

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102020\  
 Data File : BF122031.D  
 Acq On : 20 Oct 2020 16:04  
 Operator : JU/CG  
 Sample : L4435-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 5412

Quant Time: Oct 20 16:32:27 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 15 12:55:05 2020  
 Response via : Initial Calibration

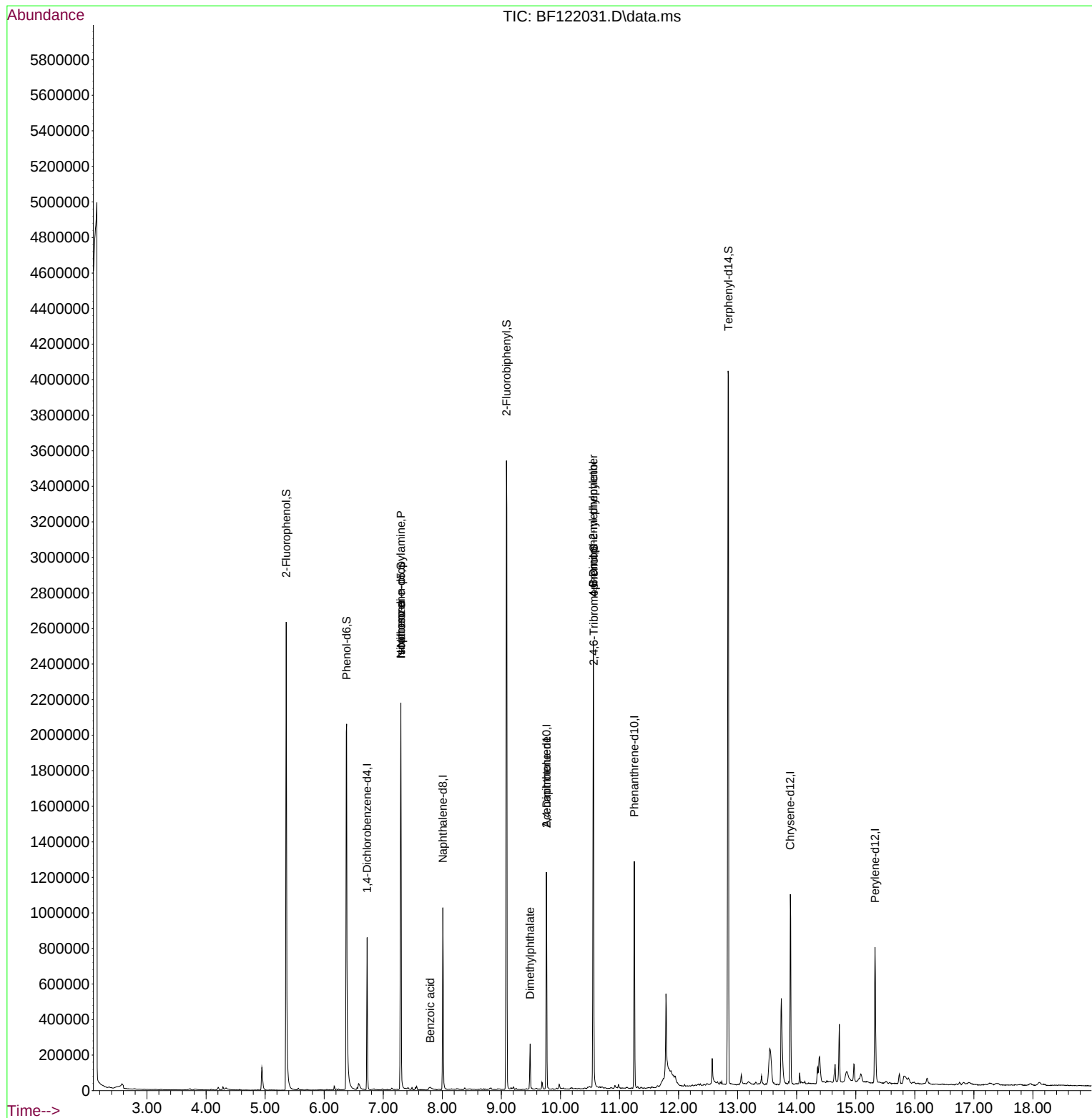
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 109976   | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.010  | 136  | 440908   | 20.00     | ng    | -0.02    |
| 39) Acenaphthene-d10          | 9.763  | 164  | 230836   | 20.00     | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.251 | 188  | 448882   | 20.00     | ng    | -0.01    |
| 76) Chrysene-d12              | 13.892 | 240  | 369239   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12              | 15.327 | 264  | 306395   | 20.00     | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.357  | 112  | 758724   | 101.82    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.381  | 99   | 856809   | 89.32     | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 736879   | 85.71     | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.563 | 330  | 365892   | 128.14    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 1264597  | 80.61     | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.845 | 244  | 1516870  | 78.29     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.381  | 77   | 1270     | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 99347    | 18.19     | ng    | # 79     |
| 25) Isophorone                | 7.298  | 82   | 736875   | 45.33     | ng    | # 67     |
| 32) Benzoic acid              | 7.798  | 122  | 5638     | 8.83      | ng    | 88       |
| 50) Dimethylphthalate         | 9.486  | 163  | 95870    | 5.68      | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 9.763  | 165  | 30276    | 6.64      | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.557 | 198  | 698      | 4.64      | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.557 | 248  | 21026    | 4.05      | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

