

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082124\  
 Data File : BP021593.D  
 Acq On : 21 Aug 2024 10:52  
 Operator : RC/JU  
 Sample : PB162788BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162788BL

Quant Time: Aug 21 11:19:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 14 00:00:30 2024  
 Response via : Initial Calibration

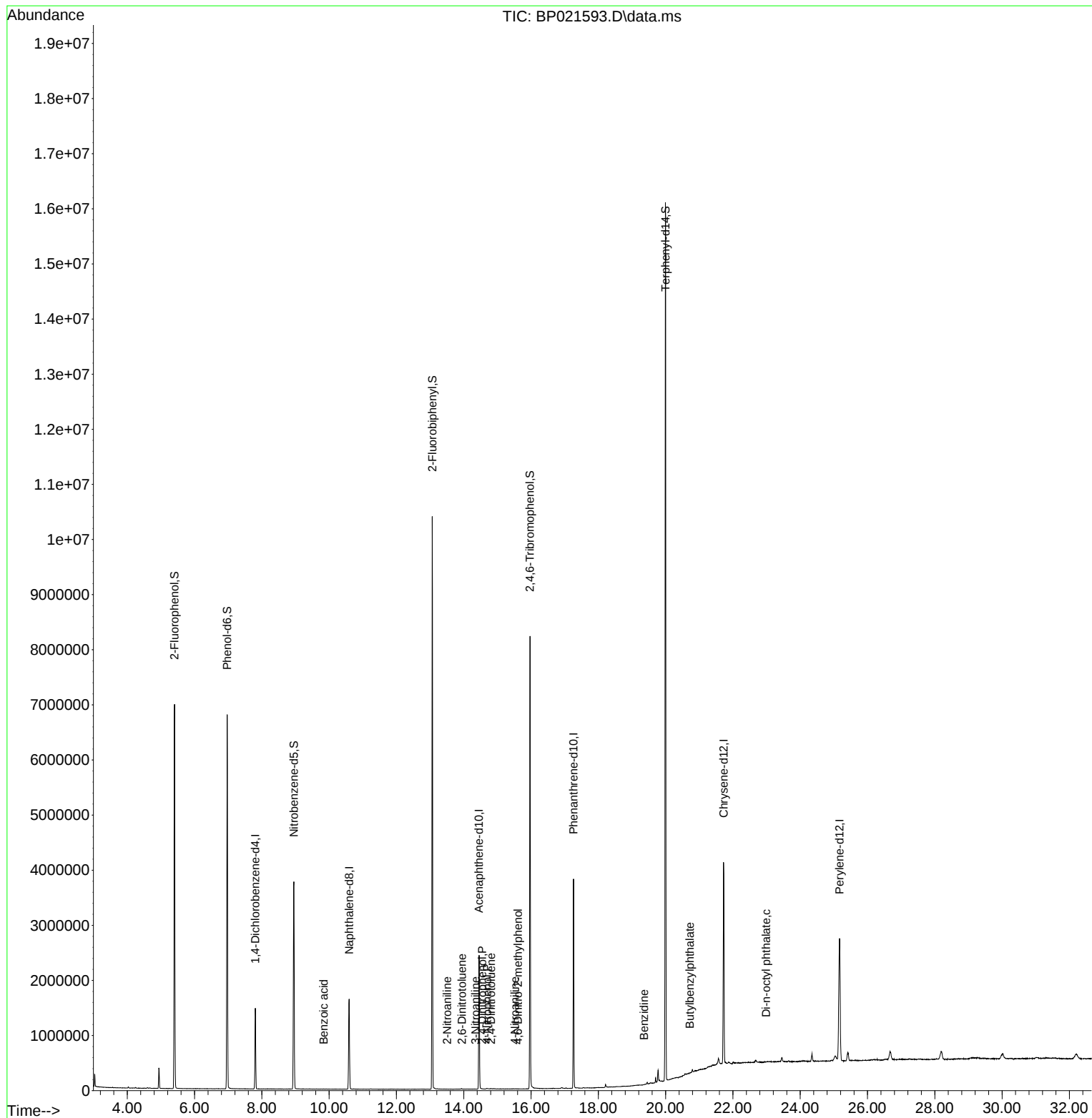
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 378034   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1462908  | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.451 | 164  | 910755   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.263 | 188  | 2055959  | 20.000    | ng    | 0.01     |
| 76) Chrysene-d12              | 21.722 | 240  | 2128573  | 20.000    | ng    | 0.02     |
| 86) Perylene-d12              | 25.168 | 264  | 2476214  | 20.000    | ng    | 0.06     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.405  | 112  | 3269494  | 128.421   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.969  | 99   | 4263263  | 114.792   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2556716  | 90.207    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 1546323  | 152.552   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 4753254  | 79.651    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.998 | 244  | 8820927  | 80.508    | ng    | 0.02     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 26) 2-Nitrophenol             | 9.693  | 139  | 31       | Below Cal | #     | 1        |
| 32) Benzoic acid              | 9.834  | 122  | 553      | 3.391     | ng    | 91       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 176      | 5.158     | ng    | # 38     |
| 51) 2,6-Dinitrotoluene        | 13.946 | 165  | 213      | 4.001     | ng    | 89       |
| 53) 3-Nitroaniline            | 14.351 | 138  | 98       | 3.977     | ng    | # 1      |
| 54) 2,4-Dinitrophenol         | 14.546 | 184  | 30       | 2.444     | ng    | # 1      |
| 56) 4-Nitrophenol             | 14.698 | 139  | 4926     | 5.535     | ng    | # 79     |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 3282     | 5.210     | ng    | 99       |
| 62) 4-Nitroaniline            | 15.516 | 138  | 65       | 2.940     | ng    | # 34     |
| 65) 4,6-Dinitro-2-methylph... | 15.616 | 198  | 134      | 4.634     | ng    | # 1      |
| 77) Benzidine                 | 19.357 | 184  | 174      | 4.575     | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.722 | 149  | 1222     | 3.624     | ng    | # 78     |
| 85) Di-n-octyl phthalate      | 22.986 | 149  | 3911     | 4.862     | ng    | # 83     |
| -----                         |        |      |          |           |       |          |

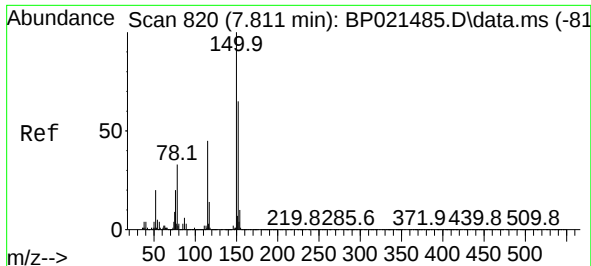
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082124\  
Data File : BP021593.D  
Acq On : 21 Aug 2024 10:52  
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Sample : PB162788BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB162788BL

