

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
 Data File : BP021567.D  
 Acq On : 20 Aug 2024 10:49  
 Operator : RC/JU  
 Sample : PB162822BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162822BL

Quant Time: Aug 20 11:21:31 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

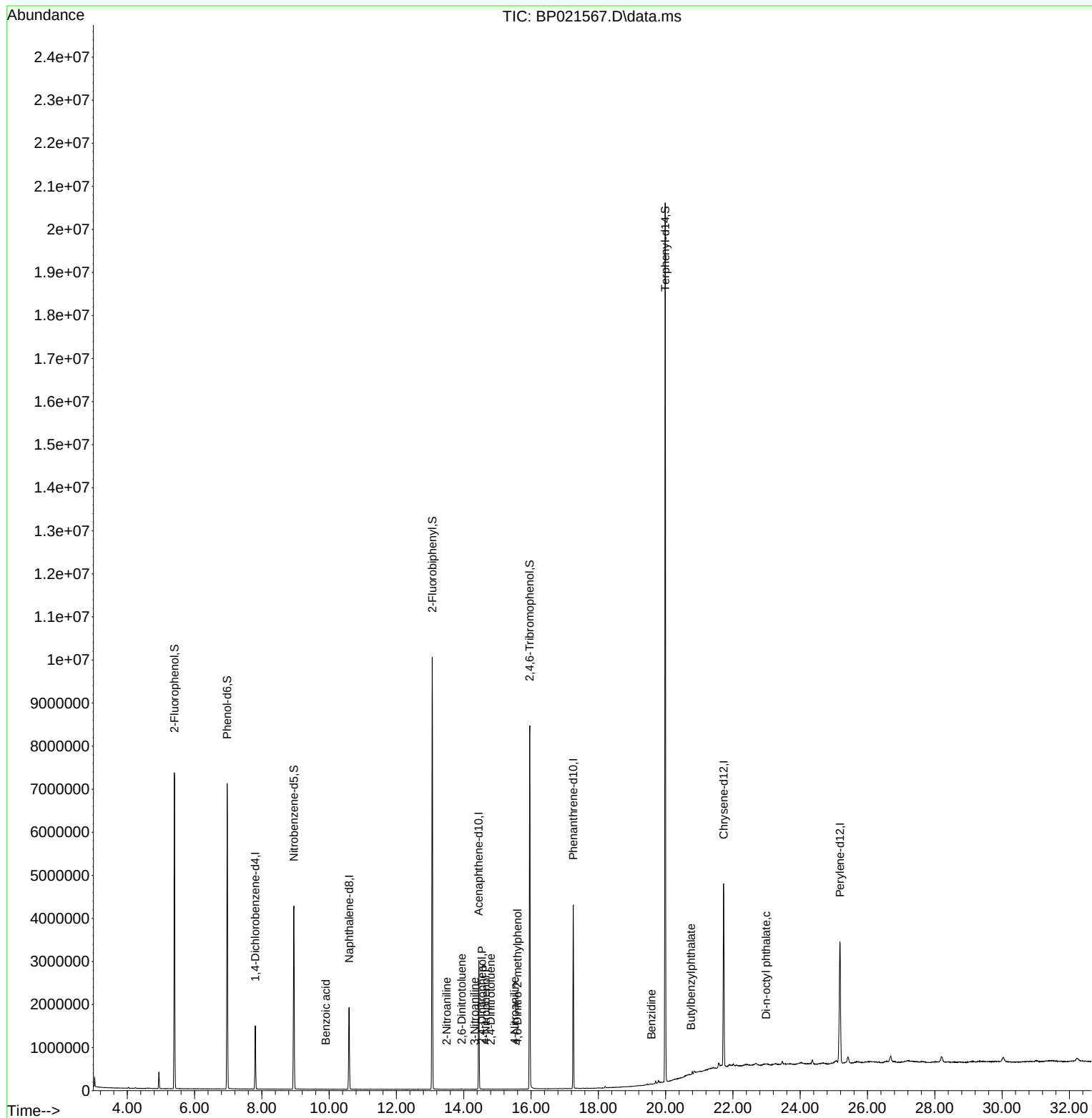
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 385209   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1560541  | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 1021934  | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.257 | 188  | 2408801  | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.722 | 240  | 2576176  | 20.000    | ng    | 0.02     |
| 86) Perylene-d12              | 25.180 | 264  | 2892860  | 20.000    | ng    | 0.08     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.405  | 112  | 3380481  | 130.307   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.969  | 99   | 4524489  | 119.556   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2737375  | 90.539    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 1796946  | 157.991   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 5272853  | 78.745    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.986 | 244  | 10921233 | 82.358    | ng    | 0.01     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 26) 2-Nitrophenol             | 9.710  | 139  | 77       | Below Cal | #     | 1        |
| 32) Benzoic acid              | 9.899  | 122  | 284      | 3.354     | ng    | # 49     |
| 48) 2-Nitroaniline            | 13.493 | 65   | 132      | 5.155     | ng    | # 48     |
| 51) 2,6-Dinitrotoluene        | 13.940 | 165  | 201      | 3.999     | ng    | # 94     |
| 53) 3-Nitroaniline            | 14.322 | 138  | 245      | 3.986     | ng    | # 42     |
| 54) 2,4-Dinitrophenol         | 14.540 | 184  | 115      | 2.476     | ng    | # 48     |
| 56) 4-Nitrophenol             | 14.651 | 139  | 174      | 5.093     | ng    | # 53     |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 156      | 5.030     | ng    | # 73     |
| 62) 4-Nitroaniline            | 15.510 | 138  | 48       | 2.938     | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 57       | 4.616     | ng    | # 1      |
| 77) Benzidine                 | 19.575 | 184  | 2015     | 4.598     | ng    | # 54     |
| 80) Butylbenzylphthalate      | 20.751 | 149  | 434      | 3.609     | ng    | # 29     |
| 85) Di-n-octyl phthalate      | 22.986 | 149  | 1444     | 4.844     | ng    | # 66     |
| -----                         |        |      |          |           |       |          |

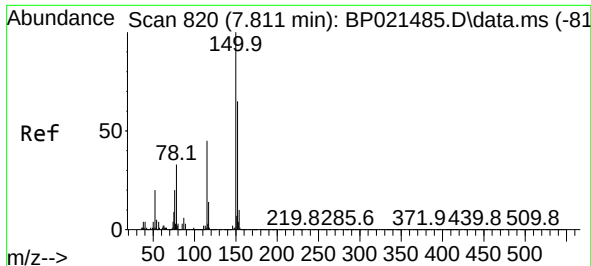
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021567.D  
Acq On : 20 Aug 2024 10:49  
Operator : RC/JU  
Sample : PB162822BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

Quant Time: Aug 20 11:21:31 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

