

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\  
 Data File : BF118193.D  
 Acq On : 13 Dec 2019 18:31  
 Operator : JU  
 Sample : K6264-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-239

Quant Time: Dec 13 22:47:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 17:34:43 2019  
 Response via : Initial Calibration

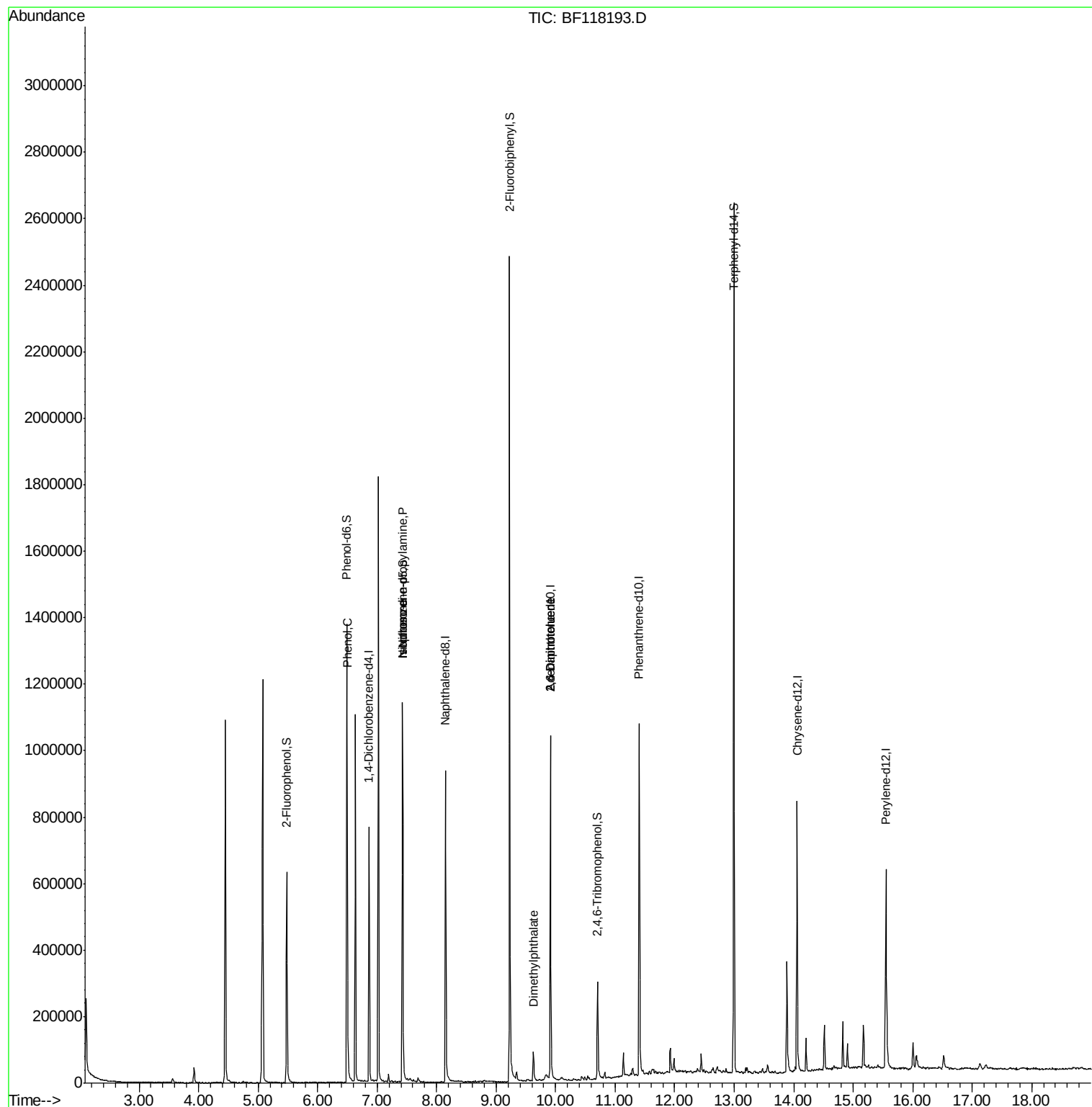
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 115317   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 447801   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10           | 9.92  | 164  | 236049   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10           | 11.40 | 188  | 440246   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12               | 14.06 | 240  | 279132   | 20.00     | ng     | -0.01    |
| 87) Perylene-d12               | 15.55 | 264  | 276919   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 181453   | 27.56     | ng     | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 487600   | 61.23     | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 367850   | 46.21     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.70 | 330  | 42520    | 14.83     | ng     | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.23  | 172  | 785464   | 50.63     | ng     | -0.01    |
| 79) Terphenyl-d14              | 13.00 | 244  | 939742   | 57.89     | ng     | 0.00     |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.49  | 77   | 1020     | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.50  | 94   | 18860    | 2.077 ng  | #      | 68       |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 50078    | 10.349 ng | #      | 75       |
| 25) Isophorone                 | 7.43  | 82   | 367847   | 27.261 ng | #      | 62       |
| 50) Dimethylphthalate          | 9.63  | 163  | 45677    | 2.620 ng  |        | 99       |
| 51) 2,6-Dinitrotoluene         | 9.91  | 165  | 30554    | 8.059 ng  | #      | 27       |
| 57) 2,4-Dinitrotoluene         | 9.91  | 165  | 30554    | 6.038 ng  | #      | 25       |

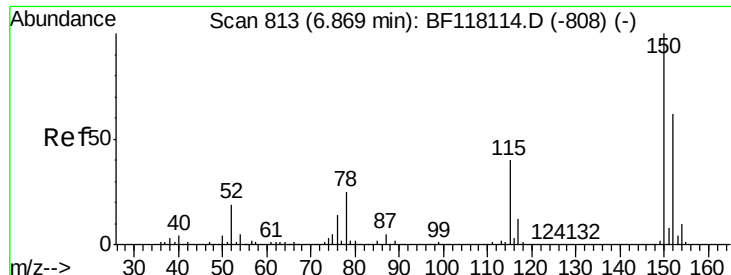
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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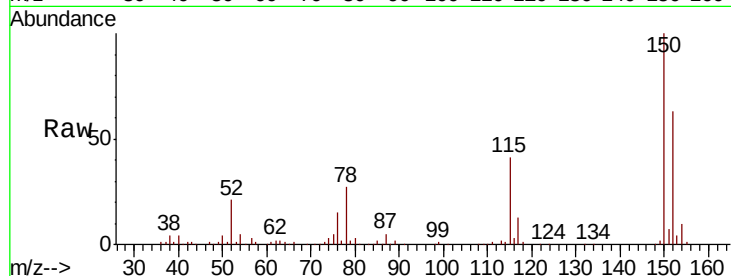


