

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051719\  
 Data File : BF114372.D  
 Acq On : 18 May 2019 2:02  
 Operator : JU/SJ  
 Sample : K2894-15  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5-6

Quant Time: May 18 07:17:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

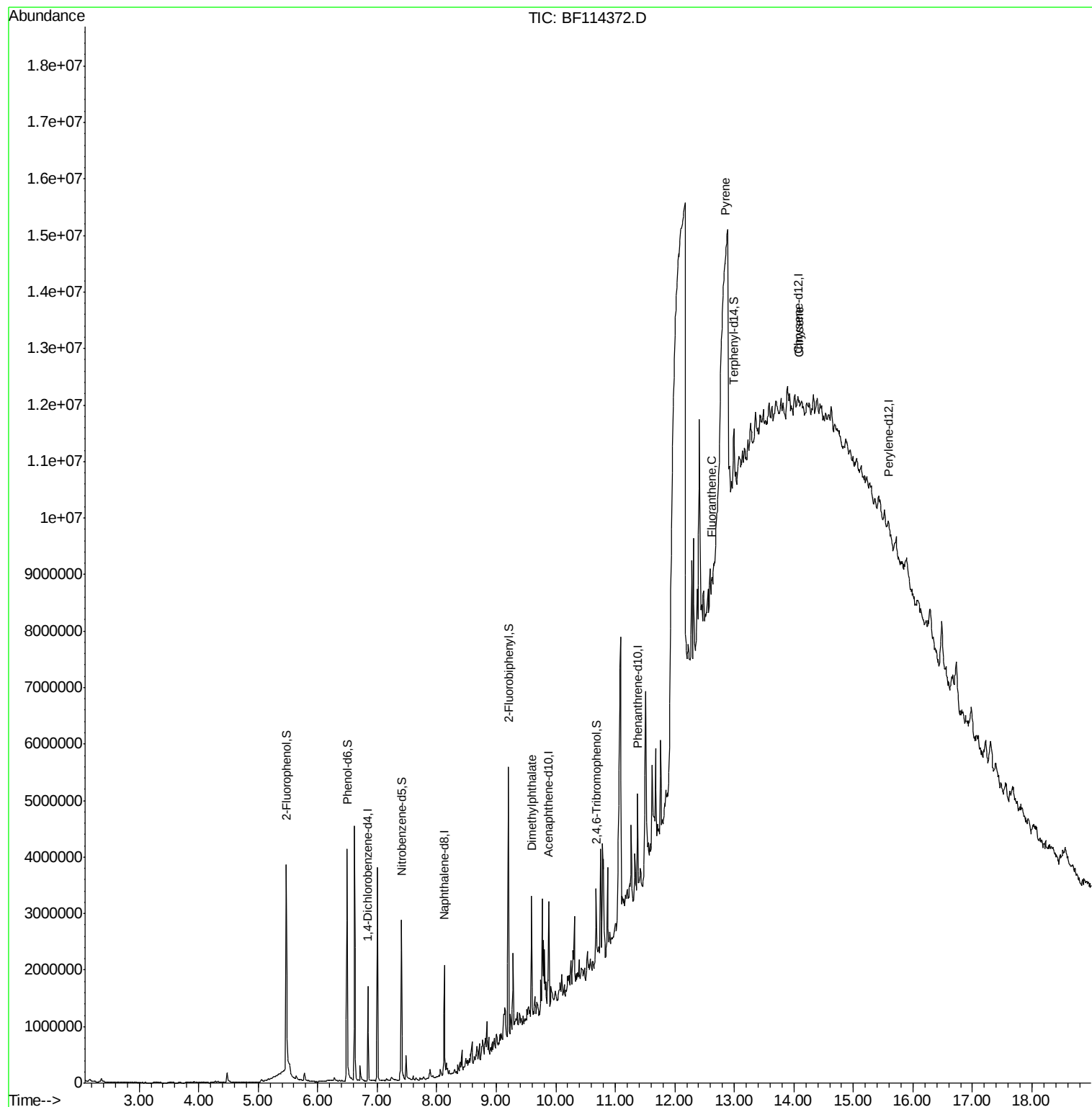
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 222156   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.13  | 136  | 816366   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 9.88  | 164  | 324024   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 11.37 | 188  | 517325   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 14.08 | 240  | 134593   | 20.00  | ng    | 0.06           |
| 87) Perylene-d12            | 15.59 | 264  | 146450   | 20.00  | ng    | 0.09           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1101650  | 79.80  | ng    | 0.00           |
| 7) Phenol-d6                | 6.49  | 99   | 1445722  | 88.55  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 861295   | 59.21  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 173467   | 51.78  | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1385794  | 64.69  | ng    | 0.00           |
| 79) Terphenyl-d14           | 12.99 | 244  | 637008   | 97.56  | ng    | 0.04           |
| Target Compounds            |       |      |          |        |       |                |
| 50) Dimethylphthalate       | 9.59  | 163  | 242183   | 10.182 | ng    | Qvalue<br># 88 |
| 75) Fluoranthene            | 12.61 | 202  | 109114   | 4.026  | ng    | 70             |
| 78) Pyrene                  | 12.84 | 202  | 59090    | 5.457  | ng    | # 65           |
| 83) Chrysene                | 14.10 | 228  | 127627   | 14.956 | ng    | # 69           |

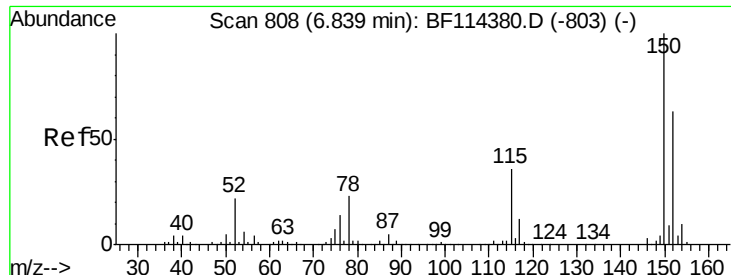
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 10 15:56:46 2019  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA\_F

