

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121218\  
 Data File : BF111352.D  
 Acq On : 13 Dec 2018 5:46  
 Operator : JU/SJ  
 Sample : J6349-01  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-242

Quant Time: Dec 13 07:39:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 13:16:52 2018  
 Response via : Initial Calibration

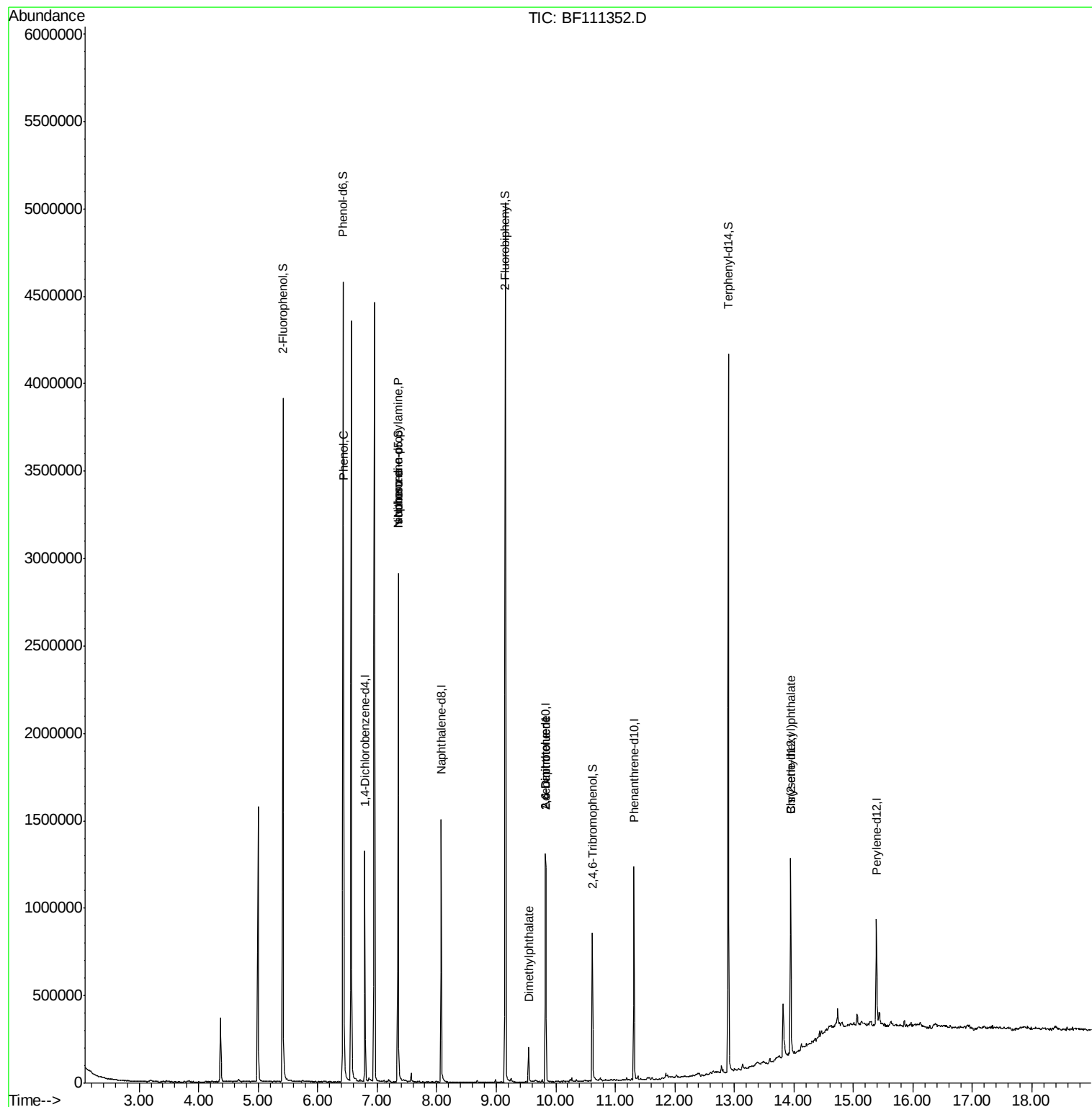
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 189053   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 668586   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.83  | 164  | 270625   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.31 | 188  | 466159   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.95 | 240  | 354711   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.39 | 264  | 290503   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 1056138  | 94.47     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.43  | 99   | 1562061  | 103.63    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.35  | 82   | 889169   | 74.96     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.62 | 330  | 94845    | 39.76     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.15  | 172  | 1519828  | 90.16     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.90 | 244  | 1478378  | 91.73     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.34  | 77   | 1067     | Below Cal |       | 92       |
| 10) Phenol                     | 6.44  | 94   | 55397    | 3.244 ng  |       | 96       |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 114422   | 11.424 ng | #     | 79       |
| 25) Isophorone                 | 7.35  | 82   | 874999   | 43.426 ng | #     | 64       |
| 50) Dimethylphthalate          | 9.55  | 163  | 81830    | 4.205 ng  |       | 96       |
| 51) 2,6-Dinitrotoluene         | 9.83  | 165  | 33957    | 7.872 ng  | #     | 30       |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 33957    | 6.142 ng  | #     | 25       |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 102136   | 6.356 ng  |       | 98       |

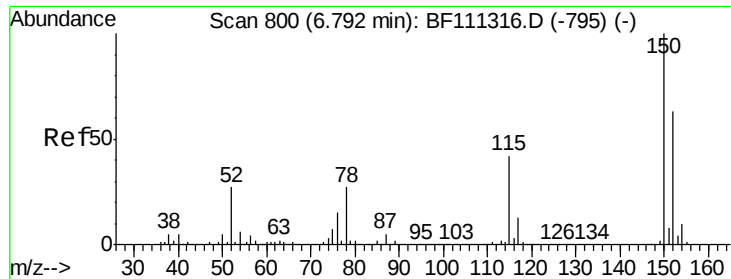
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 30 Sample Multiplier: 1

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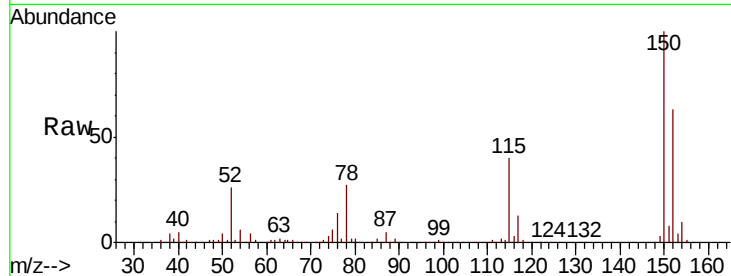