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

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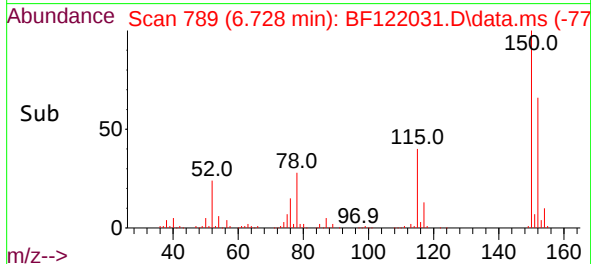
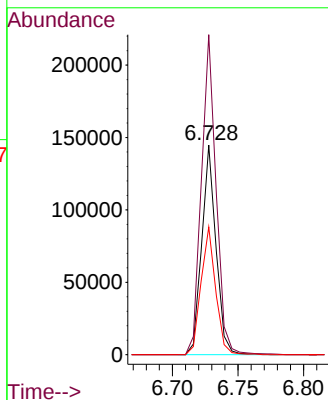
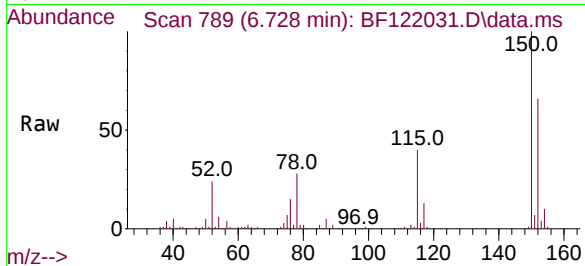




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.728 min Scan# 789  
Delta R.T. -0.017 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

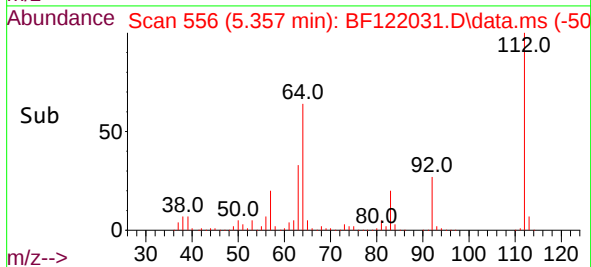
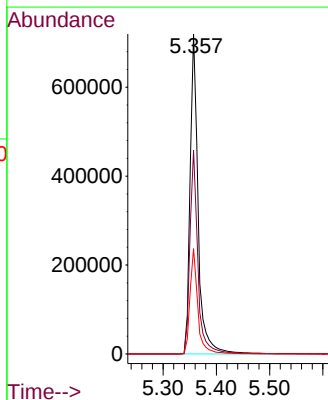
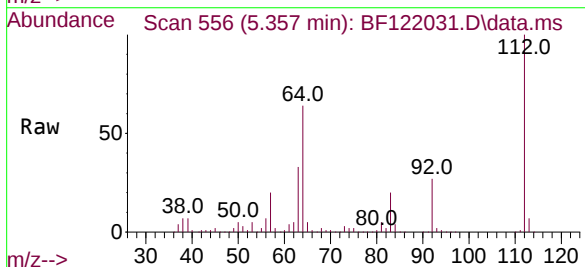
Instrument :  
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ClientSampleId :  
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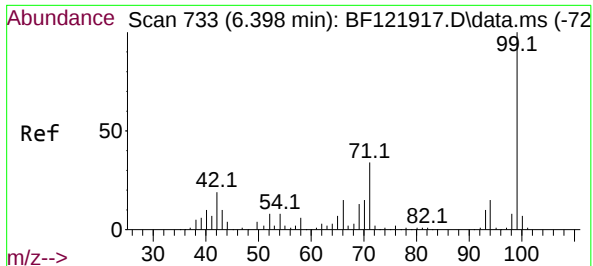
Tgt Ion:152 Resp: 109976  
Ion Ratio Lower Upper  
152 100  
150 152.7 125.3 187.9  
115 60.9 51.9 77.9



#5  
2-Fluorophenol  
Concen: 101.82 ng  
RT: 5.357 min Scan# 556  
Delta R.T. -0.006 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Tgt Ion:112 Resp: 758724  
Ion Ratio Lower Upper  
112 100  
64 63.6 50.4 75.6  
63 32.9 25.8 38.6

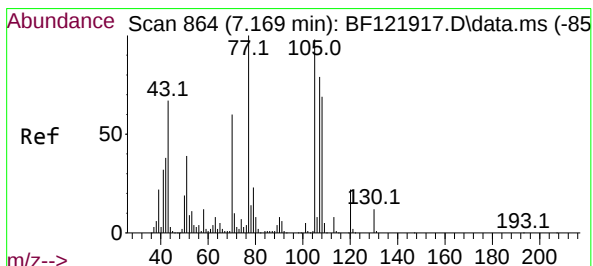
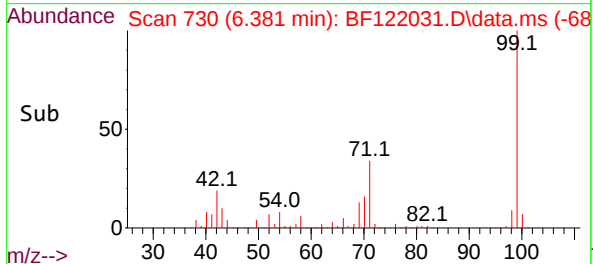
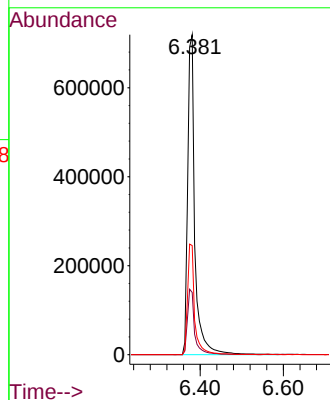
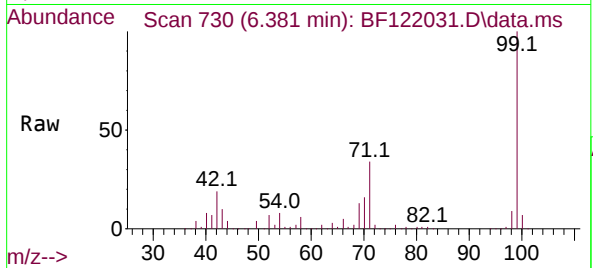




#7  
Phenol-d6  
Concen: 89.32 ng  
RT: 6.381 min Scan# 730  
Delta R.T. -0.012 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

