

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092921\  
 Data File : BP007249.D  
 Acq On : 29 Sep 2021 17:04  
 Operator : CG/JU  
 Sample : M3972-01 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OK-03-092821

Quant Time: Sep 29 18:43:07 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 29 14:45:49 2021  
 Response via : Initial Calibration

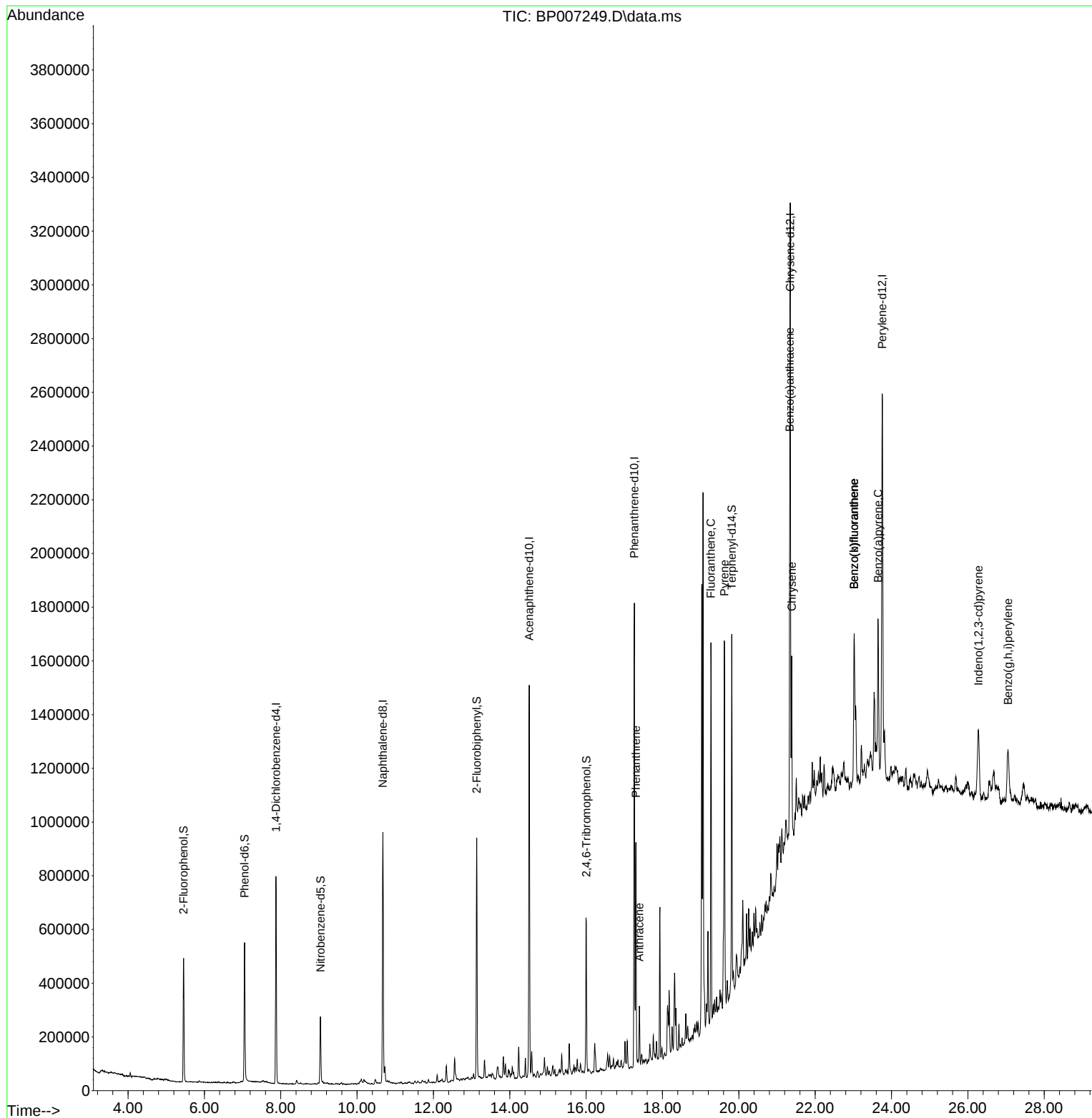
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.875  | 152  | 225392   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.675 | 136  | 819977   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.510 | 164  | 522541   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.263 | 188  | 1041283  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.345 | 240  | 1016994  | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 23.757 | 264  | 1117103  | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.458  | 112  | 222668   | 16.537 | ng    | 0.00     |
| 7) Phenol-d6                | 7.052  | 99   | 334193   | 18.160 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.040  | 82   | 154599   | 10.980 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.004 | 330  | 121305   | 17.906 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.134 | 172  | 493577   | 13.532 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.816 | 244  | 606898   | 11.435 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.304 | 178  | 497907   | 8.918  | ng    | 100      |
| 72) Anthracene              | 17.392 | 178  | 146096   | 2.675  | ng    | 98       |
| 75) Fluoranthene            | 19.269 | 202  | 801548   | 12.461 | ng    | 98       |
| 78) Pyrene                  | 19.622 | 202  | 827964   | 12.409 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.333 | 228  | 422710   | 6.403  | ng    | 96       |
| 83) Chrysene                | 21.386 | 228  | 386902   | 6.132  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.274 | 276  | 267829   | 3.336  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 23.022 | 252  | 488411   | 7.316  | ng    | # 94     |
| 89) Benzo(k)fluoranthene    | 23.022 | 252  | 488411   | 7.226  | ng    | # 94     |
| 90) Benzo(a)pyrene          | 23.651 | 252  | 409823   | 7.226  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 27.051 | 276  | 270166   | 4.115  | ng    | # 92     |
| -----                       |        |      |          |        |       |          |

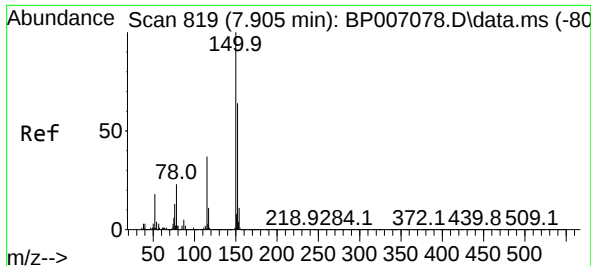
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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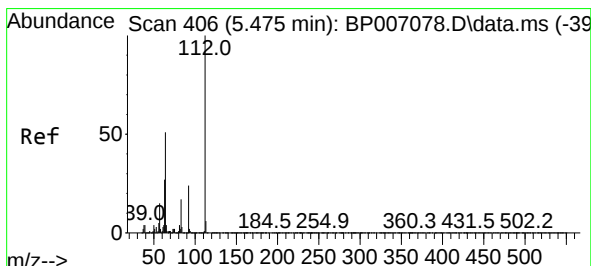
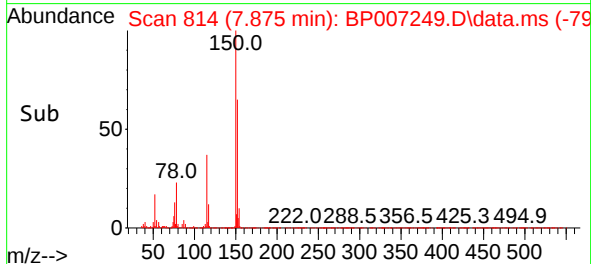
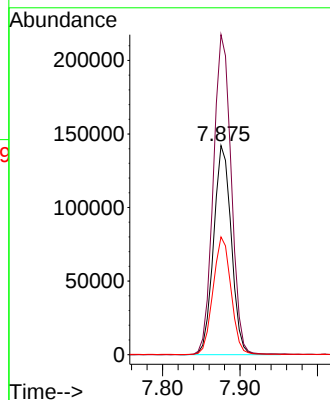
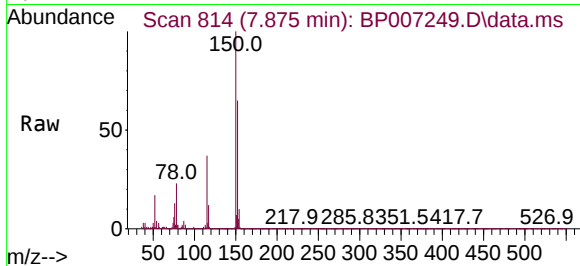




