

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102820\  
 Data File : BF122148.D  
 Acq On : 28 Oct 2020 15:23  
 Operator : JU/CG  
 Sample : L4530-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-54

Quant Time: Oct 28 16:00:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 26 17:27:32 2020  
 Response via : Initial Calibration

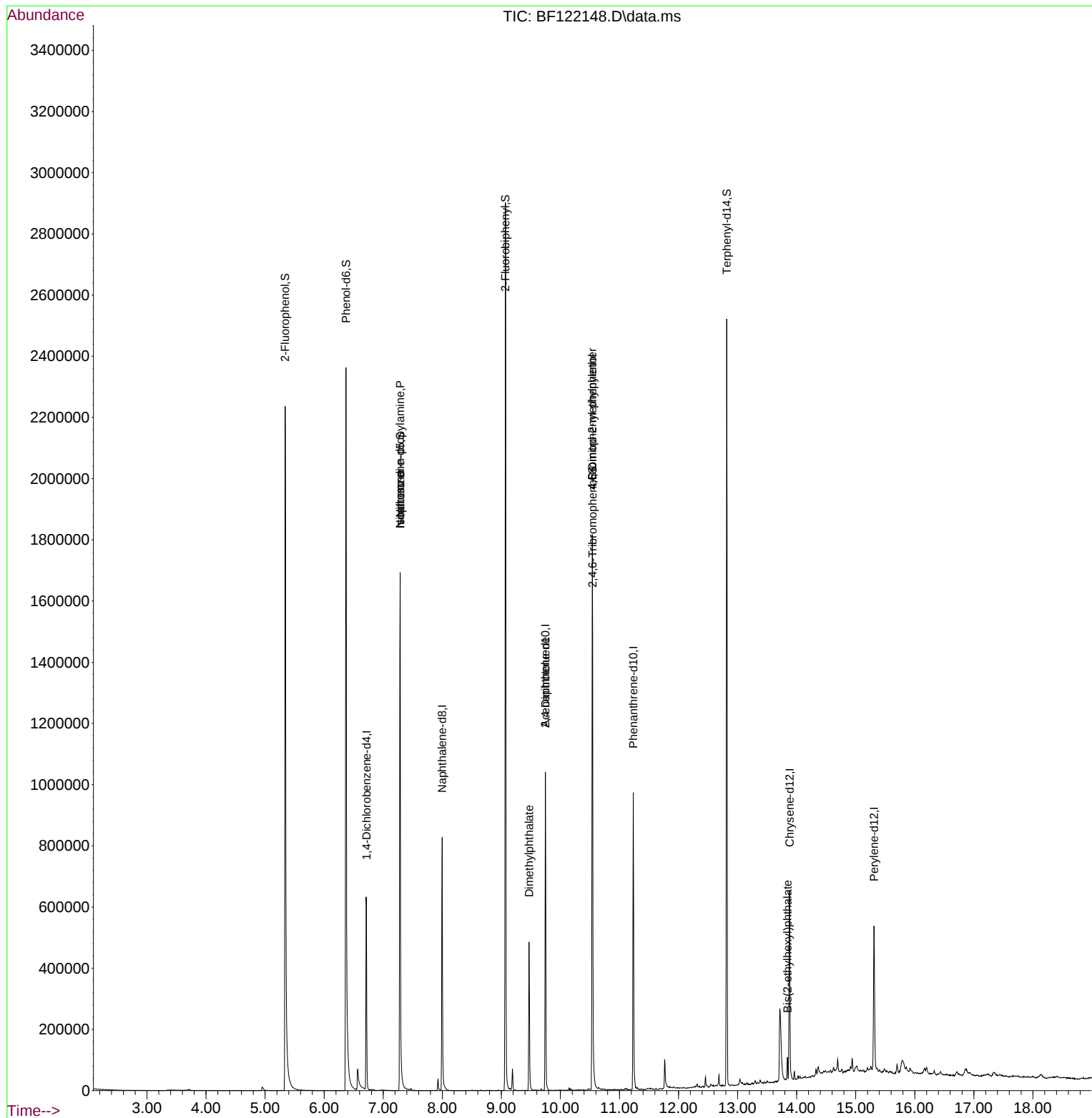
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.716  | 152  | 99536    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.998  | 136  | 393714   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.745  | 164  | 200105   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.233 | 188  | 360602   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 13.880 | 240  | 226473   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.310 | 264  | 222151   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 725583   | 107.59    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.369  | 99   | 908695   | 104.67    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.287  | 82   | 588696   | 76.68     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.545 | 330  | 258986   | 104.63    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.069  | 172  | 889849   | 65.43     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.816 | 244  | 768186   | 64.64     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.369  | 77   | 1430     | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 79510    | 16.09     | ng    | # 79     |
| 25) Isophorone                | 7.287  | 82   | 588693   | 40.55     | ng    | # 67     |
| 50) Dimethylphthalate         | 9.469  | 163  | 190841   | 13.04     | ng    | # 99     |
| 57) 2,4-Dinitrotoluene        | 9.745  | 165  | 25281    | 6.40      | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.539 | 198  | 466      | 4.61      | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.539 | 248  | 14860    | 3.57      | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 13.845 | 149  | 19074    | 2.05      | ng    | # 98     |
| -----                         |        |      |          |           |       |          |

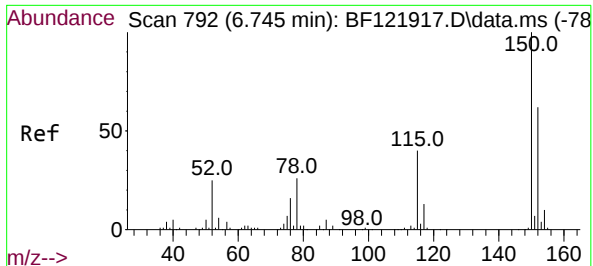
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102820\  
Data File : BF122148.D  
Acq On : 28 Oct 2020 15:23  
Operator : JU/CG  
Sample : L4530-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