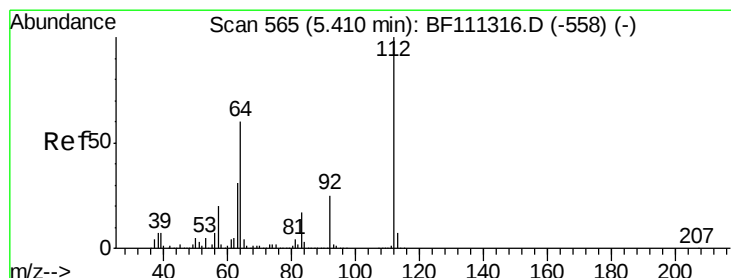
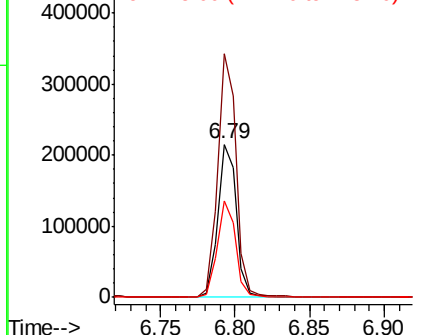
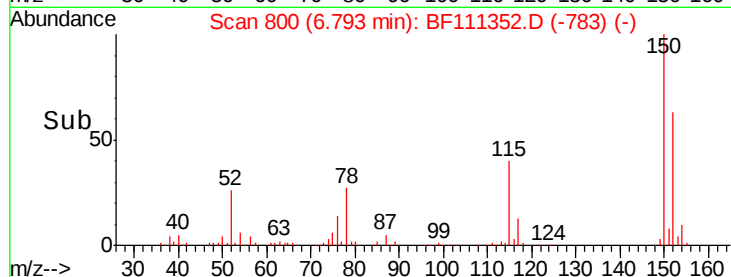
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 800  
 Delta R.T. 0.00 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-242

Tgt Ion:152 Resp: 189053  
 Ion Ratio Lower Upper  
 152 100  
 150 158.9 126.6 189.8  
 115 62.9 50.7 76.1

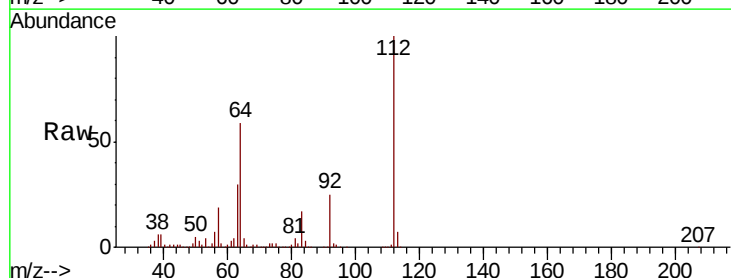


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

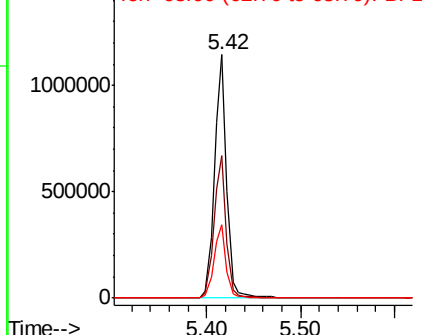
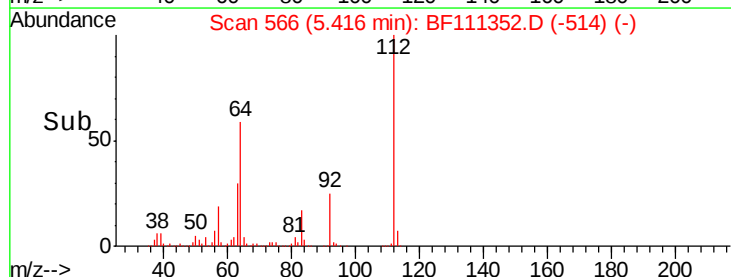


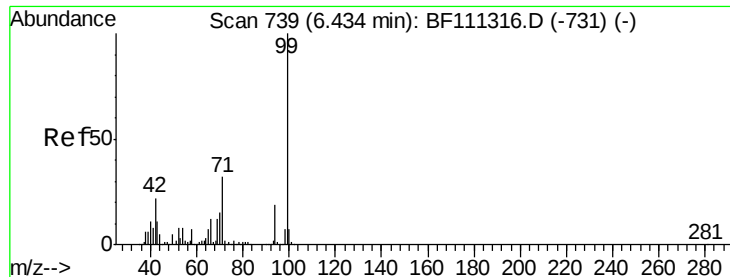
#5  
 2-Fluorophenol  
 Concen: 94.469 ng  
 RT: 5.42 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

Tgt Ion:112 Resp: 1056138  
 Ion Ratio Lower Upper  
 112 100  
 64 58.6 51.8 77.6  
 63 30.0 26.8 40.2



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: 103.631 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111352.D

Acq: 13 Dec 2018 5:46

Instrument :

BNA\_F

ClientSampleId :

VNJ-242

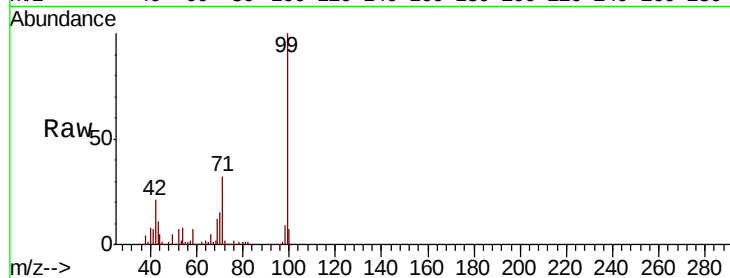
Tgt Ion: 99 Resp: 1562061

Ion Ratio Lower Upper

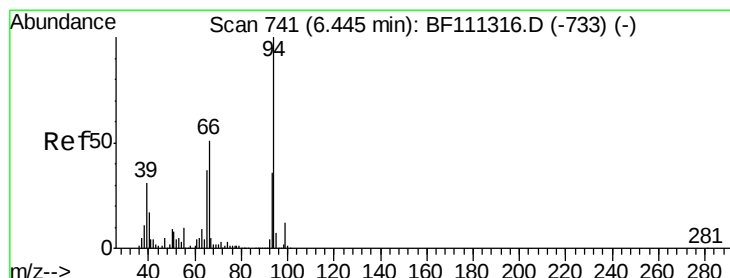
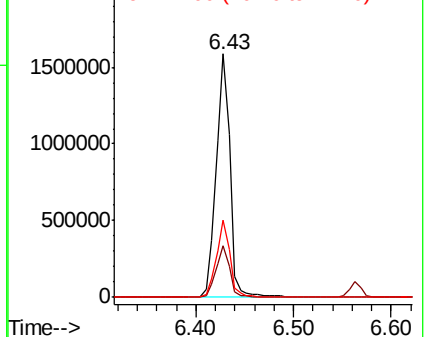
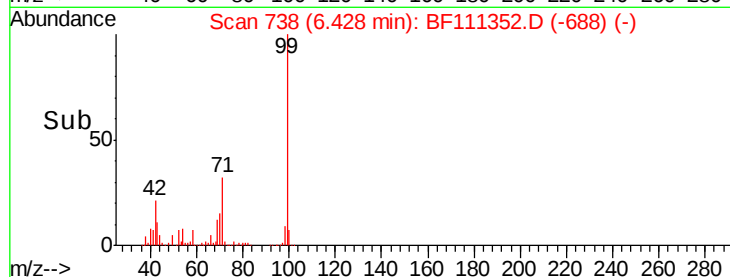
99 100