ClientSampleId :

SB-03-5-6

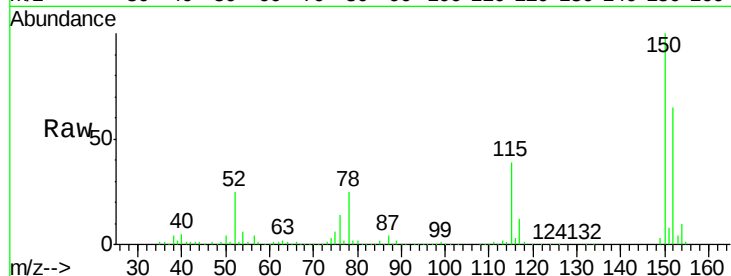
Tgt Ion:152 Resp: 222156

Ion Ratio Lower Upper

152 100

150 155.0 124.3 186.5

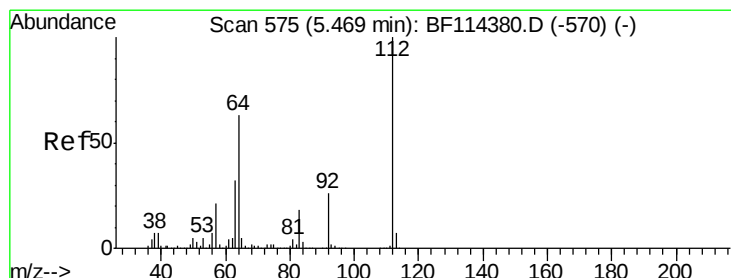
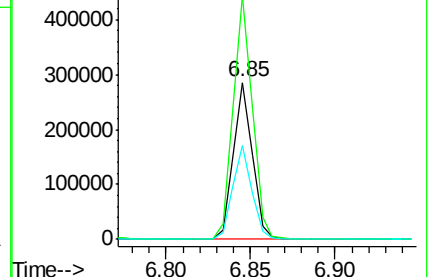
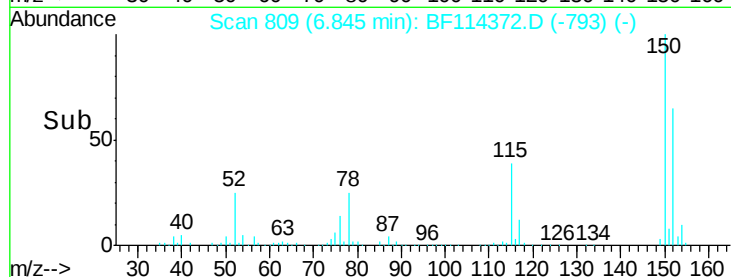
115 60.0 49.1 73.7



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: 79.802 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

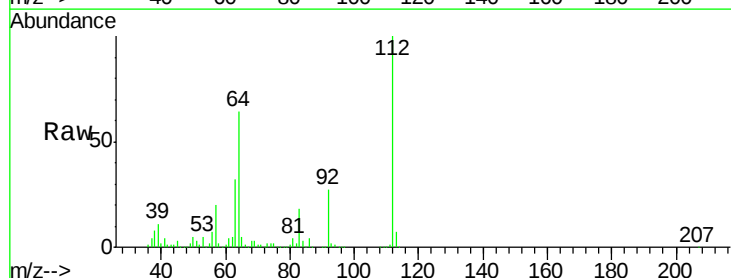
Tgt Ion:112 Resp: 1101650

Ion Ratio Lower Upper

112 100

64 63.8 49.0 73.6

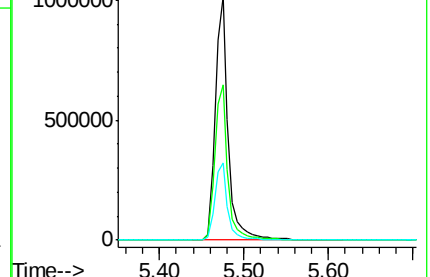
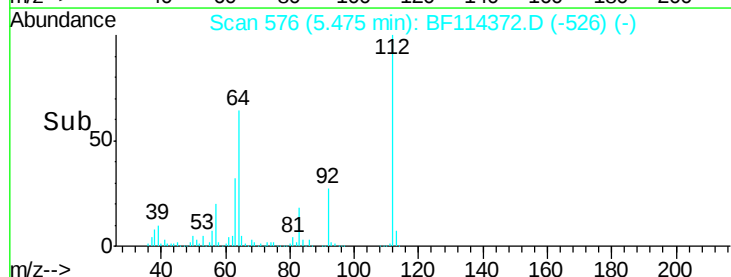
63 31.9 24.6 37.0

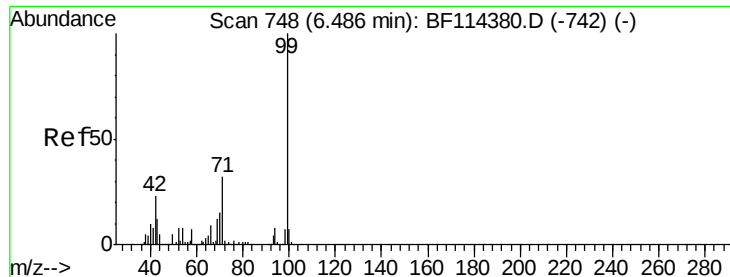


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.546 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA\_F

ClientSampleId :

