

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032921\  
 Data File : BF123502.D  
 Acq On : 29 Mar 2021 18:43  
 Operator : JU/CG  
 Sample : M1813-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-236

Quant Time: Mar 30 00:33:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 26 12:51:59 2021  
 Response via : Initial Calibration

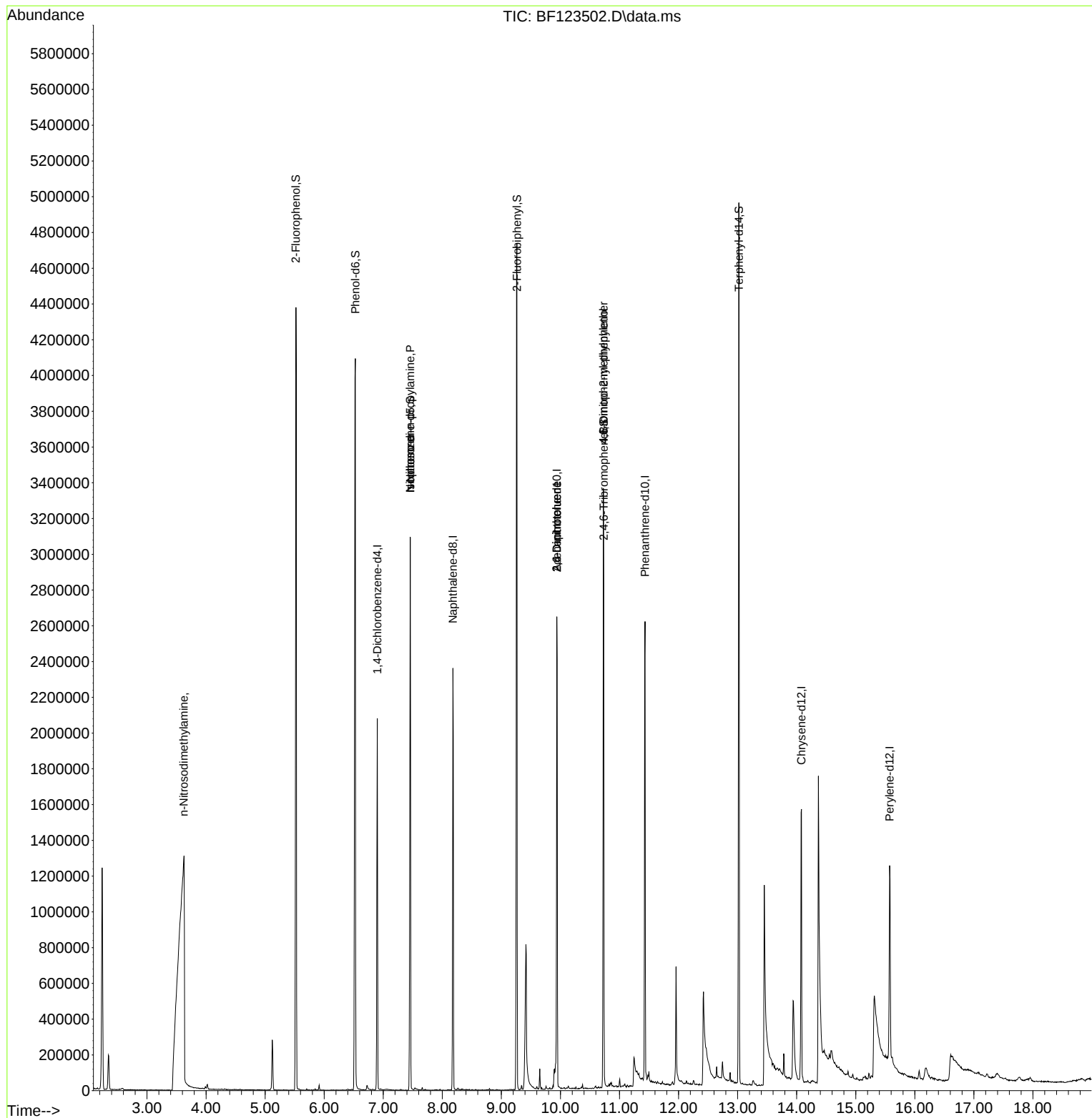
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 270219   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 1005149  | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.939  | 164  | 549607   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 933531   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 14.080 | 240  | 549701   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 529821   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 1149693  | 69.60     | ng    | 0.00     |
| 7) Phenol-d6                  | 6.528  | 99   | 1435399  | 65.28     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 947325   | 50.87     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 406680   | 66.19     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 1548517  | 40.25     | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.021 | 244  | 1567950  | 48.34     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 170369   | 13.63     | ng    | # 1      |
| 9) Benzaldehyde               | 6.528  | 77   | 2427     | Below Cal |       | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 127771   | 8.98      | ng    | # 81     |
| 25) Isophorone                | 7.457  | 82   | 947315   | 23.66     | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 72610    | 8.90      | ng    | # 33     |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 72610    | 7.13      | ng    | # 27     |
| 65) 4,6-Dinitro-2-methylph... | 10.727 | 198  | 912      | 5.29      | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 23404    | 2.12      | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

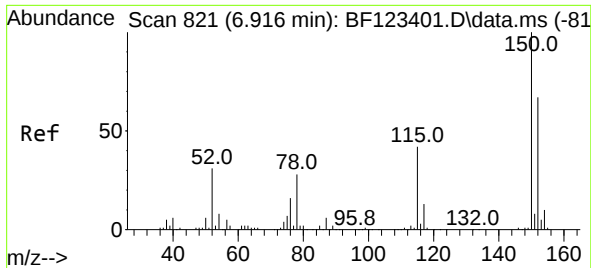
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M1813-03  
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QLast Update : Fri Mar 26 12:51:59 2021  
Response via : Initial Calibration