#1

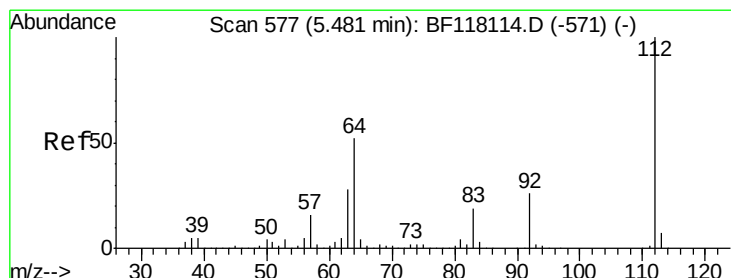
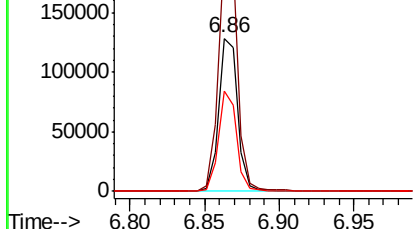
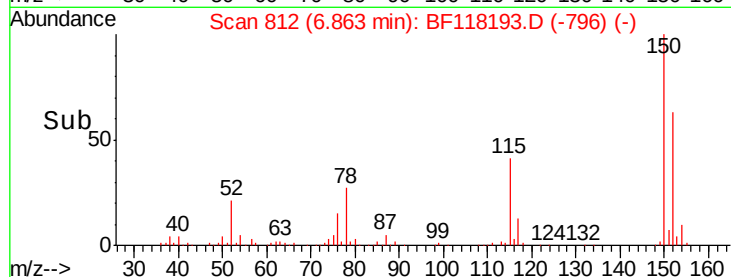
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239

Tot Ion:152 Resp: 115317  
Ion Ratio Lower Upper  
152 100  
150 158.9 128.3 192.5  
115 65.2 51.1 76.7



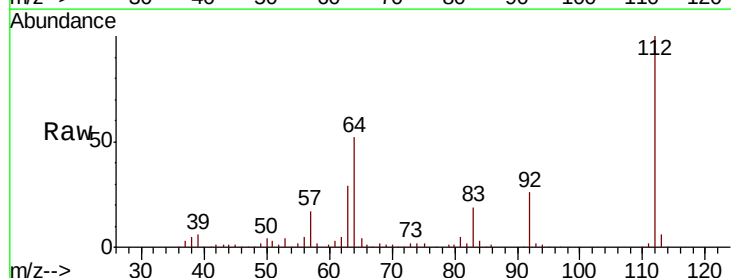
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



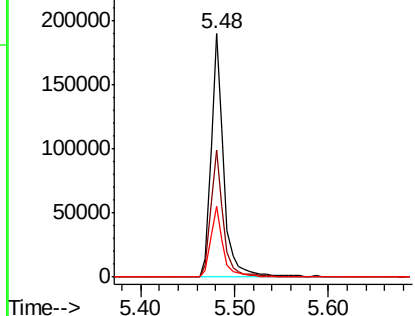
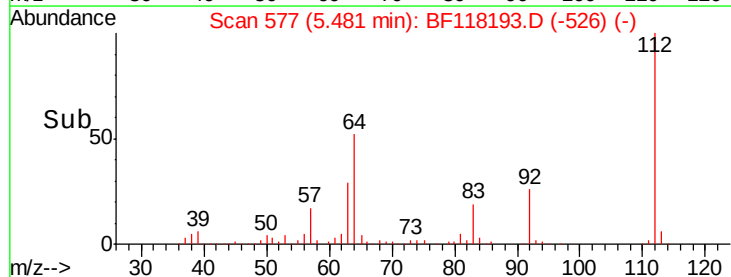
#5

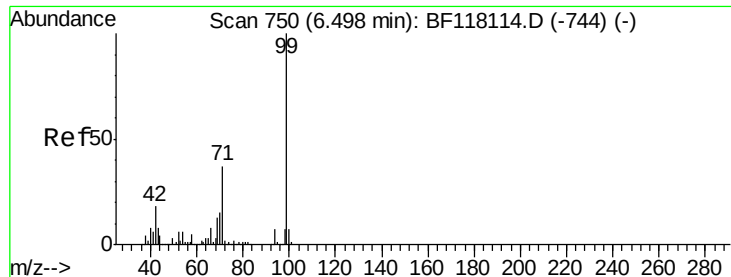
2-Fluorophenol  
Concen: 27.560 ng  
RT: 5.48 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Tgt Ion:112 Resp: 181453  
Ion Ratio Lower Upper  
112 100  
64 52.5 41.3 61.9  
63 29.3 22.4 33.6



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: 61.229 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118193.D

Acq: 13 Dec 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

VNJ-239

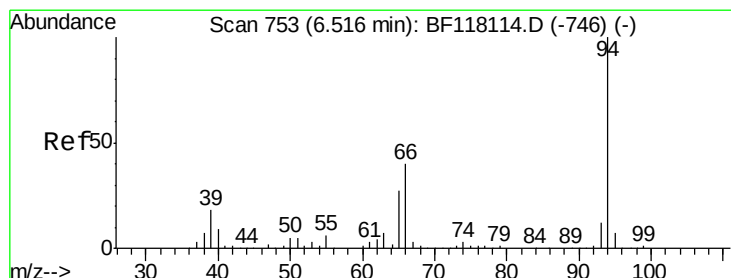
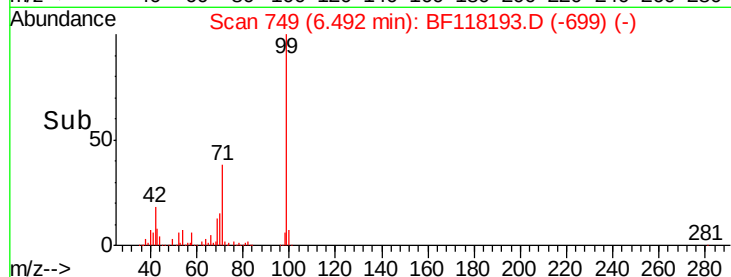
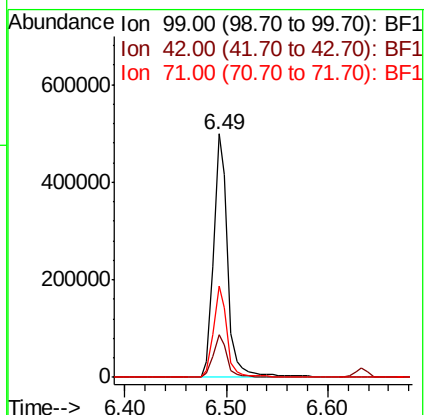
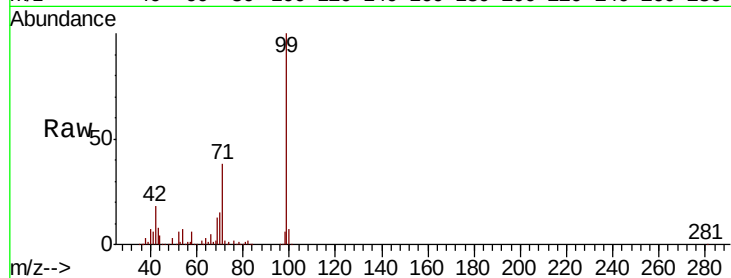
Tot Ion: 99 Resp: 487600