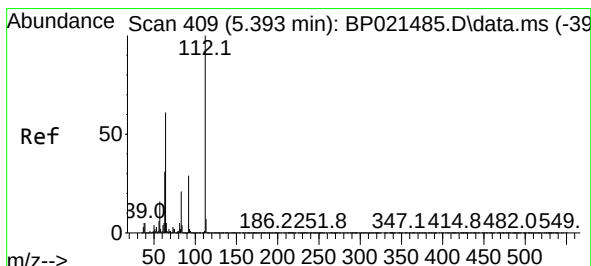
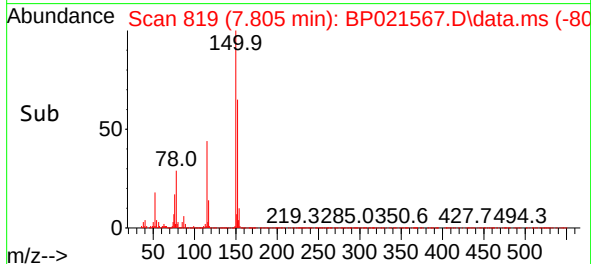
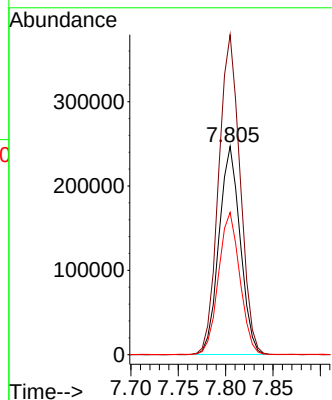
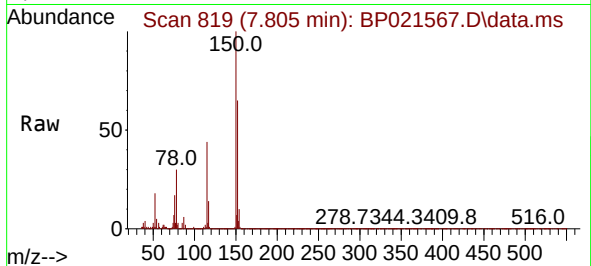




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

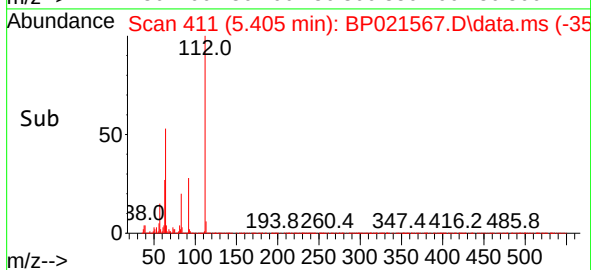
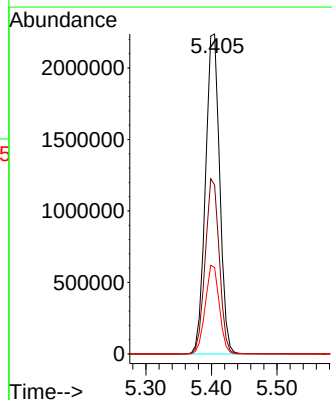
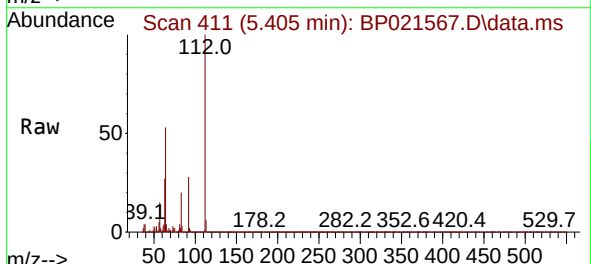
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

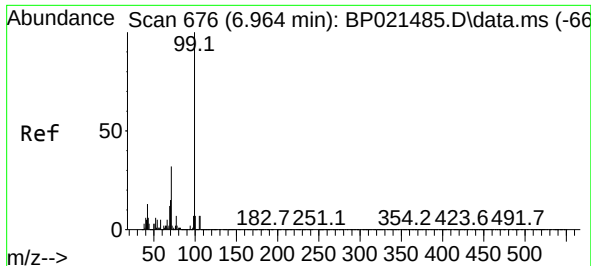
Tgt Ion:152 Resp: 385209  
Ion Ratio Lower Upper  
152 100  
150 153.6 122.4 183.6  
115 68.3 54.7 82.1



#5  
2-Fluorophenol  
Concen: 130.307 ng  
RT: 5.405 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:112 Resp: 3380481  
Ion Ratio Lower Upper  
112 100  
64 52.8 49.0 73.6  
63 27.0 24.6 36.8

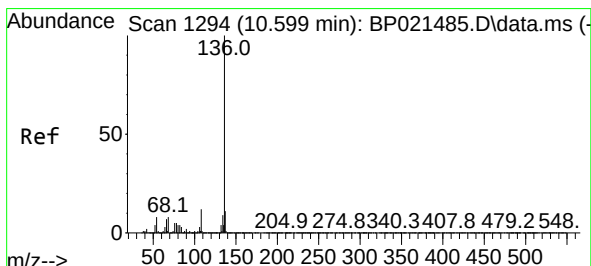
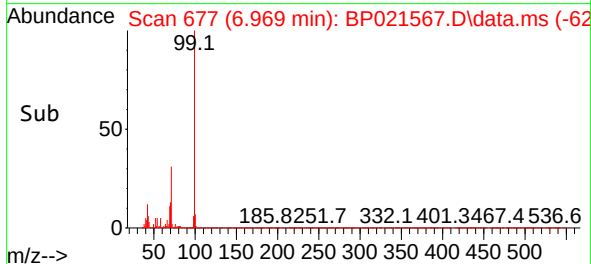
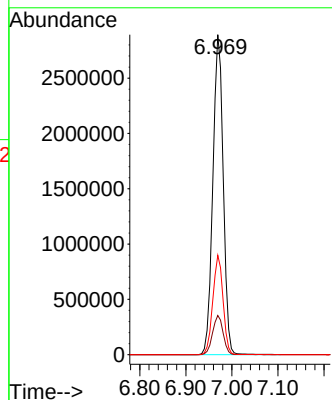
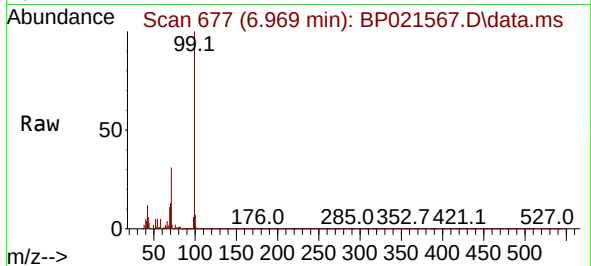




#7  
Phenol-d6  
Concen: 119.556 ng  
RT: 6.969 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

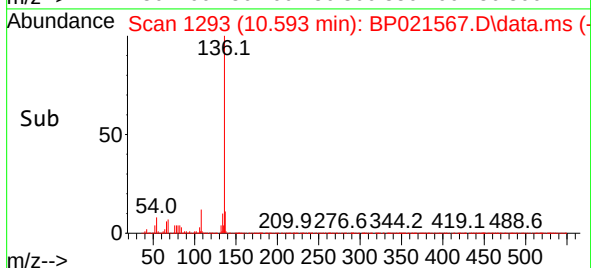
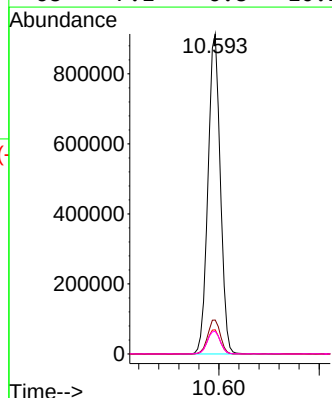
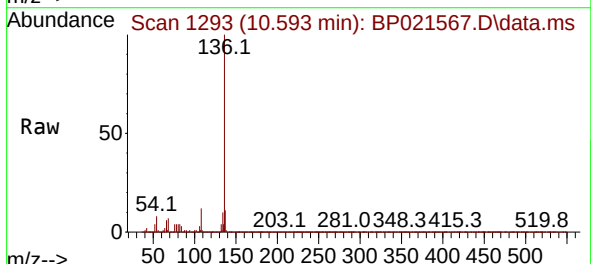
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

