

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021822\  
 Data File : BP009226.D  
 Acq On : 18 Feb 2022 22:03  
 Operator : CG/JU  
 Sample : N1571-02DL 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP-3DL

Quant Time: Feb 19 00:51:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 19 00:46:08 2022  
 Response via : Initial Calibration

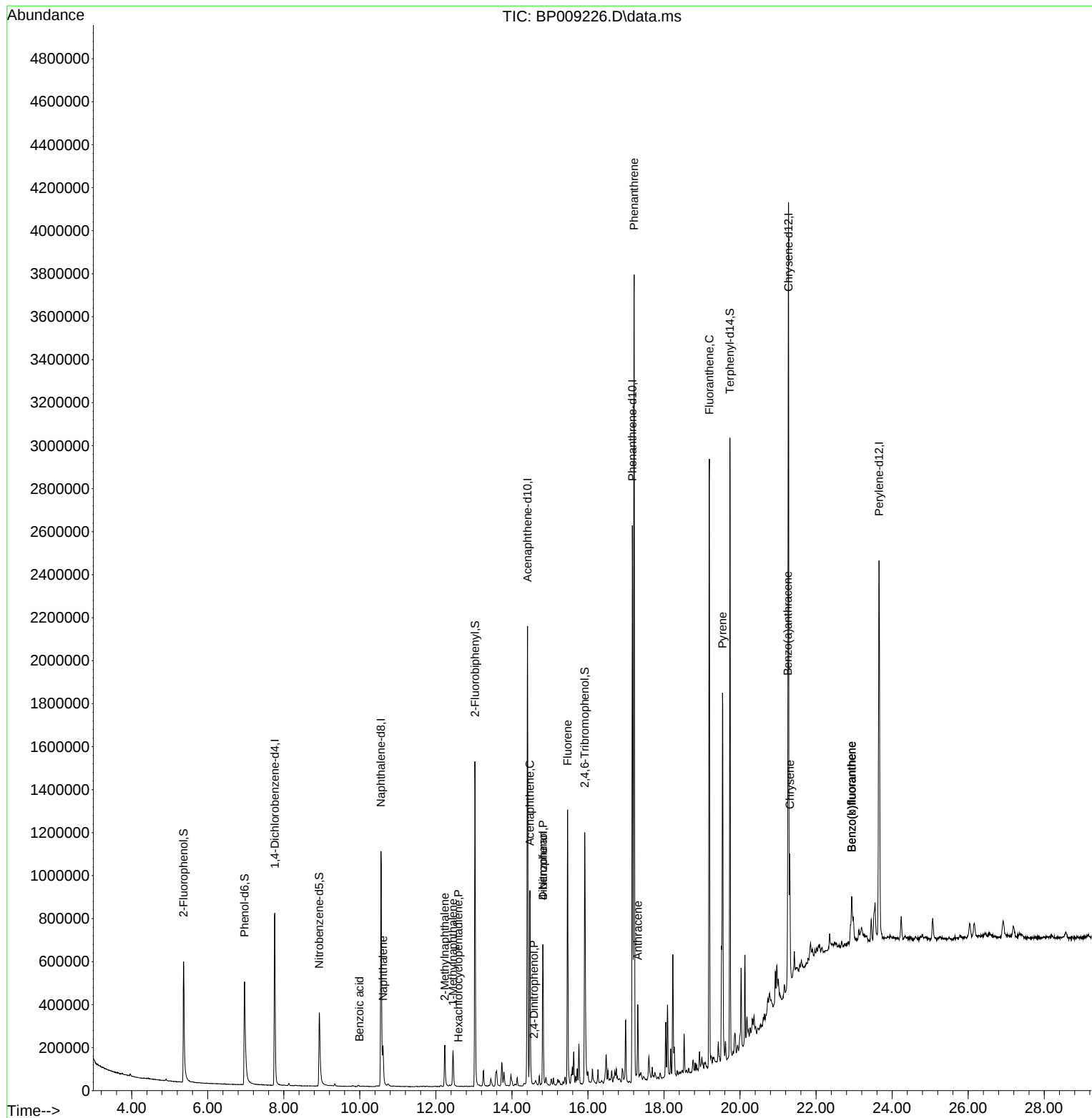
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 269112   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.557 | 136  | 1101899  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.410 | 164  | 773212   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.169 | 188  | 1696223  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.274 | 240  | 1709268  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.657 | 264  | 1511891  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 380811   | 25.242 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.969  | 99   | 483719   | 24.333 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.934  | 82   | 311592   | 15.947 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.916 | 330  | 264507   | 25.621 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.028 | 172  | 875784   | 15.856 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.733 | 244  | 1368589  | 14.399 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 31) Naphthalene               | 10.610 | 128  | 156615   | 2.787  | ng    | 100      |
| 32) Benzoic acid              | 9.993  | 122  | 47       | 2.693  | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 12.234 | 142  | 123814   | 3.113  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.451 | 142  | 98570    | 2.536  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.592 | 237  | 32       | 8.659  | ng    | 90       |
| 52) Acenaphthene              | 14.475 | 154  | 349546   | 8.441  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.581 | 184  | 13       | 2.169  | ng    | # 1      |
| 55) Dibenzofuran              | 14.816 | 168  | 495628   | 7.104  | ng    | 100      |
| 56) 4-Nitrophenol             | 14.816 | 139  | 172210   | 22.698 | ng    | # 16     |
| 58) Fluorene                  | 15.463 | 166  | 605607   | 11.299 | ng    | 98       |
| 71) Phenanthrene              | 17.216 | 178  | 2484696  | 27.053 | ng    | 98       |
| 72) Anthracene                | 17.310 | 178  | 254533   | 2.833  | ng    | 98       |
| 75) Fluoranthene              | 19.192 | 202  | 1817621  | 17.657 | ng    | 96       |
| 78) Pyrene                    | 19.539 | 202  | 1184432  | 9.741  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.257 | 228  | 346601   | 3.147  | ng    | 98       |
| 83) Chrysene                  | 21.310 | 228  | 341295   | 3.214  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 22.939 | 252  | 216278   | 2.324  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.939 | 252  | 216278   | 2.329  | ng    | 100      |
| -----                         |        |      |          |        |       |          |

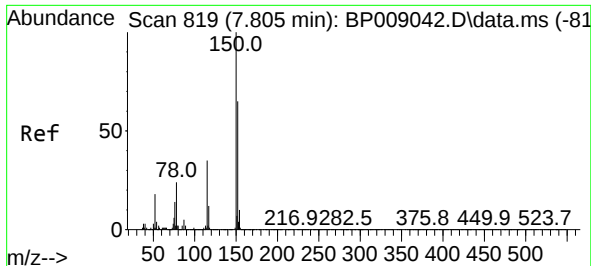
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021822\  
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ClientSampleId :  
TP-3DL

Quant Time: Feb 19 00:51:16 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Feb 19 00:46:08 2022  
Response via : Initial Calibration

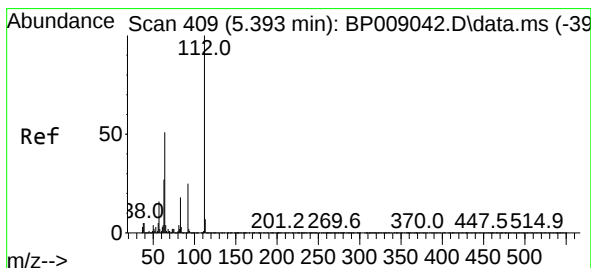
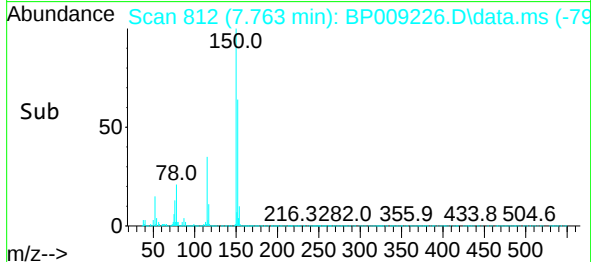
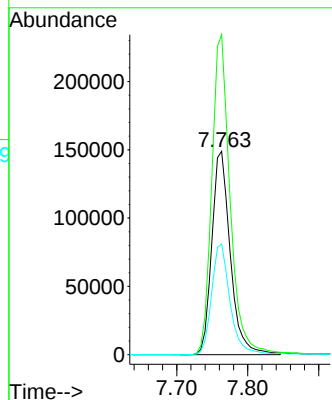
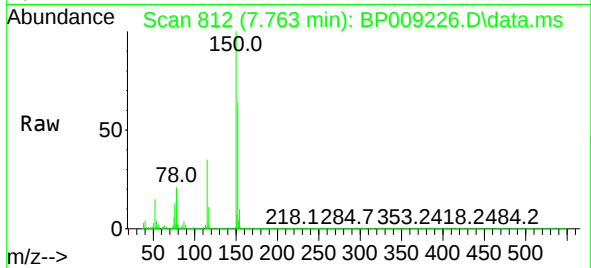




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.763 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