SB-03-5-6

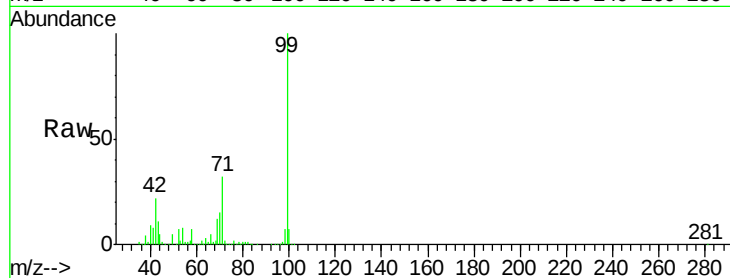
Tgt Ion: 99 Resp: 1445722

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

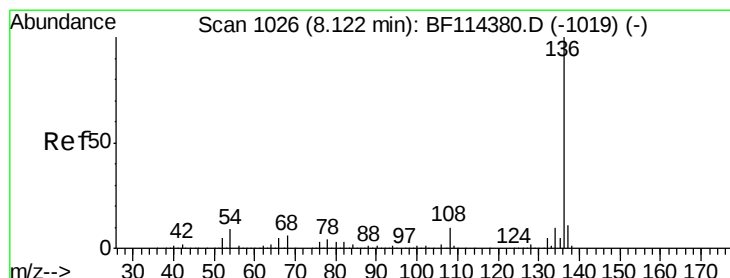
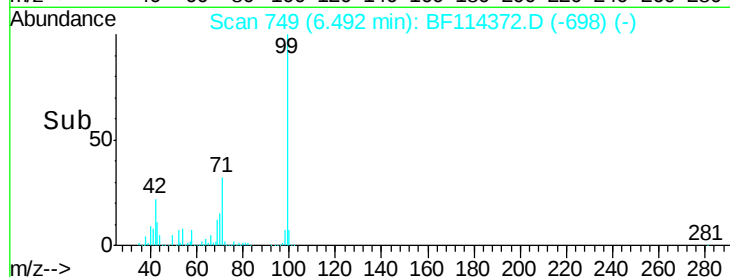
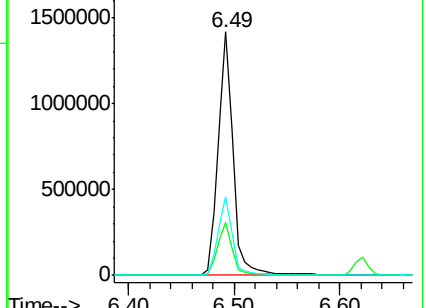
71 32.4 26.2 39.2



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Tgt Ion: 136 Resp: 816366

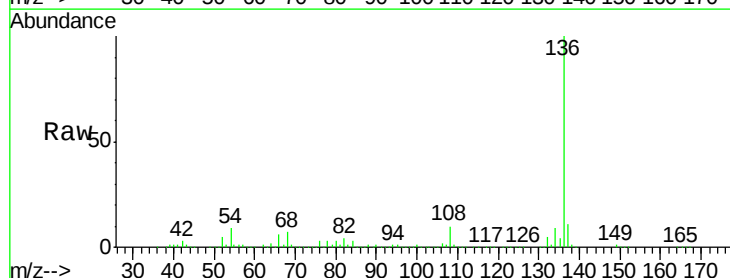
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.4 7.8 11.8

68 6.8 5.1 7.7

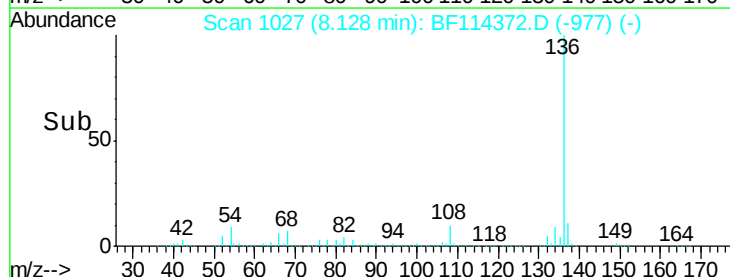
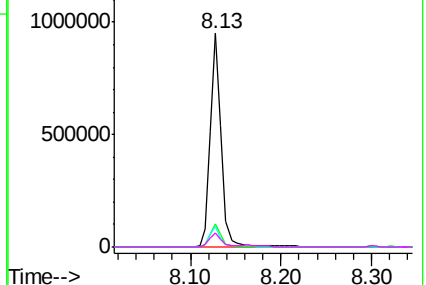


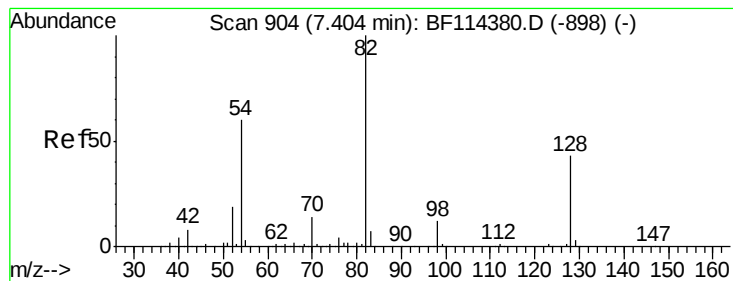
Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.209 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA\_F

ClientSampleId :

