

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031122\  
 Data File : BP009362.D  
 Acq On : 11 Mar 2022 13:29  
 Operator : CG/JU  
 Sample : N1864-13  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MB-B1-030922-2-4

Quant Time: Mar 12 04:49:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 05 01:55:59 2022  
 Response via : Initial Calibration

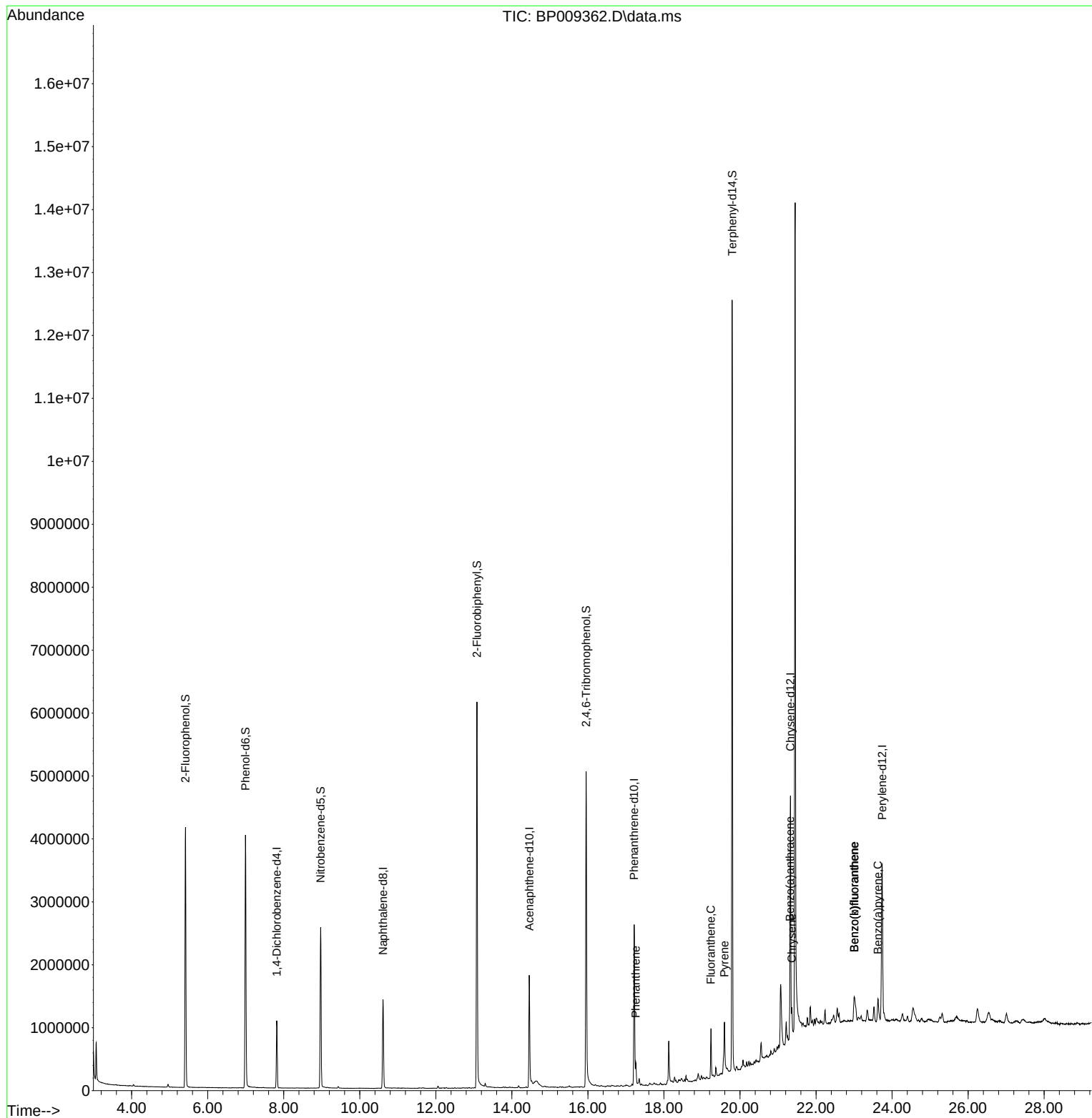
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.816  | 152  | 325752   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.610 | 136  | 1295391  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.457 | 164  | 803451   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.216 | 188  | 1762531  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.327 | 240  | 1921198  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 23.739 | 264  | 2113026  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.417  | 112  | 2046862  | 91.719  | ng    | 0.00     |
| 7) Phenol-d6                | 6.993  | 99   | 2630742  | 92.763  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.969  | 82   | 1666803  | 70.871  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.951 | 330  | 1284521  | 132.402 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.081 | 172  | 3704280  | 63.403  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.792 | 244  | 6380591  | 62.674  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 17.257 | 178  | 210988   | 2.083   | ng    | 98       |
| 75) Fluoranthene            | 19.233 | 202  | 479963   | 4.105   | ng    | 98       |
| 78) Pyrene                  | 19.592 | 202  | 457367   | 3.526   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.310 | 228  | 291573   | 2.239   | ng    | 98       |
| 83) Chrysene                | 21.363 | 228  | 269326   | 2.130   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.004 | 252  | 529788   | 3.713   | ng    | 96       |
| 89) Benzo(k)fluoranthene    | 23.004 | 252  | 529788   | 3.887   | ng    | 96       |
| 90) Benzo(a)pyrene          | 23.627 | 252  | 286208   | 2.115   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

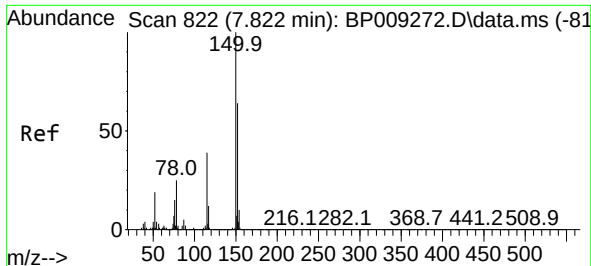
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 12 04:49:41 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 05 01:55:59 2022  
Response via : Initial Calibration