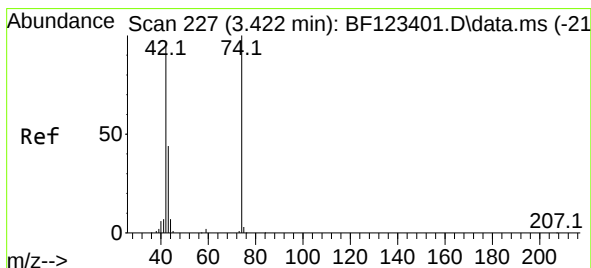
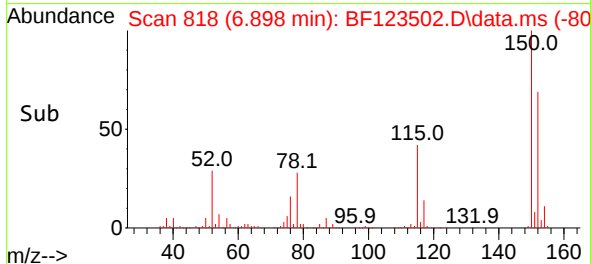
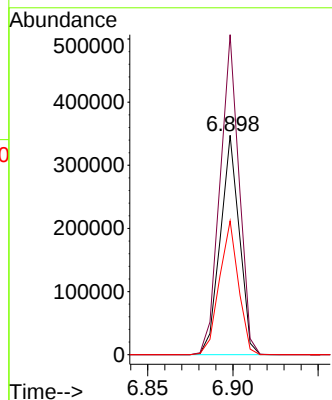
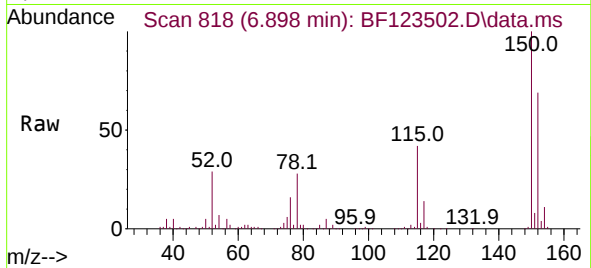




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.898 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

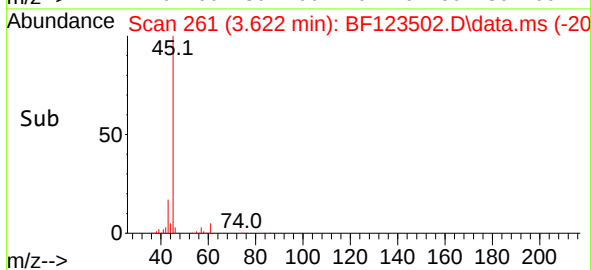
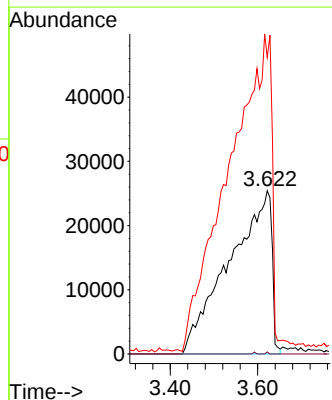
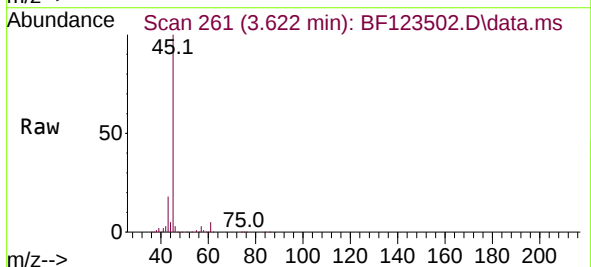
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BNA\_F  
ClientSampleId :  
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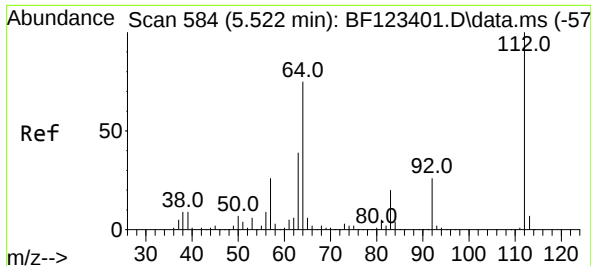
Tgt Ion:152 Resp: 270219  
Ion Ratio Lower Upper  
152 100  
150 145.9 125.8 188.6  
115 61.0 49.3 73.9



#4  
n-Nitrosodimethylamine  
Concen: 13.63 ng  
RT: 3.622 min Scan# 261  
Delta R.T. 0.229 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Tgt Ion: 42 Resp: 170369  
Ion Ratio Lower Upper  
42 100  
74 1.3 115.2 172.8#  
44 181.8 5.4 8.0#

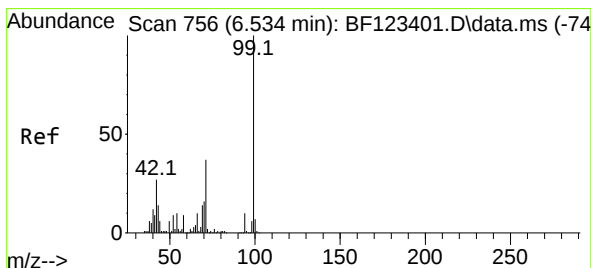
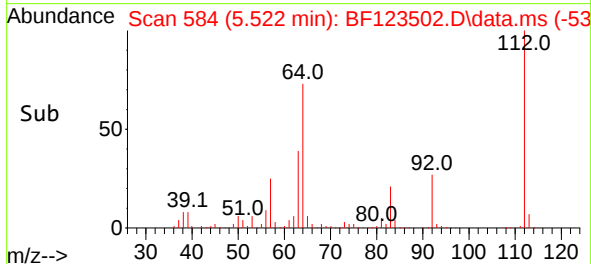
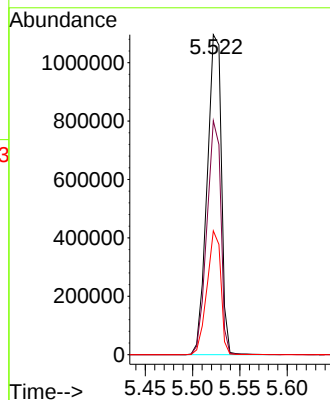
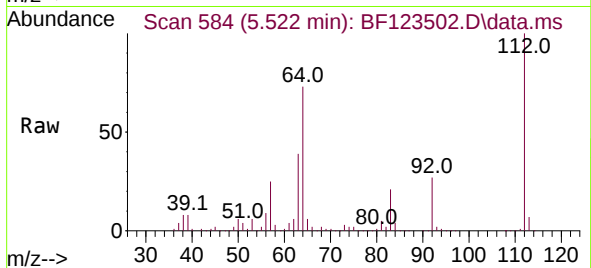