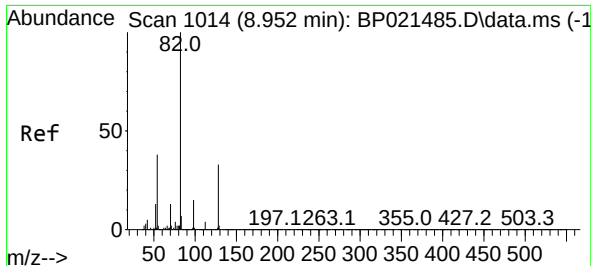
Tgt Ion: 99 Resp: 4524489  
Ion Ratio Lower Upper  
99 100  
42 12.3 10.2 15.4  
71 31.1 25.8 38.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:136 Resp: 1560541  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 7.5 6.3 9.5  
68 7.1 6.8 10.2





#23

Nitrobenzene-d5

Concen: 90.539 ng

RT: 8.952 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

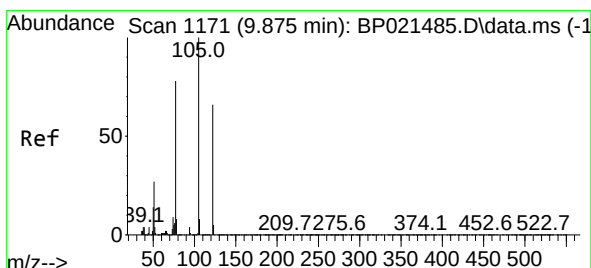
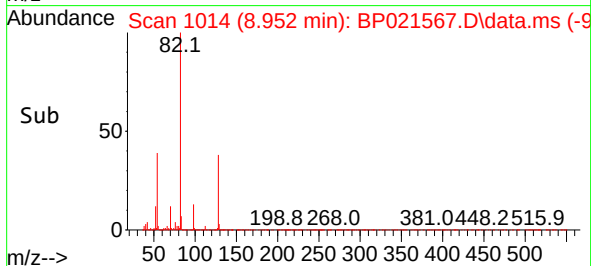
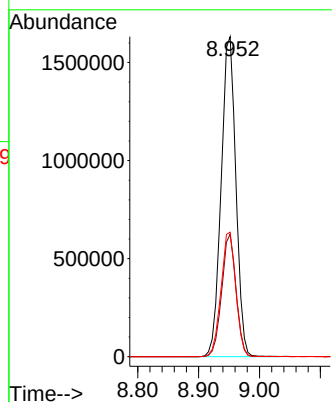
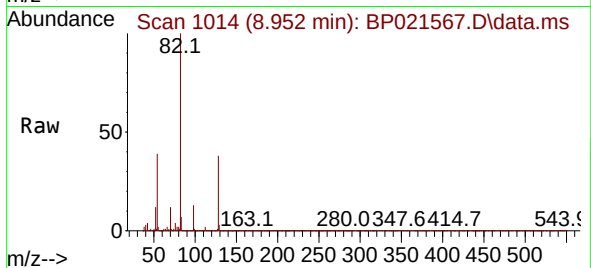
Tgt Ion: 82 Resp: 2737375

Ion Ratio Lower Upper

82 100

128 38.3 26.5 39.7

54 38.9 30.3 45.5



#32

Benzoic acid

Concen: 3.354 ng

RT: 9.899 min Scan# 1175

Delta R.T. 0.024 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

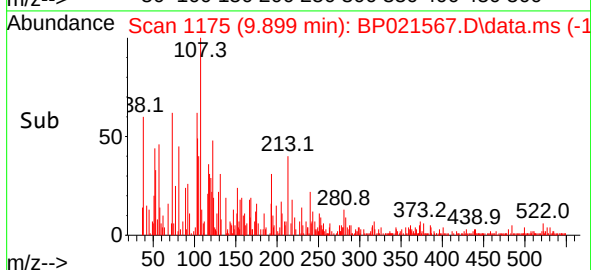
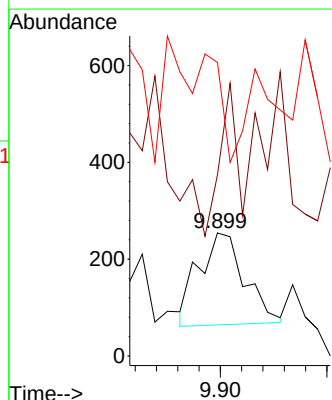
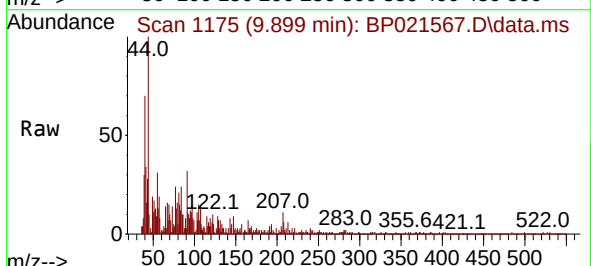
Tgt Ion:122 Resp: 284

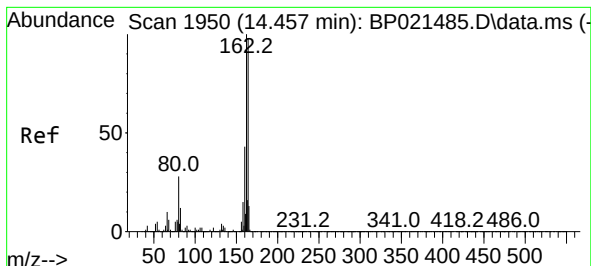
Ion Ratio Lower Upper

122 100

105 147.2 124.6 164.6

77 238.6 96.2 136.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

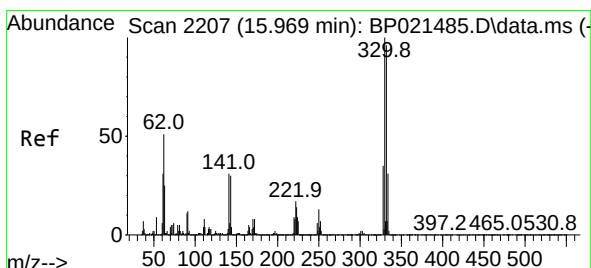
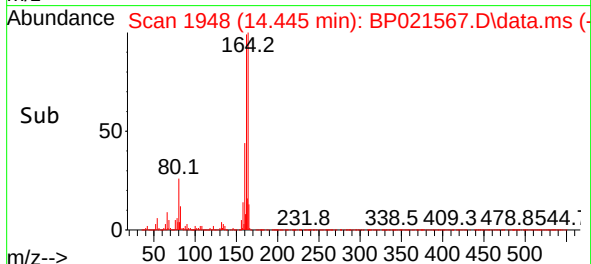
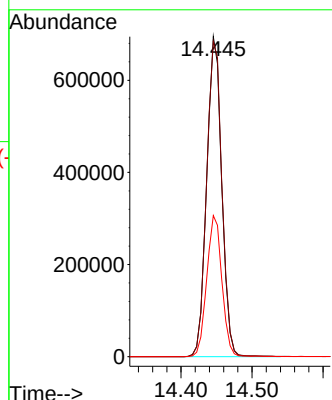
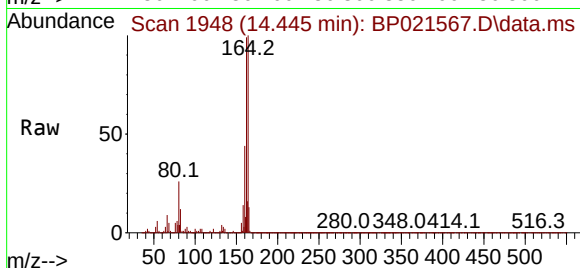
Tgt Ion:164 Resp: 1021934