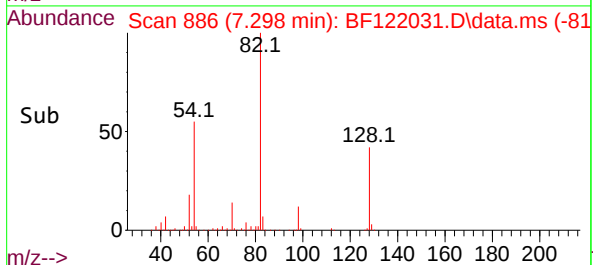
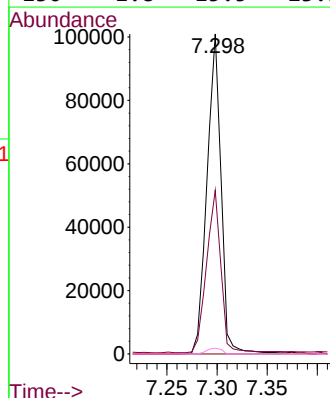
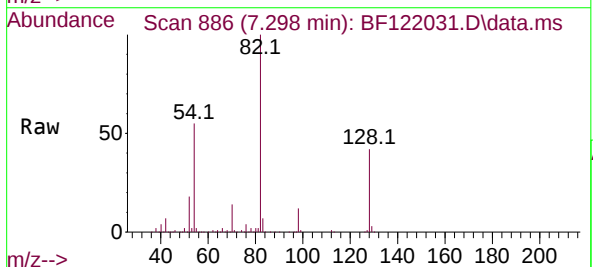
Instrument :  
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ClientSampleId :  
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Tgt Ion: 99 Resp: 856809  
Ion Ratio Lower Upper  
99 100  
42 19.5 15.9 23.9  
71 34.1 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.19 ng  
RT: 7.298 min Scan# 886  
Delta R.T. 0.135 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

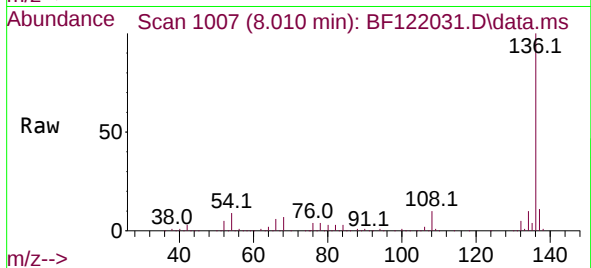
Tgt Ion: 70 Resp: 99347  
Ion Ratio Lower Upper  
70 100  
42 51.1 50.2 75.4  
101 0.0 7.5 11.3#  
130 1.8 15.5 23.3#



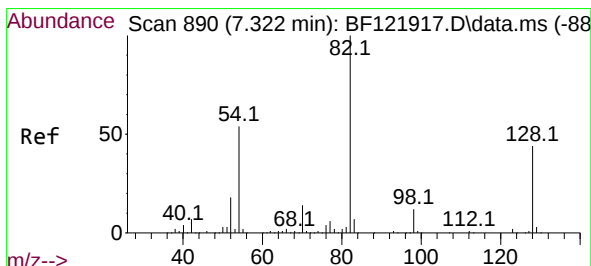
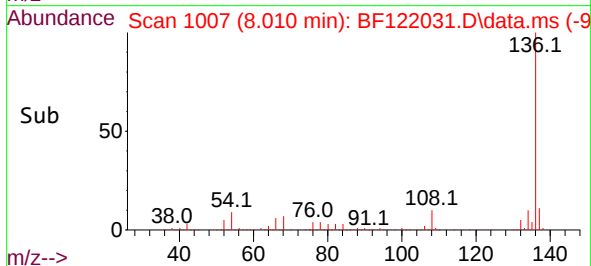
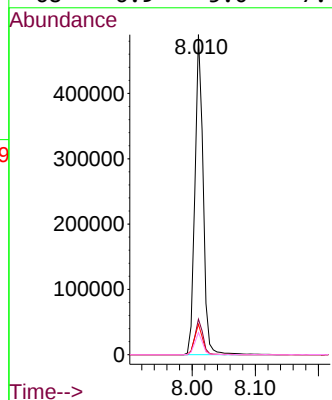


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. -0.018 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Instrument :  
BNA\_F  
ClientSampleId :  
5412

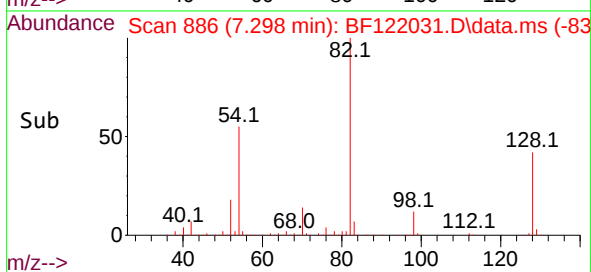
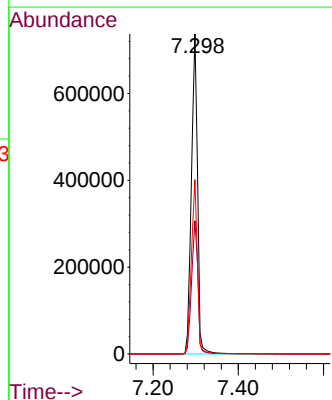
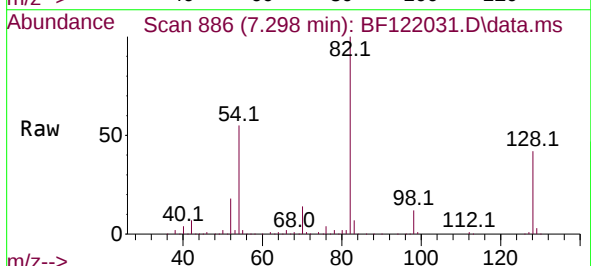