SB-03-5-6

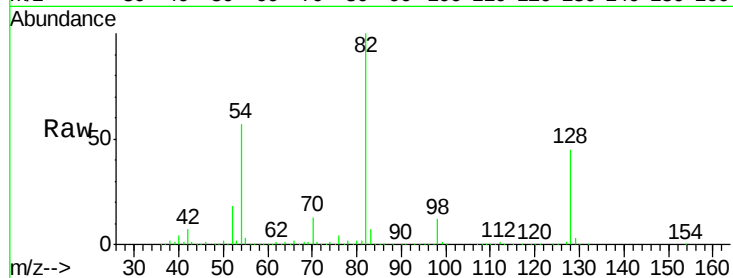
Tgt Ion: 82 Resp: 861295

Ion Ratio Lower Upper

82 100

128 45.5 35.5 53.3

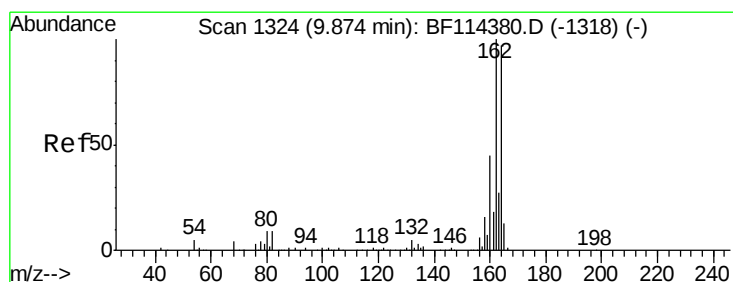
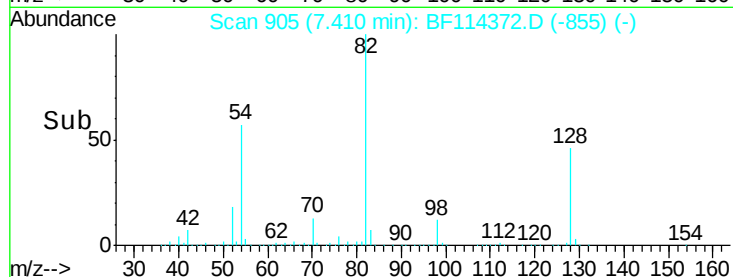
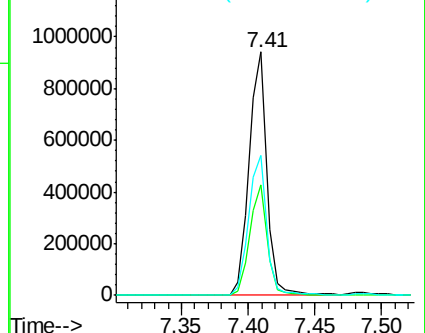
54 57.3 48.5 72.7



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

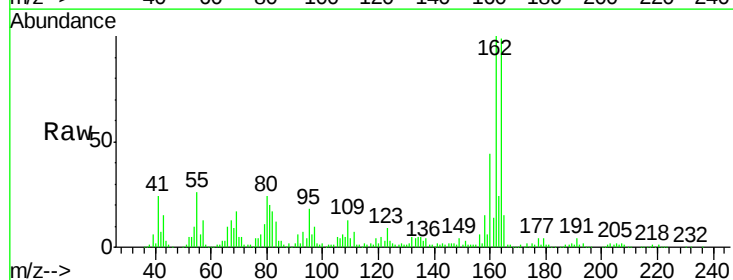
Tgt Ion: 164 Resp: 324024

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

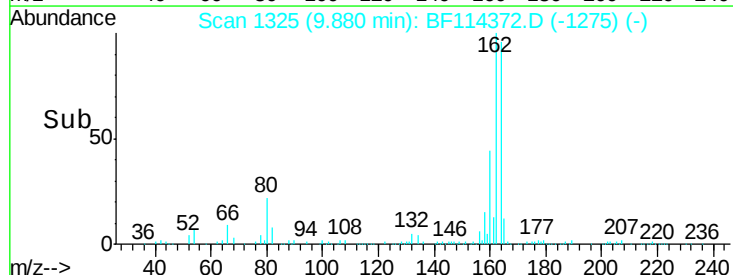
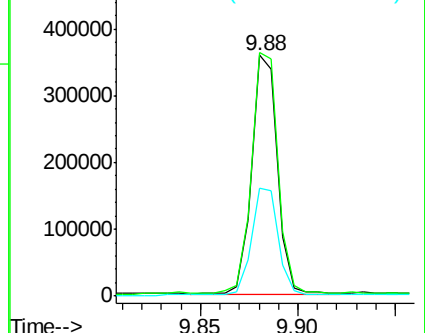
160 44.8 36.5 54.7

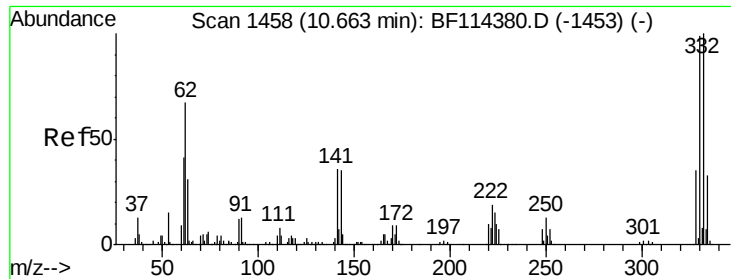


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 51.783 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA\_F

ClientSampleId :

SB-03-5-6

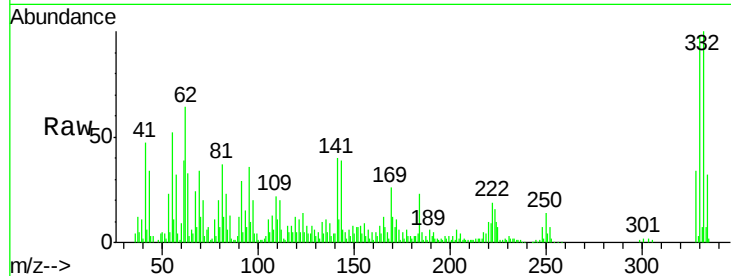
Tgt Ion:330 Resp: 173467

Ion Ratio Lower Upper

330 100

332 102.4 81.4 122.2

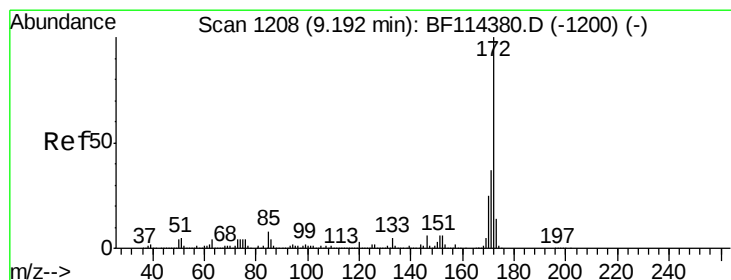
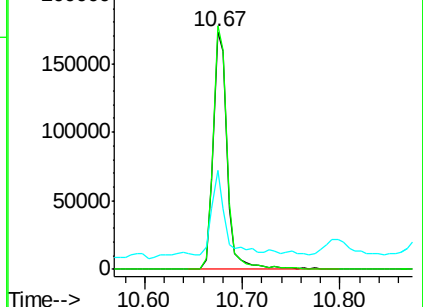
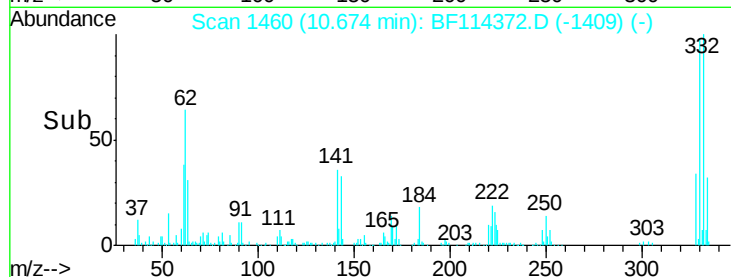
141 34.0 26.6 40.0