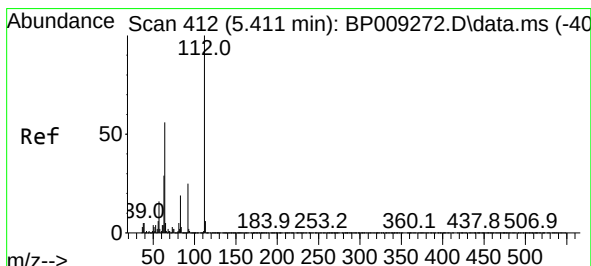
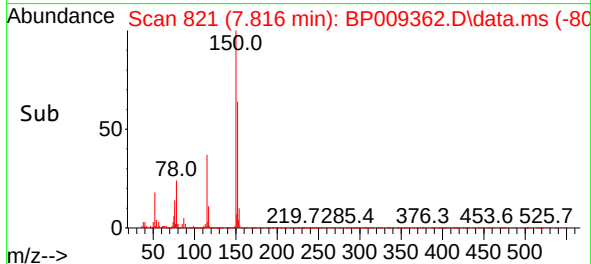
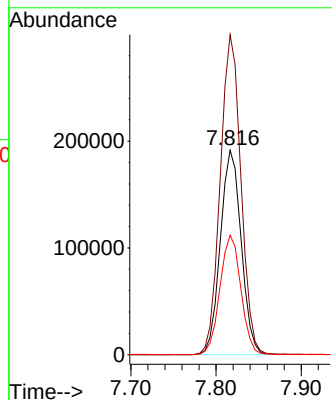
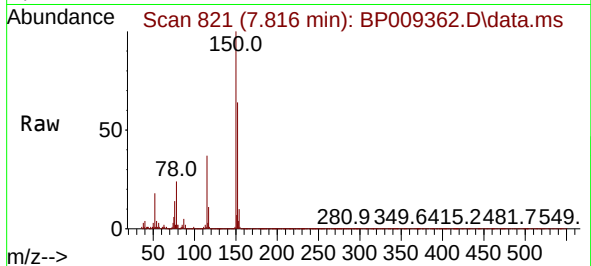




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.816 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

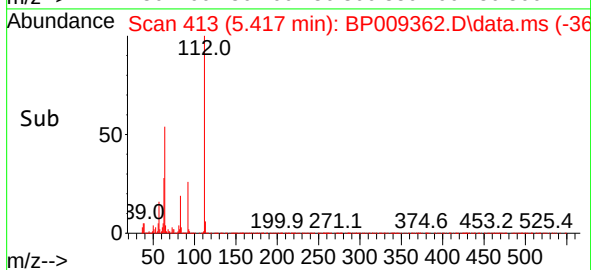
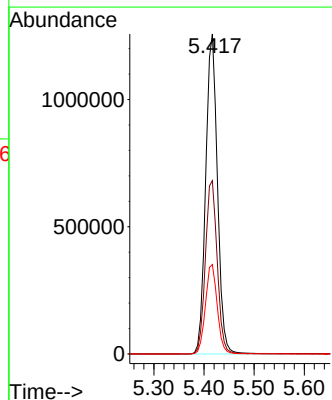
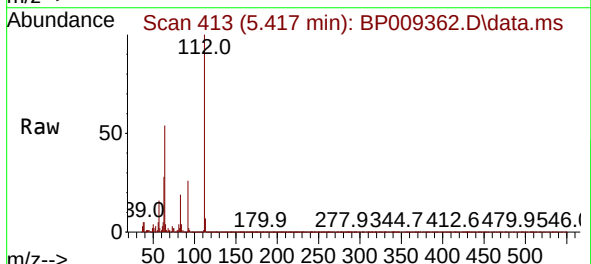
Instrument :  
BNA\_P  
ClientSampleId :  
MB-B1-030922-2-4

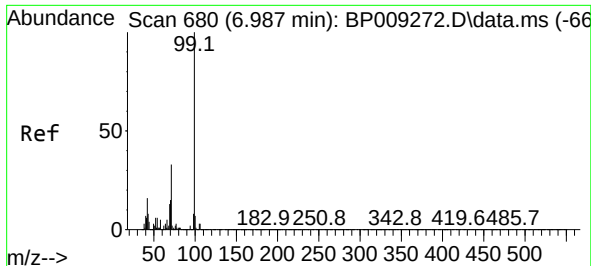
Tgt Ion:152 Resp: 325752  
Ion Ratio Lower Upper  
152 100  
150 156.5 124.5 186.7  
115 58.5 48.2 72.4



#5  
2-Fluorophenol  
Concen: 91.719 ng  
RT: 5.417 min Scan# 413  
Delta R.T. 0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion:112 Resp: 2046862  
Ion Ratio Lower Upper  
112 100  
64 54.2 45.0 67.4  
63 28.0 23.0 34.6

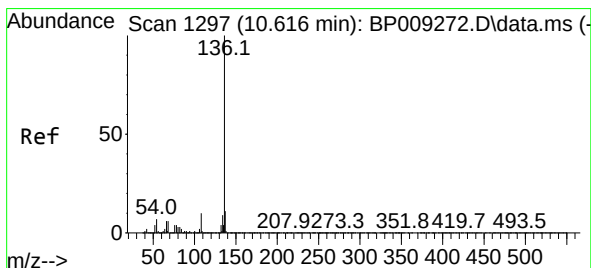
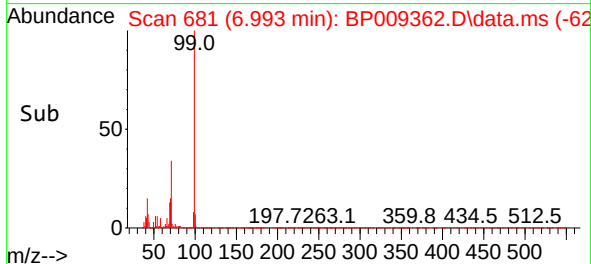
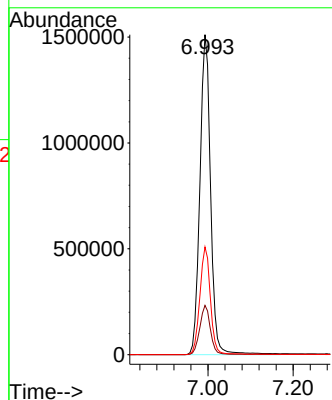
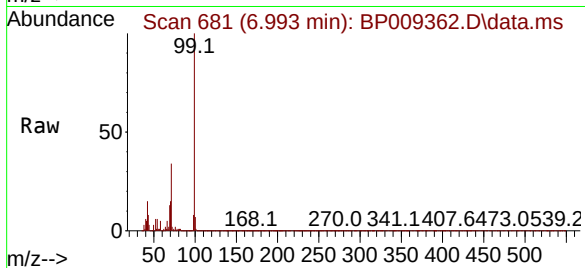




