

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111820\  
 Data File : BF122370.D  
 Acq On : 18 Nov 2020 16:29  
 Operator : JU/CG  
 Sample : L4737-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MS-MSD

Quant Time: Nov 18 17:08:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 10 12:25:42 2020  
 Response via : Initial Calibration

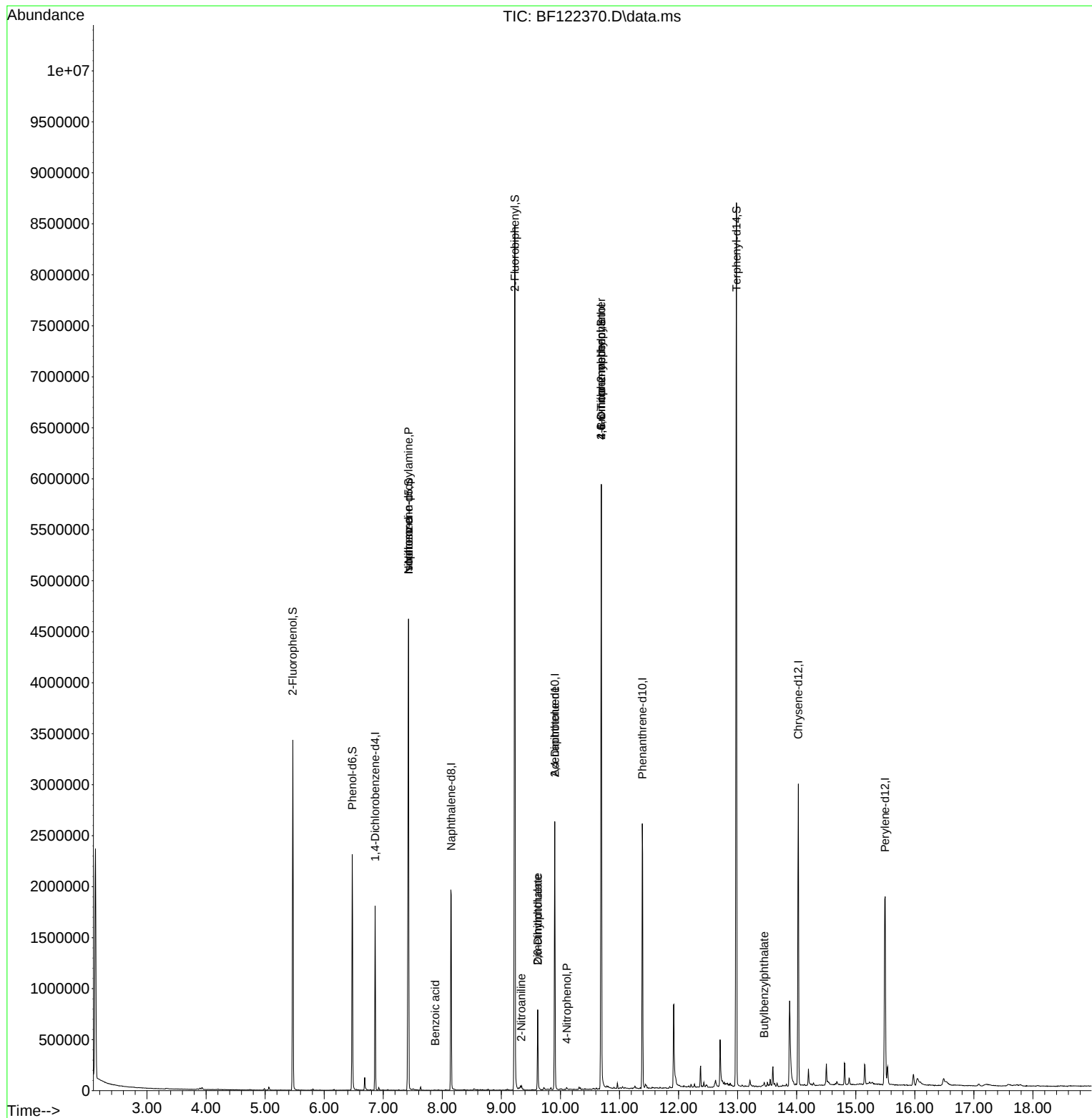
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 237151   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 925285   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 506995   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 968124   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 973581   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 939870   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 902041   | 58.41     | ng    | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 751433   | 37.19     | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 1543405  | 102.12    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 802602   | 147.50    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 2697329  | 83.13     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 2829863  | 61.58     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.410  | 77   | 268      | Below Cal |       | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 209150   | 17.32 ng  | #     | 75       |
| 25) Isophorone                | 7.428  | 82   | 1520508  | 45.13 ng  | #     | 67       |
| 32) Benzoic acid              | 7.881  | 122  | 133      | 7.97 ng   | #     | 1        |
| 48) 2-Nitroaniline            | 9.339  | 65   | 544      | 5.22 ng   | #     | 6        |
| 50) Dimethylphthalate         | 9.616  | 163  | 308737   | 8.57 ng   |       | 99       |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 3125     | 4.17 ng   | #     | 17       |
| 56) 4-Nitrophenol             | 10.110 | 139  | 298      | 5.44 ng   | #     | 40       |
| 57) 2,4-Dinitrotoluene        | 9.904  | 165  | 66108    | 10.62 ng  | #     | 20       |
| 65) 4,6-Dinitro-2-methylph... | 10.692 | 198  | 1741     | 6.67 ng   | #     | 1        |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 50398    | 4.43 ng   | #     | 1        |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 1126     | 3.33 ng   | #     | 82       |
| -----                         |        |      |          |           |       |          |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 10 12:25:42 2020  
Response via : Initial Calibration

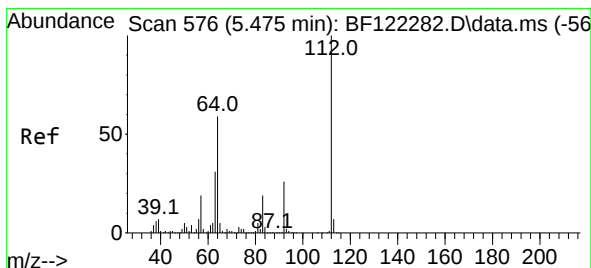
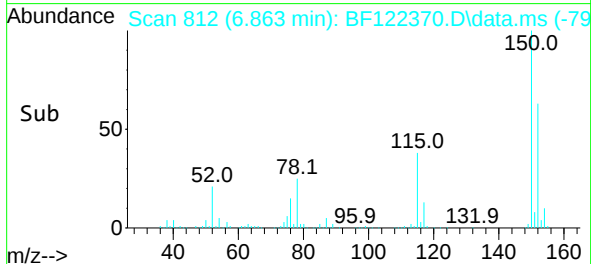
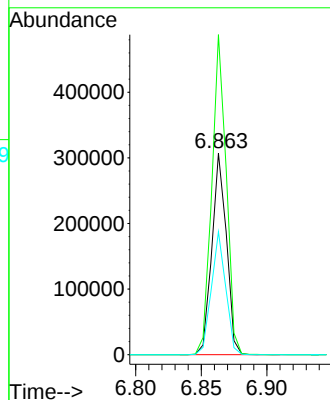
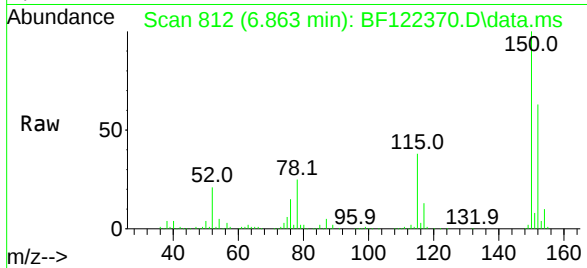




