

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020822\  
 Data File : BP009067.D  
 Acq On : 08 Feb 2022 19:58  
 Operator : CG/JU  
 Sample : N1381-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DB-09(10-15)-02-02-22

Quant Time: Feb 09 00:28:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 07 15:13:17 2022  
 Response via : Initial Calibration

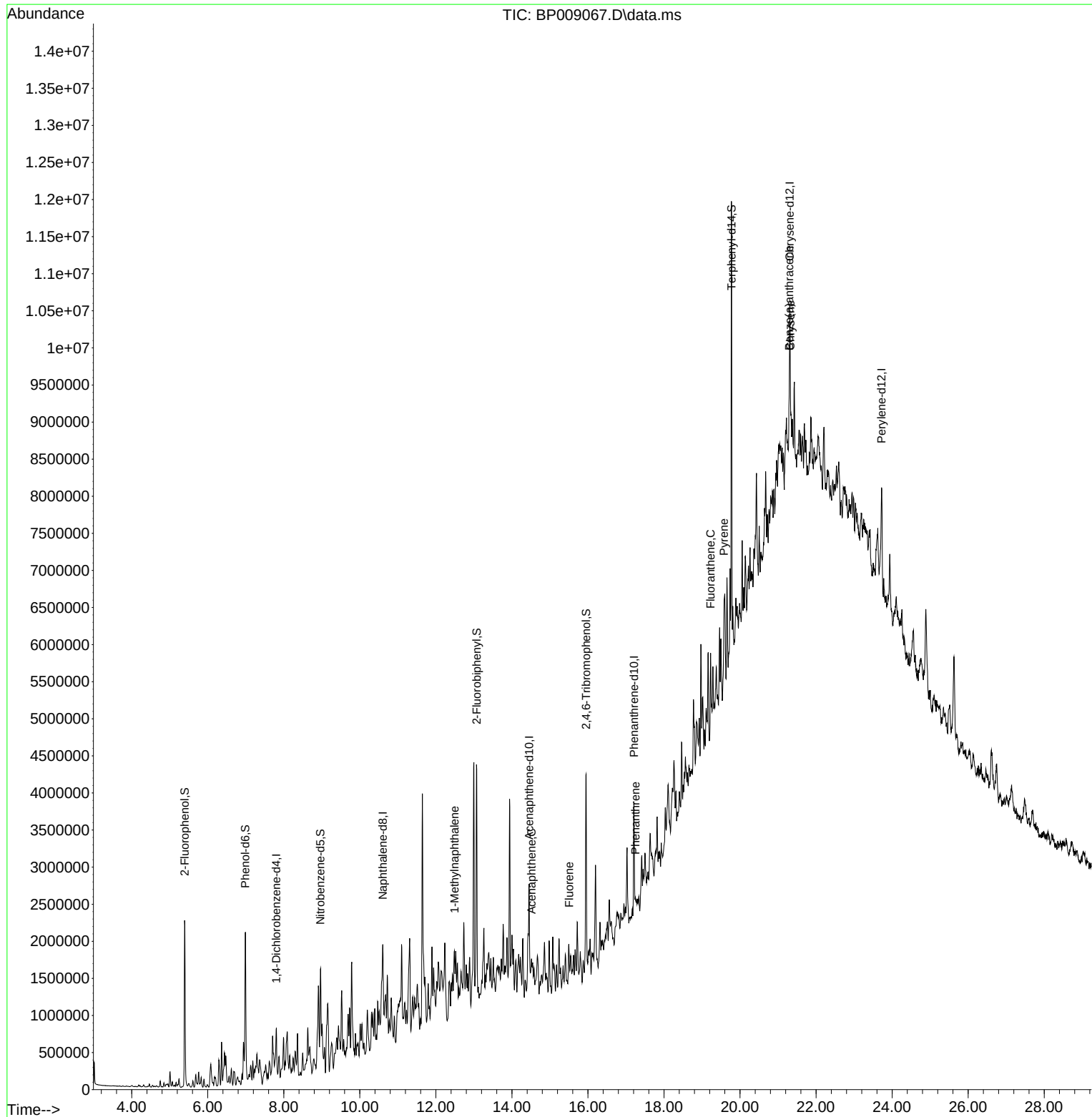
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.805  | 152  | 185676   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.604 | 136  | 630060   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.451 | 164  | 383520   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.210 | 188  | 859015   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.310 | 240  | 1041744  | 20.000  | ng    | 0.01     |
| 86) Perylene-d12            | 23.721 | 264  | 1245251  | 20.000  | ng    | 0.03     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.393  | 112  | 1117800  | 107.388 | ng    | 0.00     |
| 7) Phenol-d6                | 6.987  | 99   | 1325850  | 96.667  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.963  | 82   | 824920   | 73.835  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.951 | 330  | 635398   | 124.085 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.075 | 172  | 1817229  | 66.331  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.774 | 244  | 3026175  | 52.240  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 38) 1-Methylnaphthalene     | 12.493 | 142  | 172170   | 7.748   | ng    | # 97     |
| 52) Acenaphthene            | 14.516 | 154  | 70433    | 3.429   | ng    | 95       |
| 58) Fluorene                | 15.504 | 166  | 75309    | 2.833   | ng    | # 82     |
| 71) Phenanthrene            | 17.251 | 178  | 108304   | 2.328   | ng    | # 72     |
| 75) Fluoranthene            | 19.227 | 202  | 481213   | 9.231   | ng    | 92       |
| 78) Pyrene                  | 19.580 | 202  | 606937   | 8.190   | ng    | # 93     |
| 81) Benzo(a)anthracene      | 21.292 | 228  | 147446   | 2.196   | ng    | # 26     |
| 83) Chrysene                | 21.327 | 228  | 373465   | 5.771   | ng    | # 49     |
| -----                       |        |      |          |         |       |          |

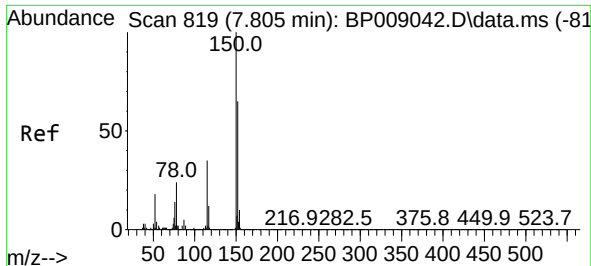
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020822\  
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Instrument :  
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DB-09(10-15)-02-02-22

Quant Time: Feb 09 00:28:25 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 07 15:13:17 2022  
Response via : Initial Calibration

