

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061121\  
 Data File : BF124274.D  
 Acq On : 11 Jun 2021 22:19  
 Operator : JU/CG  
 Sample : M2625-12  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 11 23:47:38 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF060321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 10 01:53:56 2021  
 Response via : Initial Calibration

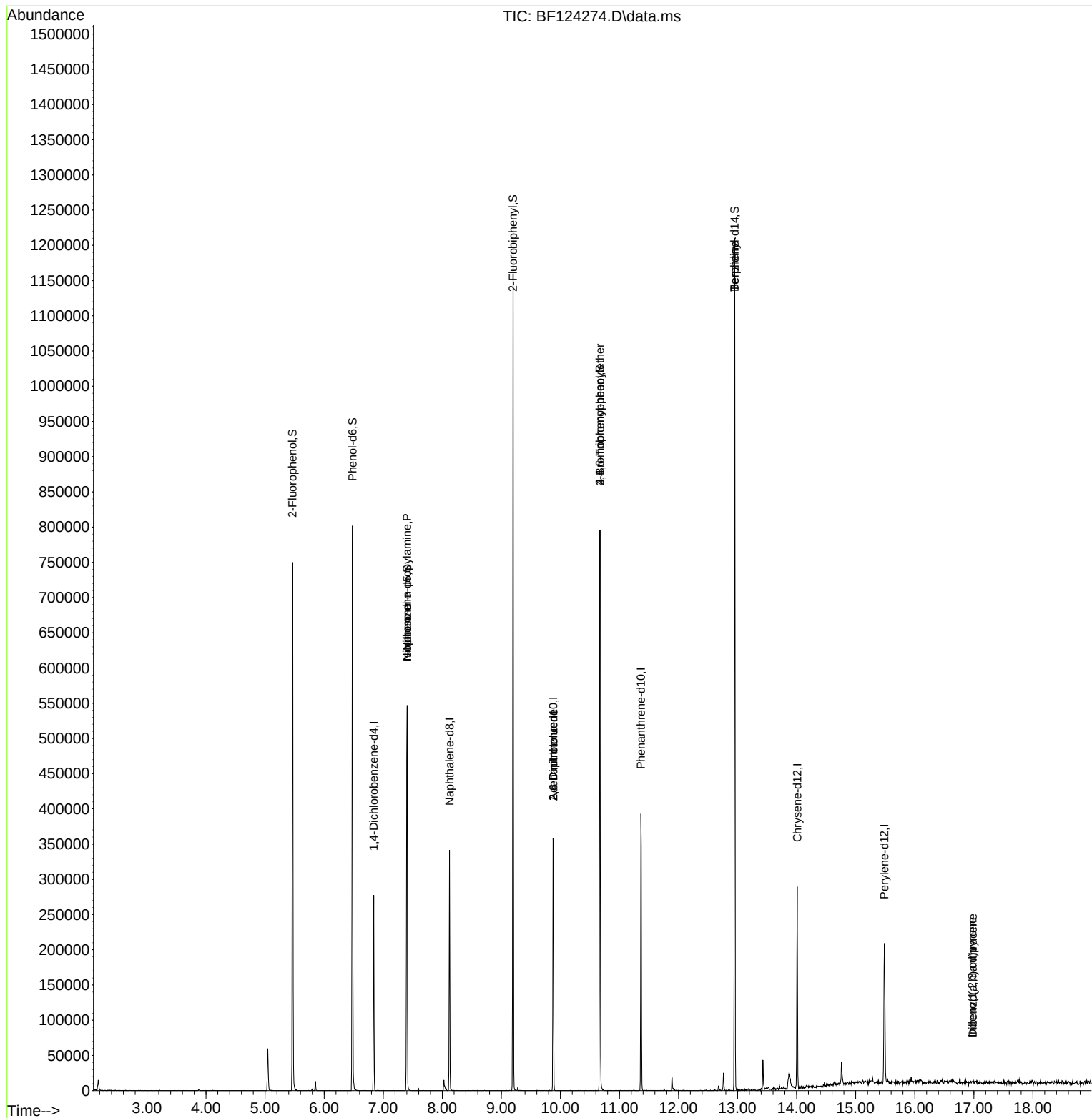
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 31329    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.122  | 136  | 119820   | 20.00 | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.881  | 164  | 70393    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.363 | 188  | 135602   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.010 | 240  | 87523    | 20.00 | ng    | #-0.01   |
| 86) Perylene-d12              | 15.486 | 264  | 87408    | 20.00 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 161449   | 77.58 | ng    | -0.02    |
| 7) Phenol-d6                  | 6.481  | 99   | 208199   | 74.42 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 162508   | 53.79 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 76850    | 77.06 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 295563   | 52.84 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.951 | 244  | 336301   | 52.75 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 23139    | 11.72 | ng    | # 69     |
| 25) Isophorone                | 7.404  | 82   | 162506   | 29.85 | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 9381     | 7.03  | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 9.881  | 165  | 9381     | 5.33  | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 5240     | 2.82  | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 5909     | 6.71  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 129      | 4.35  | ng    | # 1      |
| 91) Dibenzo(a,h)anthracene    | 16.980 | 278  | 140      | 4.20  | ng    | # 57     |
| -----                         |        |      |          |       |       |          |