#5  
2-Fluorophenol  
Concen: 69.60 ng  
RT: 5.522 min Scan# 584  
Delta R.T. 0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

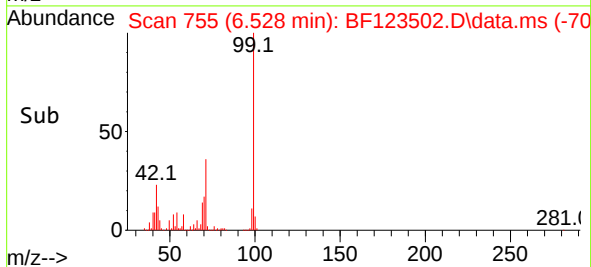
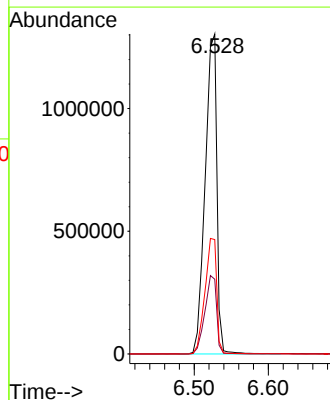
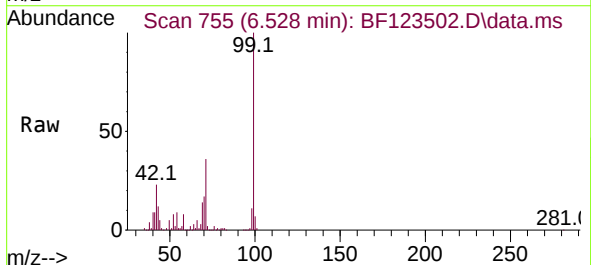
Instrument :  
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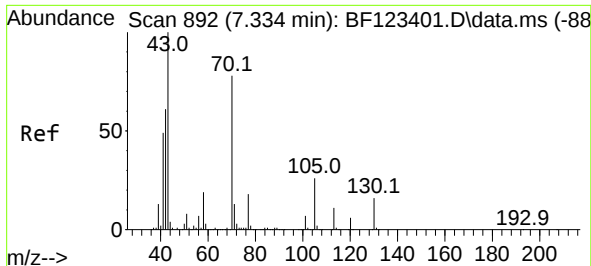
Tgt Ion:112 Resp: 1149693  
Ion Ratio Lower Upper  
112 100  
64 73.1 46.9 70.3#  
63 38.7 24.5 36.7#



#7  
Phenol-d6  
Concen: 65.28 ng  
RT: 6.528 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

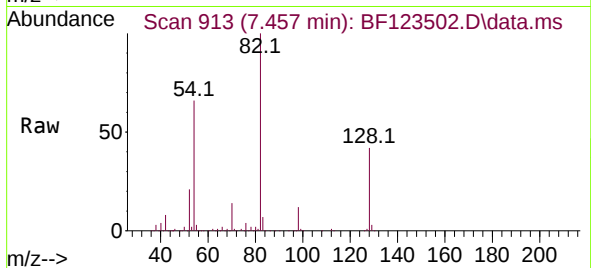
Tgt Ion: 99 Resp: 1435399  
Ion Ratio Lower Upper  
99 100  
42 23.3 13.8 20.6#  
71 35.7 26.9 40.3



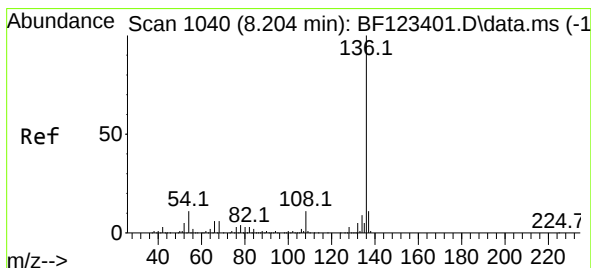
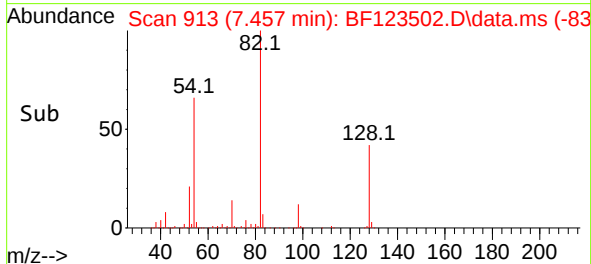
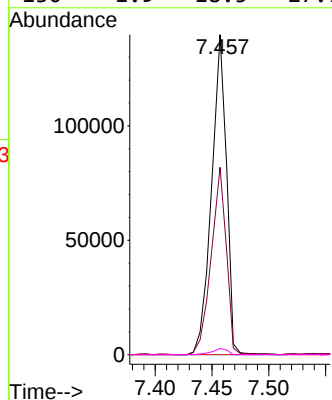


#19  
n-Nitroso-di-n-propylamine  
Concen: 8.98 ng  
RT: 7.457 min Scan# 913  
Delta R.T. 0.141 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236

