

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031723\  
 Data File : BP014120.D  
 Acq On : 17 Mar 2023 14:41  
 Operator : CG/JU  
 Sample : 01924-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CHRT27051

Quant Time: Mar 18 00:23:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 18 00:19:43 2023  
 Response via : Initial Calibration

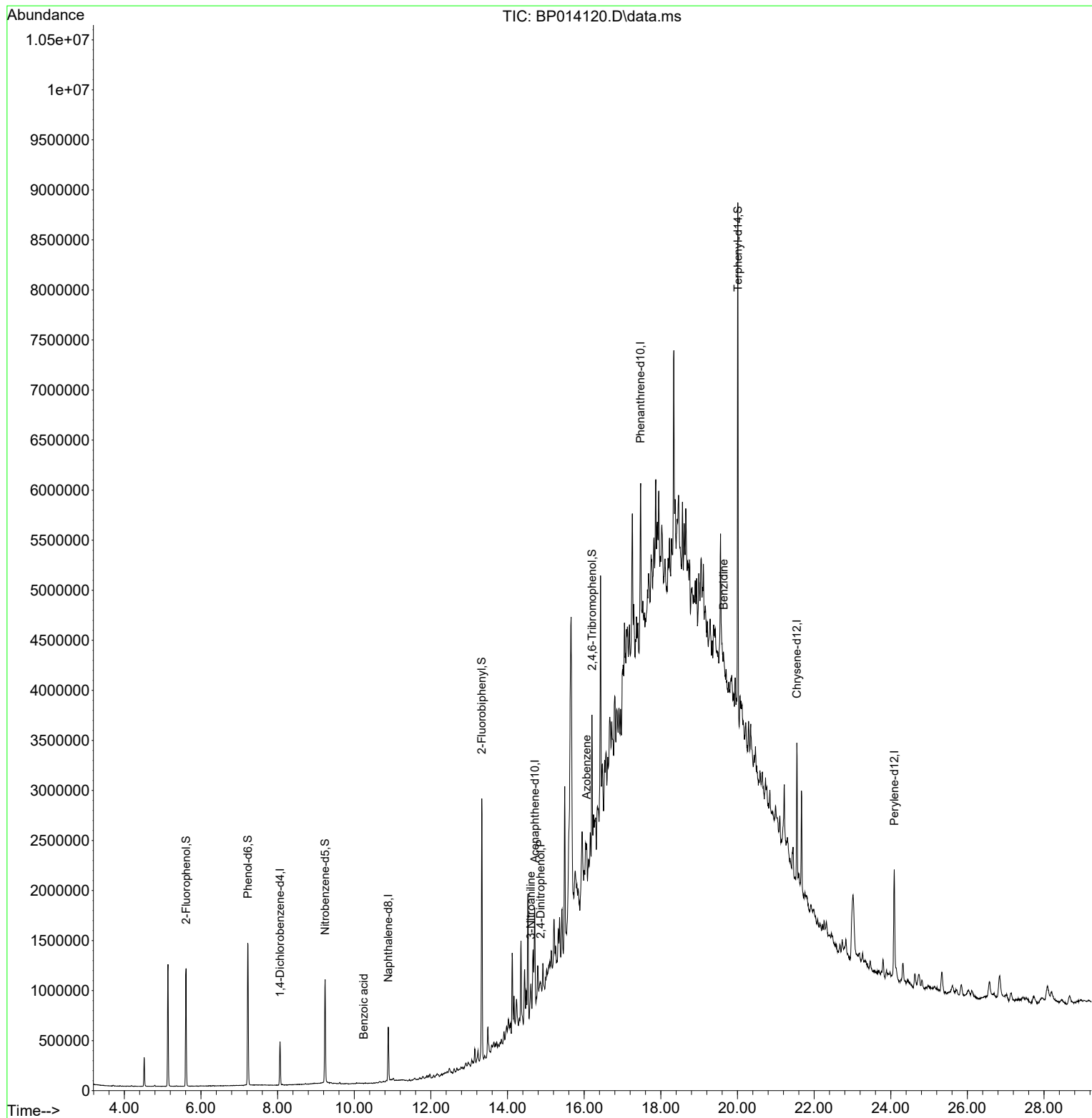
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.063  | 152  | 110456   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.887 | 136  | 430429   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.710 | 164  | 274745   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.469 | 188  | 592245   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.551 | 240  | 684927   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.092 | 264  | 837419   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.611  | 112  | 473891   | 69.578 | ng    | 0.00     |
| 7) Phenol-d6                | 7.222  | 99   | 784268   | 87.704 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.240  | 82   | 582284   | 61.831 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.204 | 330  | 234011   | 52.533 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.328 | 172  | 1273207  | 60.039 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.010 | 244  | 2333523  | 56.179 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid            | 10.246 | 122  | 72       | 2.713  | ng    | # 1      |
| 53) 3-Nitroaniline          | 14.610 | 138  | 13942    | 2.980  | ng    | # 13     |
| 54) 2,4-Dinitrophenol       | 14.863 | 184  | 501      | 3.215  | ng    | # 1      |
| 63) Azobenzene              | 16.063 | 77   | 68540    | 3.310  | ng    | # 22     |
| 77) Benzidine               | 19.639 | 184  | 666      | 2.875  | ng    | # 1      |
| -----                       |        |      |          |        |       |          |