Quant Time: Aug 21 11:19:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

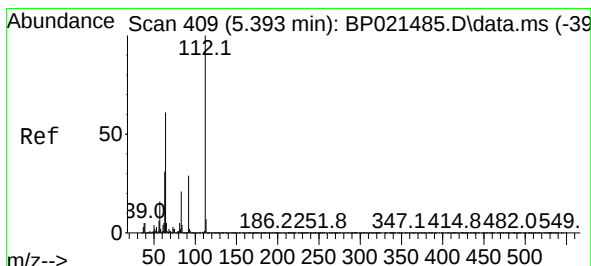
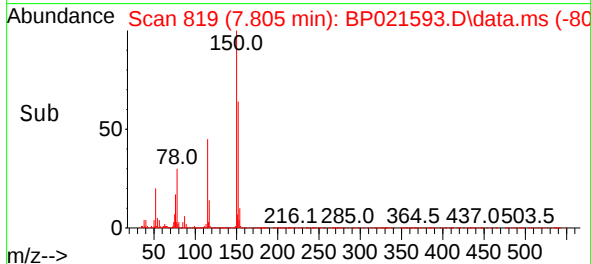
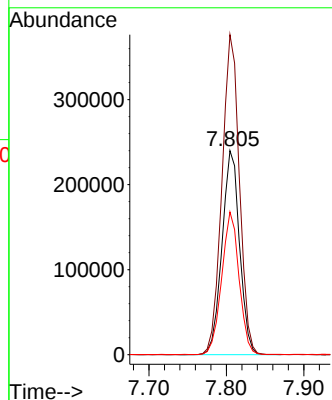
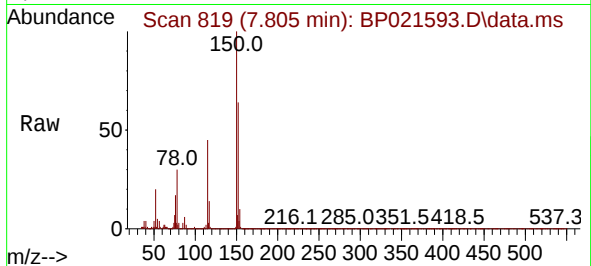




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

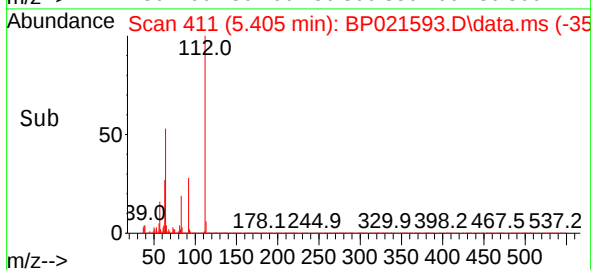
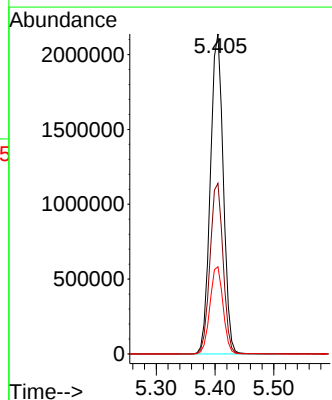
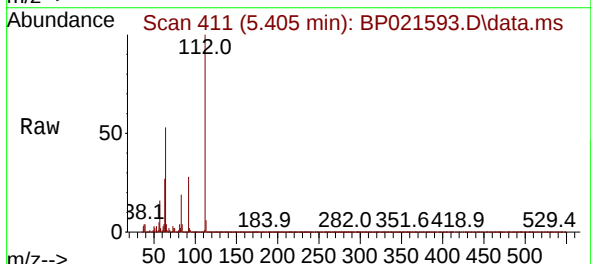
Instrument :  
BNA\_P  
ClientSampleId :  
PB162788BL

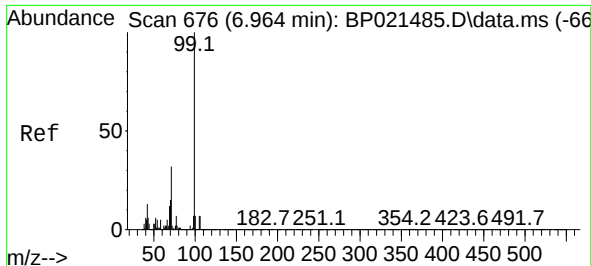
Tgt Ion:152 Resp: 378034  
Ion Ratio Lower Upper  
152 100  
150 156.8 122.4 183.6  
115 69.9 54.7 82.1



#5  
2-Fluorophenol  
Concen: 128.421 ng  
RT: 5.405 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

Tgt Ion:112 Resp: 3269494  
Ion Ratio Lower Upper  
112 100  
64 53.3 49.0 73.6  
63 27.3 24.6 36.8

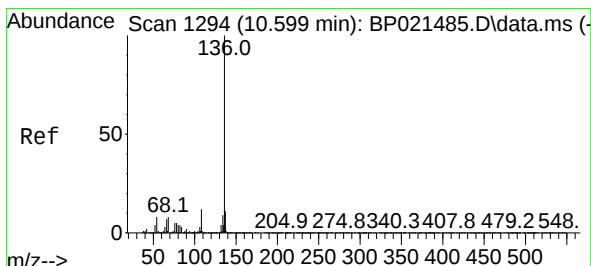
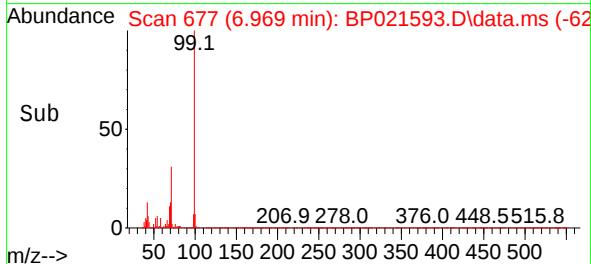
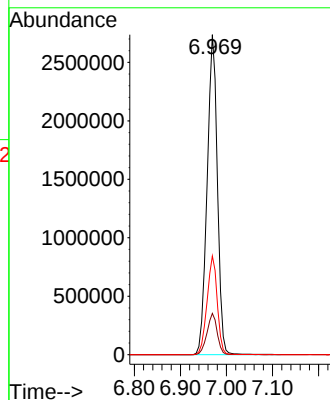
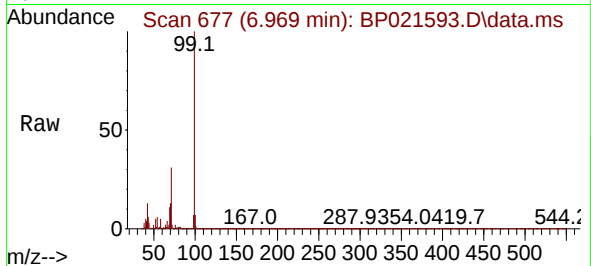




#7  
Phenol-d6  
Concen: 114.792 ng  
RT: 6.969 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

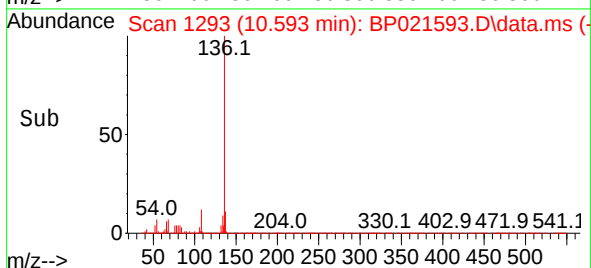
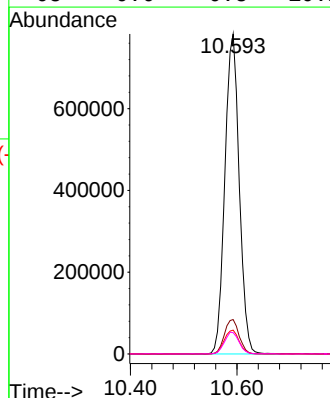
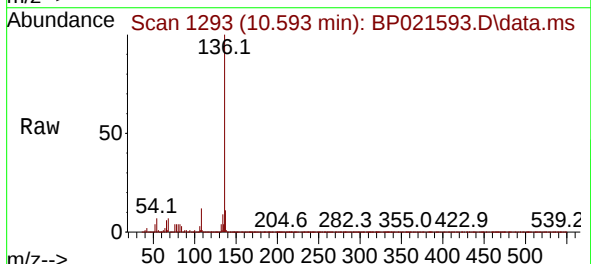
Instrument :  
BNA\_P  
ClientSampleId :  
PB162788BL