42 21.1 17.4 26.0

71 31.7 26.1 39.1



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



#10

Phenol

Concen: 3.244 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111352.D

Acq: 13 Dec 2018 5:46

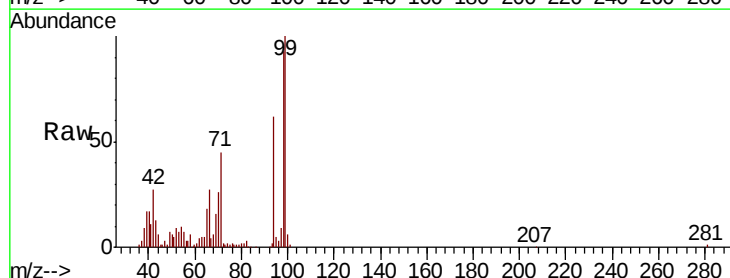
Tgt Ion: 94 Resp: 55397

Ion Ratio Lower Upper

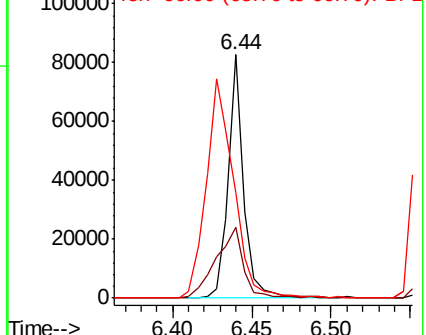
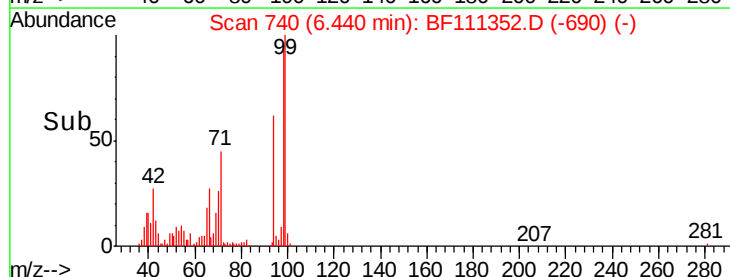
94 100

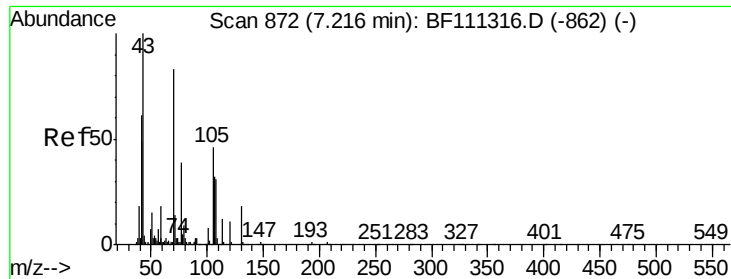
65 29.0 11.7 51.7

66 43.2 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

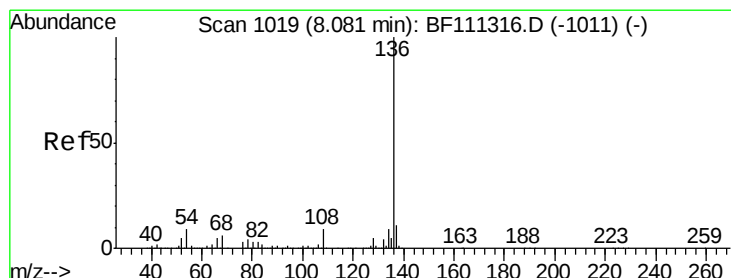
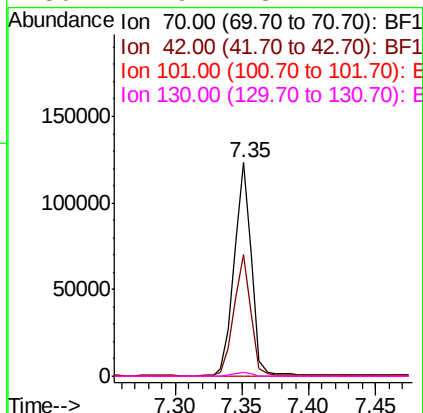
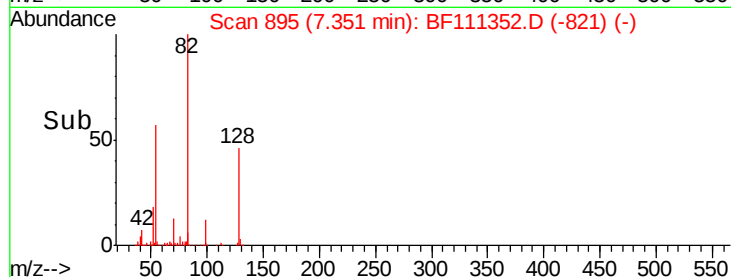
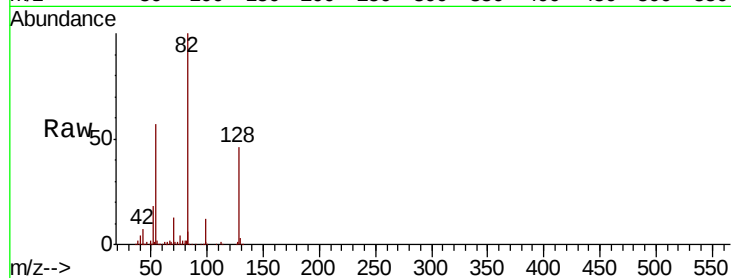




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.424 ng  
RT: 7.35 min Scan# 895  
Delta R.T. 0.14 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