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.875 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

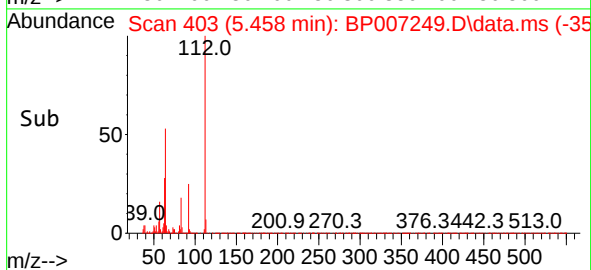
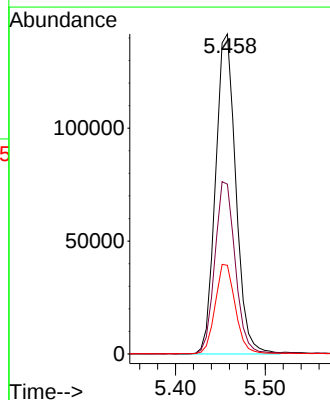
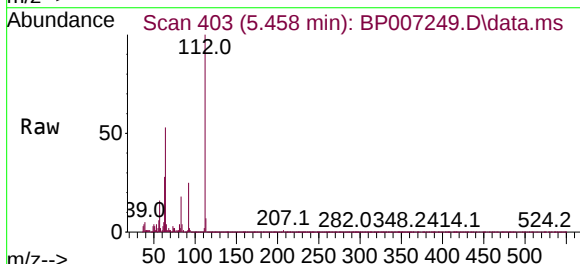
Instrument :  
BNA\_P  
ClientSampleId :  
OK-03-092821

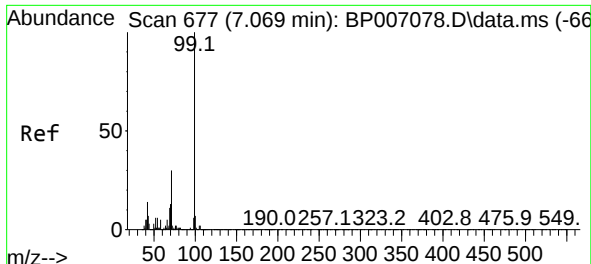
Tgt Ion:152 Resp: 225392  
Ion Ratio Lower Upper  
152 100  
150 153.1 125.6 188.4  
115 56.3 48.5 72.7



#5  
2-Fluorophenol  
Concen: 16.537 ng  
RT: 5.458 min Scan# 403  
Delta R.T. 0.006 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

Tgt Ion:112 Resp: 222668  
Ion Ratio Lower Upper  
112 100  
64 53.0 41.4 62.2  
63 27.7 23.8 35.8

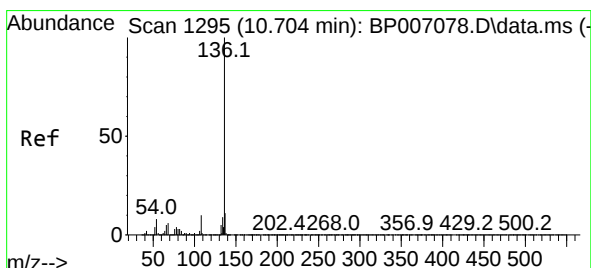
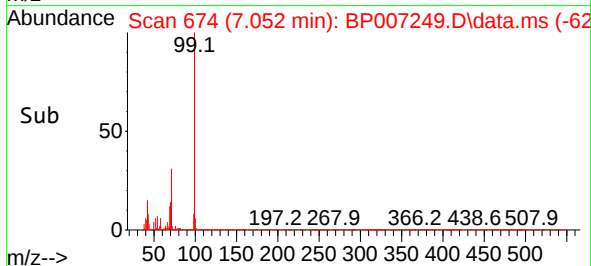
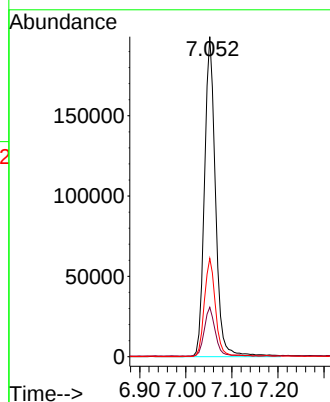
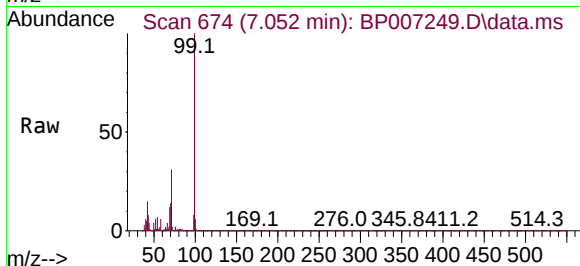




#7  
Phenol-d6  
Concen: 18.160 ng  
RT: 7.052 min Scan# 674  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

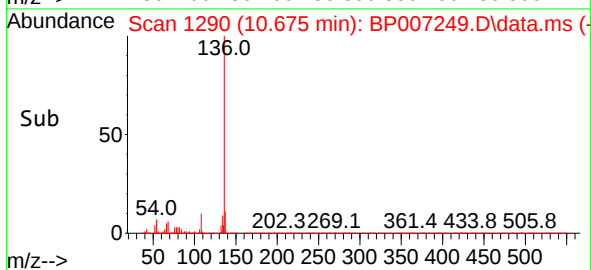
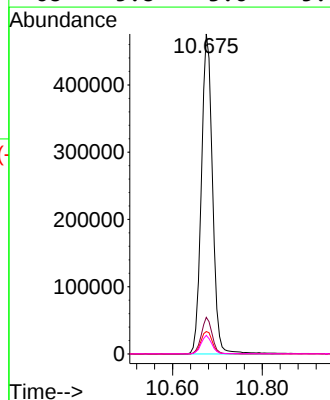
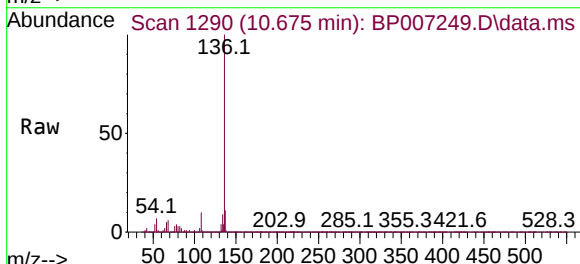
Instrument :  
BNA\_P  
ClientSampleId :  
OK-03-092821