#7  
Phenol-d6  
Concen: 92.763 ng  
RT: 6.993 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

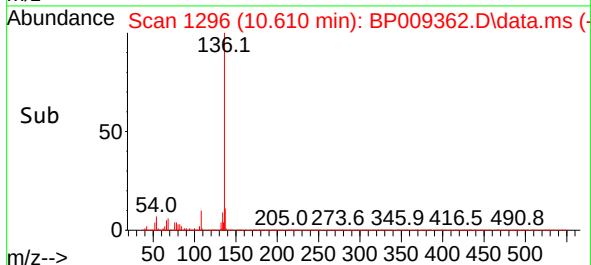
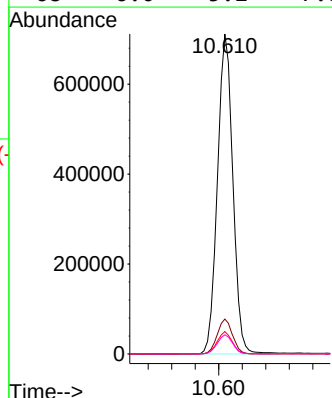
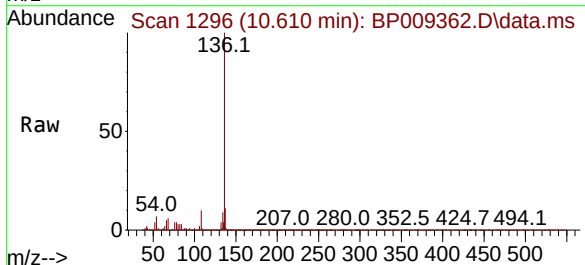
Instrument :  
BNA\_P  
ClientSampleId :  
MB-B1-030922-2-4

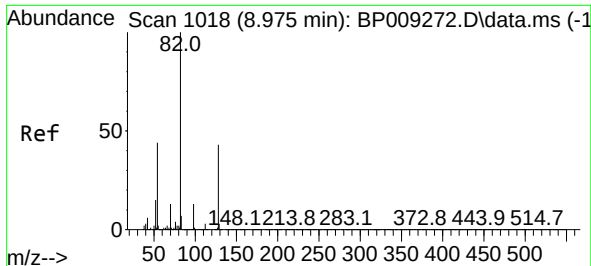
Tgt Ion: 99 Resp: 2630742  
Ion Ratio Lower Upper  
99 100  
42 15.4 12.8 19.2  
71 33.7 26.3 39.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.610 min Scan# 1296  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion:136 Resp: 1295391  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 7.0 5.8 8.8  
68 6.0 5.2 7.8

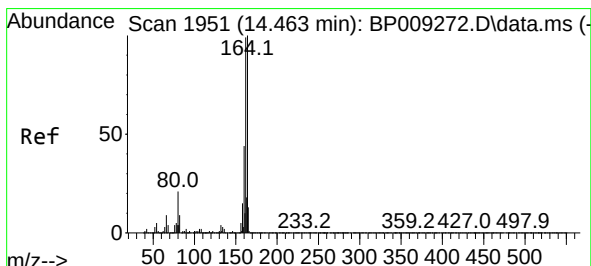
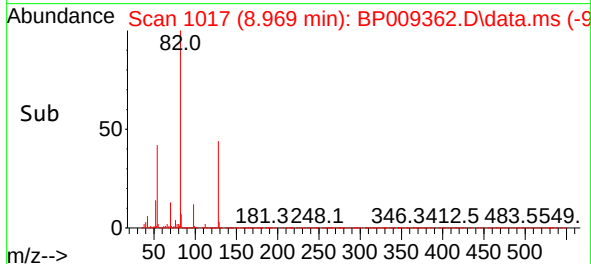
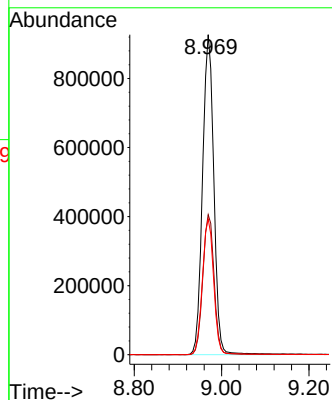
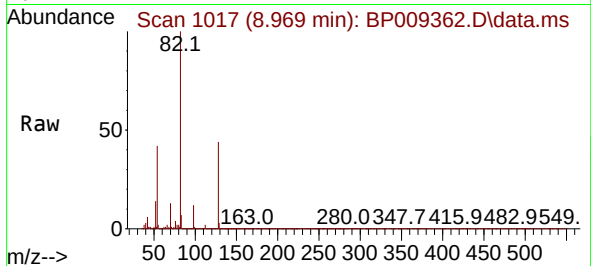




#23  
Nitrobenzene-d5  
Concen: 70.871 ng  
RT: 8.969 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

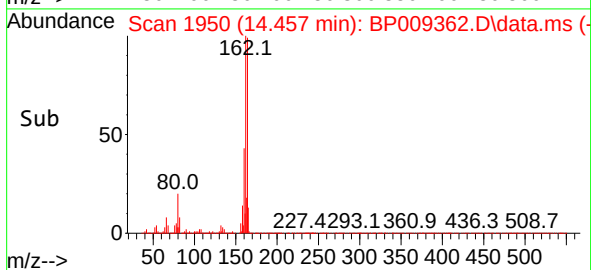
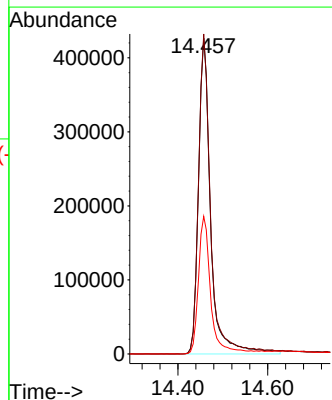
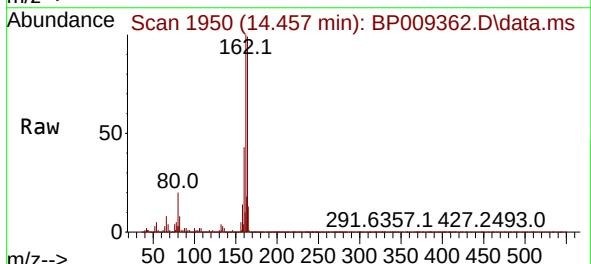
Instrument :  
BNA\_P  
ClientSampleId :  
MB-B1-030922-2-4