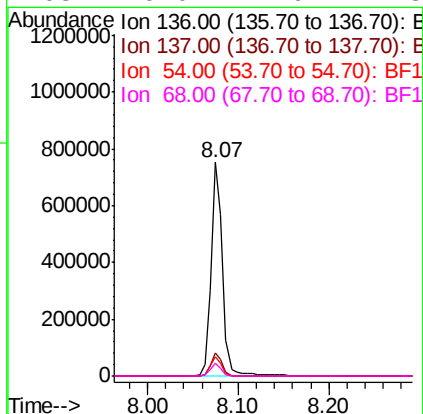
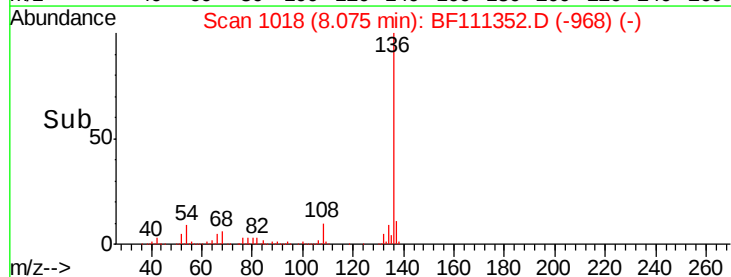
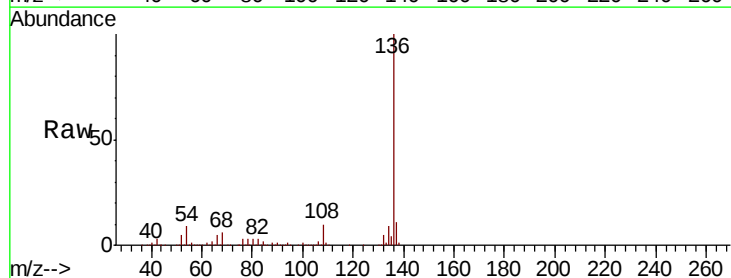
Instrument :  
BNA\_F  
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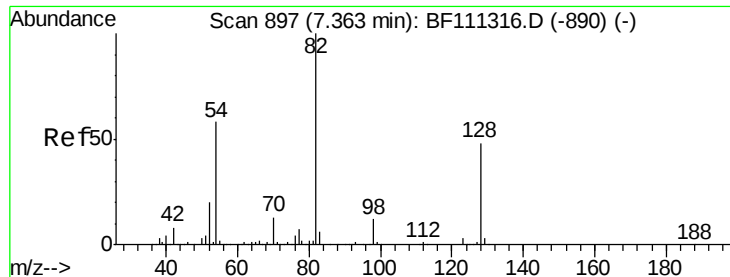
Tgt Ion: 70 Resp: 114422  
Ion Ratio Lower Upper  
70 100  
42 56.9 53.2 79.8  
101 0.0 8.2 12.4#  
130 1.9 18.1 27.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

Tgt Ion: 136 Resp: 668586  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.1 13.7  
54 9.2 7.7 11.5  
68 6.0 4.9 7.3

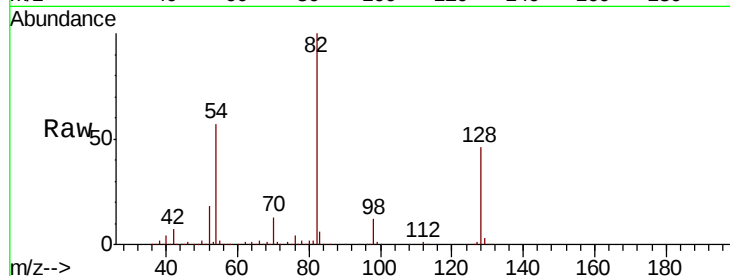




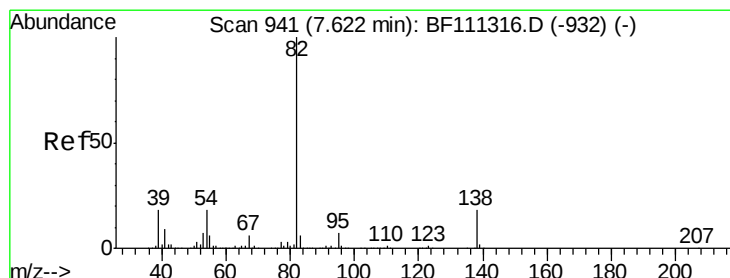
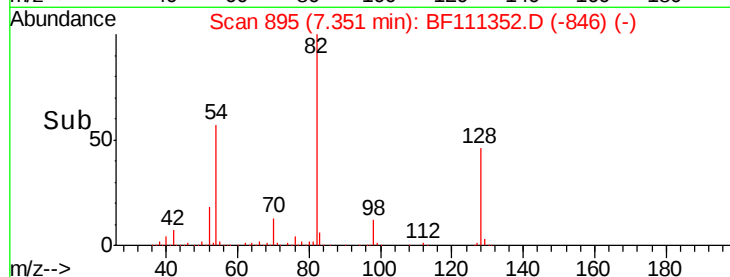
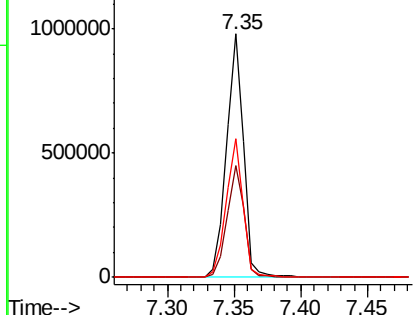
#23  
 Nitrobenzene-d5  
 Concen: 74.959 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.01 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-242

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.2  | 37.4  | 56.2  |
| 54      | 56.8  | 47.6  | 71.4  |

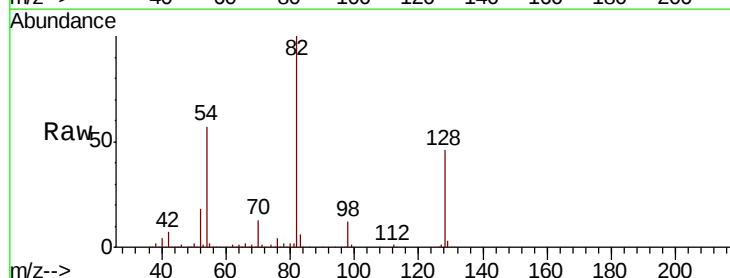


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

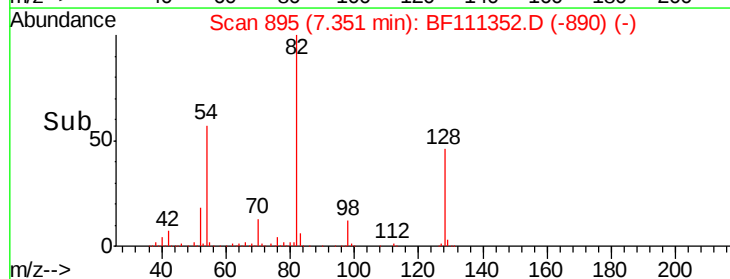
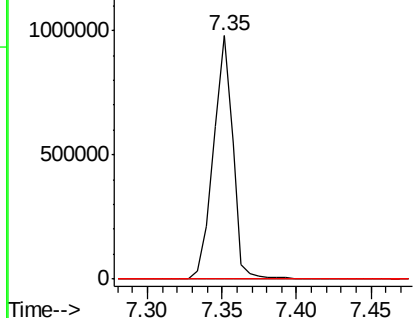


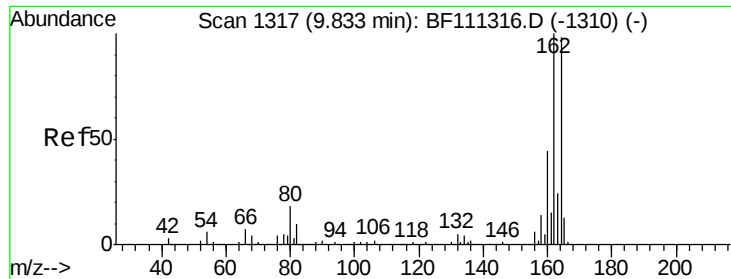
#25  
 Isophorone  
 Concen: 43.426 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.27 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.4   | 8.2#  |
| 138     | 0.0   | 15.1  | 22.7# |