Tgt Ion:136 Resp: 440908  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 9.5 7.1 10.7  
68 6.9 5.0 7.4



#23  
Nitrobenzene-d5  
Concen: 85.71 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.018 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Tgt Ion: 82 Resp: 736879  
Ion Ratio Lower Upper  
82 100  
128 41.7 35.0 52.4  
54 54.5 43.9 65.9

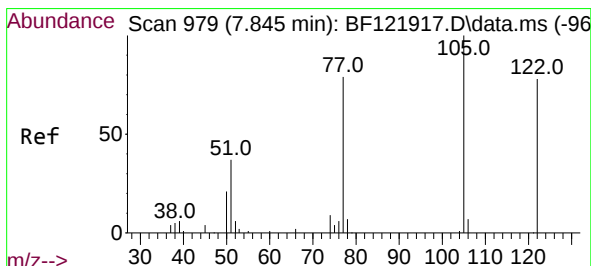
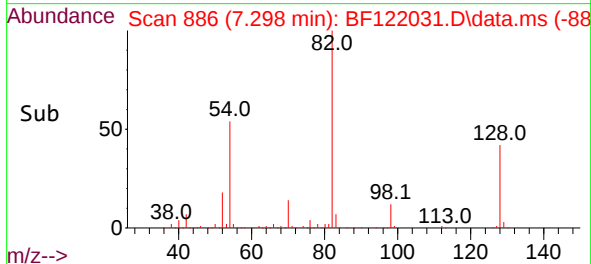
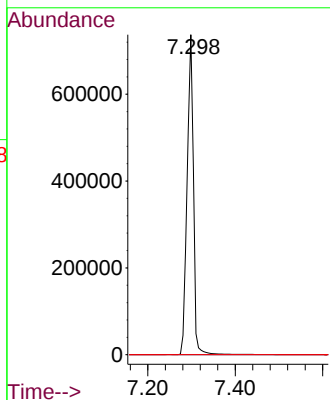
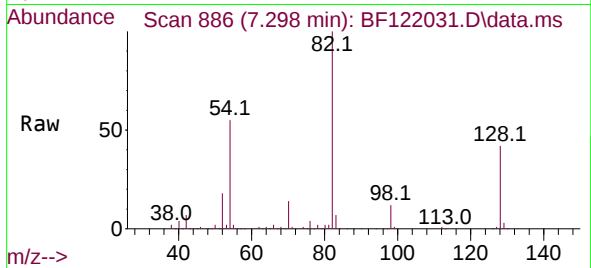




#25  
Isophorone  
Concen: 45.33 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.276 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

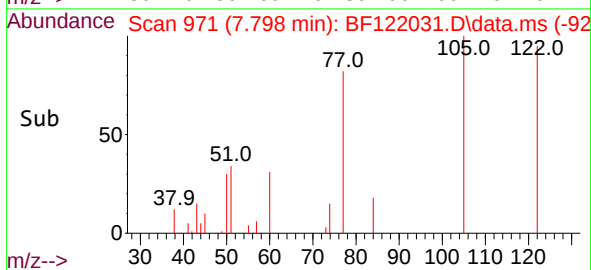
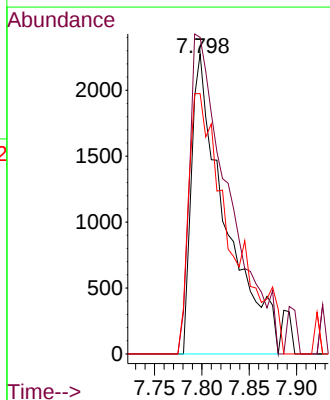
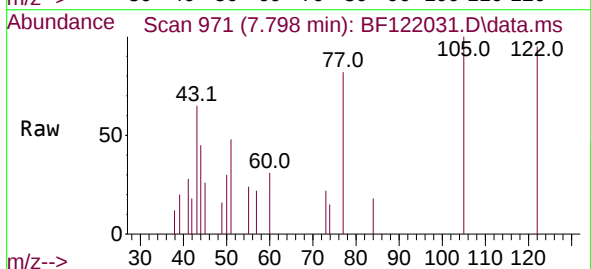
Instrument :  
BNA\_F  
ClientSampleId :  
5412

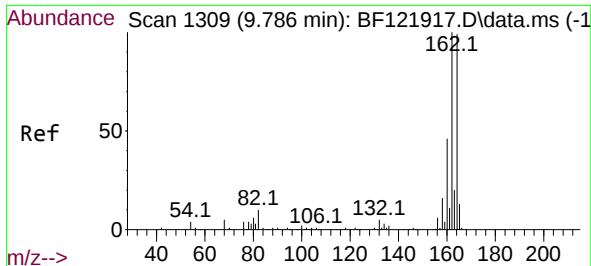
Tgt Ion: 82 Resp: 736875  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.4 20.0#



#32  
Benzoic acid  
Concen: 8.83 ng  
RT: 7.798 min Scan# 971  
Delta R.T. -0.041 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Tgt Ion: 122 Resp: 5638  
Ion Ratio Lower Upper  
122 100  
105 105.5 103.3 143.3  
77 86.7 73.9 113.9