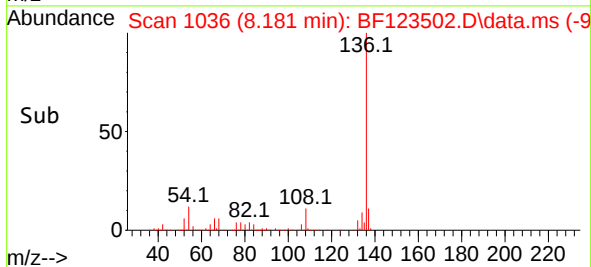
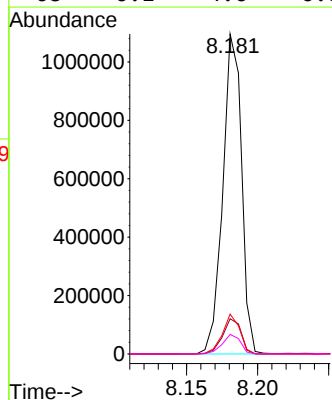
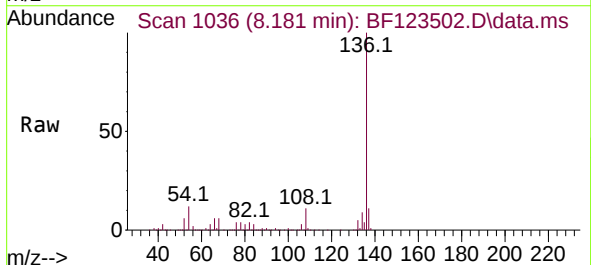


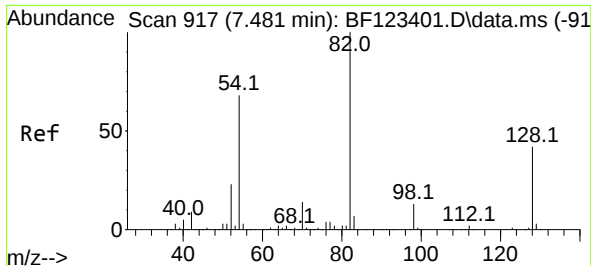
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 58.5  | 43.0  | 64.4  |
| 101     | 0.0   | 7.9   | 11.9# |
| 130     | 1.9   | 18.5  | 27.7# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 8.8   | 13.2  |
| 54      | 12.5  | 5.5   | 8.3#  |
| 68      | 6.1   | 4.6   | 6.8   |

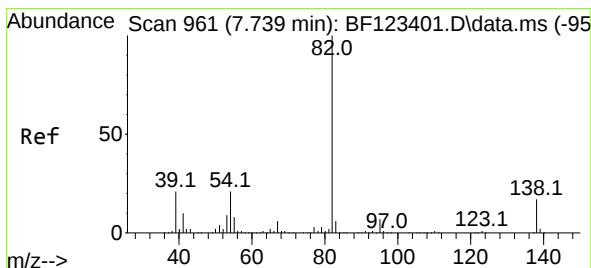
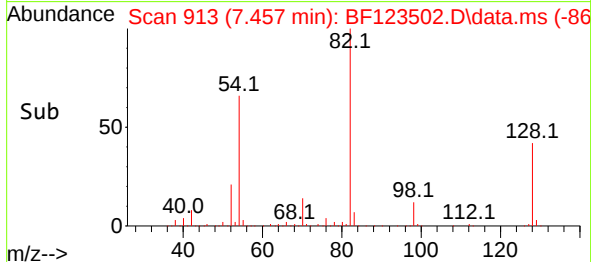
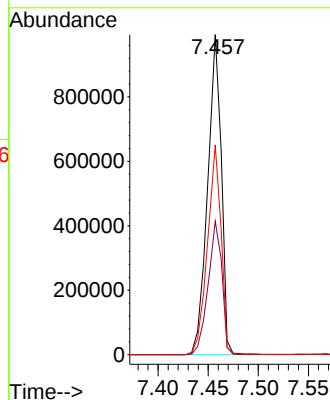
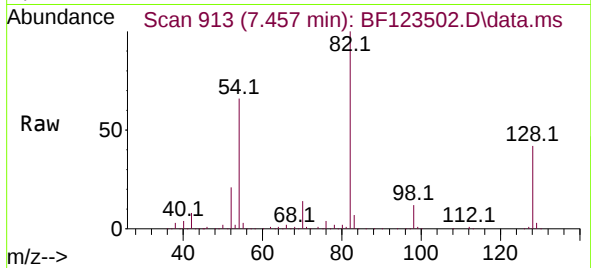




#23  
Nitrobenzene-d5  
Concen: 50.87 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

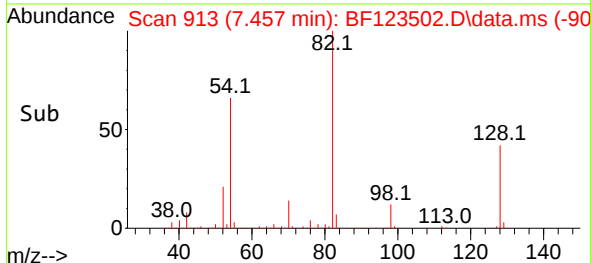
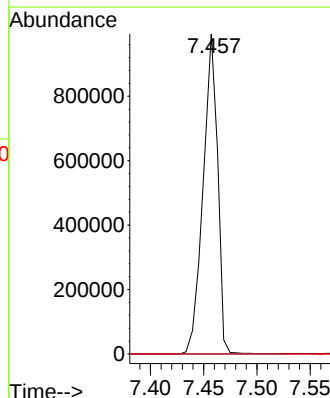
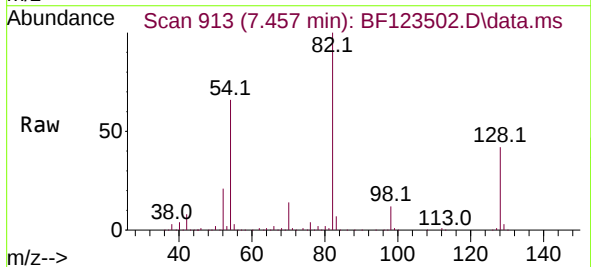
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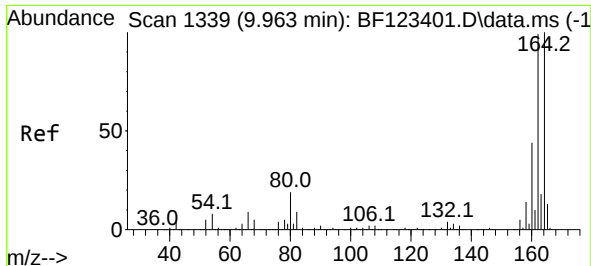
Tgt Ion: 82 Resp: 947325  
Ion Ratio Lower Upper  
82 100  
128 41.7 37.0 55.4  
54 65.5 38.4 57.6#