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

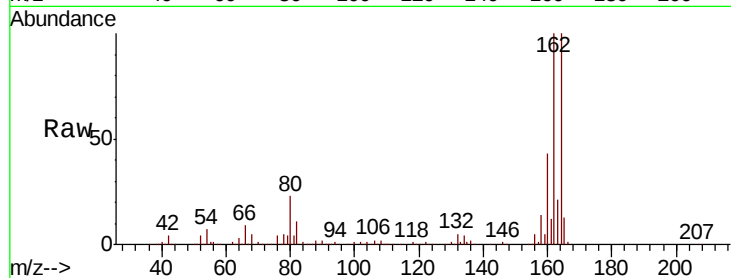




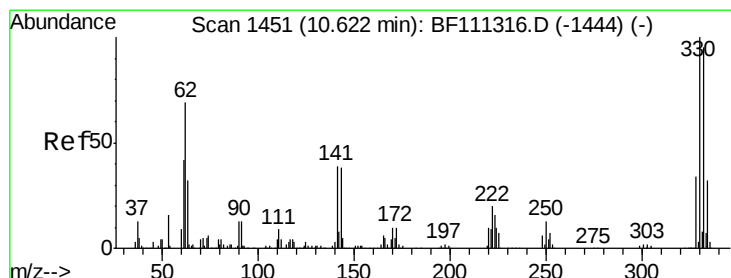
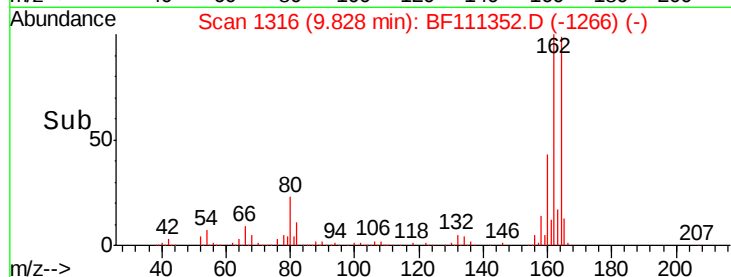
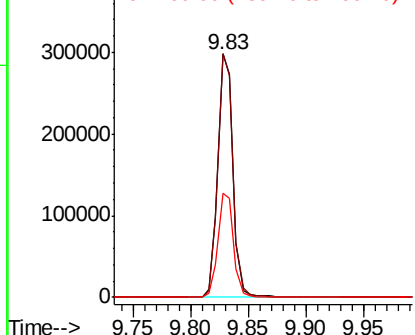
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-242

Tgt Ion:164 Resp: 270625  
Ion Ratio Lower Upper  
164 100  
162 100.2 81.4 122.0  
160 43.0 35.7 53.5

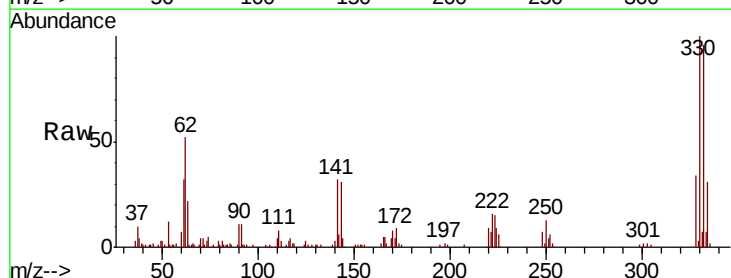


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

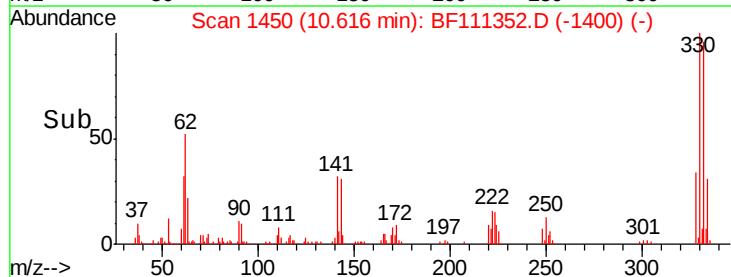
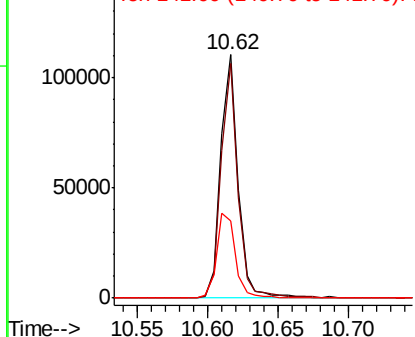


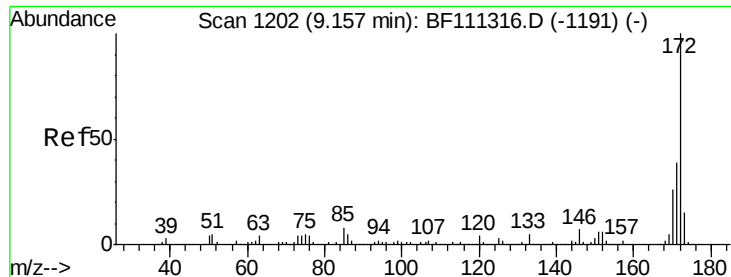
#42  
2,4,6-Tribromophenol  
Concen: 39.757 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

Tgt Ion:330 Resp: 94845  
Ion Ratio Lower Upper  
330 100  
332 94.3 76.0 114.0  
141 37.9 31.0 46.6



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

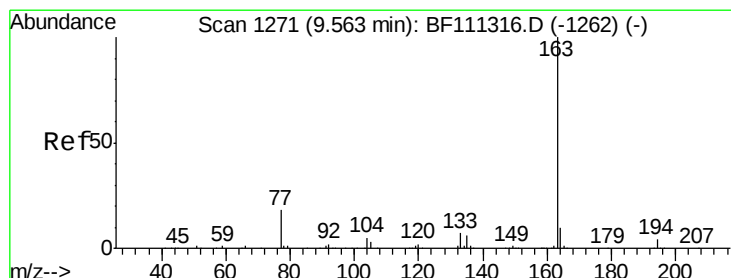
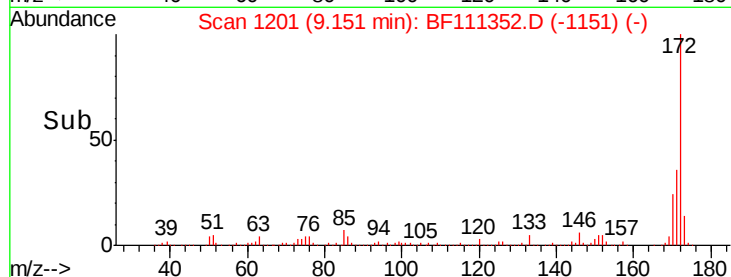
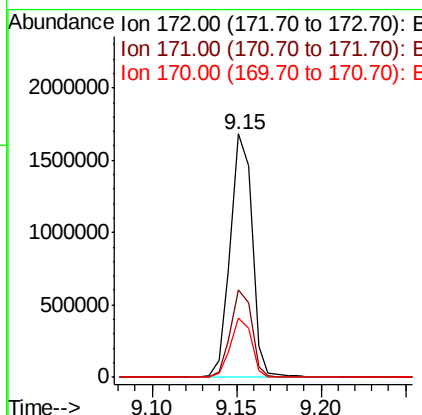
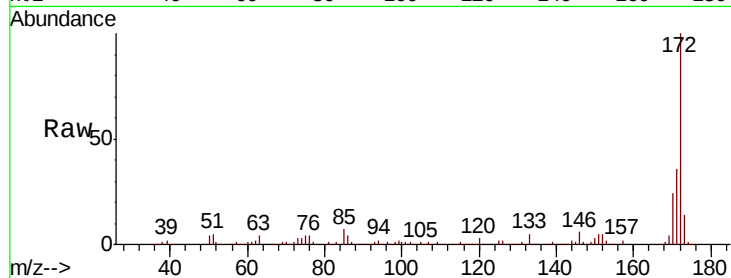