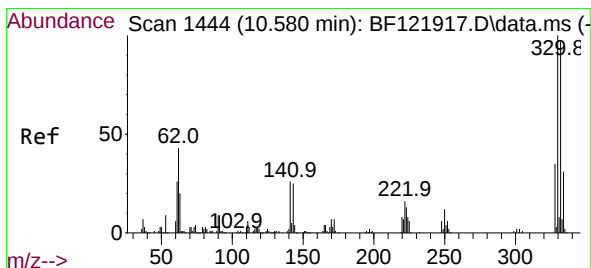
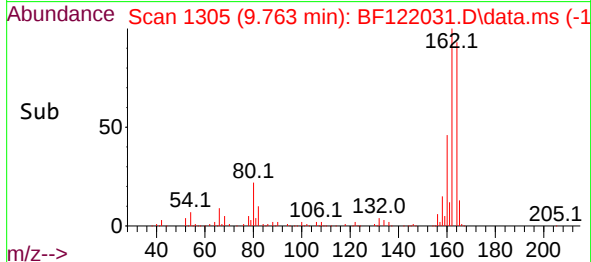
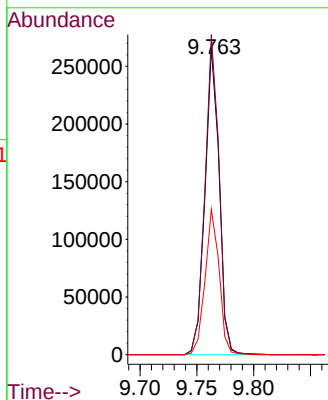
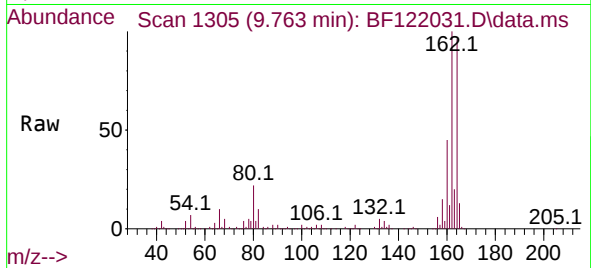




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.763 min Scan# 1305  
Delta R.T. -0.018 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

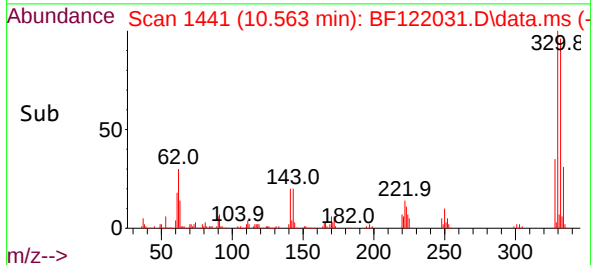
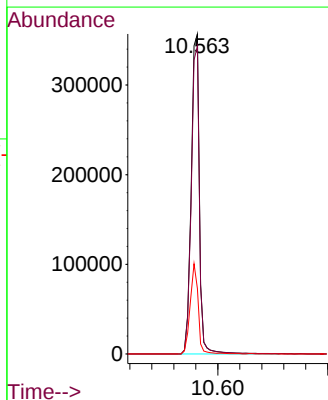
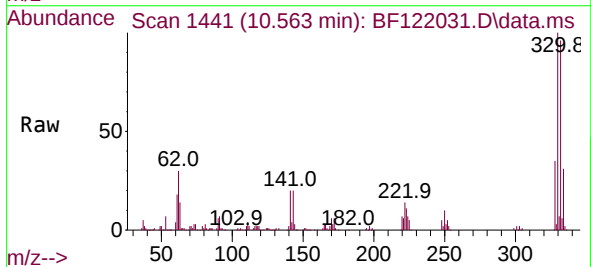
Instrument :  
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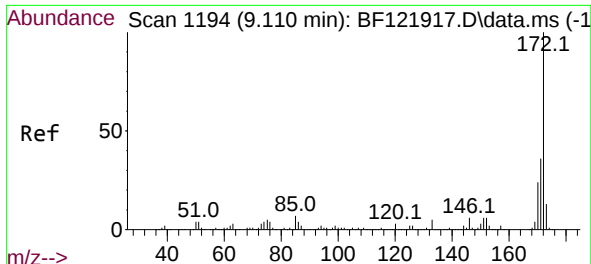
Tgt Ion:164 Resp: 230836  
Ion Ratio Lower Upper  
164 100  
162 104.4 83.2 124.8  
160 47.4 37.5 56.3



#42  
2,4,6-Tribromophenol  
Concen: 128.14 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. -0.012 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Tgt Ion:330 Resp: 365892  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.3 115.9  
141 27.8 22.3 33.5

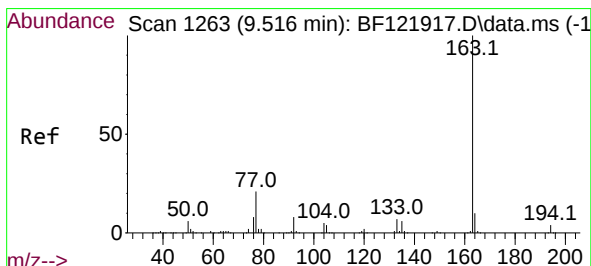
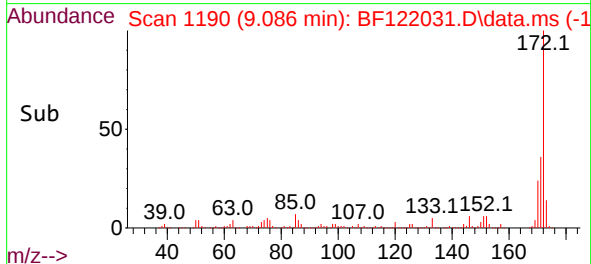
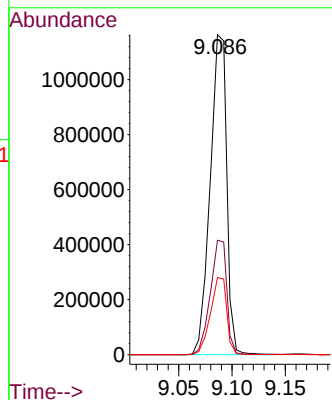
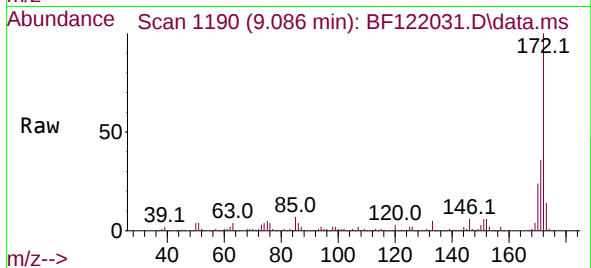