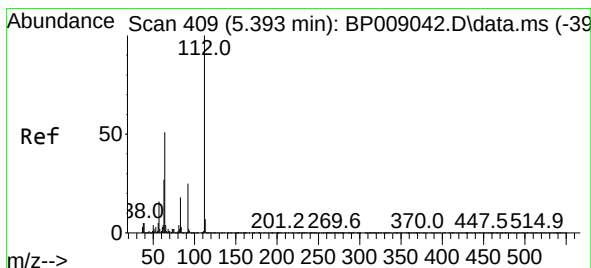
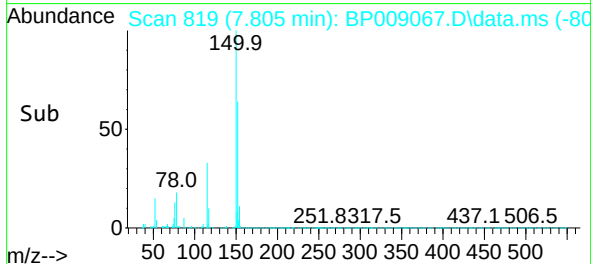
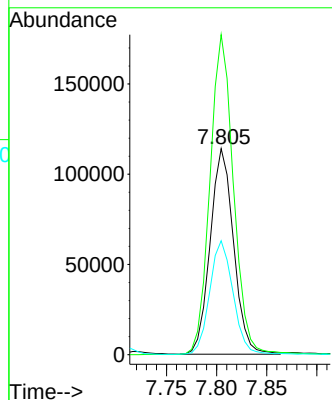
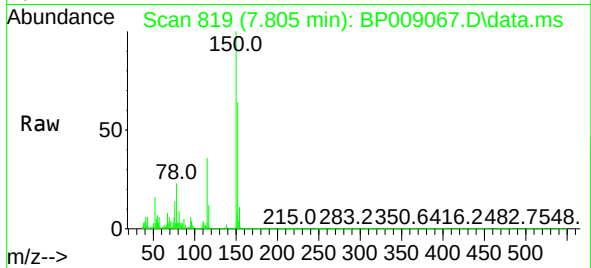




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

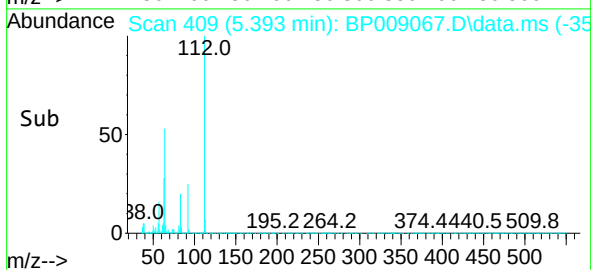
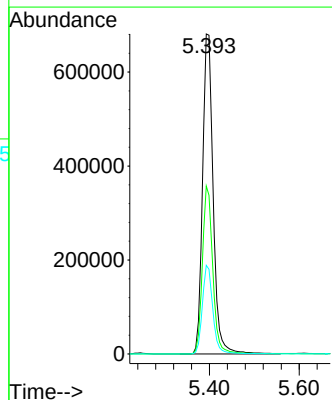
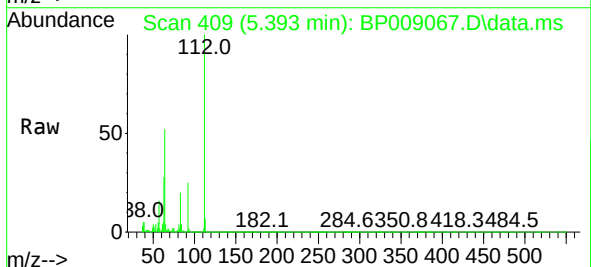
Instrument :  
BNA\_P  
ClientSampleId :  
DB-09(10-15)-02-02-22

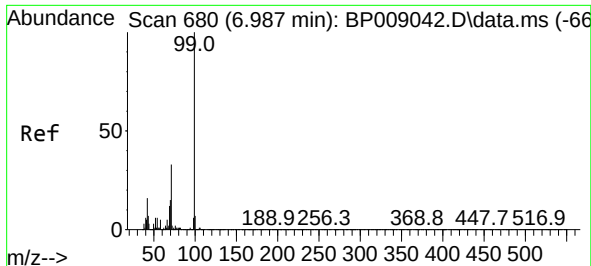
Tgt Ion:152 Resp: 185676  
Ion Ratio Lower Upper  
152 100  
150 155.3 127.0 190.6  
115 55.3 43.7 65.5



#5  
2-Fluorophenol  
Concen: 107.388 ng  
RT: 5.393 min Scan# 409  
Delta R.T. -0.000 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

Tgt Ion:112 Resp: 1117800  
Ion Ratio Lower Upper  
112 100  
64 52.5 39.7 59.5  
63 27.7 20.0 30.0

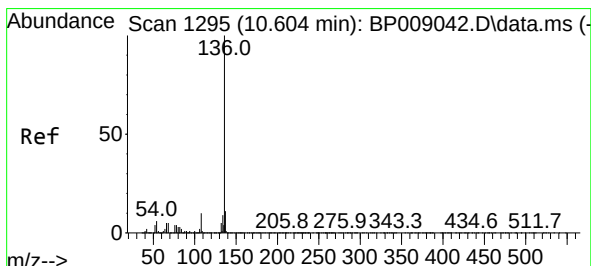
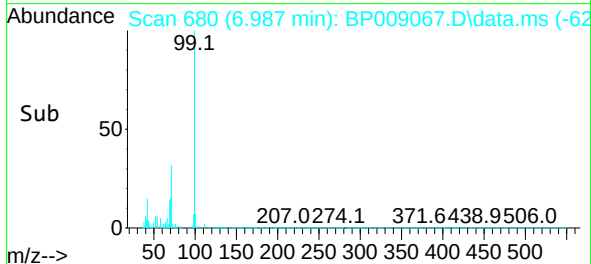
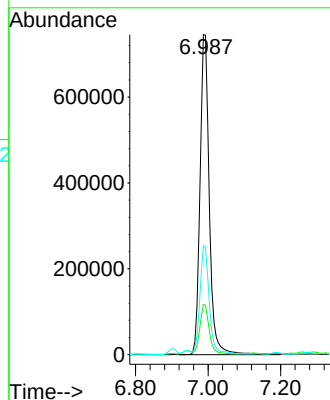
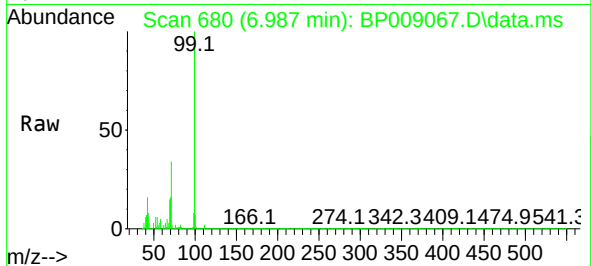