#45  
 2-Fluorobiphenyl  
 Concen: 90.164 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

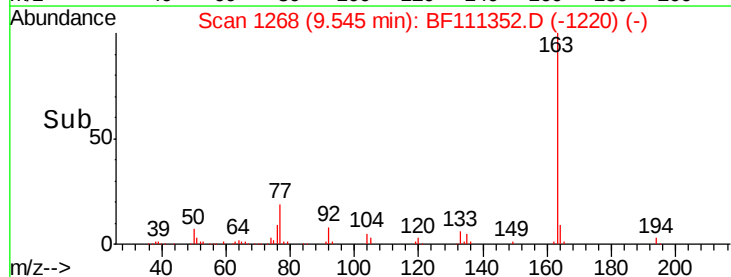
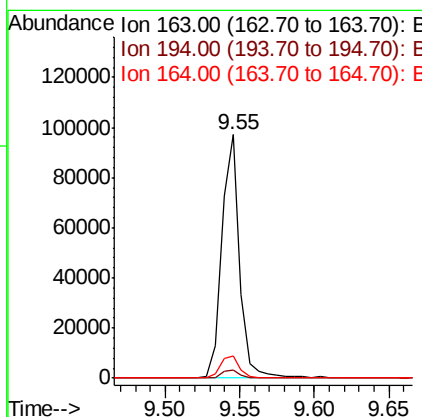
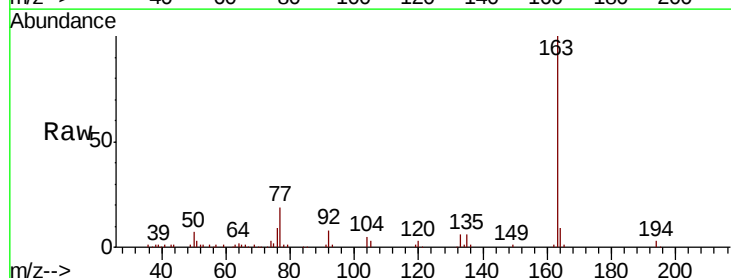
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-242

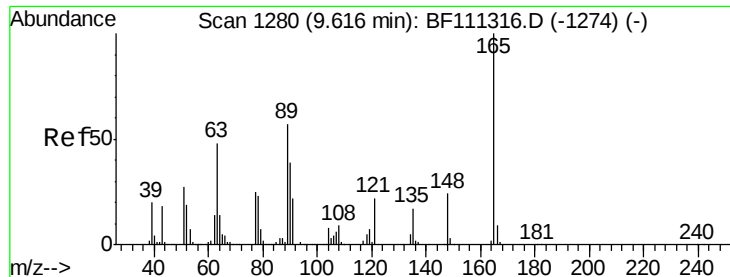
Tgt Ion:172 Resp: 1519828  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 33.0 49.4  
 170 24.1 22.3 33.5



#50  
 Dimethylphthalate  
 Concen: 4.205 ng  
 RT: 9.55 min Scan# 1268  
 Delta R.T. -0.02 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

Tgt Ion:163 Resp: 81830  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 3.0 4.6  
 164 9.1 8.9 13.3

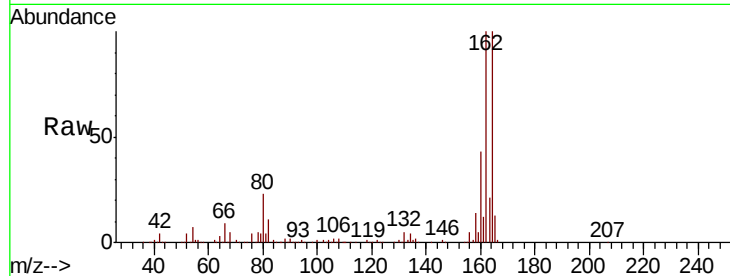




#51  
 2,6-Dinitrotoluene  
 Concen: 7.872 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. 0.21 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-242

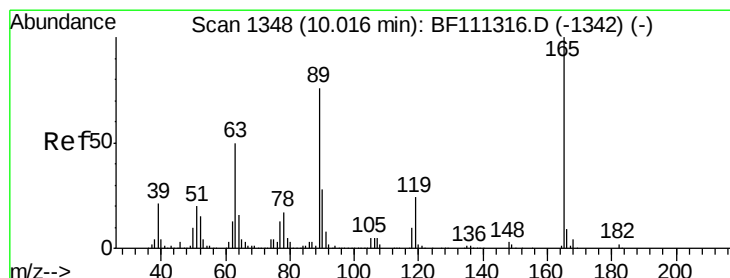
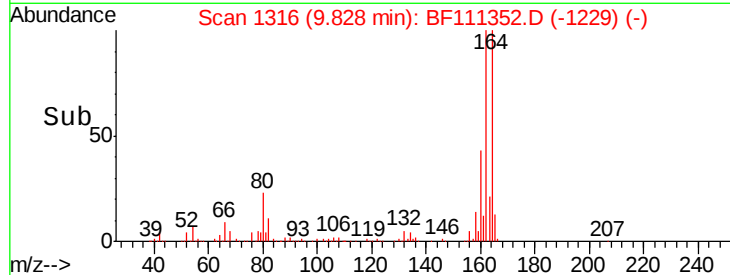
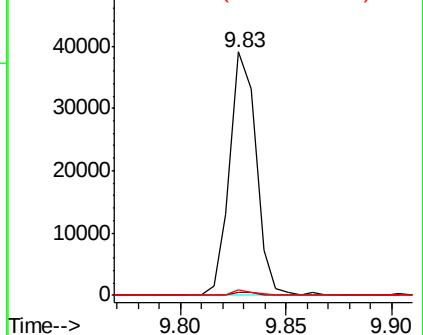
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 40.5  | 60.7# |
| 89      | 2.1   | 40.0  | 60.0# |



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: 6.142 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.19 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