#45  
2-Fluorobiphenyl  
Concen: 80.61 ng  
RT: 9.086 min Scan# 1190  
Delta R.T. -0.018 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

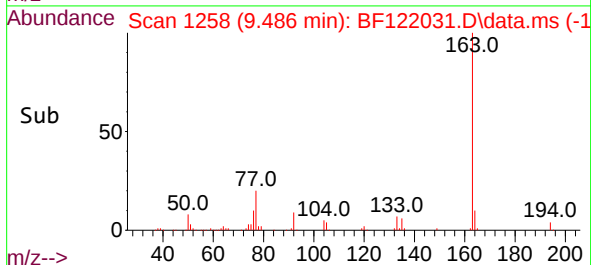
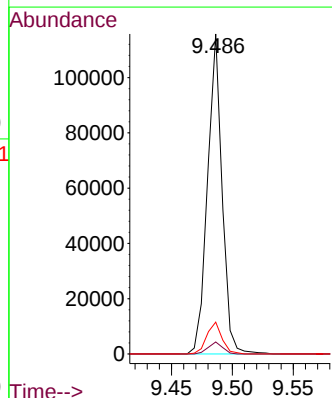
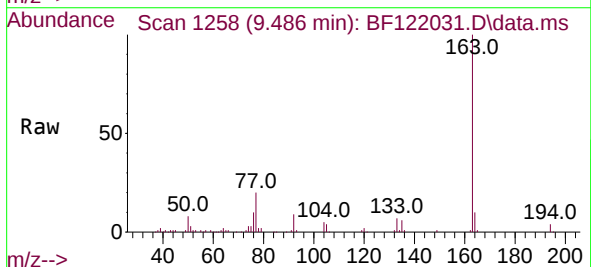
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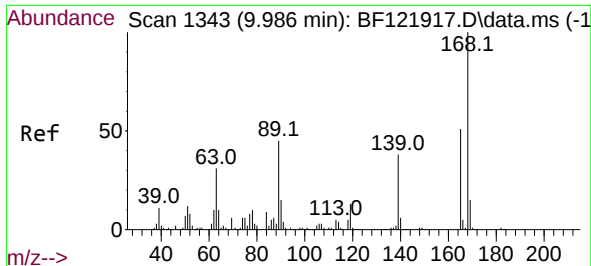
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Ion Ratio Lower Upper  
172 100  
171 35.8 29.1 43.7  
170 24.1 19.8 29.6



#50  
Dimethylphthalate  
Concen: 5.68 ng  
RT: 9.486 min Scan# 1258  
Delta R.T. -0.018 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Tgt Ion:163 Resp: 95870  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.3 4.9  
164 10.0 8.2 12.4

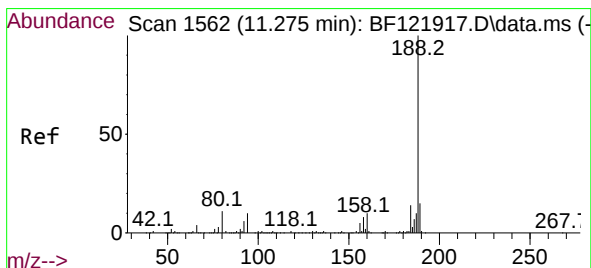
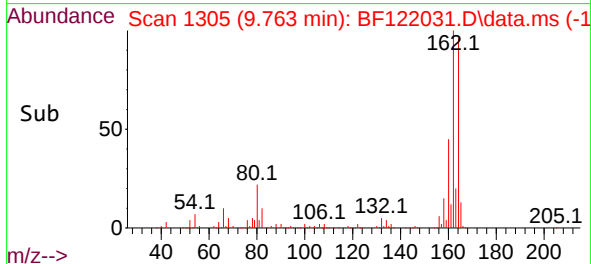
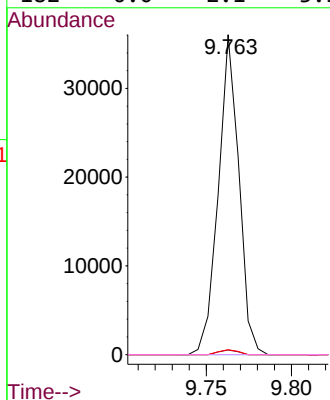
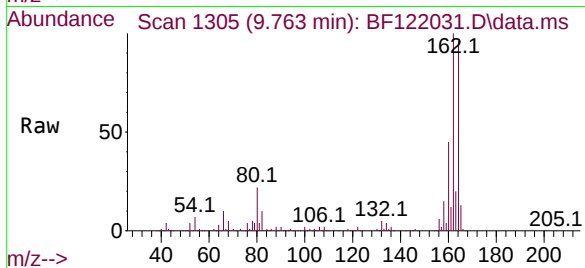




#57  
2,4-Dinitrotoluene  
Concen: 6.64 ng  
RT: 9.763 min Scan# 1305  
Delta R.T. -0.223 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

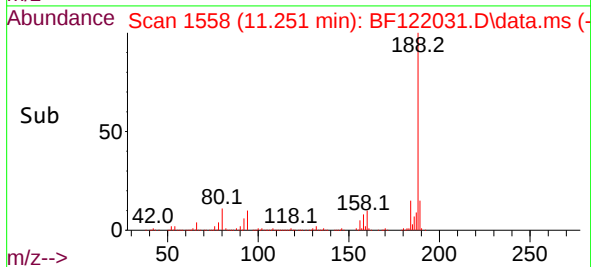
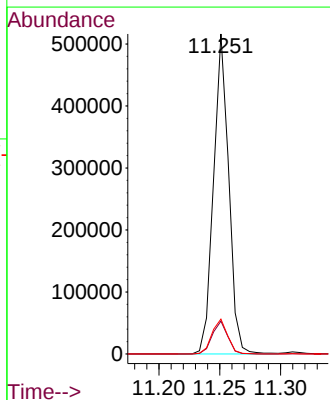
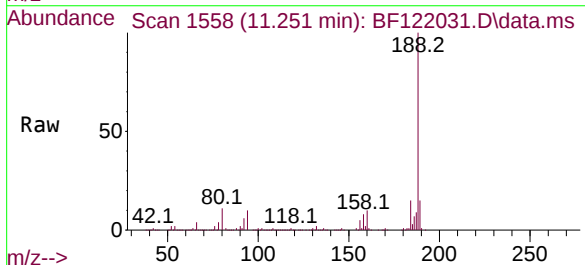
Instrument :  
BNA\_F  
ClientSampleId :  
5412