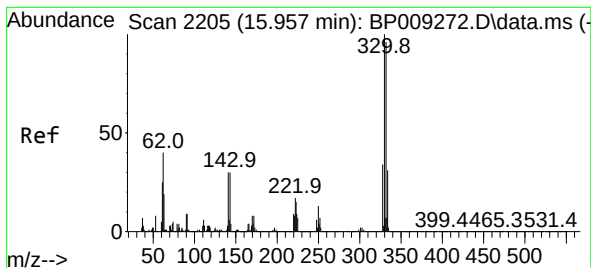
Tgt Ion: 82 Resp: 1666803  
Ion Ratio Lower Upper  
82 100  
128 43.8 34.2 51.4  
54 42.4 34.7 52.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1950  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion: 164 Resp: 803451  
Ion Ratio Lower Upper  
164 100  
162 101.3 79.1 118.7  
160 43.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 132.402 ng

RT: 15.951 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009362.D

Acq: 11 Mar 2022 13:29

Instrument :

BNA\_P

ClientSampleId :

MB-B1-030922-2-4

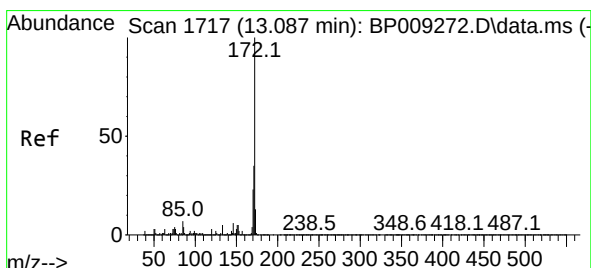
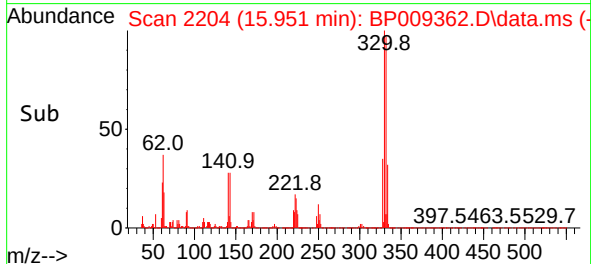
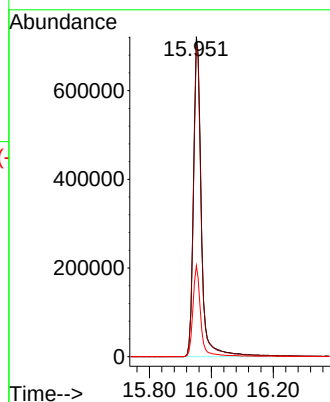
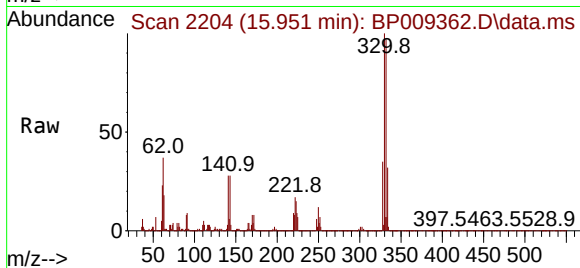
Tgt Ion:330 Resp: 1284521

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 27.3 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 63.403 ng

RT: 13.081 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP009362.D

Acq: 11 Mar 2022 13:29

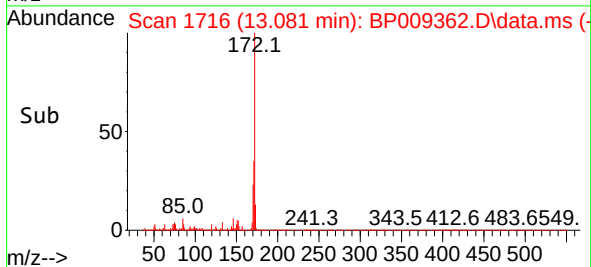
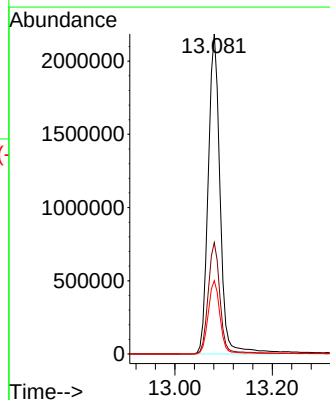
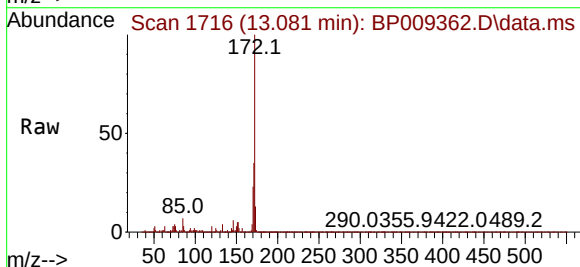
Tgt Ion:172 Resp: 3704280

