

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040422\  
 Data File : BP009690.D  
 Acq On : 04 Apr 2022 21:30  
 Operator : CG/JU  
 Sample : N2241-01 10X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CL-02-040122

Quant Time: Apr 04 23:27:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 31 04:36:51 2022  
 Response via : Initial Calibration

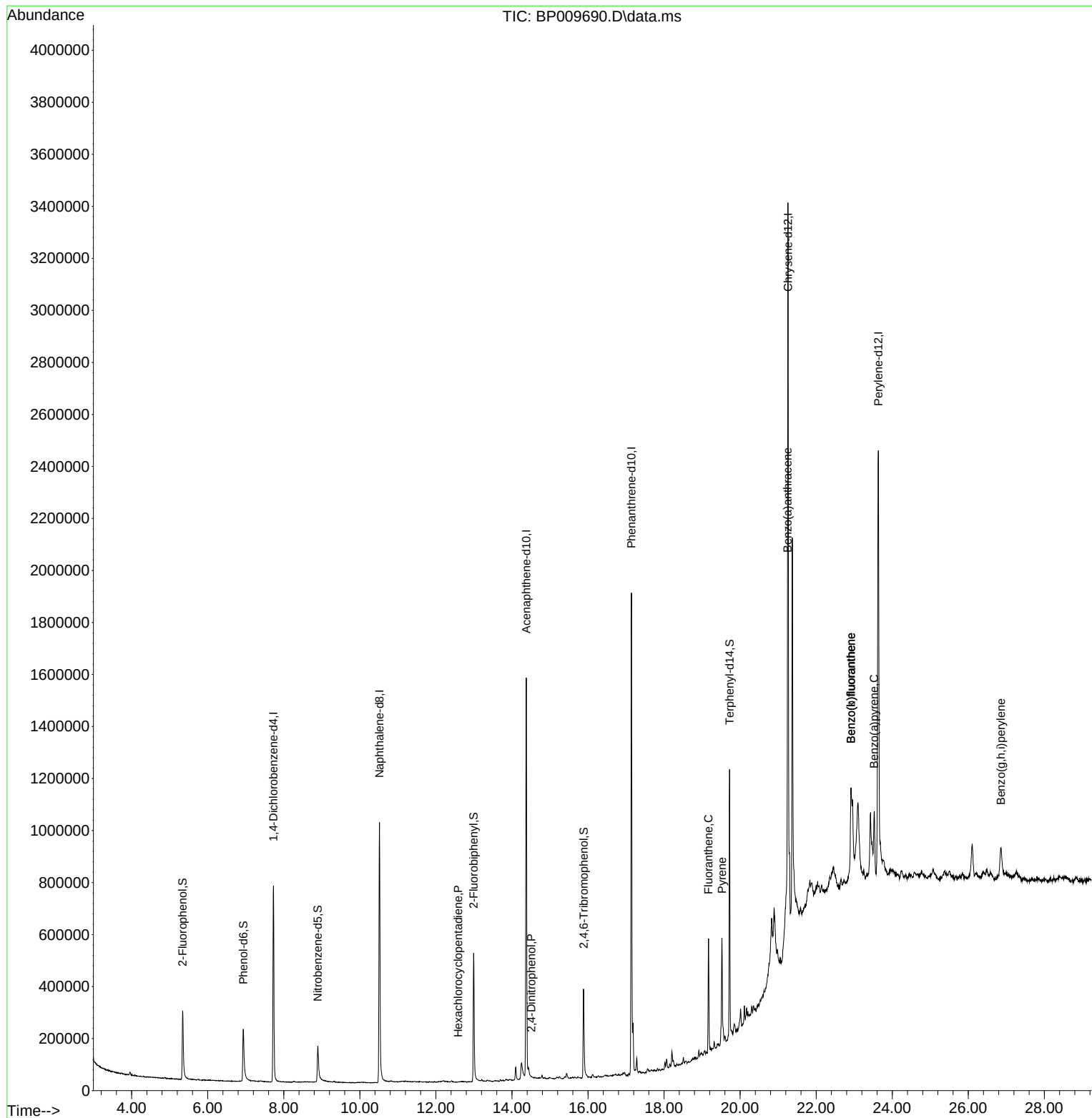
| Compound                      | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|----------|----------|
| -----                         |        |      |          |           |          |          |
| Internal Standards            |        |      |          |           |          |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 246591   | 20.000    | ng       | -0.01    |
| 21) Naphthalene-d8            | 10.516 | 136  | 982191   | 20.000    | ng       | -0.02    |
| 39) Acenaphthene-d10          | 14.375 | 164  | 610667   | 20.000    | ng       | -0.02    |
| 64) Phenanthrene-d10          | 17.139 | 188  | 1252618  | 20.000    | ng       | -0.02    |
| 76) Chrysene-d12              | 21.257 | 240  | 1262247  | 20.000    | ng       | -0.02    |
| 86) Perylene-d12              | 23.633 | 264  | 1303589  | 20.000    | ng       | -0.02    |
|                               |        |      |          |           |          |          |
| System Monitoring Compounds   |        |      |          |           |          |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 174209   | 12.334    | ng       | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 212124   | 11.106    | ng       | 0.00     |
| 23) Nitrobenzene-d5           | 8.893  | 82   | 133351   | 7.215     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.887 | 330  | 85665    | 8.501     | ng       | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.993 | 172  | 329025   | 7.469     | ng       | -0.02    |
| 79) Terphenyl-d14             | 19.722 | 244  | 513876   | 7.307     | ng       | -0.02    |
|                               |        |      |          |           |          |          |
| Target Compounds              |        |      |          |           |          |          |
| 9) Benzaldehyde               | 6.899  | 77   | 342      | Below Cal | Qvalue # | 48       |
| 41) Hexachlorocyclopentadiene | 12.587 | 237  | 12       | 7.290 ng  |          | 81       |
| 54) 2,4-Dinitrophenol         | 14.510 | 184  | 96       | 4.548 ng  | #        | 1        |
| 75) Fluoranthene              | 19.169 | 202  | 292808   | 3.607 ng  |          | 98       |
| 78) Pyrene                    | 19.522 | 202  | 271286   | 3.262 ng  |          | 99       |
| 81) Benzo(a)anthracene        | 21.245 | 228  | 173566   | 2.093 ng  |          | 93       |
| 88) Benzo(b)fluoranthene      | 22.916 | 252  | 248259   | 3.190 ng  | #        | 94       |
| 89) Benzo(k)fluoranthene      | 22.916 | 252  | 248259   | 3.258 ng  | #        | 93       |
| 90) Benzo(a)pyrene            | 23.521 | 252  | 176461   | 2.650 ng  |          | 97       |
| 92) Benzo(g,h,i)perylene      | 26.857 | 276  | 164494   | 2.029 ng  |          | 97       |
| -----                         |        |      |          |           |          |          |