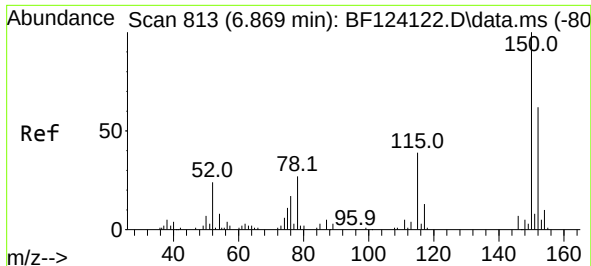
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061121\  
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QLast Update : Thu Jun 10 01:53:56 2021  
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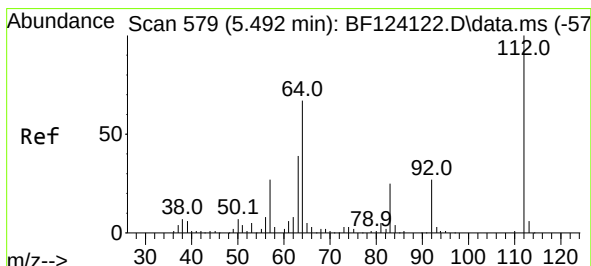
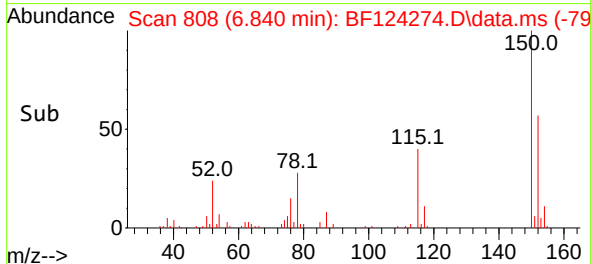
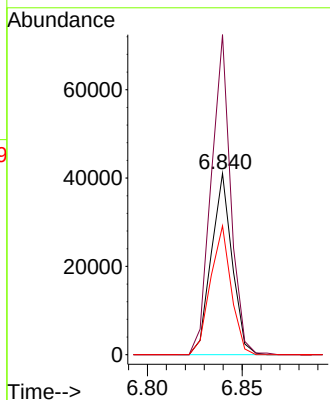
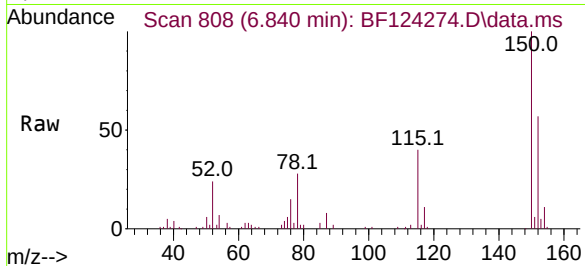




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.840 min Scan# 808  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

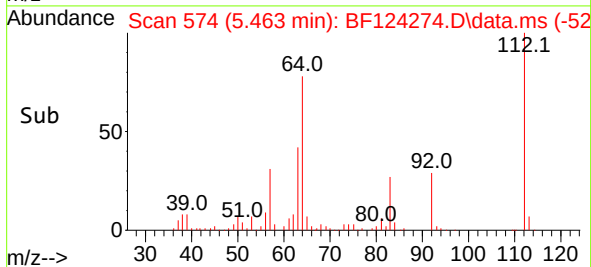
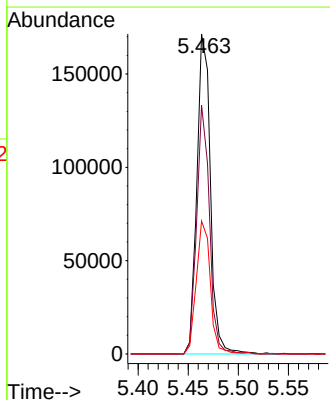
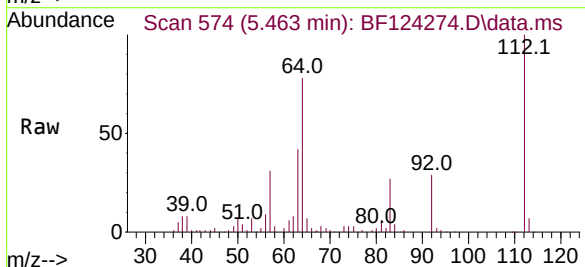
Instrument :  
BNA\_F  
ClientSampleId :

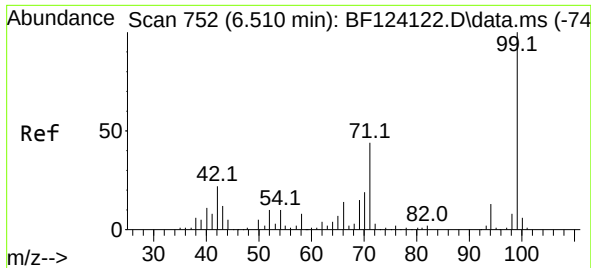
Tgt Ion:152 Resp: 31329  
Ion Ratio Lower Upper  
152 100  
150 176.6 127.0 190.6  
115 71.1 54.3 81.5



#5  
2-Fluorophenol  
Concen: 77.58 ng  
RT: 5.463 min Scan# 574  
Delta R.T. -0.017 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion:112 Resp: 161449  
Ion Ratio Lower Upper  
112 100  
64 77.8 61.4 92.0  
63 41.5 33.0 49.4

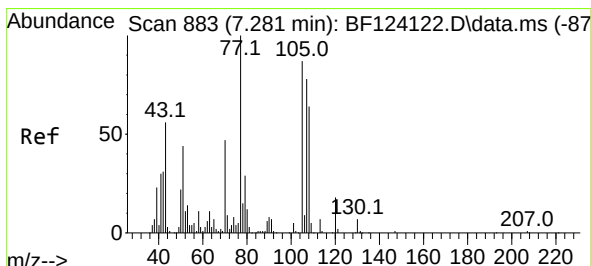
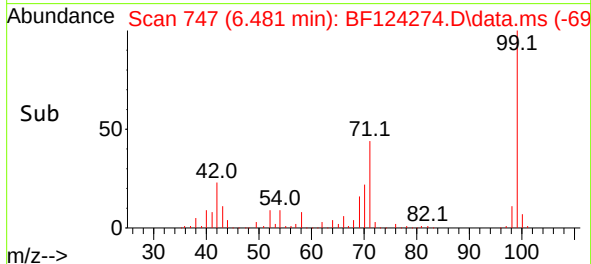
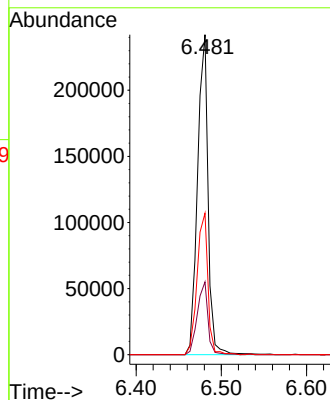
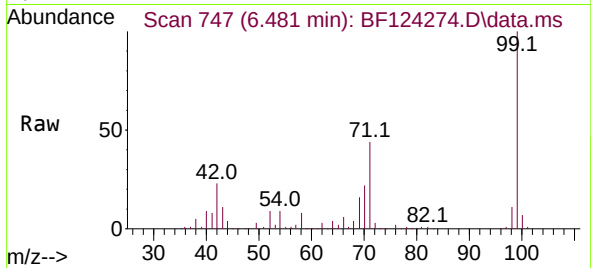