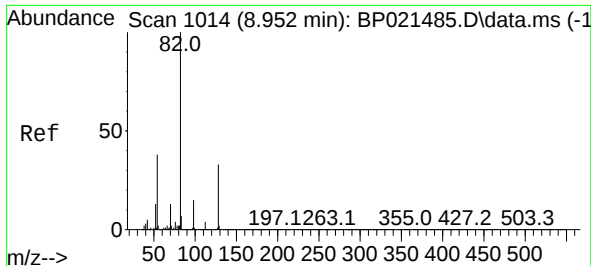
Tgt Ion: 99 Resp: 4263263  
Ion Ratio Lower Upper  
99 100  
42 12.9 10.2 15.4  
71 30.8 25.8 38.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

Tgt Ion:136 Resp: 1462908  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 7.5 6.3 9.5  
68 6.6 6.8 10.2#





#23

Nitrobenzene-d5

Concen: 90.207 ng

RT: 8.952 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

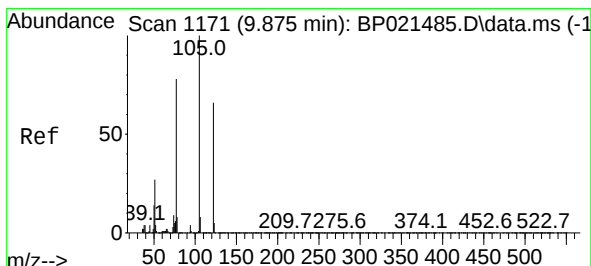
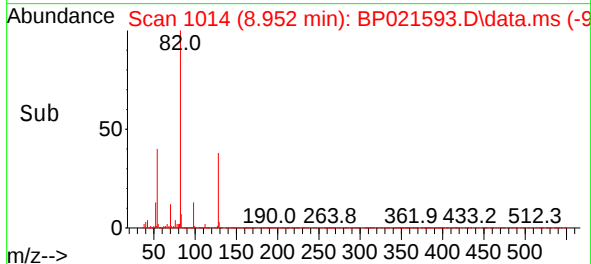
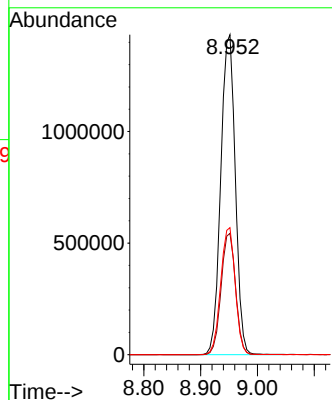
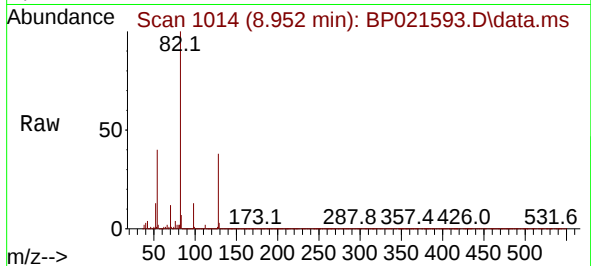
Tgt Ion: 82 Resp: 2556716

Ion Ratio Lower Upper

82 100

128 37.9 26.5 39.7

54 39.7 30.3 45.5



#32

Benzoic acid

Concen: 3.391 ng

RT: 9.834 min Scan# 1164

Delta R.T. -0.041 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

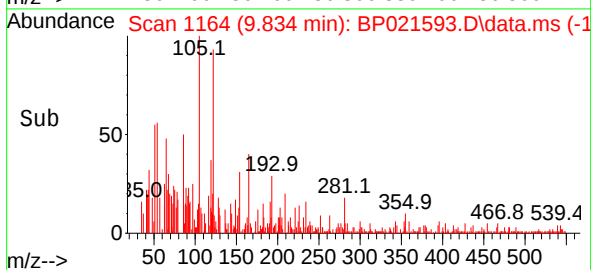
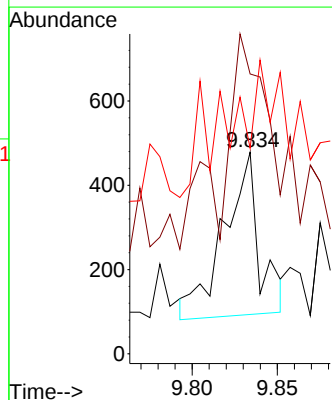
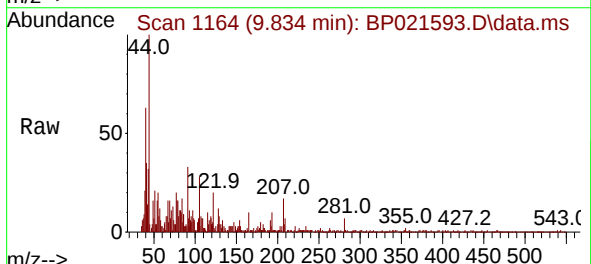
Tgt Ion:122 Resp: 553

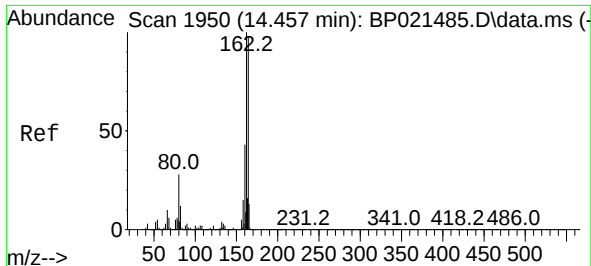
Ion Ratio Lower Upper

122 100

105 138.6 124.6 164.6

77 101.9 96.2 136.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

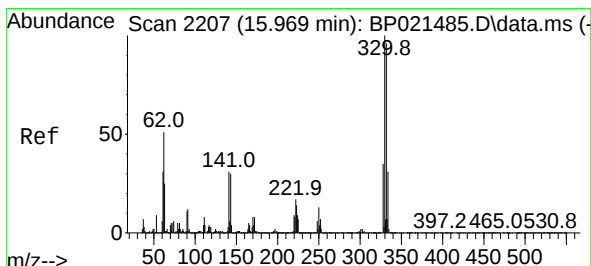
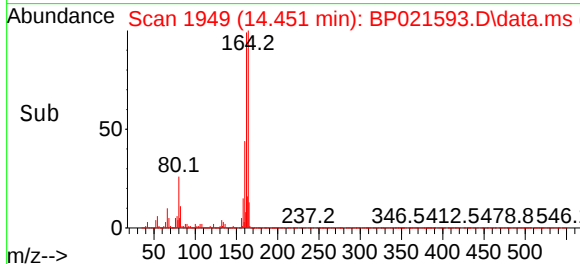
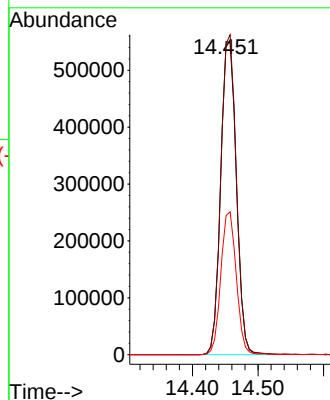
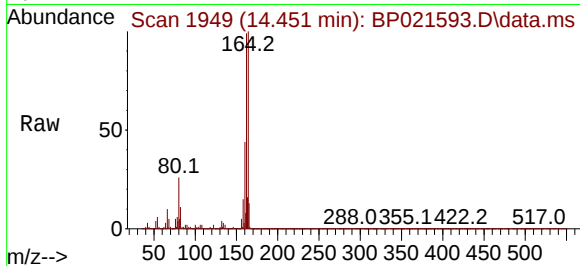
Tgt Ion:164 Resp: 910755

