

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\  
 Data File : BF119882.D  
 Acq On : 9 Apr 2020 21:00  
 Operator : MA/SJ  
 Sample : L2154-01 5X  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-212

Quant Time: Apr 10 02:57:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 09 01:21:19 2020  
 Response via : Initial Calibration

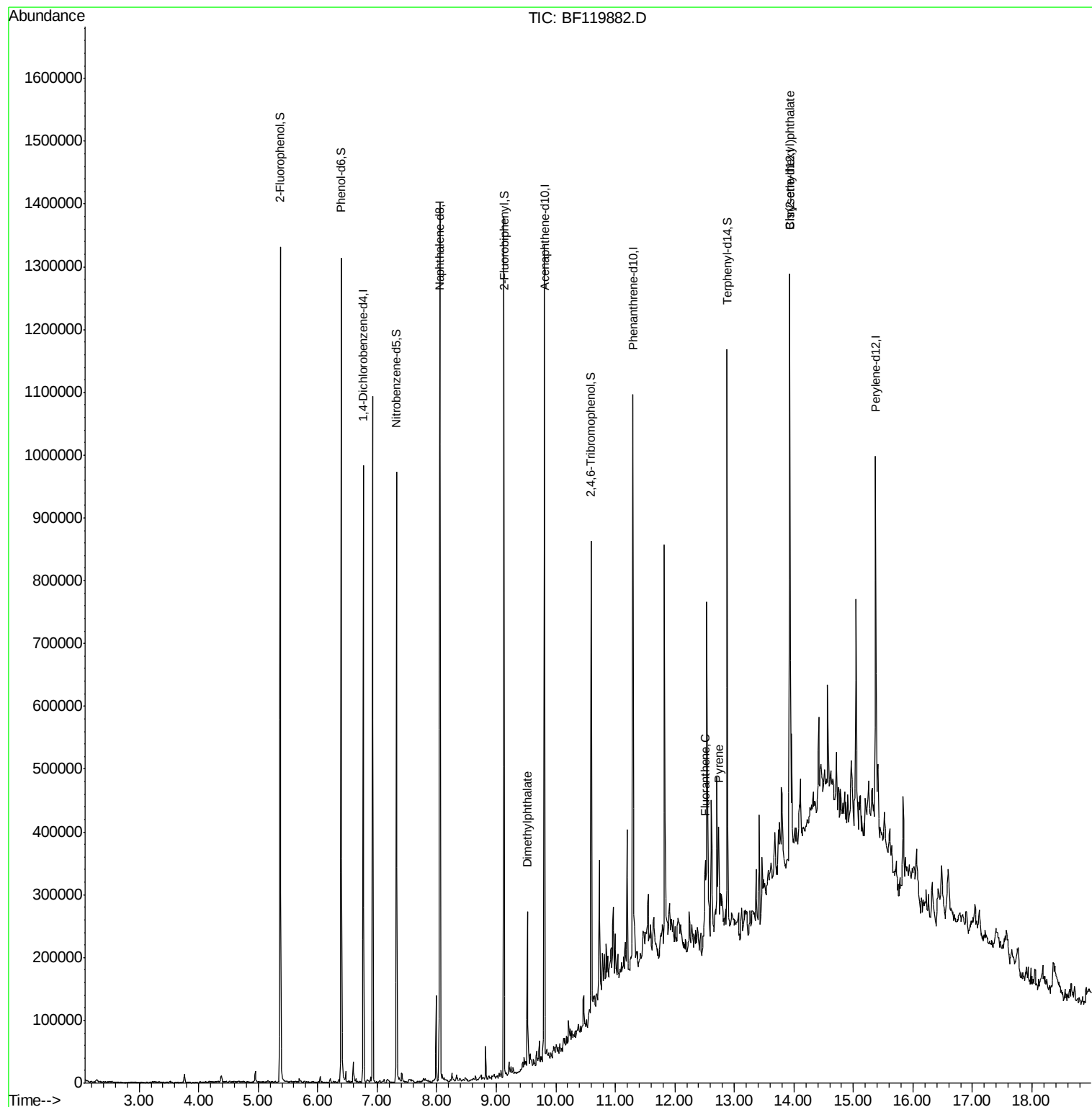
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 142557   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 561014   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.81  | 164  | 225760   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.30 | 188  | 354932   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 13.94 | 240  | 301404   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 15.37 | 264  | 275965   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.37  | 112  | 329734   | 39.97 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 392969   | 36.97 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 245505   | 22.64 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.60 | 330  | 91331    | 33.04 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.13  | 172  | 385092   | 24.22 | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.88 | 244  | 302295   | 16.88 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 50) Dimethylphthalate          | 9.53  | 163  | 89677    | 5.135 | ng    | 96       |
| 75) Fluoranthene               | 12.51 | 202  | 48211    | 2.365 | ng    | 96       |
| 78) Pyrene                     | 12.74 | 202  | 66264    | 2.608 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 103786   | 6.216 | ng    | 98       |

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

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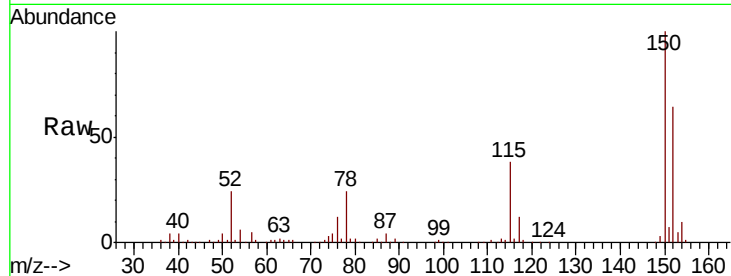