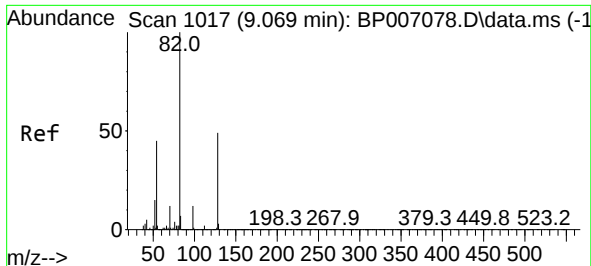
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 334193 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 15.4  | 13.4  | 20.0   |
| 71       | 30.7  | 30.6  | 46.0   |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.675 min Scan# 1290  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 819977 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.6   | 12.8   |
| 54       | 7.0   | 4.6   | 6.8#   |
| 68       | 5.8   | 3.6   | 5.4#   |

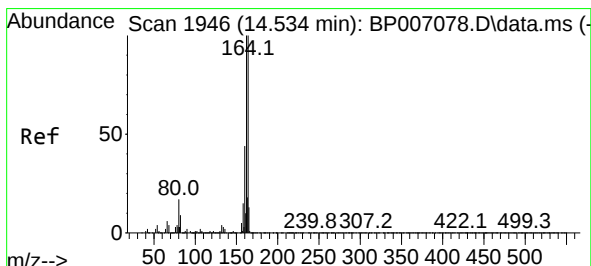
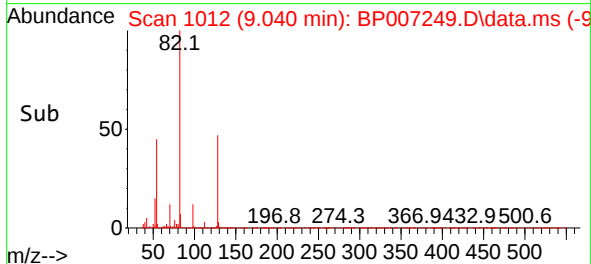
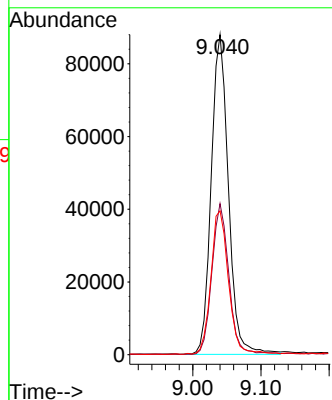
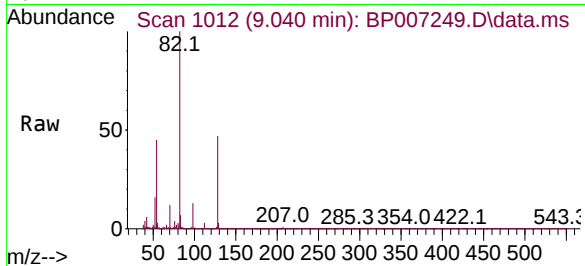




#23  
Nitrobenzene-d5  
Concen: 10.980 ng  
RT: 9.040 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

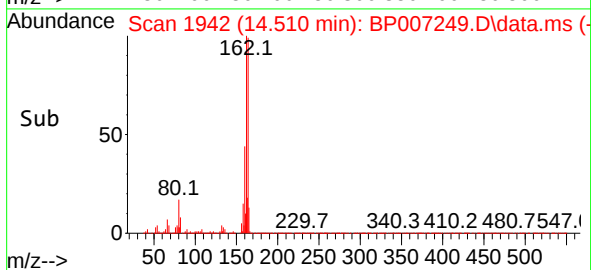
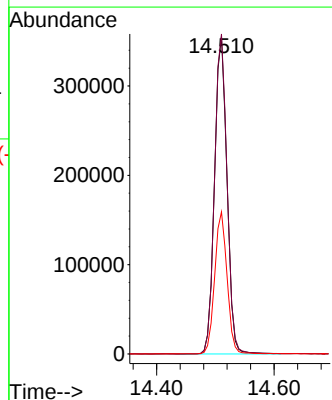
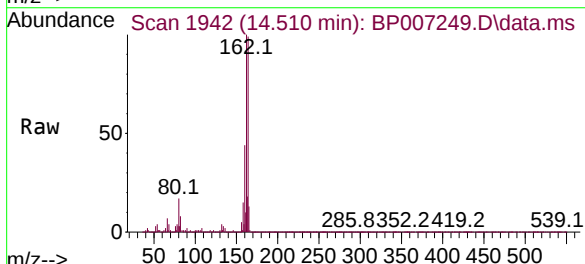
Instrument :  
BNA\_P  
ClientSampleId :  
OK-03-092821

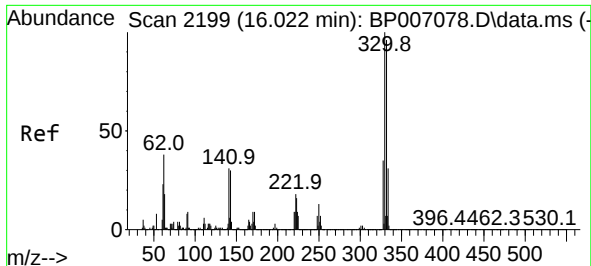
Tgt Ion: 82 Resp: 154599  
Ion Ratio Lower Upper  
82 100  
128 47.2 35.7 53.5  
54 44.9 35.0 52.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.510 min Scan# 1942  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

Tgt Ion: 164 Resp: 522541  
Ion Ratio Lower Upper  
164 100  
162 100.8 80.2 120.2  
160 44.8 34.5 51.7

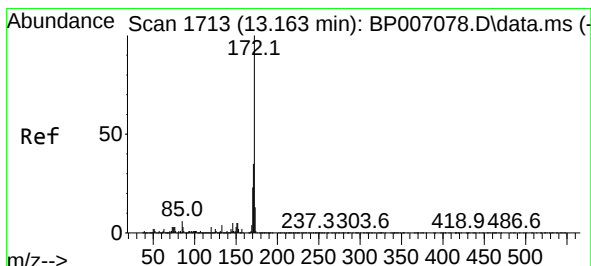
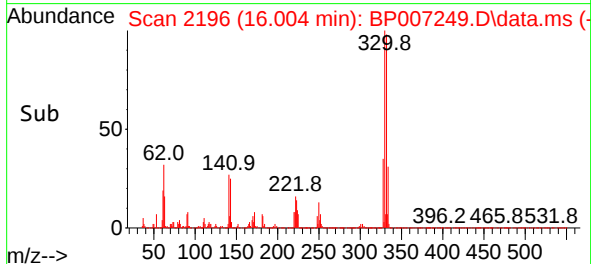
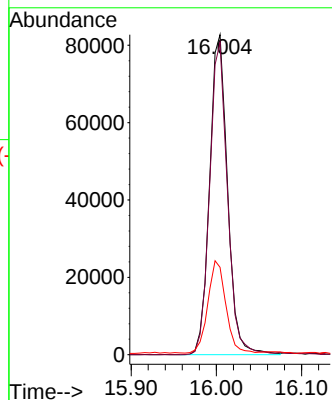
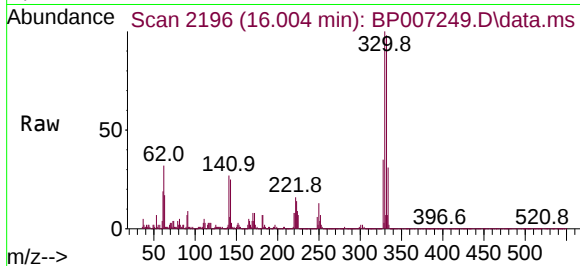