#7  
Phenol-d6  
Concen: 74.42 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.017 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

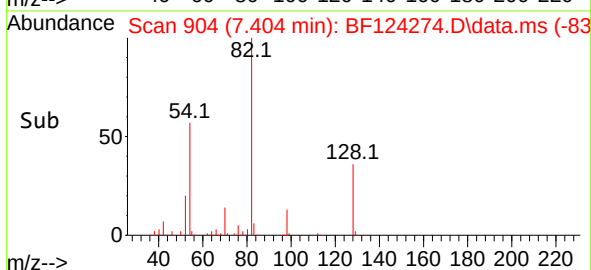
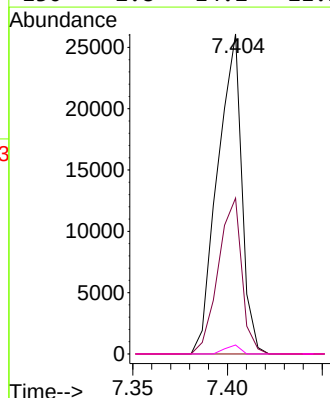
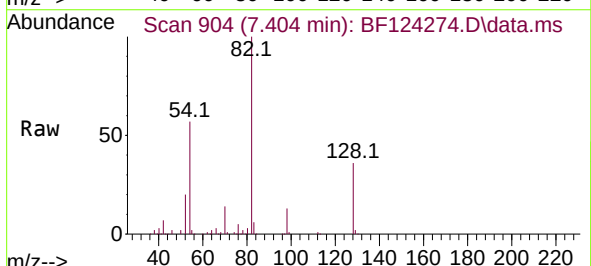
Instrument :  
BNA\_F  
ClientSampleId :

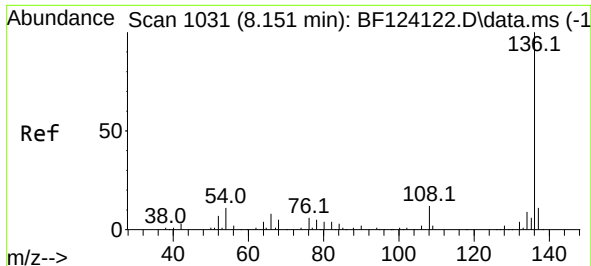
Tgt Ion: 99 Resp: 208199  
Ion Ratio Lower Upper  
99 100  
42 22.8 19.8 29.8  
71 44.2 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.72 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.136 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

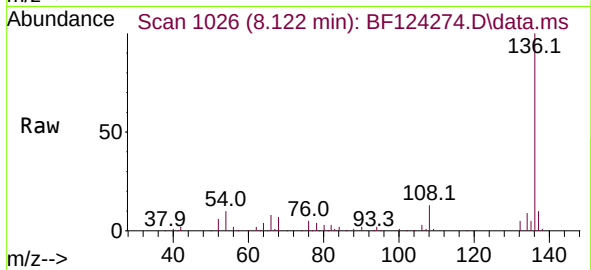
Tgt Ion: 70 Resp: 23139  
Ion Ratio Lower Upper  
70 100  
42 48.7 60.1 90.1#  
101 0.0 7.4 11.2#  
130 2.8 14.2 21.2#



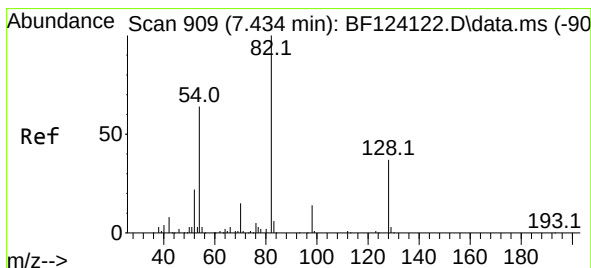
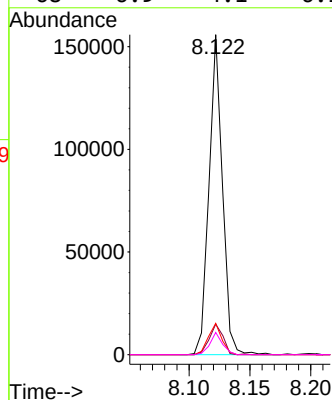
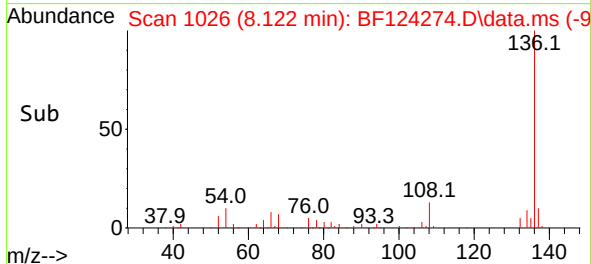


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

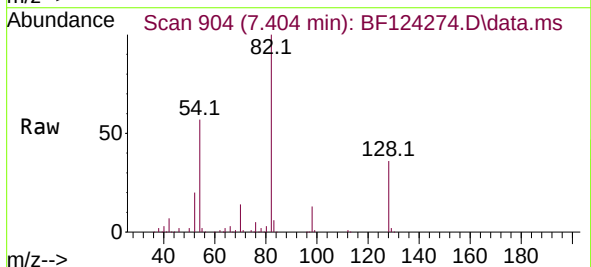
Instrument :  
BNA\_F  
ClientSampleId :



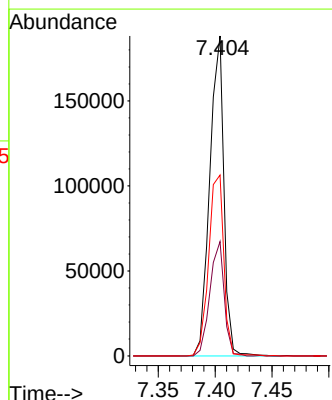
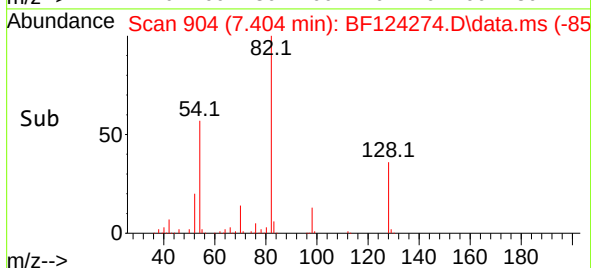
Tgt Ion:136 Resp: 119820  
Ion Ratio Lower Upper  
136 100  
137 9.6 8.7 13.1  
54 9.8 9.8 14.6  
68 6.9 4.1 6.1#