#7  
Phenol-d6  
Concen: 96.667 ng  
RT: 6.987 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

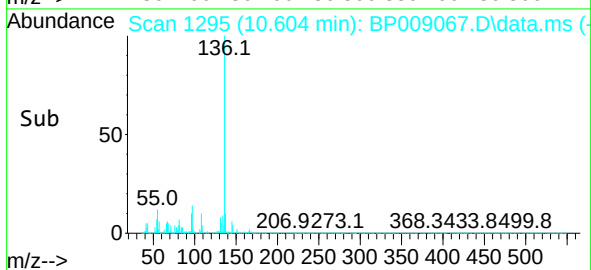
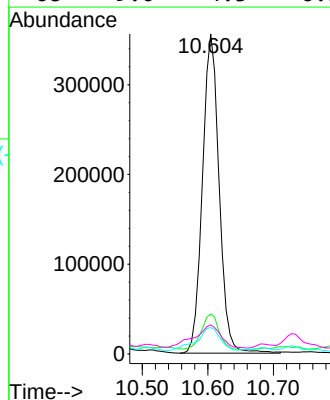
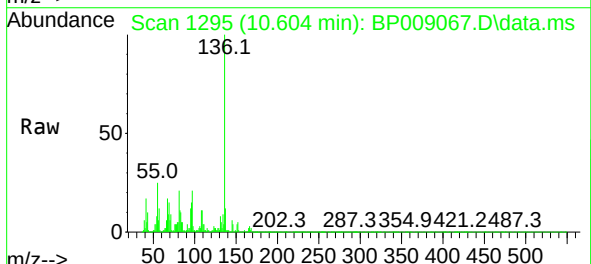
Instrument :  
BNA\_P  
ClientSampleId :  
DB-09(10-15)-02-02-22

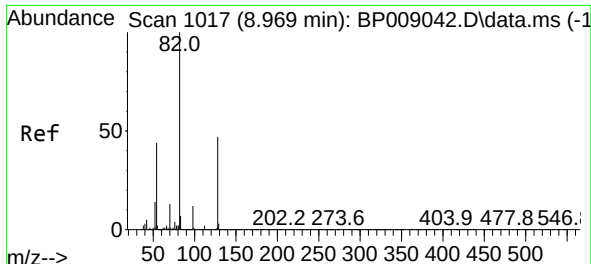
Tgt Ion: 99 Resp: 1325850  
Ion Ratio Lower Upper  
99 100  
42 15.6 10.8 16.2  
71 34.0 23.8 35.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.604 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

Tgt Ion: 136 Resp: 630060  
Ion Ratio Lower Upper  
136 100  
137 12.4 9.0 13.4  
54 8.3 4.9 7.3#  
68 9.0 4.3 6.5#

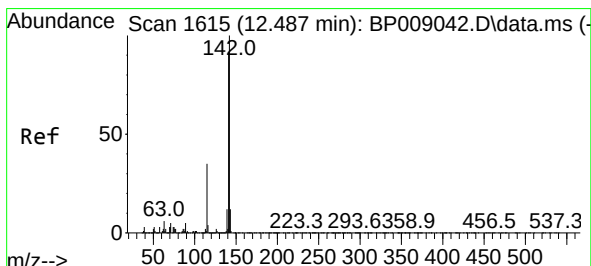
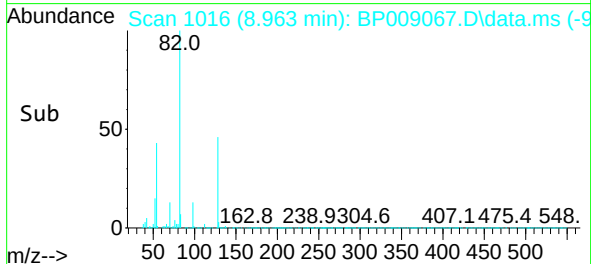
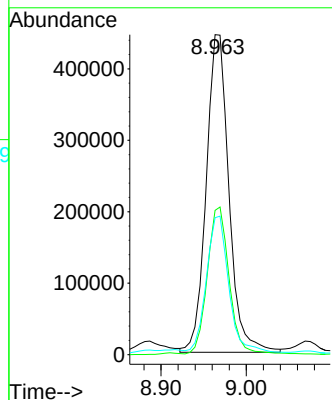
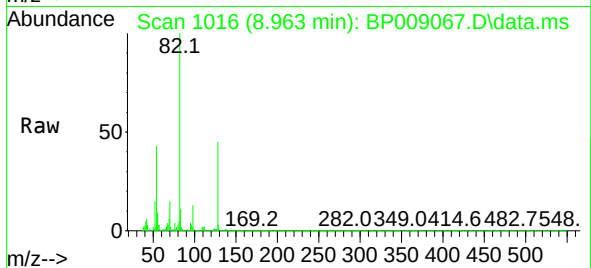




#23  
Nitrobenzene-d5  
Concen: 73.835 ng  
RT: 8.963 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

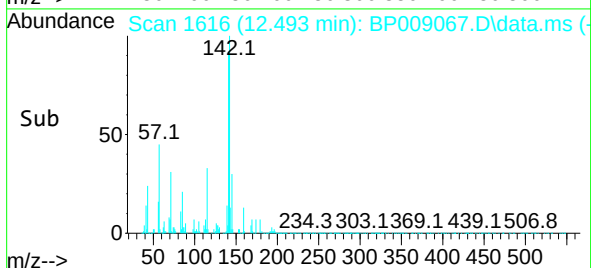
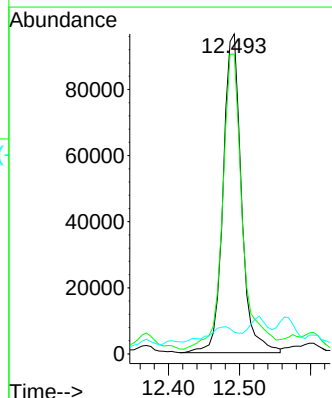
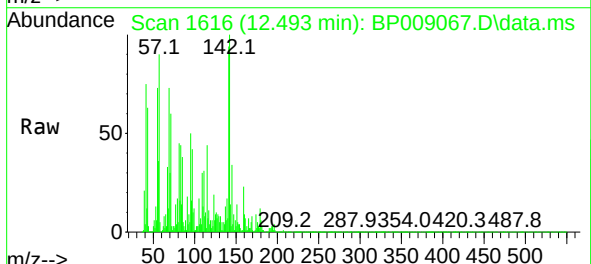
Instrument :  
BNA\_P  
ClientSampleId :  
DB-09(10-15)-02-02-22

