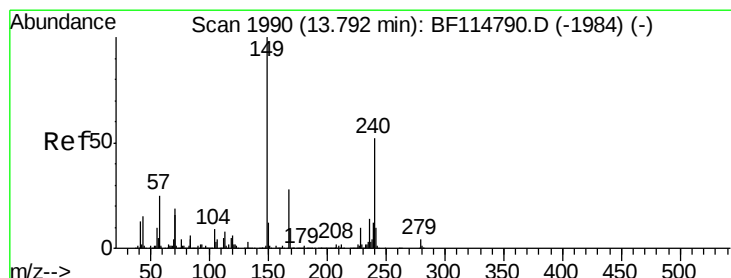
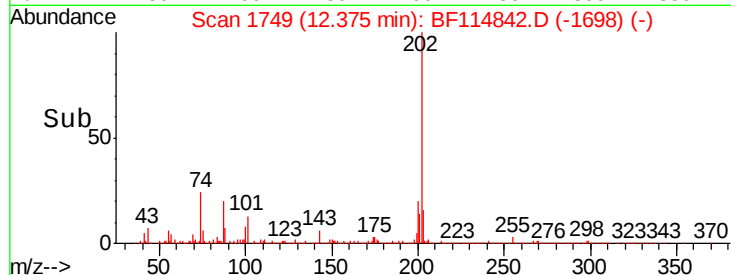
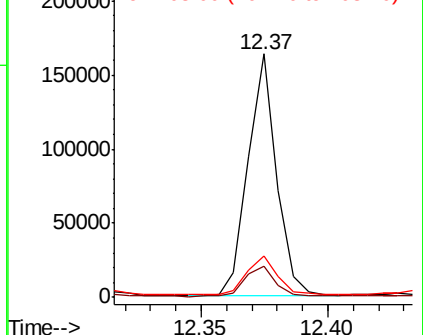
203 16.9 0.2 40.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF114842.D

Acq: 6 Jun 2019 2:09

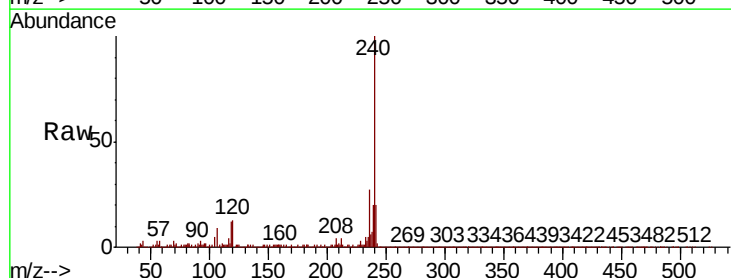
Tgt Ion:240 Resp: 889973

Ion Ratio Lower Upper

240 100

120 13.2 9.0 13.4

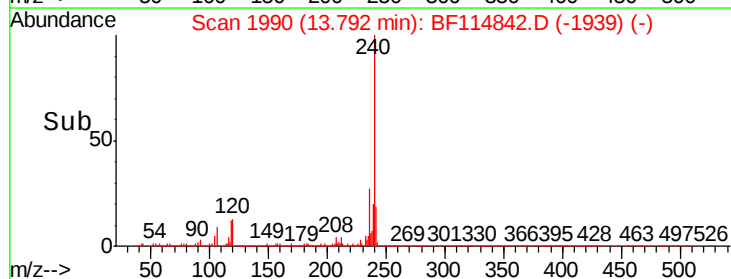
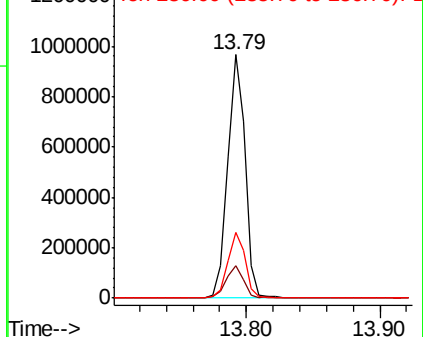
236 27.0 21.4 32.0