#42  
2,4,6-Tribromophenol  
Concen: 17.906 ng  
RT: 16.004 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

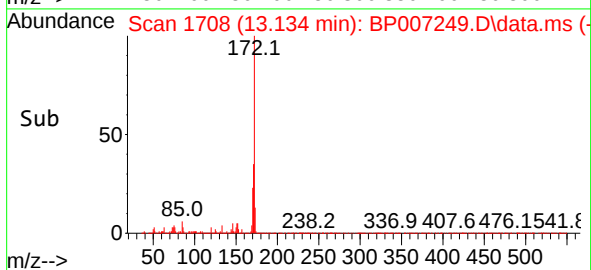
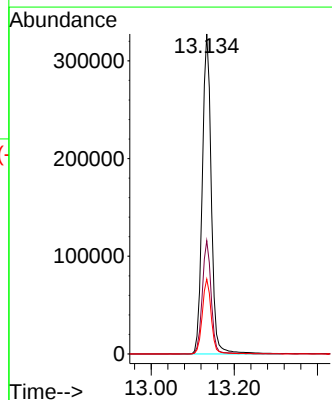
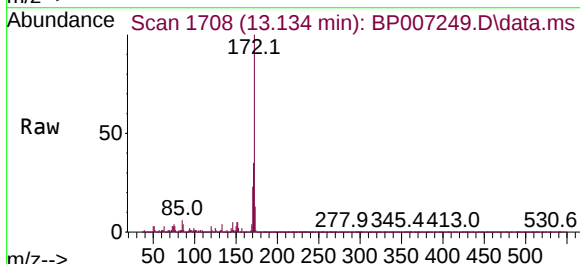
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BNA\_P  
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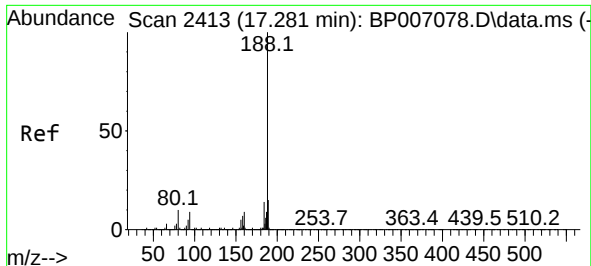
Tgt Ion:330 Resp: 121305  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.8 116.8  
141 28.8 25.4 38.2



#45  
2-Fluorobiphenyl  
Concen: 13.532 ng  
RT: 13.134 min Scan# 1708  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

Tgt Ion:172 Resp: 493577  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.9 41.9  
170 23.4 18.6 27.8

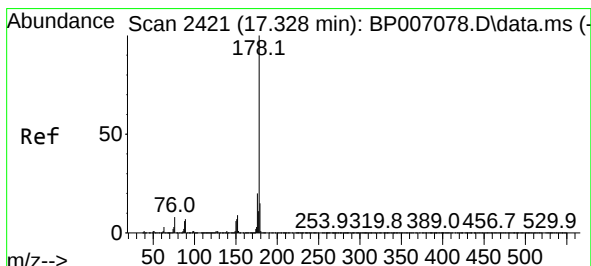
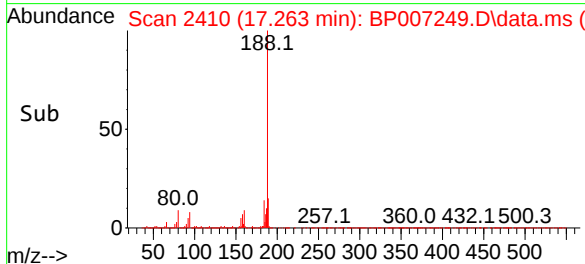
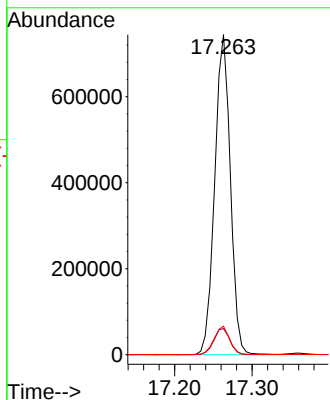
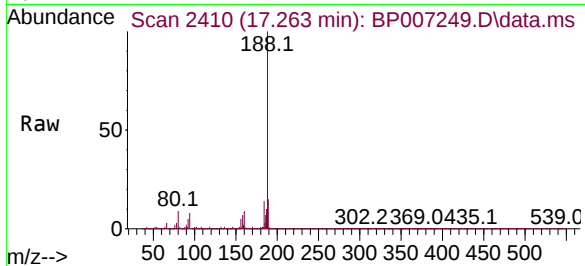




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.263 min Scan# 2410  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

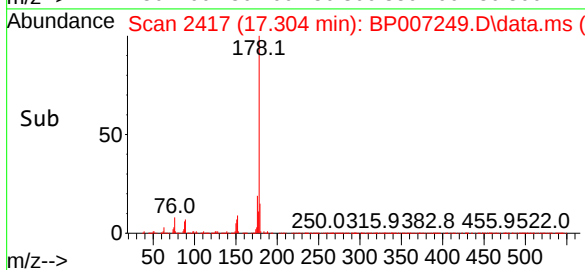
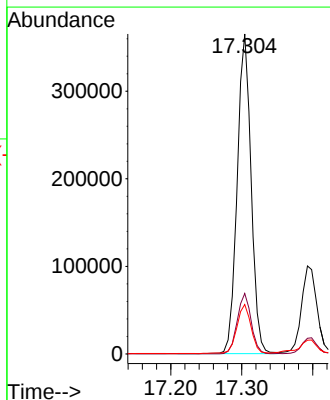
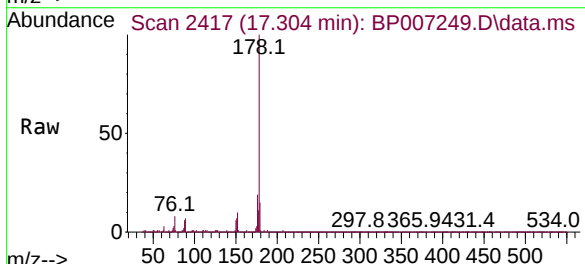
Instrument :  
BNA\_P  
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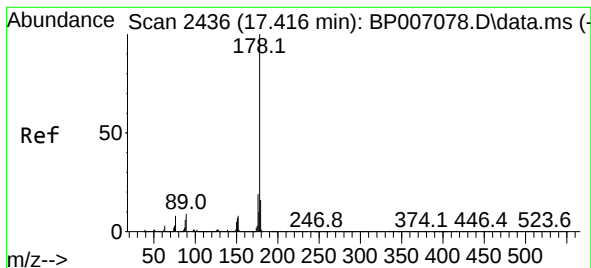
Tgt Ion:188 Resp: 1041283  
Ion Ratio Lower Upper  
188 100  
94 8.2 5.6 8.4  
80 8.9 6.3 9.5