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: 64.694 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

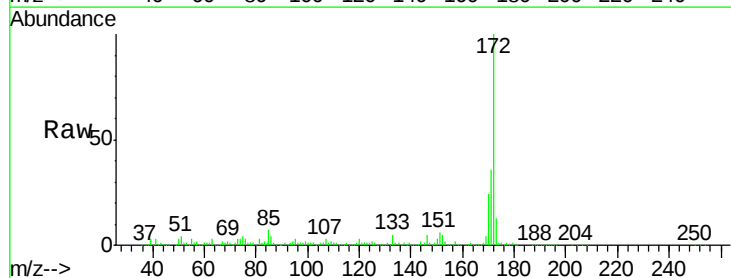
Tgt Ion:172 Resp: 1385794

Ion Ratio Lower Upper

172 100

171 35.7 30.7 46.1

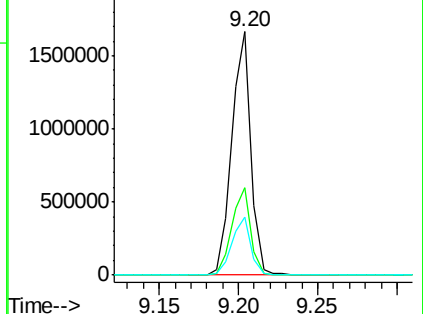
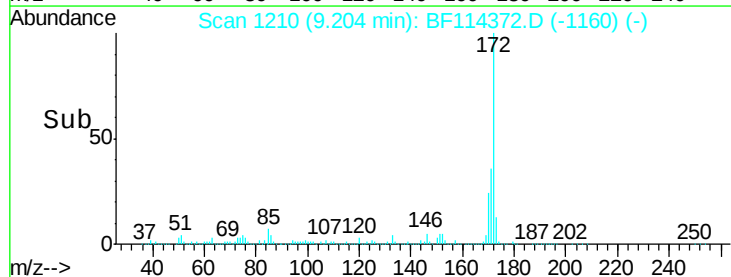
170 24.0 20.5 30.7

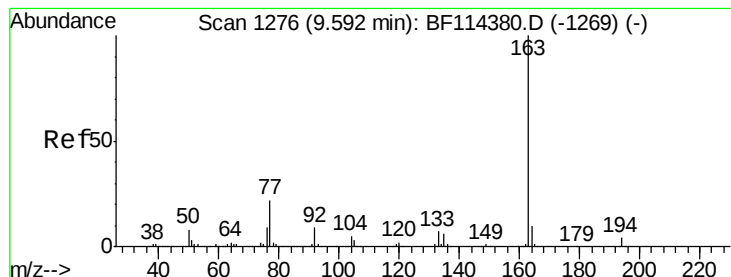


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.182 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

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ClientSampleId :

SB-03-5-6

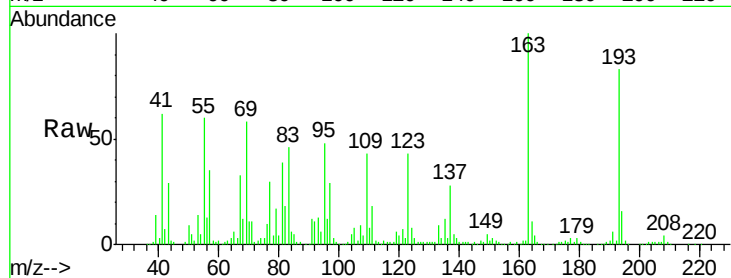
Tgt Ion:163 Resp: 242183

Ion Ratio Lower Upper

163 100

194 16.2 3.4 5.0#

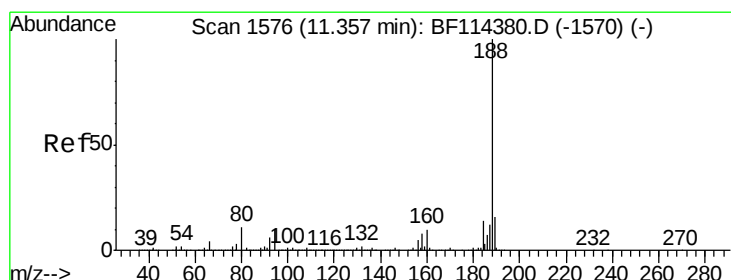
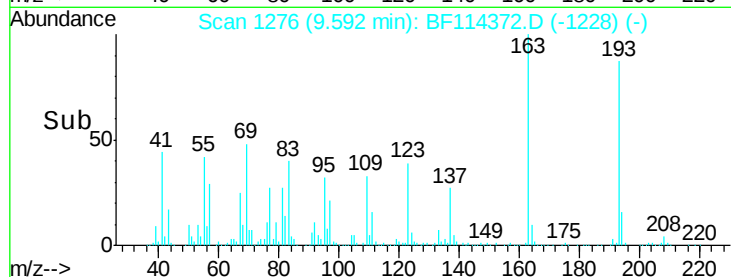
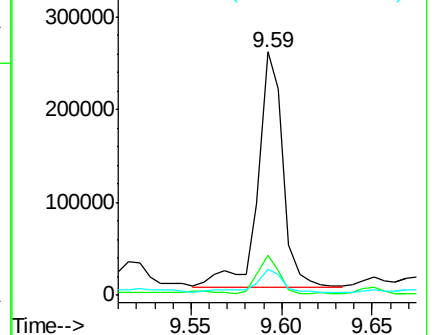
164 10.9 8.2 12.2