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.863 min Scan# 812  
 Delta R.T. -0.006 min  
 Lab File: BF122370.D  
 Acq: 18 Nov 2020 16:29

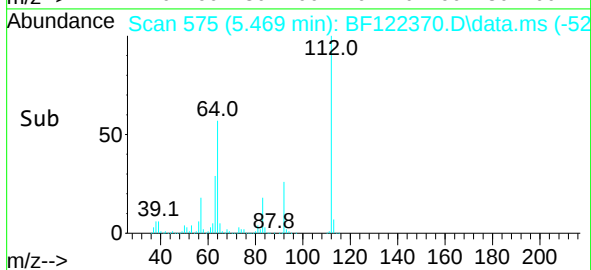
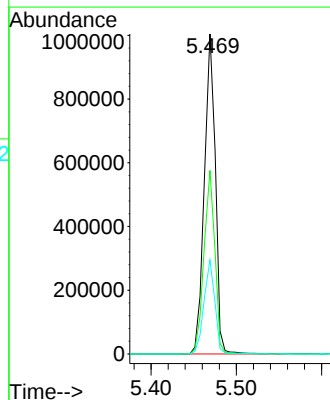
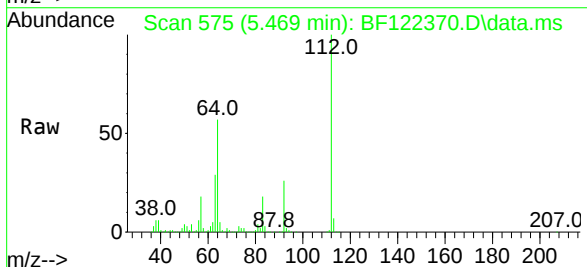
Instrument :  
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 ClientSampleId :  
 MS-MSD

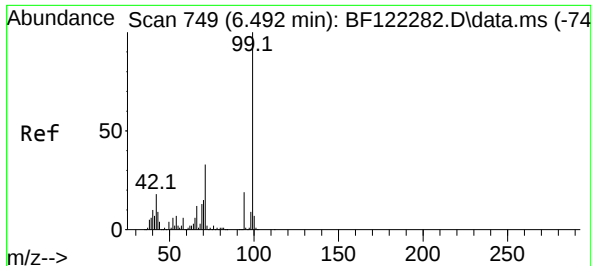
Tgt Ion:152 Resp: 237151  
 Ion Ratio Lower Upper  
 152 100  
 150 158.9 125.3 187.9  
 115 61.0 51.9 77.9



#5  
 2-Fluorophenol  
 Concen: 58.41 ng  
 RT: 5.469 min Scan# 575  
 Delta R.T. -0.006 min  
 Lab File: BF122370.D  
 Acq: 18 Nov 2020 16:29

Tgt Ion:112 Resp: 902041  
 Ion Ratio Lower Upper  
 112 100  
 64 57.4 50.4 75.6  
 63 29.4 25.8 38.6

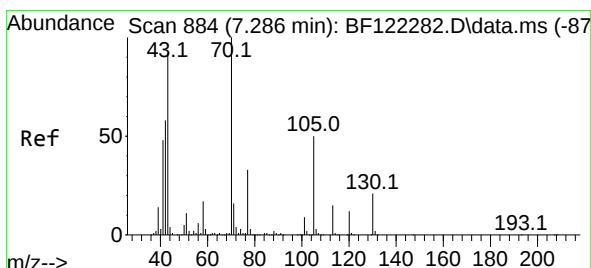
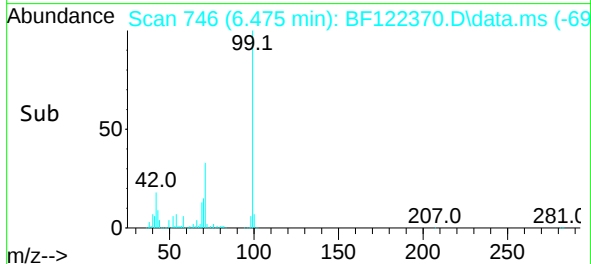
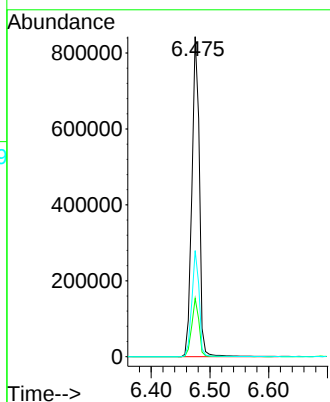
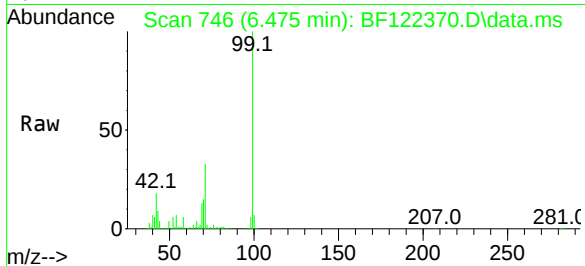




#7  
Phenol-d6  
Concen: 37.19 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.017 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

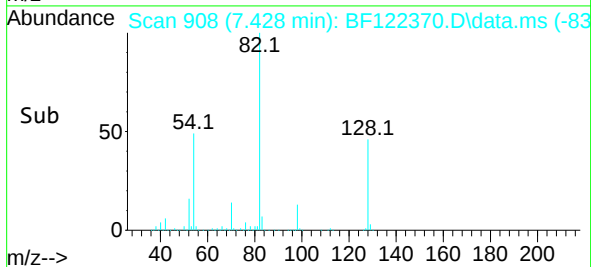
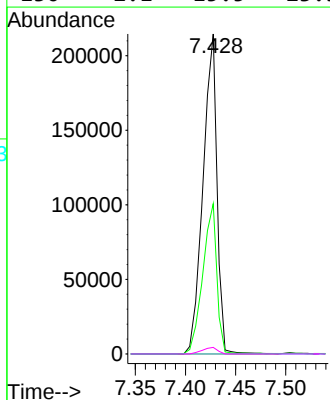
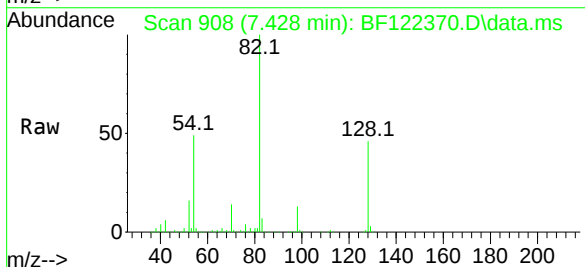
Instrument :  
BNA\_F  
ClientSampleId :  
MS-MSD