Ion Ratio Lower Upper

99 100

42 17.7 14.1 21.1

71 37.5 29.7 44.5



#10

Phenol

Concen: 2.077 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118193.D

Acq: 13 Dec 2019 18:31

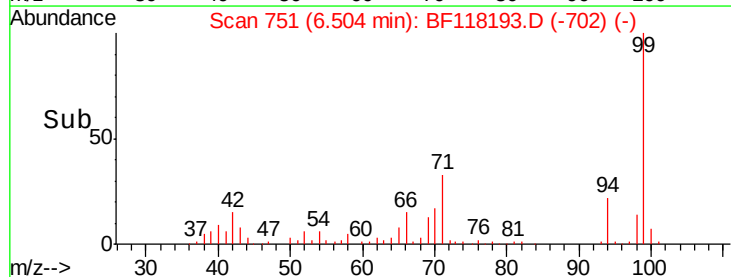
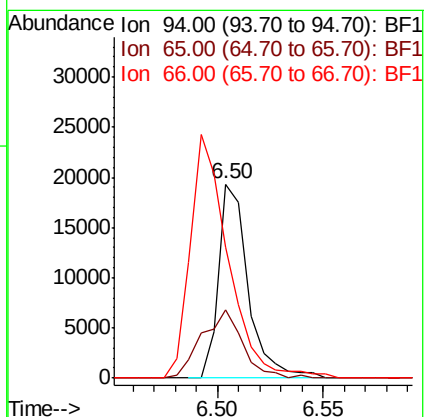
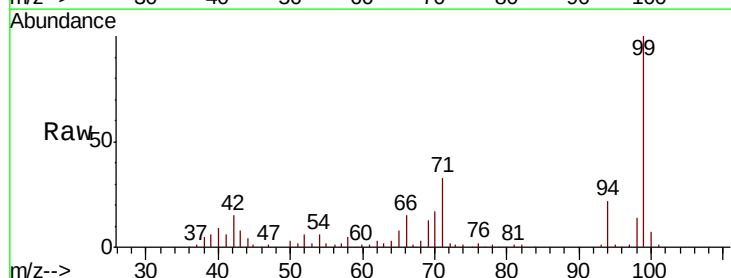
Tgt Ion: 94 Resp: 18860

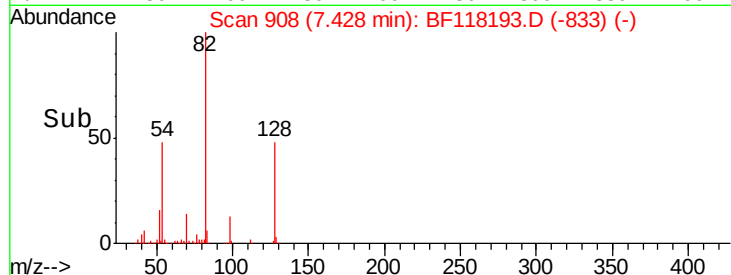
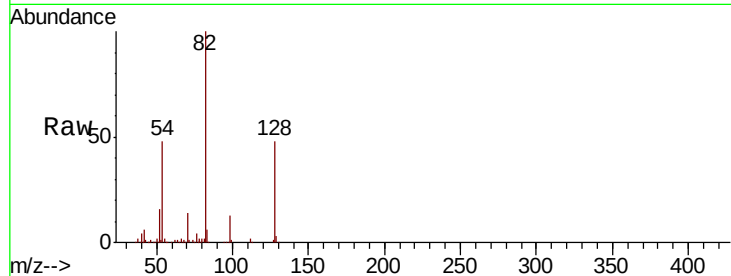
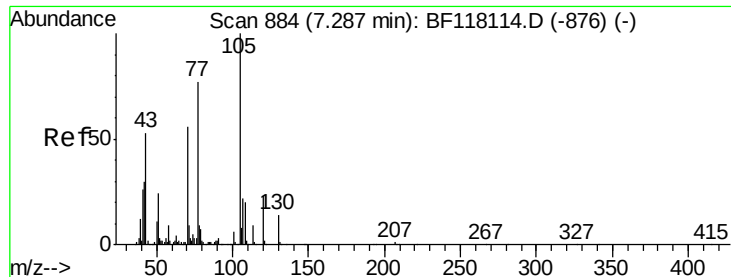
Ion Ratio Lower Upper

94 100

65 35.0 7.3 47.3

66 67.4 20.2 60.2#

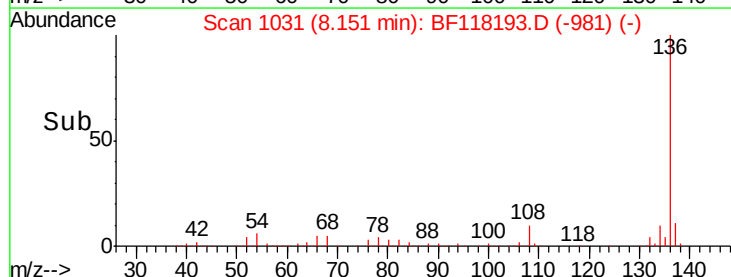
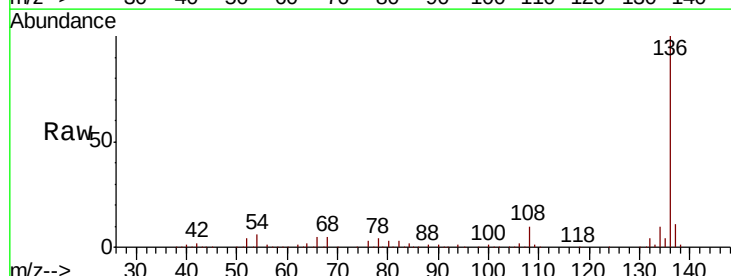
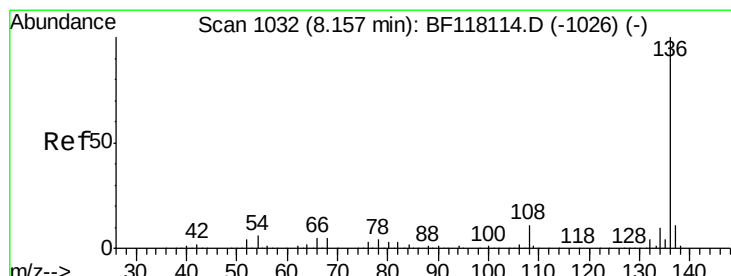
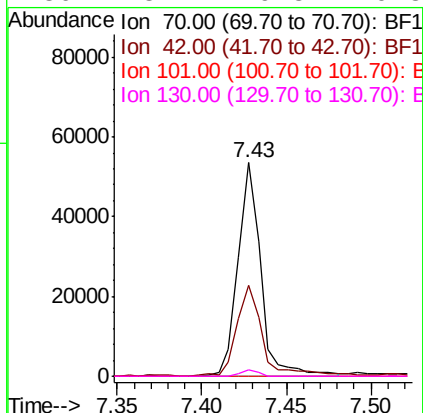