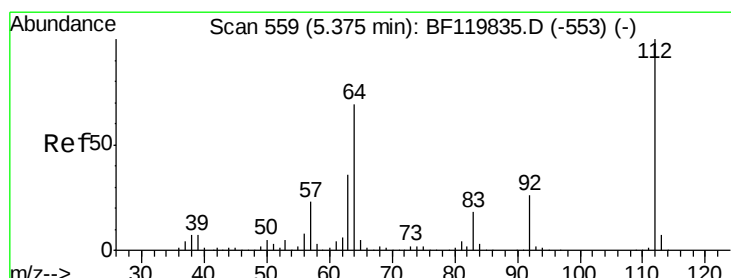
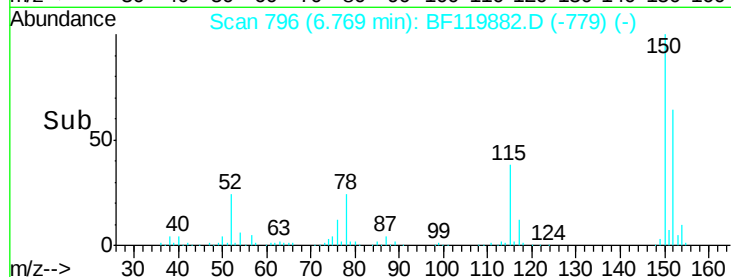
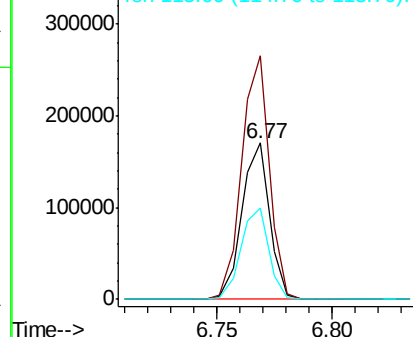
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.77 min Scan# 796  
 Delta R.T. -0.00 min  
 Lab File: BF119882.D  
 Acq: 9 Apr 2020 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-212

Tot Ion:152 Resp: 142557  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 124.8 187.2  
 115 58.7 46.5 69.7

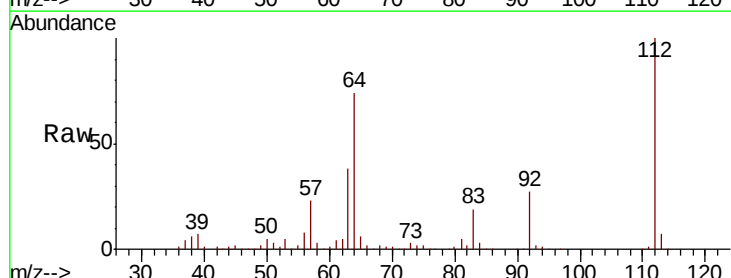


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

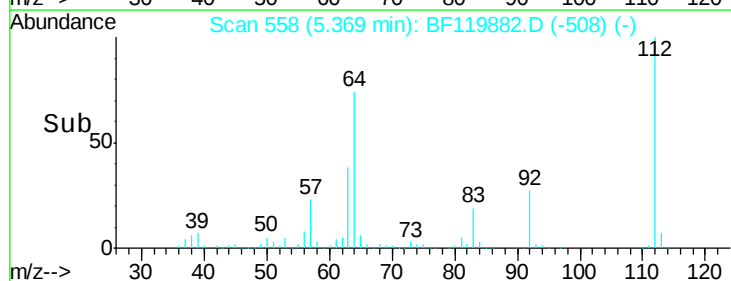
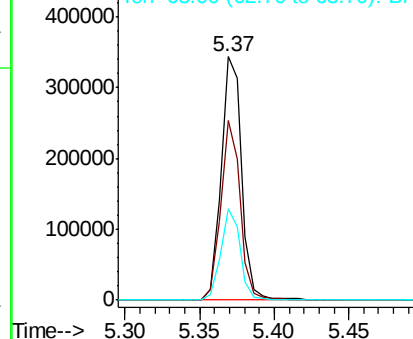


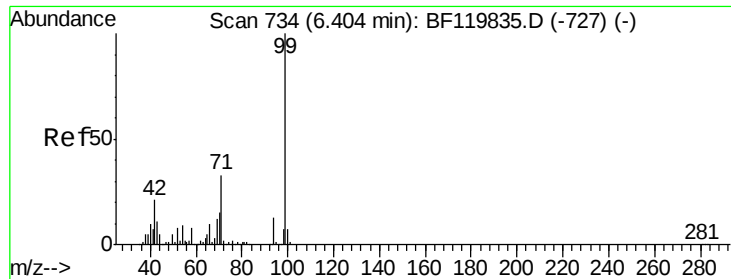
#5  
 2-Fluorophenol  
 Concen: 39.973 ng  
 RT: 5.37 min Scan# 558  
 Delta R.T. -0.01 min  
 Lab File: BF119882.D  
 Acq: 9 Apr 2020 21:00

Tgt Ion:112 Resp: 329734  
 Ion Ratio Lower Upper  
 112 100  
 64 73.8 55.5 83.3  
 63 37.7 29.1 43.7



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: 36.971 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

Instrument :

BNA\_F

ClientSampleId :