Ion Ratio Lower Upper

164 100

162 98.6 81.5 122.3

160 44.1 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 157.991 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

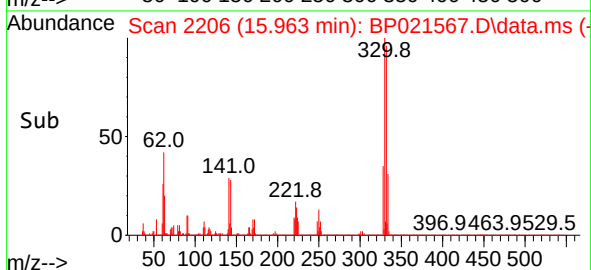
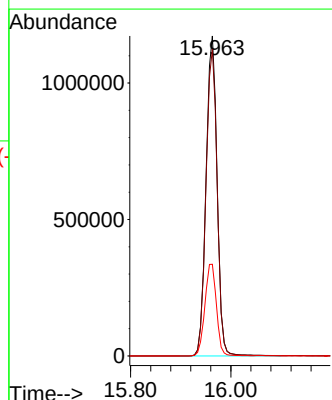
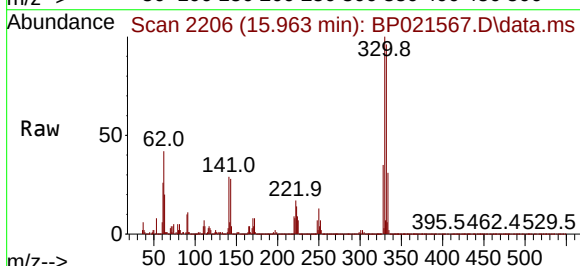
Tgt Ion:330 Resp: 1796946

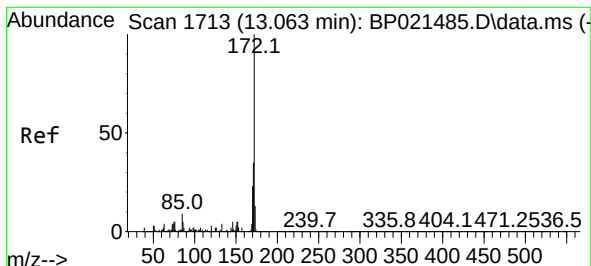
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 30.0 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 78.745 ng

RT: 13.063 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

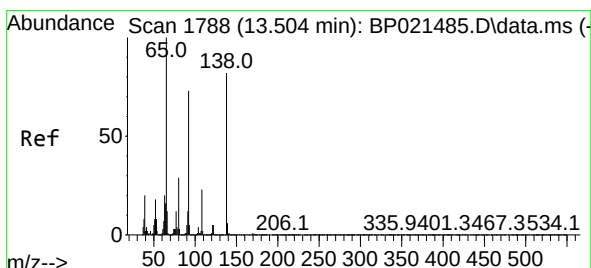
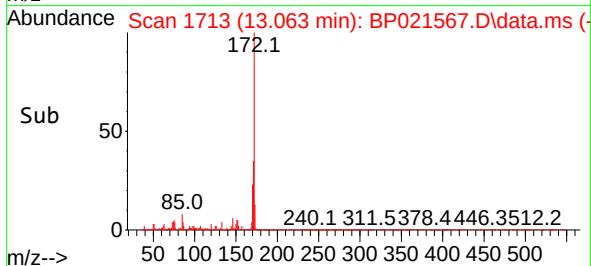
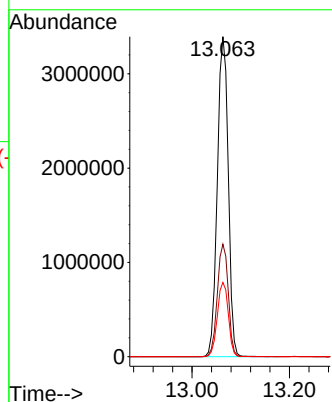
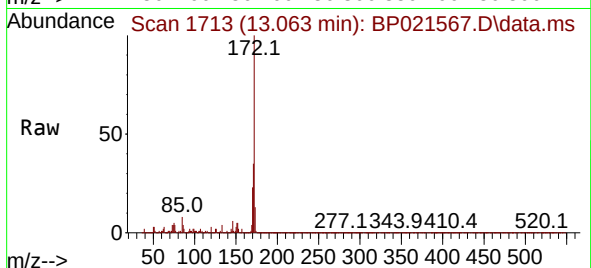
Tgt Ion:172 Resp: 5272853

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.2 18.4 27.6



#48

2-Nitroaniline

Concen: 5.155 ng

RT: 13.493 min Scan# 1786

Delta R.T. -0.011 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

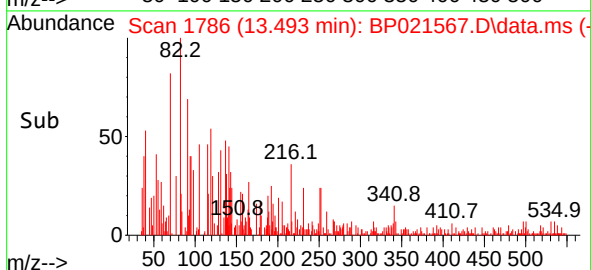
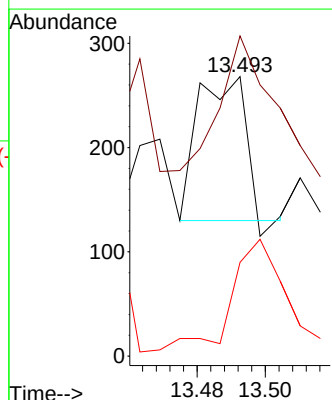
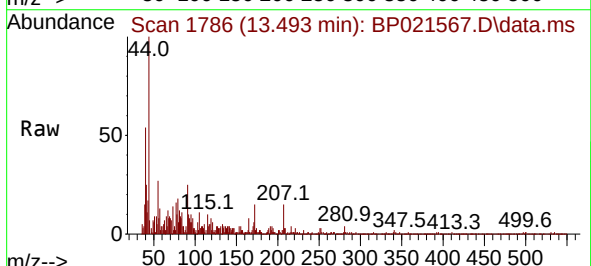
Tgt Ion: 65 Resp: 132