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: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

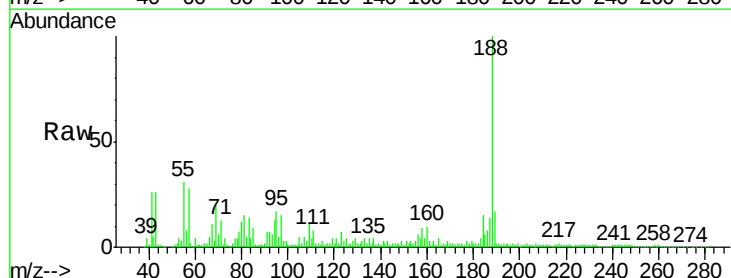
Tgt Ion:188 Resp: 517325

Ion Ratio Lower Upper

188 100

94 12.5 8.4 12.6

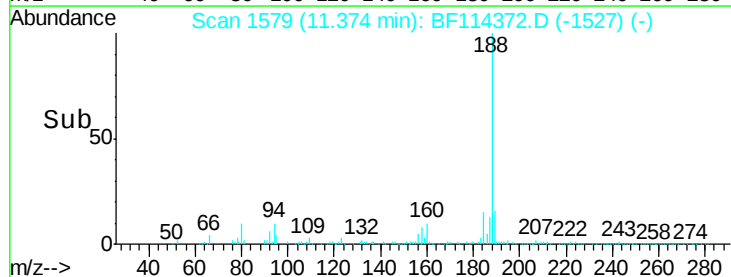
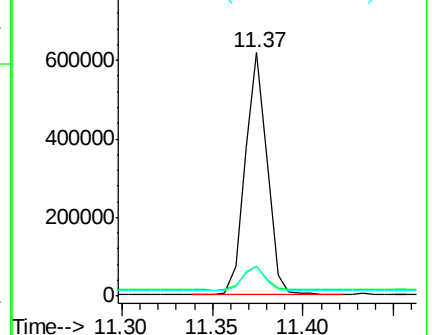
80 12.3 9.2 13.8

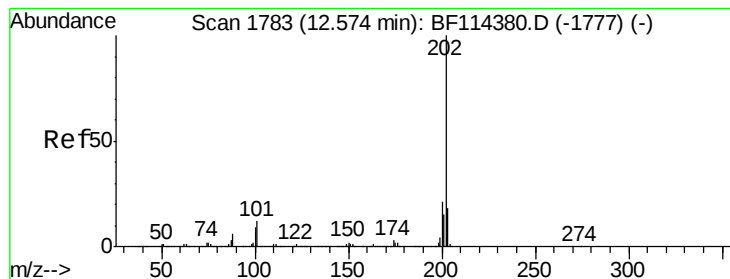


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 4.026 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.02 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA\_F

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SB-03-5-6

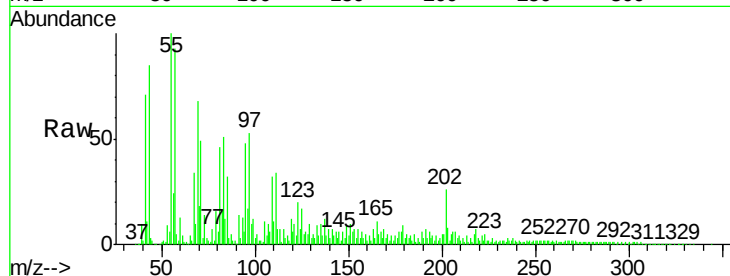
Tgt Ion: 202 Resp: 109114

Ion Ratio Lower Upper

202 100

101 21.0 0.0 31.0

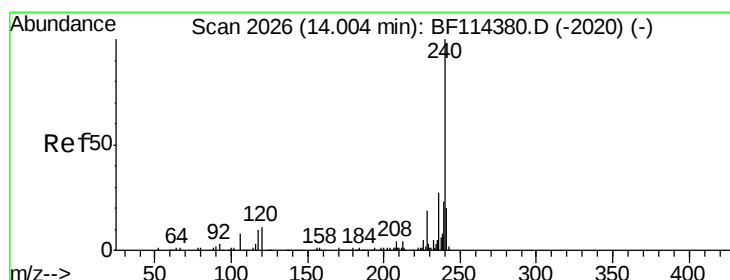
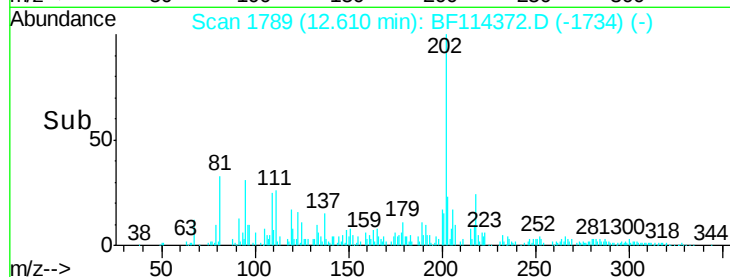
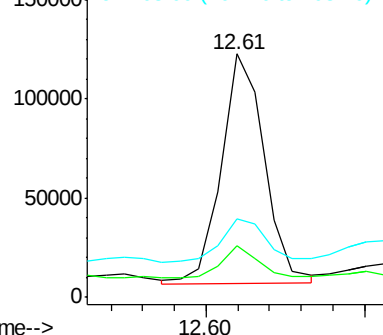
203 32.4 0.0 38.4