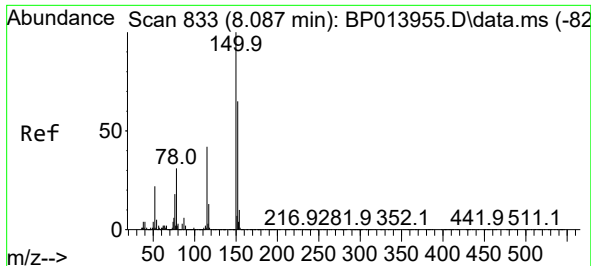
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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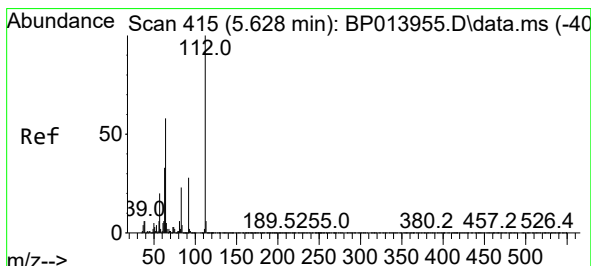
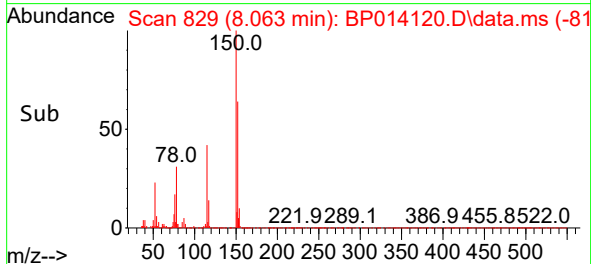
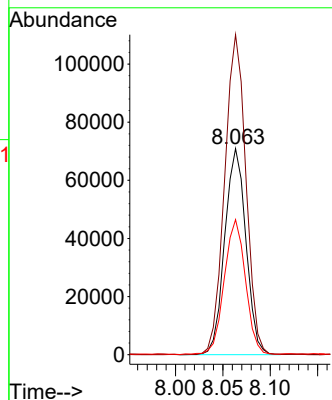
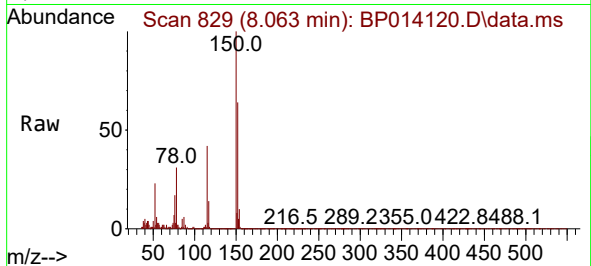




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.063 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

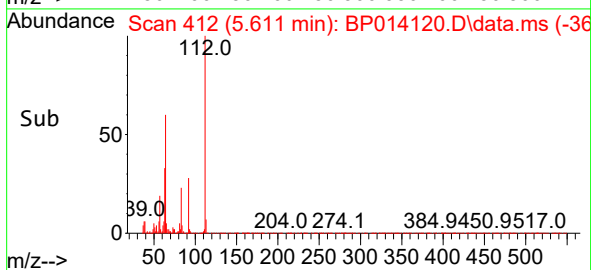
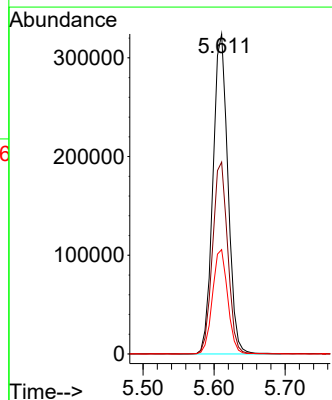
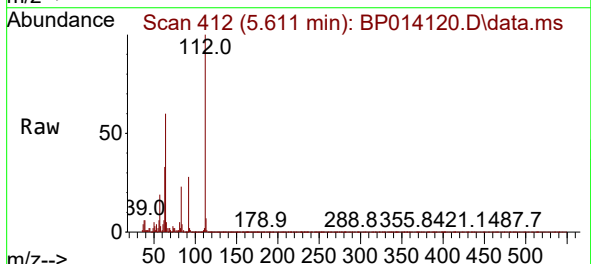
Instrument :  
BNA\_P  
ClientSampleId :  
CHRT27051