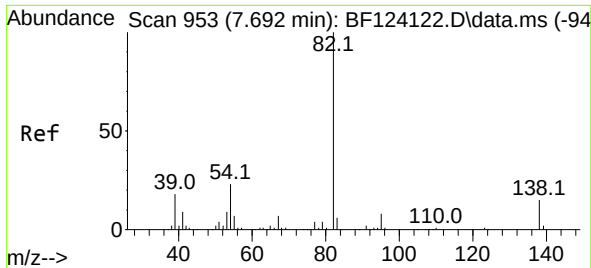


#23  
Nitrobenzene-d5  
Concen: 53.79 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19



Tgt Ion: 82 Resp: 162508  
Ion Ratio Lower Upper  
82 100  
128 35.7 29.4 44.2  
54 56.5 54.1 81.1

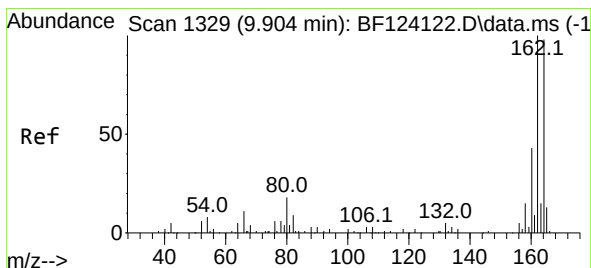
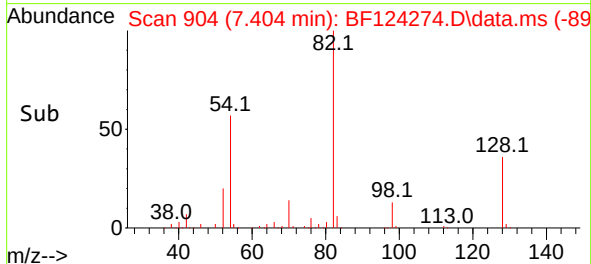
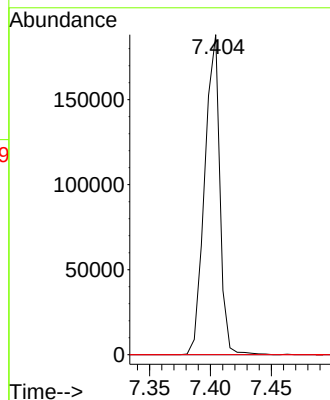
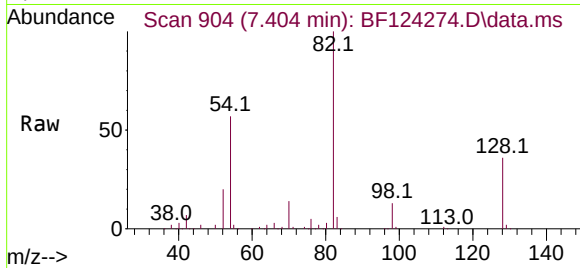




#25  
Isophorone  
Concen: 29.85 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.270 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

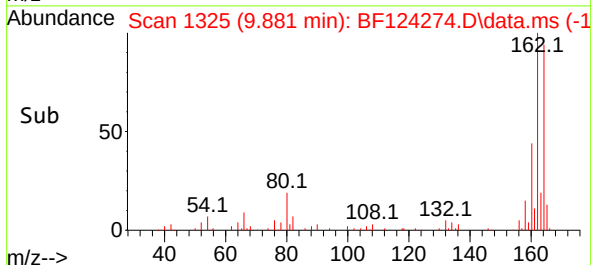
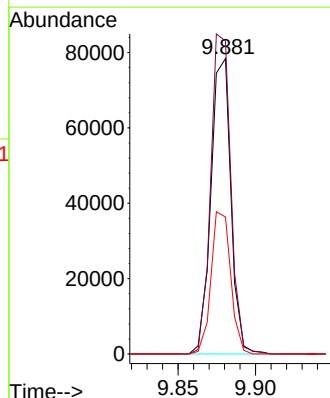
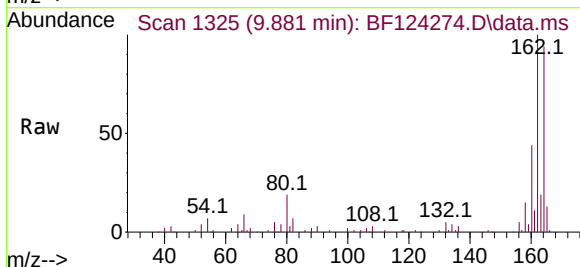
Instrument :  
BNA\_F  
ClientSampleId :

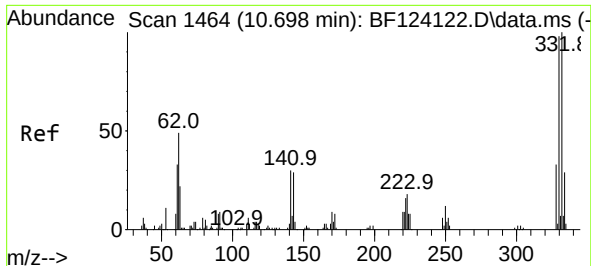
Tgt Ion: 82 Resp: 162506  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion:164 Resp: 70393  
Ion Ratio Lower Upper  
164 100  
162 106.0 80.7 121.1  
160 46.4 37.3 55.9