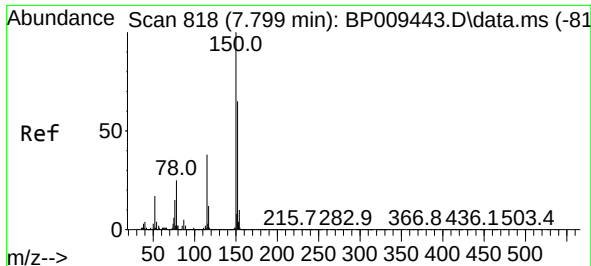
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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BNA\_P  
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CL-02-040122

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 31 04:36:51 2022  
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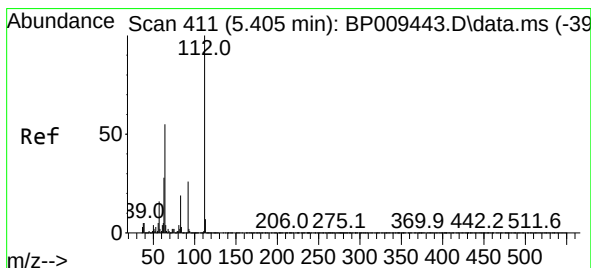
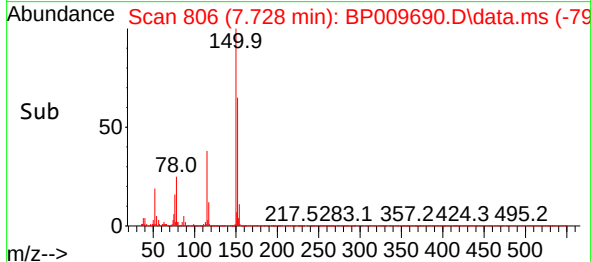
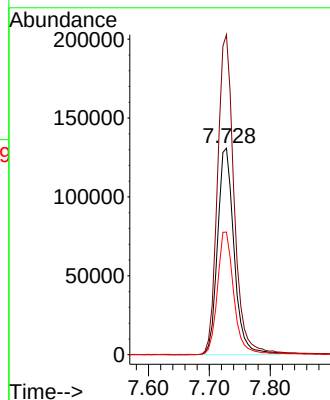
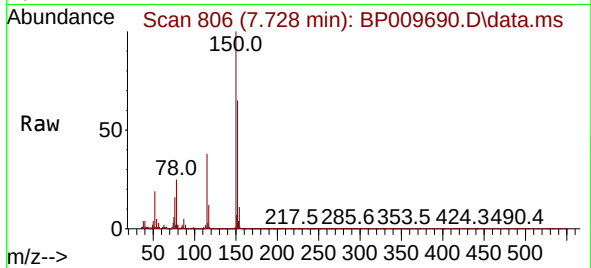




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.728 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

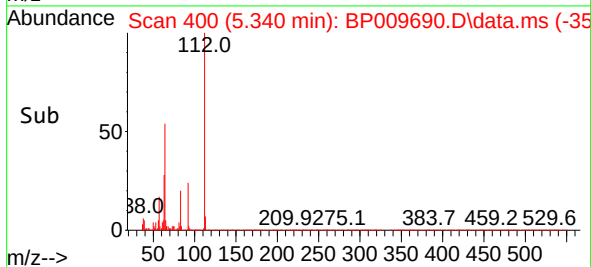
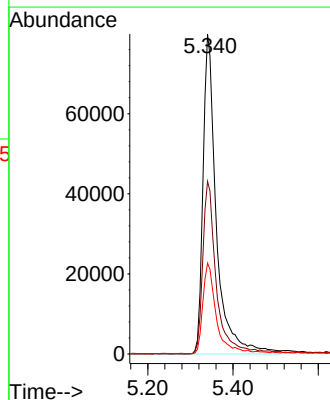
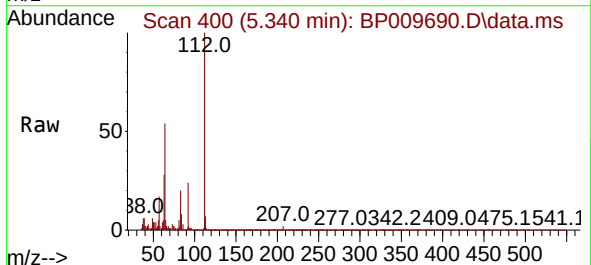
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

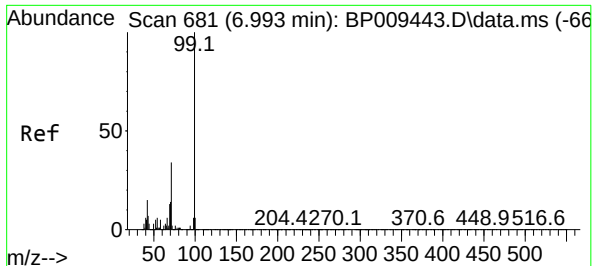
Tgt Ion:152 Resp: 246591  
Ion Ratio Lower Upper  
152 100  
150 154.9 124.5 186.7  
115 59.4 48.2 72.4



#5  
2-Fluorophenol  
Concen: 12.334 ng  
RT: 5.340 min Scan# 400  
Delta R.T. -0.006 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

Tgt Ion:112 Resp: 174209  
Ion Ratio Lower Upper  
112 100  
64 54.0 45.0 67.4  
63 28.4 23.0 34.6

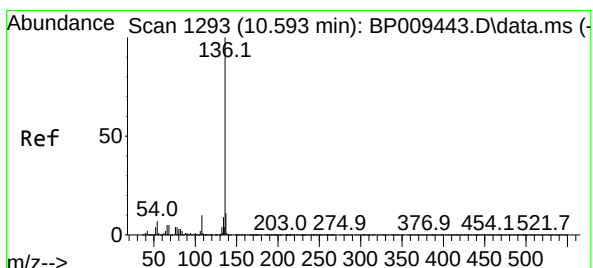
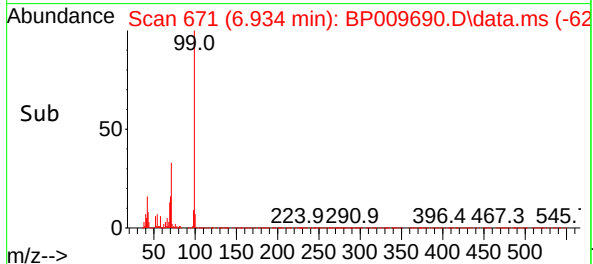
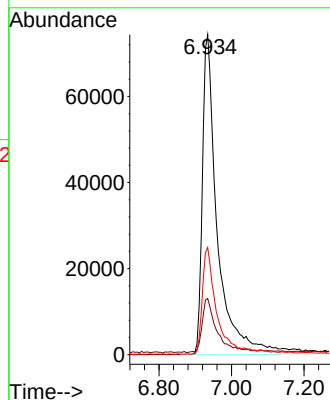
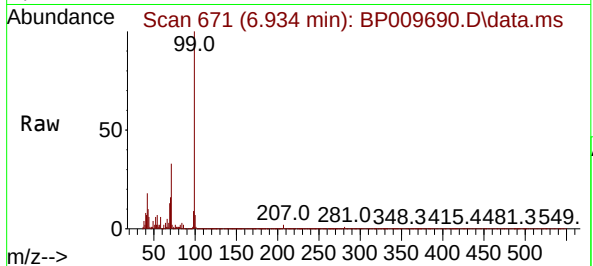