#71  
Phenanthrene  
Concen: 8.918 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

Tgt Ion:178 Resp: 497907  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.4 12.4 18.6





#72

Anthracene

Concen: 2.675 ng

RT: 17.392 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

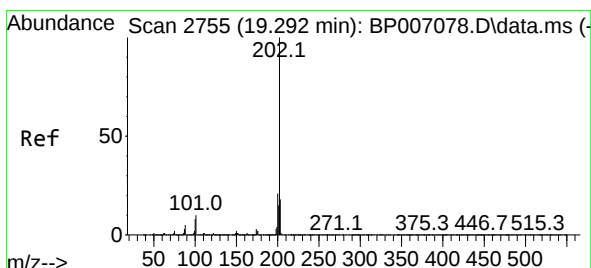
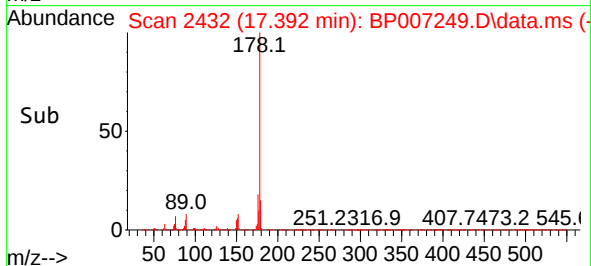
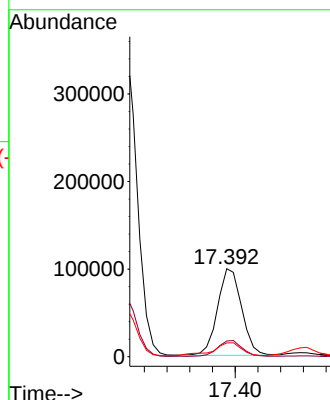
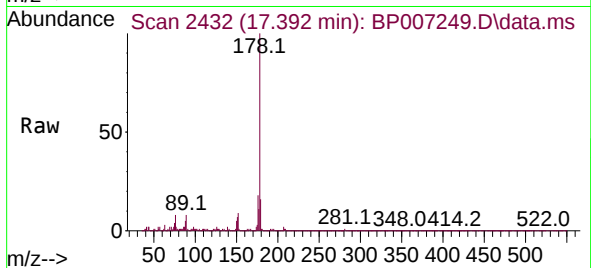
Instrument :

BNA\_P

ClientSampleId :

OK-03-092821

|             |              |
|-------------|--------------|
| Tgt Ion:178 | Resp: 146096 |
| Ion Ratio   | Lower Upper  |
| 178 100     |              |
| 176 17.8    | 14.9 22.3    |
| 179 15.7    | 12.2 18.2    |



#75

Fluoranthene

Concen: 12.461 ng

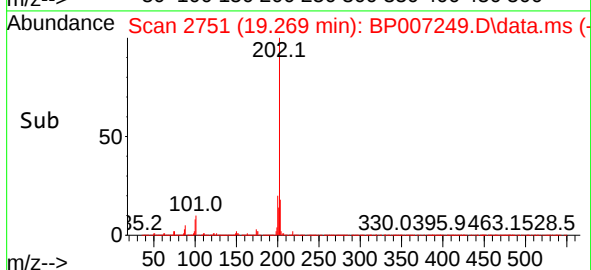
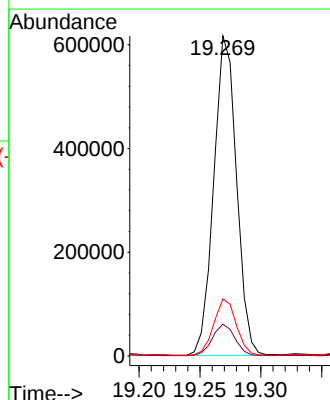
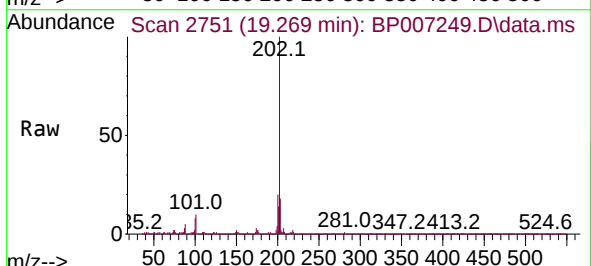
RT: 19.269 min Scan# 2751

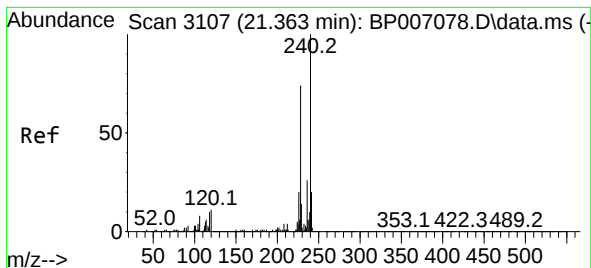
Delta R.T. -0.006 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 801548 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 101 10.0    | 0.0 27.6     |
| 203 17.8    | 0.0 37.8     |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.345 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

Instrument :

BNA\_P

ClientSampleId :

OK-03-092821

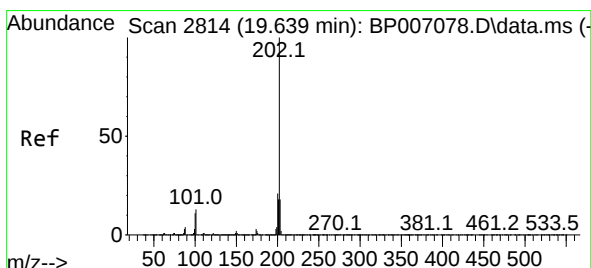
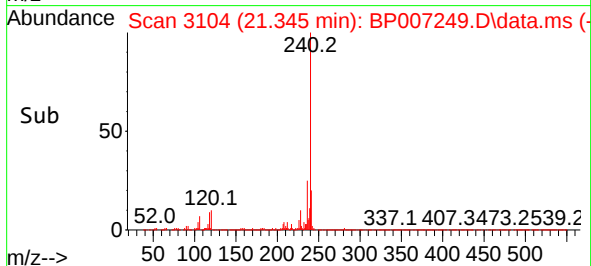
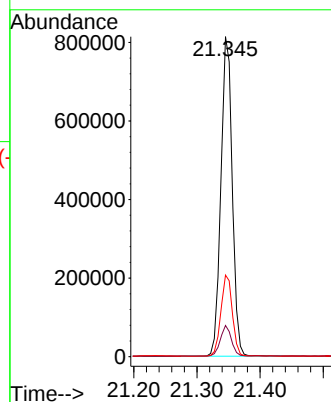
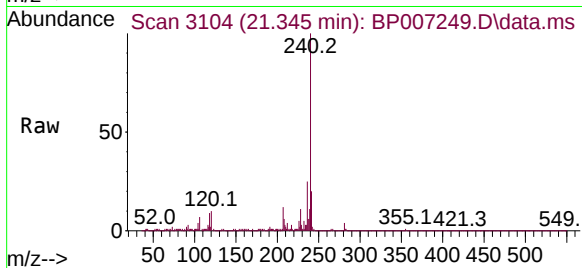
Tgt Ion:240 Resp: 1016994