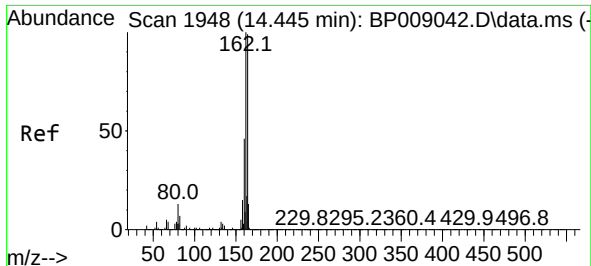
Tgt Ion: 82 Resp: 824920  
Ion Ratio Lower Upper  
82 100  
128 45.1 39.4 59.2  
54 42.8 32.6 48.8



#38  
1-Methylnaphthalene  
Concen: 7.748 ng  
RT: 12.493 min Scan# 1616  
Delta R.T. 0.006 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

Tgt Ion: 142 Resp: 172170  
Ion Ratio Lower Upper  
142 100  
141 93.7 73.2 109.8  
116 6.8 2.7 4.1#

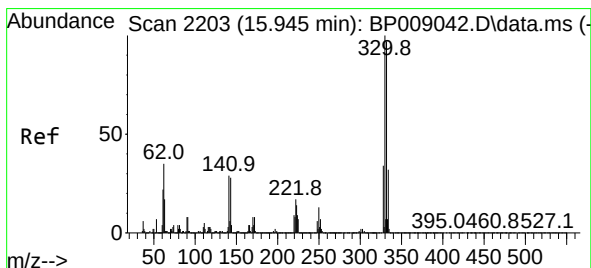
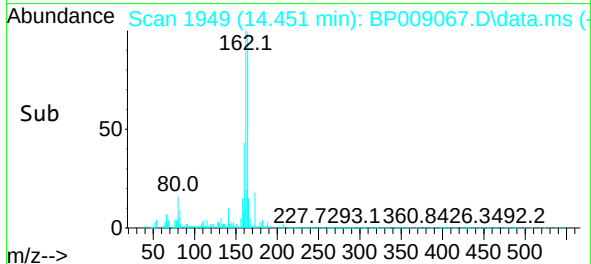
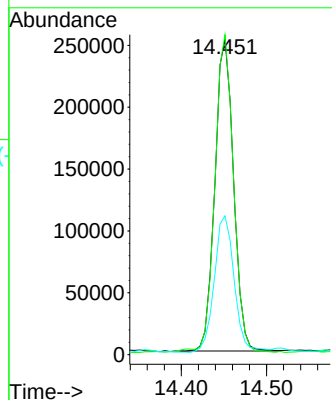
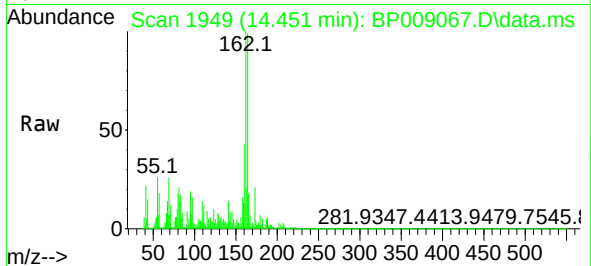




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.451 min Scan# 1949  
Delta R.T. 0.006 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

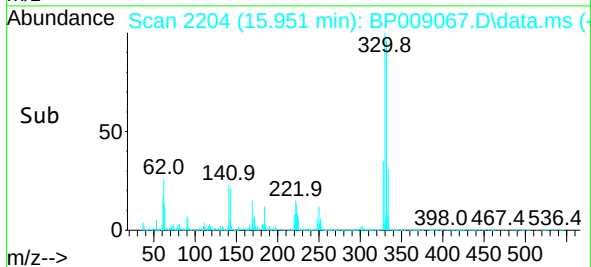
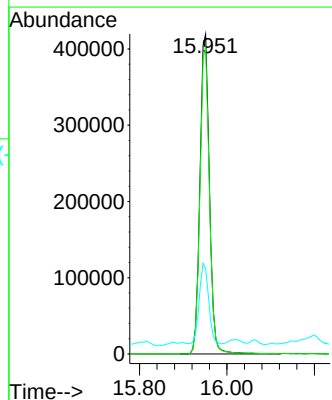
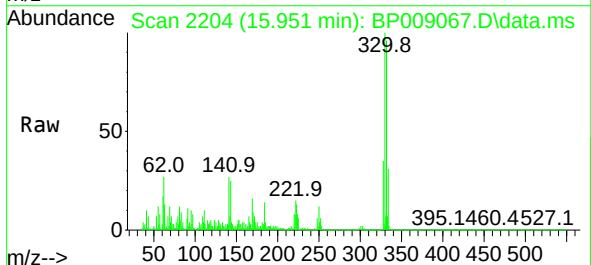
Instrument :  
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DB-09(10-15)-02-02-22

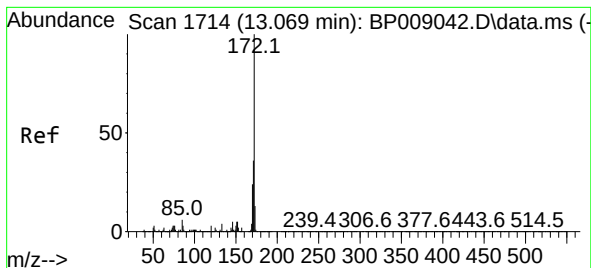
Tgt Ion:164 Resp: 383520  
Ion Ratio Lower Upper  
164 100  
162 101.5 79.9 119.9  
160 44.1 35.5 53.3



#42  
2,4,6-Tribromophenol  
Concen: 124.085 ng  
RT: 15.951 min Scan# 2204  
Delta R.T. 0.006 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

Tgt Ion:330 Resp: 635398  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.0 115.4  
141 25.5 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 66.331 ng

RT: 13.075 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

Instrument :

BNA\_P

ClientSampleId :