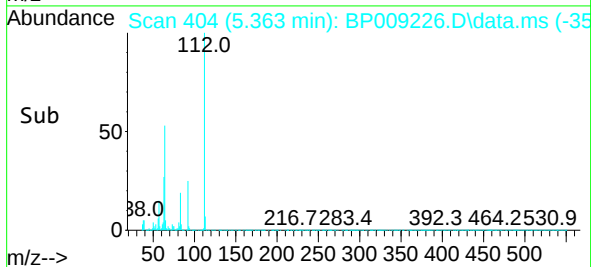
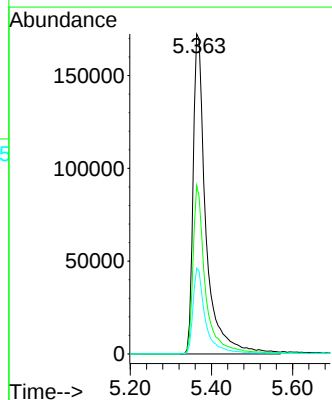
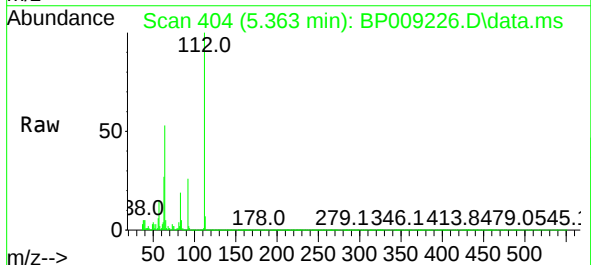
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

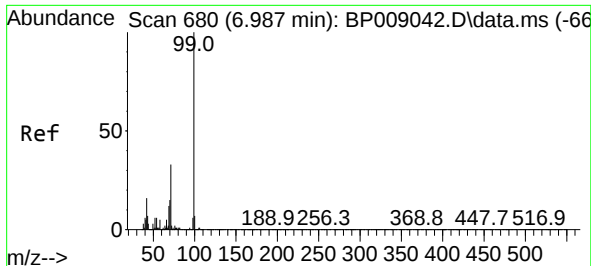
Tgt Ion:152 Resp: 269112  
Ion Ratio Lower Upper  
152 100  
150 157.4 127.0 190.6  
115 54.4 43.7 65.5



#5  
2-Fluorophenol  
Concen: 25.242 ng  
RT: 5.363 min Scan# 404  
Delta R.T. -0.000 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:112 Resp: 380811  
Ion Ratio Lower Upper  
112 100  
64 52.6 39.7 59.5  
63 26.8 20.0 30.0

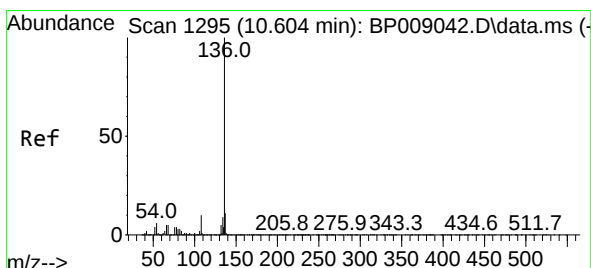
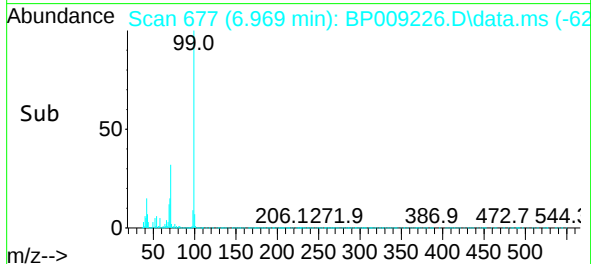
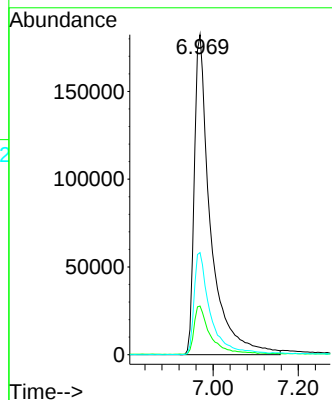
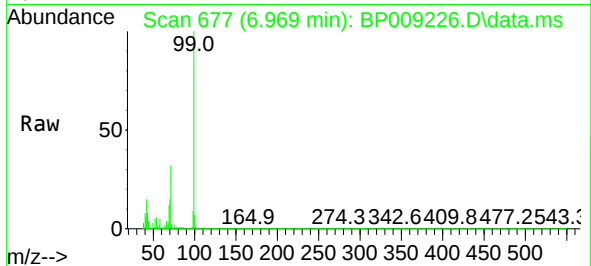




#7  
Phenol-d6  
Concen: 24.333 ng  
RT: 6.969 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

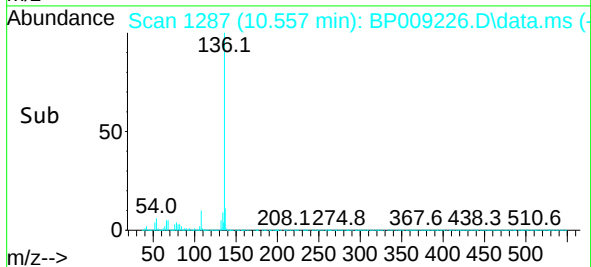
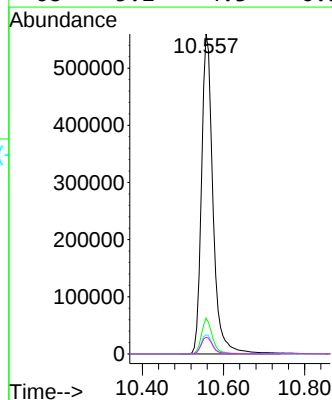
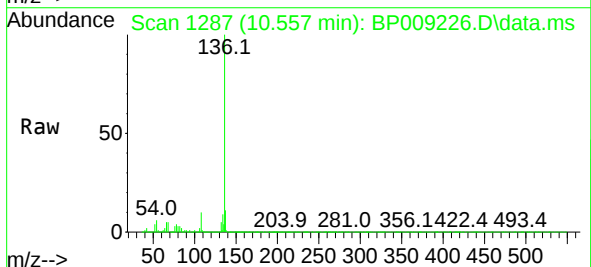
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

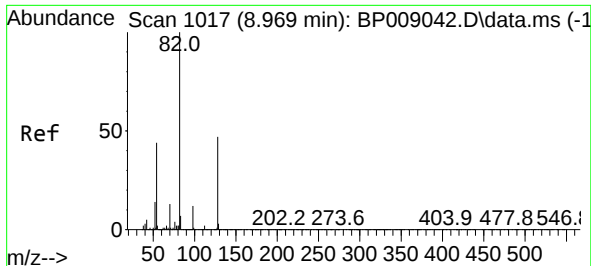
Tgt Ion: 99 Resp: 483719  
Ion Ratio Lower Upper  
99 100  
42 15.2 10.8 16.2  
71 31.9 23.8 35.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.557 min Scan# 1287  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:136 Resp: 1101899  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 6.0 4.9 7.3  
68 5.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 15.947 ng

RT: 8.934 min Scan# 1011

Delta R.T. -0.000 min

Lab File: BP009226.D

Acq: 18 Feb 2022 22:03

Instrument :

BNA\_P

ClientSampleId :

TP-3DL

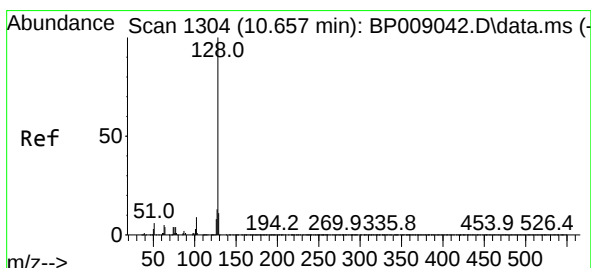
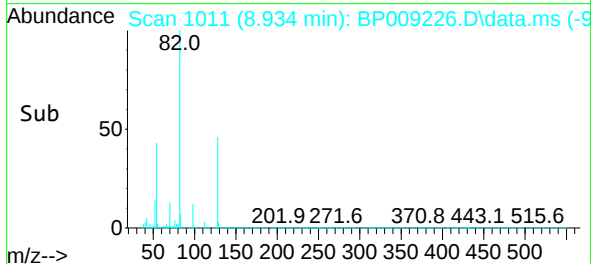
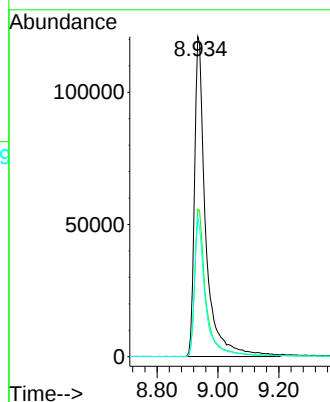
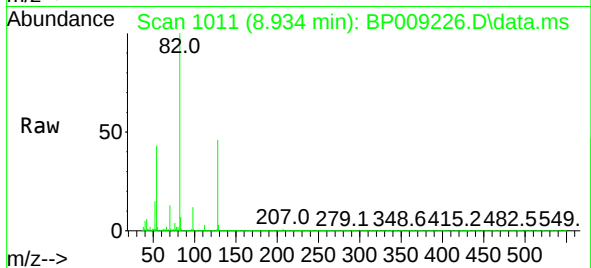
Tgt Ion: 82 Resp: 311592