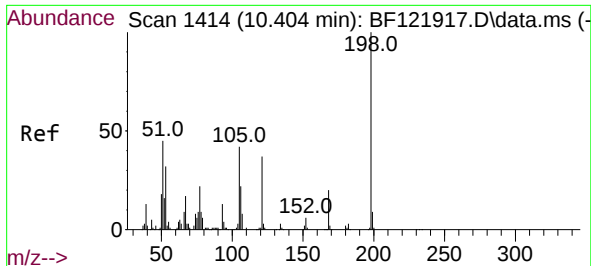
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 30276      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.4   | 41.3 61.9# |
| 89          | 1.6   | 61.8 92.8# |
| 182         | 0.0   | 2.1 3.1#   |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.251 min Scan# 1558  
Delta R.T. -0.012 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 448882   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 10.3  | 8.3 12.5 |
| 80          | 10.9  | 9.1 13.7 |

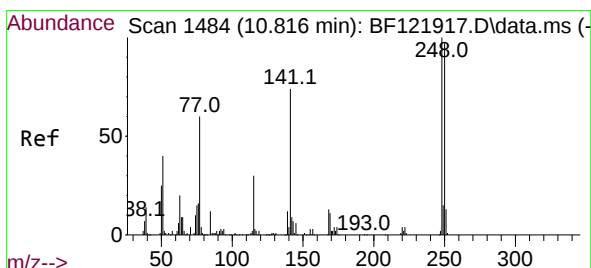
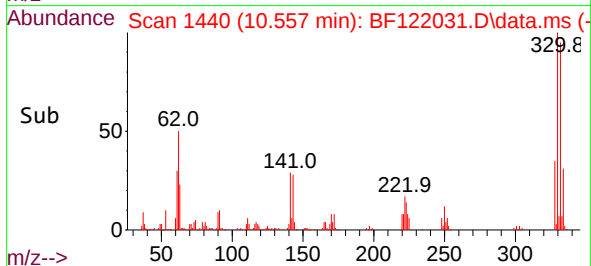
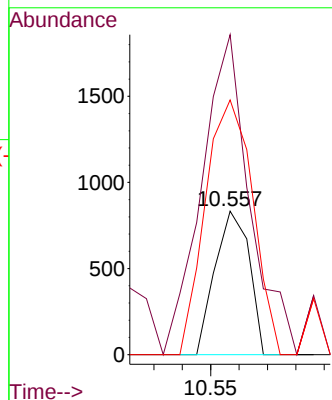
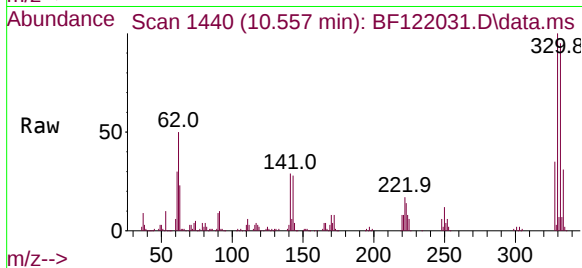




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.64 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. 0.159 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

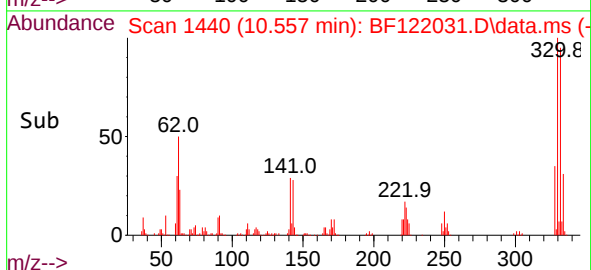
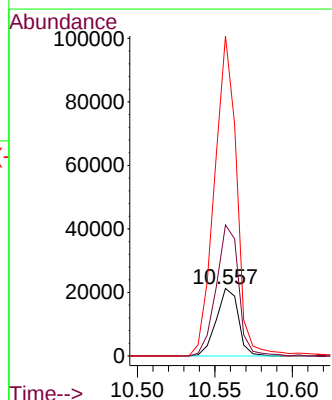
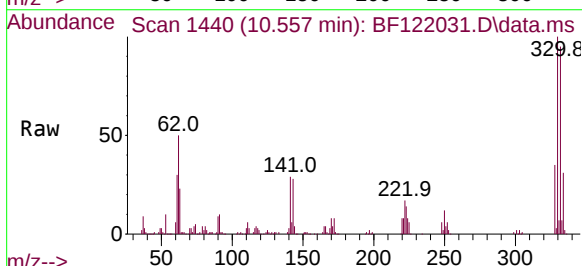
Instrument :  
BNA\_F  
ClientSampleId :  
5412

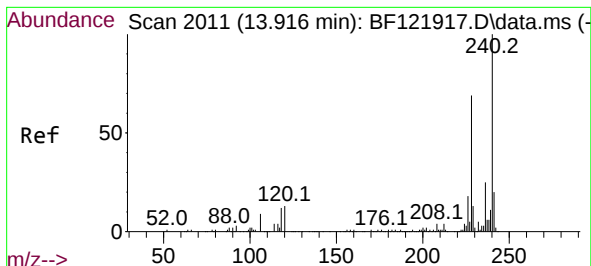
Tgt Ion:198 Resp: 698  
Ion Ratio Lower Upper  
198 100  
51 223.0 29.6 69.6#  
105 177.6 24.4 64.4#