Quant Time: Oct 28 16:00:20 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 26 17:27:32 2020  
Response via : Initial Calibration

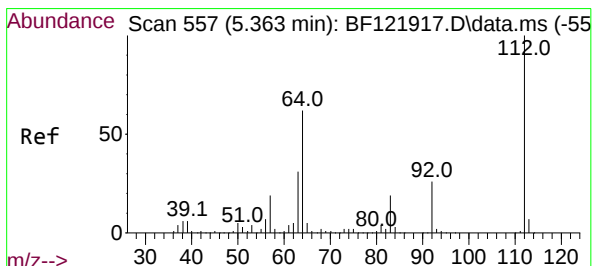
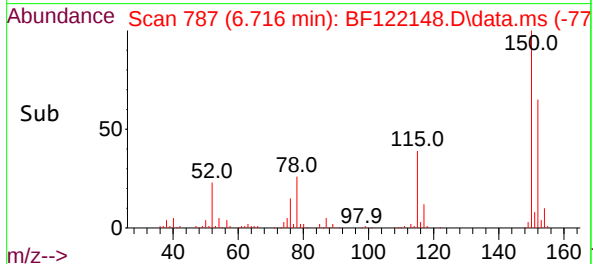
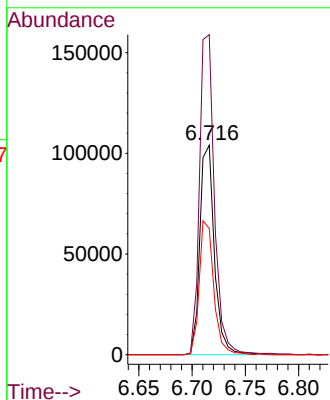
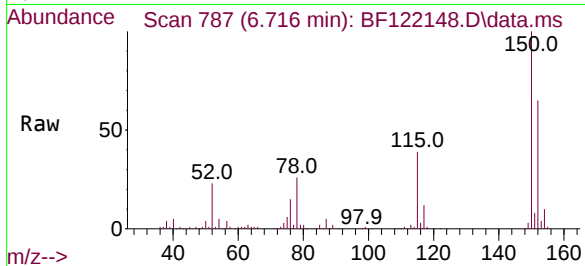




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.716 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

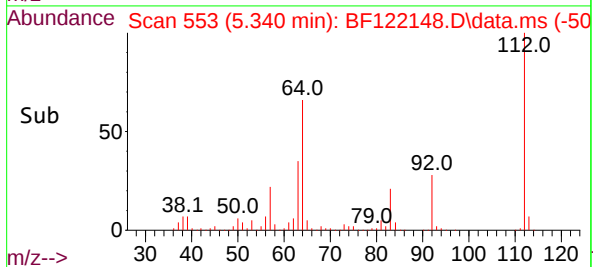
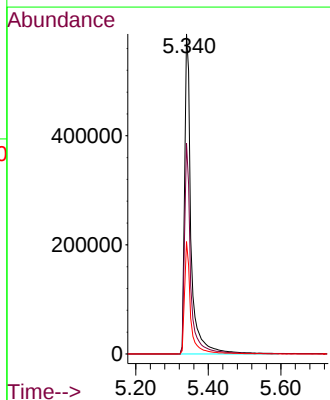
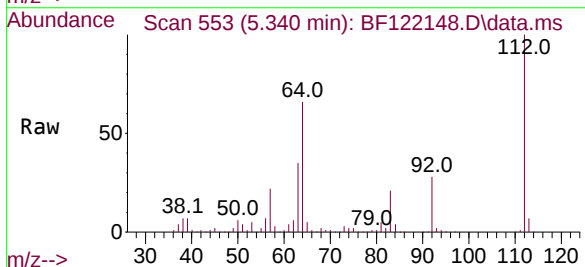
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

Tgt Ion:152 Resp: 99536  
Ion Ratio Lower Upper  
152 100  
150 152.8 125.3 187.9  
115 60.2 51.9 77.9



#5  
2-Fluorophenol  
Concen: 107.59 ng  
RT: 5.340 min Scan# 553  
Delta R.T. 0.006 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Tgt Ion:112 Resp: 725583  
Ion Ratio Lower Upper  
112 100  
64 65.9 50.4 75.6  
63 35.1 25.8 38.6

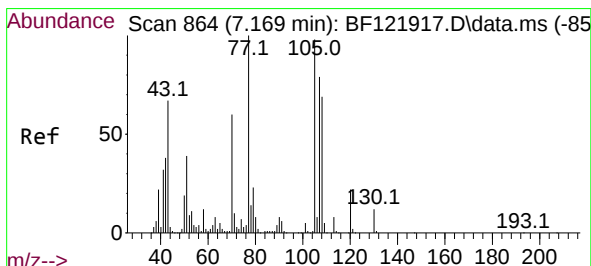
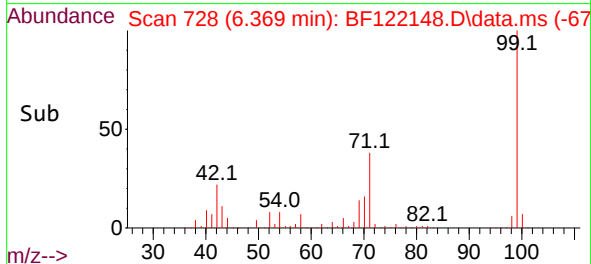
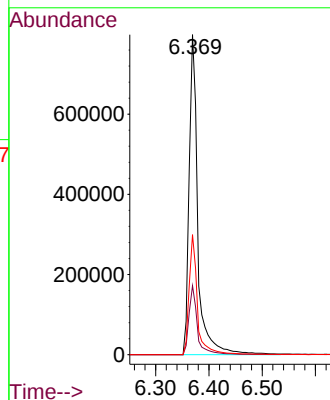
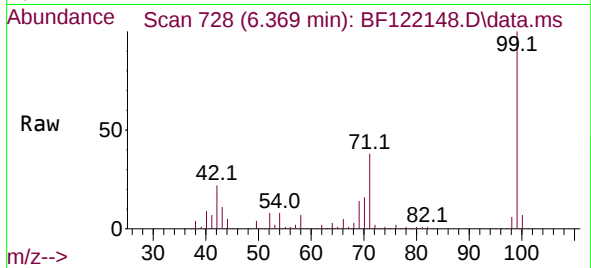