#7  
Phenol-d6  
Concen: 11.106 ng  
RT: 6.934 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

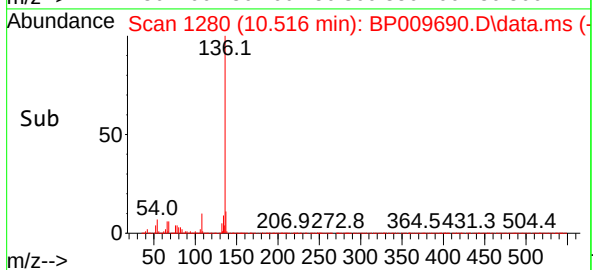
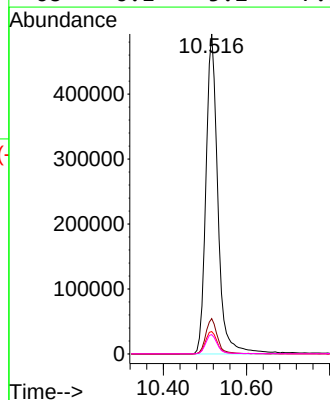
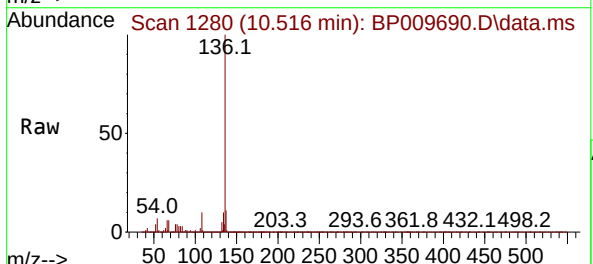
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

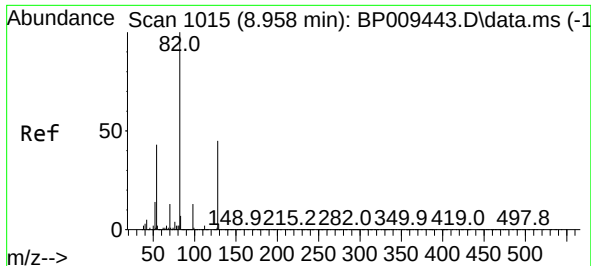
Tgt Ion: 99 Resp: 212124  
Ion Ratio Lower Upper  
99 100  
42 17.6 12.8 19.2  
71 33.4 26.3 39.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.516 min Scan# 1280  
Delta R.T. -0.018 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

Tgt Ion: 136 Resp: 982191  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 7.0 5.8 8.8  
68 6.1 5.2 7.8

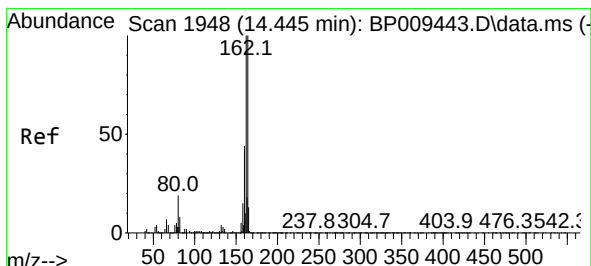
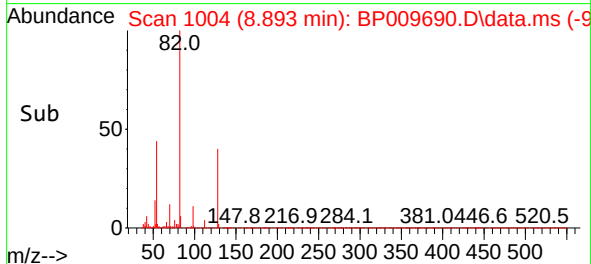
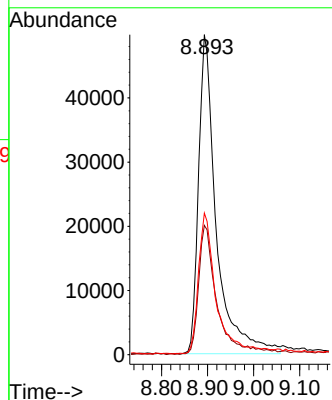
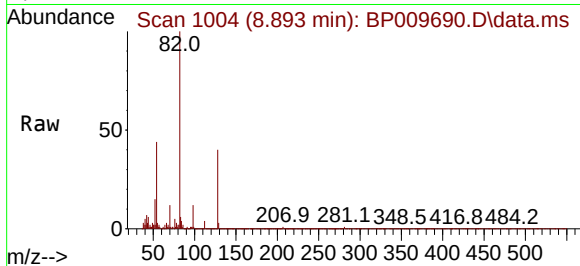




#23  
Nitrobenzene-d5  
Concen: 7.215 ng  
RT: 8.893 min Scan# 1004  
Delta R.T. -0.006 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

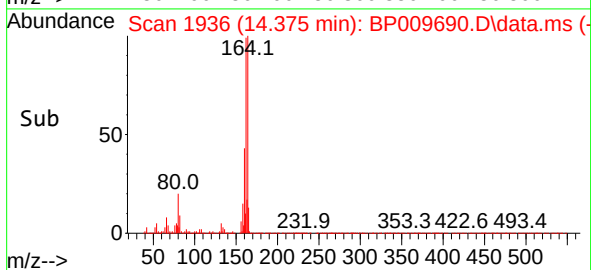
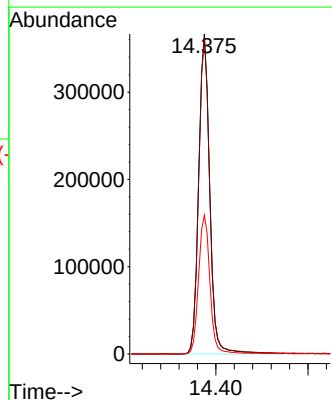
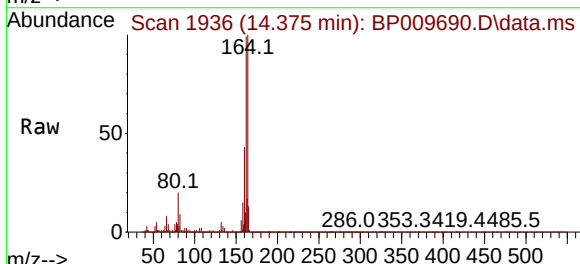
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

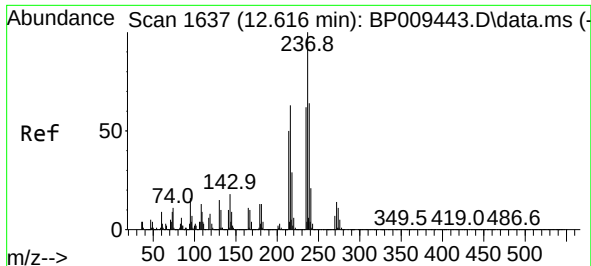
Tgt Ion: 82 Resp: 133351  
Ion Ratio Lower Upper  
82 100  
128 40.4 34.2 51.4  
54 44.3 34.7 52.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.375 min Scan# 1936  
Delta R.T. -0.018 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