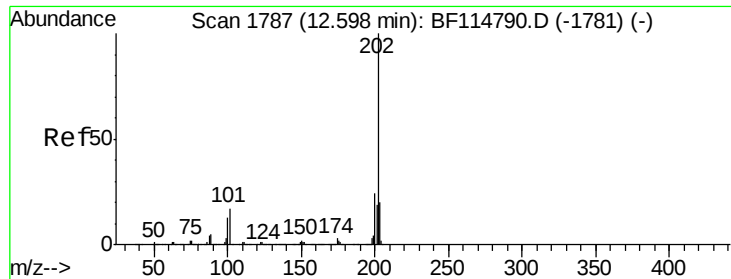


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

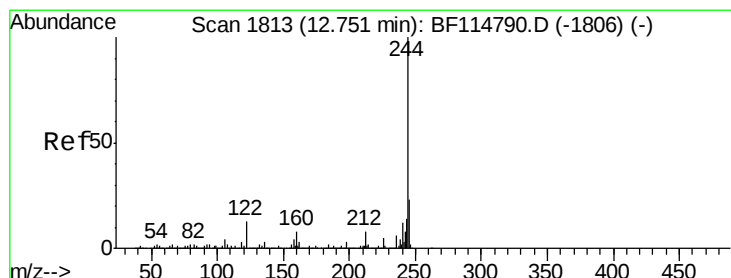
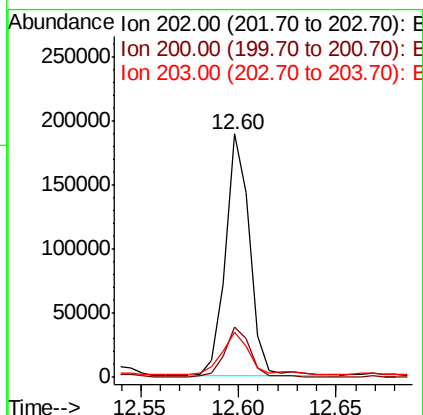
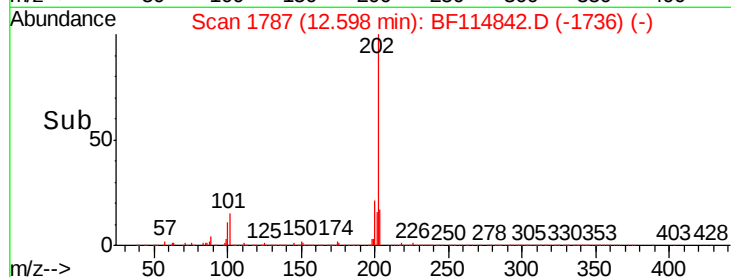
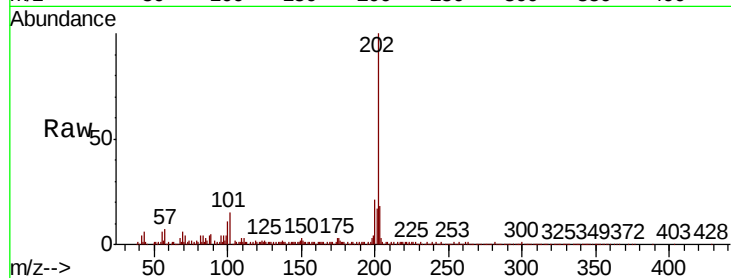




#78  
Pvrene  
Concen: 2.104 ng  
RT: 12.60 min Scan# 1787  
Delta R.T. 0.00 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