Tgt Ion: 99 Resp: 751433  
Ion Ratio Lower Upper  
99 100  
42 18.2 15.9 23.9  
71 33.2 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.32 ng  
RT: 7.428 min Scan# 908  
Delta R.T. 0.142 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion: 70 Resp: 209150  
Ion Ratio Lower Upper  
70 100  
42 46.9 50.2 75.4#  
101 0.0 7.5 11.3#  
130 2.1 15.5 23.3#



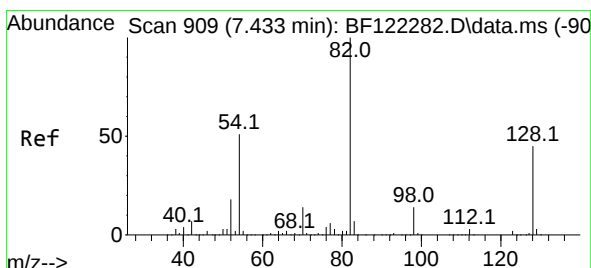
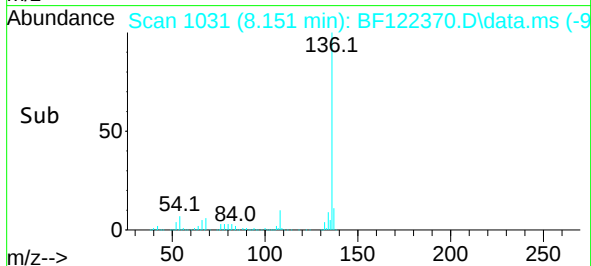
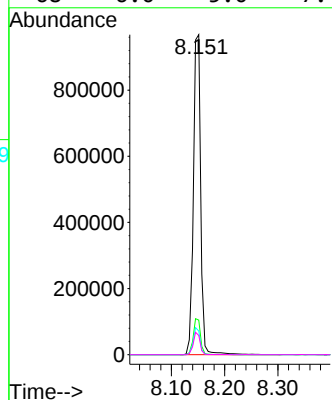
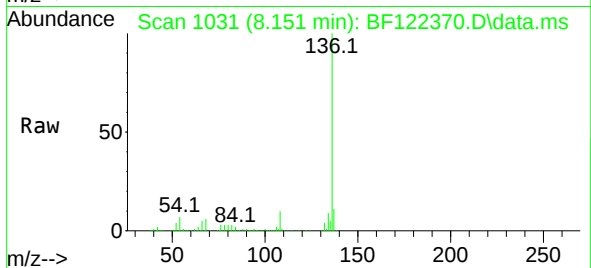


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Instrument :  
BNA\_F  
ClientSampleId :  
MS-MSD

Tgt Ion:136 Resp: 925285

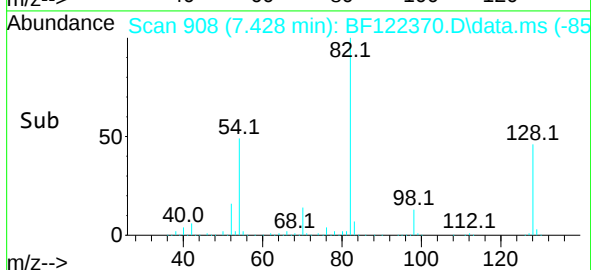
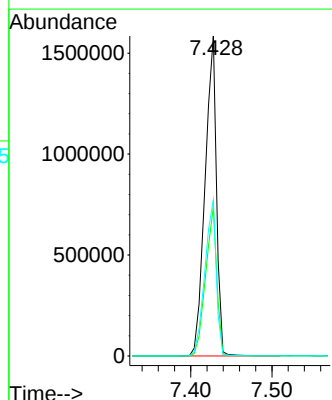
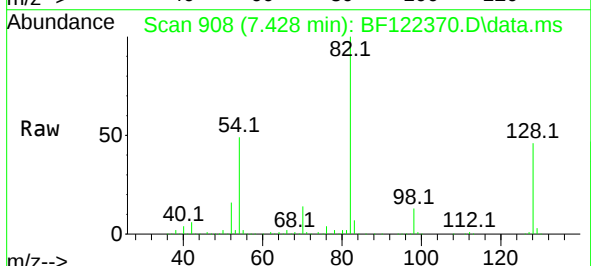
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 7.4   | 7.1   | 10.7  |
| 68  | 6.0   | 5.0   | 7.4   |

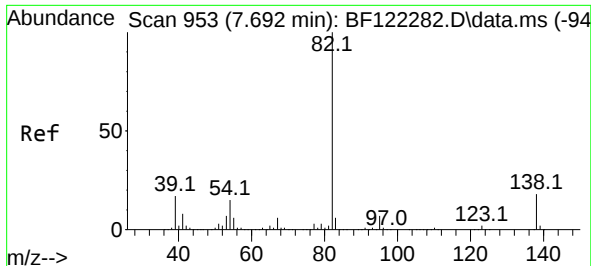


#23  
Nitrobenzene-d5  
Concen: 102.12 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion: 82 Resp: 1543405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.4  | 35.0  | 52.4  |
| 54  | 48.7  | 43.9  | 65.9  |

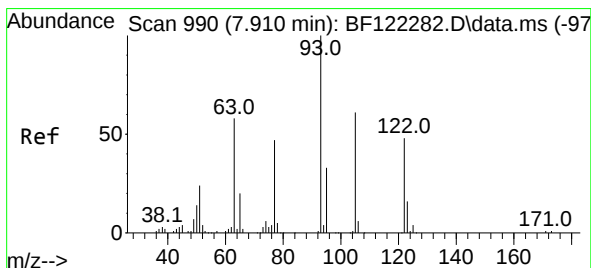
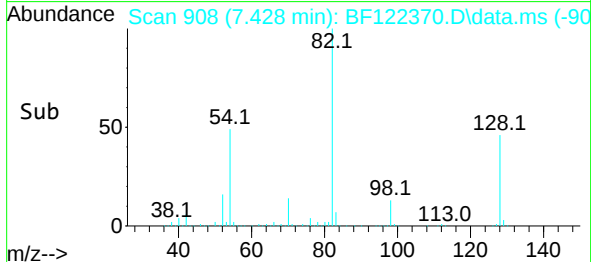
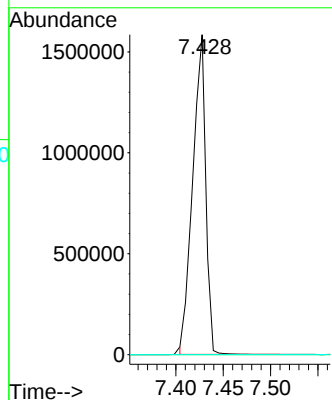
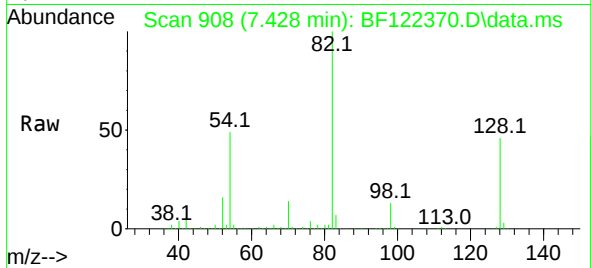