Ion Ratio Lower Upper

240 100

120 9.7 6.5 9.7#

236 25.5 20.6 31.0



#78

Pyrene

Concen: 12.409 ng

RT: 19.622 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

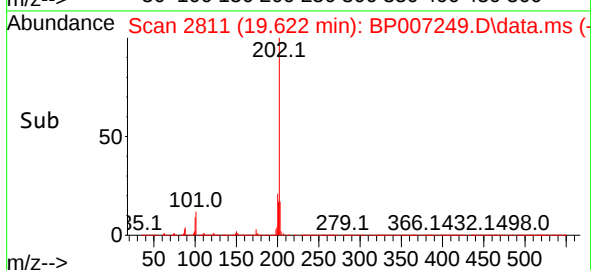
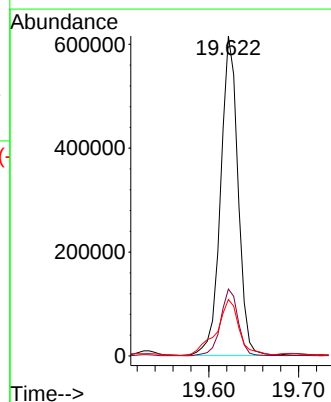
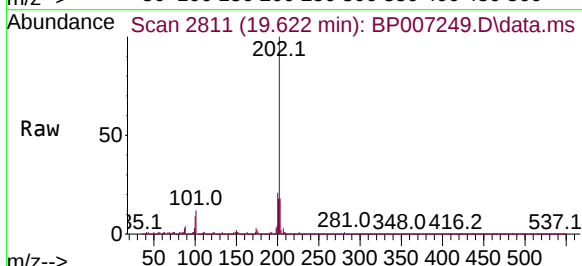
Tgt Ion:202 Resp: 827964

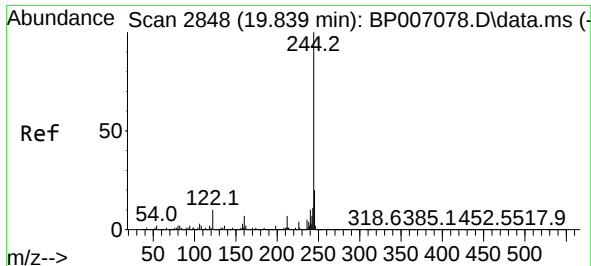
Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

203 17.7 14.2 21.2

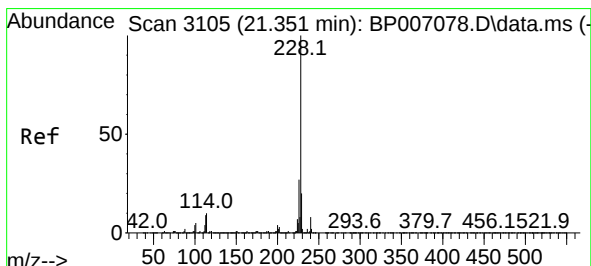
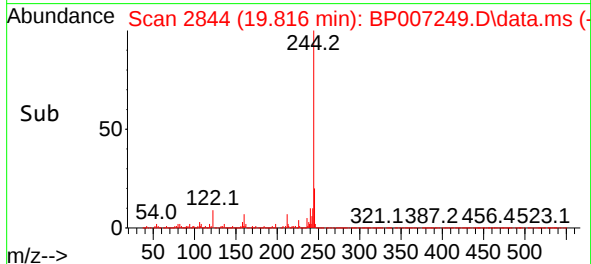
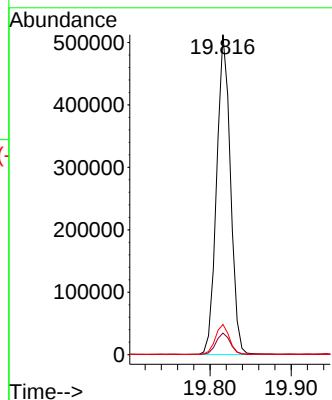
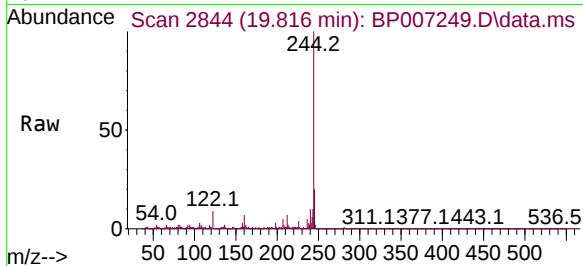




#79  
 Terphenyl-d14  
 Concen: 11.435 ng  
 RT: 19.816 min Scan# 2844  
 Delta R.T. -0.006 min  
 Lab File: BP007249.D  
 Acq: 29 Sep 2021 17:04

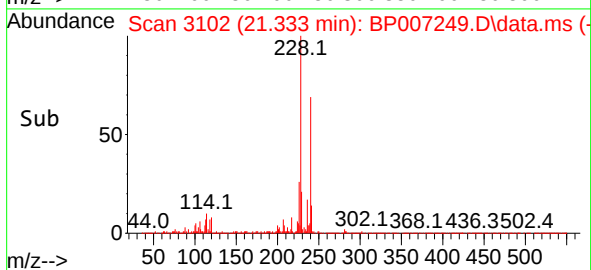
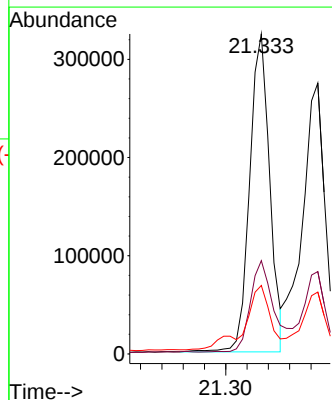
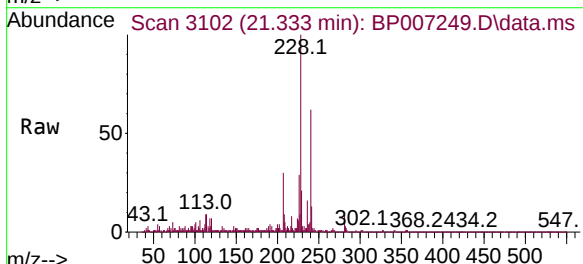
Instrument :  
 BNA\_P  
 ClientSampleId :  
 OK-03-092821

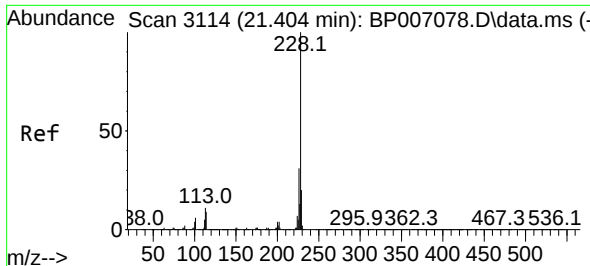
Tgt Ion:244 Resp: 606898  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.0 9.0  
 122 9.5 7.1 10.7



#81  
 Benzo(a)anthracene  
 Concen: 6.403 ng  
 RT: 21.333 min Scan# 3102  
 Delta R.T. -0.006 min  
 Lab File: BP007249.D  
 Acq: 29 Sep 2021 17:04

Tgt Ion:228 Resp: 422710  
 Ion Ratio Lower Upper  
 228 100  
 226 29.2 21.6 32.4  
 229 21.4 15.8 23.6