#7  
Phenol-d6  
Concen: 104.67 ng  
RT: 6.369 min Scan# 728  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

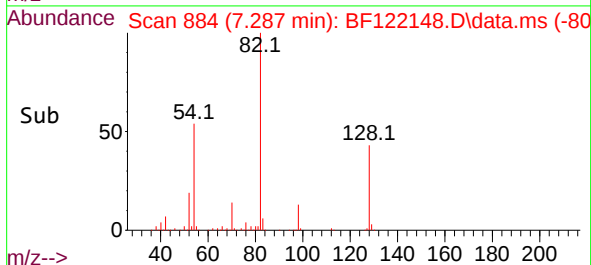
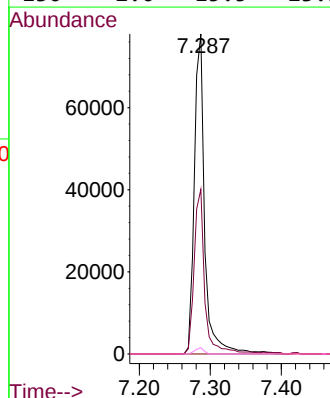
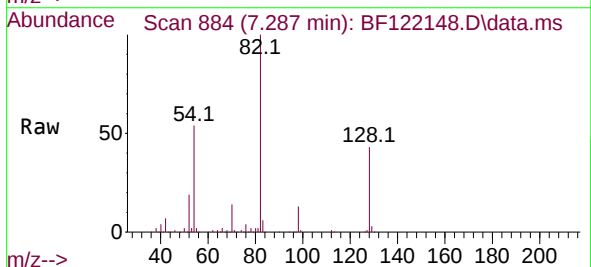
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

Tgt Ion: 99 Resp: 908695  
Ion Ratio Lower Upper  
99 100  
42 21.5 15.9 23.9  
71 37.5 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.09 ng  
RT: 7.287 min Scan# 884  
Delta R.T. 0.147 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

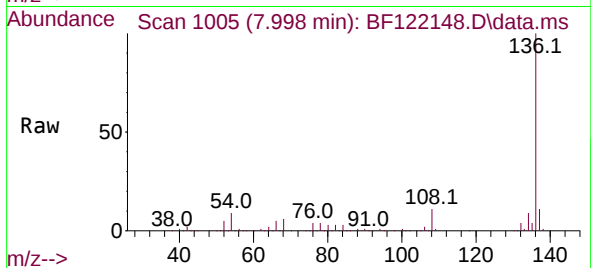
Tgt Ion: 70 Resp: 79510  
Ion Ratio Lower Upper  
70 100  
42 51.4 50.2 75.4  
101 0.0 7.5 11.3#  
130 2.0 15.5 23.3#



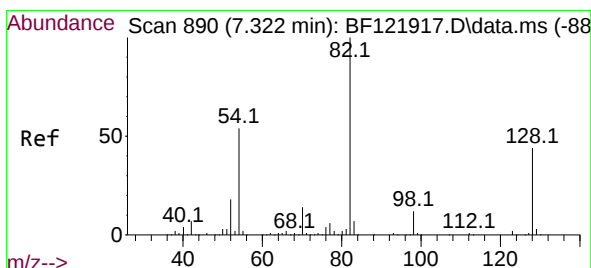
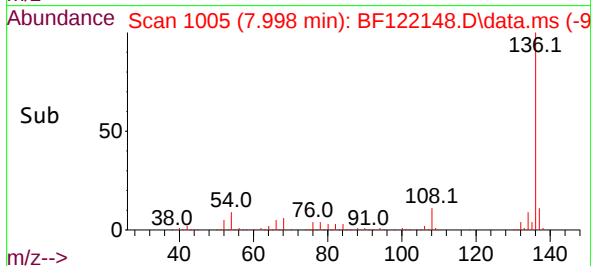
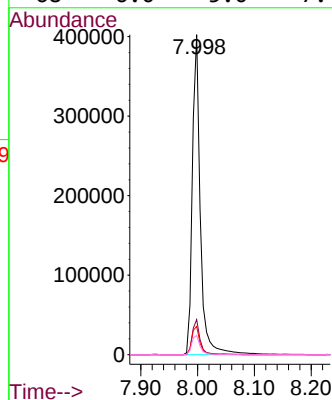


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.998 min Scan# 1005  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

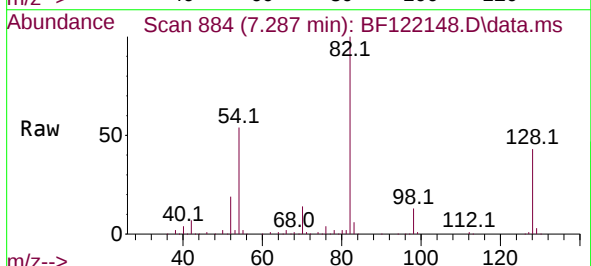
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54