#25  
Isophorone  
Concen: 45.13 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.264 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

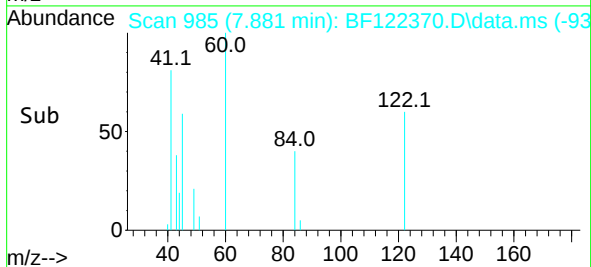
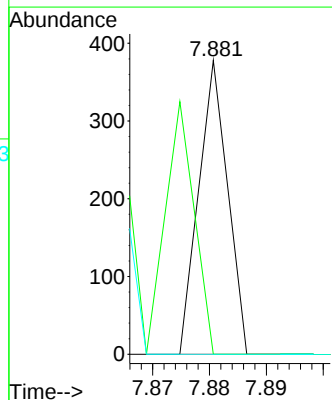
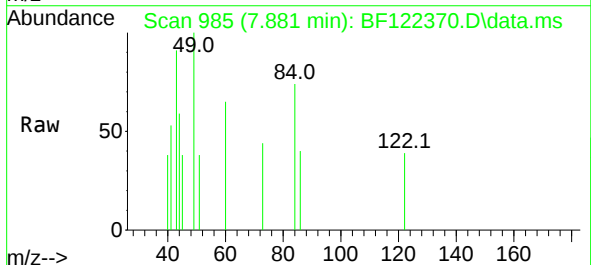
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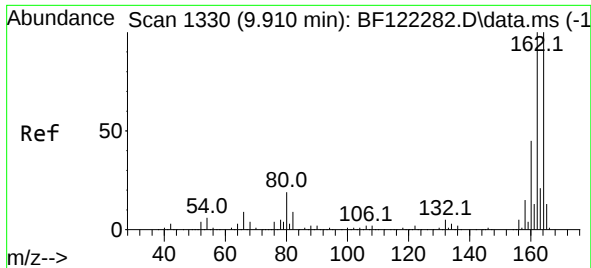
Tgt Ion: 82 Resp: 1520508  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.4 20.0#



#32  
Benzoic acid  
Concen: 7.97 ng  
RT: 7.881 min Scan# 985  
Delta R.T. -0.029 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion: 122 Resp: 133  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.3 143.3#  
77 0.0 73.9 113.9#

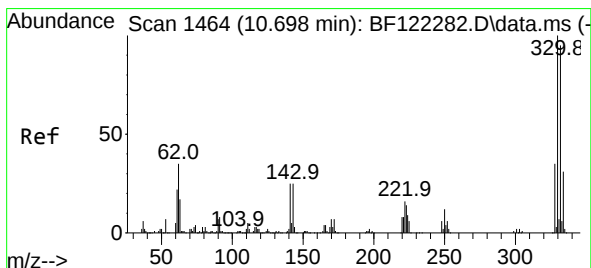
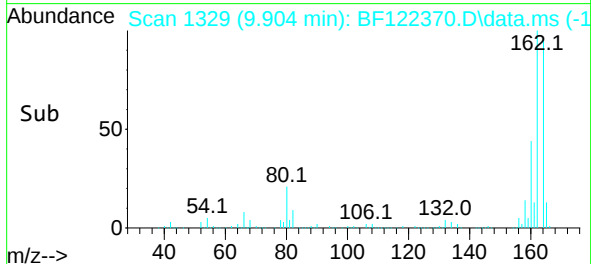
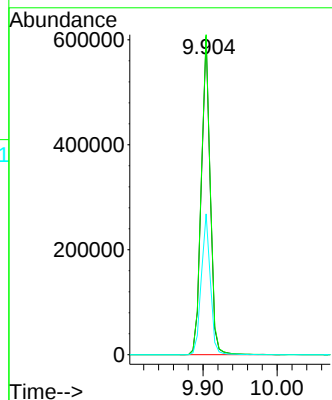
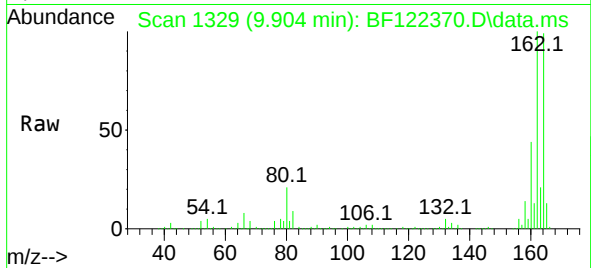




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

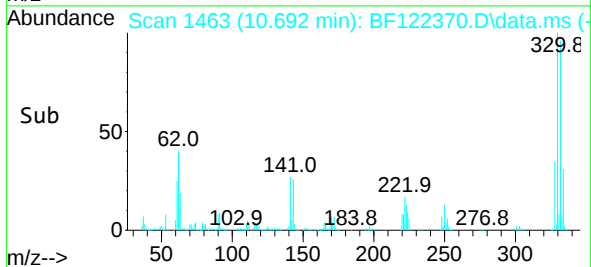
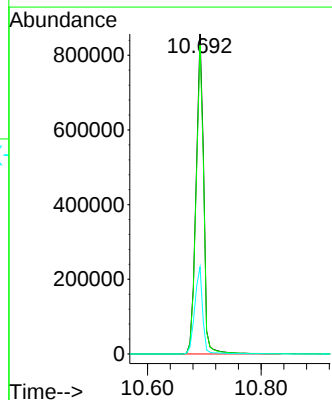
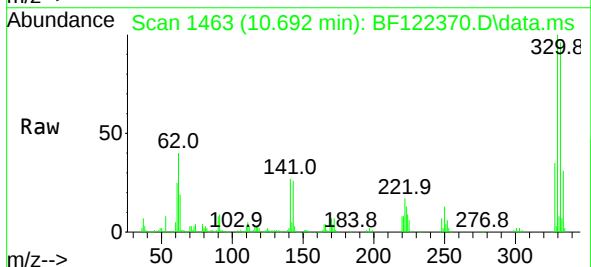
Instrument :  
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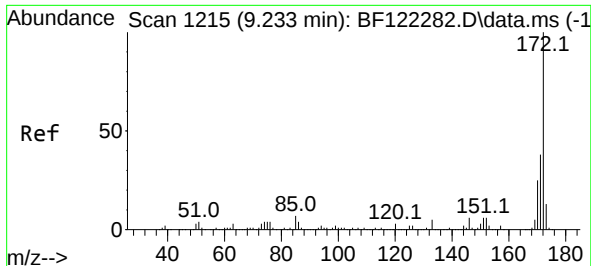
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Ion Ratio Lower Upper  
164 100  
162 100.6 83.2 124.8  
160 44.2 37.5 56.3



#42  
2,4,6-Tribromophenol  
Concen: 147.50 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.005 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion:330 Resp: 802602  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.3 115.9  
141 28.3 22.3 33.5