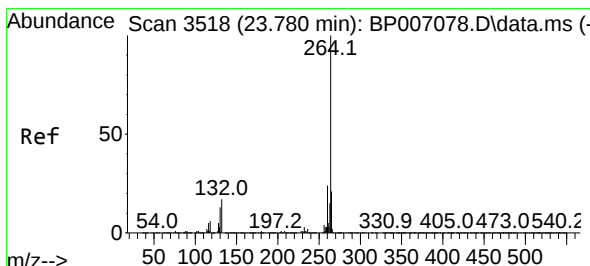
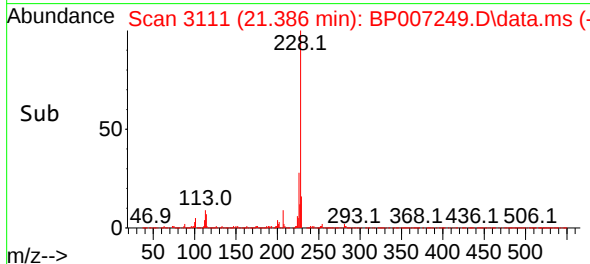
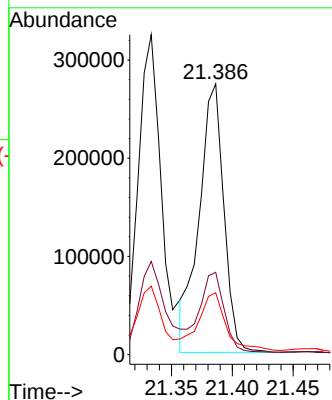
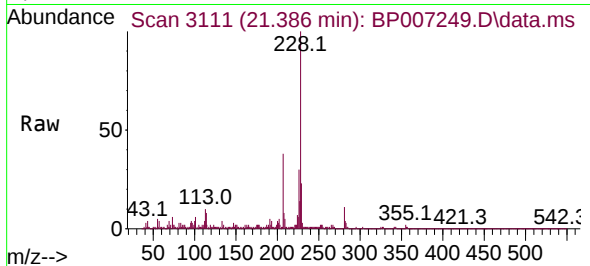




#83  
Chrysene  
Concen: 6.132 ng  
RT: 21.386 min Scan# 3111  
Delta R.T. -0.006 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

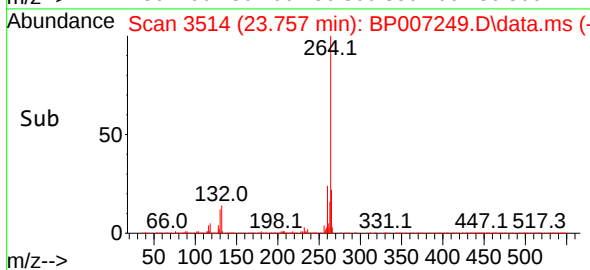
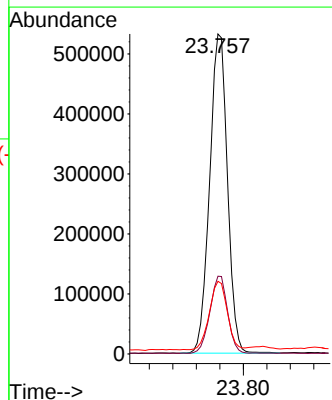
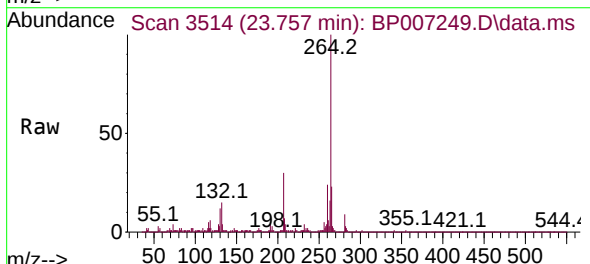
Instrument :  
BNA\_P  
ClientSampleId :  
OK-03-092821

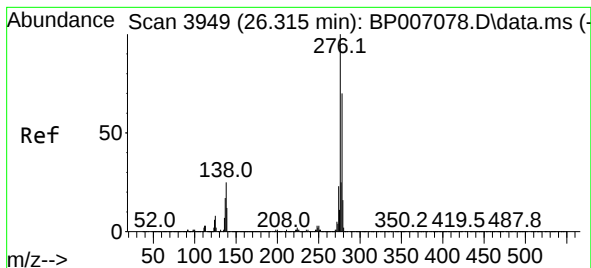
Tgt Ion:228 Resp: 386902  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.8 35.6  
229 22.8 15.4 23.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.757 min Scan# 3514  
Delta R.T. -0.006 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

Tgt Ion:264 Resp: 1117103  
Ion Ratio Lower Upper  
264 100  
260 24.3 18.6 28.0  
265 22.7 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.336 ng

RT: 26.274 min Scan# 3942

Delta R.T. -0.023 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

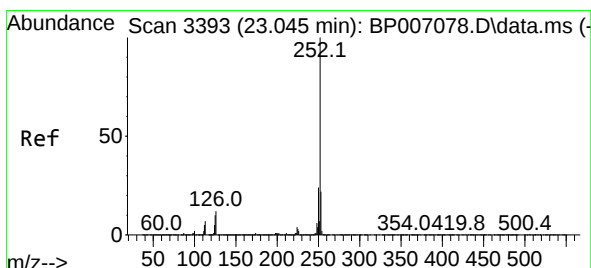
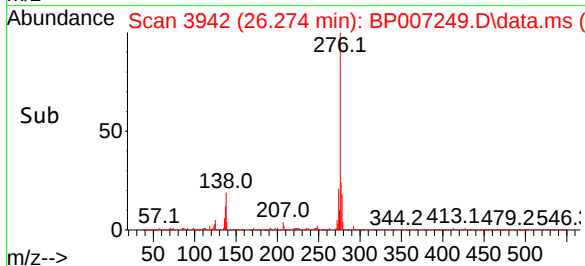
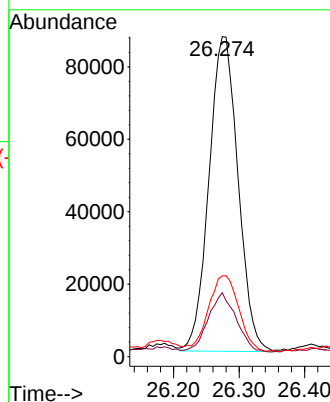
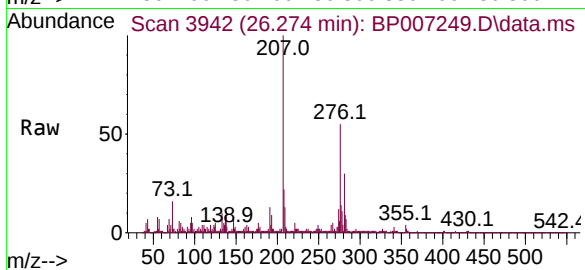
Instrument :

BNA\_P

ClientSampleId :

OK-03-092821

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 267829 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 18.3  | 15.3  | 22.9   |
| 277       | 25.1  | 20.4  | 30.6   |