VNJ-212

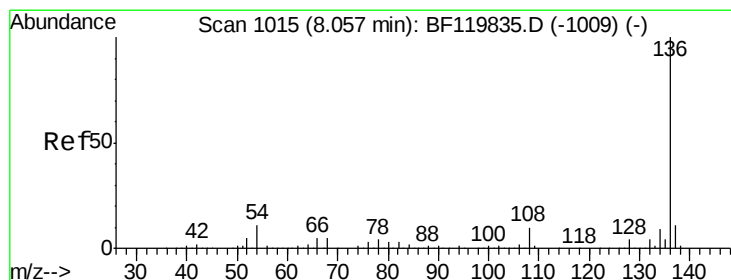
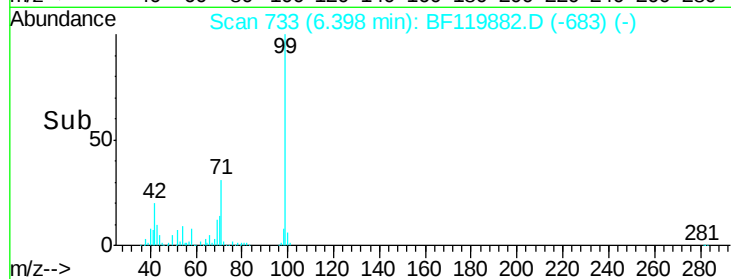
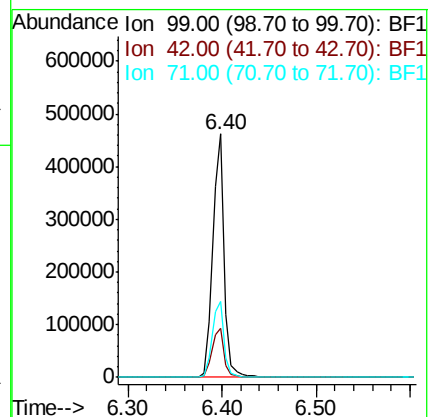
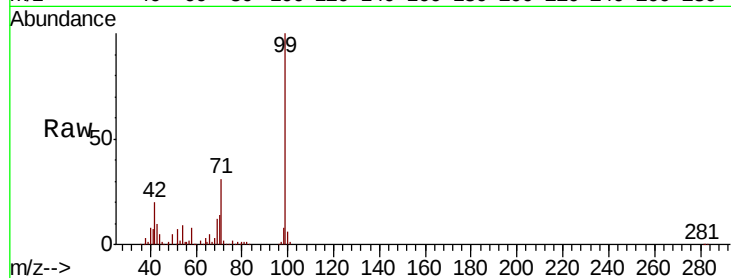
Tot Ion: 99 Resp: 392969

Ion Ratio Lower Upper

99 100

42 20.0 16.9 25.3

71 31.4 26.3 39.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

Tgt Ion: 136 Resp: 561014

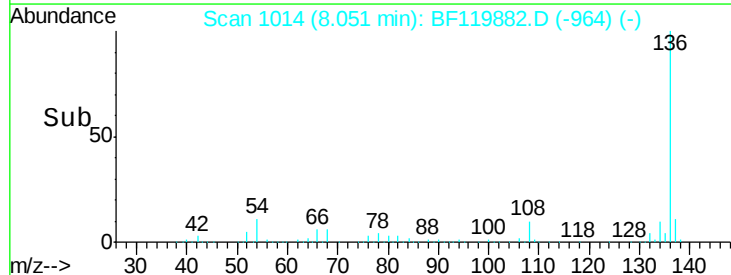
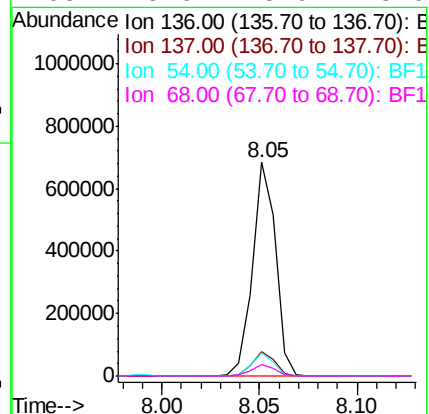
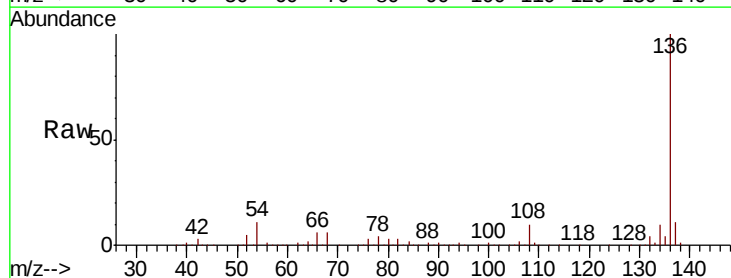
Ion Ratio Lower Upper