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.349 ng  
RT: 7.43 min Scan# 908  
Delta R.T. 0.14 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

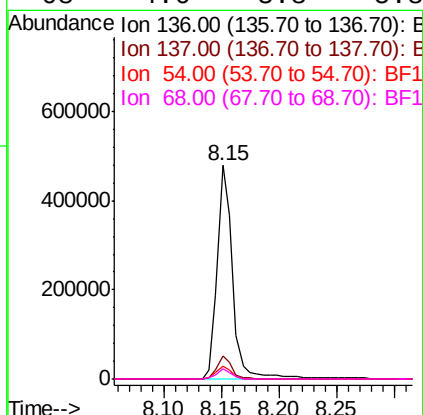
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239

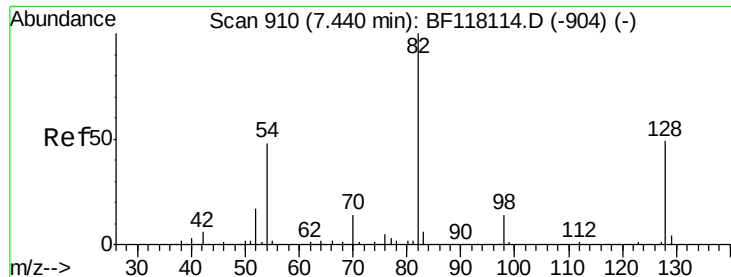
Tot Ion: 70 Resp: 50078  
Ion Ratio Lower Upper  
70 100  
42 42.7 43.2 64.8#  
101 0.0 8.1 12.1#  
130 3.2 19.8 29.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Tgt Ion: 136 Resp: 447801  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.6  
54 6.2 5.0 7.6  
68 4.6 3.8 5.8

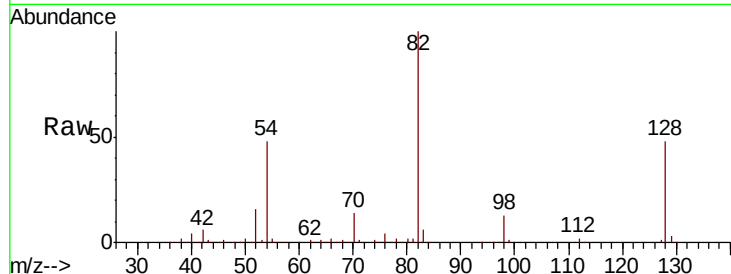




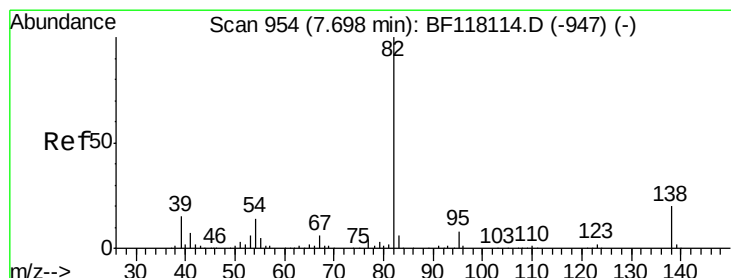
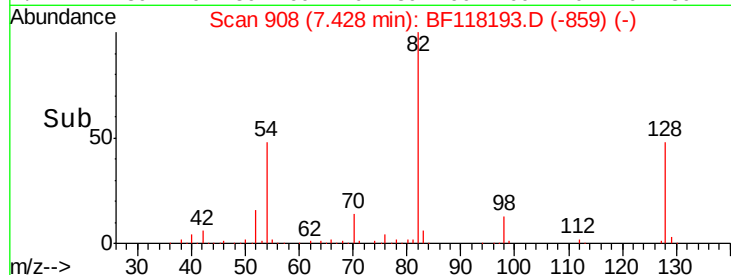
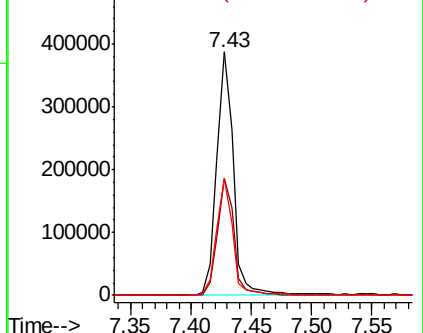
#23  
 Nitrobenzene-d5  
 Concen: 46.213 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF118193.D  
 Acq: 13 Dec 2019 18:31

Instrument :  
 BNA\_F  
 ClientSampleID :  
 VNJ-239

Tot Ion: 82 Resp: 367850  
 Ion Ratio Lower Upper  
 82 100  
 128 47.9 39.1 58.7  
 54 48.1 38.2 57.2

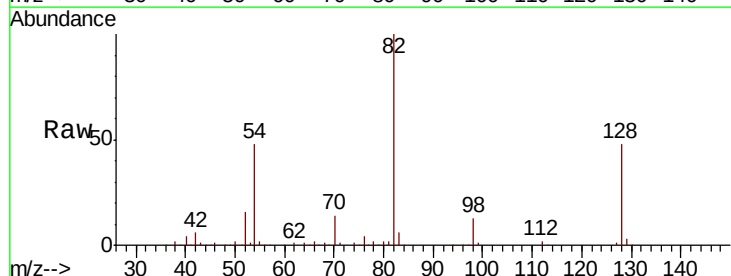


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

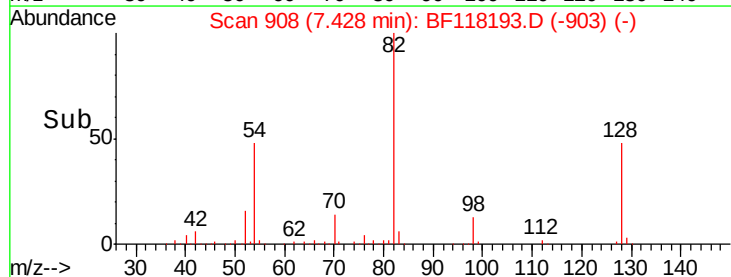
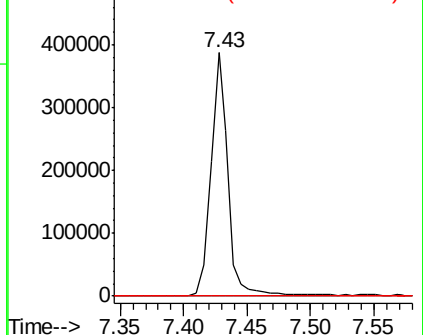