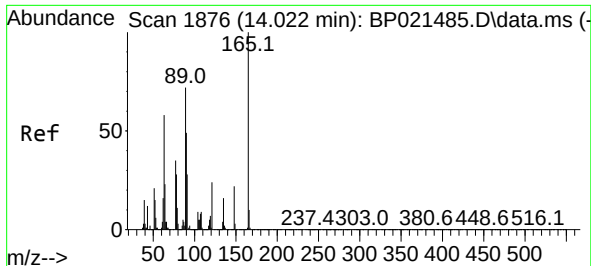
Ion Ratio Lower Upper

65 100

92 114.6 58.1 87.1#

138 33.6 65.5 98.3#

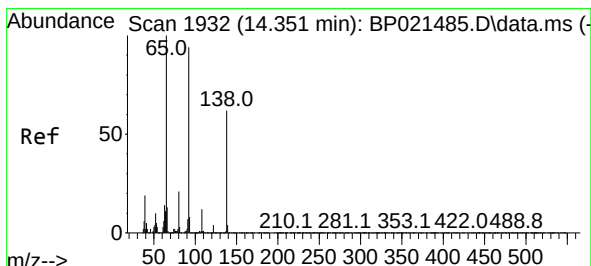
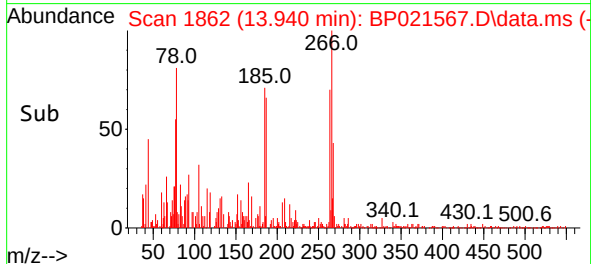
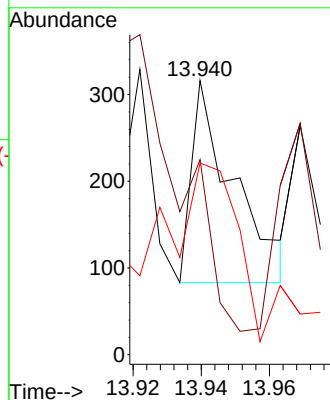
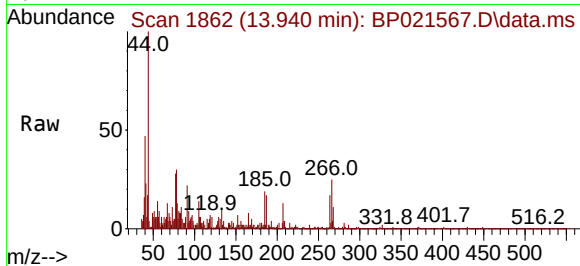




#51  
2,6-Dinitrotoluene  
Concen: 3.999 ng  
RT: 13.940 min Scan# 1862  
Delta R.T. -0.082 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

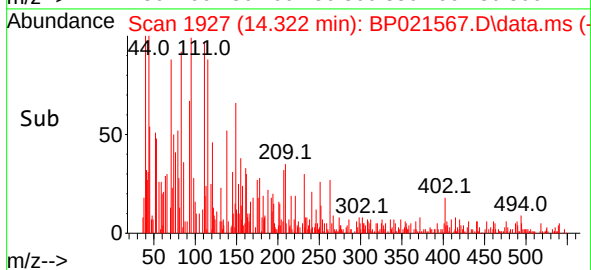
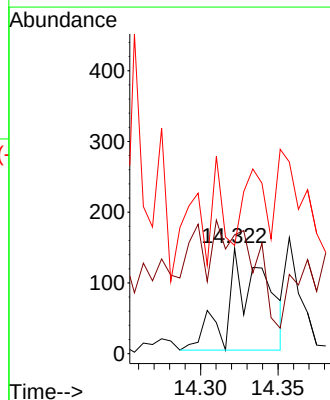
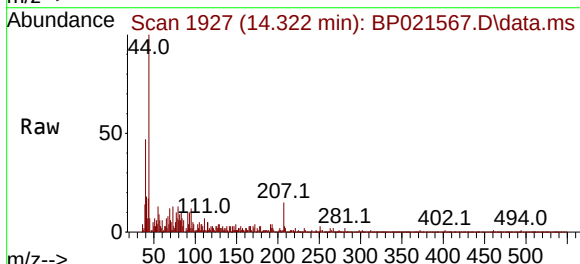
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

Tgt Ion:165 Resp: 201  
Ion Ratio Lower Upper  
165 100  
63 71.2 51.5 77.3  
89 69.9 57.8 86.8

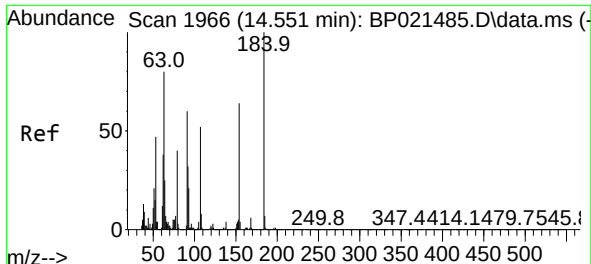


#53  
3-Nitroaniline  
Concen: 3.986 ng  
RT: 14.322 min Scan# 1927  
Delta R.T. -0.029 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:138 Resp: 245  
Ion Ratio Lower Upper  
138 100  
108 112.8 16.2 24.4#  
92 102.7 122.2 183.4#



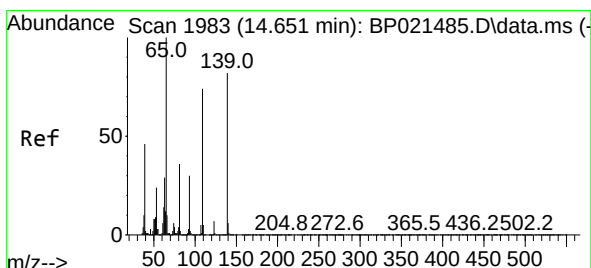
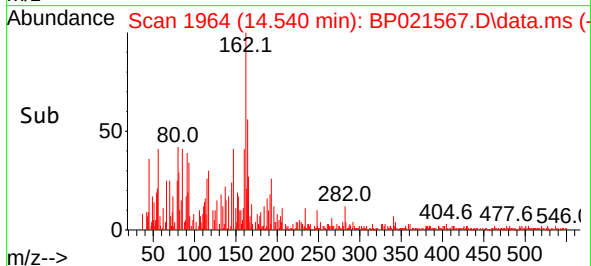
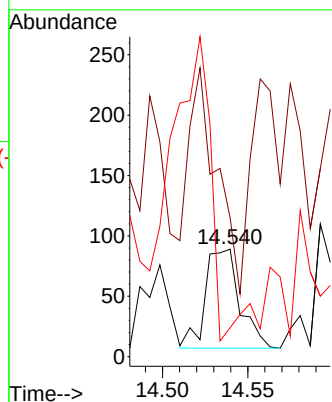
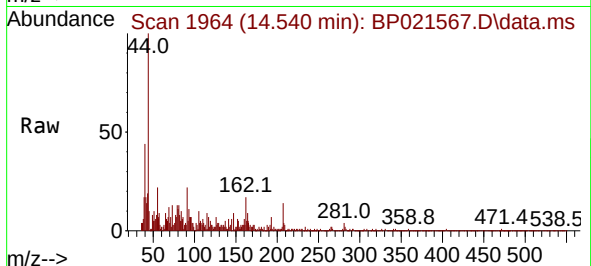




#54  
2,4-Dinitrophenol  
Concen: 2.476 ng  
RT: 14.540 min Scan# 1964  
Delta R.T. -0.011 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

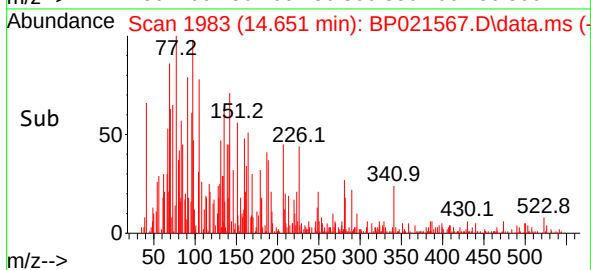
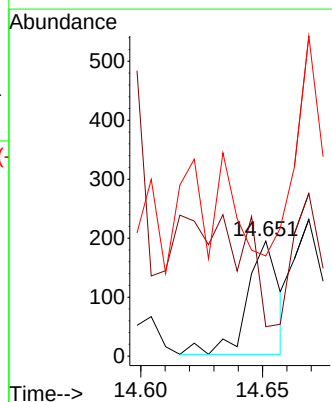
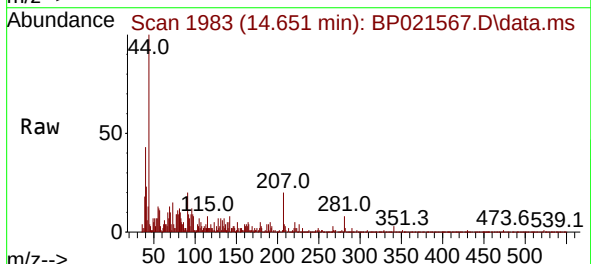
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