DB-09(10-15)-02-02-22

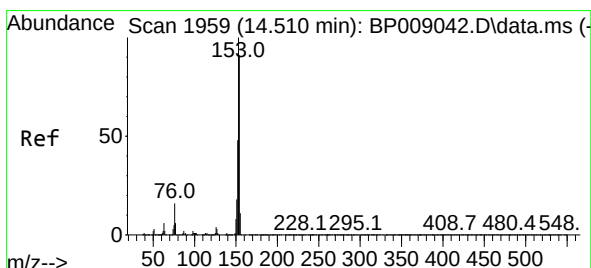
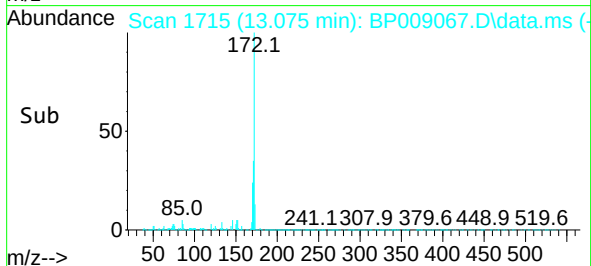
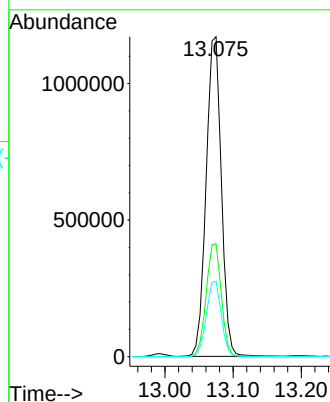
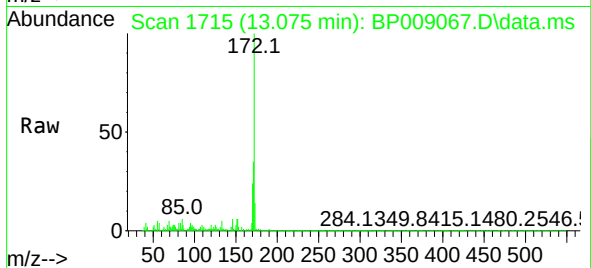
Tgt Ion:172 Resp: 1817229

Ion Ratio Lower Upper

172 100

171 35.3 29.3 43.9

170 23.5 19.5 29.3



#52

Acenaphthene

Concen: 3.429 ng

RT: 14.516 min Scan# 1960

Delta R.T. 0.006 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

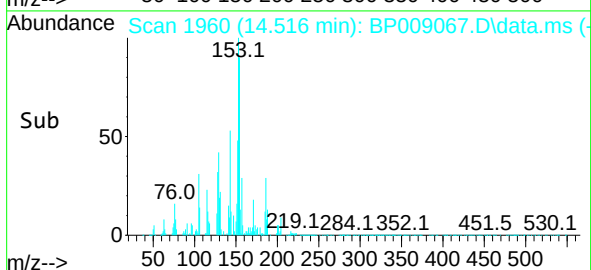
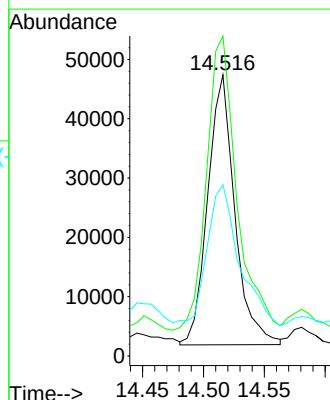
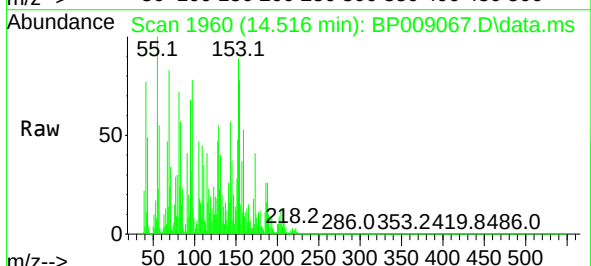
Tgt Ion:154 Resp: 70433

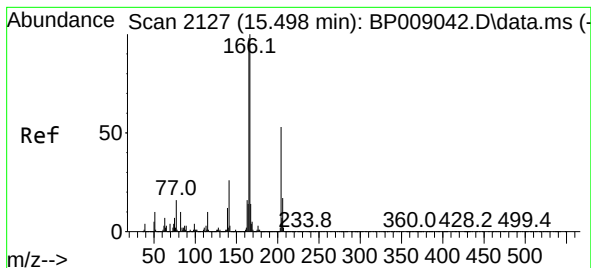
Ion Ratio Lower Upper

154 100

153 113.9 89.4 134.2

152 60.9 42.6 63.8





#58

Fluorene

Concen: 2.833 ng

RT: 15.504 min Scan# 2127

Delta R.T. 0.006 min

Lab File: BP009067.D

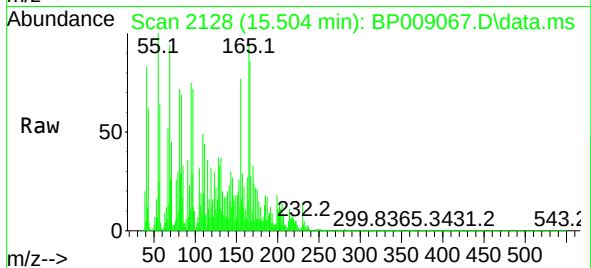
Acq: 08 Feb 2022 19:58

Instrument :

BNA\_P

ClientSampleId :

DB-09(10-15)-02-02-22



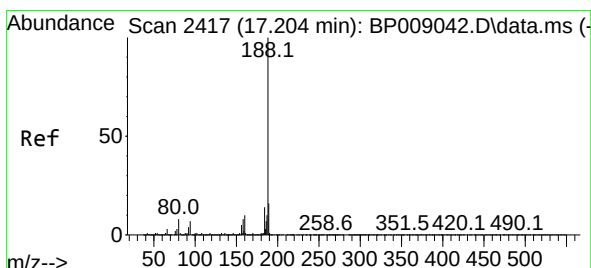
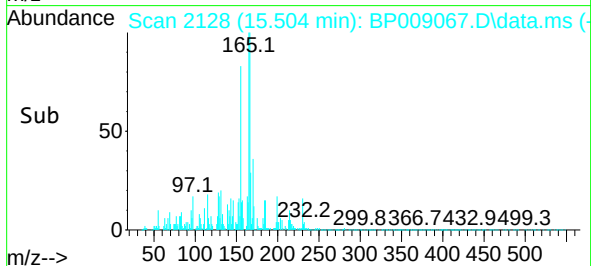
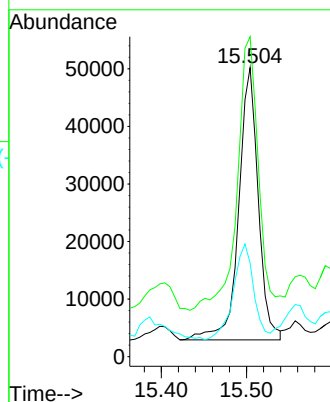
Tgt Ion:166 Resp: 75309