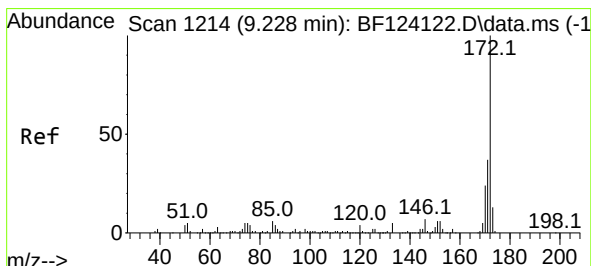
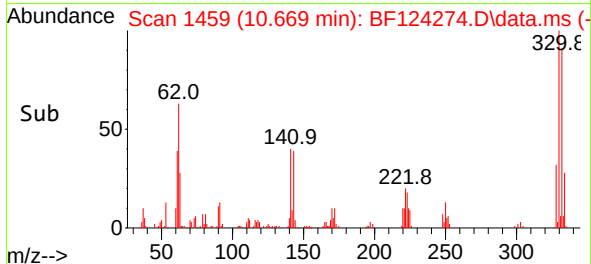
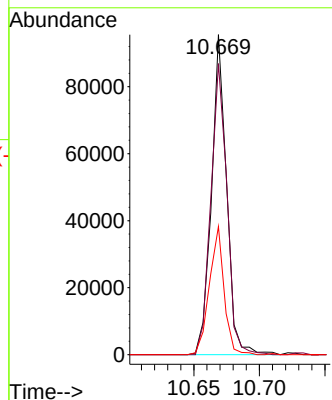
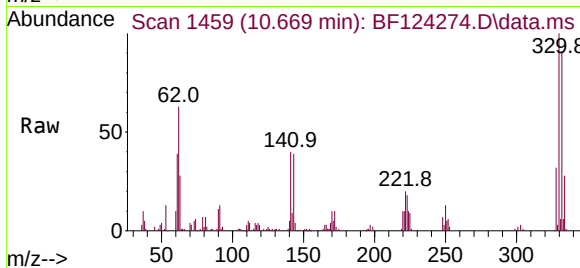




#42  
2,4,6-Tribromophenol  
Concen: 77.06 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

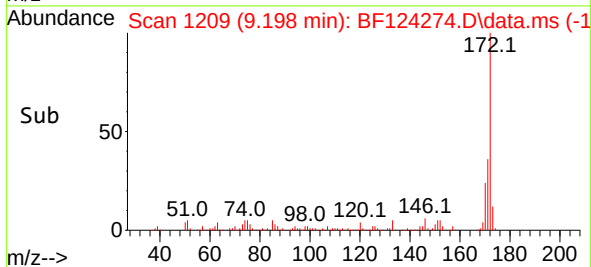
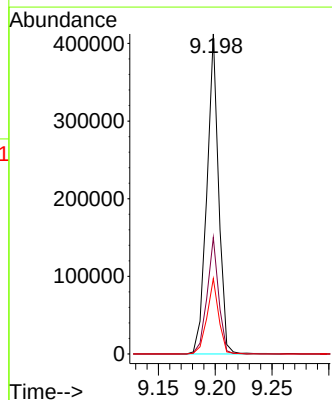
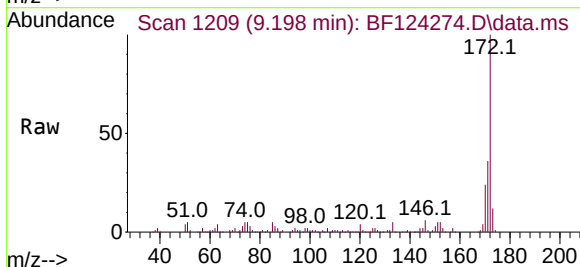
Instrument :  
BNA\_F  
ClientSampleId :

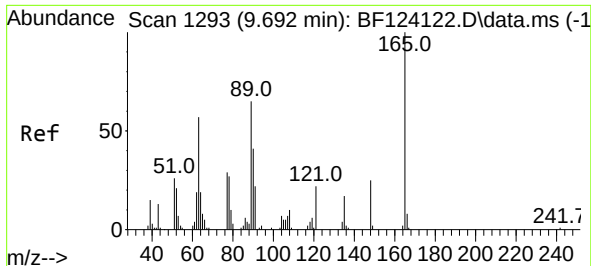
Tgt Ion: 330 Resp: 76850  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.1 115.7  
141 39.0 27.9 41.9



#45  
2-Fluorobiphenyl  
Concen: 52.84 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion: 172 Resp: 295563  
Ion Ratio Lower Upper  
172 100  
171 36.4 28.1 42.1  
170 23.6 19.2 28.8

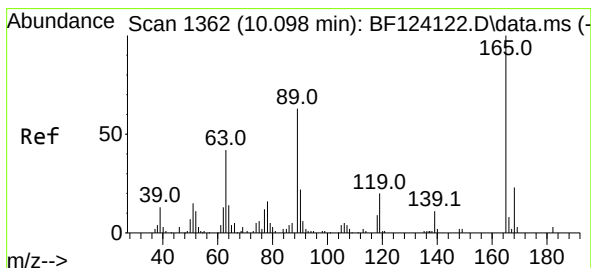
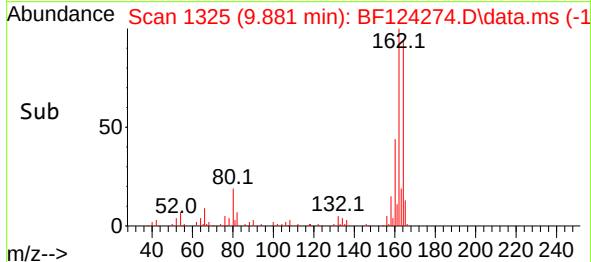
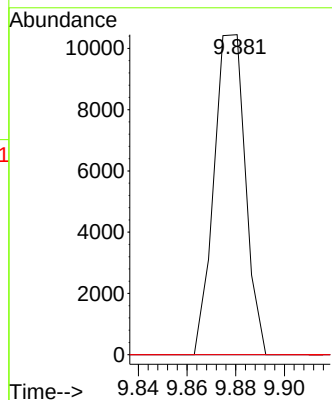
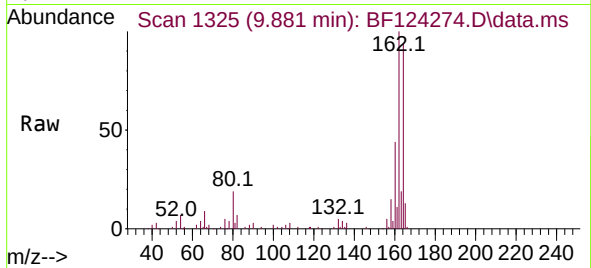




#51  
2,6-Dinitrotoluene  
Concen: 7.03 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. 0.200 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