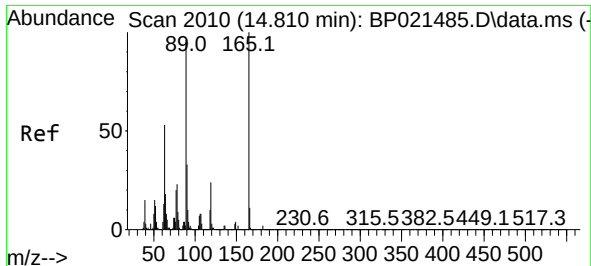
Tgt Ion:184 Resp: 115  
Ion Ratio Lower Upper  
184 100  
63 129.2 64.9 97.3#  
154 27.0 52.1 78.1#



#56  
4-Nitrophenol  
Concen: 5.093 ng  
RT: 14.651 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:139 Resp: 174  
Ion Ratio Lower Upper  
139 100  
109 25.6 70.2 110.2#  
65 87.2 101.8 141.8#

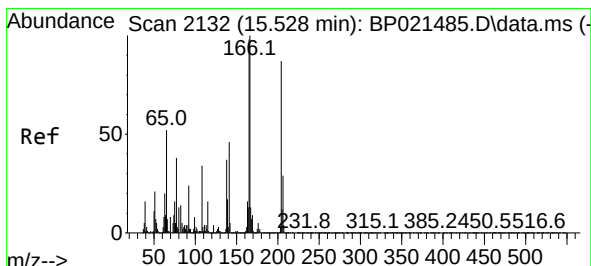
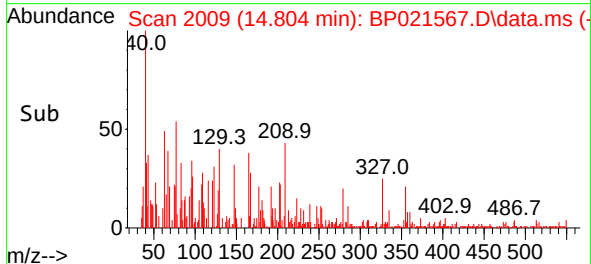
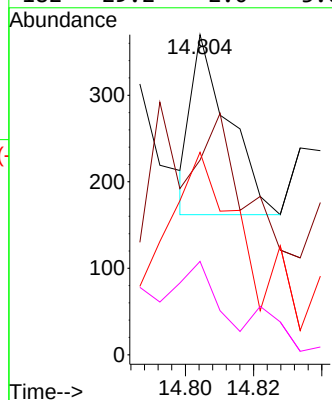
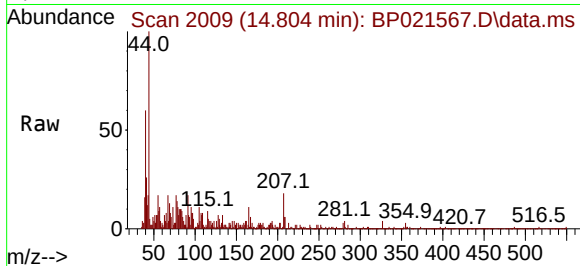




#57  
2,4-Dinitrotoluene  
Concen: 5.030 ng  
RT: 14.804 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

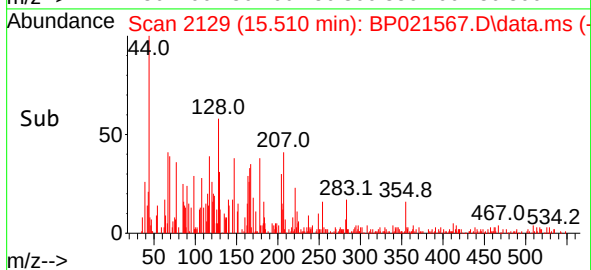
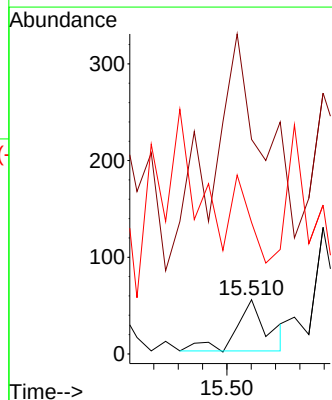
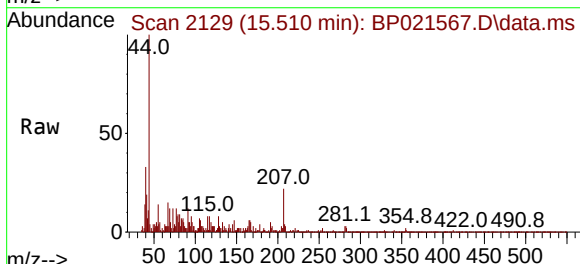
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

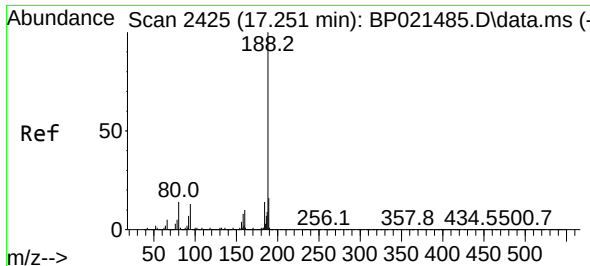
Tgt Ion:165 Resp: 156  
Ion Ratio Lower Upper  
165 100  
63 60.8 42.5 63.7  
89 63.2 77.1 115.7#  
182 29.2 2.0 3.0#



#62  
4-Nitroaniline  
Concen: 2.938 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.018 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:138 Resp: 48  
Ion Ratio Lower Upper  
138 100  
92 396.4 46.4 86.4#  
108 242.9 73.2 113.2#

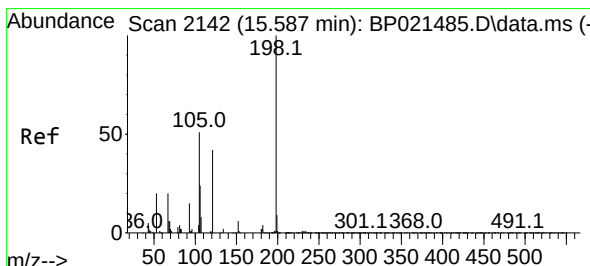
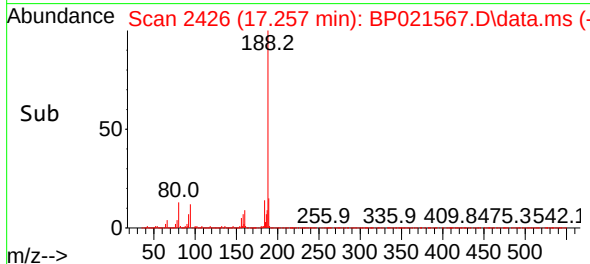
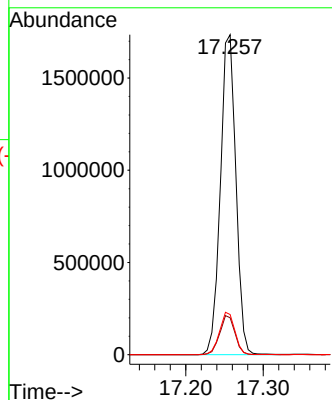
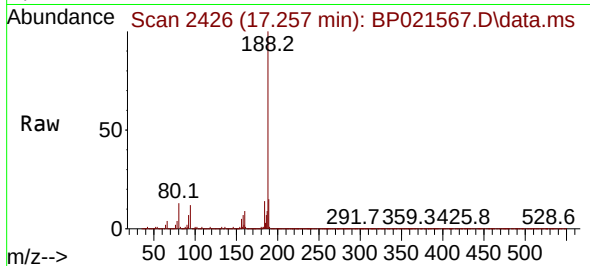