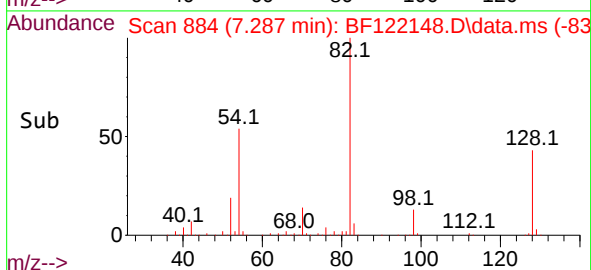
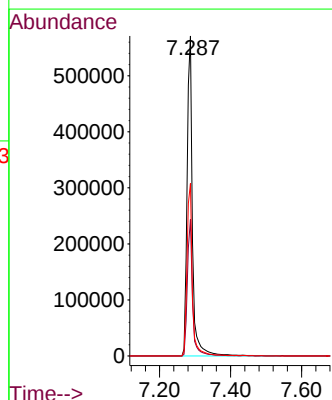
Tgt Ion:136 Resp: 393714  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.9 7.1 10.7  
68 6.0 5.0 7.4



#23  
Nitrobenzene-d5  
Concen: 76.68 ng  
RT: 7.287 min Scan# 884  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23



Tgt Ion: 82 Resp: 588696  
Ion Ratio Lower Upper  
82 100  
128 42.6 35.0 52.4  
54 53.9 43.9 65.9

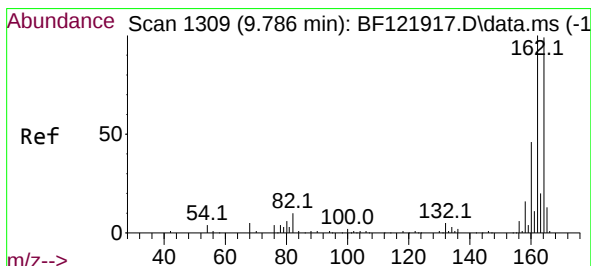
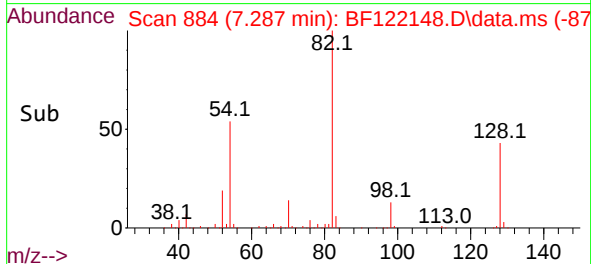
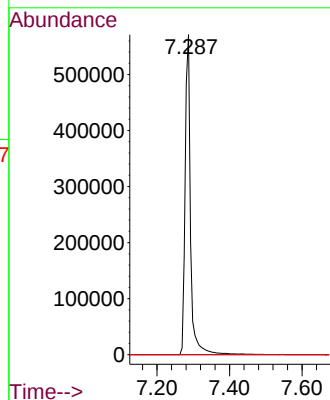
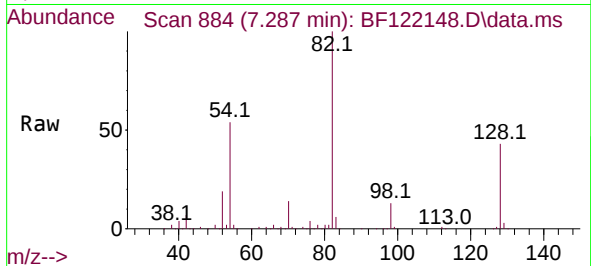




#25  
Isophorone  
Concen: 40.55 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.259 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

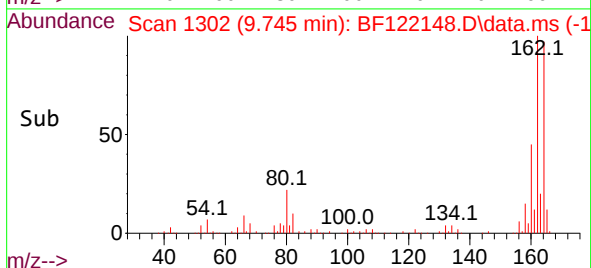
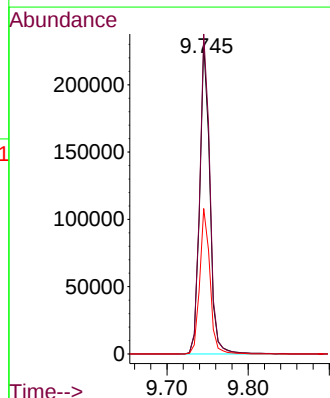
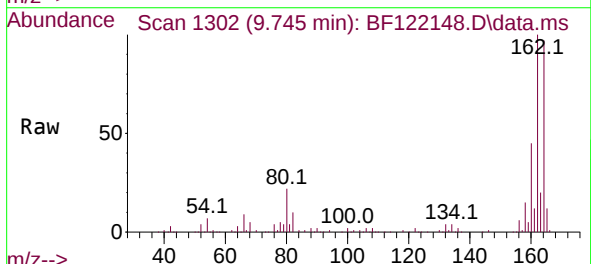
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

Tgt Ion: 82 Resp: 588693  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.4 20.0#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Tgt Ion:164 Resp: 200105  
Ion Ratio Lower Upper  
164 100  
162 103.0 83.2 124.8  
160 46.8 37.5 56.3