Ion Ratio Lower Upper

82 100

128 46.1 39.4 59.2

54 43.2 32.6 48.8



#31

Naphthalene

Concen: 2.787 ng

RT: 10.610 min Scan# 1296

Delta R.T. -0.000 min

Lab File: BP009226.D

Acq: 18 Feb 2022 22:03

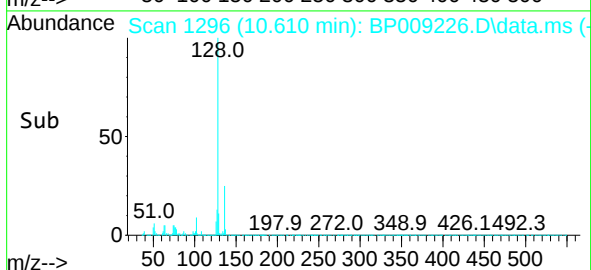
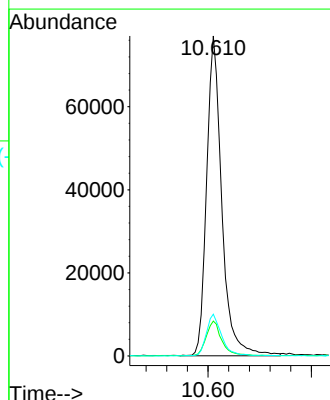
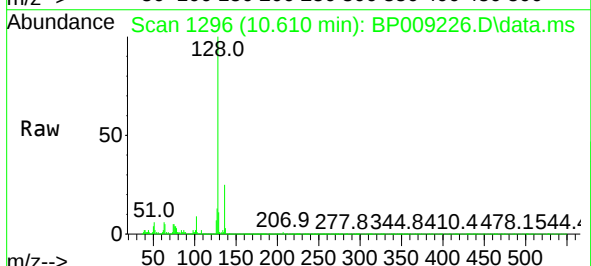
Tgt Ion: 128 Resp: 156615

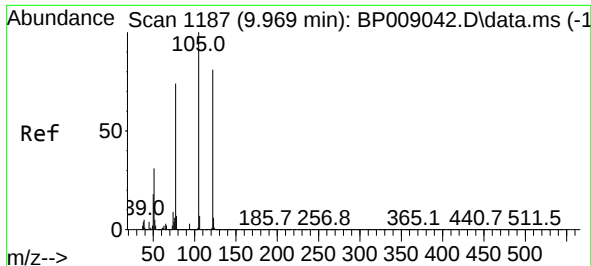
Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.1 10.4 15.6

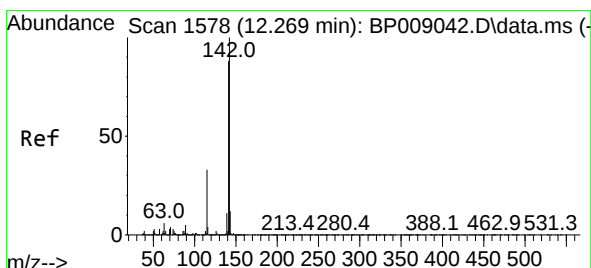
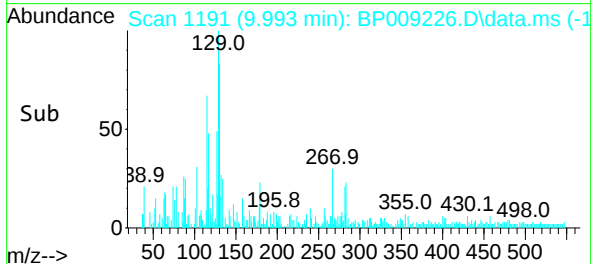
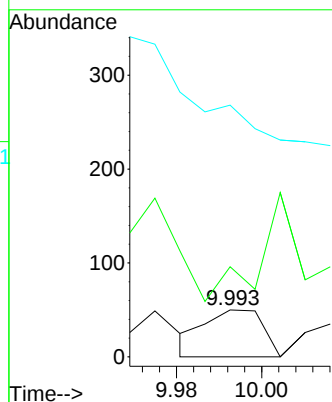
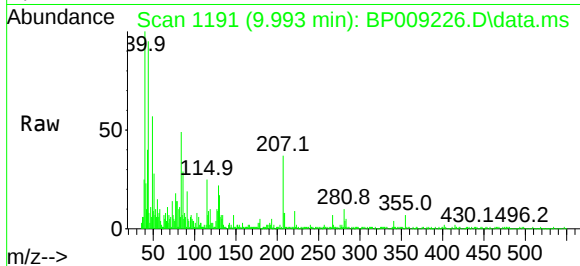




#32  
Benzoic acid  
Concen: 2.693 ng  
RT: 9.993 min Scan# 1187  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

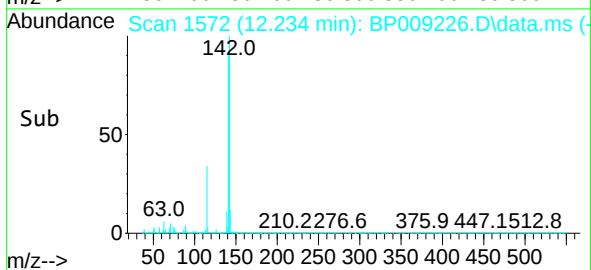
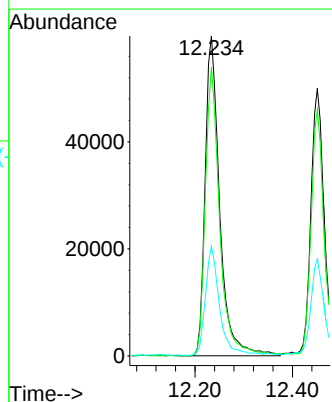
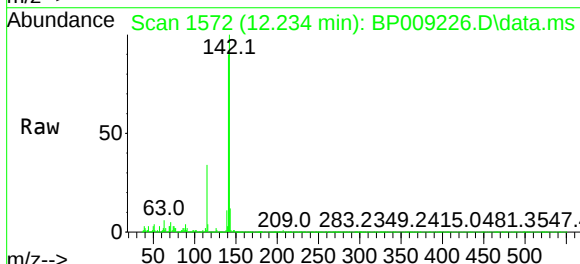
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

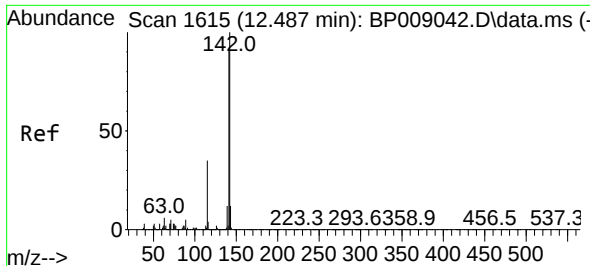
Tgt Ion:122 Resp: 47  
Ion Ratio Lower Upper  
122 100  
105 192.0 100.1 140.1#  
77 536.0 65.5 105.5#



#37  
2-Methylnaphthalene  
Concen: 3.113 ng  
RT: 12.234 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:142 Resp: 123814  
Ion Ratio Lower Upper  
142 100  
141 90.3 70.5 105.7  
115 34.3 24.6 36.8

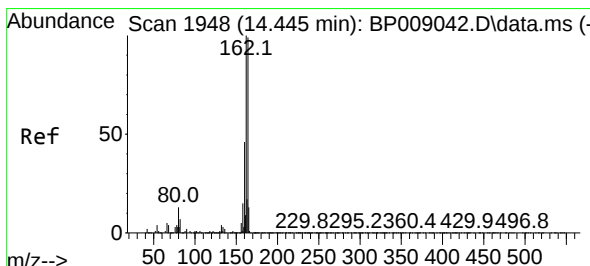
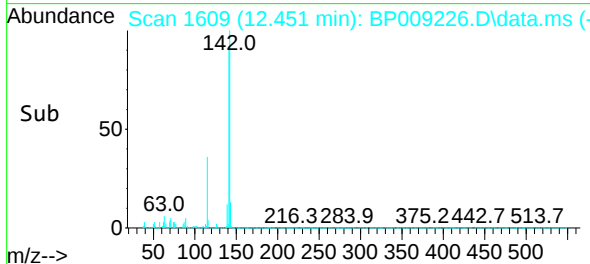
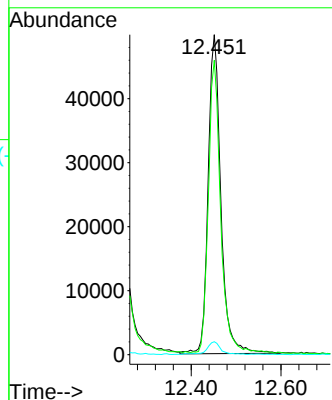
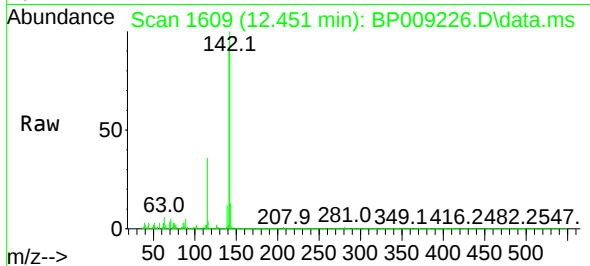




#38  
1-Methylnaphthalene  
Concen: 2.536 ng  
RT: 12.451 min Scan# 1609  
Delta R.T. -0.000 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