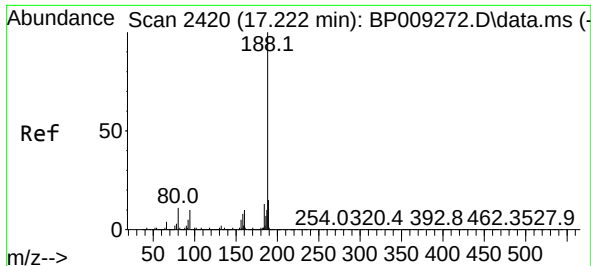
Ion Ratio Lower Upper

172 100

171 34.8 28.0 42.0

170 22.9 18.6 27.8

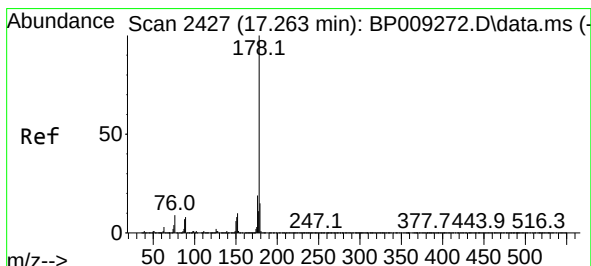
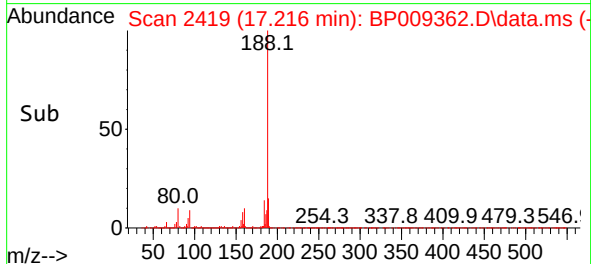
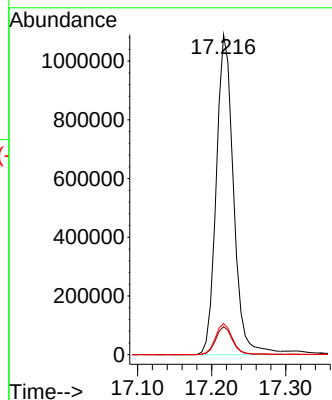
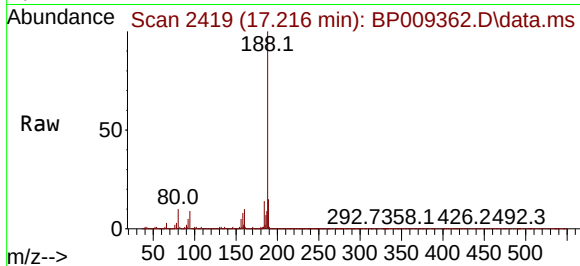




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.216 min Scan# 2419  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

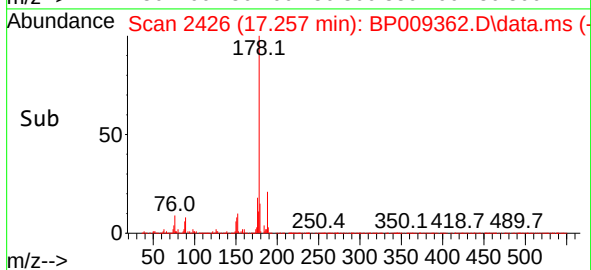
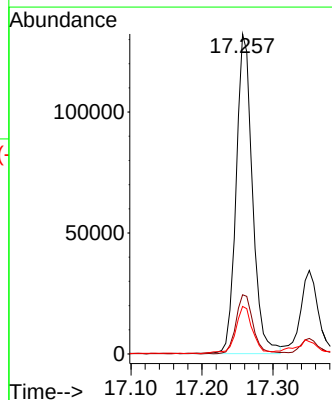
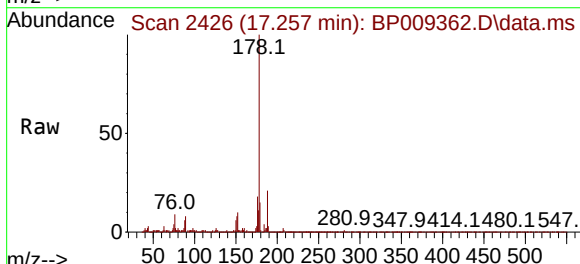
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MB-B1-030922-2-4

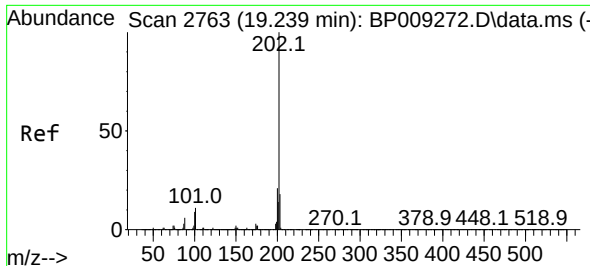
Tgt Ion:188 Resp: 1762531  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.9 11.9  
80 9.8 8.8 13.2



#71  
Phenanthrene  
Concen: 2.083 ng  
RT: 17.257 min Scan# 2426  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion:178 Resp: 210988  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.4 23.2  
179 14.9 12.3 18.5

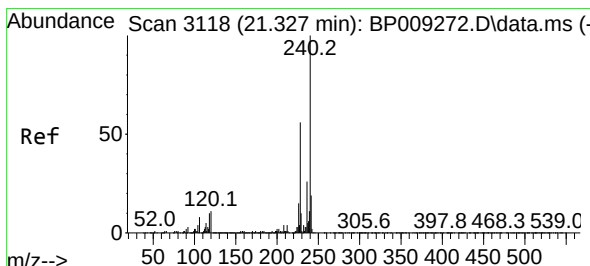
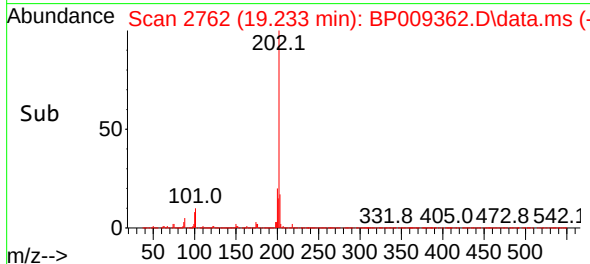
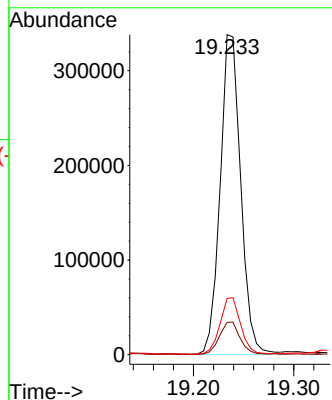
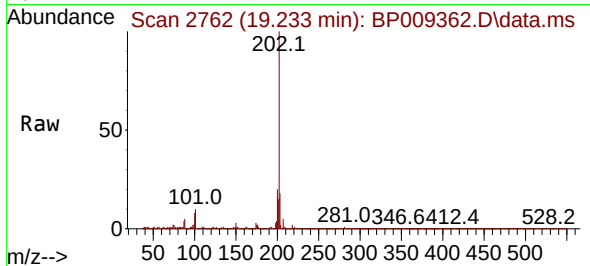




#75  
Fluoranthene  
Concen: 4.105 ng  
RT: 19.233 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