Ion Ratio Lower Upper

164 100

162 99.4 81.5 122.3

160 44.5 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 152.552 ng

RT: 15.969 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

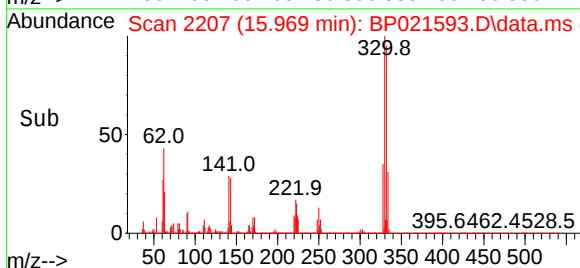
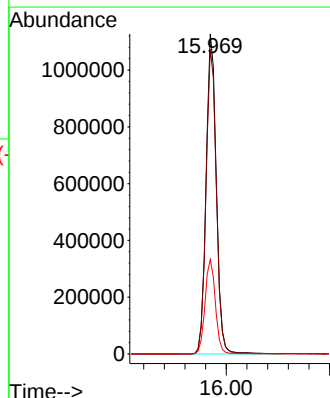
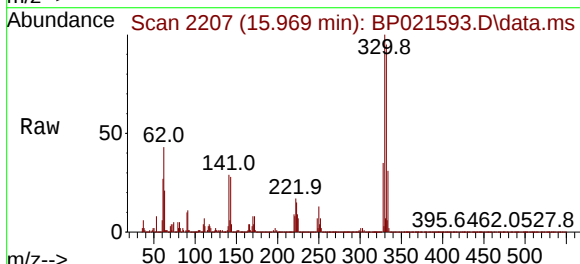
Tgt Ion:330 Resp: 1546323

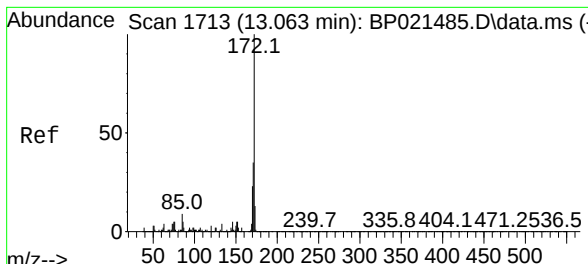
Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 30.1 24.5 36.7



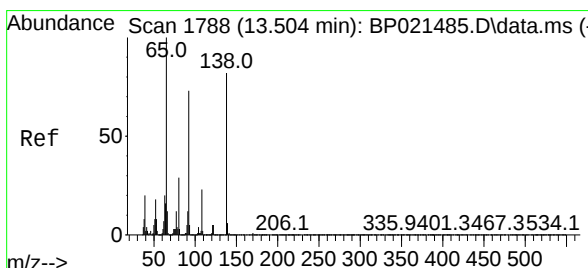
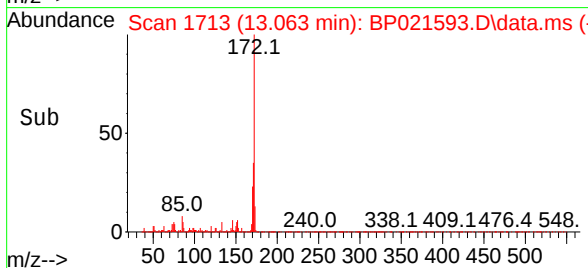
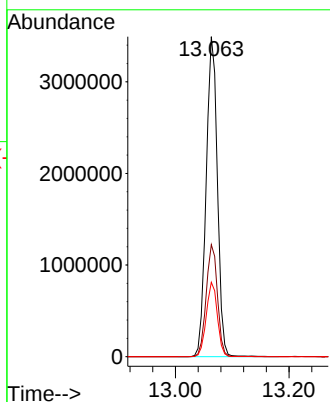
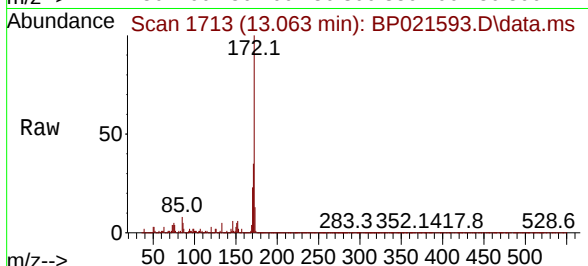


#45  
2-Fluorobiphenyl  
Concen: 79.651 ng  
RT: 13.063 min Scan# 1713  
Delta R.T. 0.000 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

Instrument :  
BNA\_P  
ClientSampleId :  
PB162788BL

Tgt Ion:172 Resp: 4753254

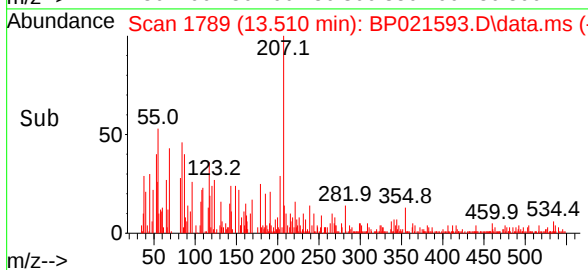
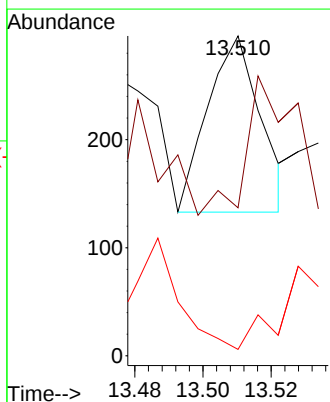
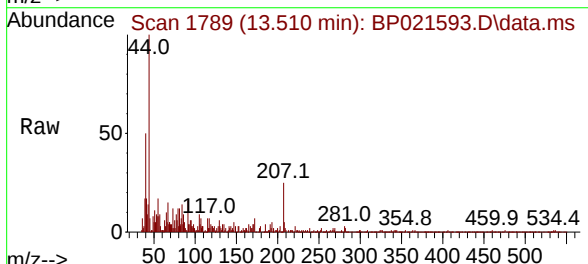
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.0  | 28.2  | 42.4  |
| 170 | 23.3  | 18.4  | 27.6  |

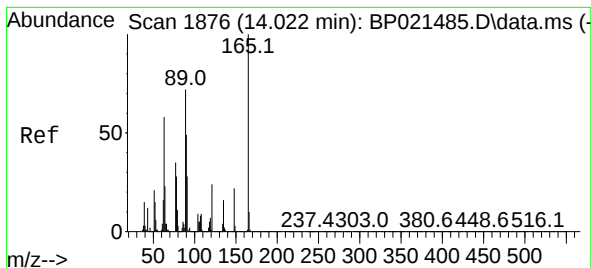


#48  
2-Nitroaniline  
Concen: 5.158 ng  
RT: 13.510 min Scan# 1789  
Delta R.T. 0.006 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

Tgt Ion: 65 Resp: 176

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 46.3  | 58.1  | 87.1# |
| 138 | 2.0   | 65.5  | 98.3# |