#25  
Isophorone  
Concen: 23.66 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.265 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Tgt Ion: 82 Resp: 947315  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#

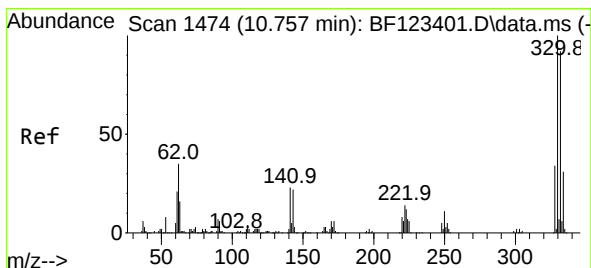
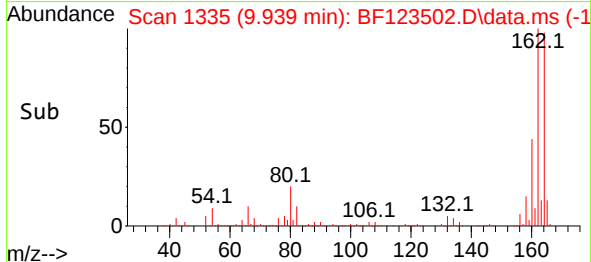
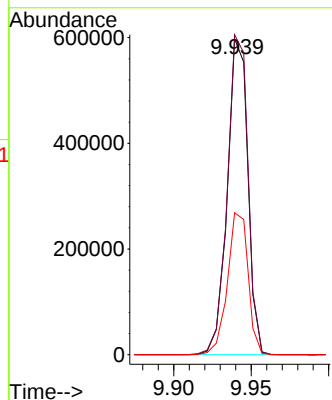
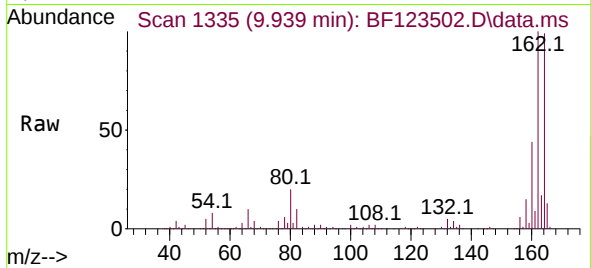




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

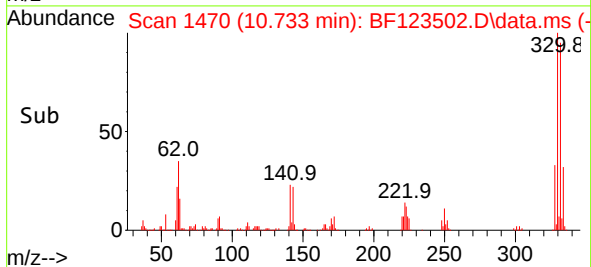
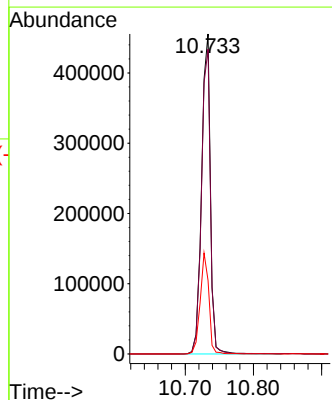
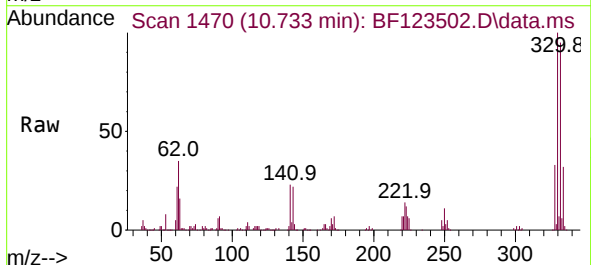
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ClientSampleId :  
VNJ-236

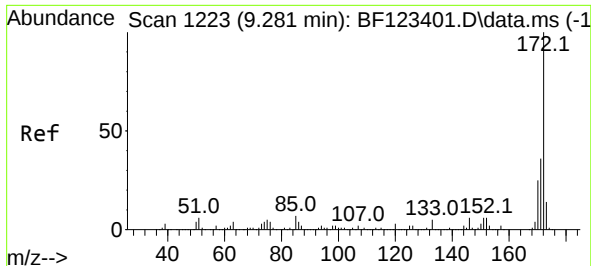
Tgt Ion:164 Resp: 549607  
Ion Ratio Lower Upper  
164 100  
162 101.3 80.8 121.2  
160 44.9 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 66.19 ng  
RT: 10.733 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Tgt Ion:330 Resp: 406680  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.5 116.3  
141 31.2 23.8 35.8