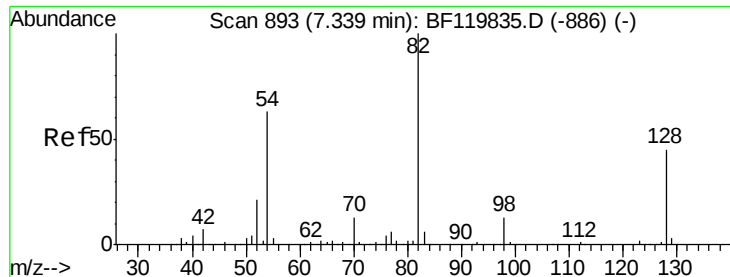
136 100

137 11.3 8.7 13.1

54 10.8 8.5 12.7

68 5.6 3.9 5.9

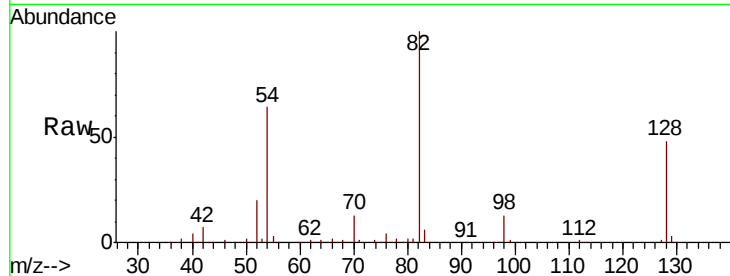




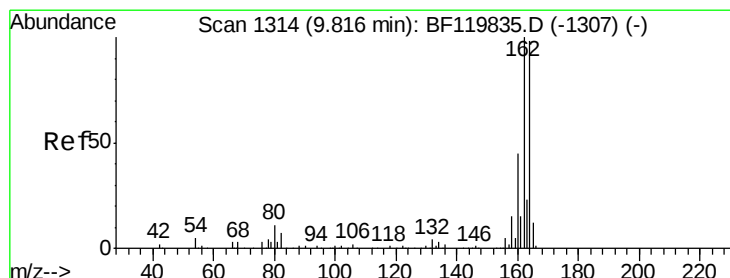
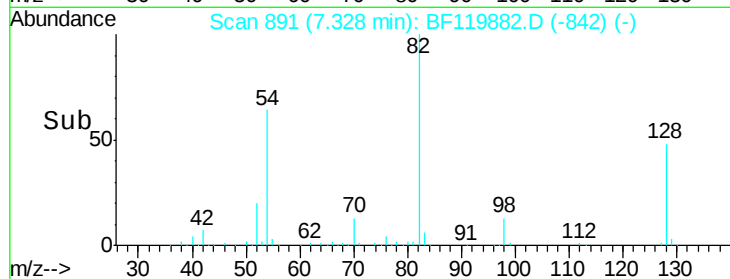
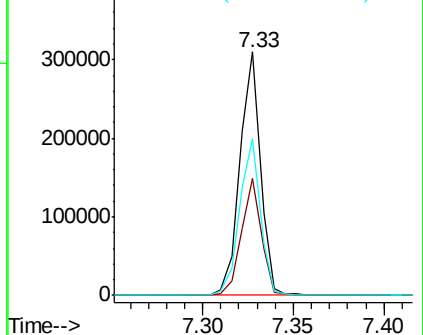
#23  
Nitrobenzene-d5  
Concen: 22.639 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF119882.D  
Acq: 9 Apr 2020 21:00

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-212

Tot Ion: 82 Resp: 245505  
Ion Ratio Lower Upper  
82 100  
128 47.8 36.2 54.4  
54 64.2 50.4 75.6

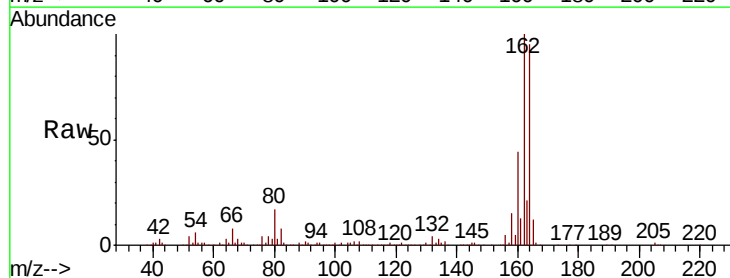


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

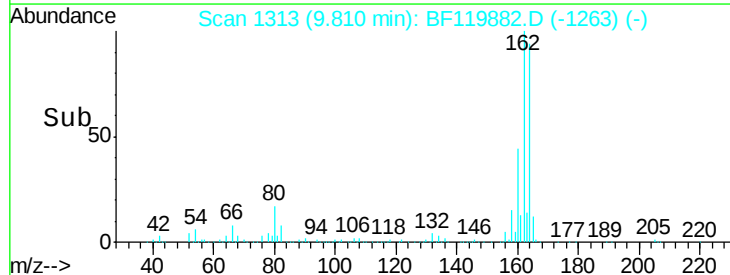
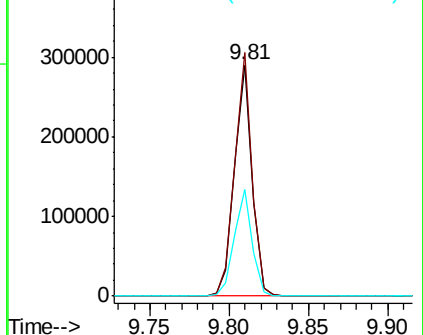


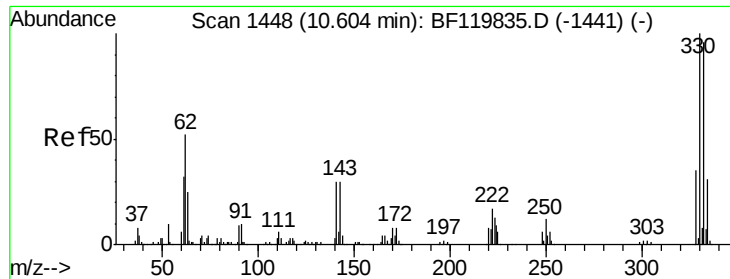
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF119882.D  
Acq: 9 Apr 2020 21:00

Tgt Ion:164 Resp: 225760  
Ion Ratio Lower Upper  
164 100  
162 105.4 81.9 122.9  
160 46.1 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

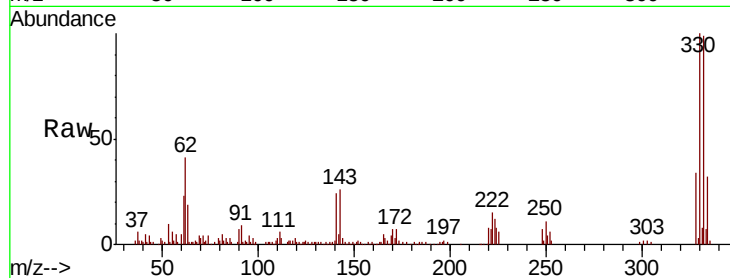




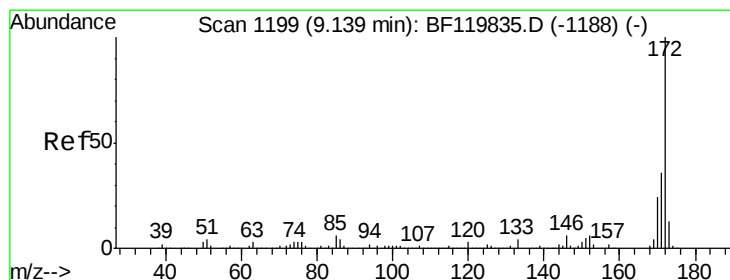
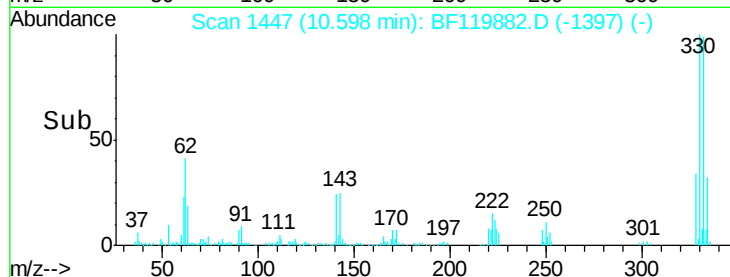
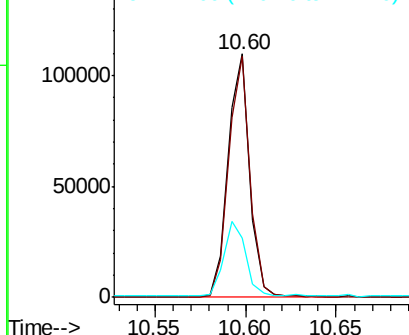
#42  
 2,4,6-Tribromophenol  
 Concen: 33.042 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.01 min  
 Lab File: BF119882.D  
 Acq: 9 Apr 2020 21:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-212