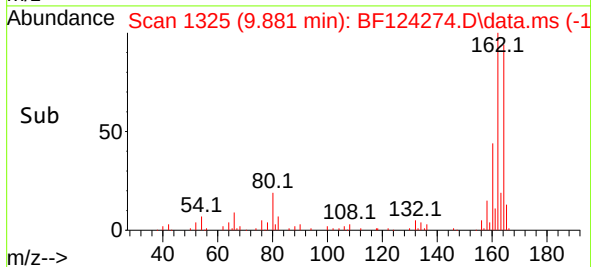
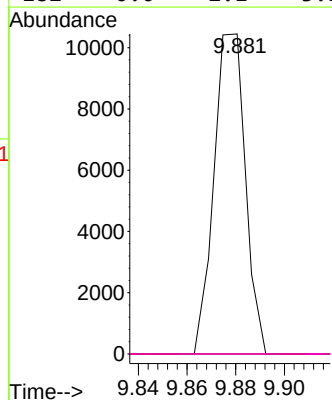
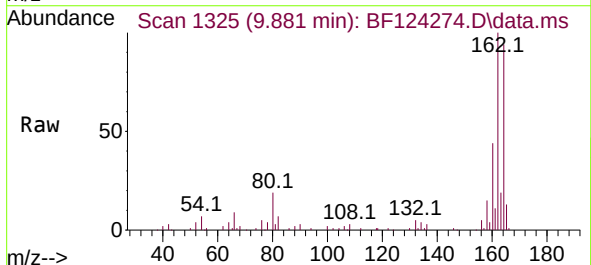
Instrument :  
BNA\_F  
ClientSampled :

Tgt Ion:165 Resp: 9381  
Ion Ratio Lower Upper  
165 100  
63 0.0 67.7 101.5#  
89 0.0 58.8 88.2#

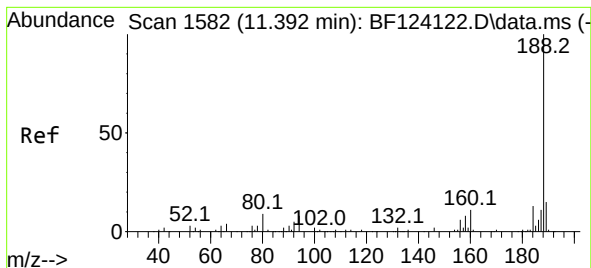


#57  
2,4-Dinitrotoluene  
Concen: 5.33 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. -0.206 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion:165 Resp: 9381  
Ion Ratio Lower Upper  
165 100  
63 0.0 43.5 65.3#  
89 0.0 67.7 101.5#  
182 0.0 2.1 3.1#



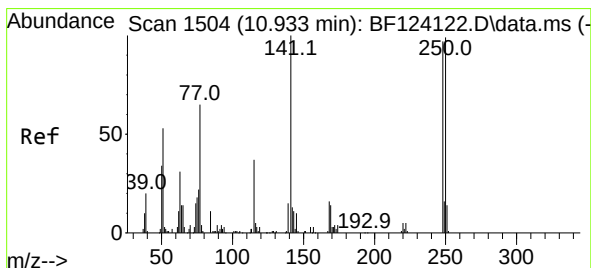
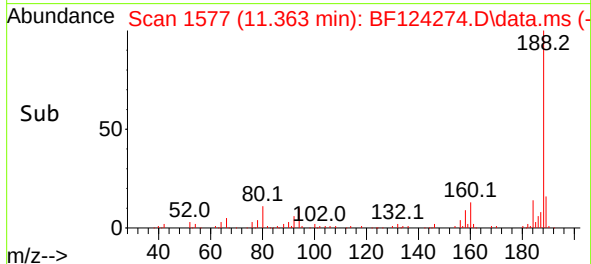
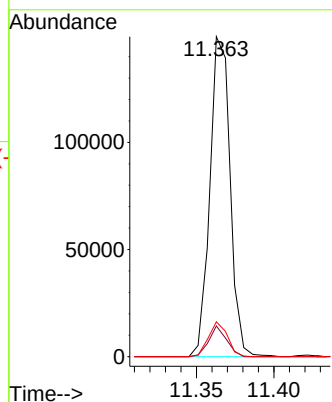
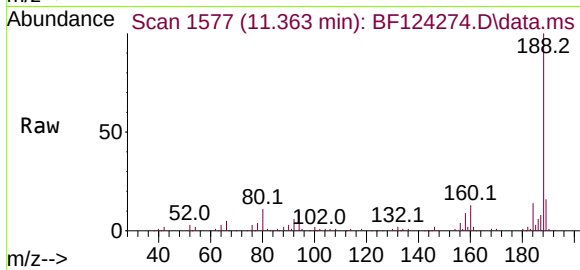




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

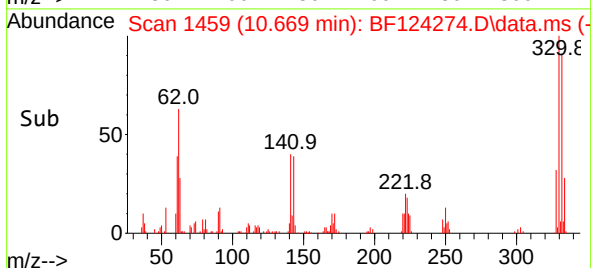
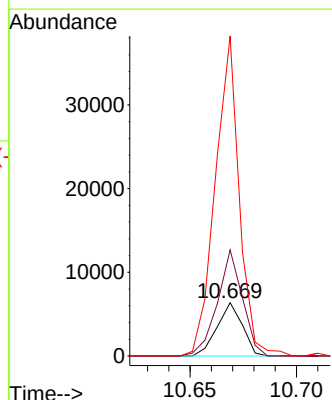
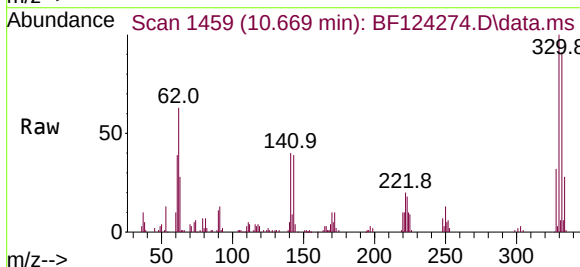
Instrument :  
BNA\_F  
ClientSampled :

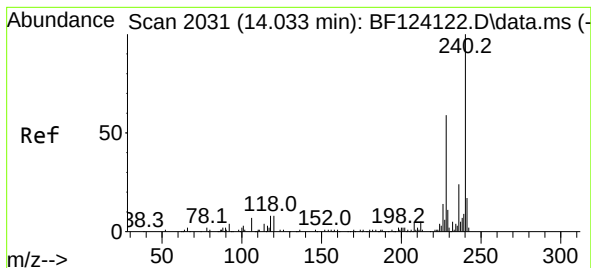
Tgt Ion:188 Resp: 135602  
Ion Ratio Lower Upper  
188 100  
94 9.6 6.9 10.3  
80 10.9 8.2 12.2