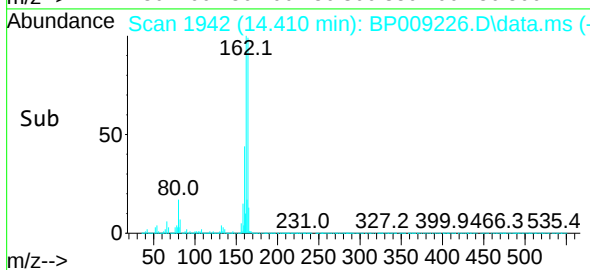
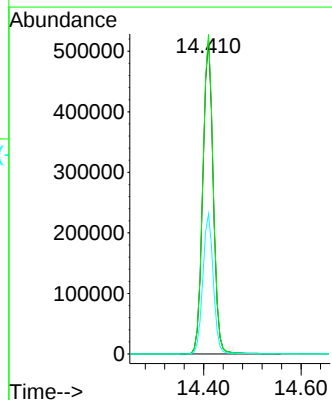
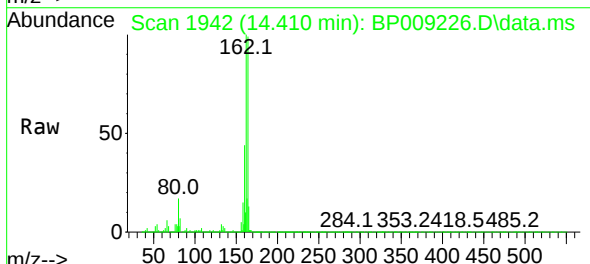
Instrument :  
BNA\_P  
ClientSampleId :  
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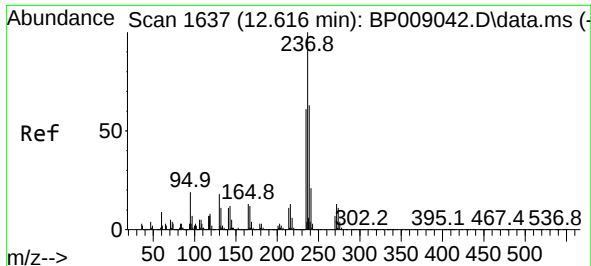
Tgt Ion:142 Resp: 98570  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.2 109.8  
116 4.1 2.7 4.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.410 min Scan# 1942  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:164 Resp: 773212  
Ion Ratio Lower Upper  
164 100  
162 101.4 79.9 119.9  
160 44.4 35.5 53.3

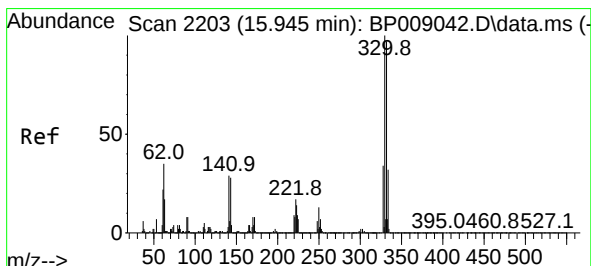
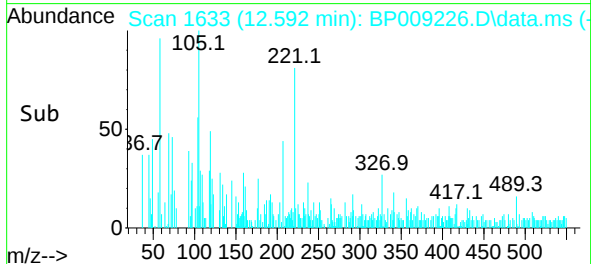
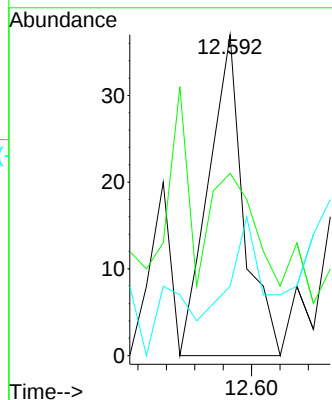
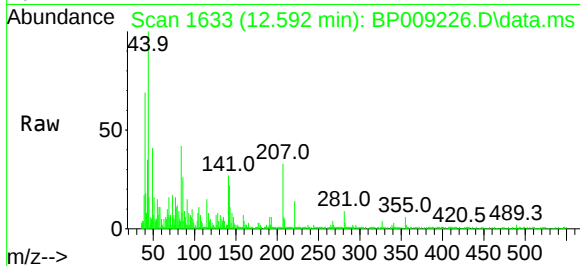




#41  
Hexachlorocyclopentadiene  
Concen: 8.659 ng  
RT: 12.592 min Scan# 1  
Delta R.T. 0.017 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

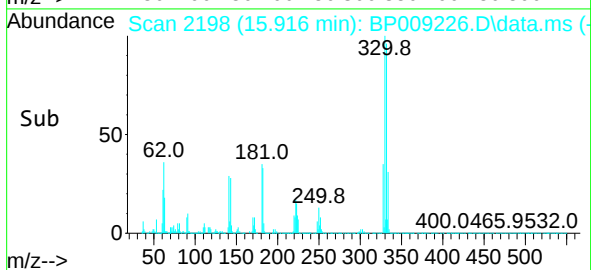
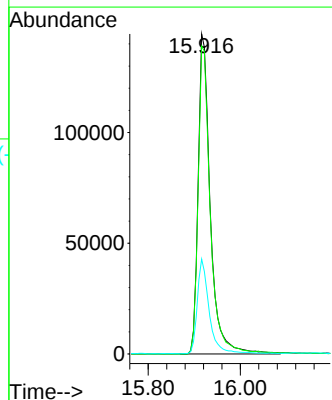
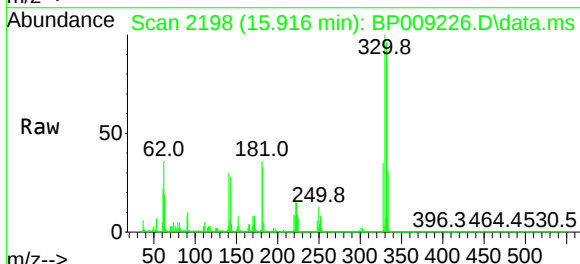
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

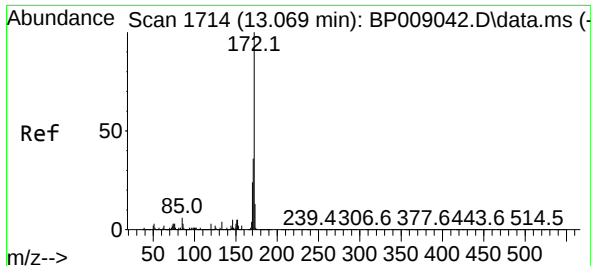
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|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 32    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 56.8  | 42.9  | 82.9  |
| 272      | 21.6  | 0.0   | 33.8  |



#42  
2,4,6-Tribromophenol  
Concen: 25.621 ng  
RT: 15.916 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 264507 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.2  | 77.0  | 115.4  |
| 141      | 29.1  | 21.3  | 31.9   |

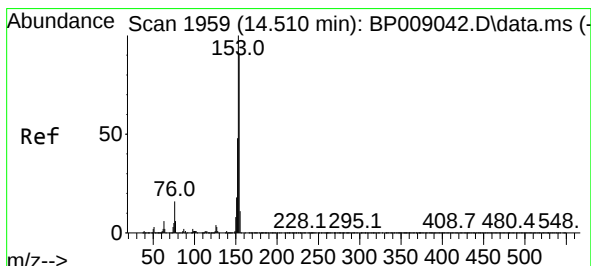
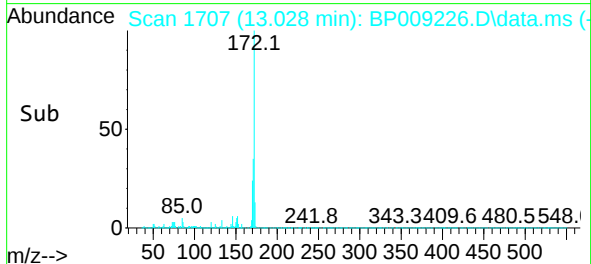
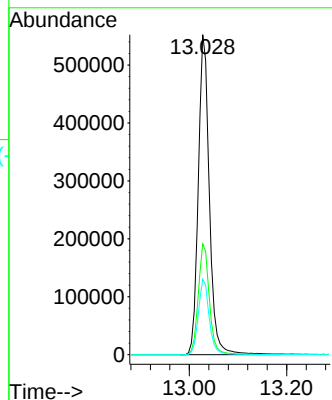
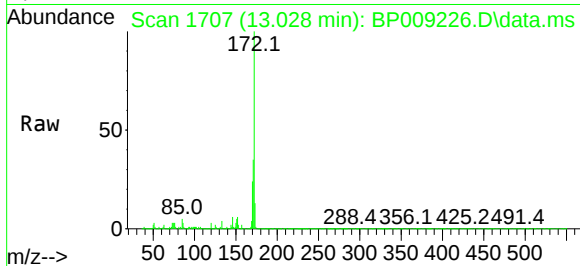




#45  
2-Fluorobiphenyl  
Concen: 15.856 ng  
RT: 13.028 min Scan# 1714  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