Tgt Ion: 164 Resp: 610667  
Ion Ratio Lower Upper  
164 100  
162 98.6 79.1 118.7  
160 43.4 34.9 52.3

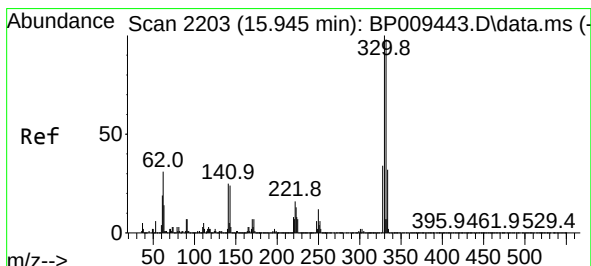
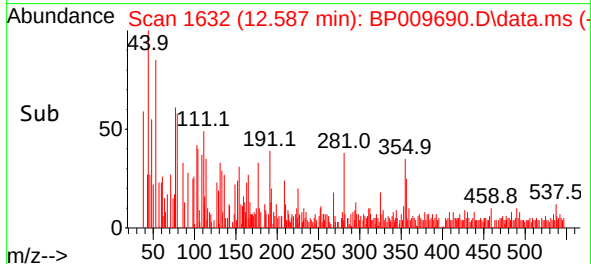
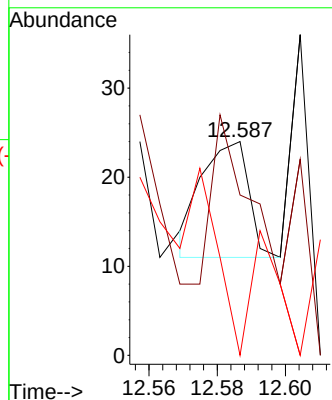
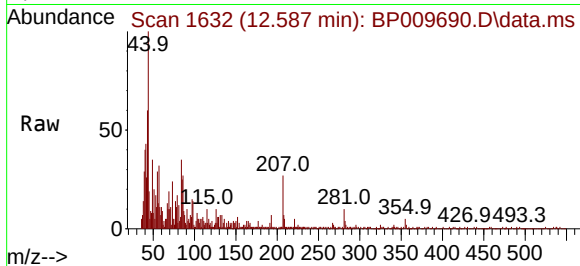




#41  
Hexachlorocyclopentadiene  
Concen: 7.290 ng  
RT: 12.587 min Scan# 1  
Delta R.T. 0.029 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

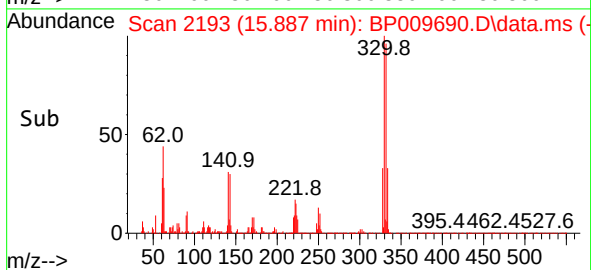
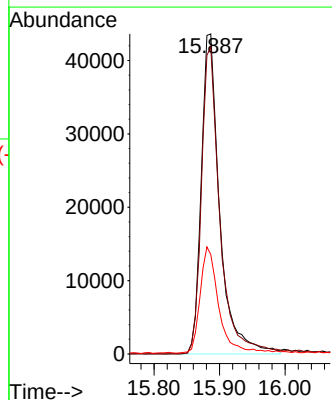
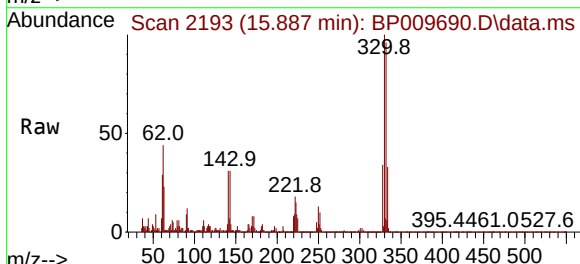
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

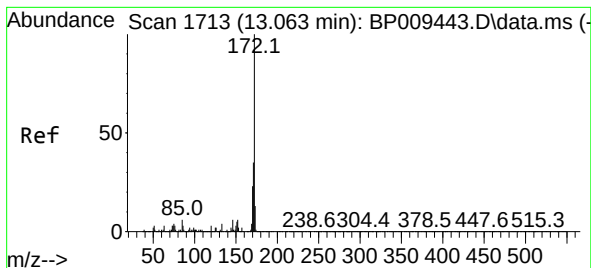
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 12    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 75.0  | 42.6  | 82.6  |
| 272      | 0.0   | 0.0   | 32.8  |



#42  
2,4,6-Tribromophenol  
Concen: 8.501 ng  
RT: 15.887 min Scan# 2193  
Delta R.T. -0.006 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 85665 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 96.1  | 77.0  | 115.6 |
| 141      | 33.9  | 27.6  | 41.4  |





#45

2-Fluorobiphenyl

Concen: 7.469 ng

RT: 12.993 min Scan# 1701

Delta R.T. -0.018 min

Lab File: BP009690.D

Acq: 04 Apr 2022 21:30

Instrument :

BNA\_P

ClientSampleId :

CL-02-040122

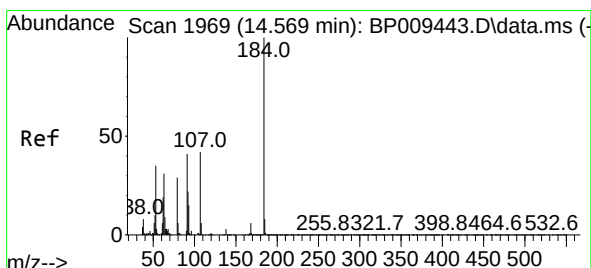
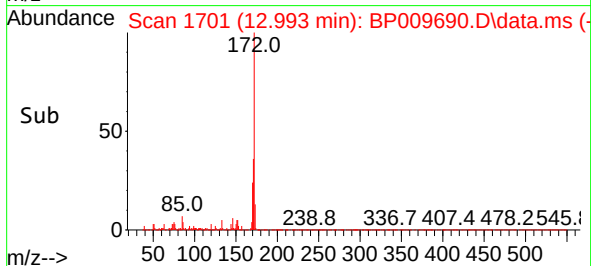
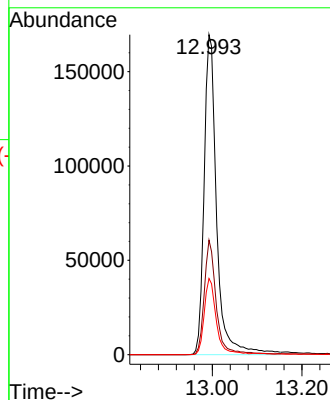
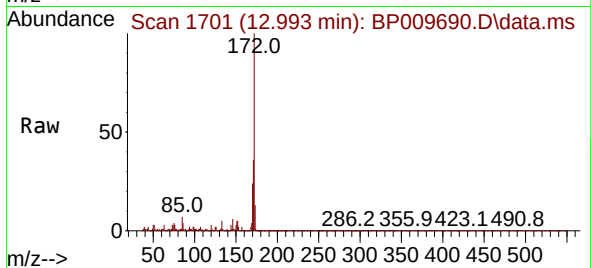
Tgt Ion:172 Resp: 329025