#88

Benzo(b)fluoranthene

Concen: 7.316 ng

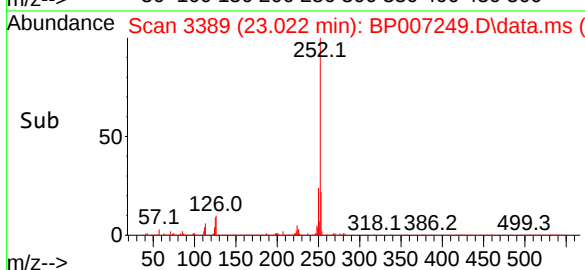
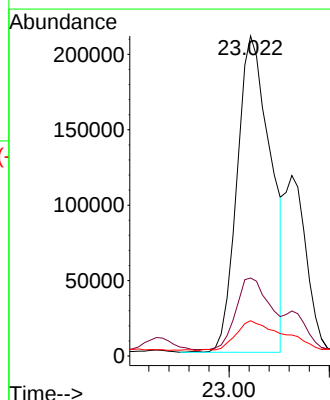
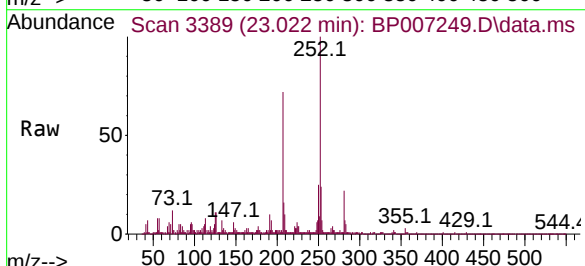
RT: 23.022 min Scan# 3389

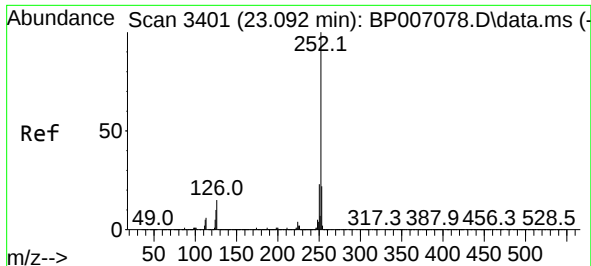
Delta R.T. -0.006 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 488411 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.4  | 17.5  | 26.3   |
| 125       | 11.0  | 6.2   | 9.4    |





#89

Benzo(k)fluoranthene

Concen: 7.226 ng

RT: 23.022 min Scan# 3389

Delta R.T. -0.053 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

Instrument :

BNA\_P

ClientSampleId :

OK-03-092821

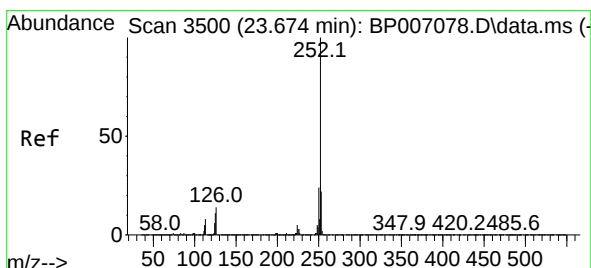
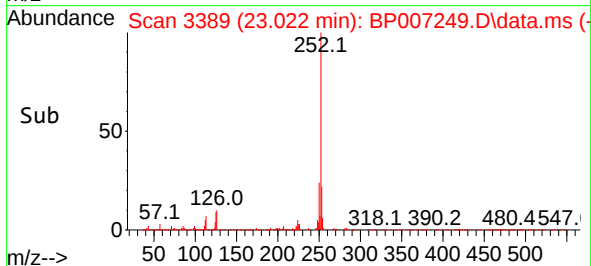
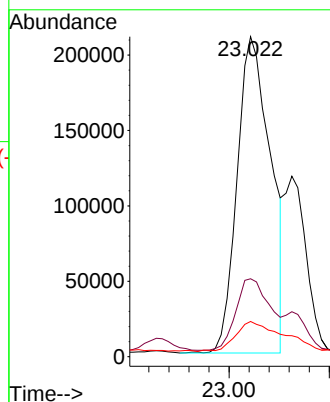
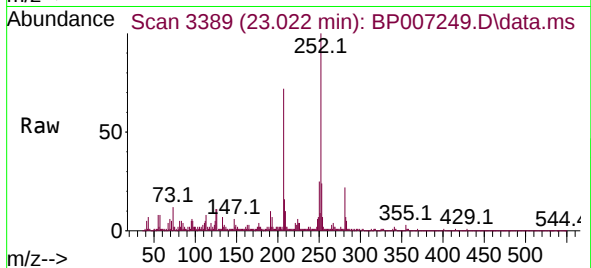
Tgt Ion:252 Resp: 488411

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 11.0 6.0 9.0#



#90

Benzo(a)pyrene

Concen: 7.226 ng

RT: 23.651 min Scan# 3496

Delta R.T. -0.006 min

Lab File: BP007249.D

Acq: 29 Sep 2021 17:04

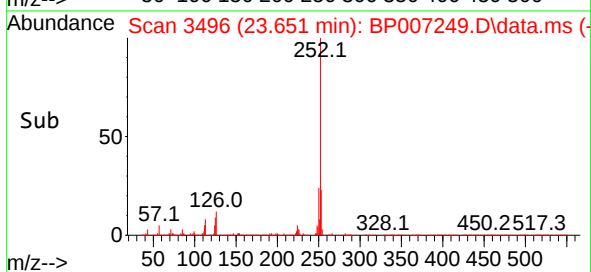
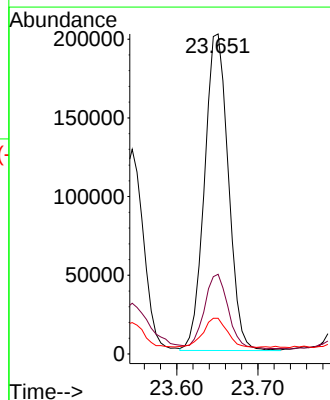
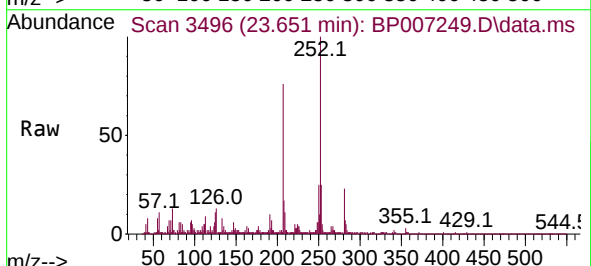
Tgt Ion:252 Resp: 409823

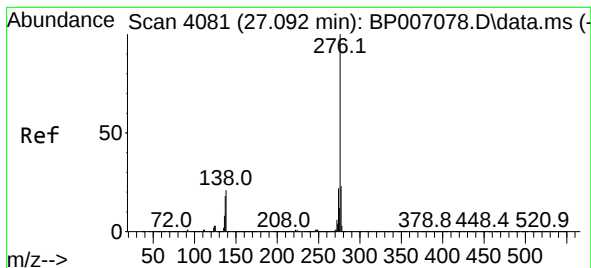
Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

125 11.2 6.5 9.7#





#92  
Benzo(g,h,i)perylene  
Concen: 4.115 ng  
RT: 27.051 min Scan# 4074  
Delta R.T. -0.018 min  
Lab File: BP007249.D  
Acq: 29 Sep 2021 17:04

Instrument :  
BNA\_P  
ClientSampleId :  
OK-03-092821

Tgt Ion:276 Resp: 270166  
Ion Ratio Lower Upper  
276 100  
277 26.2 18.9 28.3  
138 20.6 12.6 18.8#