Tot Ion:330 Resp: 91331  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.8 115.2  
 141 30.9 25.1 37.7

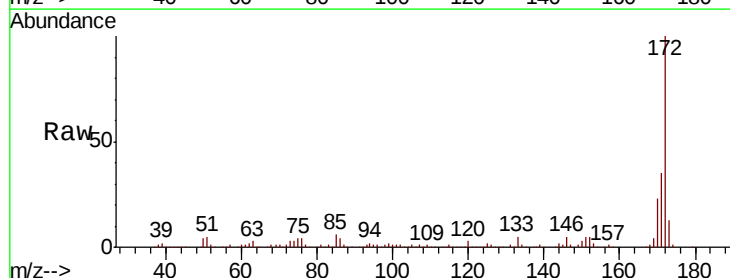


Abundance Ion 329.80 (329.50 to 330.50): E  
 150000 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

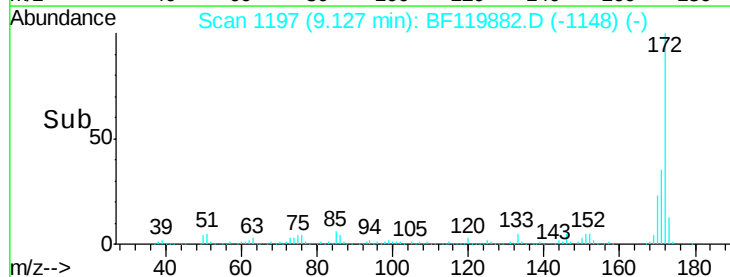
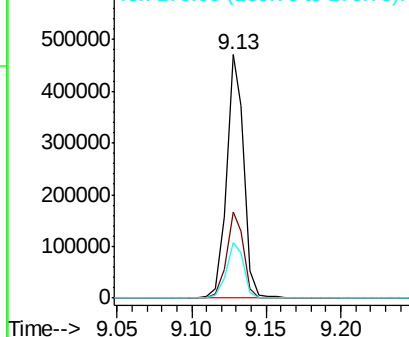


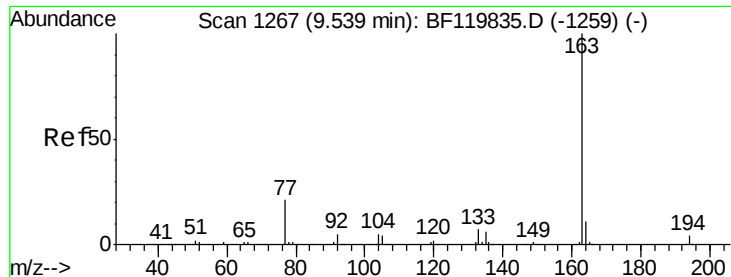
#45  
 2-Fluorobiphenyl  
 Concen: 24.218 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF119882.D  
 Acq: 9 Apr 2020 21:00

Tgt Ion:172 Resp: 385092  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.9 43.3  
 170 23.0 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E  
 600000 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

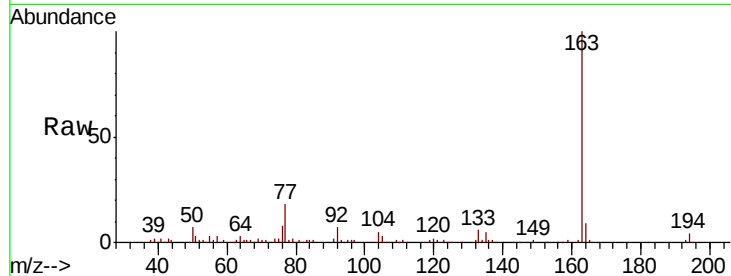




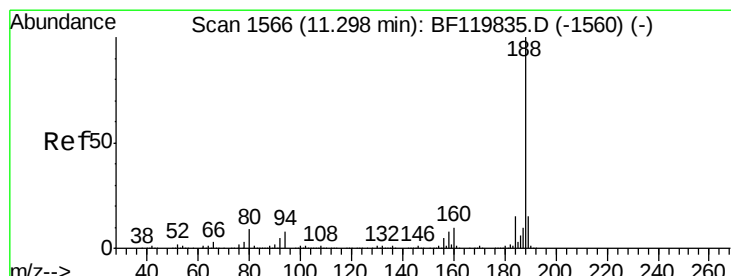
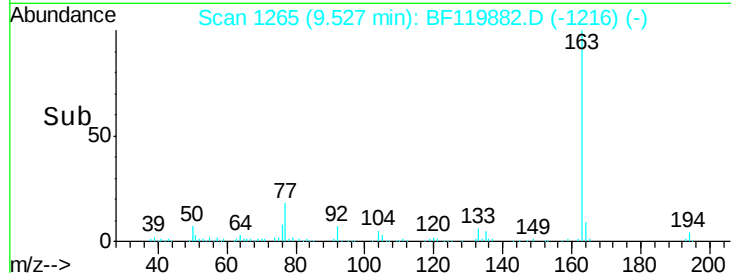
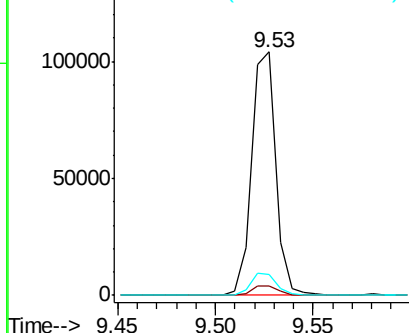
#50  
Dimethylphthalate  
Concen: 5.135 ng  
RT: 9.53 min Scan# 1265  
Delta R.T. -0.01 min  
Lab File: BF119882.D  
Acq: 9 Apr 2020 21:00