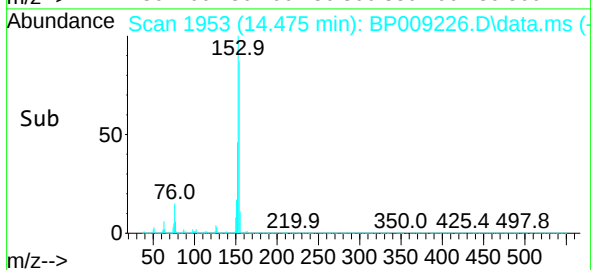
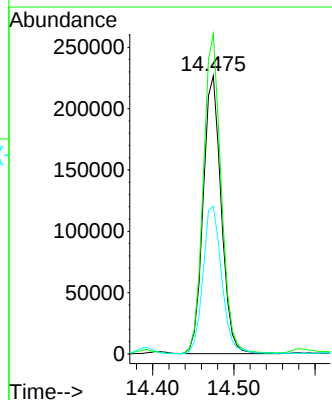
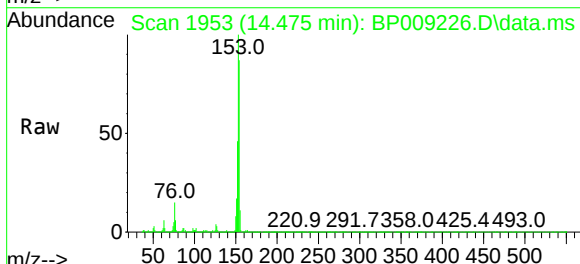
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

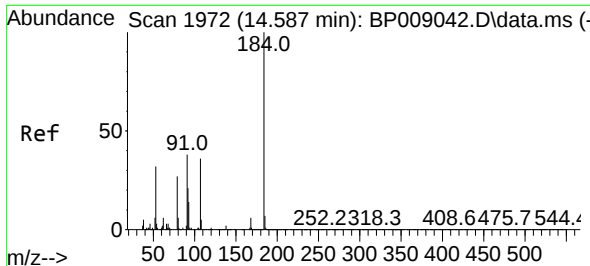
Tgt Ion:172 Resp: 875784  
Ion Ratio Lower Upper  
172 100  
171 34.6 29.3 43.9  
170 23.6 19.5 29.3



#52  
Acenaphthene  
Concen: 8.441 ng  
RT: 14.475 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:154 Resp: 349546  
Ion Ratio Lower Upper  
154 100  
153 115.0 89.4 134.2  
152 53.1 42.6 63.8

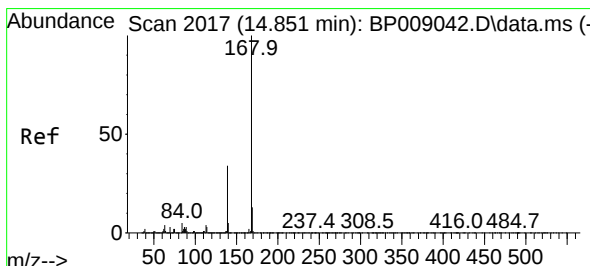
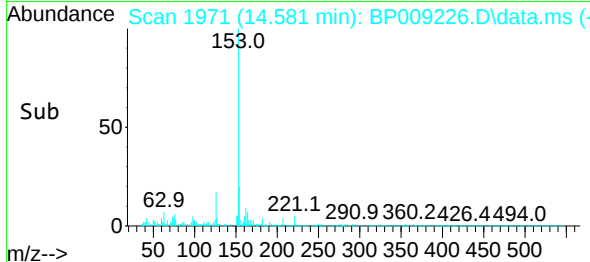
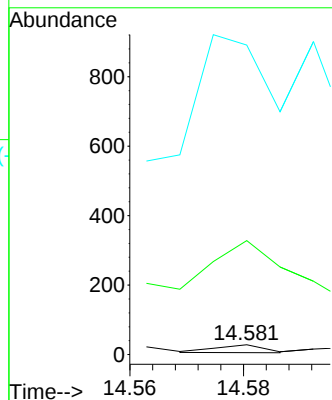
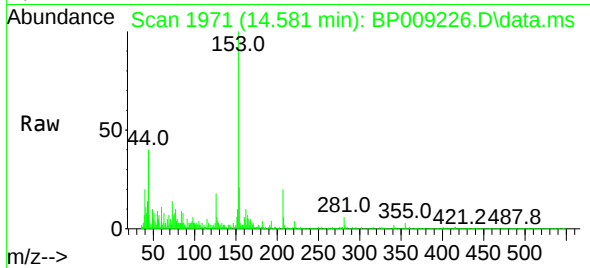




#54  
2,4-Dinitrophenol  
Concen: 2.169 ng  
RT: 14.581 min Scan# 1972  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

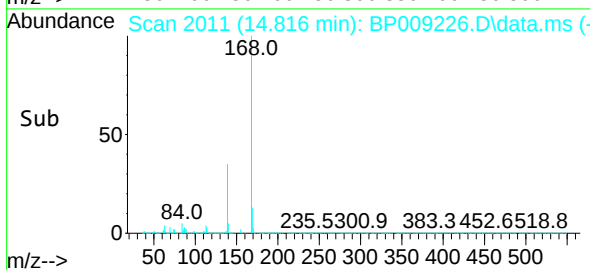
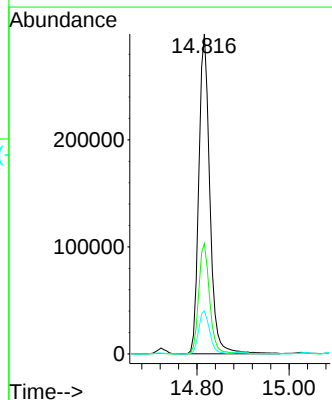
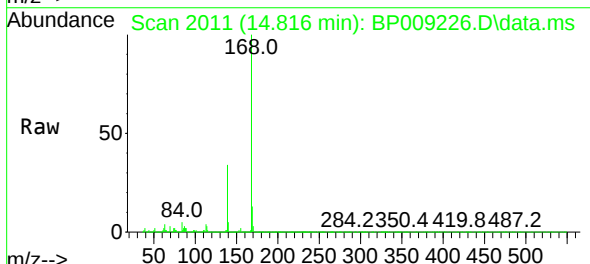
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

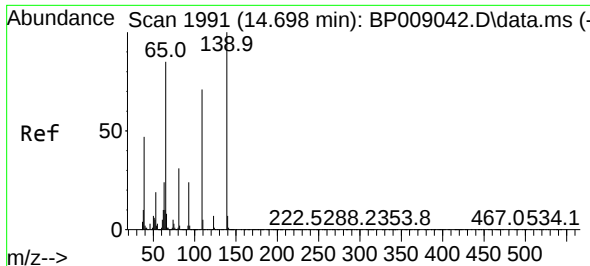
Tgt Ion:184 Resp: 13  
Ion Ratio Lower Upper  
184 100  
63 1171.4 35.6 53.4#  
154 3182.1 43.4 65.0#



#55  
Dibenzofuran  
Concen: 7.104 ng  
RT: 14.816 min Scan# 2011  
Delta R.T. -0.000 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:168 Resp: 495628  
Ion Ratio Lower Upper  
168 100  
139 34.5 27.4 41.0  
169 13.5 10.9 16.3

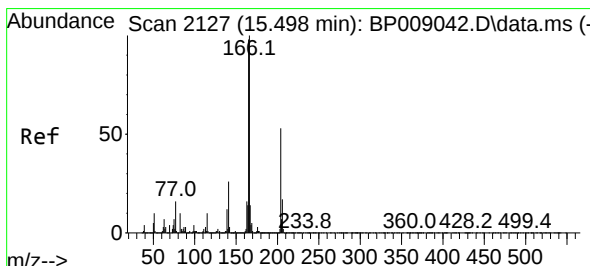
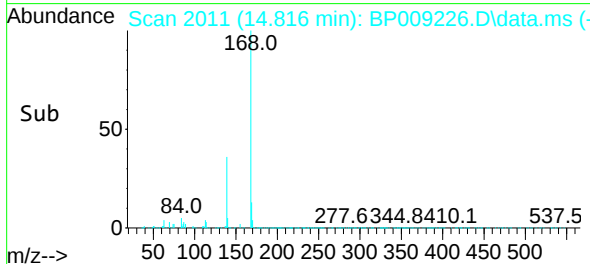
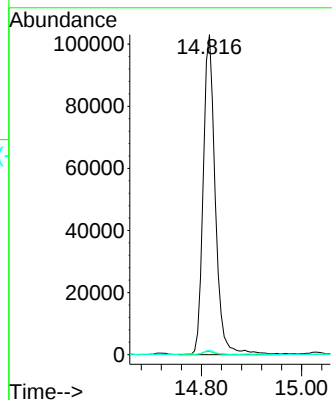
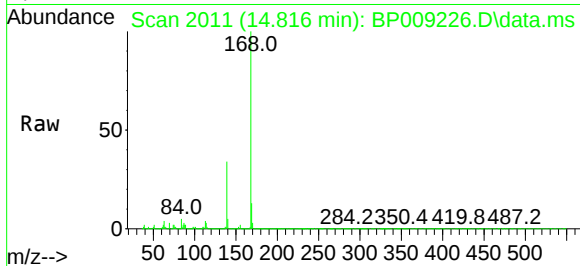




#56  
4-Nitrophenol  
Concen: 22.698 ng  
RT: 14.816 min Scan# 2011  
Delta R.T. 0.117 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