Ion Ratio Lower Upper

172 100

171 35.8 28.0 42.0

170 23.8 18.6 27.8



#54

2,4-Dinitrophenol

Concen: 4.548 ng

RT: 14.510 min Scan# 1959

Delta R.T. -0.018 min

Lab File: BP009690.D

Acq: 04 Apr 2022 21:30

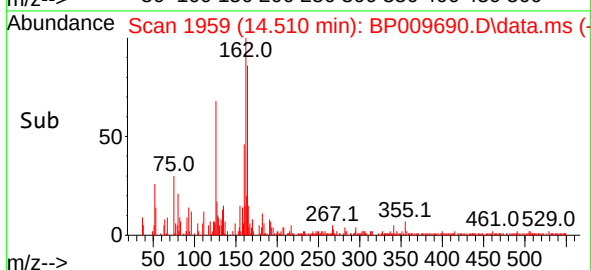
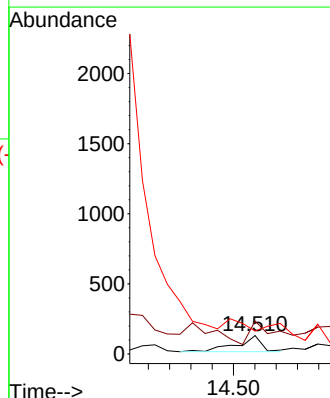
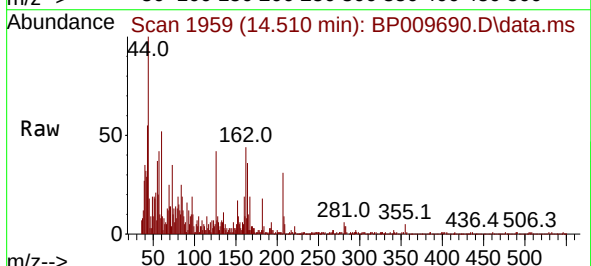
Tgt Ion:184 Resp: 96

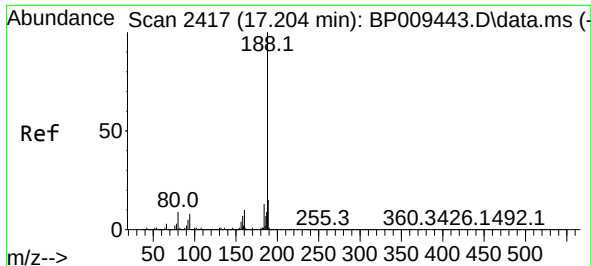
Ion Ratio Lower Upper

184 100

63 178.0 46.3 69.5#

154 124.2 45.8 68.6#

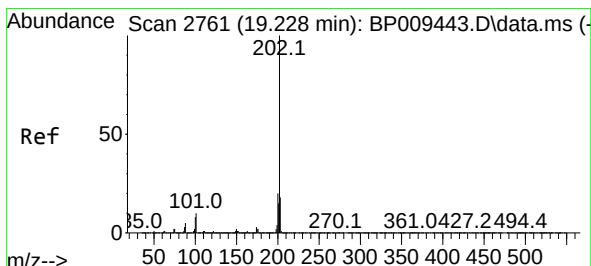
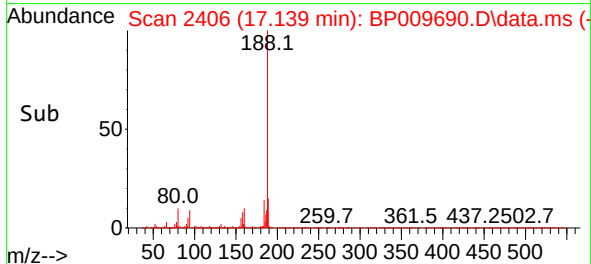
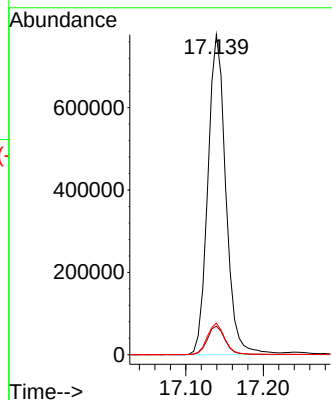
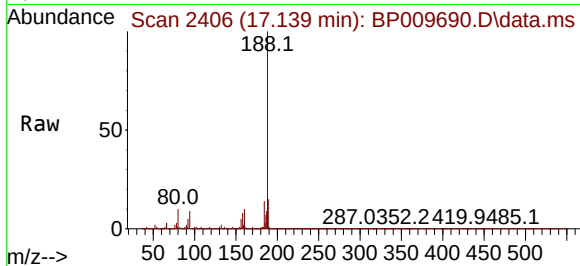




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.139 min Scan# 2417  
Delta R.T. -0.018 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

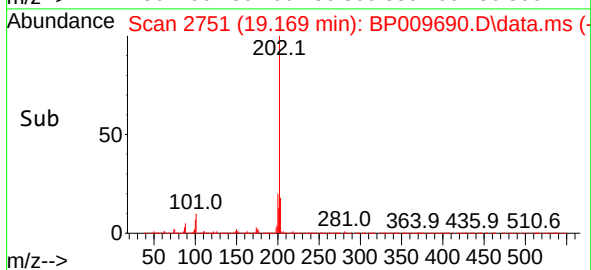
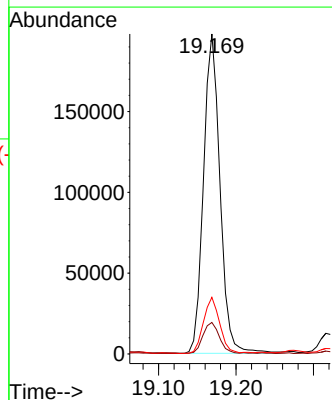
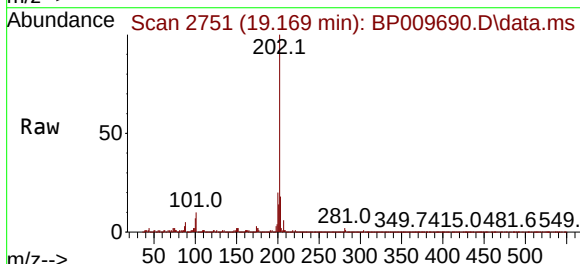
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

Tgt Ion:188 Resp: 1252618  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.9 11.9  
80 9.9 8.8 13.2