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2425  
Delta R.T. 0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

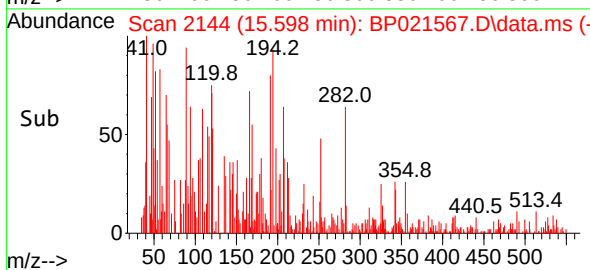
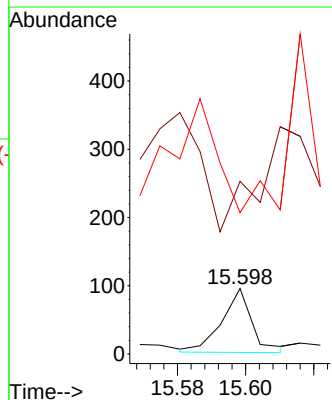
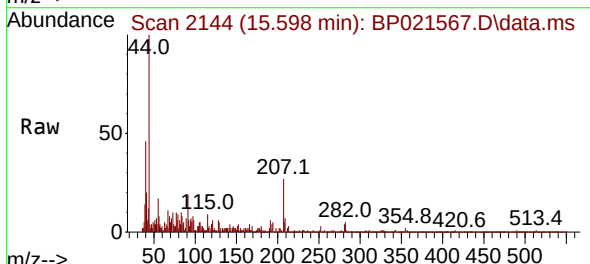
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

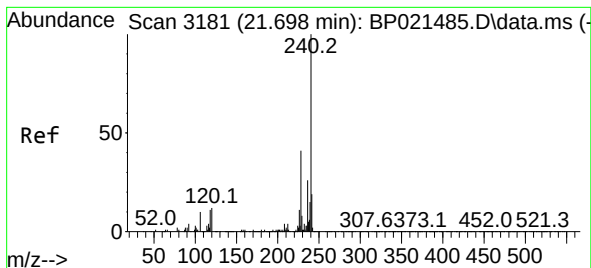
Tgt Ion:188 Resp: 2408801  
Ion Ratio Lower Upper  
188 100  
94 11.6 10.2 15.4  
80 12.6 11.6 17.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.616 ng  
RT: 15.598 min Scan# 2144  
Delta R.T. 0.011 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:198 Resp: 57  
Ion Ratio Lower Upper  
198 100  
51 263.5 21.5 61.5#  
105 215.6 32.9 72.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.722 min Scan# 3185

Delta R.T. 0.024 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

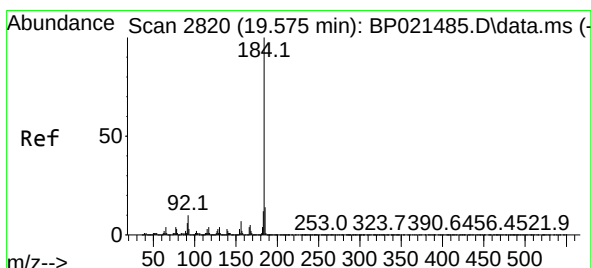
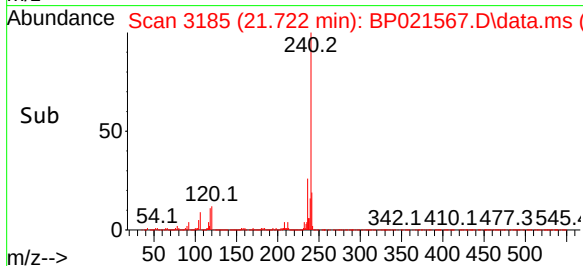
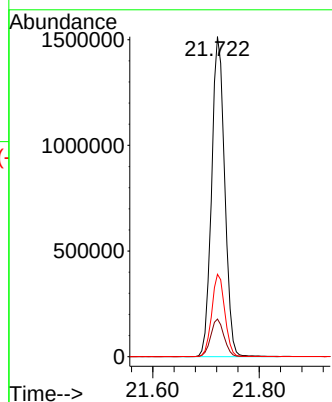
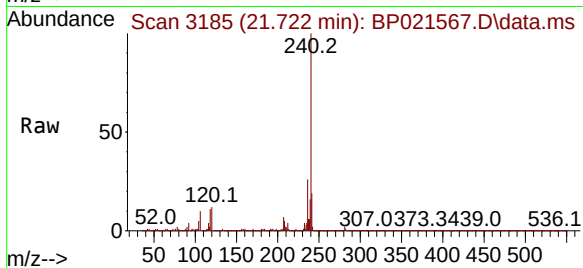
Tgt Ion:240 Resp: 2576176

Ion Ratio Lower Upper

240 100

120 11.8 9.9 14.9

236 25.7 20.6 30.8



#77

Benzidine

Concen: 4.598 ng

RT: 19.575 min Scan# 2820

Delta R.T. -0.000 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

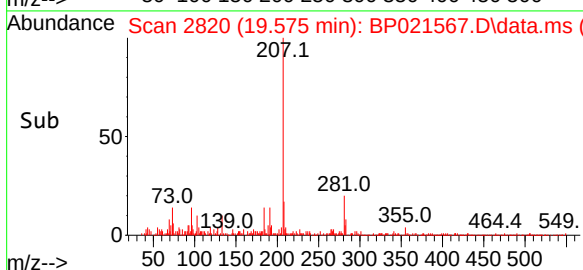
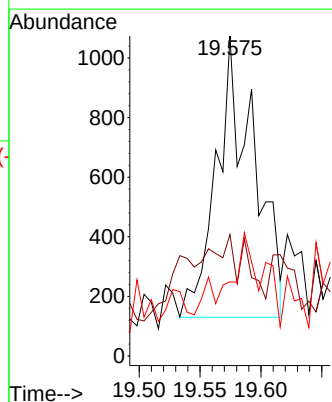
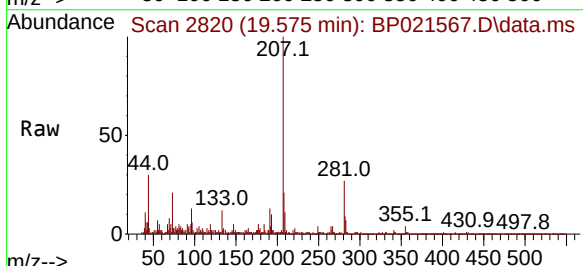
Tgt Ion:184 Resp: 2015