#67  
4-Bromophenyl-phenylether  
Concen: 2.82 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.253 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion:248 Resp: 5240  
Ion Ratio Lower Upper  
248 100  
250 199.0 77.4 116.2#  
141 600.3 63.7 95.5#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.011 min

Lab File: BF124274.D

Acq: 11 Jun 2021 22:19

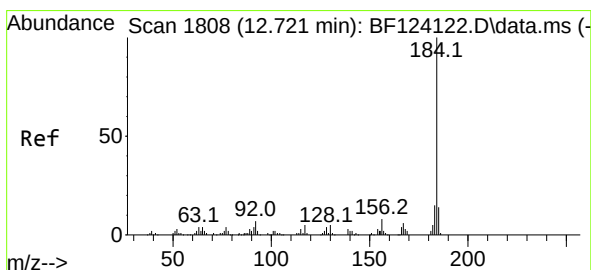
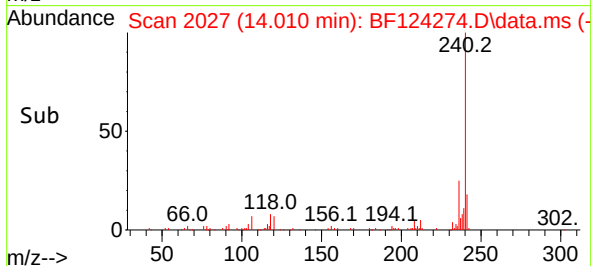
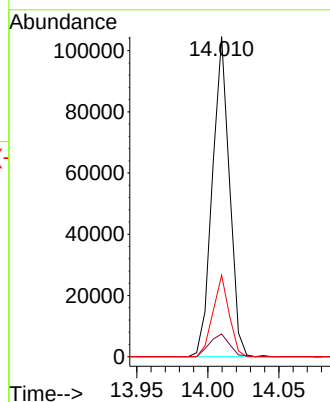
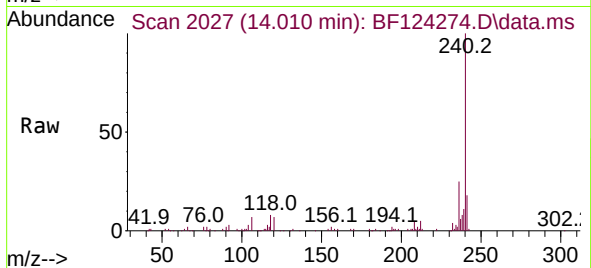
Tgt Ion:240 Resp: 87523

Ion Ratio Lower Upper

240 100

120 7.1 7.2 10.8#

236 25.4 19.0 28.4



#77

Benzidine

Concen: 6.71 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF124274.D

Acq: 11 Jun 2021 22:19

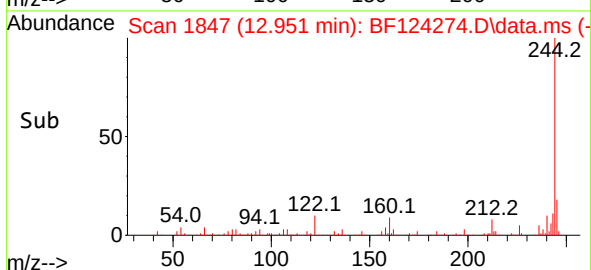
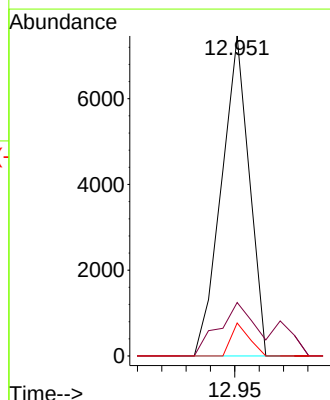
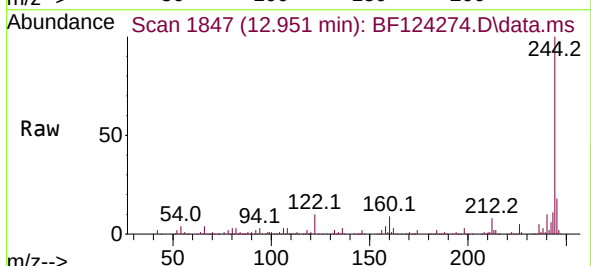
Tgt Ion:184 Resp: 5909

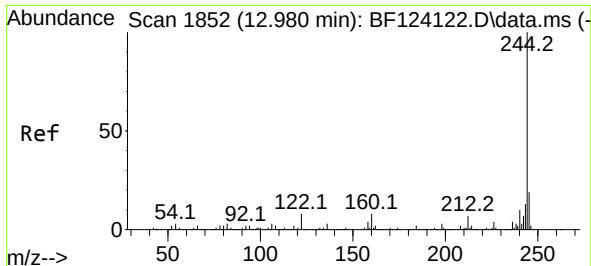
Ion Ratio Lower Upper

184 100

185 16.7 12.1 18.1

183 10.3 7.8 11.8

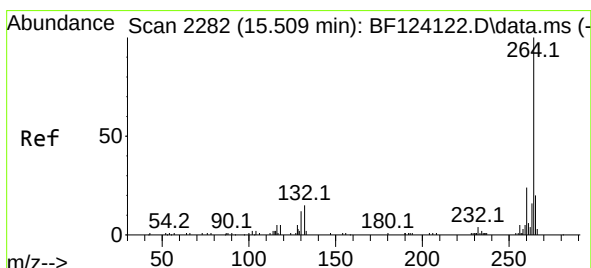
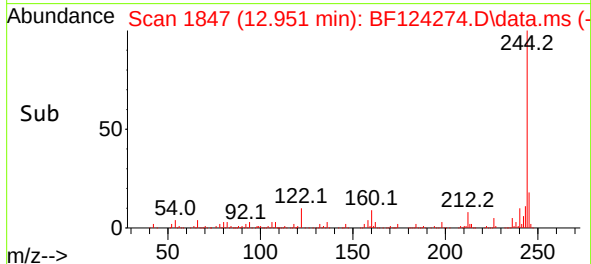
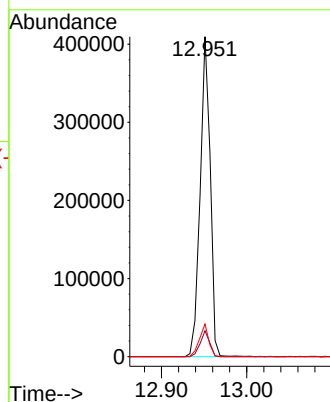
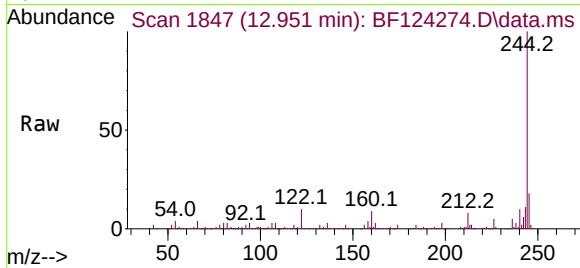