#51

2,6-Dinitrotoluene

Concen: 4.001 ng

RT: 13.946 min Scan# 1863

Delta R.T. -0.076 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

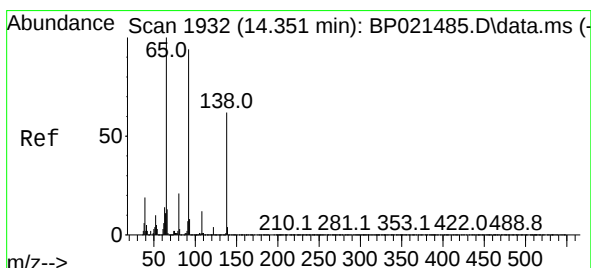
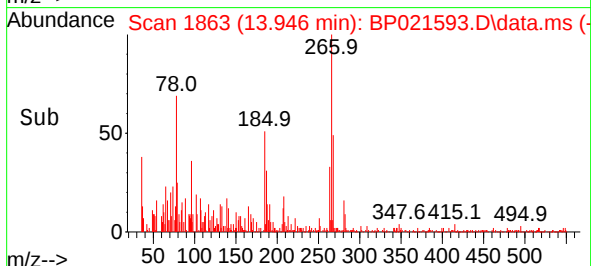
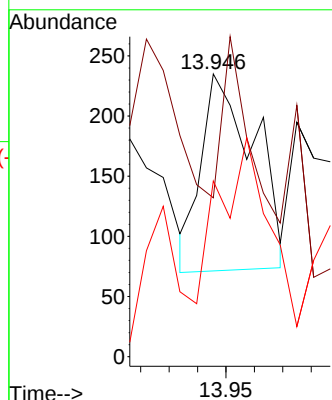
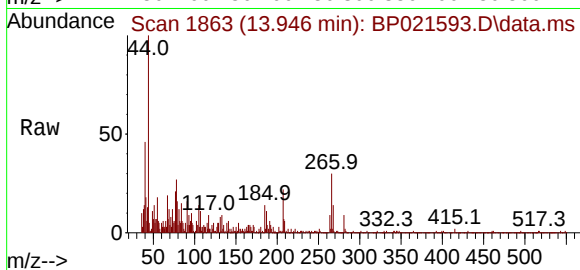
Tgt Ion:165 Resp: 213

Ion Ratio Lower Upper

165 100

63 56.2 51.5 77.3

89 62.1 57.8 86.8



#53

3-Nitroaniline

Concen: 3.977 ng

RT: 14.351 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

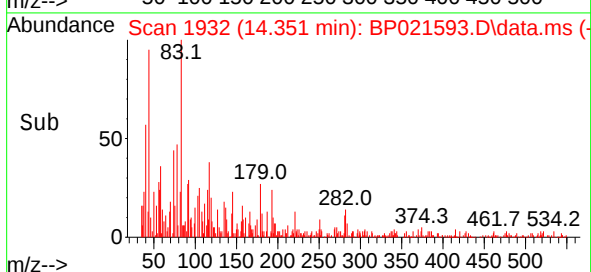
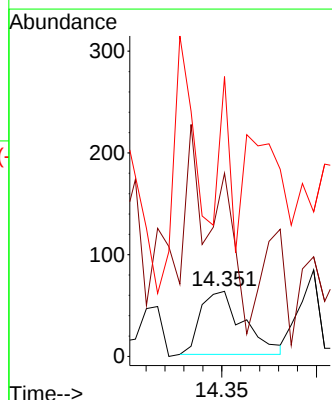
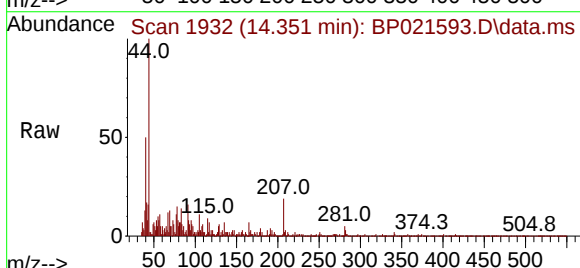
Tgt Ion:138 Resp: 98

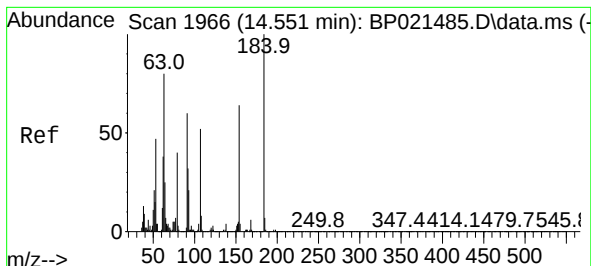
Ion Ratio Lower Upper

138 100

108 281.3 16.2 24.4#

92 429.7 122.2 183.4#





#54

2,4-Dinitrophenol

Concen: 2.444 ng

RT: 14.546 min Scan# 1965

Delta R.T. -0.005 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

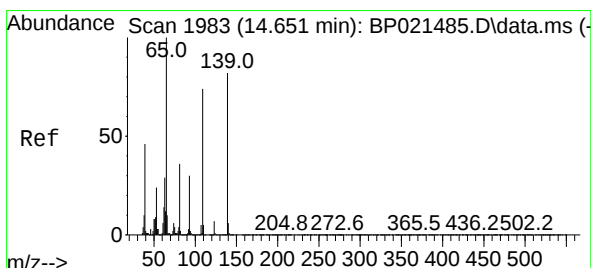
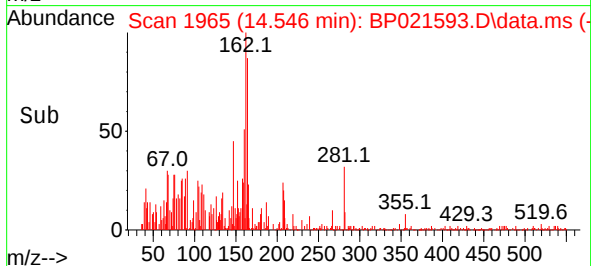
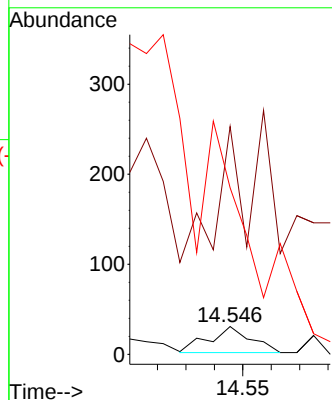
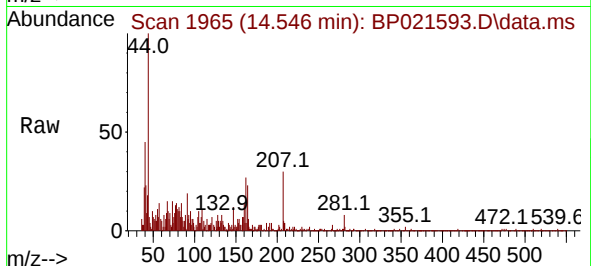
Tgt Ion:184 Resp: 30

Ion Ratio Lower Upper

184 100

63 816.1 64.9 97.3#

154 596.8 52.1 78.1#



#56

4-Nitrophenol

Concen: 5.535 ng

RT: 14.698 min Scan# 1991

Delta R.T. 0.047 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

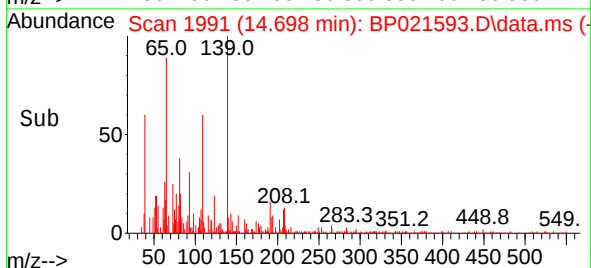
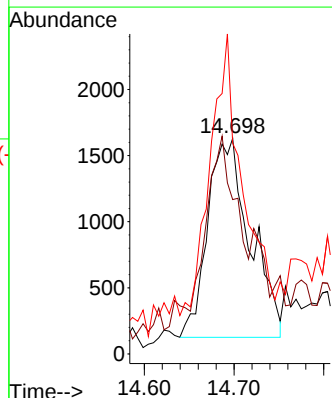
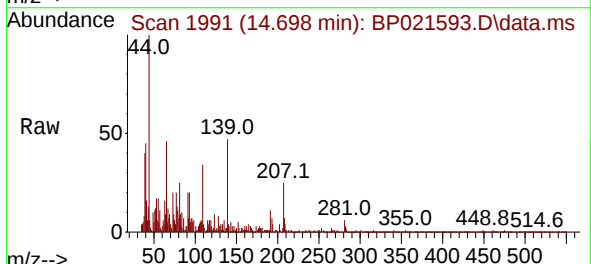
Tgt Ion:139 Resp: 4926