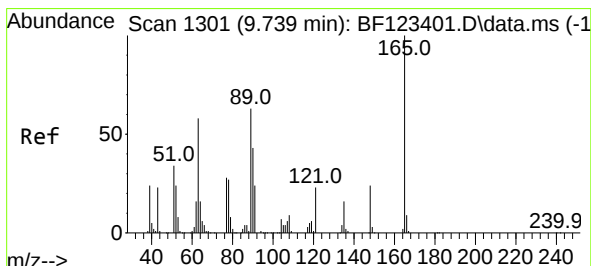
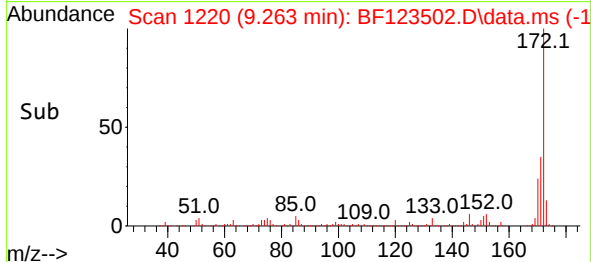
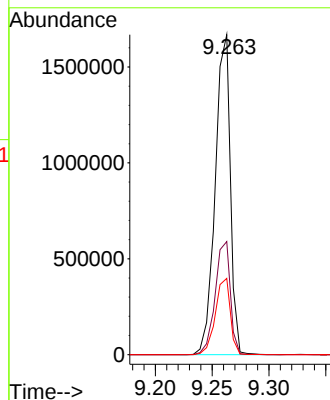
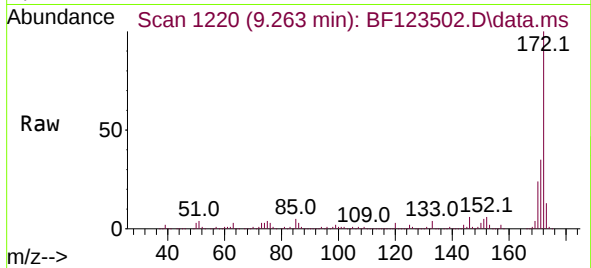




#45  
2-Fluorobiphenyl  
Concen: 40.25 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

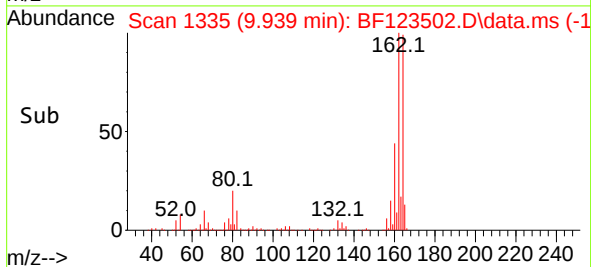
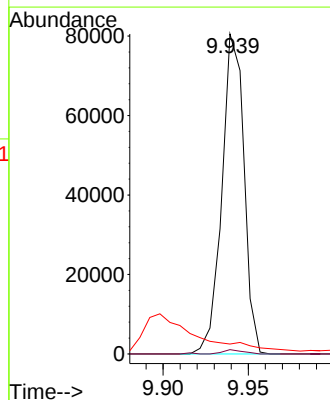
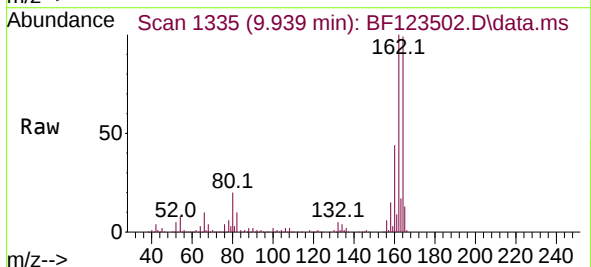
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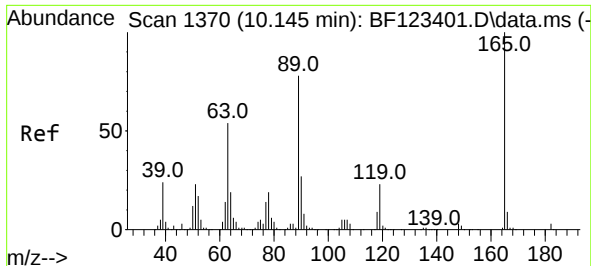
Tgt Ion:172 Resp: 1548517  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.6 44.4  
170 23.8 19.5 29.3



#51  
2,6-Dinitrotoluene  
Concen: 8.90 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. 0.212 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Tgt Ion:165 Resp: 72610  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.6 55.0#  
89 3.1 39.4 59.0#

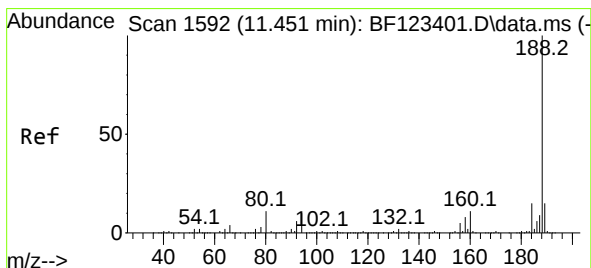
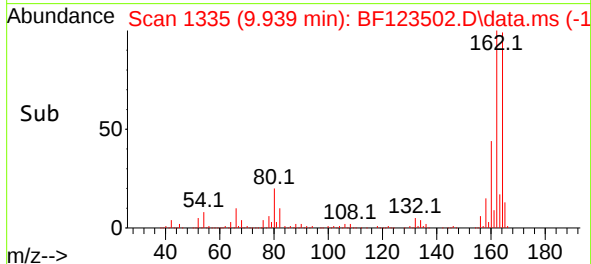
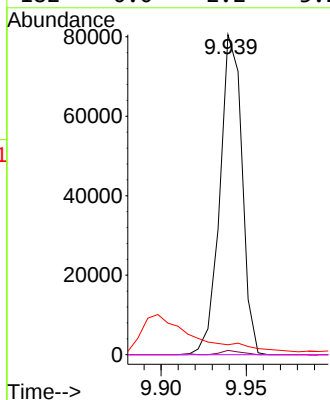
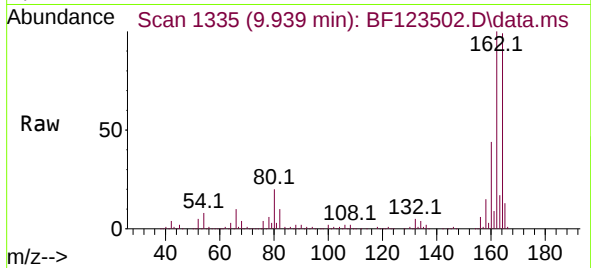




#57  
2,4-Dinitrotoluene  
Concen: 7.13 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.188 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