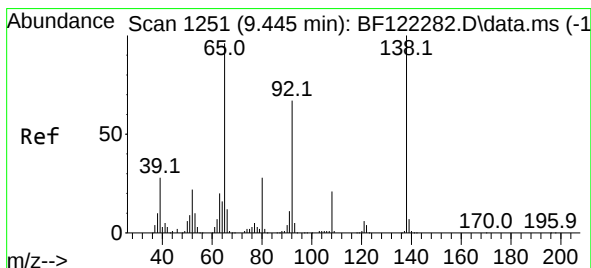
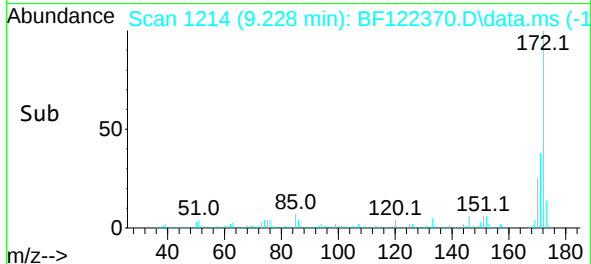
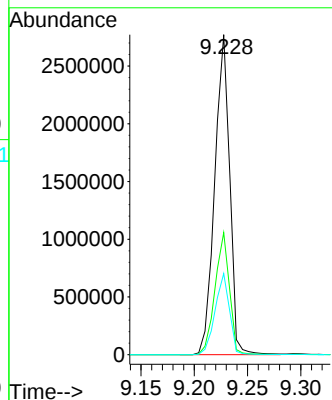
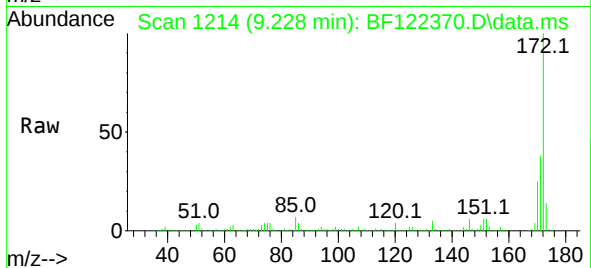




#45  
2-Fluorobiphenyl  
Concen: 83.13 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

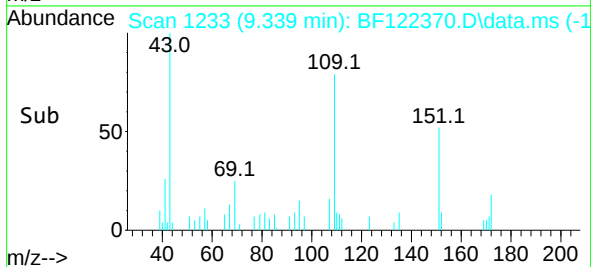
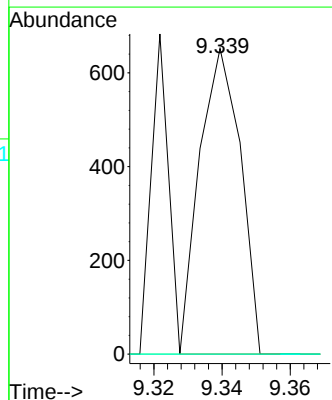
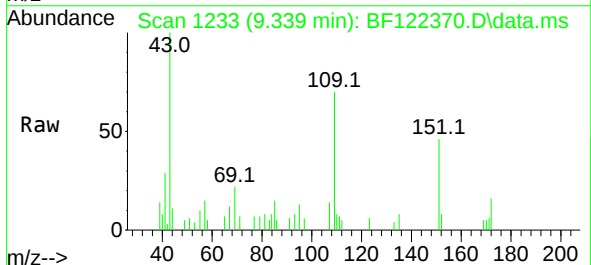
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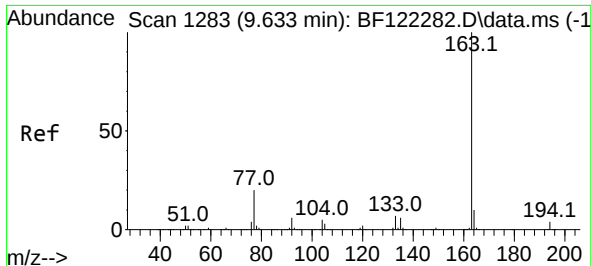
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Ion Ratio Lower Upper  
172 100  
171 38.1 29.1 43.7  
170 25.3 19.8 29.6



#48  
2-Nitroaniline  
Concen: 5.22 ng  
RT: 9.339 min Scan# 1233  
Delta R.T. -0.106 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion: 65 Resp: 544  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.1 82.7#  
138 0.0 80.5 120.7#

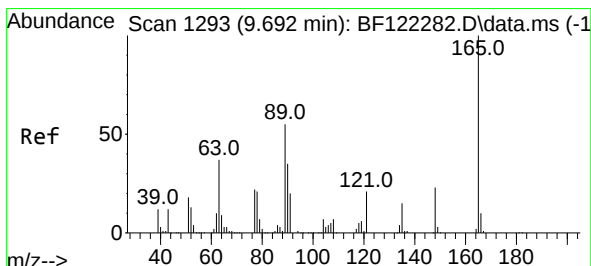
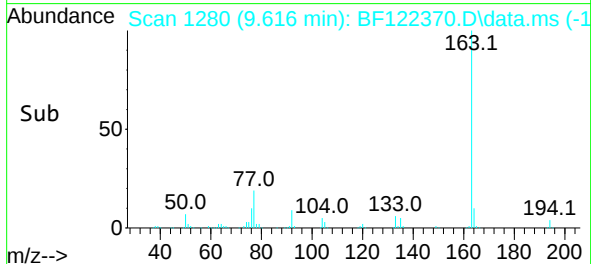
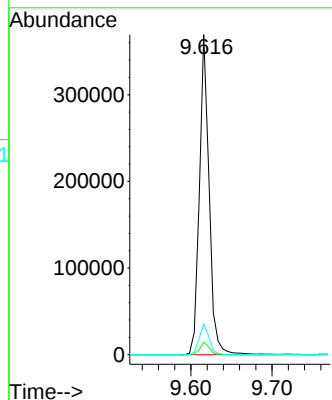
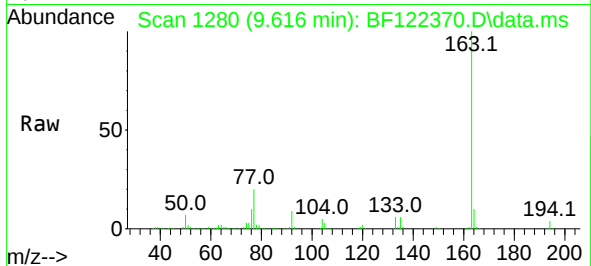




#50  
Dimethylphthalate  
Concen: 8.57 ng  
RT: 9.616 min Scan# 1280  
Delta R.T. -0.017 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