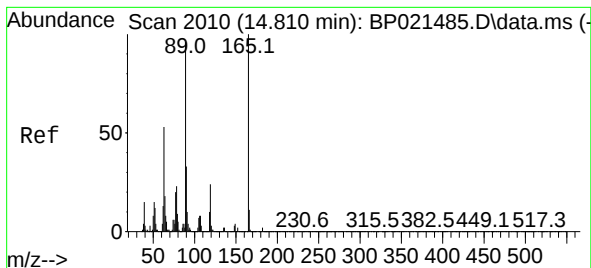
Ion Ratio Lower Upper

139 100

109 71.6 70.2 110.2

65 97.7 101.8 141.8#





#57

2,4-Dinitrotoluene

Concen: 5.210 ng

RT: 14.810 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

Tgt Ion:165 Resp: 3282

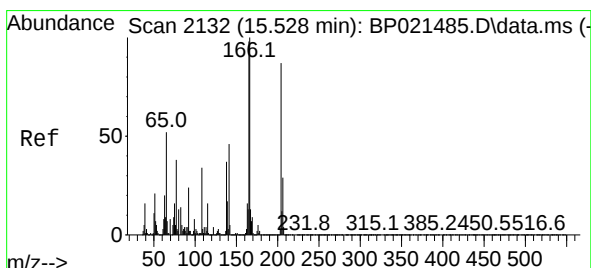
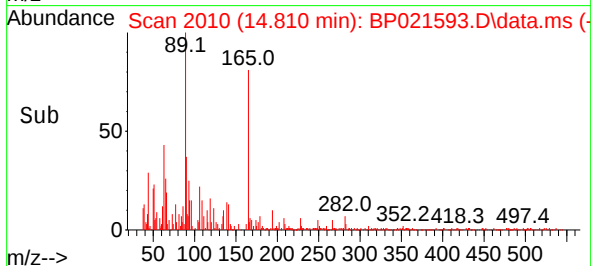
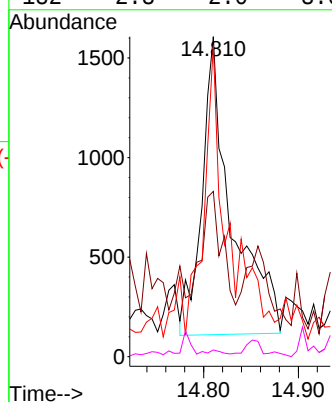
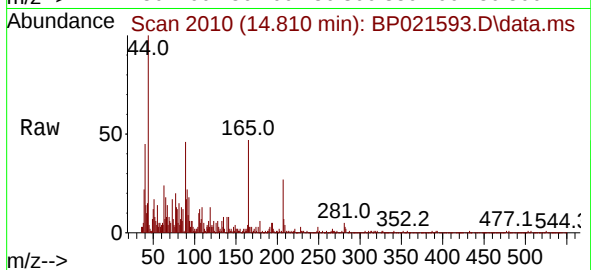
Ion Ratio Lower Upper

165 100

63 51.6 42.5 63.7

89 97.1 77.1 115.7

182 2.3 2.0 3.0



#62

4-Nitroaniline

Concen: 2.940 ng

RT: 15.516 min Scan# 2130

Delta R.T. -0.012 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

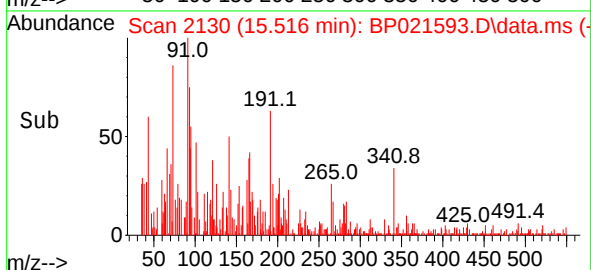
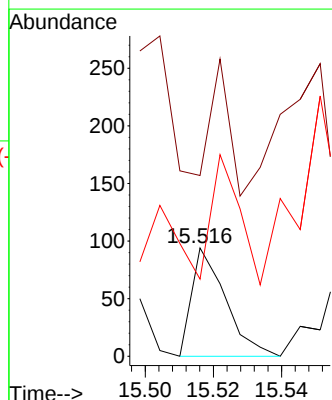
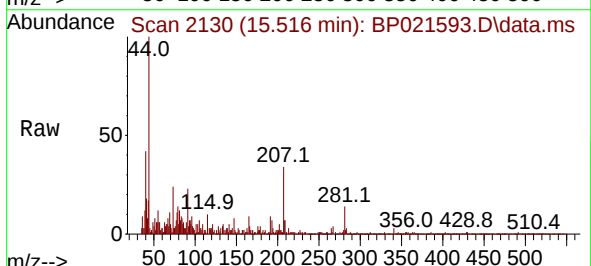
Tgt Ion:138 Resp: 65

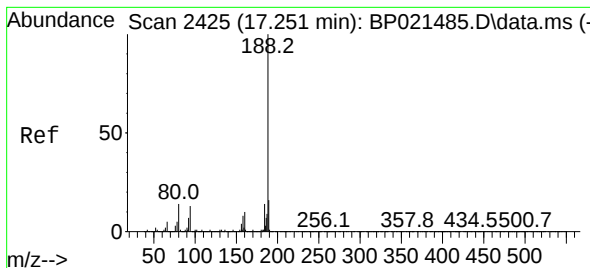
Ion Ratio Lower Upper

138 100

92 167.0 46.4 86.4#

108 71.3 73.2 113.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2425

Delta R.T. 0.012 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

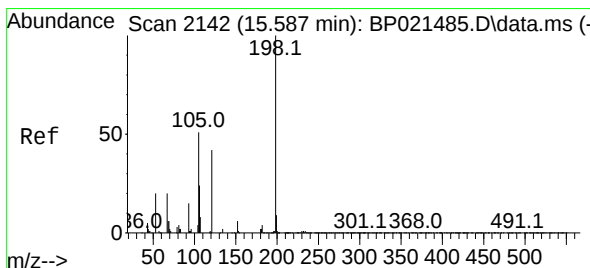
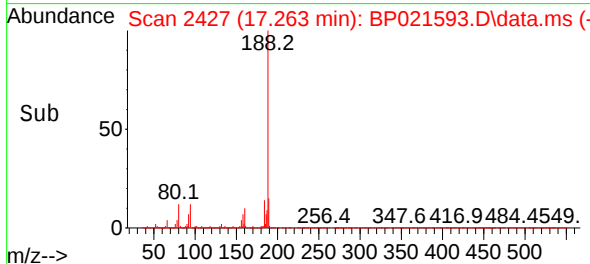
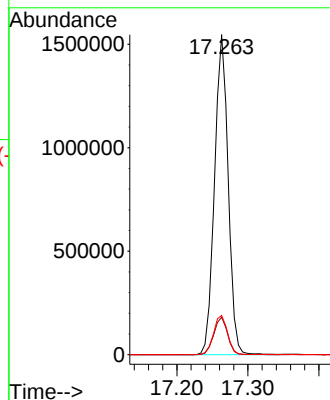
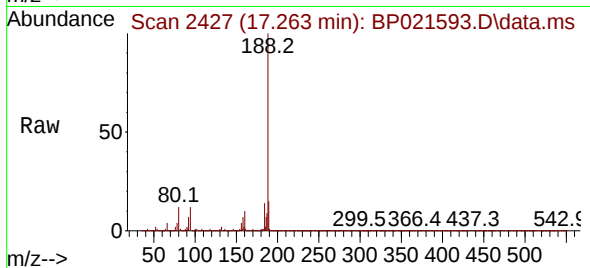
Tgt Ion:188 Resp: 2055959