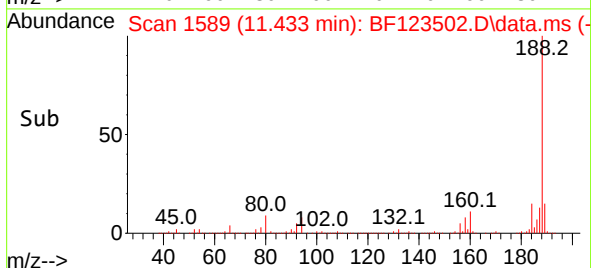
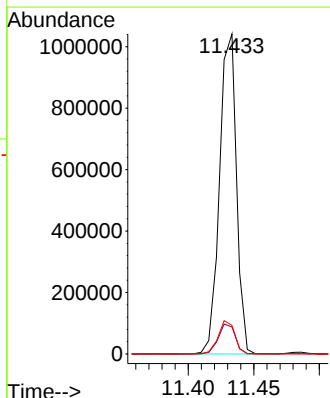
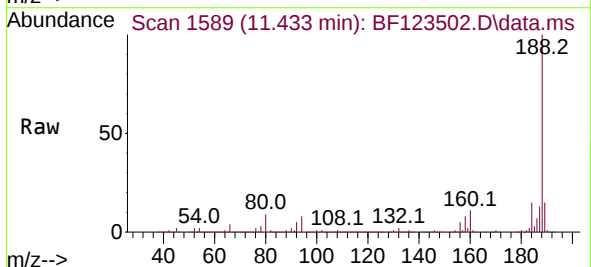
Instrument :  
BNA\_F  
ClientSampleId :  
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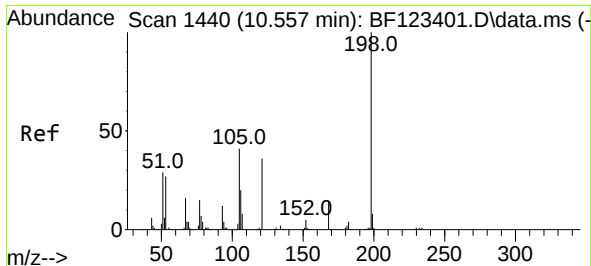
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 72610      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.4   | 34.3 51.5# |
| 89          | 3.1   | 55.2 82.8# |
| 182         | 0.0   | 2.2 3.2#   |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 933531   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 8.5   | 7.4 11.2 |
| 80          | 9.0   | 8.2 12.4 |

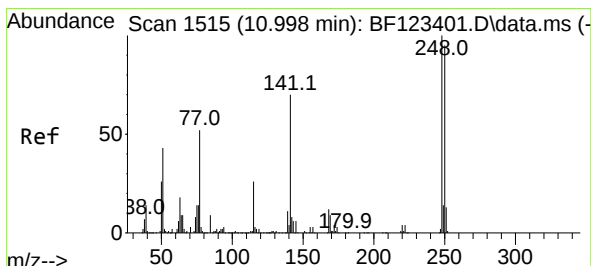
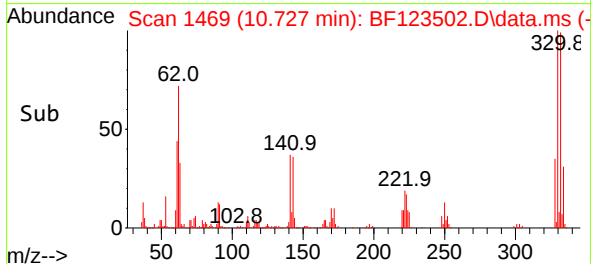
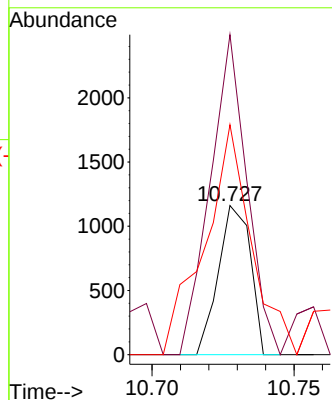
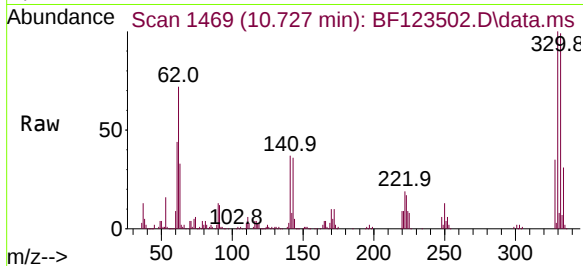




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.29 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. 0.188 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

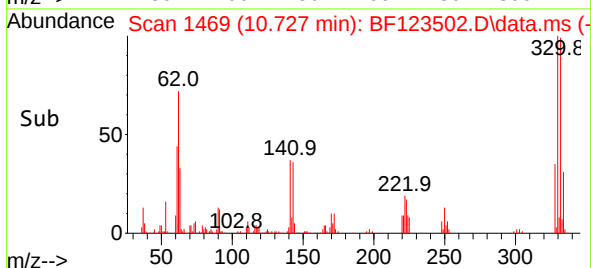
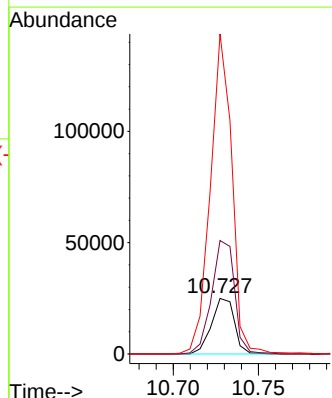
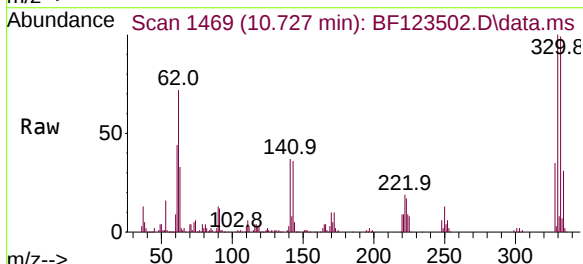
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236