Ion Ratio Lower Upper

166 100

165 110.7 77.2 115.8

167 32.4 11.2 16.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.210 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

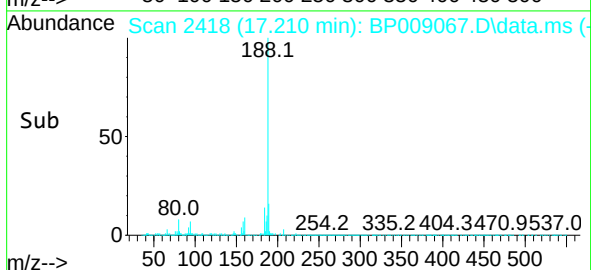
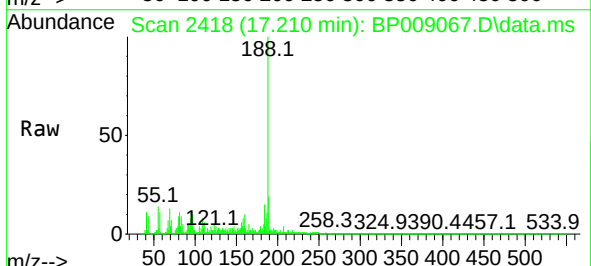
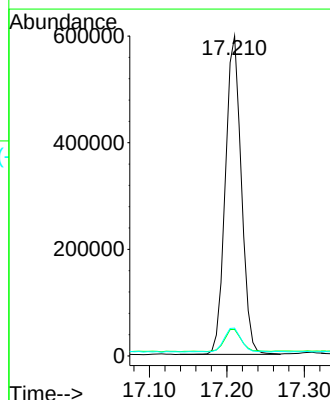
Tgt Ion:188 Resp: 859015

Ion Ratio Lower Upper

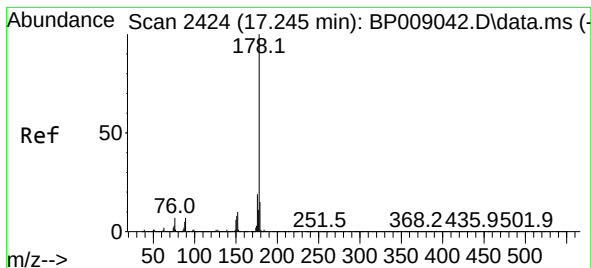
188 100

94 8.3 6.8 10.2

80 8.7 7.2 10.8







#71

Phenanthrene

Concen: 2.328 ng

RT: 17.251 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

Instrument :

BNA\_P

ClientSampleId :

DB-09(10-15)-02-02-22

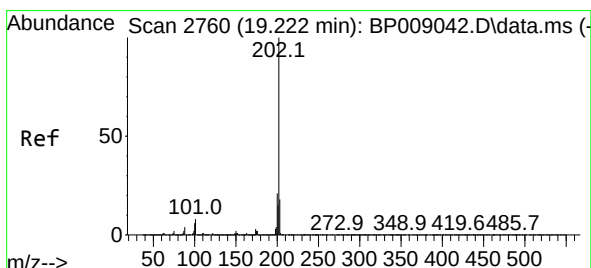
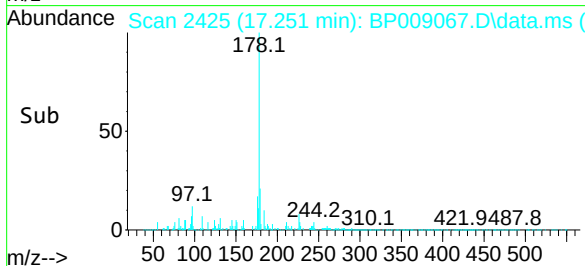
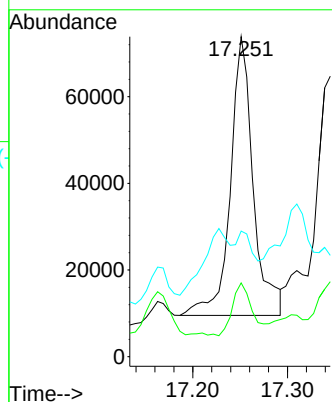
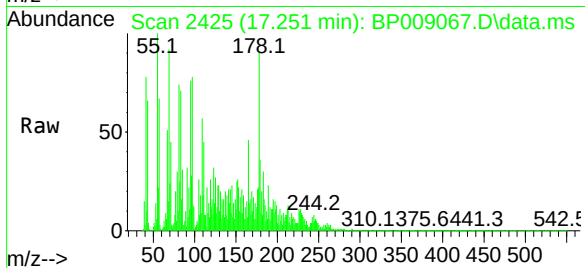
Tgt Ion:178 Resp: 108304

Ion Ratio Lower Upper

178 100

176 23.1 16.0 24.0

179 39.3 13.0 19.4#



#75

Fluoranthene

Concen: 9.231 ng

RT: 19.227 min Scan# 2761

Delta R.T. 0.006 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

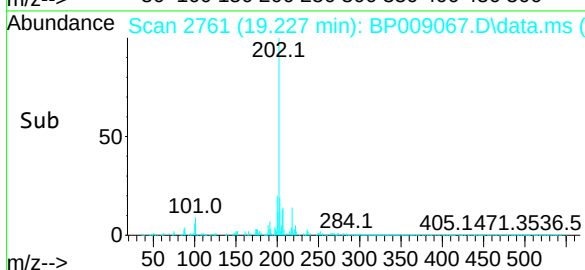
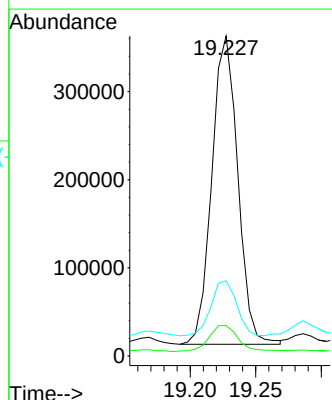
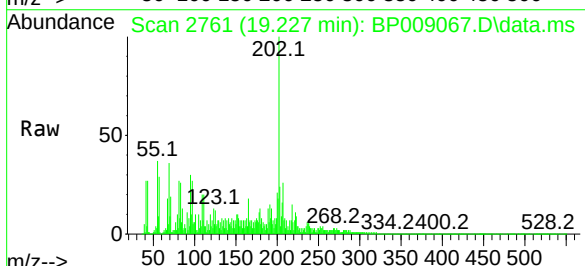
Tgt Ion:202 Resp: 481213