Instrument :  
BNA\_F  
ClientSampled :  
VNJ-212

Tot Ion:163 Resp: 89677  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.4  
164 8.8 8.4 12.6

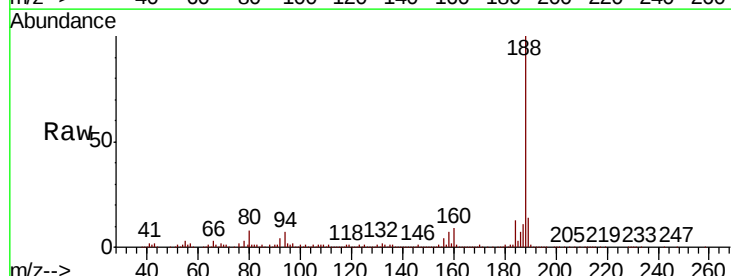


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

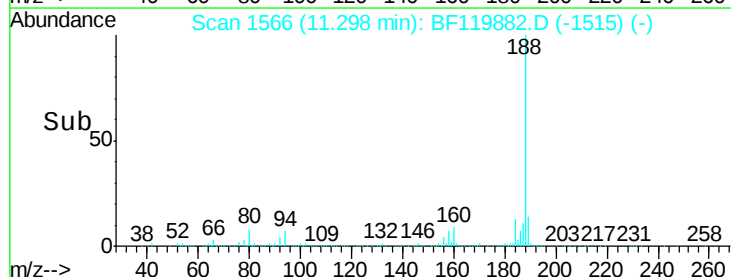
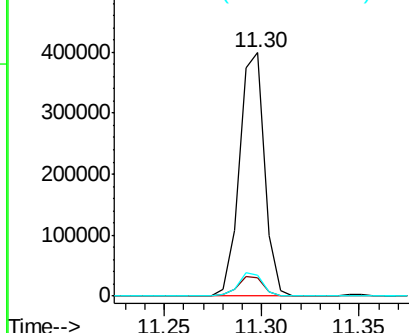


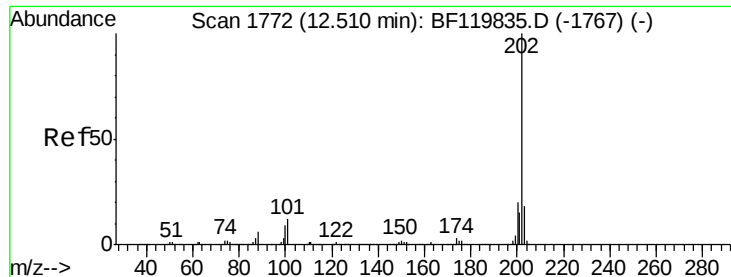
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: BF119882.D  
Acq: 9 Apr 2020 21:00

Tgt Ion:188 Resp: 354932  
Ion Ratio Lower Upper  
188 100  
94 7.4 6.7 10.1  
80 8.3 7.4 11.2



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: 2.365 ng

RT: 12.51 min Scan# 1772

Delta R.T. -0.00 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

Instrument :

BNA\_F

ClientSampleId :

VNJ-212

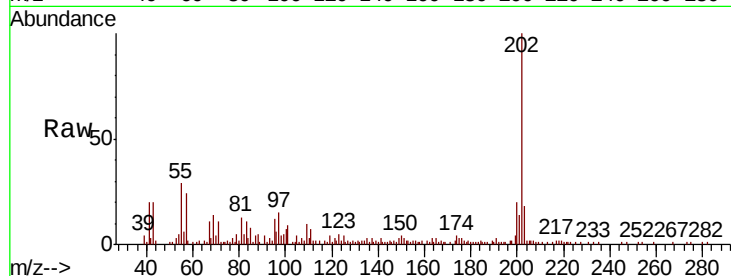
Tot Ion:202 Resp: 48211

Ion Ratio Lower Upper

202 100

101 8.9 0.0 32.3

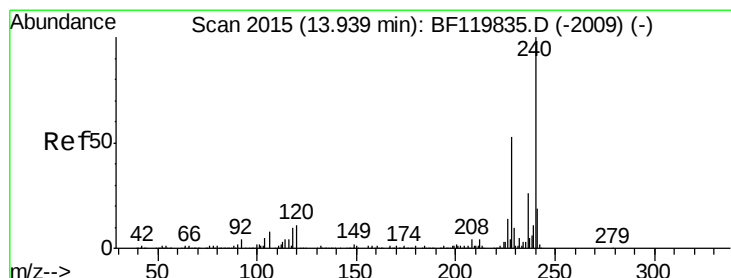
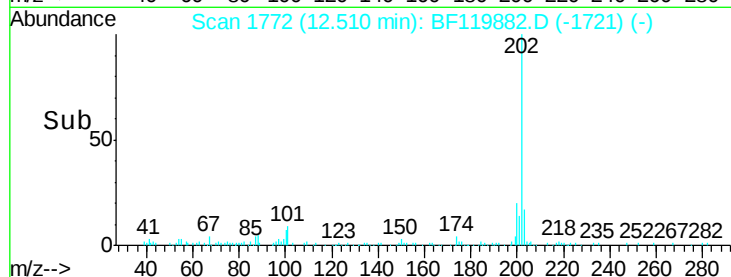
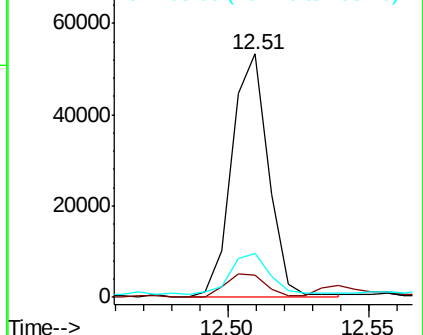
203 18.1 0.0 37.6