#79  
Terphenyl-d14  
Concen: 52.75 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

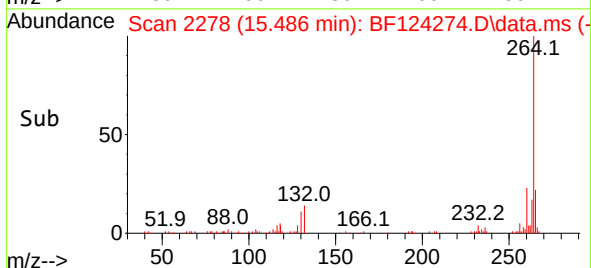
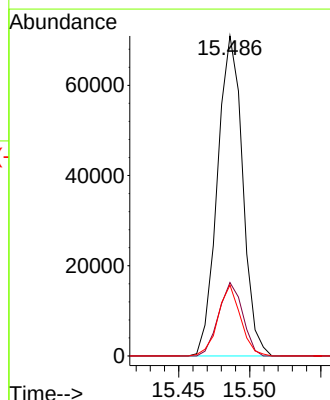
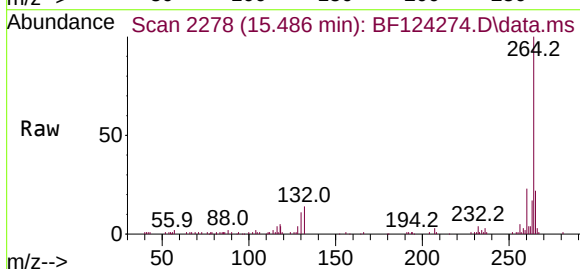
Instrument :  
BNA\_F  
ClientSampleId :

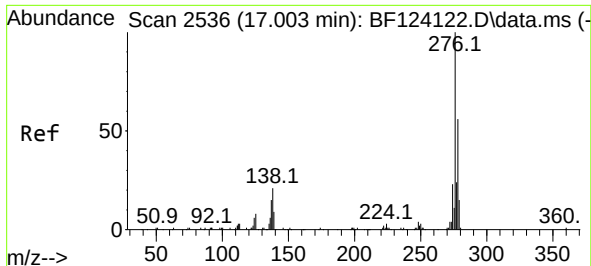
Tgt Ion:244 Resp: 336301  
Ion Ratio Lower Upper  
244 100  
212 8.1 5.7 8.5  
122 10.2 9.7 14.5



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. -0.006 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion:264 Resp: 87408  
Ion Ratio Lower Upper  
264 100  
260 23.0 18.7 28.1  
265 22.1 17.8 26.8

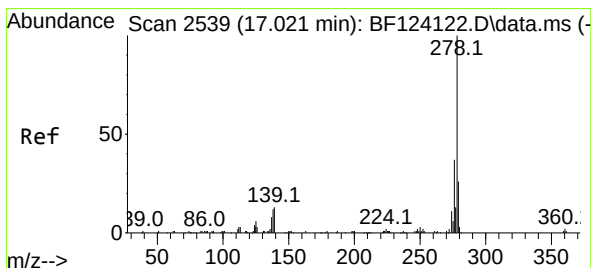
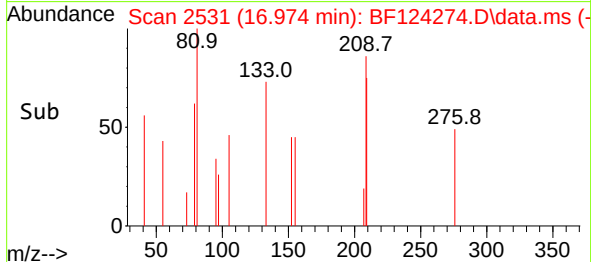
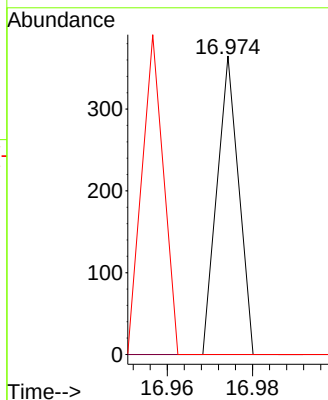
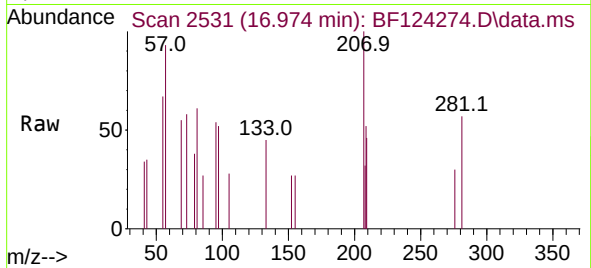




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.35 ng  
RT: 16.974 min Scan# 2531  
Delta R.T. -0.006 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:276 Resp: 129  
Ion Ratio Lower Upper  
276 100  
138 0.0 16.2 24.2#  
277 107.0 20.1 30.1#



#91  
Dibenzo(a,h)anthracene  
Concen: 4.20 ng  
RT: 16.980 min Scan# 2532  
Delta R.T. -0.011 min  
Lab File: BF124274.D  
Acq: 11 Jun 2021 22:19

Tgt Ion:278 Resp: 140  
Ion Ratio Lower Upper  
278 100  
139 0.0 10.2 15.2#  
279 0.0 19.4 29.0#