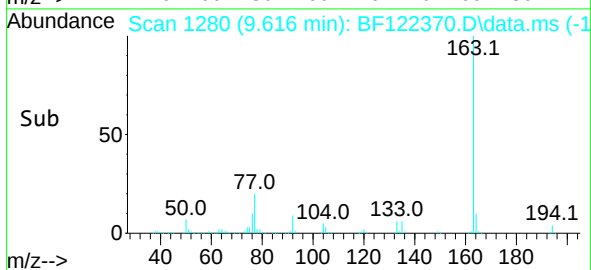
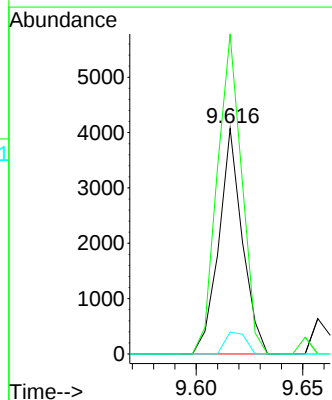
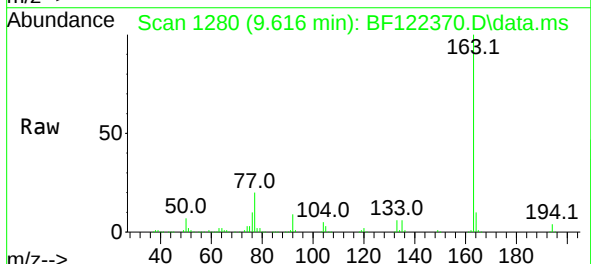
Instrument :  
BNA\_F  
ClientSampleId :  
MS-MSD

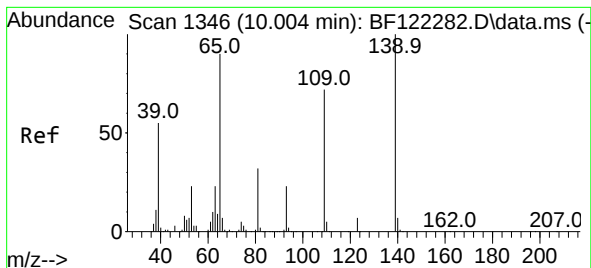
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Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.7 8.2 12.4



#51  
2,6-Dinitrotoluene  
Concen: 4.17 ng  
RT: 9.616 min Scan# 1280  
Delta R.T. -0.076 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion:165 Resp: 3125  
Ion Ratio Lower Upper  
165 100  
63 141.8 51.8 77.6#  
89 9.7 49.0 73.6#

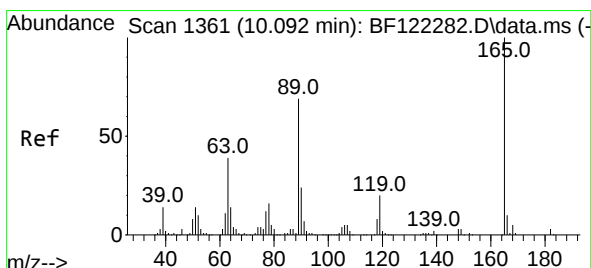
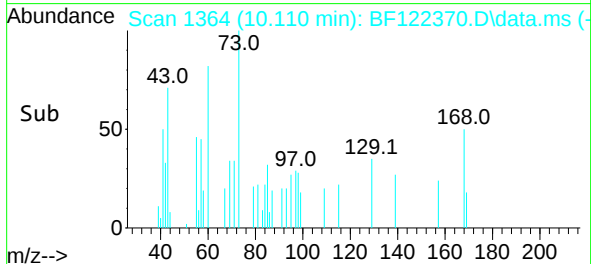
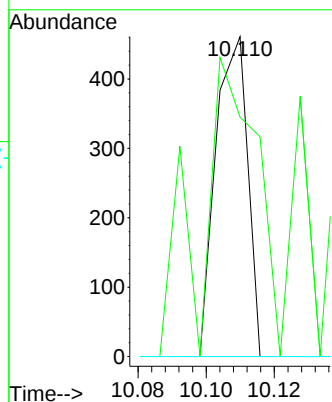
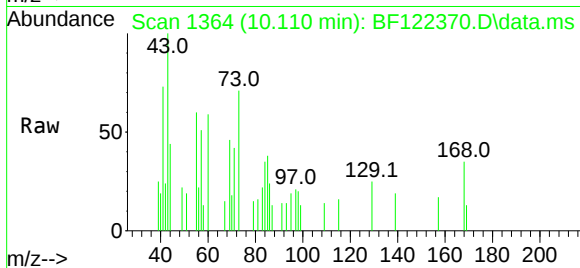




#56  
4-Nitrophenol  
Concen: 5.44 ng  
RT: 10.110 min Scan# 1364  
Delta R.T. 0.106 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

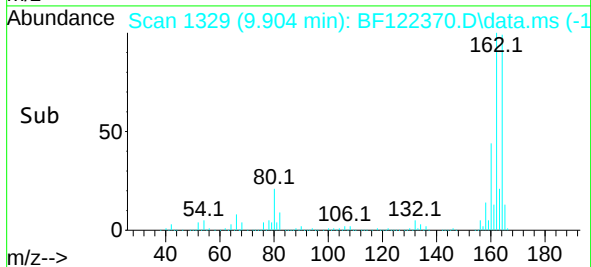
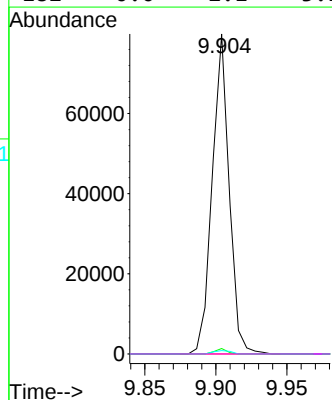
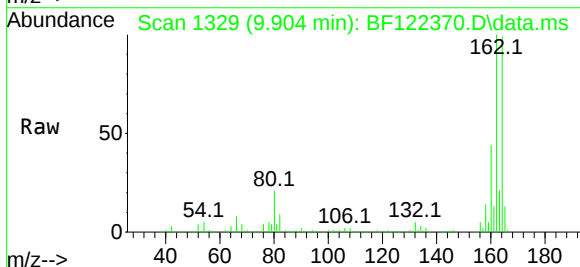
Instrument :  
BNA\_F  
ClientSampleId :  
MS-MSD

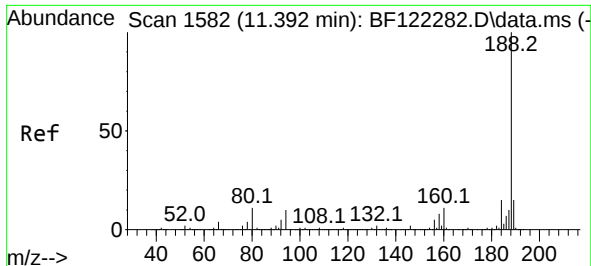
Tgt Ion:139 Resp: 298  
Ion Ratio Lower Upper  
139 100  
109 74.8 45.4 85.4  
65 0.0 68.4 108.4#



#57  
2,4-Dinitrotoluene  
Concen: 10.62 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.188 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion:165 Resp: 66108  
Ion Ratio Lower Upper  
165 100  
63 1.7 41.3 61.9#  
89 1.0 61.8 92.8#  
182 0.0 2.1 3.1#