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: 13.94 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

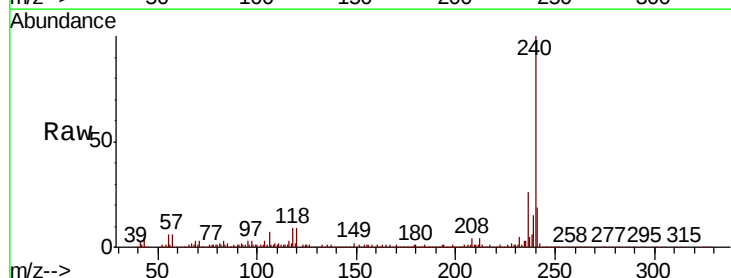
Tgt Ion:240 Resp: 301404

Ion Ratio Lower Upper

240 100

120 9.1 9.0 13.6

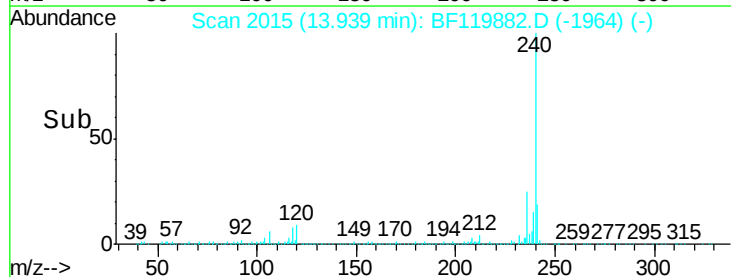
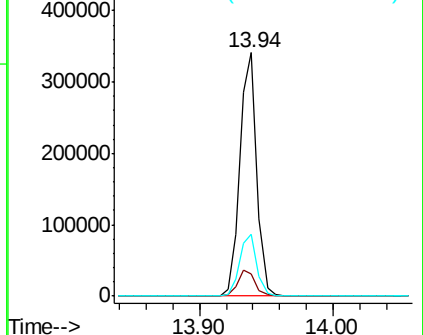
236 25.5 20.7 31.1

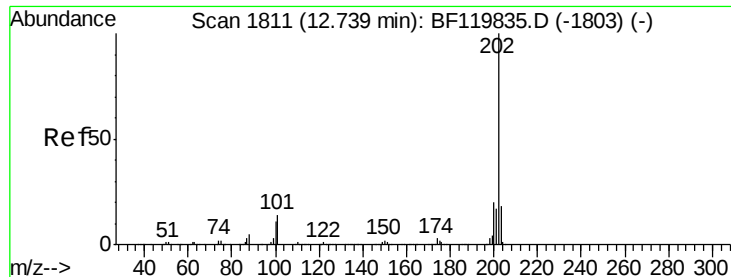


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.608 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

Instrument :

BNA\_F

ClientSampleId :

VNJ-212

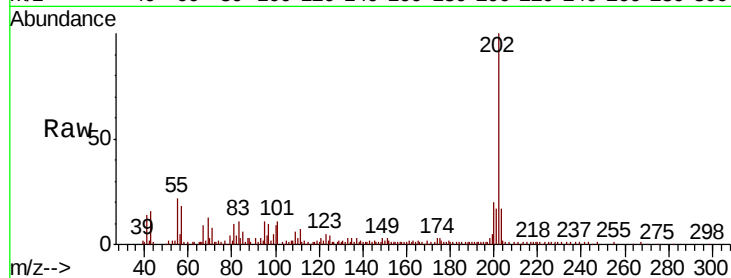
Tot Ion:202 Resp: 66264

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

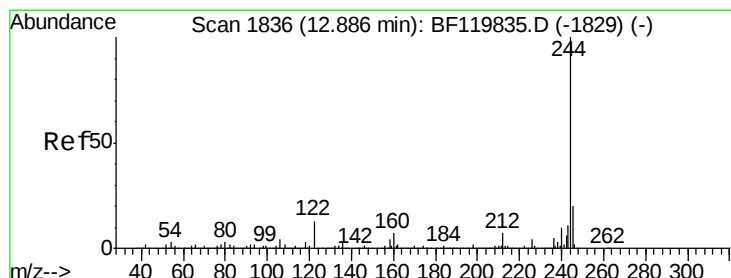
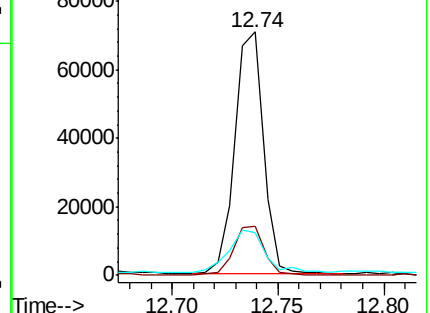
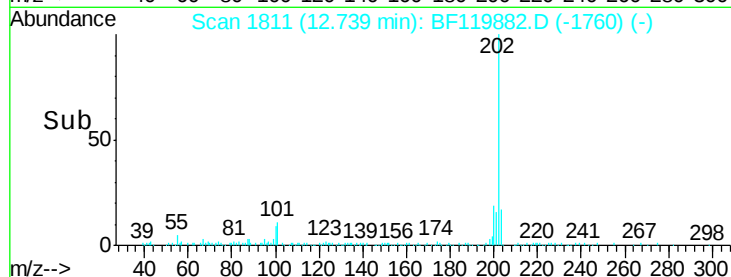
203 17.5 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 16.876 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