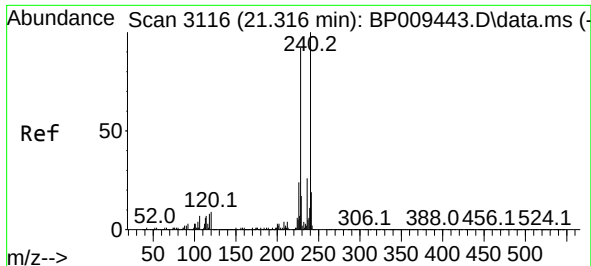


#75  
Fluoranthene  
Concen: 3.607 ng  
RT: 19.169 min Scan# 2751  
Delta R.T. -0.012 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

Tgt Ion:202 Resp: 292808  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 31.5  
203 17.7 0.0 37.8



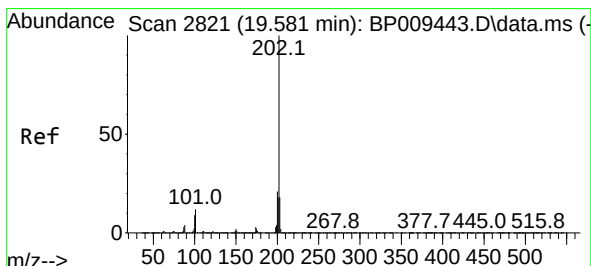
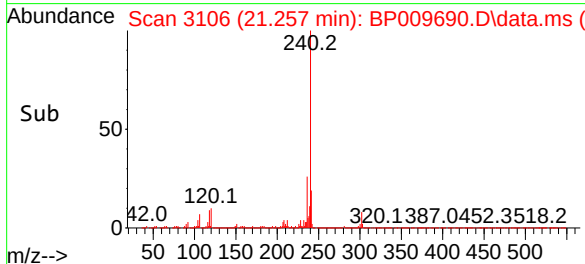
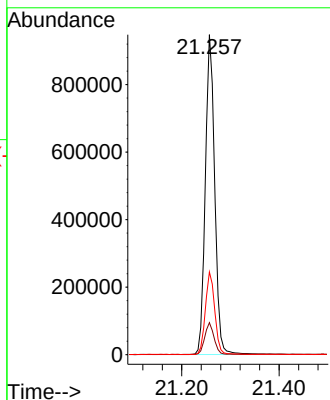
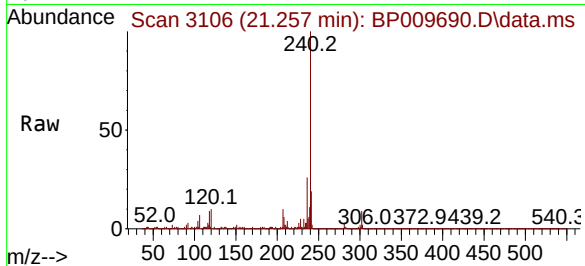




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.257 min Scan# 3116  
Delta R.T. -0.018 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

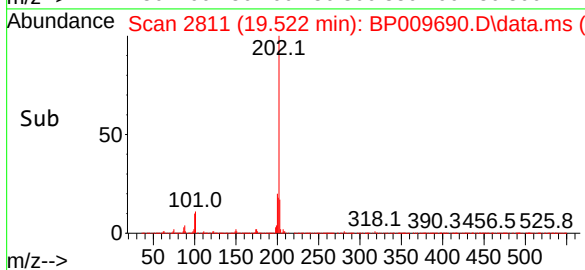
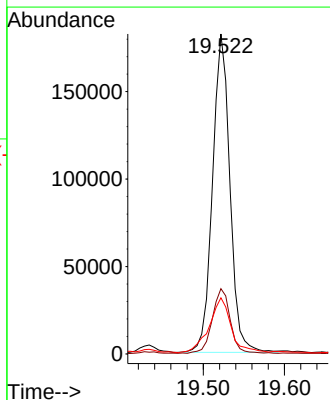
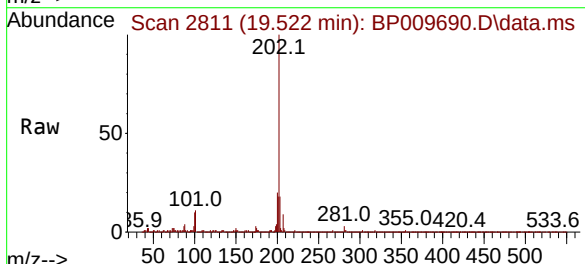
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

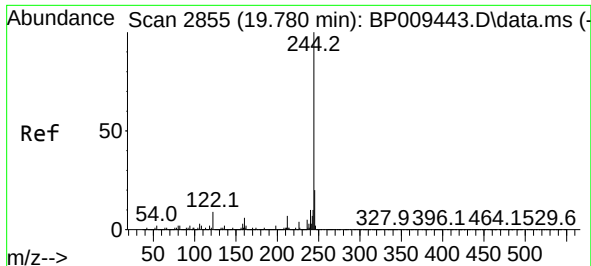
Tgt Ion:240 Resp: 1262247  
Ion Ratio Lower Upper  
240 100  
120 10.0 9.0 13.4  
236 25.9 20.6 30.8



#78  
Pyrene  
Concen: 3.262 ng  
RT: 19.522 min Scan# 2811  
Delta R.T. -0.018 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

Tgt Ion:202 Resp: 271286  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.8 25.2  
203 17.5 14.2 21.4

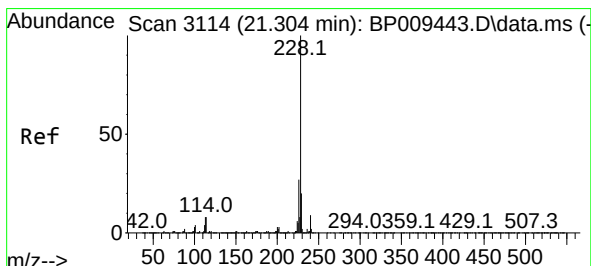
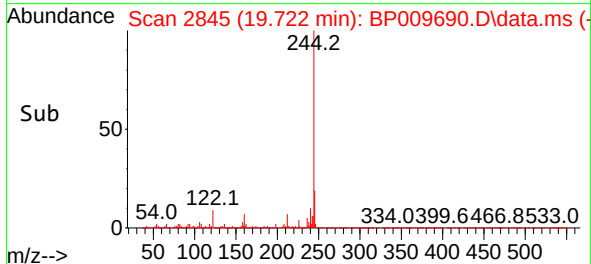
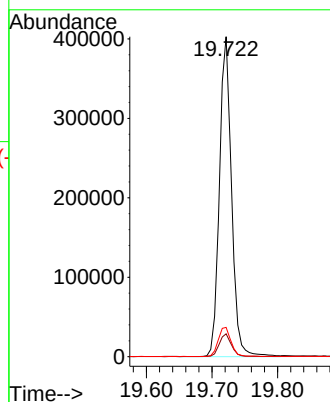
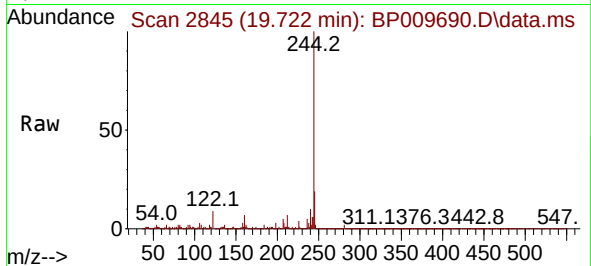