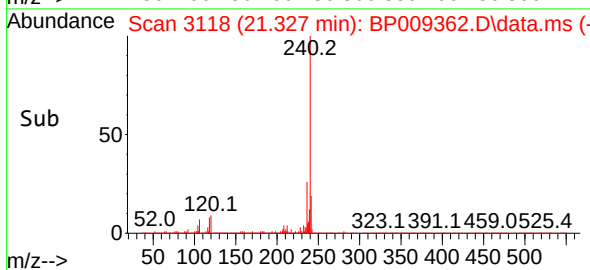
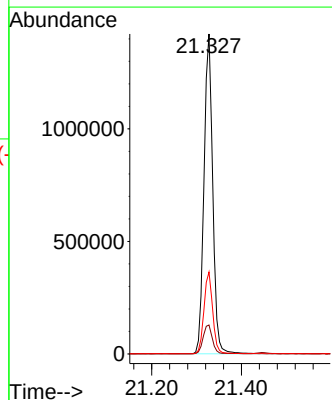
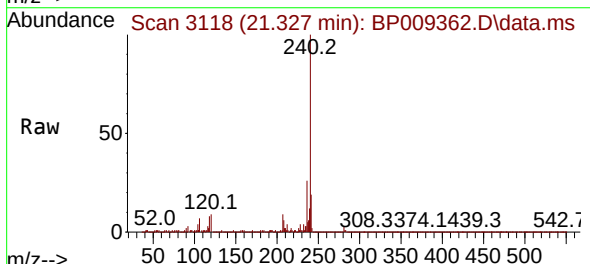
Instrument :  
BNA\_P  
ClientSampleId :  
MB-B1-030922-2-4

Tgt Ion:202 Resp: 479963  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 31.5  
203 17.6 0.0 37.8

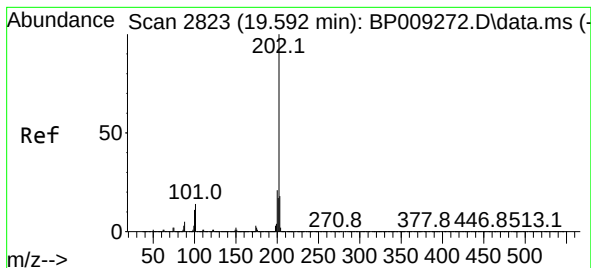


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.327 min Scan# 3118  
Delta R.T. 0.000 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion:240 Resp: 1921198  
Ion Ratio Lower Upper  
240 100  
120 9.1 9.0 13.4  
236 25.6 20.6 30.8







#78

Pyrene

Concen: 3.526 ng

RT: 19.592 min Scan# 2823

Delta R.T. 0.000 min

Lab File: BP009362.D

Acq: 11 Mar 2022 13:29

Instrument :

BNA\_P

ClientSampleId :

MB-B1-030922-2-4

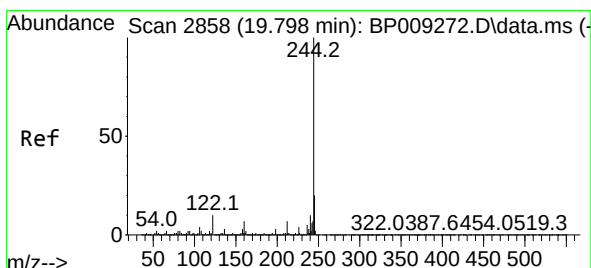
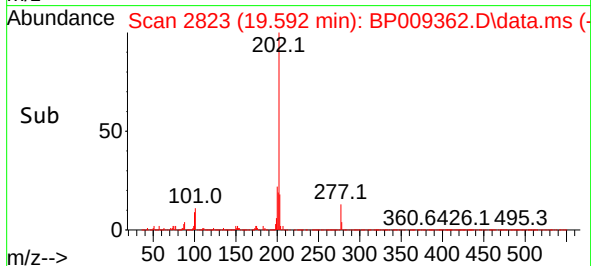
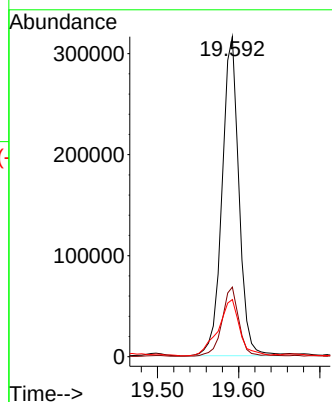
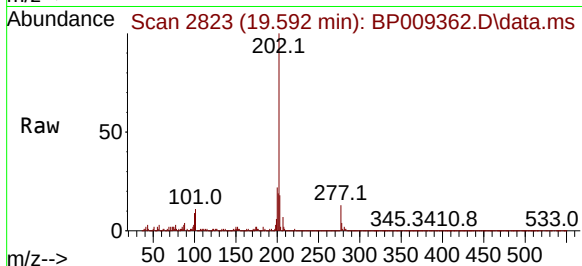
Tgt Ion:202 Resp: 457367

Ion Ratio Lower Upper

202 100

200 21.7 16.8 25.2

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 62.674 ng

RT: 19.792 min Scan# 2857

Delta R.T. -0.006 min

Lab File: BP009362.D

Acq: 11 Mar 2022 13:29

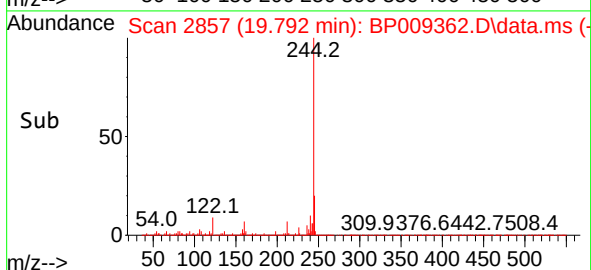
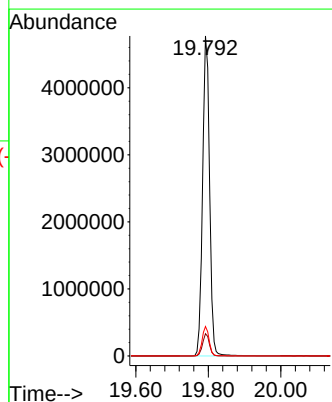
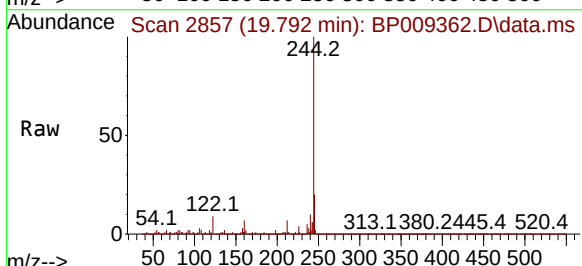
Tgt Ion:244 Resp: 6380591

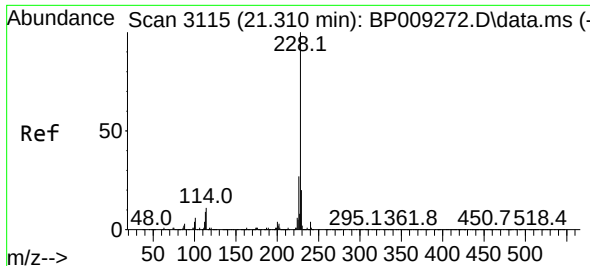
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 9.2 8.3 12.5