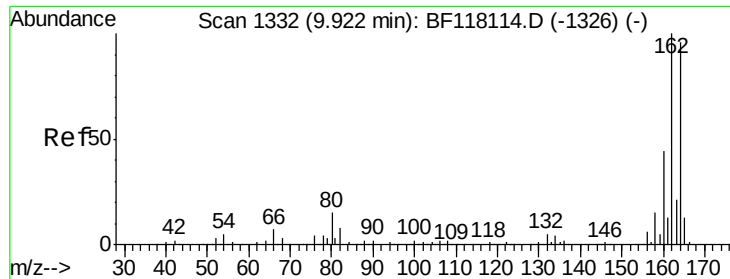
#25  
 Isophorone  
 Concen: 27.261 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.27 min  
 Lab File: BF118193.D  
 Acq: 13 Dec 2019 18:31

Tgt Ion: 82 Resp: 367847  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.3 9.5#  
 138 0.0 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

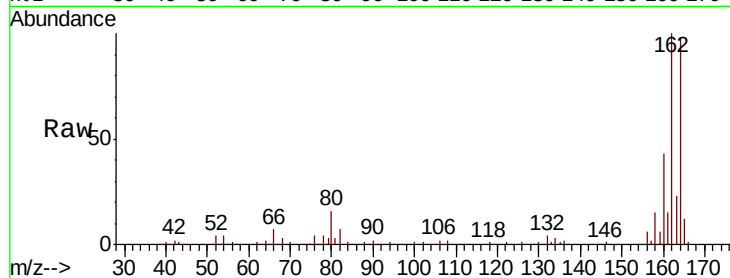




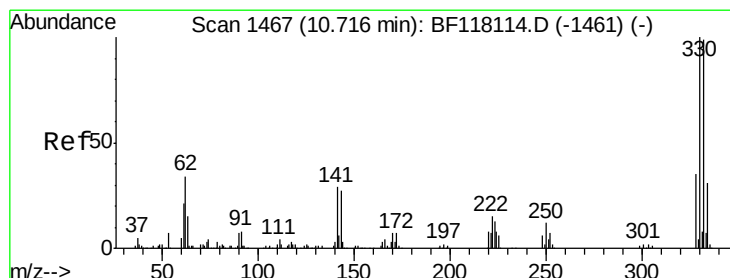
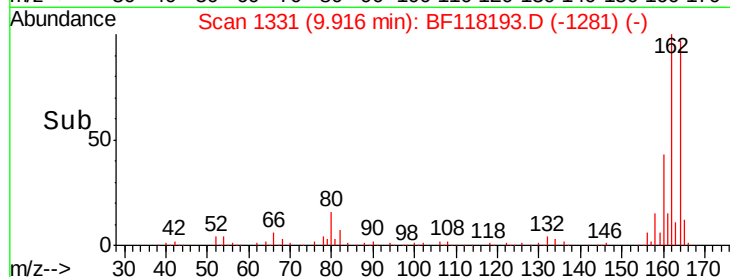
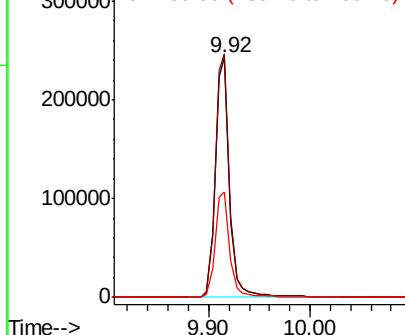
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239

Tot Ion:164 Resp: 236049  
Ion Ratio Lower Upper  
164 100  
162 101.7 83.4 125.0  
160 44.0 36.6 54.8

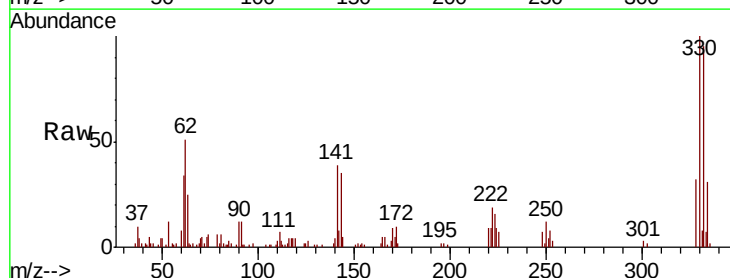


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

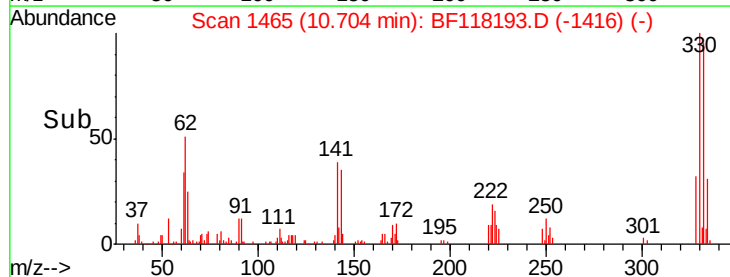
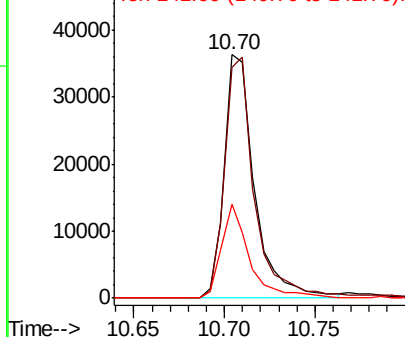


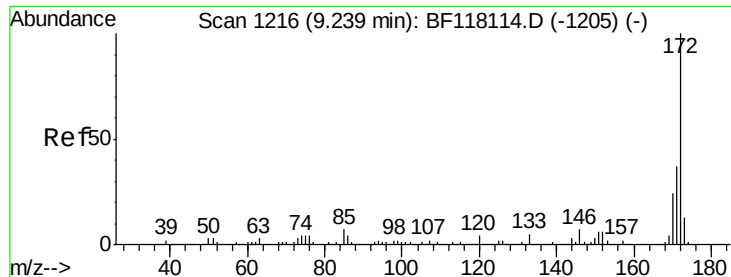
#42  
2,4,6-Tribromophenol  
Concen: 14.828 ng  
RT: 10.70 min Scan# 1465  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Tgt Ion:330 Resp: 42520  
Ion Ratio Lower Upper  
330 100  
332 99.6 78.1 117.1  
141 35.5 26.9 40.3