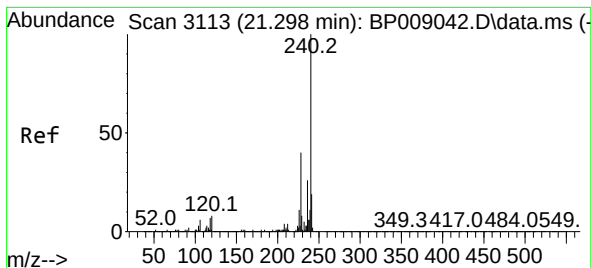
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.7

203 23.5 0.0 38.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.310 min Scan# 3115

Delta R.T. 0.012 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

Instrument :

BNA\_P

ClientSampleId :

DB-09(10-15)-02-02-22

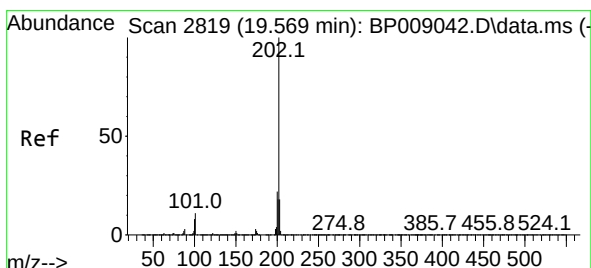
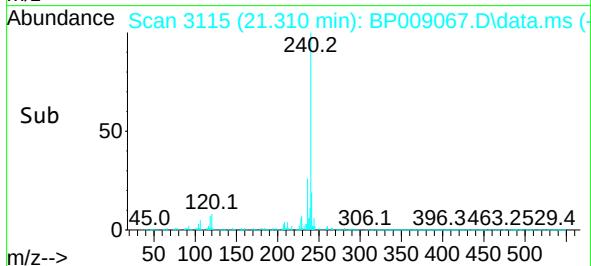
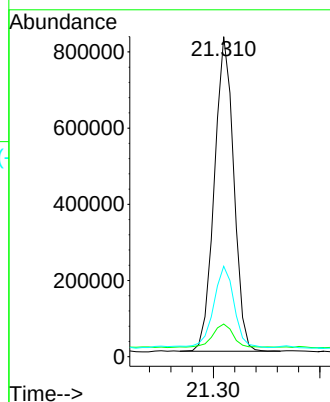
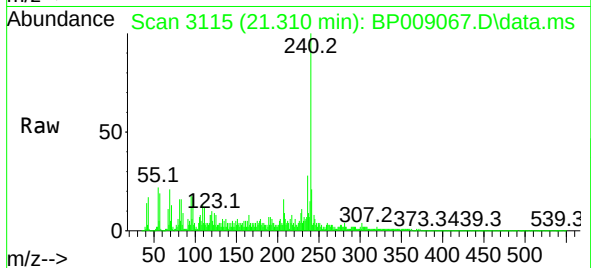
Tgt Ion:240 Resp: 1041744

Ion Ratio Lower Upper

240 100

120 10.2 7.7 11.5

236 28.2 21.2 31.8



#78

Pyrene

Concen: 8.190 ng

RT: 19.580 min Scan# 2821

Delta R.T. 0.012 min

Lab File: BP009067.D

Acq: 08 Feb 2022 19:58

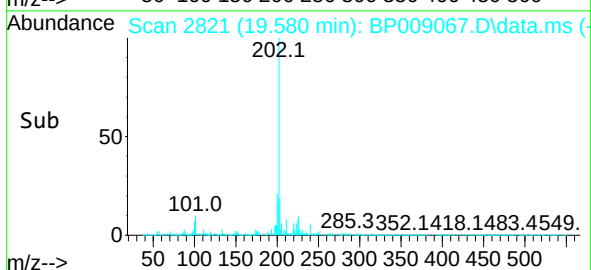
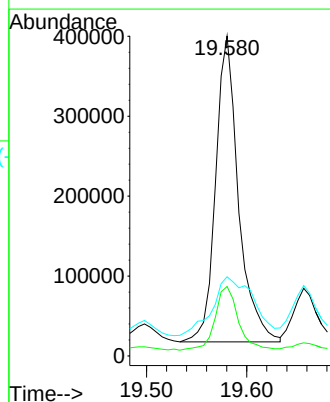
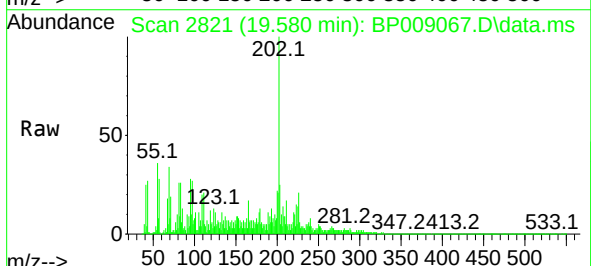
Tgt Ion:202 Resp: 606937

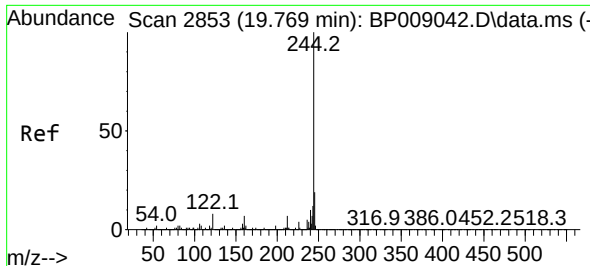
Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

203 24.8 15.0 22.6#

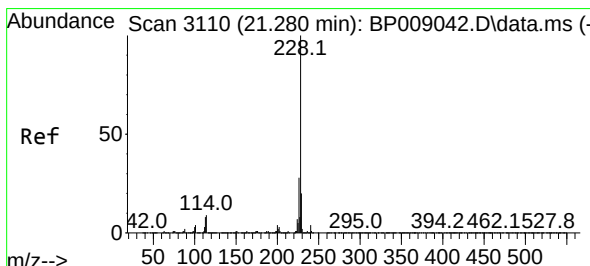
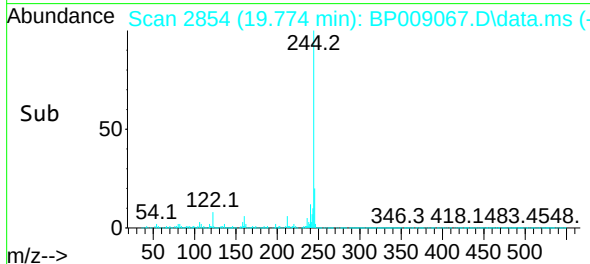
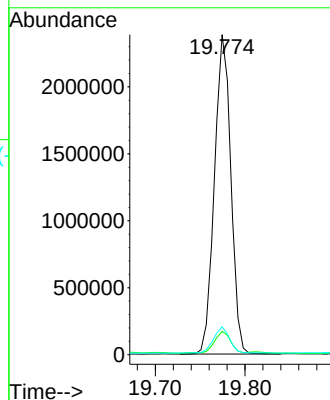
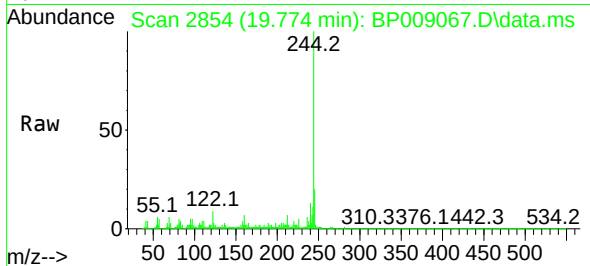