Ion Ratio Lower Upper

188 100

94 11.7 10.2 15.4

80 12.2 11.6 17.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.634 ng

RT: 15.616 min Scan# 2147

Delta R.T. 0.029 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

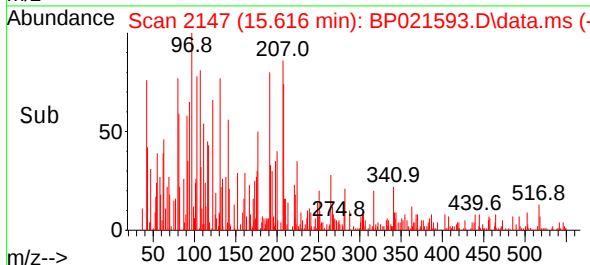
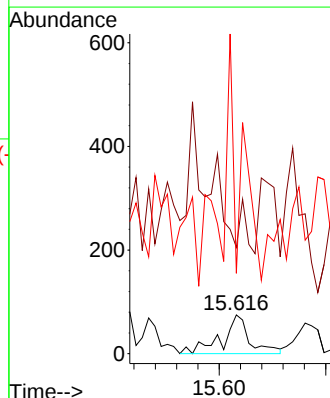
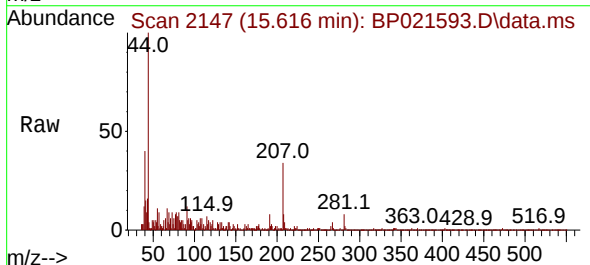
Tgt Ion:198 Resp: 134

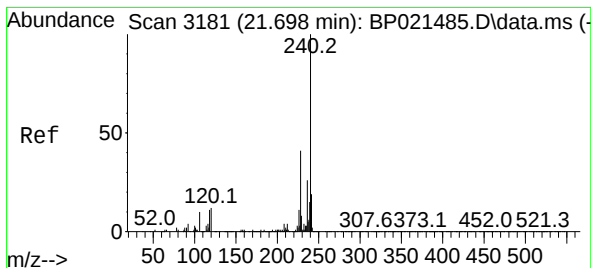
Ion Ratio Lower Upper

198 100

51 273.3 21.5 61.5#

105 206.7 32.9 72.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.722 min Scan# 3181

Delta R.T. 0.024 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

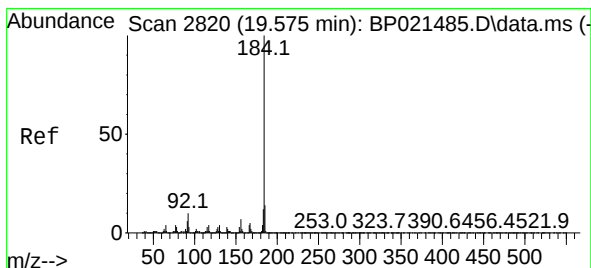
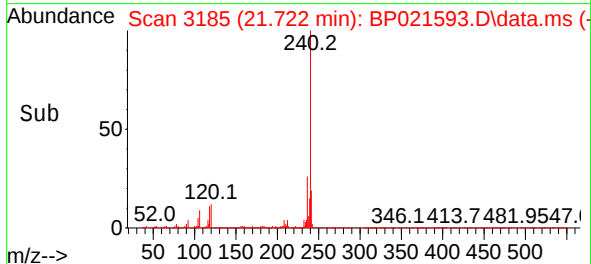
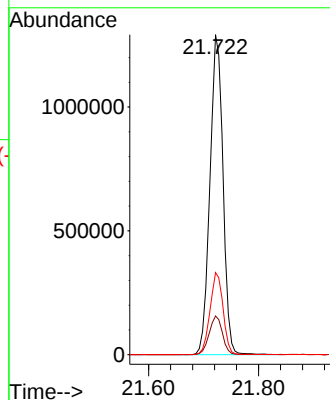
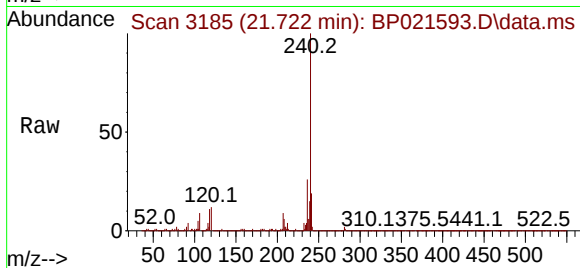
Tgt Ion:240 Resp: 2128573

Ion Ratio Lower Upper

240 100

120 12.1 9.9 14.9

236 25.6 20.6 30.8



#77

Benzidine

Concen: 4.575 ng

RT: 19.357 min Scan# 2783

Delta R.T. -0.218 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

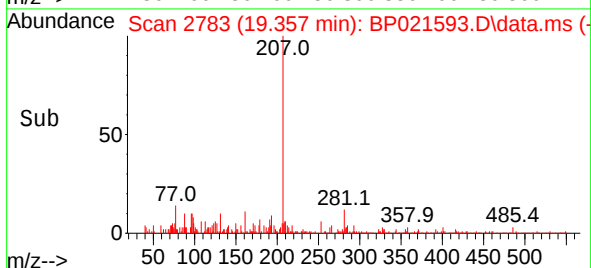
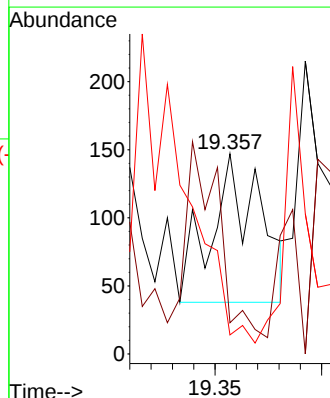
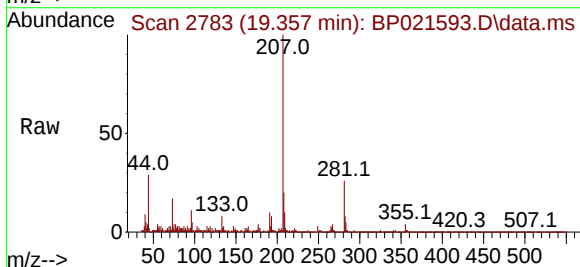
Tgt Ion:184 Resp: 174

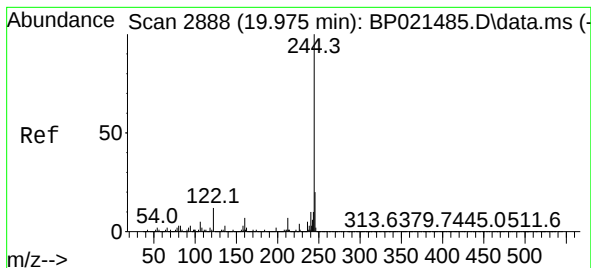
Ion Ratio Lower Upper

184 100

185 15.6 11.4 17.0

183 9.5 9.3 13.9





#79

Terphenyl-d14

Concen: 80.508 ng

RT: 19.998 min Scan# 21

Delta R.T. 0.023 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

Instrument :