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: 14.08 min Scan# 2039

Delta R.T. 0.06 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

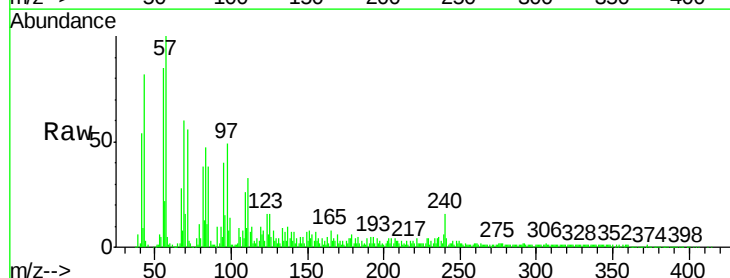
Tgt Ion: 240 Resp: 134593

Ion Ratio Lower Upper

240 100

120 35.3 8.3 12.5#

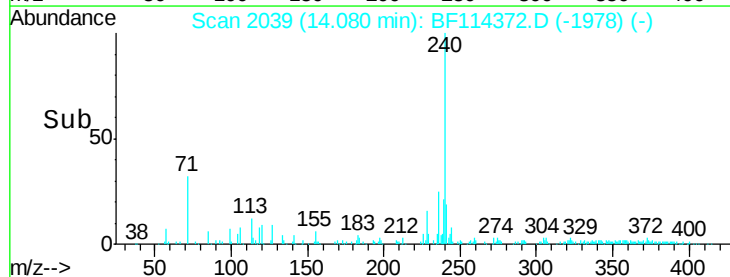
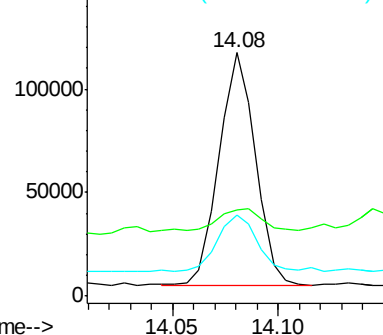
236 33.4 20.8 31.2#

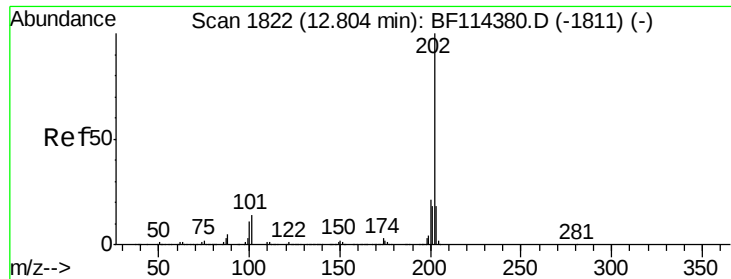


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

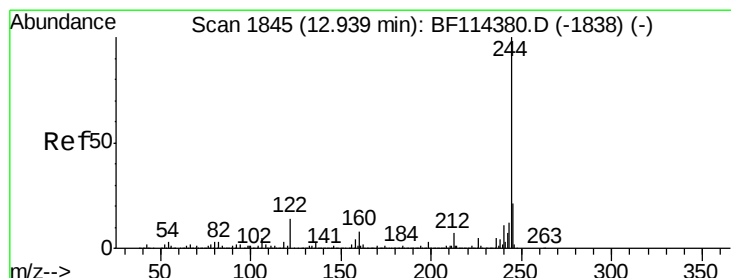
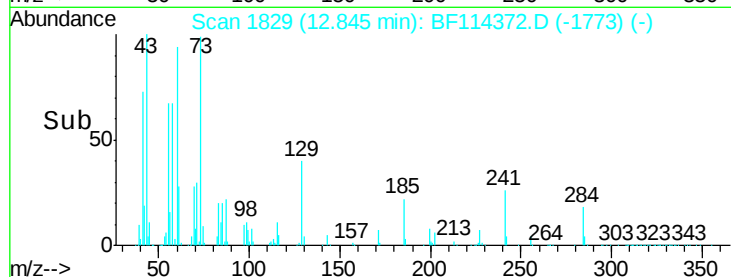
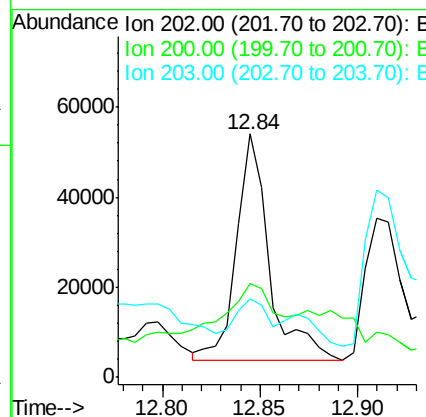
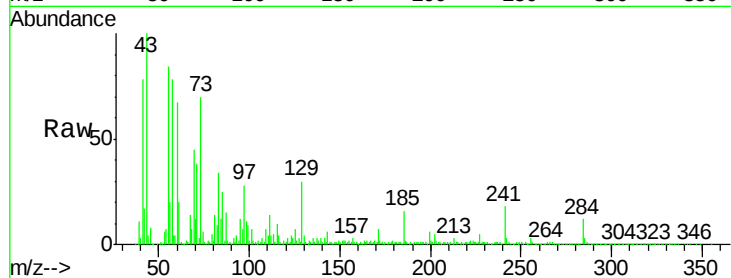




#78  
 Pyrene  
 Concen: 5.457 ng  
 RT: 12.84 min Scan# 1829  
 Delta R.T. 0.03 min  
 Lab File: BF114372.D  
 Acq: 18 May 2019 2:02