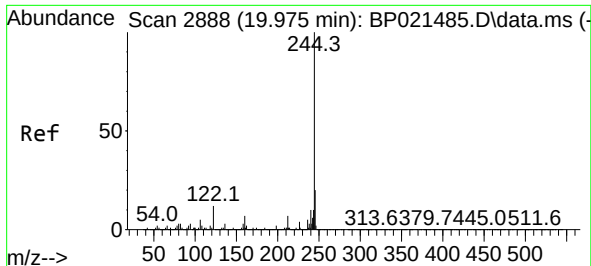
Ion Ratio Lower Upper

184 100

185 38.0 11.4 17.0#

183 23.2 9.3 13.9#

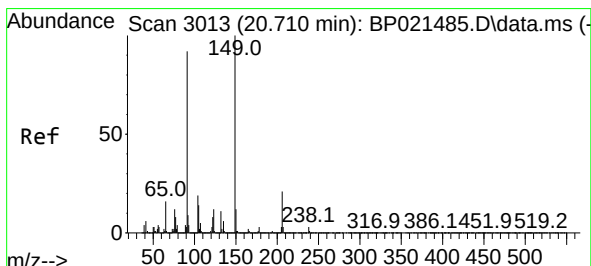
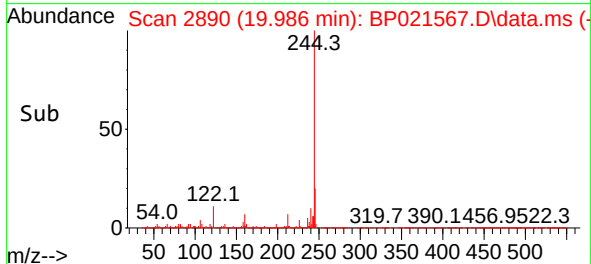
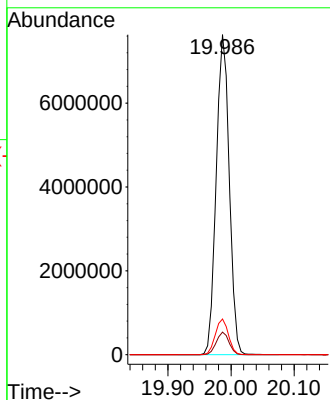
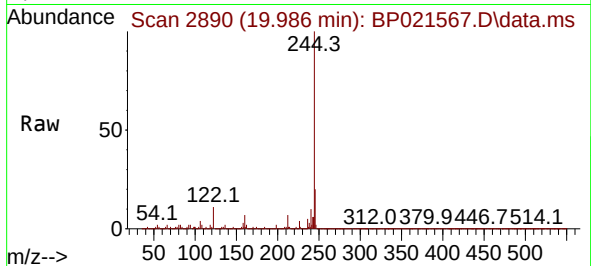




#79  
 Terphenyl-d14  
 Concen: 82.358 ng  
 RT: 19.986 min Scan# 21  
 Delta R.T. 0.011 min  
 Lab File: BP021567.D  
 Acq: 20 Aug 2024 10:49

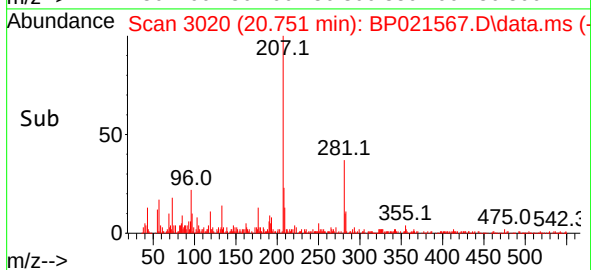
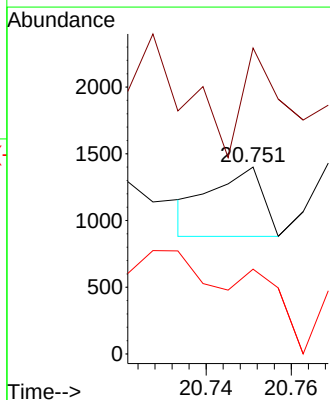
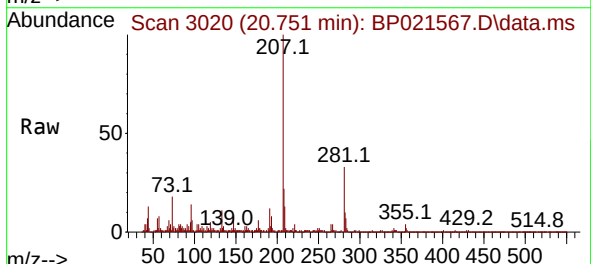
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162822BL

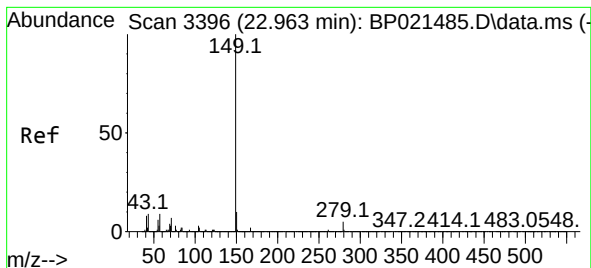
Tgt Ion:244 Resp:10921233  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 11.1 9.4 14.2



#80  
 Butylbenzylphthalate  
 Concen: 3.609 ng  
 RT: 20.751 min Scan# 3020  
 Delta R.T. 0.041 min  
 Lab File: BP021567.D  
 Acq: 20 Aug 2024 10:49

Tgt Ion:149 Resp: 434  
 Ion Ratio Lower Upper  
 149 100  
 91 163.8 73.3 109.9#  
 206 45.4 17.1 25.7#





#85

Di-n-octyl phthalate

Concen: 4.844 ng

RT: 22.986 min Scan# 34

Delta R.T. 0.023 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

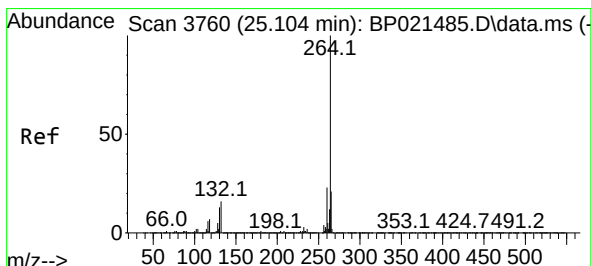
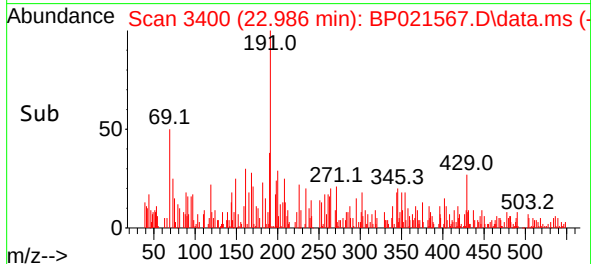
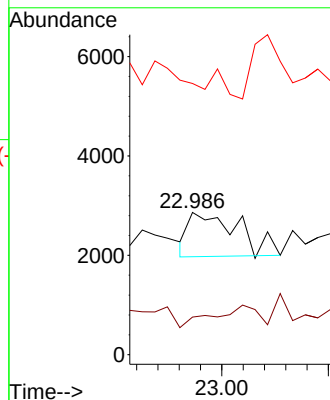
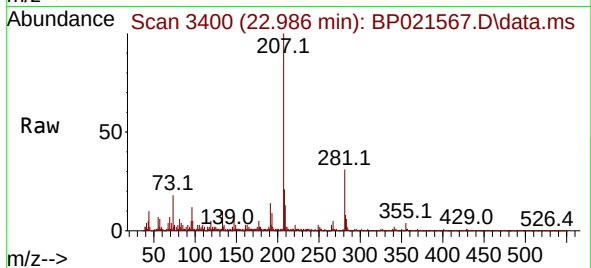
Tgt Ion:149 Resp: 1444

Ion Ratio Lower Upper

149 100

167 34.2 1.3 1.9#

43 0.0 7.3 10.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.180 min Scan# 3773

Delta R.T. 0.076 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Tgt Ion:264 Resp: 2892860

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.1 17.1 25.7