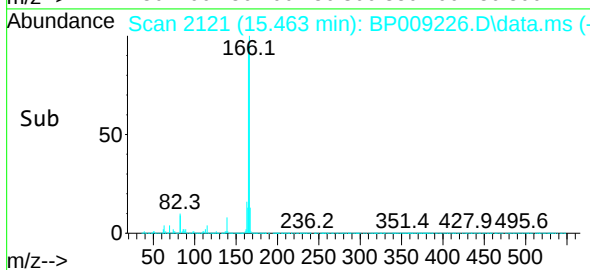
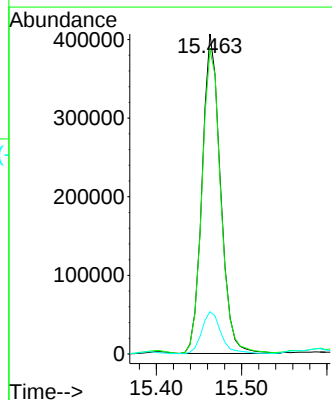
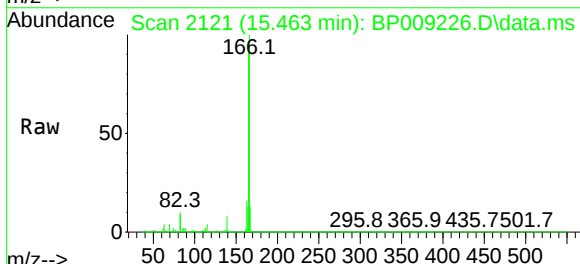
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

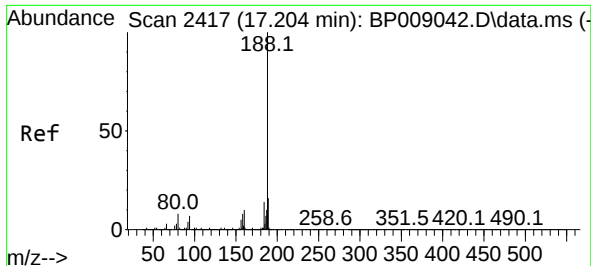
Tgt Ion:139 Resp: 172210  
Ion Ratio Lower Upper  
139 100  
109 1.0 42.2 82.2#  
65 1.5 57.3 97.3#



#58  
Fluorene  
Concen: 11.299 ng  
RT: 15.463 min Scan# 2121  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:166 Resp: 605607  
Ion Ratio Lower Upper  
166 100  
165 94.9 77.2 115.8  
167 13.2 11.2 16.8

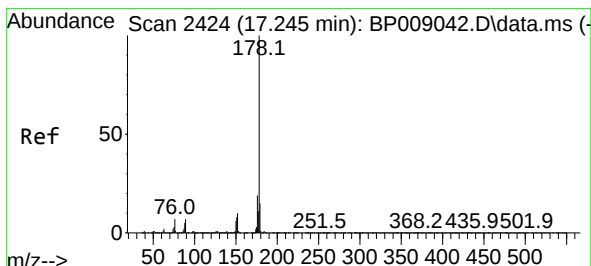
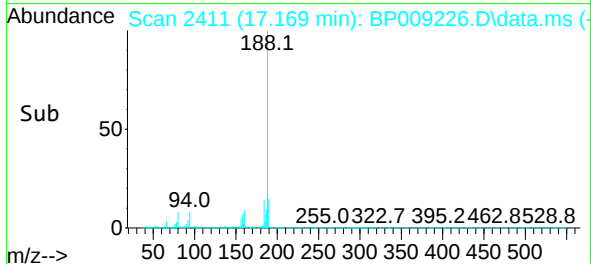
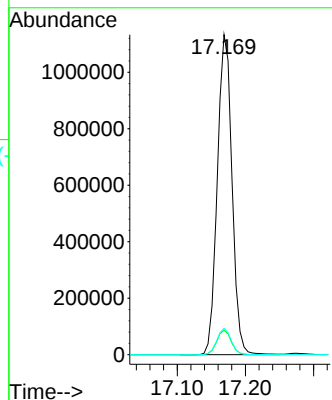
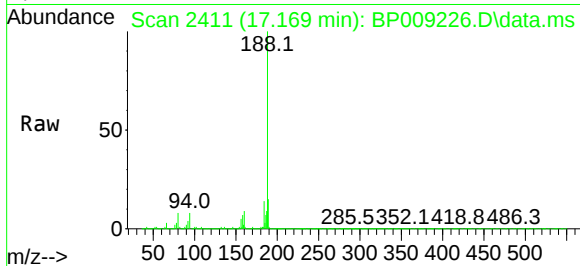




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.169 min Scan# 2419  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

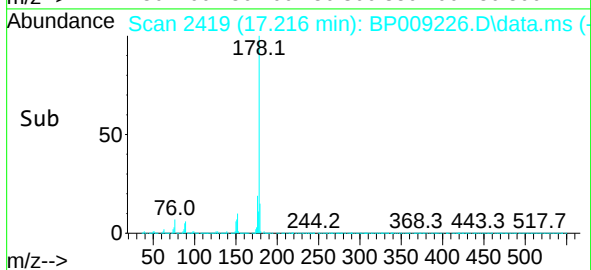
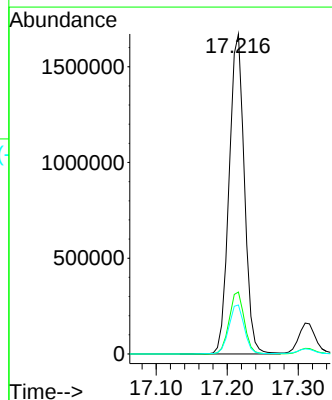
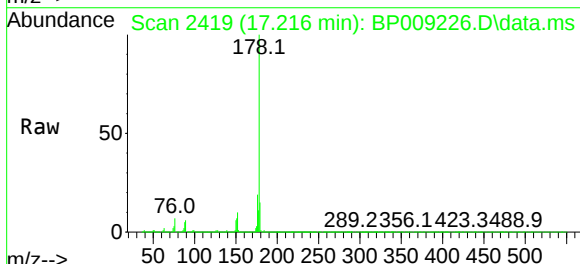
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

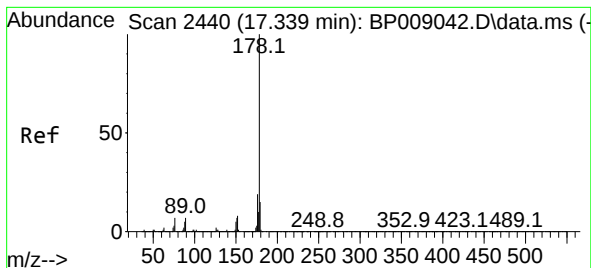
Tgt Ion:188 Resp: 1696223  
Ion Ratio Lower Upper  
188 100  
94 7.7 6.8 10.2  
80 8.2 7.2 10.8



#71  
Phenanthrene  
Concen: 27.053 ng  
RT: 17.216 min Scan# 2419  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:178 Resp: 2484696  
Ion Ratio Lower Upper  
178 100  
176 19.3 16.0 24.0  
179 15.3 13.0 19.4





#72

Anthracene

Concen: 2.833 ng

RT: 17.310 min Scan# 24

Delta R.T. -0.000 min

Lab File: BP009226.D

Acq: 18 Feb 2022 22:03

Instrument :

BNA\_P

ClientSampleId :

TP-3DL

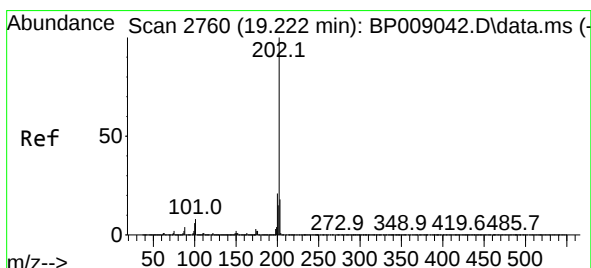
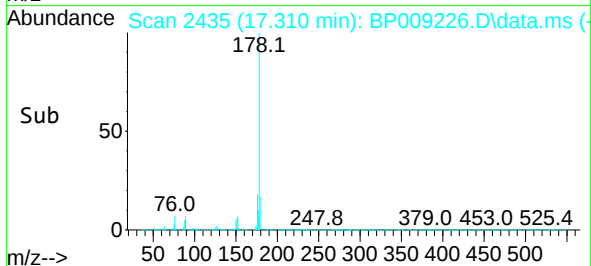
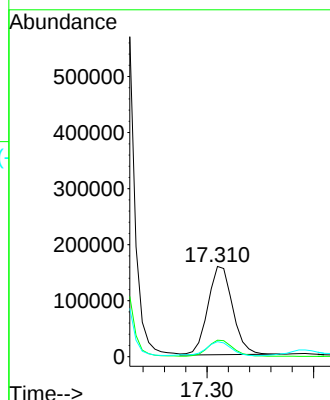
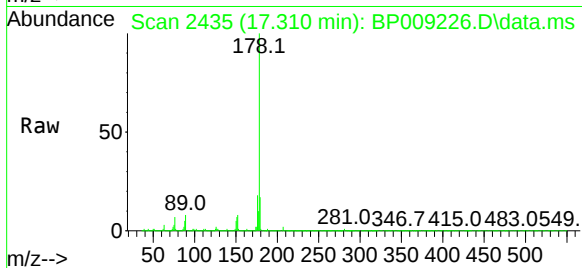
Tgt Ion:178 Resp: 254533

Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

179 16.7 12.8 19.2



#75

Fluoranthene

Concen: 17.657 ng

RT: 19.192 min Scan# 2755

Delta R.T. -0.000 min

Lab File: BP009226.D

Acq: 18 Feb 2022 22:03

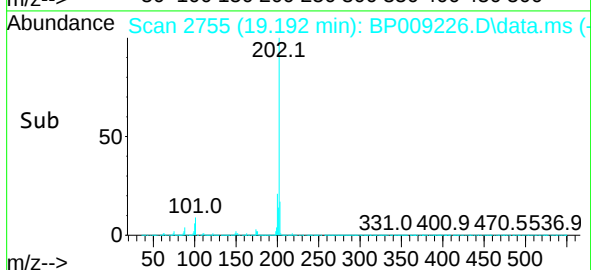
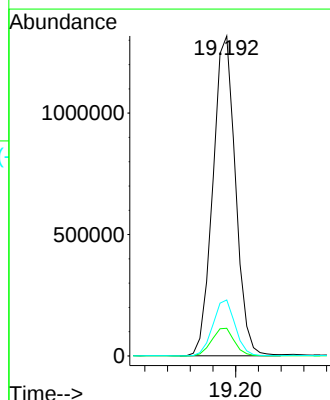
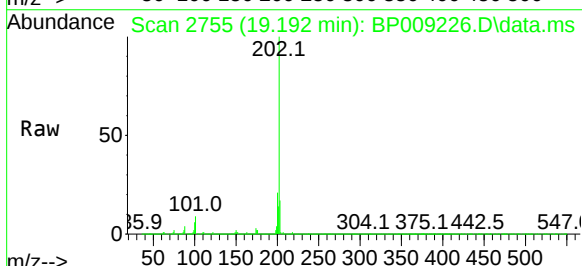
Tgt Ion:202 Resp: 1817621

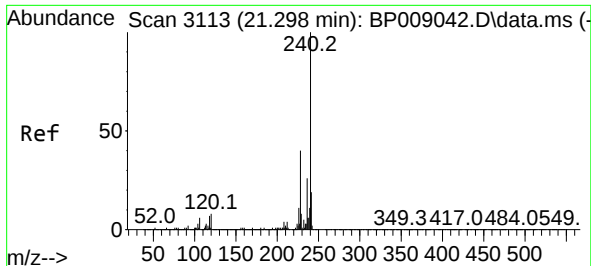
Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.7

203 17.5 0.0 38.9

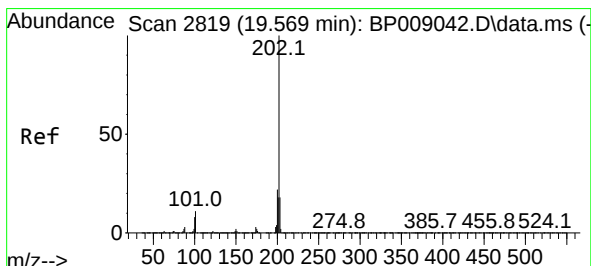
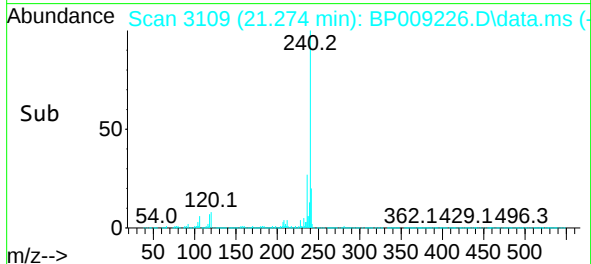
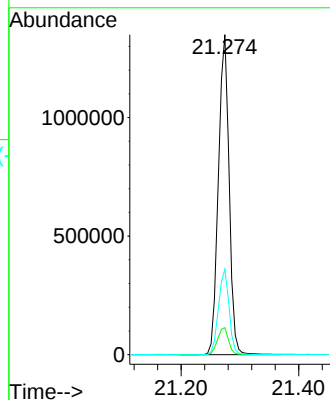
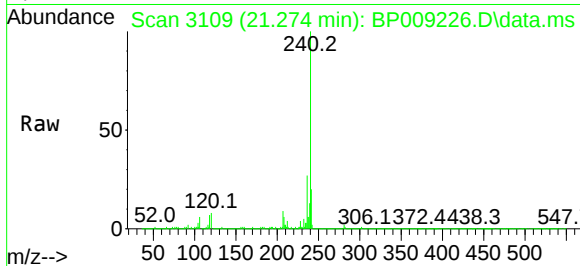




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.274 min Scan# 3113  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

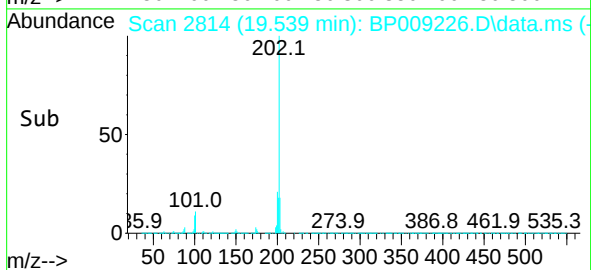
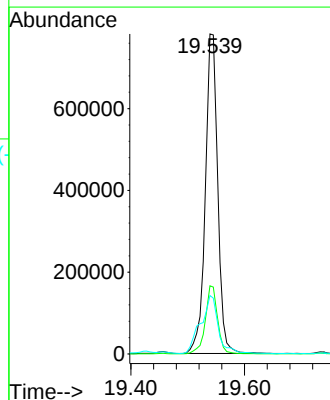
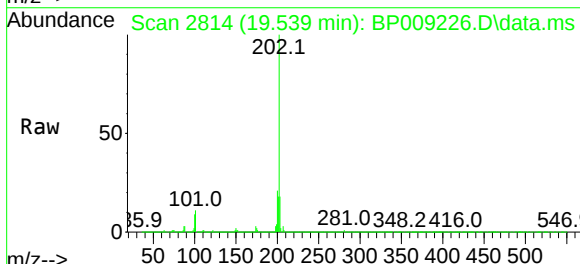
Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

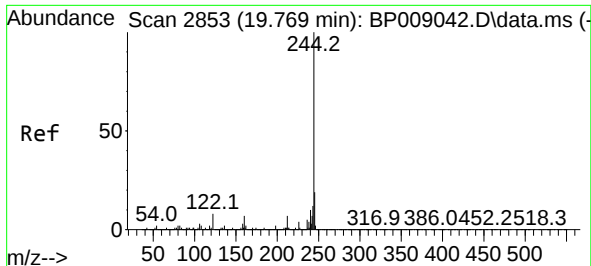
Tgt Ion:240 Resp: 1709268  
Ion Ratio Lower Upper  
240 100  
120 8.4 7.7 11.5  
236 26.7 21.2 31.8



#78  
Pyrene  
Concen: 9.741 ng  
RT: 19.539 min Scan# 2814  
Delta R.T. -0.006 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:202 Resp: 1184432  
Ion Ratio Lower Upper  
202 100  
200 21.3 18.0 27.0  
203 18.3 15.0 22.6

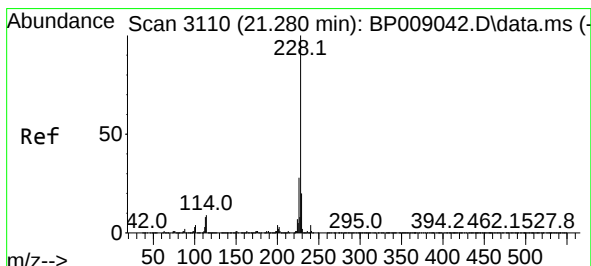
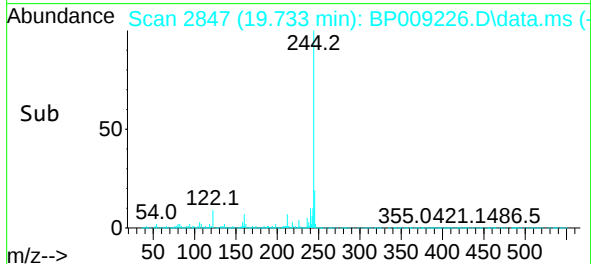
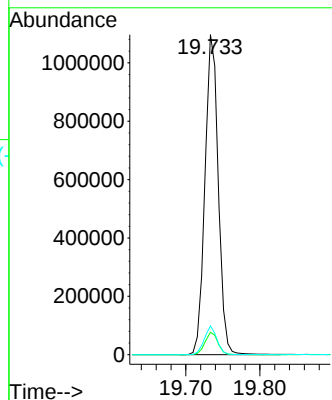
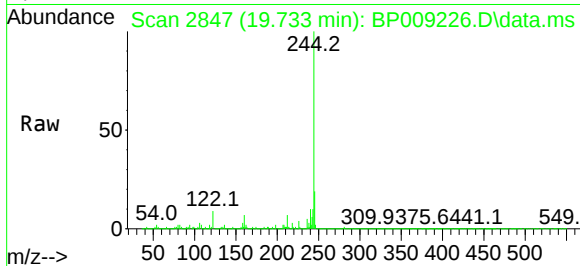




#79  
 Terphenyl-d14  
 Concen: 14.399 ng  
 RT: 19.733 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP009226.D  
 Acq: 18 Feb 2022 22:03