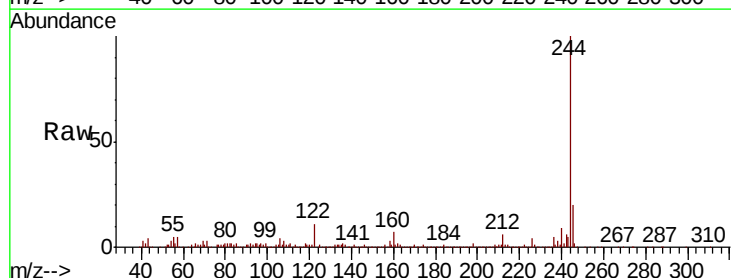
Tgt Ion:244 Resp: 302295

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

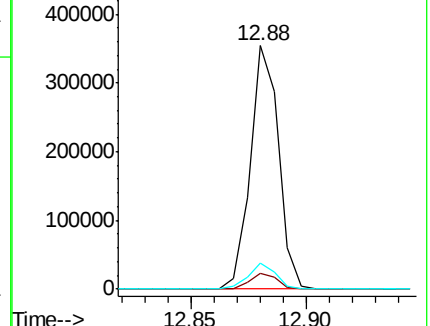
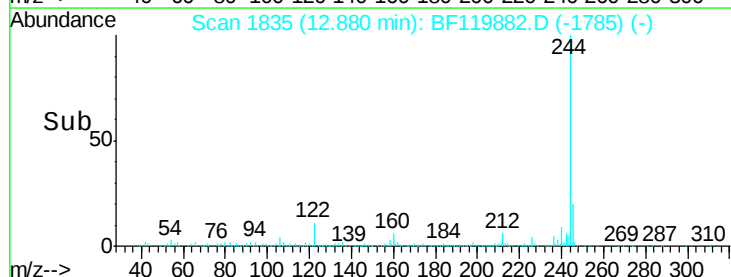
122 10.8 10.3 15.5

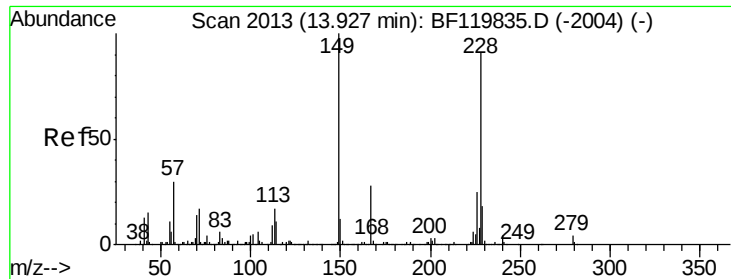


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.216 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

Instrument :

BNA\_F

ClientSampleId :

VNJ-212

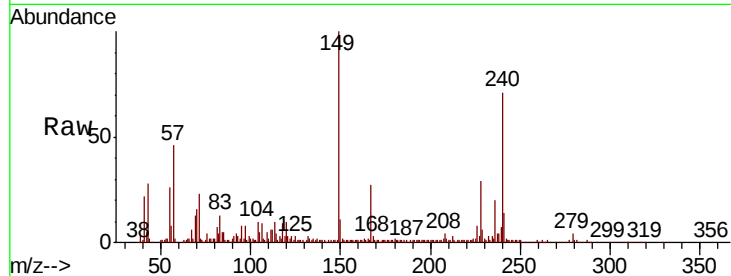
Tot Ion:149 Resp: 103786

Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

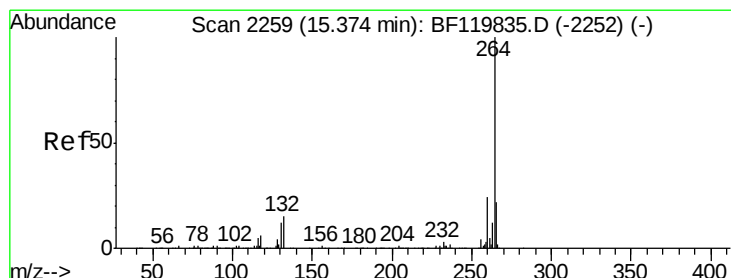
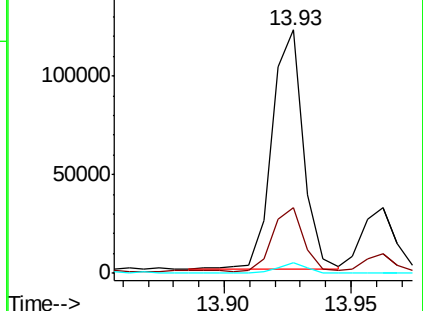
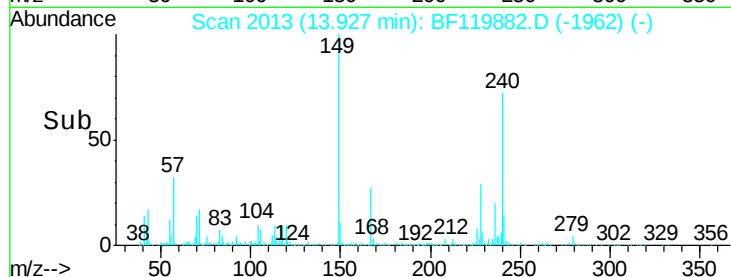
279 4.1 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BF119882.D

Acq: 9 Apr 2020 21:00

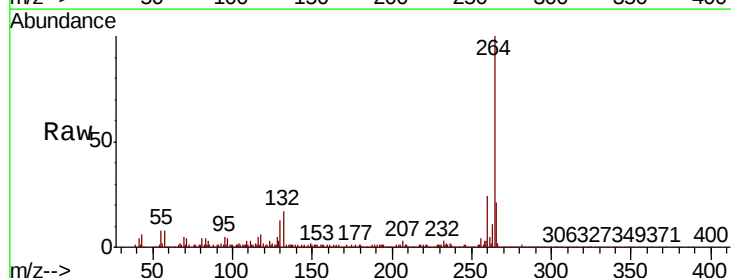
Tgt Ion:264 Resp: 275965

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 21.3 17.6 26.4



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