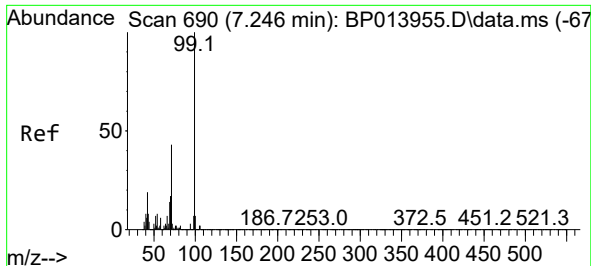
Tgt Ion:152 Resp: 110456  
Ion Ratio Lower Upper  
152 100  
150 155.3 122.3 183.5  
115 65.5 51.6 77.4



#5  
2-Fluorophenol  
Concen: 69.578 ng  
RT: 5.611 min Scan# 412  
Delta R.T. 0.006 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

Tgt Ion:112 Resp: 473891  
Ion Ratio Lower Upper  
112 100  
64 60.0 46.7 70.1  
63 32.6 26.6 40.0

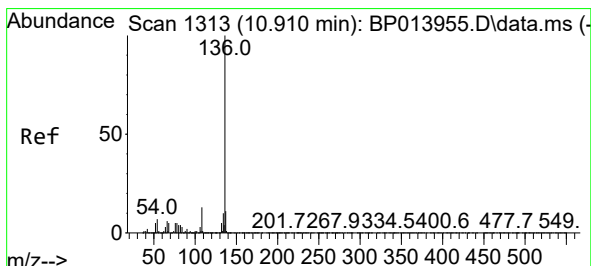
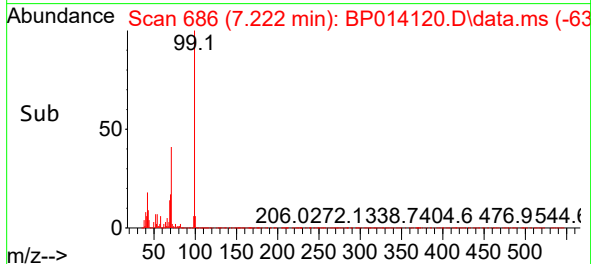
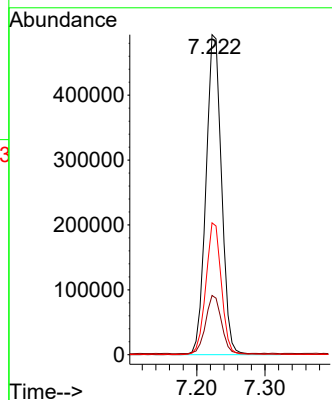
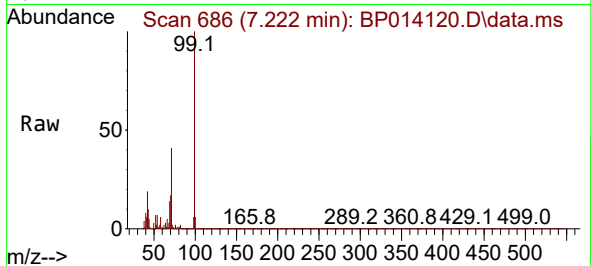




#7  
Phenol-d6  
Concen: 87.704 ng  
RT: 7.222 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