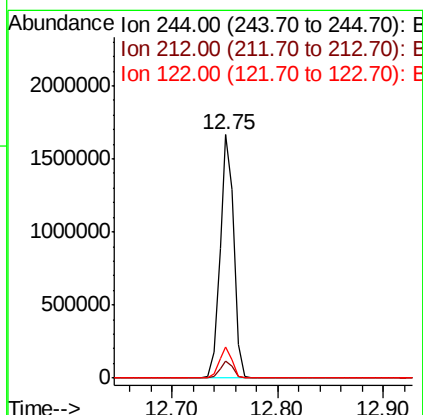
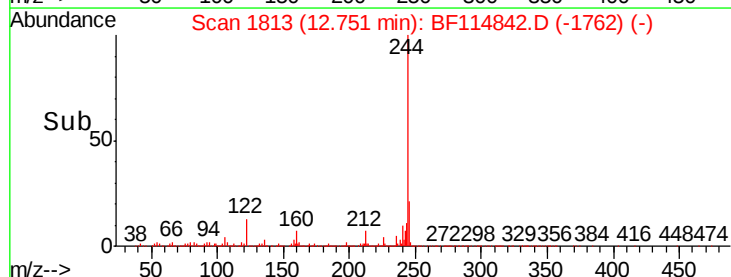
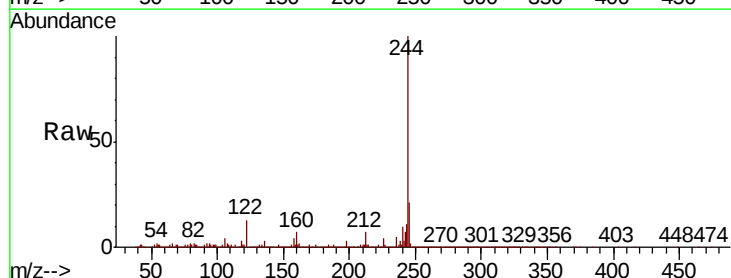
Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-060419-B

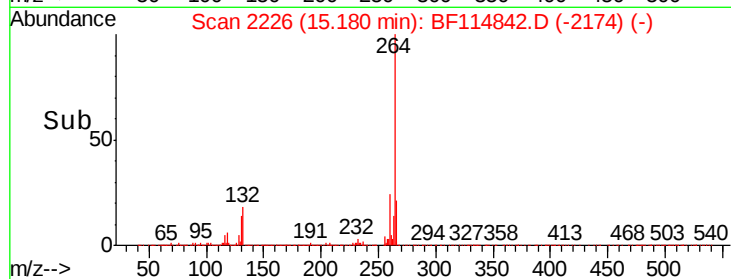
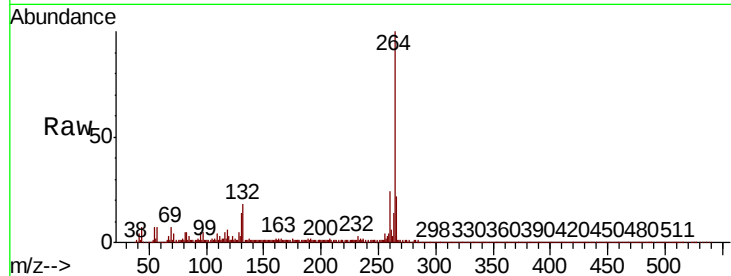
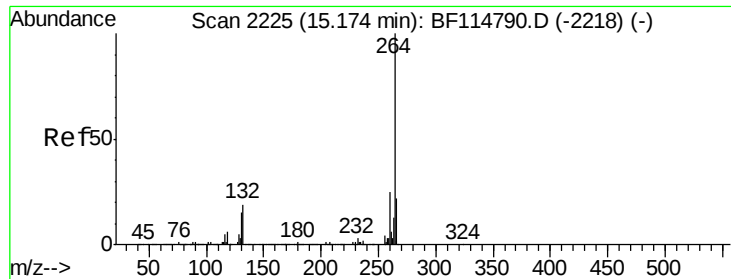
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.9  | 19.2  | 28.8  |
| 203     | 18.3  | 15.9  | 23.9  |



#79  
Terphenyl-d14  
Concen: 33.161 ng  
RT: 12.75 min Scan# 1813  
Delta R.T. 0.00 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 6.5   | 9.7   |
| 122     | 12.8  | 10.5  | 15.7  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.18 min Scan# 2226  
Delta R.T. 0.01 min  
Lab File: BF114842.D  
Acq: 6 Jun 2019 2:09

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-060419-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 20.1  | 30.1  |
| 265     | 21.5  | 17.7  | 26.5  |