#67  
4-Bromophenyl-phenylether  
Concen: 4.05 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.253 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Tgt Ion:248 Resp: 21026  
Ion Ratio Lower Upper  
248 100  
250 194.2 77.0 115.6#  
141 474.2 53.7 80.5#

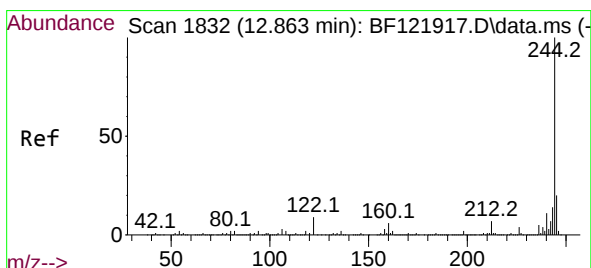
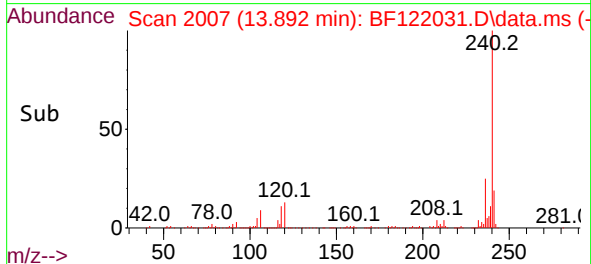
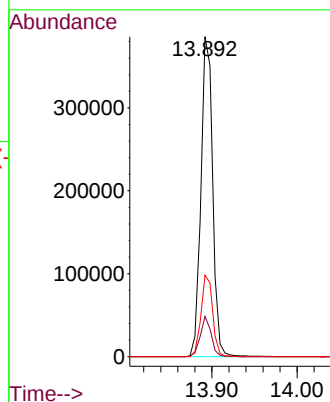
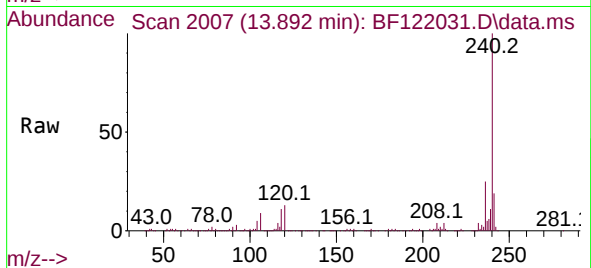




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.892 min Scan# 2007  
Delta R.T. -0.018 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

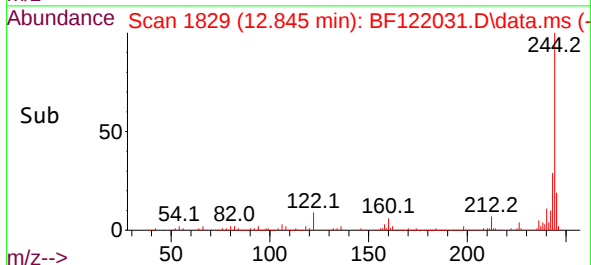
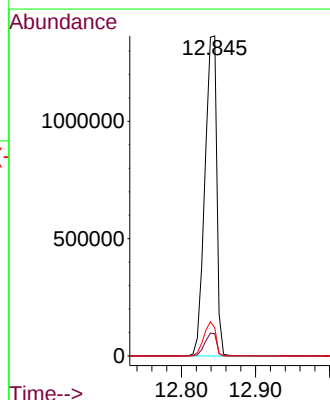
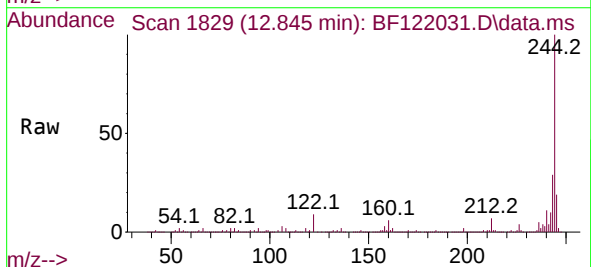
Instrument :  
BNA\_F  
ClientSampleId :  
5412

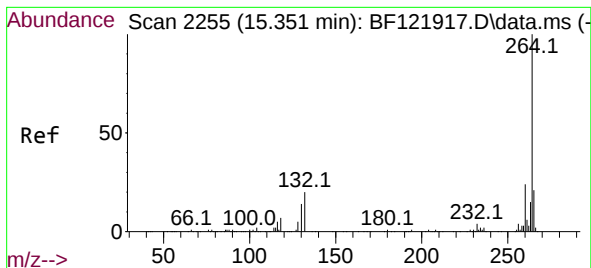
Tgt Ion:240 Resp: 369239  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.2 13.8  
236 25.4 20.9 31.3



#79  
Terphenyl-d14  
Concen: 78.29 ng  
RT: 12.845 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

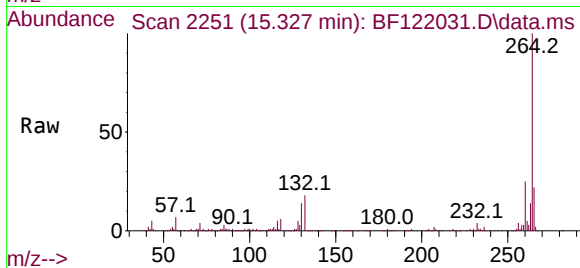
Tgt Ion:244 Resp: 1516870  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.2  
122 8.8 8.1 12.1





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.327 min Scan# 2251  
Delta R.T. -0.012 min  
Lab File: BF122031.D  
Acq: 20 Oct 2020 16:04

Instrument :  
BNA\_F  
ClientSampleId :  
5412



Tgt Ion:264 Resp: 306395  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.6  | 18.7  | 28.1  |
| 265 | 22.0  | 17.3  | 25.9  |