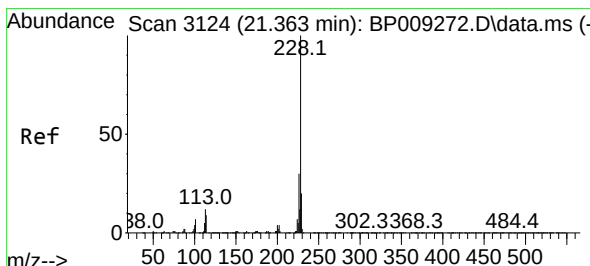
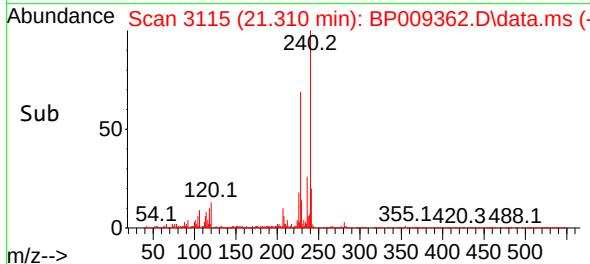
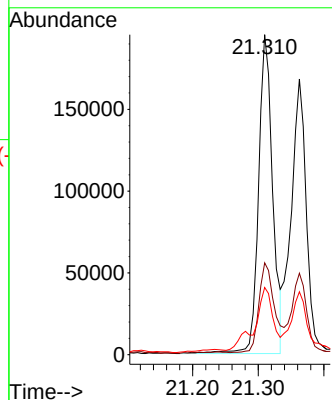
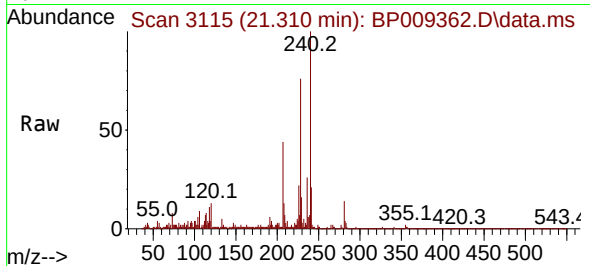




#81  
Benzo(a)anthracene  
Concen: 2.239 ng  
RT: 21.310 min Scan# 3115  
Delta R.T. 0.000 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

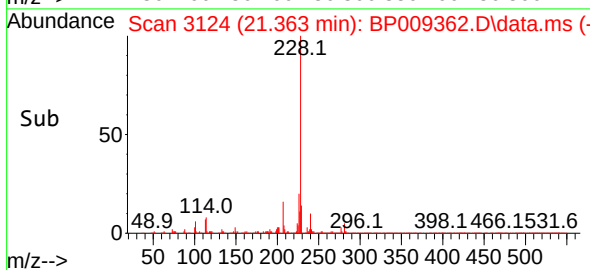
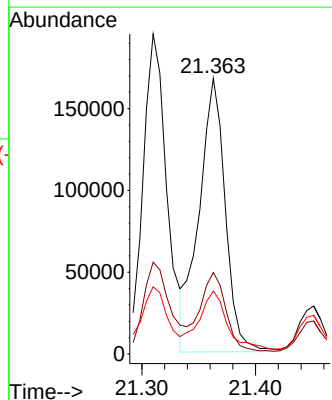
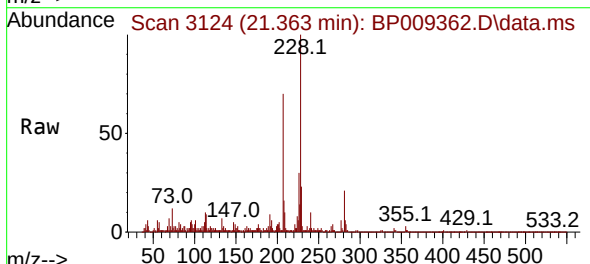
Instrument :  
BNA\_P  
ClientSampleId :  
MB-B1-030922-2-4

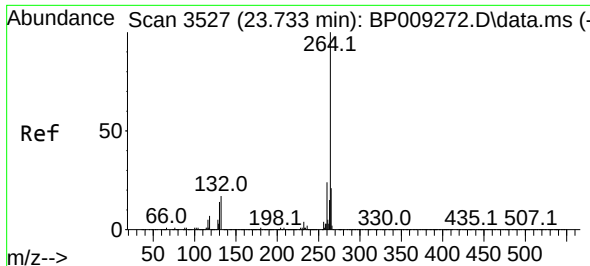
Tgt Ion:228 Resp: 291573  
Ion Ratio Lower Upper  
228 100  
226 28.7 22.0 33.0  
229 21.0 16.1 24.1



#83  
Chrysene  
Concen: 2.130 ng  
RT: 21.363 min Scan# 3124  
Delta R.T. 0.000 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion:228 Resp: 269326  
Ion Ratio Lower Upper  
228 100  
226 29.5 24.2 36.2  
229 22.8 16.1 24.1

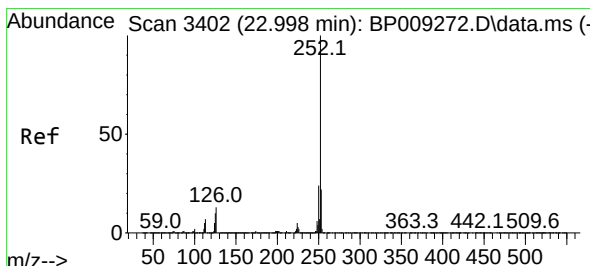
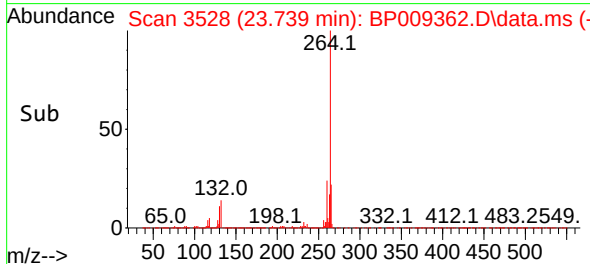
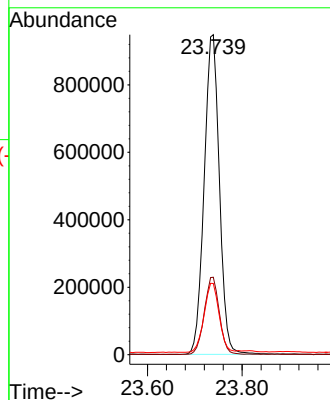
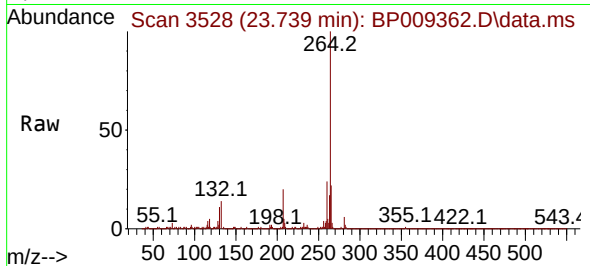