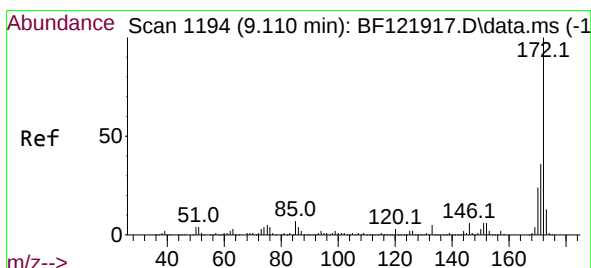
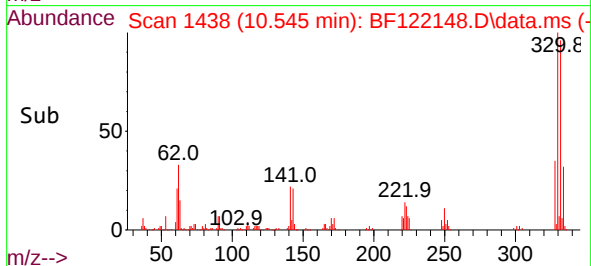
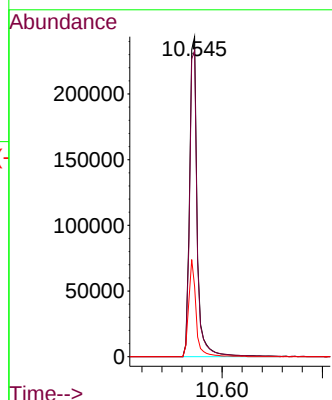
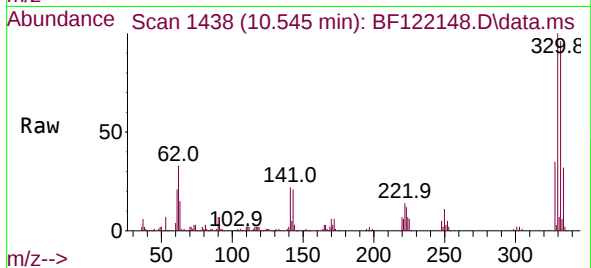




#42  
2,4,6-Tribromophenol  
Concen: 104.63 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

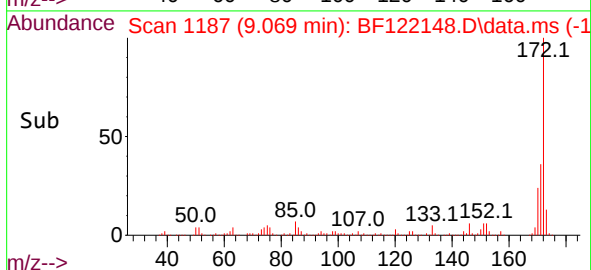
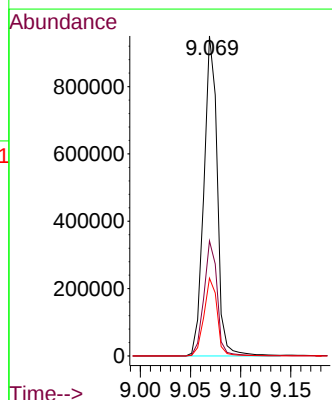
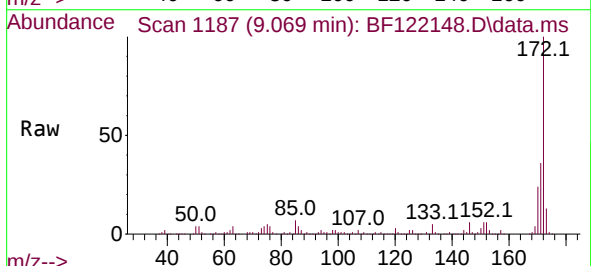
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

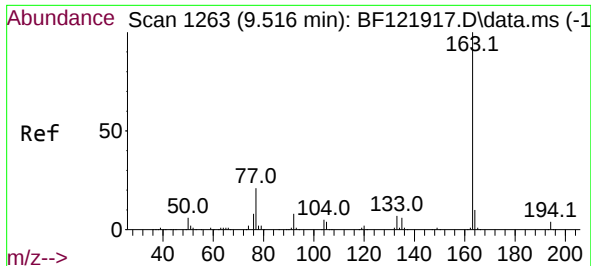
Tgt Ion: 330 Resp: 258986  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.3 115.9  
141 29.3 22.3 33.5



#45  
2-Fluorobiphenyl  
Concen: 65.43 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. -0.006 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Tgt Ion: 172 Resp: 889849  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.1 43.7  
170 24.3 19.8 29.6

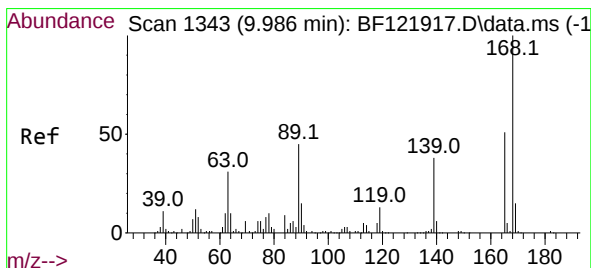
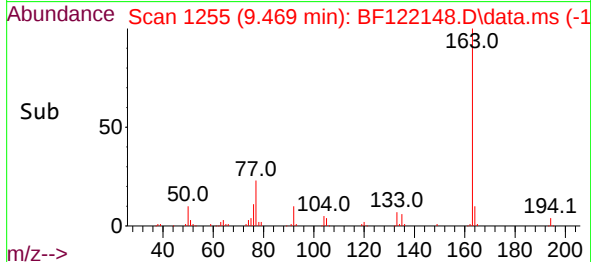
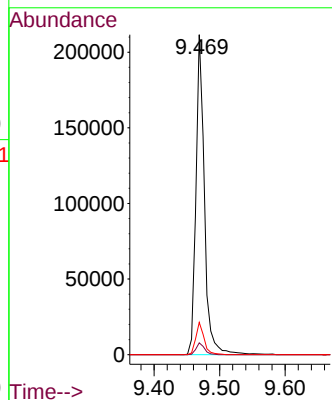
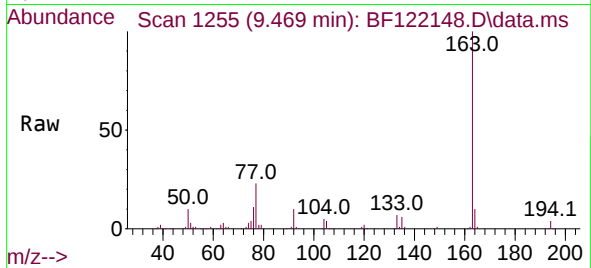