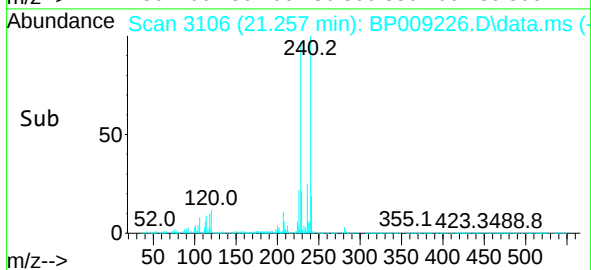
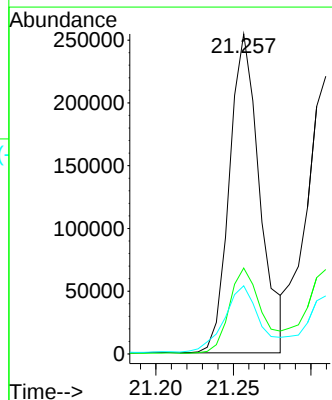
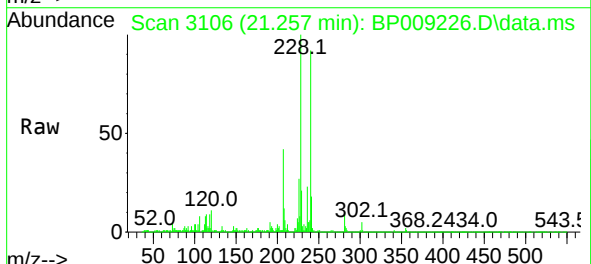
Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP-3DL

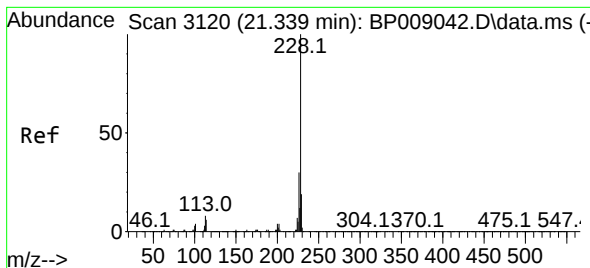
Tgt Ion:244 Resp: 1368589  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.5 9.7  
 122 9.0 9.2 13.8#



#81  
 Benzo(a)anthracene  
 Concen: 3.147 ng  
 RT: 21.257 min Scan# 3106  
 Delta R.T. -0.006 min  
 Lab File: BP009226.D  
 Acq: 18 Feb 2022 22:03

Tgt Ion:228 Resp: 346601  
 Ion Ratio Lower Upper  
 228 100  
 226 26.8 23.3 34.9  
 229 21.3 17.0 25.6





#83

Chrysene

Concen: 3.214 ng

RT: 21.310 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP009226.D

Acq: 18 Feb 2022 22:03

Instrument :

BNA\_P

ClientSampleId :

TP-3DL

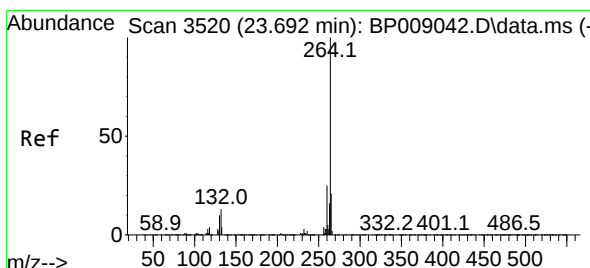
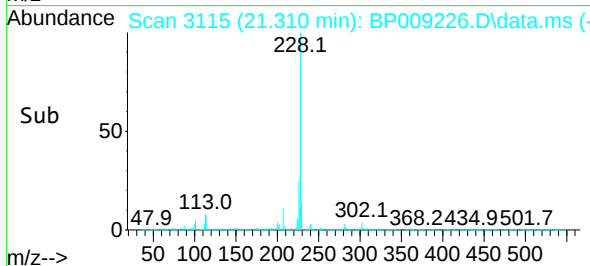
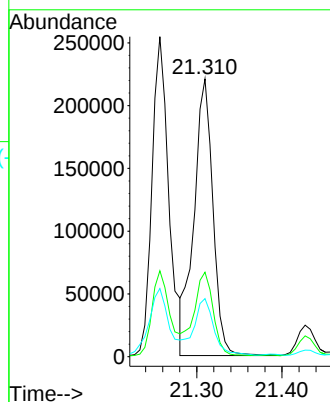
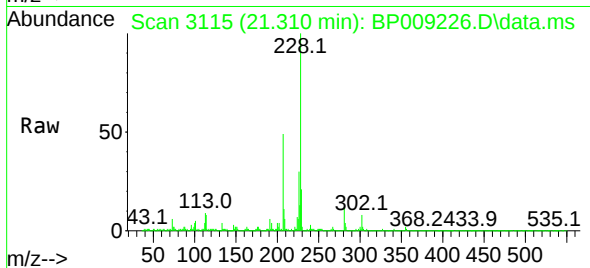
Tgt Ion:228 Resp: 341295

Ion Ratio Lower Upper

228 100

226 30.4 26.0 39.0

229 20.9 16.9 25.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.657 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BP009226.D

Acq: 18 Feb 2022 22:03

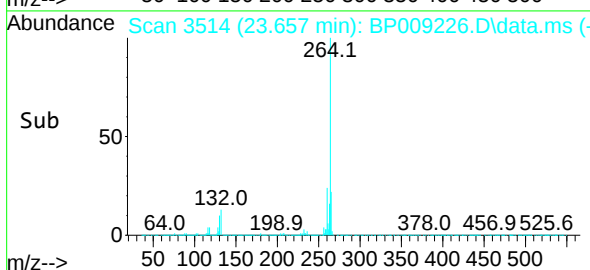
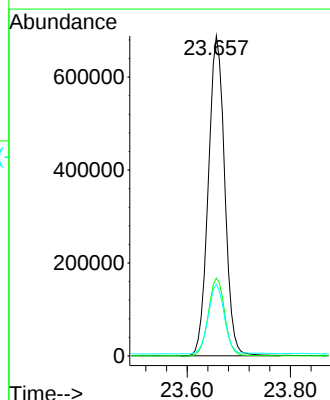
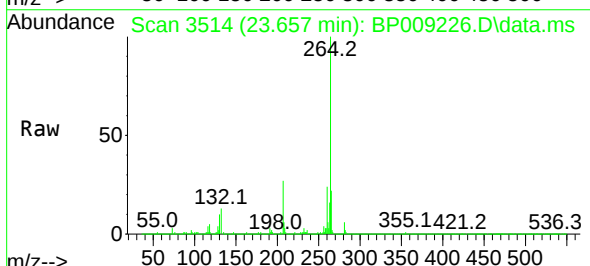
Tgt Ion:264 Resp: 1511891

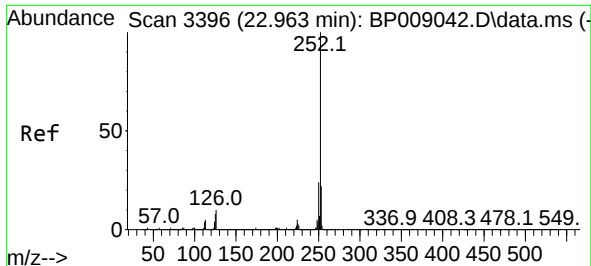
Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 22.4 17.1 25.7

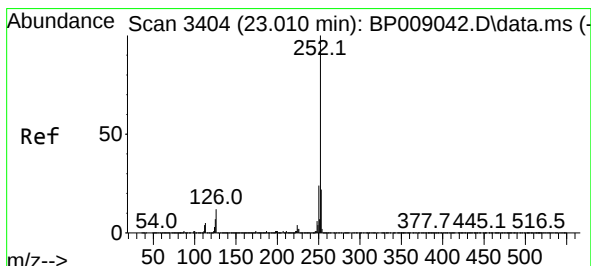
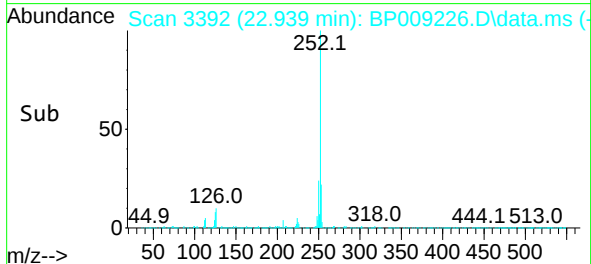
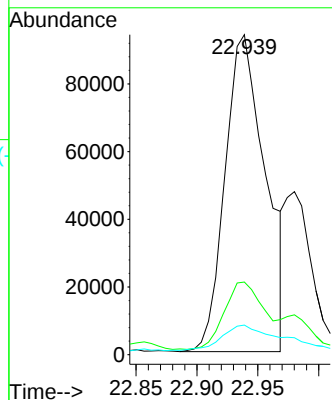
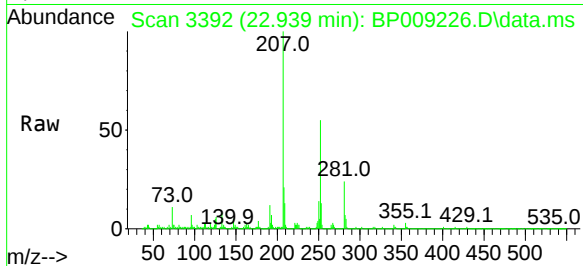




#88  
Benzo(b)fluoranthene  
Concen: 2.324 ng  
RT: 22.939 min Scan# 3392  
Delta R.T. -0.000 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Instrument :  
BNA\_P  
ClientSampleId :  
TP-3DL

Tgt Ion:252 Resp: 216278  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.0 27.0  
125 9.2 6.9 10.3



#89  
Benzo(k)fluoranthene  
Concen: 2.329 ng  
RT: 22.939 min Scan# 3392  
Delta R.T. -0.047 min  
Lab File: BP009226.D  
Acq: 18 Feb 2022 22:03

Tgt Ion:252 Resp: 216278  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.2 27.2  
125 9.2 7.3 10.9