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.739 min Scan# 31  
 Delta R.T. 0.006 min  
 Lab File: BP009362.D  
 Acq: 11 Mar 2022 13:29

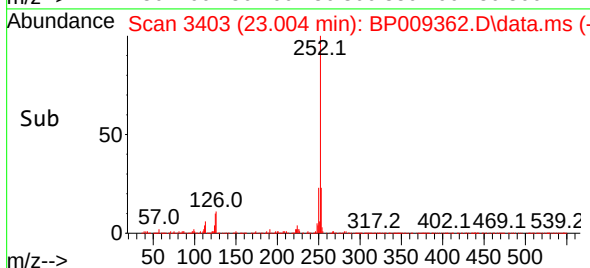
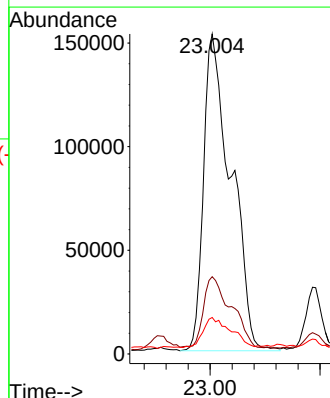
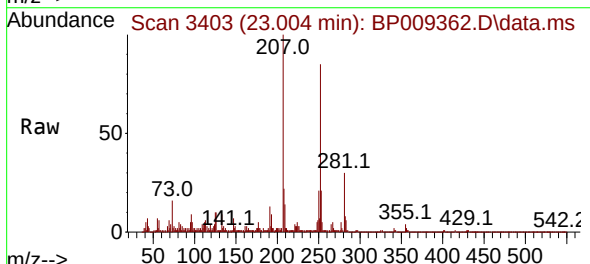
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MB-B1-030922-2-4

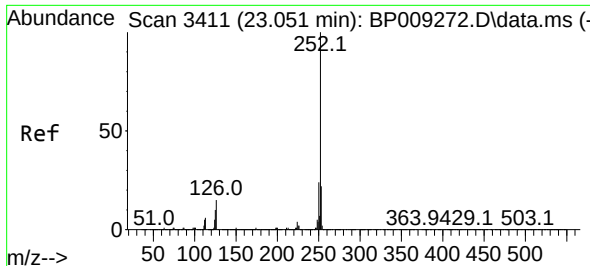
Tgt Ion:264 Resp: 2113026  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.0  
 265 22.3 17.2 25.8



#88  
 Benzo(b)fluoranthene  
 Concen: 3.713 ng  
 RT: 23.004 min Scan# 3403  
 Delta R.T. 0.006 min  
 Lab File: BP009362.D  
 Acq: 11 Mar 2022 13:29

Tgt Ion:252 Resp: 529788  
 Ion Ratio Lower Upper  
 252 100  
 253 24.1 17.8 26.8  
 125 11.4 8.1 12.1

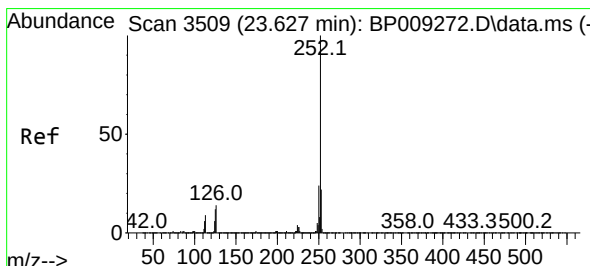
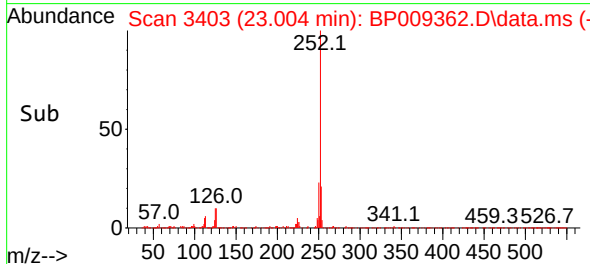
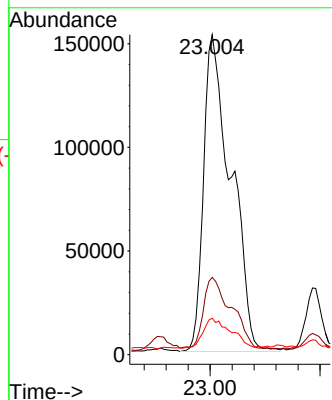
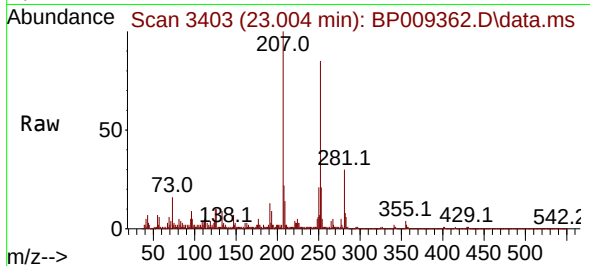




#89  
Benzo(k)fluoranthene  
Concen: 3.887 ng  
RT: 23.004 min Scan# 3411  
Delta R.T. -0.047 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Instrument :  
BNA\_P  
ClientSampleId :  
MB-B1-030922-2-4

Tgt Ion:252 Resp: 529788  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.5 26.3  
125 11.4 8.3 12.5



#90  
Benzo(a)pyrene  
Concen: 2.115 ng  
RT: 23.627 min Scan# 3509  
Delta R.T. 0.000 min  
Lab File: BP009362.D  
Acq: 11 Mar 2022 13:29

Tgt Ion:252 Resp: 286208  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.8 26.6  
125 11.8 9.3 13.9