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

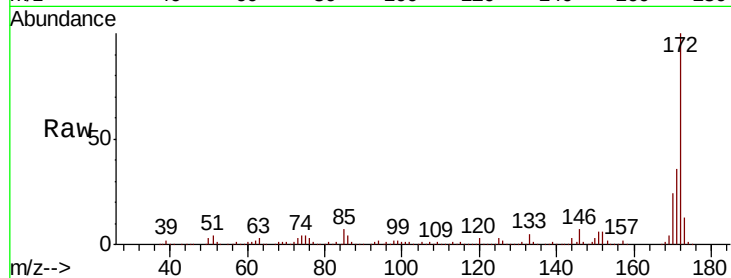




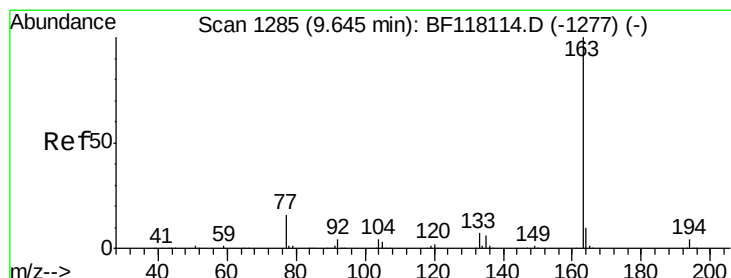
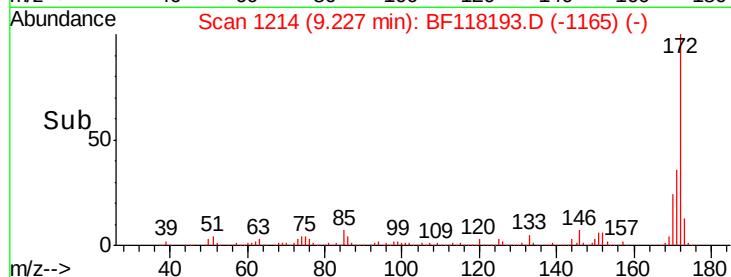
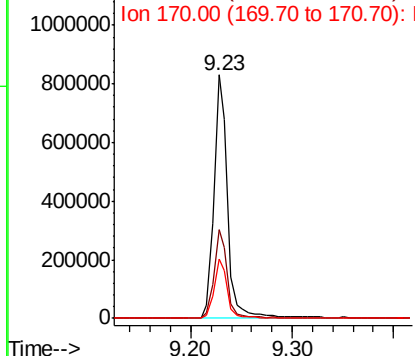
#45  
2-Fluorobiphenyl  
Concen: 50.633 ng  
RT: 9.23 min Scan# 1214  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.2  | 43.8  |
| 170     | 24.1  | 19.4  | 29.2  |

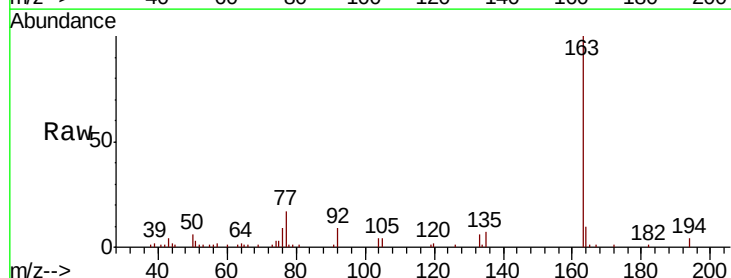


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

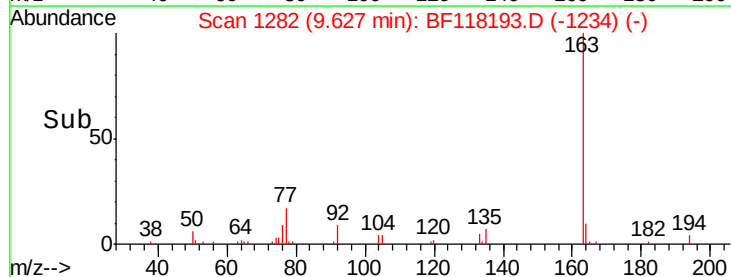
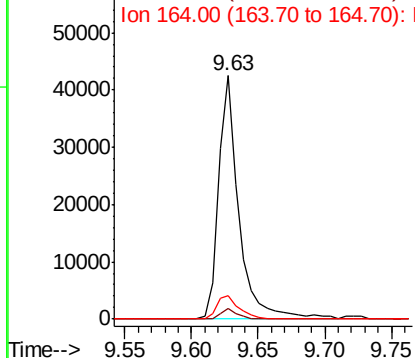


#50  
Dimethylphthalate  
Concen: 2.620 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

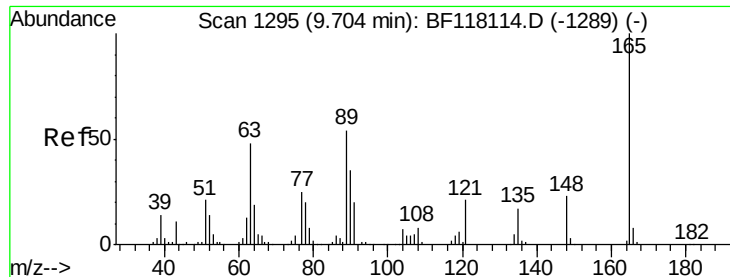
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.1   | 4.7   |
| 164     | 9.9   | 7.7   | 11.5  |



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







#51

2,6-Dinitrotoluene

Concen: 8.059 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF118193.D

Acq: 13 Dec 2019 18:31

Instrument :

BNA\_F

ClientSampleId :