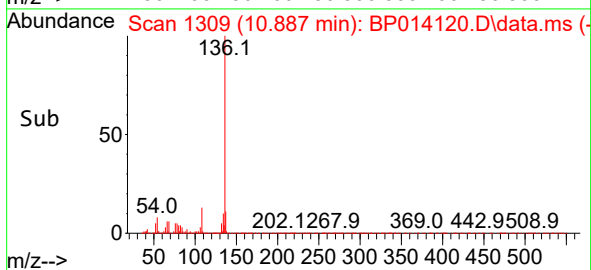
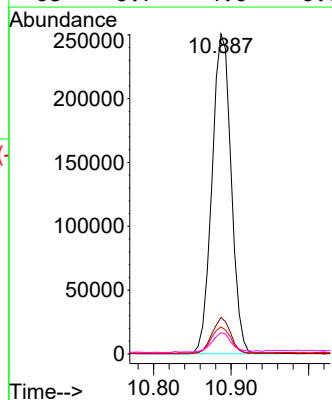
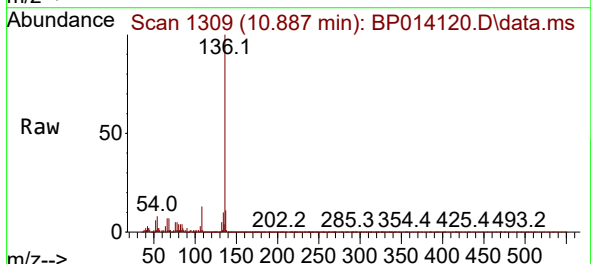
Instrument :  
BNA\_P  
ClientSampleId :  
CHRT27051

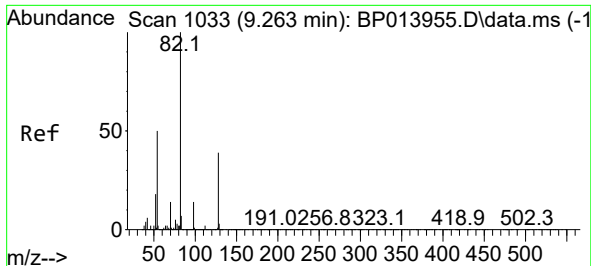
Tgt Ion: 99 Resp: 784268  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.0 22.6  
71 41.2 34.3 51.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.887 min Scan# 1309  
Delta R.T. -0.000 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

Tgt Ion: 136 Resp: 430429  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.7 13.1  
54 8.5 5.8 8.8  
68 6.7 4.0 6.0#

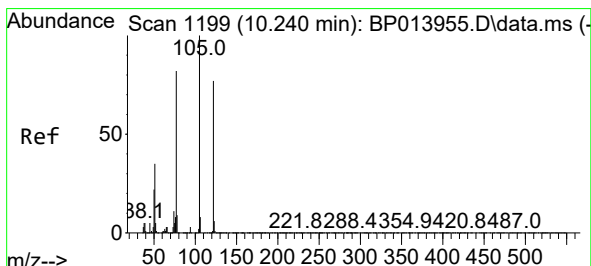
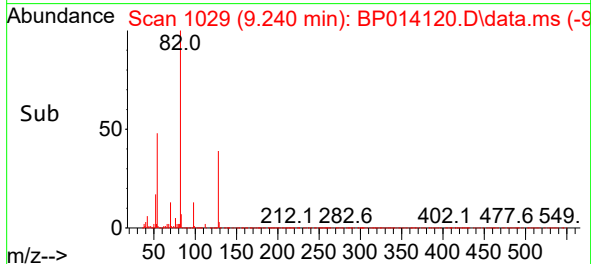
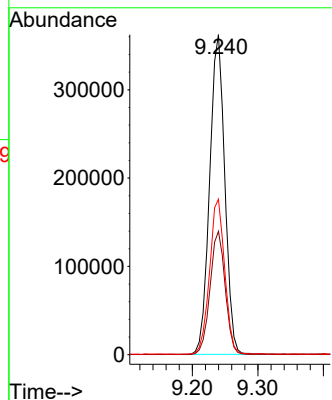
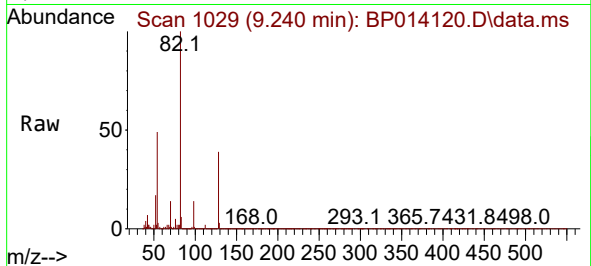




#23  
Nitrobenzene-d5  
Concen: 61.831 ng  
RT: 9.240 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