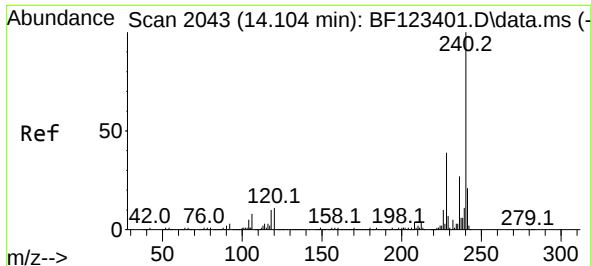
Tgt Ion:198 Resp: 912  
Ion Ratio Lower Upper  
198 100  
51 214.6 20.3 60.3#  
105 154.3 23.0 63.0#



#67  
4-Bromophenyl-phenylether  
Concen: 2.12 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.253 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Tgt Ion:248 Resp: 23404  
Ion Ratio Lower Upper  
248 100  
250 204.1 76.8 115.2#  
141 575.7 59.8 89.8#

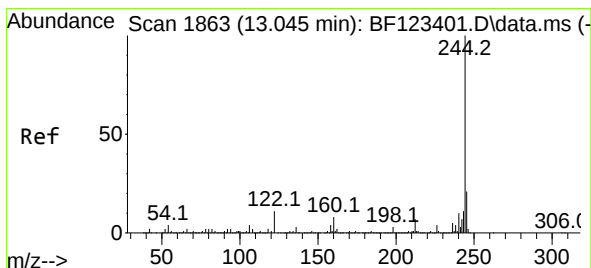
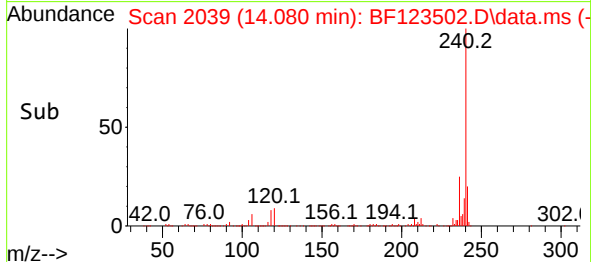
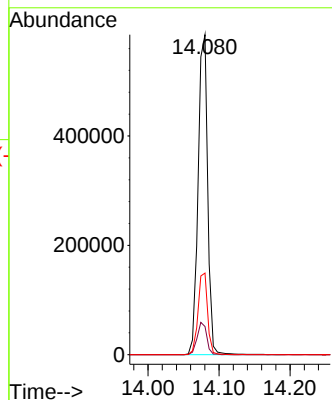
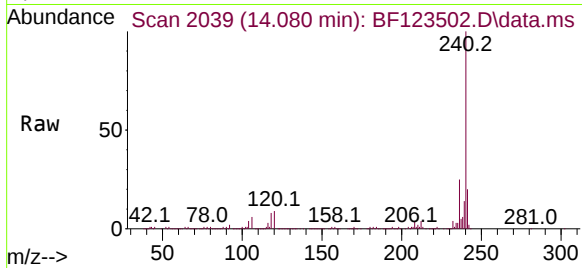




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.080 min Scan# 2039  
Delta R.T. -0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

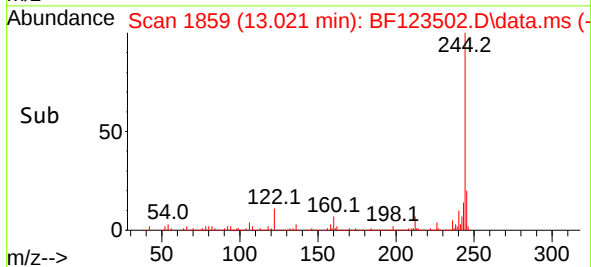
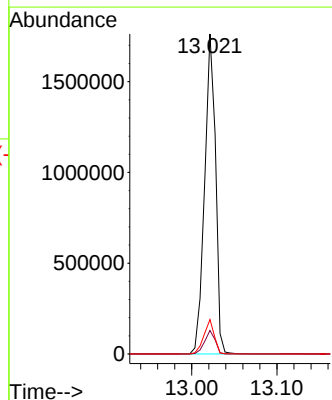
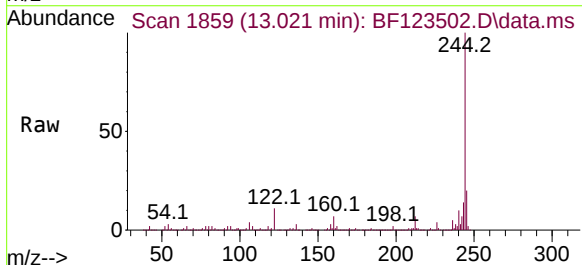
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-236

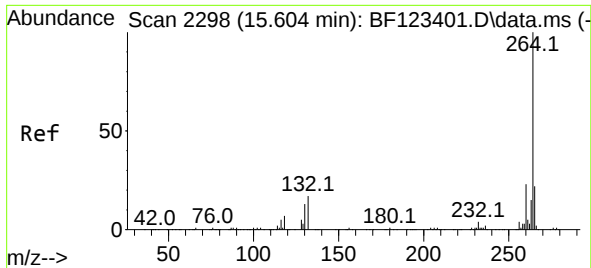
Tgt Ion:240 Resp: 549701  
Ion Ratio Lower Upper  
240 100  
120 8.8 8.6 12.8  
236 25.5 20.3 30.5



#79  
Terphenyl-d14  
Concen: 48.34 ng  
RT: 13.021 min Scan# 1859  
Delta R.T. -0.006 min  
Lab File: BF123502.D  
Acq: 29 Mar 2021 18:43

Tgt Ion:244 Resp: 1567950  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.7 8.5  
122 10.8 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.574 min Scan# 2293  
 Delta R.T. -0.006 min  
 Lab File: BF123502.D  
 Acq: 29 Mar 2021 18:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-236

|             |                |
|-------------|----------------|
| Tgt Ion:264 | Resp: 529821   |
| Ion Ratio   | Lower Upper    |
| 264         | 100            |
| 260         | 22.0 18.6 28.0 |
| 265         | 21.8 17.0 25.6 |