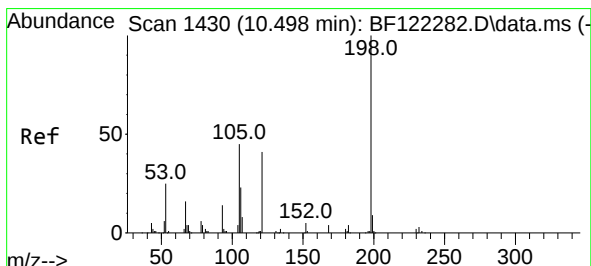
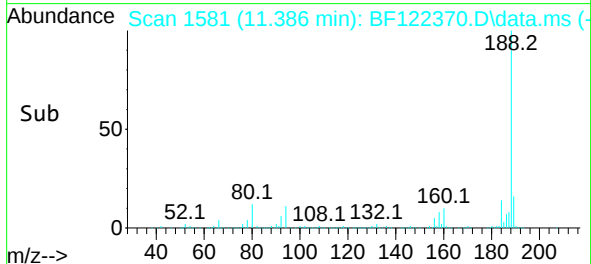
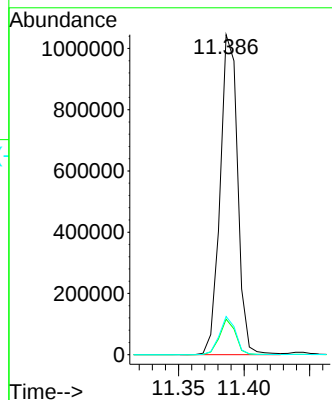
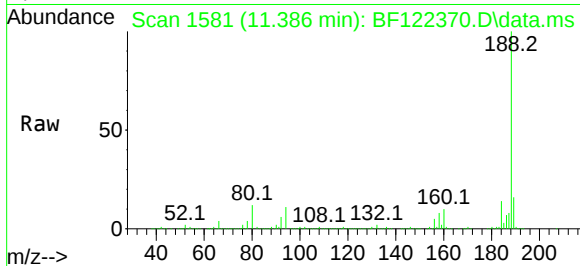




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

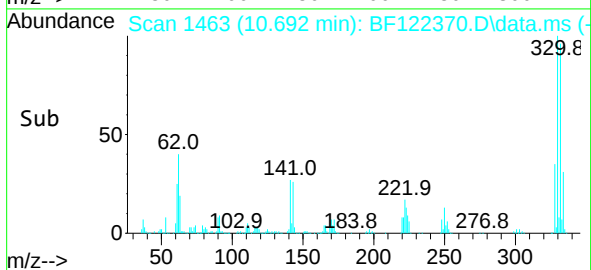
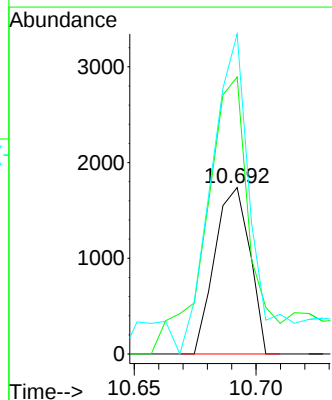
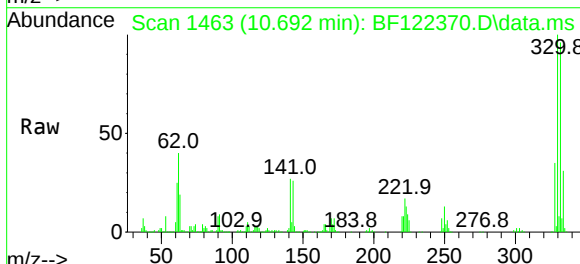
Instrument :  
BNA\_F  
ClientSampleId :  
MS-MSD

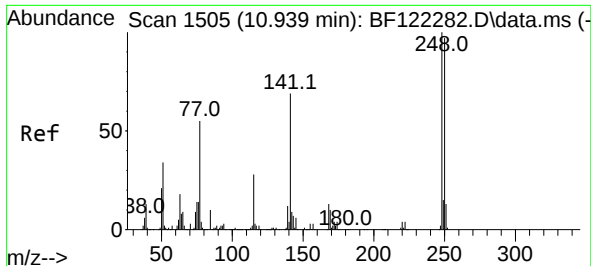
Tgt Ion:188 Resp: 968124  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.3 12.5  
80 12.0 9.1 13.7



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.67 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. 0.194 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion:198 Resp: 1741  
Ion Ratio Lower Upper  
198 100  
51 166.5 29.6 69.6#  
105 192.3 24.4 64.4#

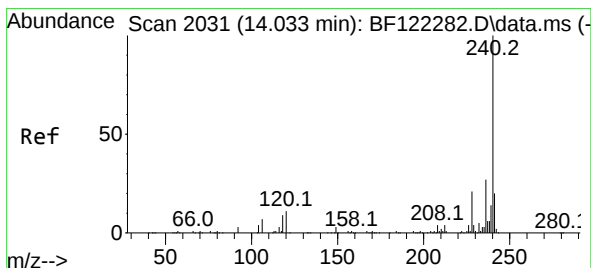
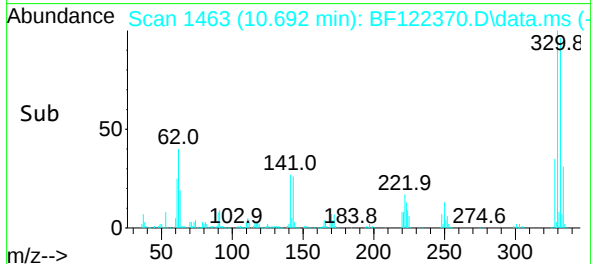
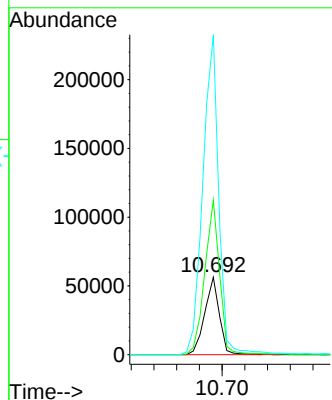
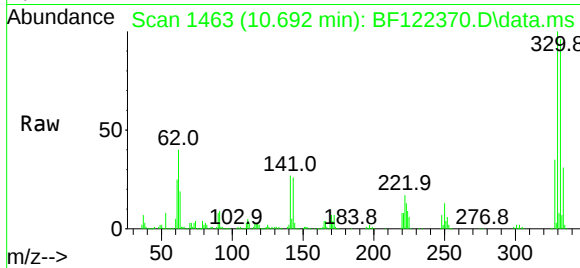




#67  
4-Bromophenyl-phenylether  
Concen: 4.43 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.247 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