#79  
 Terphenyl-d14  
 Concen: 7.307 ng  
 RT: 19.722 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: BP009690.D  
 Acq: 04 Apr 2022 21:30

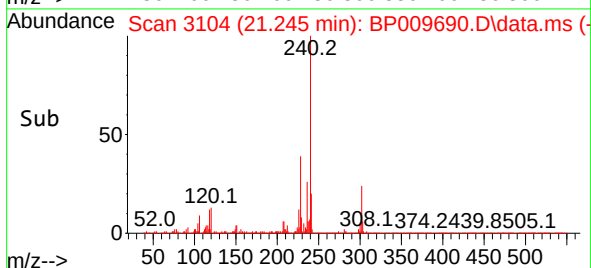
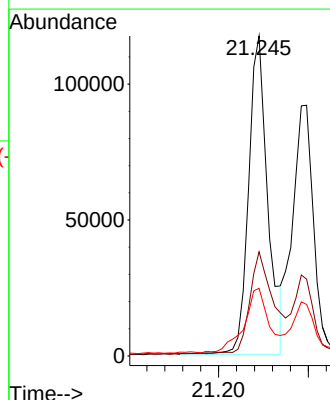
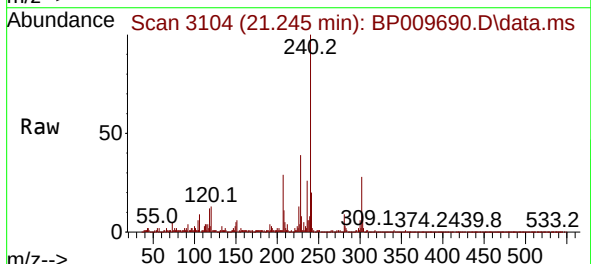
Instrument :  
 BNA\_P  
 ClientSampleId :  
 CL-02-040122

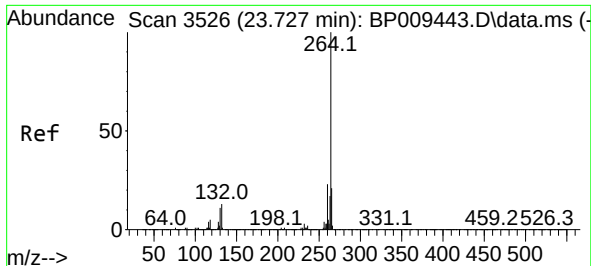
Tgt Ion:244 Resp: 513876  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.6  
 122 9.2 8.3 12.5



#81  
 Benzo(a)anthracene  
 Concen: 2.093 ng  
 RT: 21.245 min Scan# 3104  
 Delta R.T. -0.018 min  
 Lab File: BP009690.D  
 Acq: 04 Apr 2022 21:30

Tgt Ion:228 Resp: 173566  
 Ion Ratio Lower Upper  
 228 100  
 226 32.6 22.0 33.0  
 229 21.2 16.1 24.1

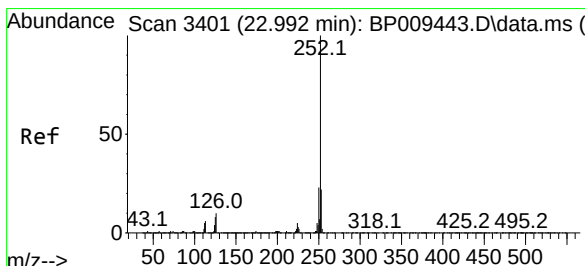
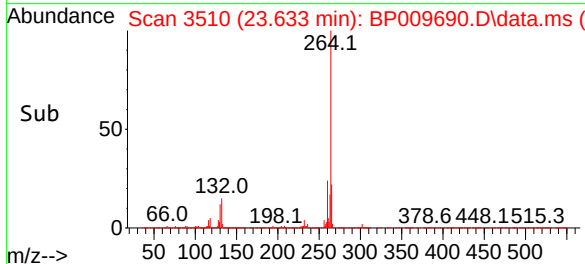
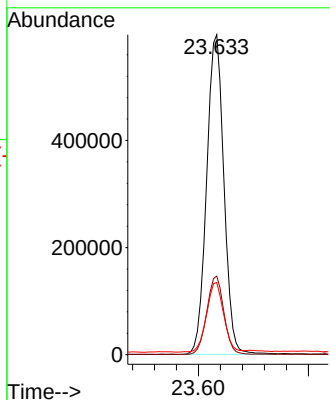
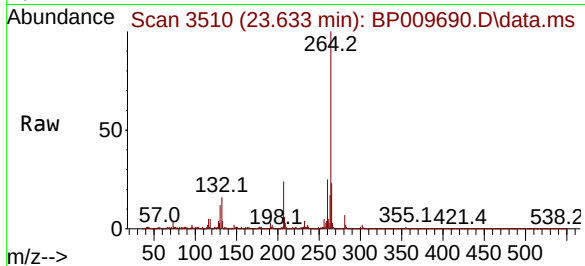




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.633 min Scan# 31  
 Delta R.T. -0.018 min  
 Lab File: BP009690.D  
 Acq: 04 Apr 2022 21:30

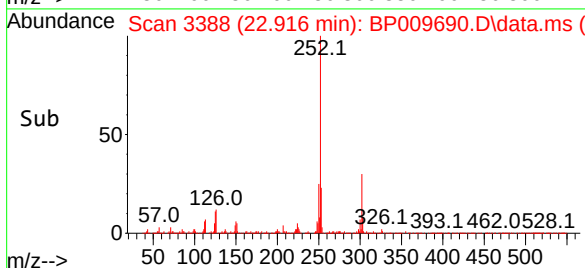
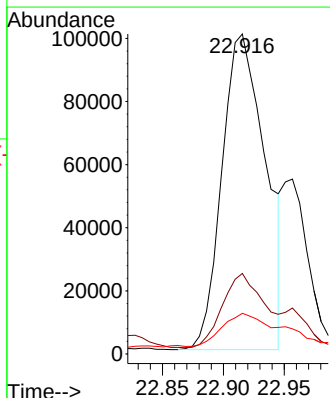
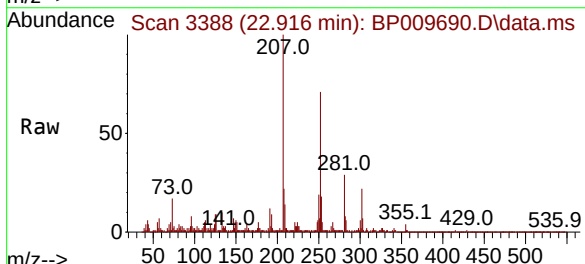
Instrument :  
 BNA\_P  
 ClientSampleId :  
 CL-02-040122