VNJ-239

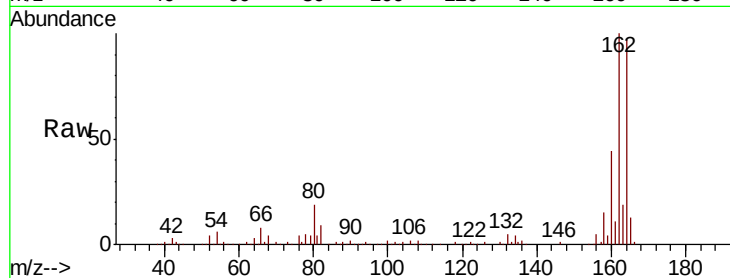
Tot Ion:165 Resp: 30554

Ion Ratio Lower Upper

165 100

63 1.4 41.4 62.0#

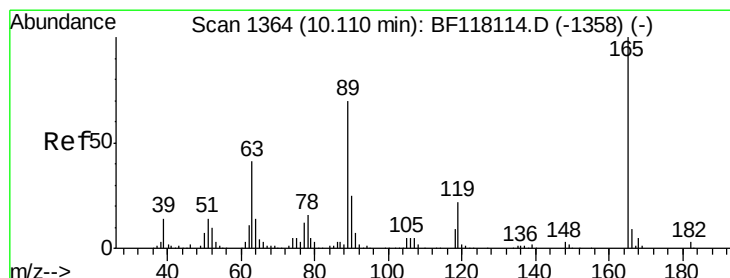
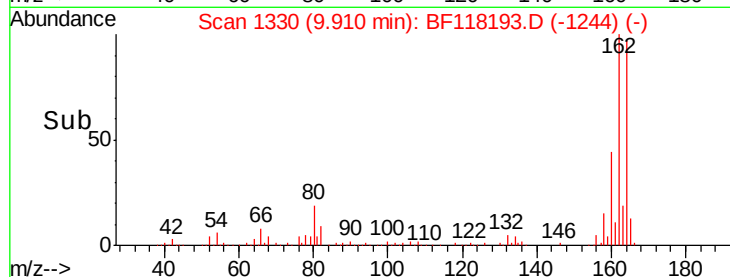
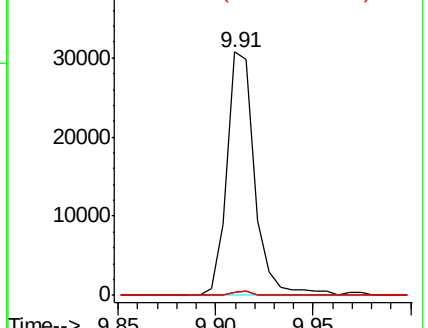
89 1.3 42.9 64.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.038 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF118193.D

Acq: 13 Dec 2019 18:31

Tgt Ion:165 Resp: 30554

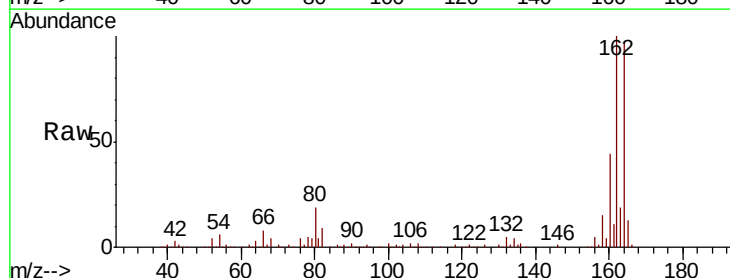
Ion Ratio Lower Upper

165 100

63 1.4 32.6 49.0#

89 1.3 56.1 84.1#

182 0.0 2.1 3.1#

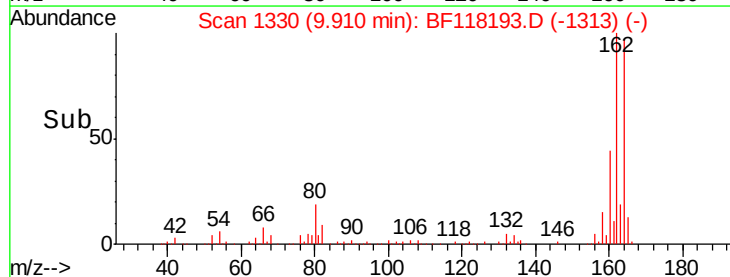
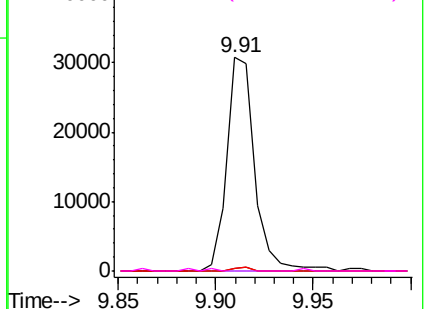


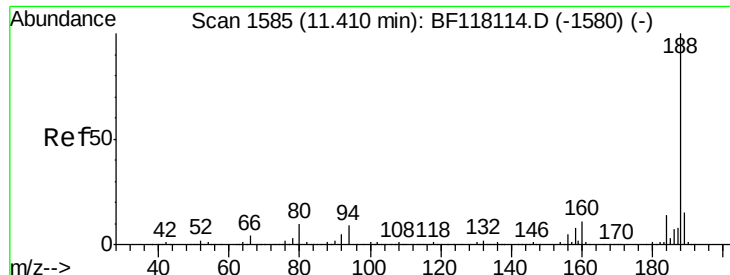
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

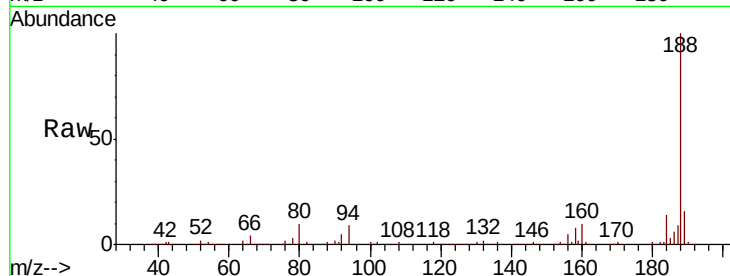




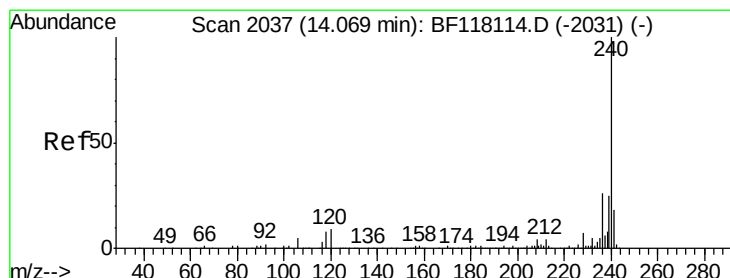
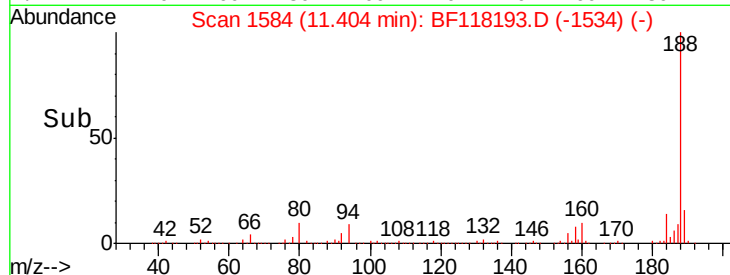
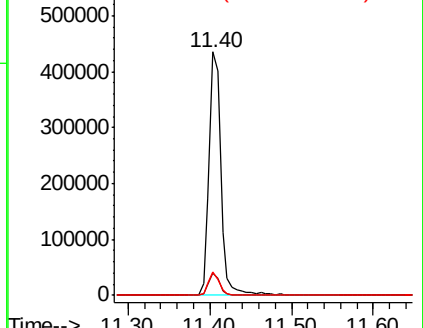
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239