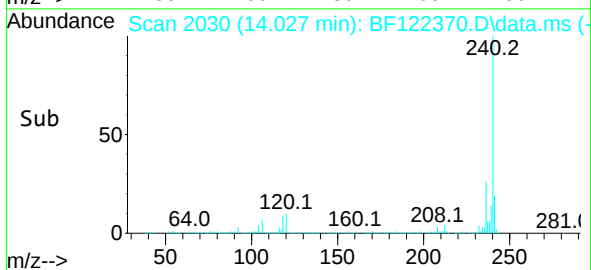
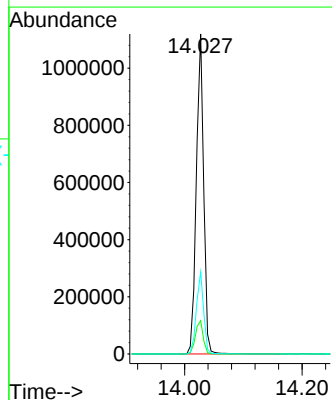
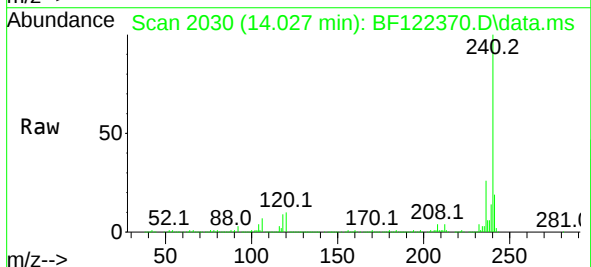
Instrument :  
BNA\_F  
ClientSampleId :  
MS-MSD

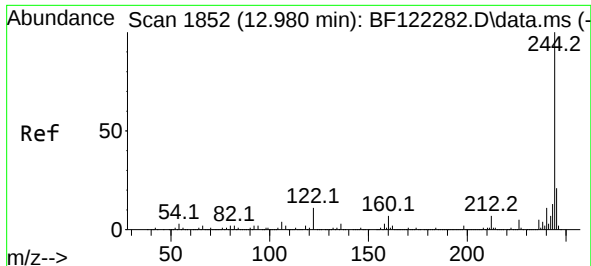
Tgt Ion:248 Resp: 50398  
Ion Ratio Lower Upper  
248 100  
250 199.6 77.0 115.6#  
141 413.4 53.7 80.5#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.006 min  
Lab File: BF122370.D  
Acq: 18 Nov 2020 16:29

Tgt Ion:240 Resp: 973581  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.2 13.8  
236 25.6 20.9 31.3

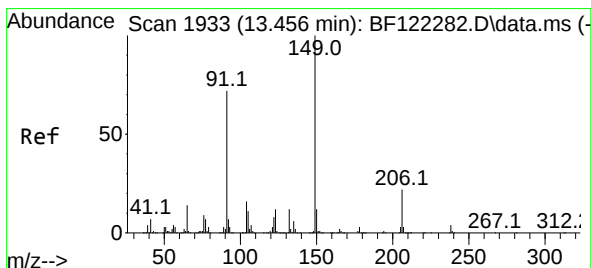
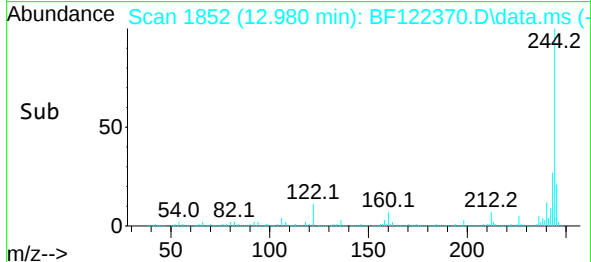
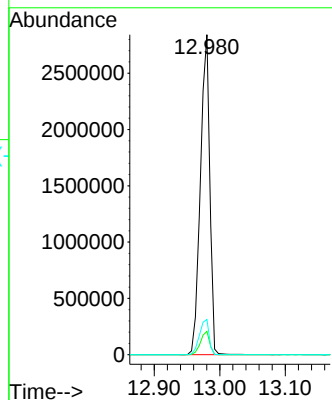
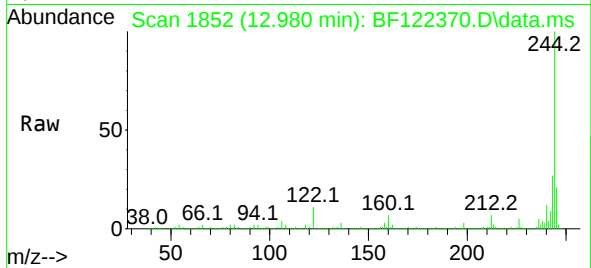




#79  
 Terphenyl-d14  
 Concen: 61.58 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. 0.000 min  
 Lab File: BF122370.D  
 Acq: 18 Nov 2020 16:29

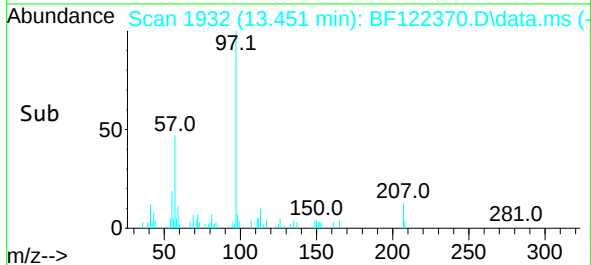
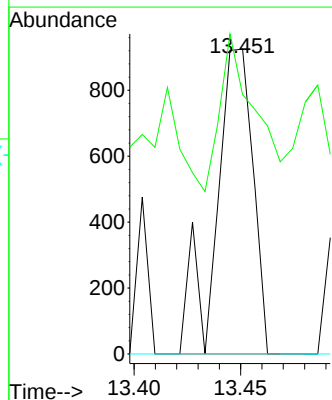
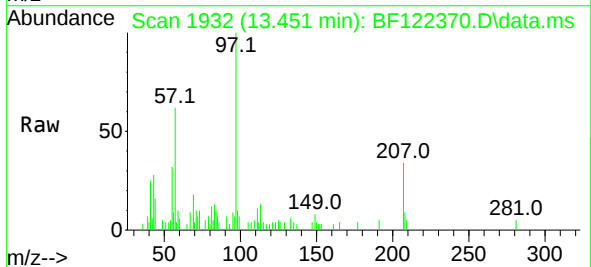
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MS-MSD

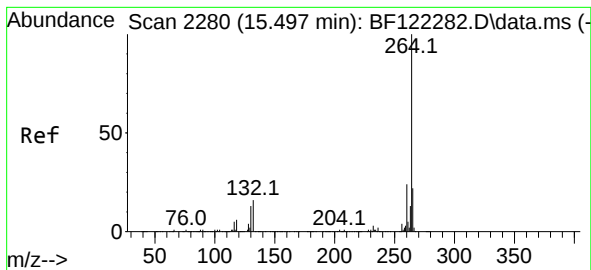
Tgt Ion:244 Resp: 2829863  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.4 8.2  
 122 11.0 8.1 12.1



#80  
 Butylbenzylphthalate  
 Concen: 3.33 ng  
 RT: 13.451 min Scan# 1932  
 Delta R.T. -0.005 min  
 Lab File: BF122370.D  
 Acq: 18 Nov 2020 16:29

Tgt Ion:149 Resp: 1126  
 Ion Ratio Lower Upper  
 149 100  
 91 85.1 61.0 91.4  
 206 0.0 16.7 25.1#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.498 min Scan# 2280  
 Delta R.T. 0.000 min  
 Lab File: BF122370.D  
 Acq: 18 Nov 2020 16:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MS-MSD

Tgt Ion:264 Resp: 939870  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.7 28.1  
 265 21.4 17.3 25.9