#50  
Dimethylphthalate  
Concen: 13.04 ng  
RT: 9.469 min Scan# 1255  
Delta R.T. -0.012 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

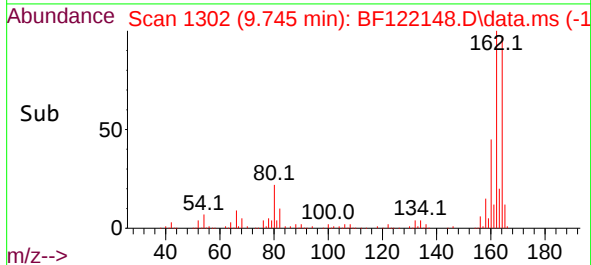
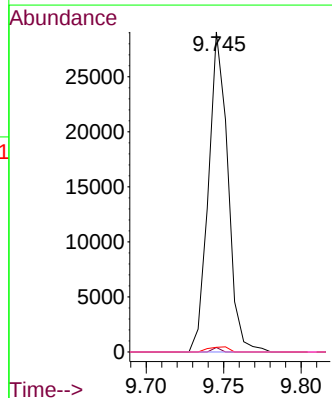
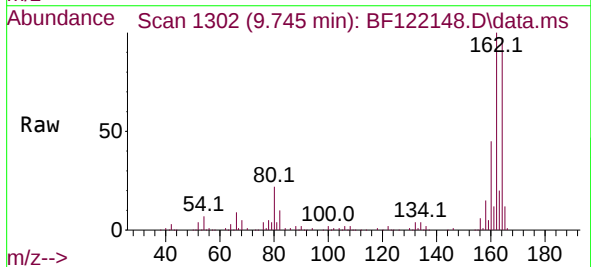
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

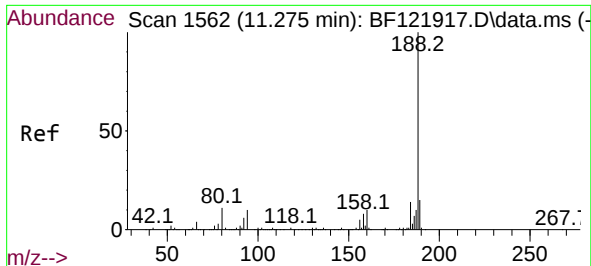
Tgt Ion:163 Resp: 190841  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 10.1 8.2 12.4



#57  
2,4-Dinitrotoluene  
Concen: 6.40 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.218 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Tgt Ion:165 Resp: 25281  
Ion Ratio Lower Upper  
165 100  
63 1.4 41.3 61.9#  
89 1.5 61.8 92.8#  
182 0.0 2.1 3.1#

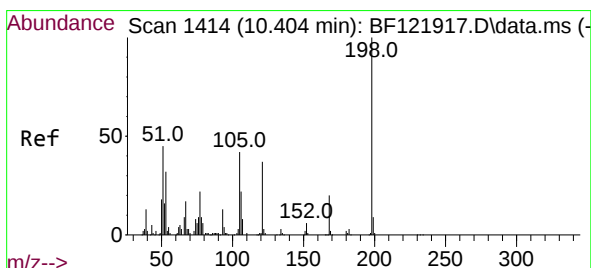
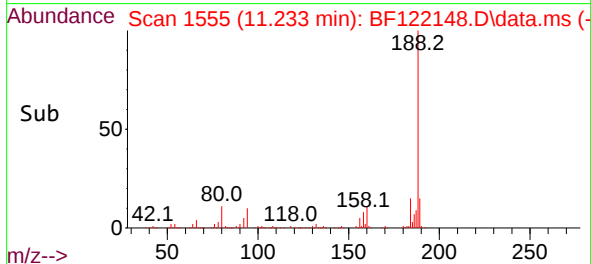
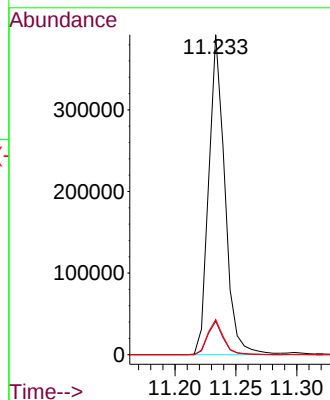
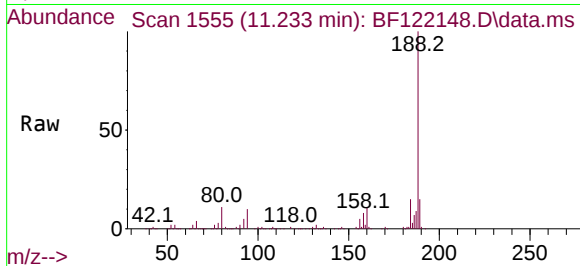




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.233 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

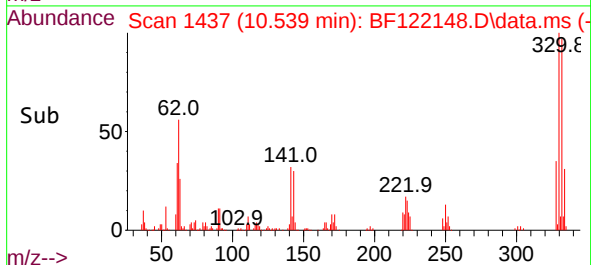
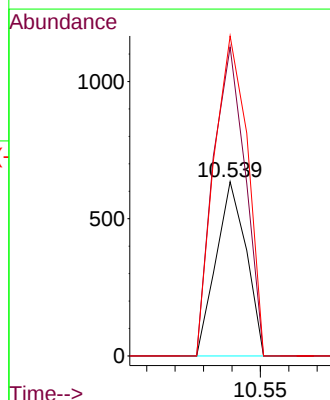
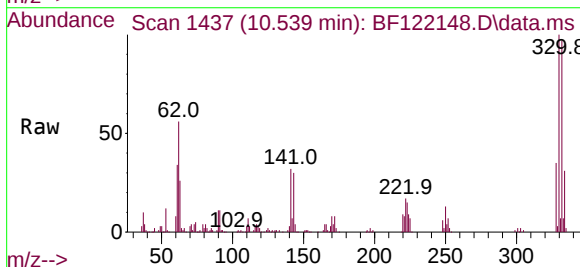
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