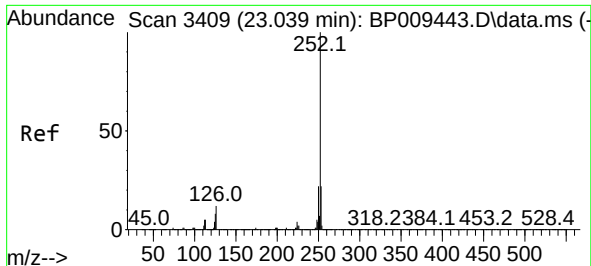
Tgt Ion:264 Resp: 1303589  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.4 29.0  
 265 22.6 17.2 25.8



#88  
 Benzo(b)fluoranthene  
 Concen: 3.190 ng  
 RT: 22.916 min Scan# 3388  
 Delta R.T. -0.012 min  
 Lab File: BP009690.D  
 Acq: 04 Apr 2022 21:30

Tgt Ion:252 Resp: 248259  
 Ion Ratio Lower Upper  
 252 100  
 253 25.1 17.8 26.8  
 125 12.7 8.1 12.1#

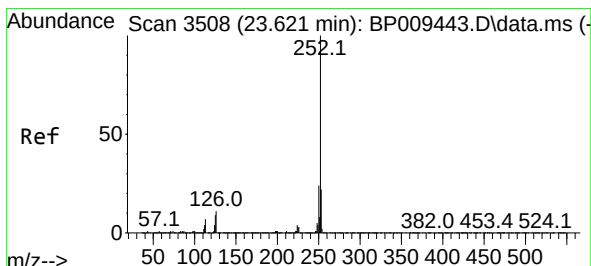
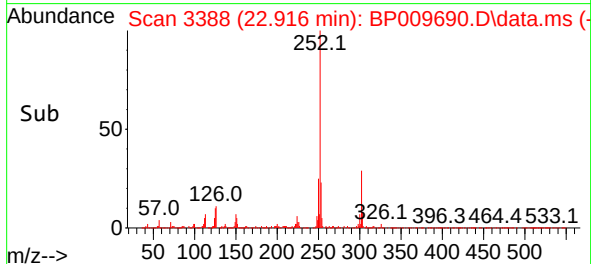
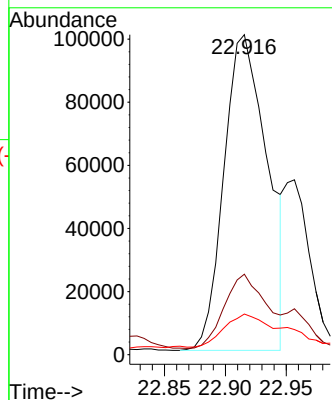
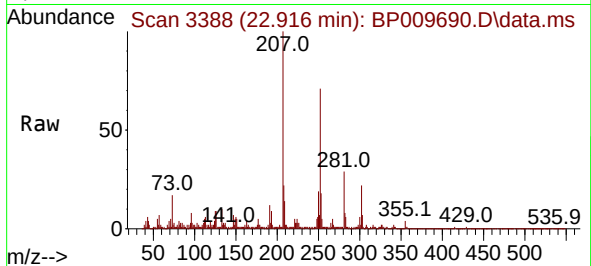




#89  
Benzo(k)fluoranthene  
Concen: 3.258 ng  
RT: 22.916 min Scan# 31  
Delta R.T. -0.065 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

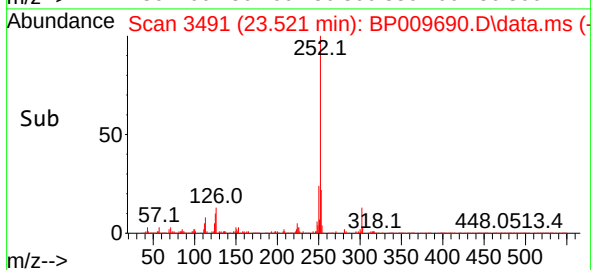
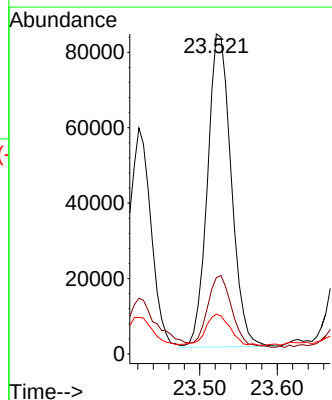
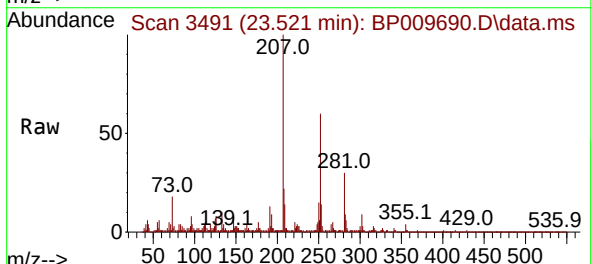
Instrument :  
BNA\_P  
ClientSampleId :  
CL-02-040122

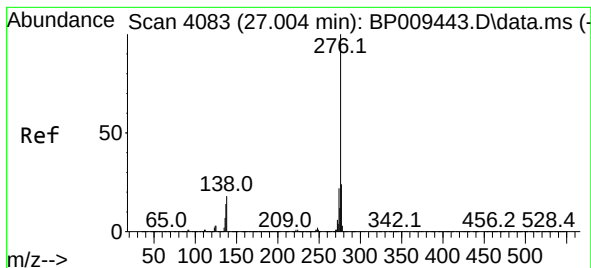
Tgt Ion:252 Resp: 248259  
Ion Ratio Lower Upper  
252 100  
253 25.1 17.5 26.3  
125 12.7 8.3 12.5#



#90  
Benzo(a)pyrene  
Concen: 2.650 ng  
RT: 23.521 min Scan# 3491  
Delta R.T. -0.029 min  
Lab File: BP009690.D  
Acq: 04 Apr 2022 21:30

Tgt Ion:252 Resp: 176461  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.8 26.6  
125 12.4 9.3 13.9





#92

Benzo(g,h,i)perylene

Concen: 2.029 ng

RT: 26.857 min Scan# 40

Delta R.T. -0.041 min

Lab File: BP009690.D

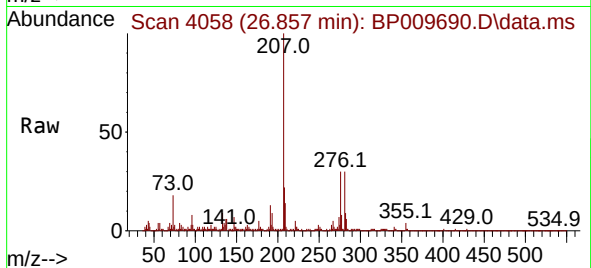
Acq: 04 Apr 2022 21:30

Instrument :

BNA\_P

ClientSampleId :

CL-02-040122



Tgt Ion: 276 Resp: 164494

Ion Ratio Lower Upper

276 100

277 25.4 19.2 28.8

138 21.1 18.0 27.0