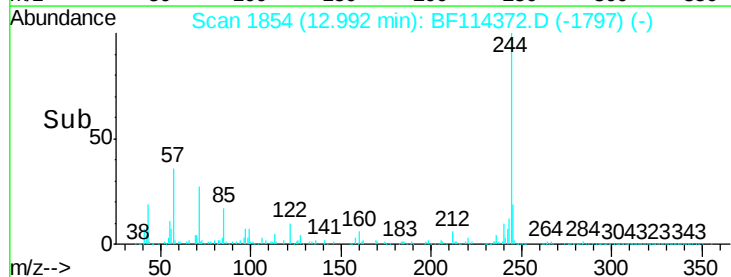
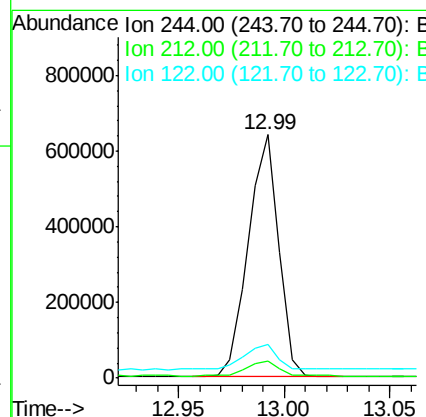
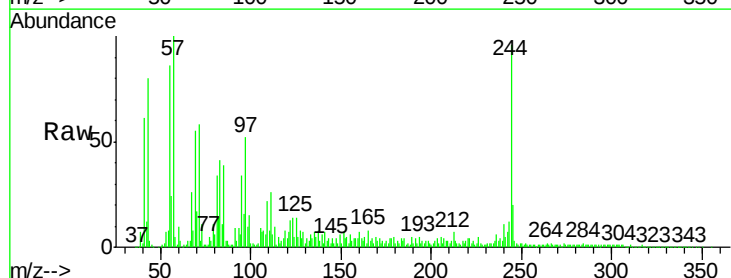
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-5-6

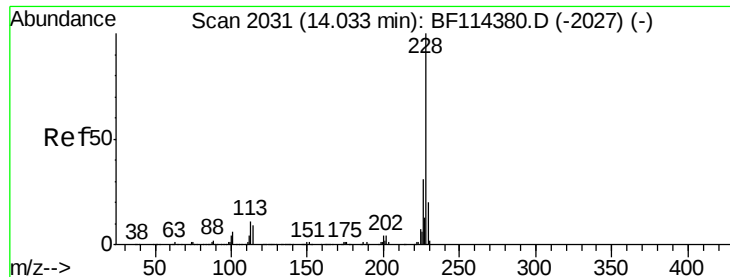
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 38.6  | 16.9  | 25.3# |
| 203     | 32.4  | 14.5  | 21.7# |



#79  
 Terphenyl-d14  
 Concen: 97.564 ng  
 RT: 12.99 min Scan# 1854  
 Delta R.T. 0.04 min  
 Lab File: BF114372.D  
 Acq: 18 May 2019 2:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.8   | 8.6   |
| 122     | 13.6  | 9.4   | 14.2  |





#83

Chrysene

Concen: 14.956 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.05 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA\_F

ClientSampleId :

SB-03-5-6

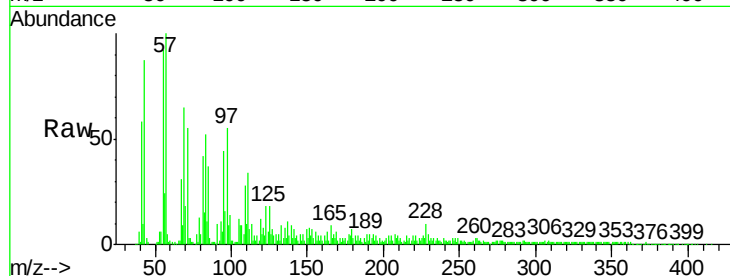
Tgt Ion:228 Resp: 127627

Ion Ratio Lower Upper

228 100

226 38.3 25.0 37.6#

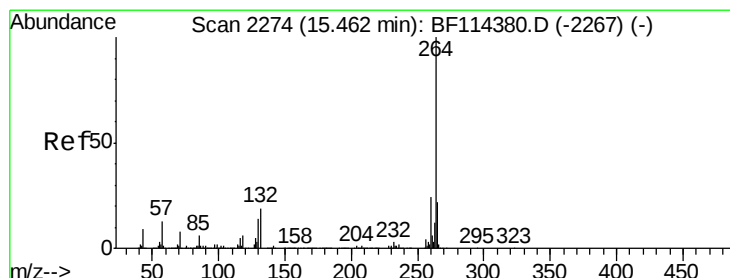
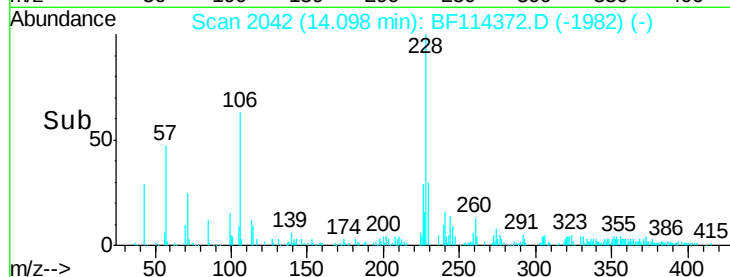
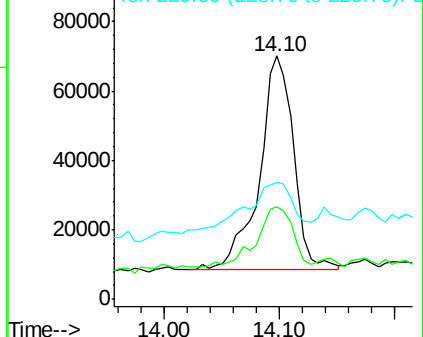
229 48.1 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.09 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

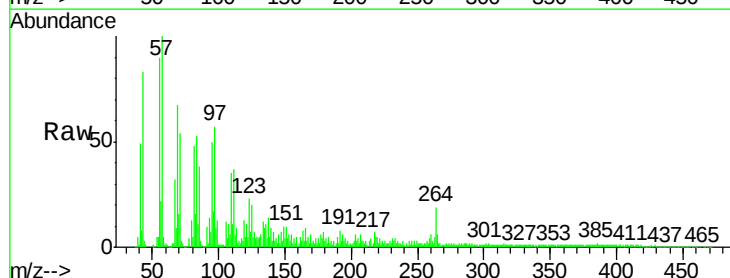
Tgt Ion:264 Resp: 146450

Ion Ratio Lower Upper

264 100

260 31.4 19.4 29.0#

265 30.5 16.9 25.3#



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