#79  
 Terphenyl-d14  
 Concen: 52.240 ng  
 RT: 19.774 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BP009067.D  
 Acq: 08 Feb 2022 19:58

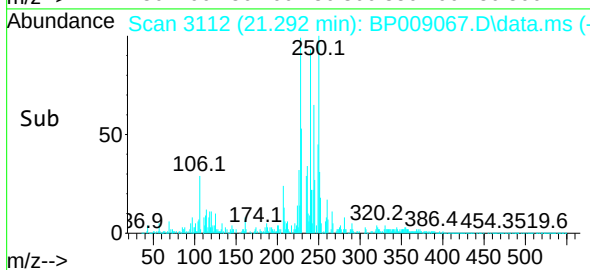
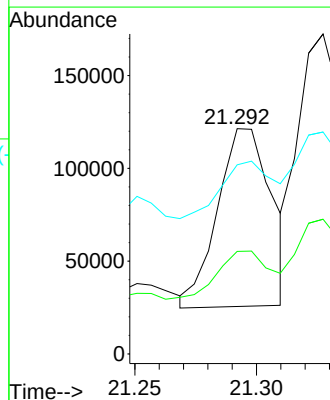
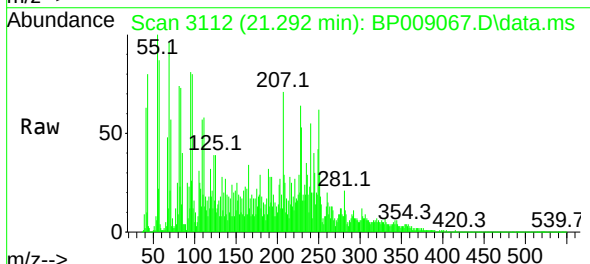
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DB-09(10-15)-02-02-22

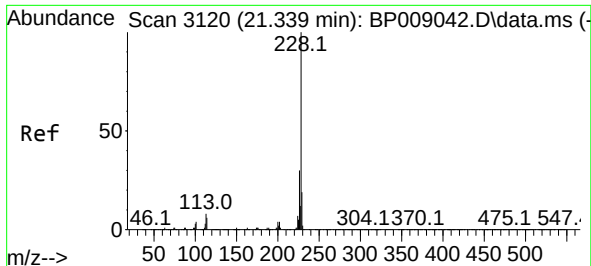
Tgt Ion:244 Resp: 3026175  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.5 9.7  
 122 8.7 9.2 13.8#



#81  
 Benzo(a)anthracene  
 Concen: 2.196 ng  
 RT: 21.292 min Scan# 3112  
 Delta R.T. 0.012 min  
 Lab File: BP009067.D  
 Acq: 08 Feb 2022 19:58

Tgt Ion:228 Resp: 147446  
 Ion Ratio Lower Upper  
 228 100  
 226 45.5 23.3 34.9#  
 229 84.0 17.0 25.6#

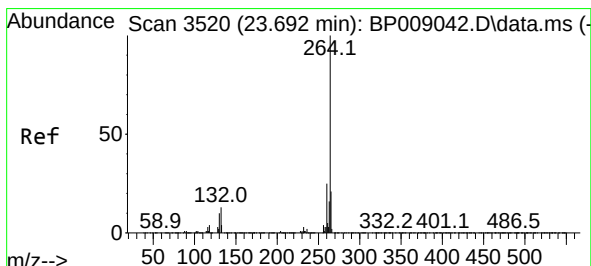
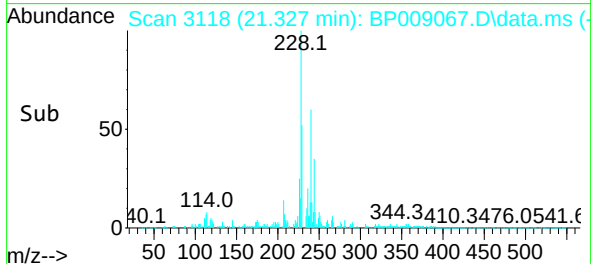
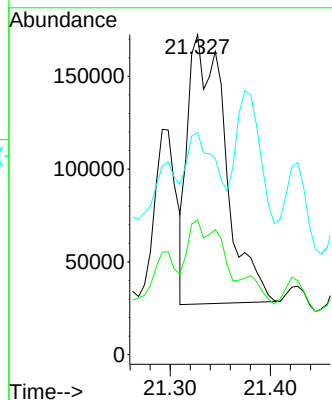
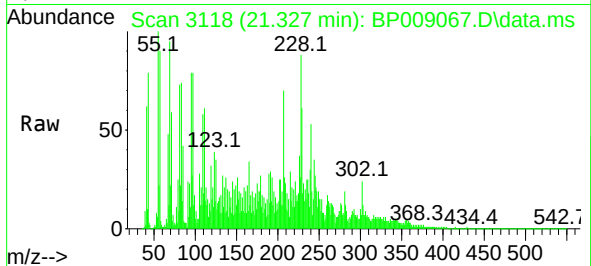




#83  
Chrysene  
Concen: 5.771 ng  
RT: 21.327 min Scan# 3118  
Delta R.T. -0.012 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

Instrument :  
BNA\_P  
ClientSampleId :  
DB-09(10-15)-02-02-22

Tgt Ion:228 Resp: 373465  
Ion Ratio Lower Upper  
228 100  
226 42.1 26.0 39.0#  
229 69.4 16.9 25.3#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.721 min Scan# 3525  
Delta R.T. 0.029 min  
Lab File: BP009067.D  
Acq: 08 Feb 2022 19:58

Tgt Ion:264 Resp: 1245251  
Ion Ratio Lower Upper  
264 100  
260 26.4 19.1 28.7  
265 24.9 17.1 25.7