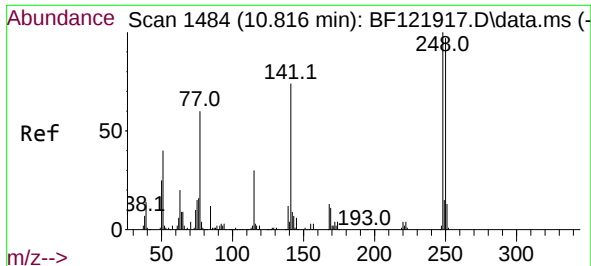
Tgt Ion:188 Resp: 360602  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.3 12.5  
80 11.0 9.1 13.7



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.61 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. 0.165 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Tgt Ion:198 Resp: 466  
Ion Ratio Lower Upper  
198 100  
51 177.3 29.6 69.6#  
105 183.6 24.4 64.4#

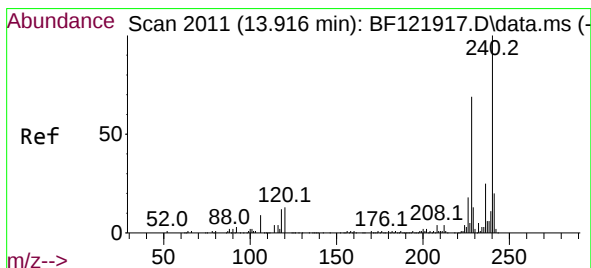
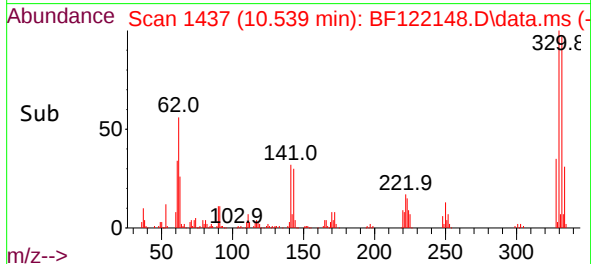
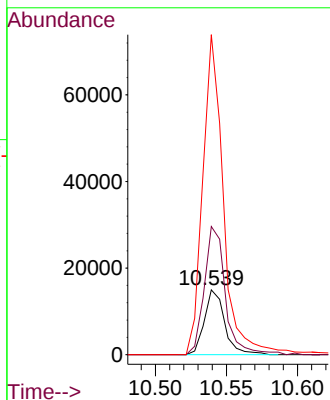
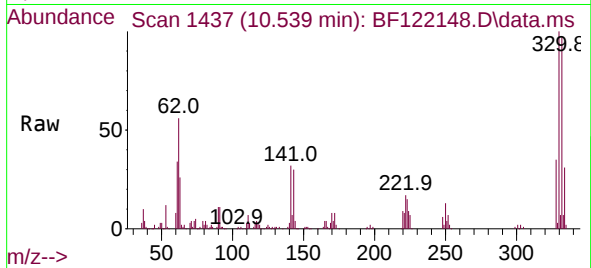




#67  
4-Bromophenyl-phenylether  
Concen: 3.57 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. -0.235 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

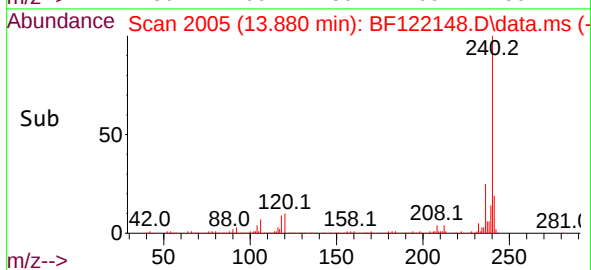
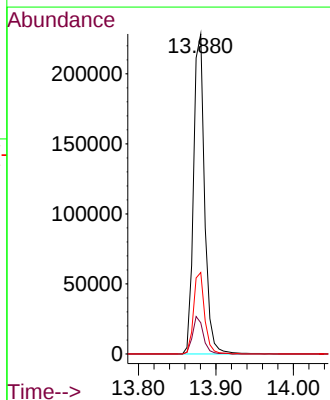
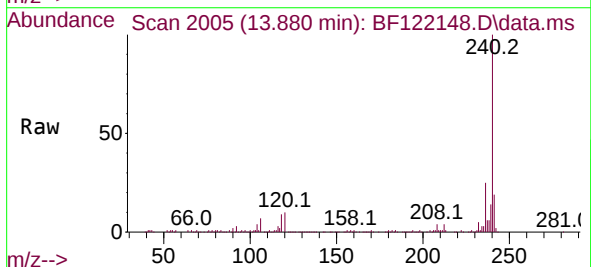
Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54

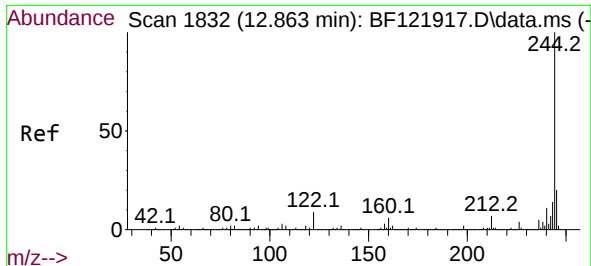
Tgt Ion:248 Resp: 14860  
Ion Ratio Lower Upper  
248 100  
250 197.6 77.0 115.6#  
141 493.7 53.7 80.5#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.880 min Scan# 2005  
Delta R.T. 0.000 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Tgt Ion:240 Resp: 226473  
Ion Ratio Lower Upper  
240 100  
120 9.8 9.2 13.8  
236 25.5 20.9 31.3