BNA\_P

ClientSampleId :

PB162788BL

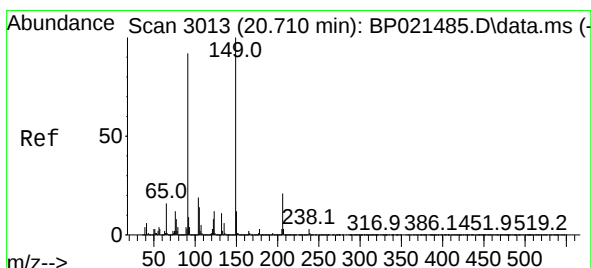
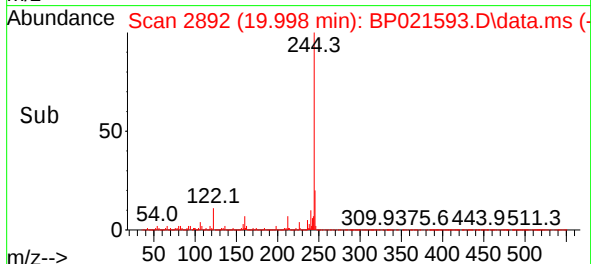
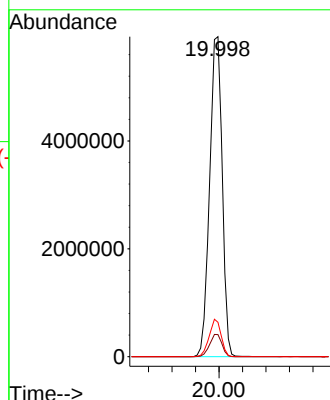
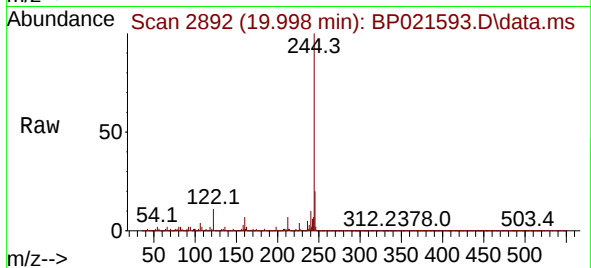
Tgt Ion:244 Resp: 8820927

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.7 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.624 ng

RT: 20.722 min Scan# 3015

Delta R.T. 0.012 min

Lab File: BP021593.D

Acq: 21 Aug 2024 10:52

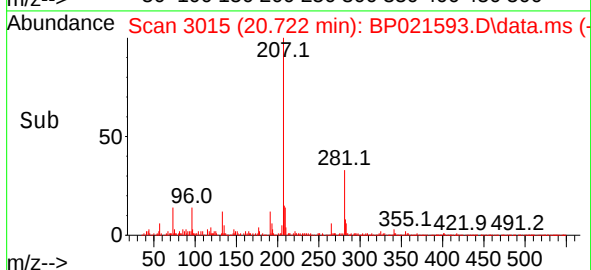
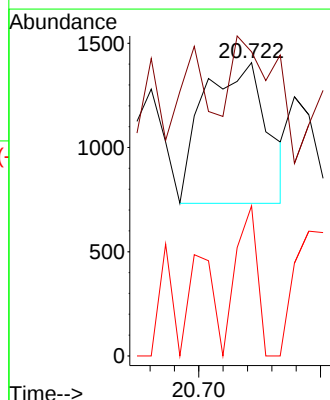
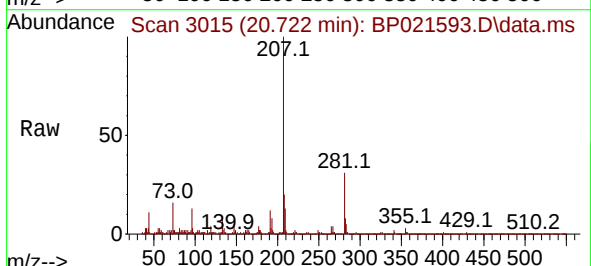
Tgt Ion:149 Resp: 1222

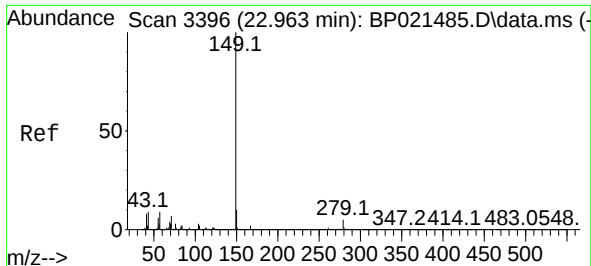
Ion Ratio Lower Upper

149 100

91 103.7 73.3 109.9

206 51.2 17.1 25.7#

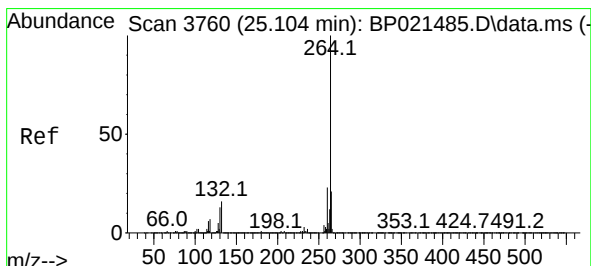
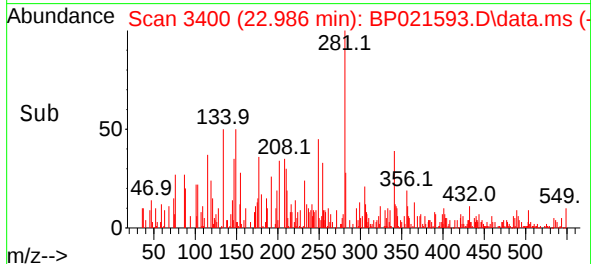
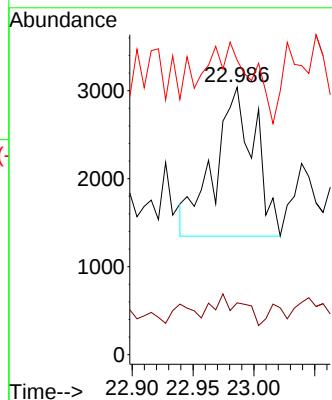
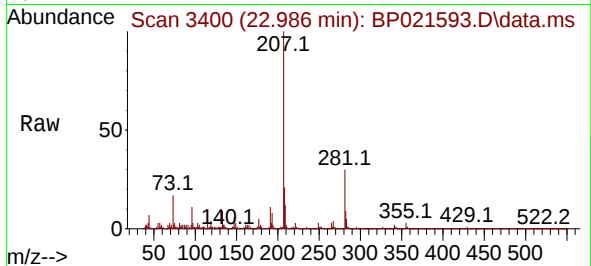




#85  
Di-n-octyl phthalate  
Concen: 4.862 ng  
RT: 22.986 min Scan# 3400  
Delta R.T. 0.023 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

Instrument :  
BNA\_P  
ClientSampleId :  
PB162788BL

Tgt Ion:149 Resp: 3911  
Ion Ratio Lower Upper  
149 100  
167 15.2 1.3 1.9#  
43 4.3 7.3 10.9#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.168 min Scan# 3771  
Delta R.T. 0.065 min  
Lab File: BP021593.D  
Acq: 21 Aug 2024 10:52

Tgt Ion:264 Resp: 2476214  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.6 28.0  
265 21.6 17.1 25.7