Tot Ion:188 Resp: 440246  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.1 10.7  
80 9.9 7.9 11.9

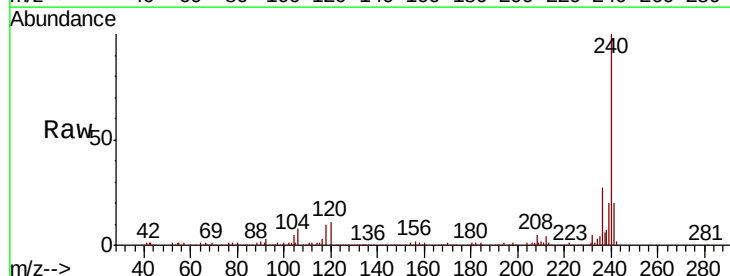


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

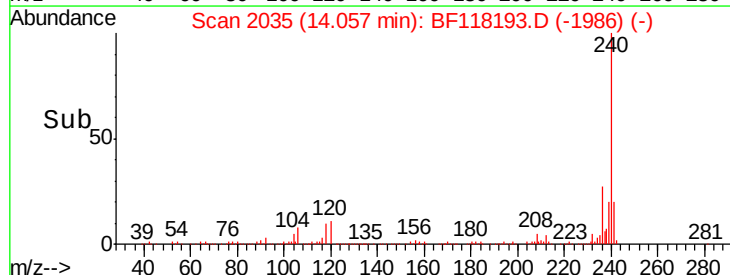
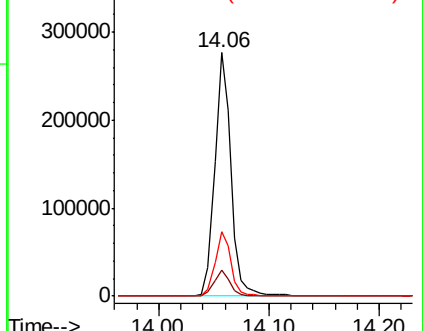


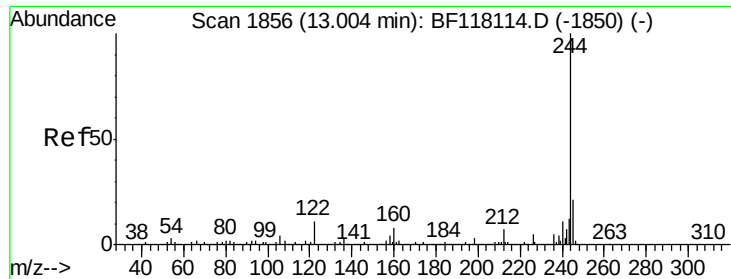
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2035  
Delta R.T. -0.01 min  
Lab File: BF118193.D  
Acq: 13 Dec 2019 18:31

Tgt Ion:240 Resp: 279132  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.1 10.7#  
236 26.6 21.0 31.6



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: 57.894 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118193.D

Acq: 13 Dec 2019 18:31

Instrument :

BNA\_F

ClientSampled :

VNJ-239

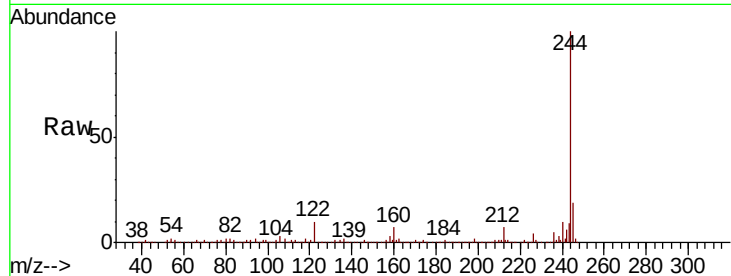
Tot Ion:244 Resp: 939742

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

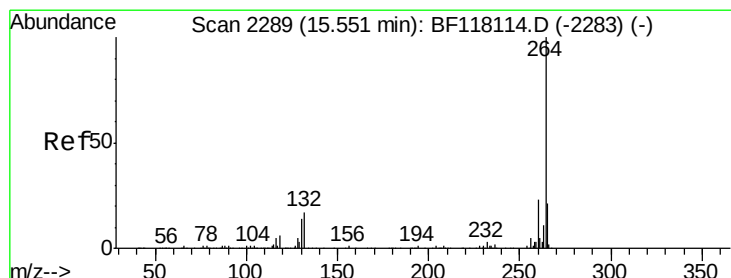
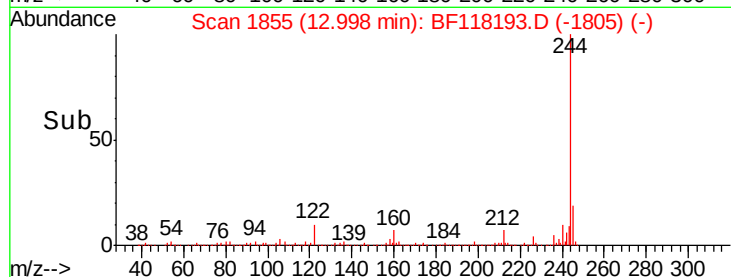
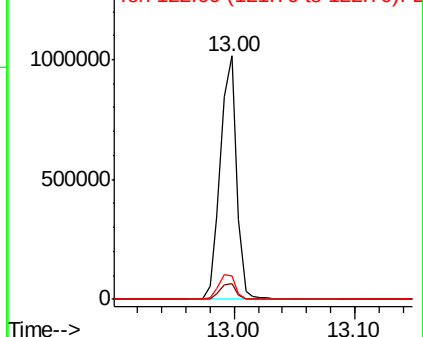
122 9.9 9.0 13.6



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: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118193.D

Acq: 13 Dec 2019 18:31

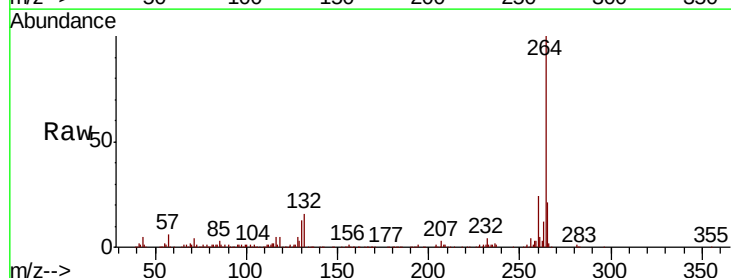
Tgt Ion:264 Resp: 276919

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 21.5 16.8 25.2



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