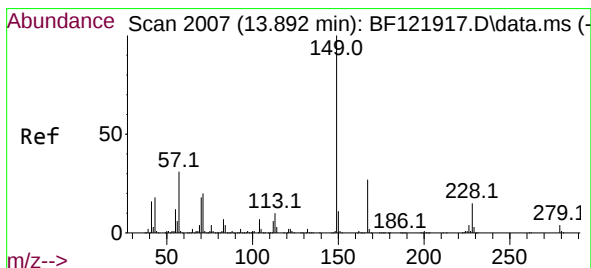
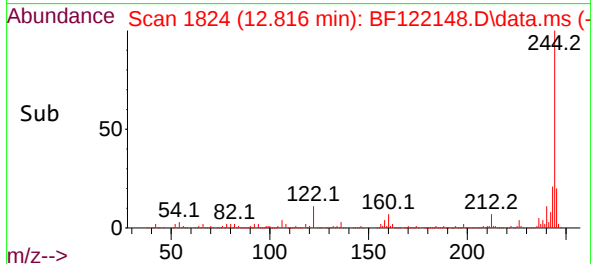
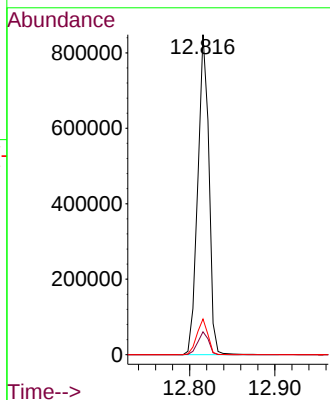
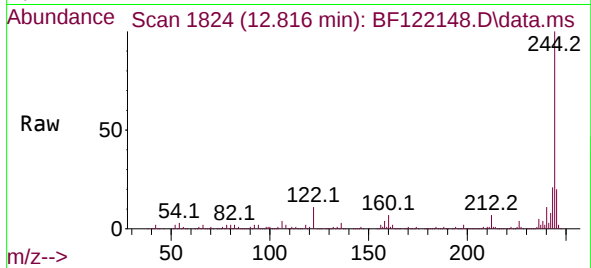




#79  
 Terphenyl-d14  
 Concen: 64.64 ng  
 RT: 12.816 min Scan# 1824  
 Delta R.T. 0.000 min  
 Lab File: BF122148.D  
 Acq: 28 Oct 2020 15:23

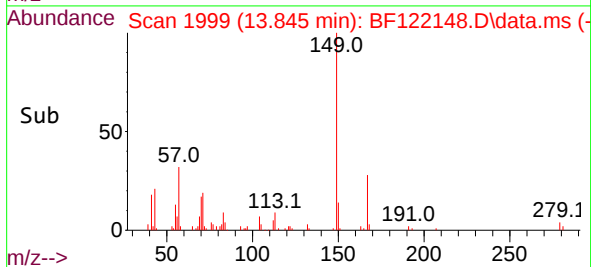
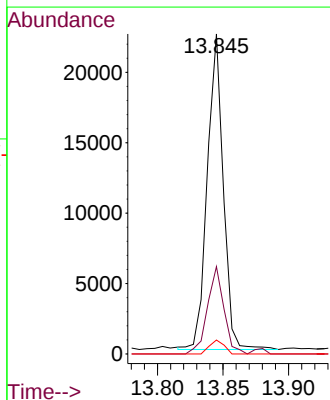
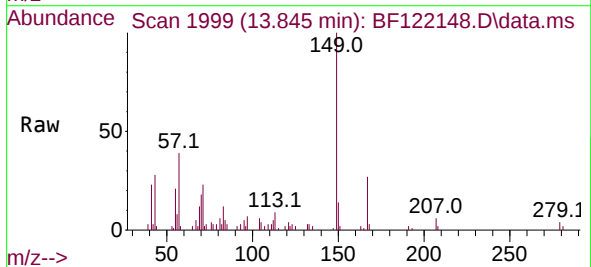
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-54

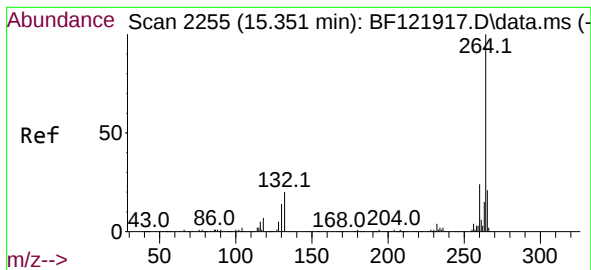
Tgt Ion:244 Resp: 768186  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.2  
 122 11.2 8.1 12.1



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.05 ng  
 RT: 13.845 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: BF122148.D  
 Acq: 28 Oct 2020 15:23

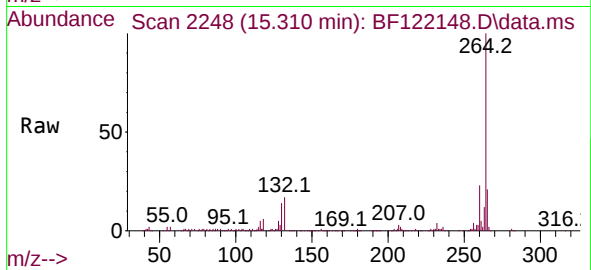
Tgt Ion:149 Resp: 19074  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 20.9 31.3  
 279 4.4 3.2 4.8





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.310 min Scan# 2248  
Delta R.T. 0.006 min  
Lab File: BF122148.D  
Acq: 28 Oct 2020 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
RBR-54



Tgt Ion:264 Resp: 222151  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.7  | 28.1  |
| 265 | 21.4  | 17.3  | 25.9  |