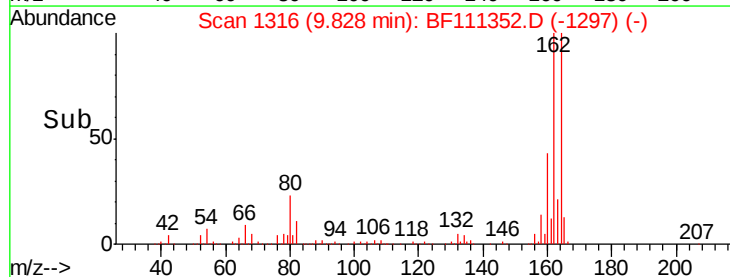
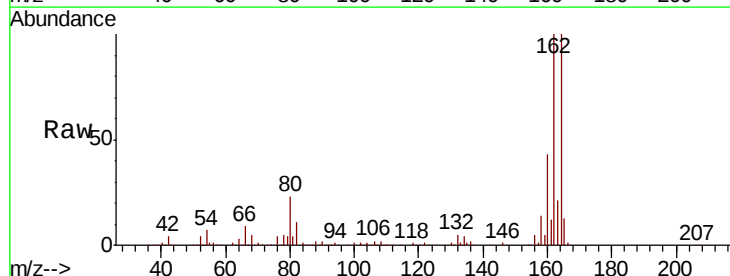
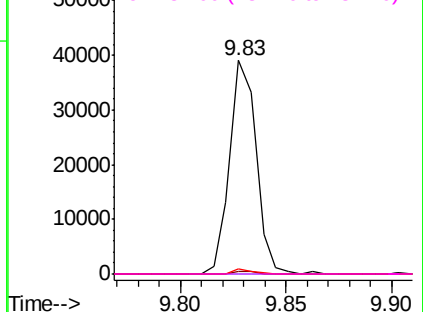
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 34.6  | 52.0# |
| 89      | 2.1   | 56.2  | 84.4# |
| 182     | 0.0   | 1.8   | 2.6#  |

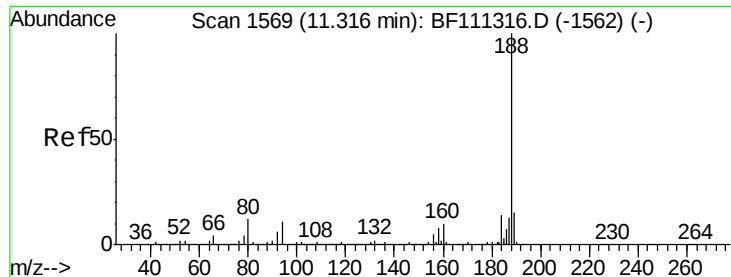
Abundance Ion 165.00 (164.70 to 165.70): E

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

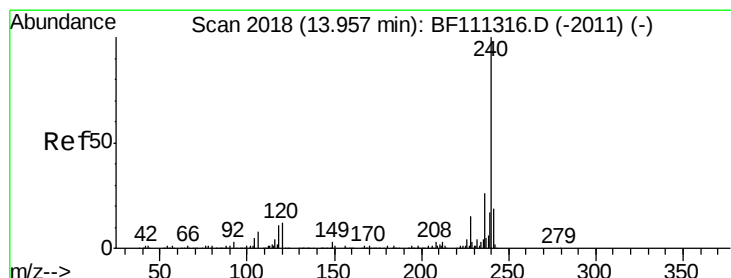
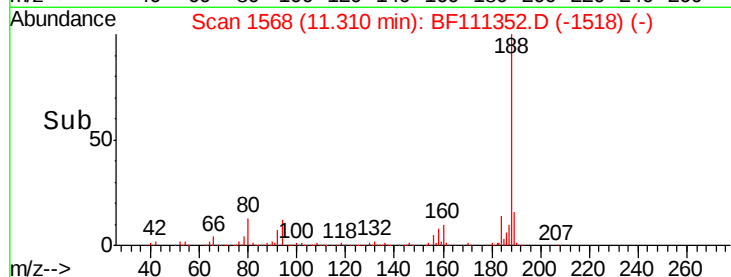
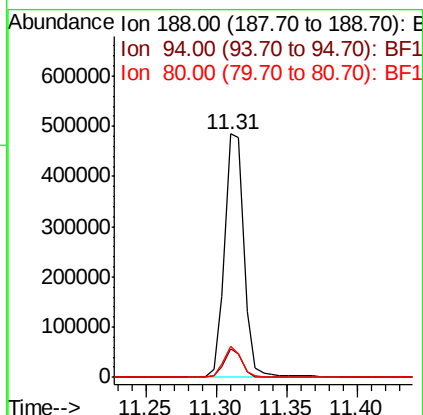
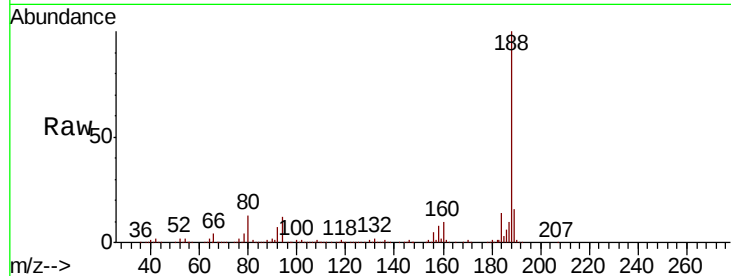




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

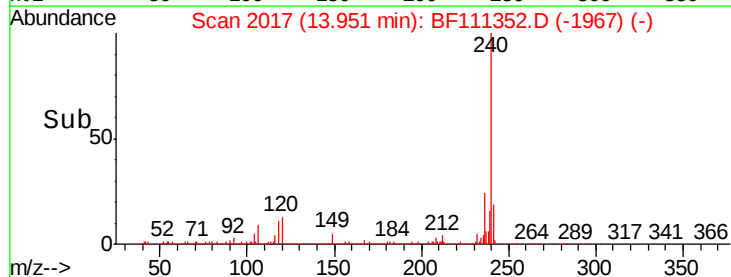
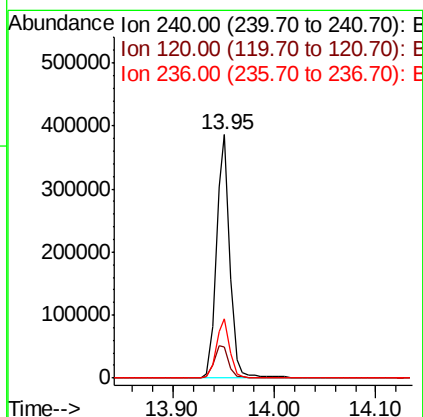
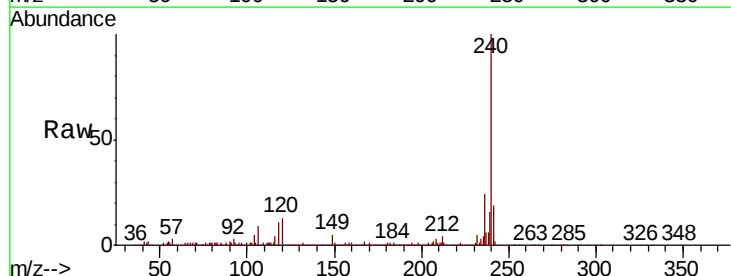
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-242

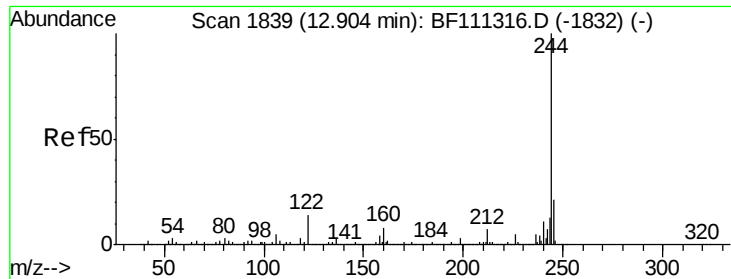
Tgt Ion:188 Resp: 466159  
Ion Ratio Lower Upper  
188 100  
94 11.9 9.6 14.4  
80 12.6 9.8 14.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.01 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

Tgt Ion:240 Resp: 354711  
Ion Ratio Lower Upper  
240 100  
120 12.9 12.2 18.2  
236 24.3 20.2 30.2

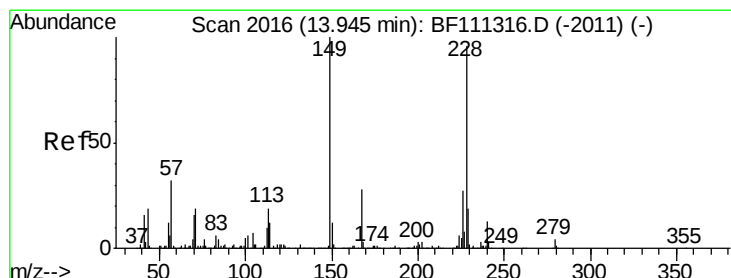
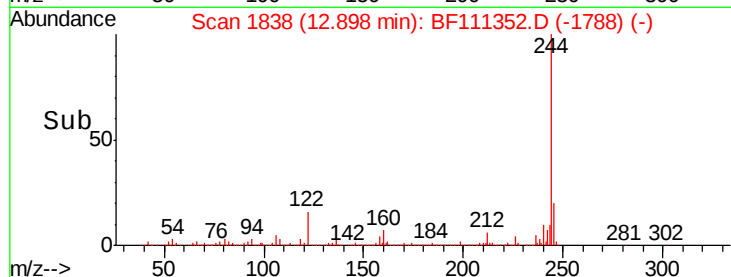
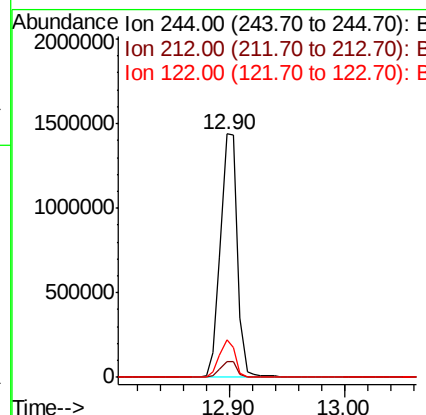
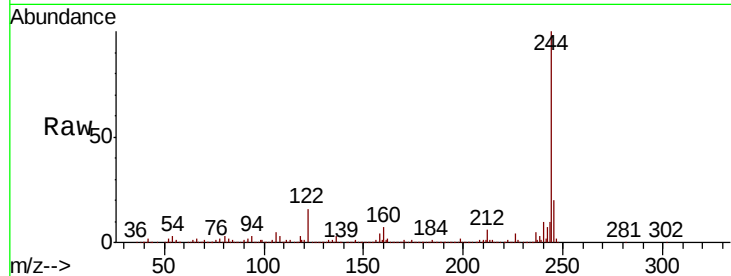




#79  
 Terphenyl-d14  
 Concen: 91.732 ng  
 RT: 12.90 min Scan# 1838  
 Delta R.T. -0.01 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

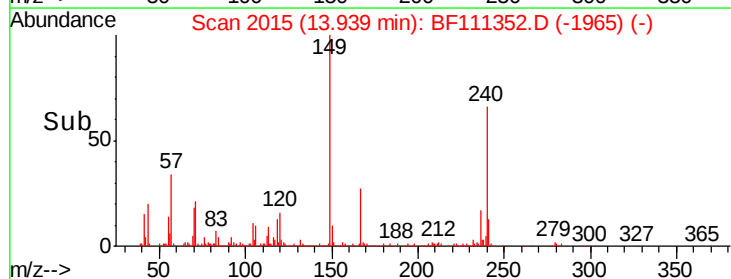
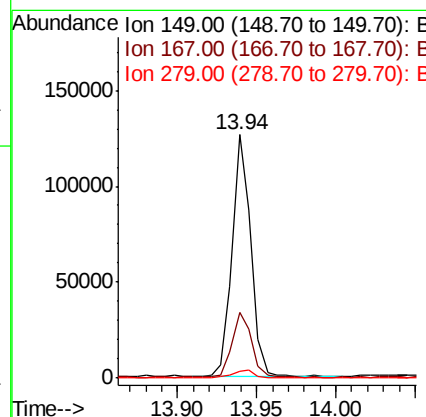
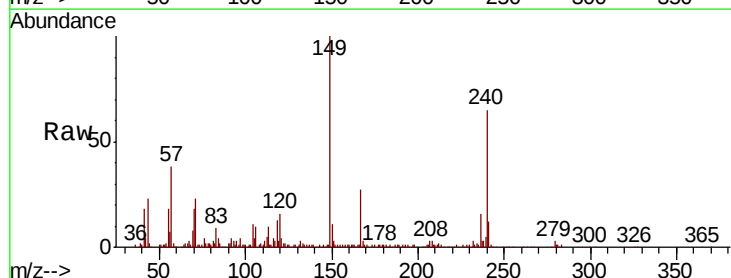
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-242

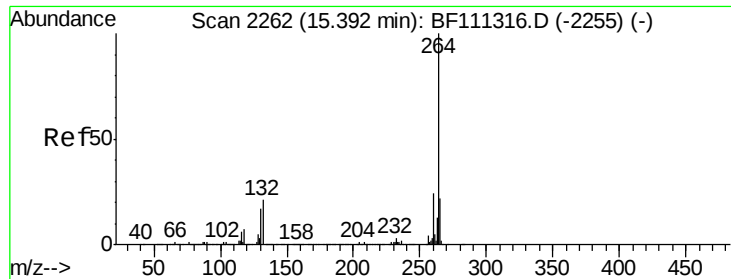
Tgt Ion:244 Resp: 1478378  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.7 8.5  
 122 15.6 13.1 19.7



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 6.356 ng  
 RT: 13.94 min Scan# 2015  
 Delta R.T. -0.01 min  
 Lab File: BF111352.D  
 Acq: 13 Dec 2018 5:46

Tgt Ion:149 Resp: 102136  
 Ion Ratio Lower Upper  
 149 100  
 167 26.9 22.5 33.7  
 279 2.7 2.6 4.0





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.39 min Scan# 2261  
Delta R.T. -0.01 min  
Lab File: BF111352.D  
Acq: 13 Dec 2018 5:46

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-242

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 18.3  | 27.5  |
| 265     | 22.2  | 17.7  | 26.5  |