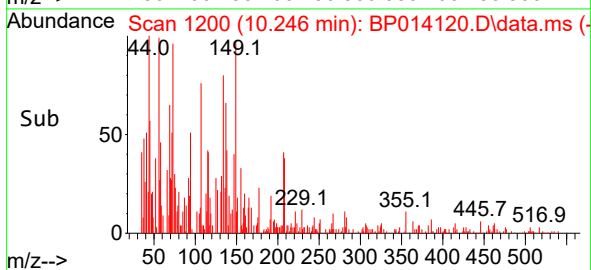
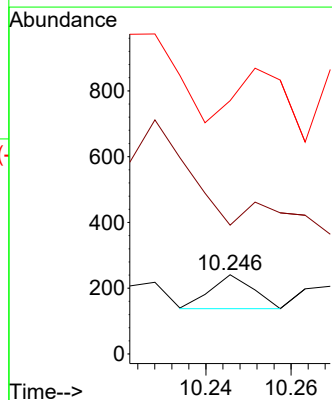
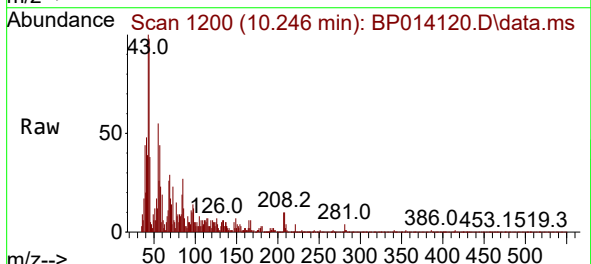
Instrument :  
BNA\_P  
ClientSampleId :  
CHRT27051

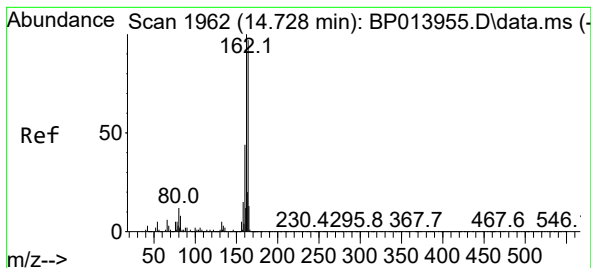
Tgt Ion: 82 Resp: 582284  
Ion Ratio Lower Upper  
82 100  
128 38.6 31.1 46.7  
54 48.6 40.0 60.0



#32  
Benzoic acid  
Concen: 2.713 ng  
RT: 10.246 min Scan# 1200  
Delta R.T. 0.018 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

Tgt Ion: 122 Resp: 72  
Ion Ratio Lower Upper  
122 100  
105 162.7 108.2 148.2#  
77 319.5 85.2 125.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.710 min Scan# 1959

Delta R.T. -0.000 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

Instrument :

BNA\_P

ClientSampleId :

CHRT27051

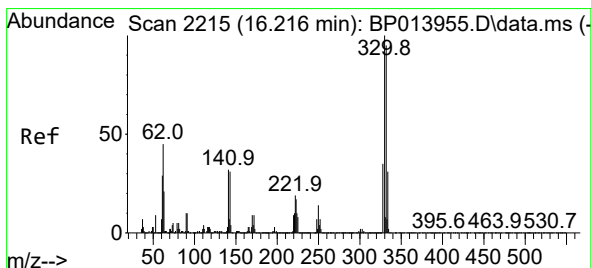
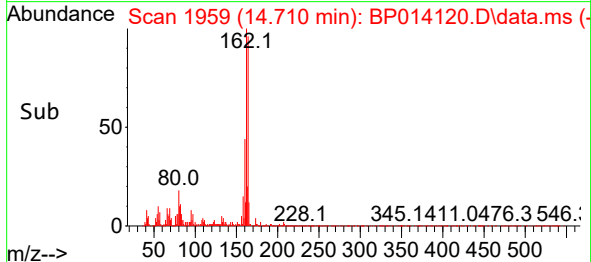
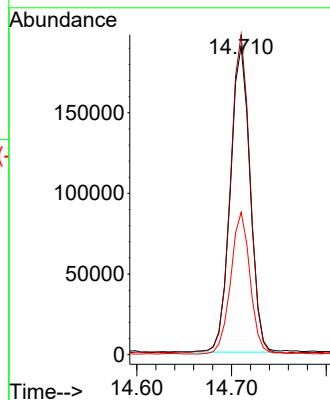
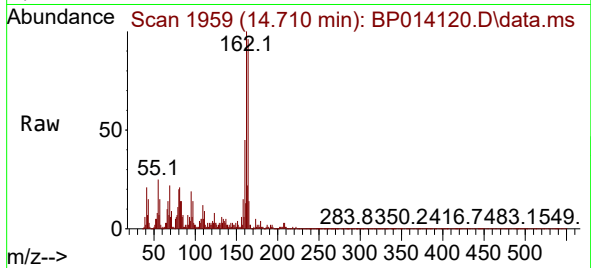
Tgt Ion:164 Resp: 274745

Ion Ratio Lower Upper

164 100

162 103.6 82.1 123.1

160 46.1 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 52.533 ng

RT: 16.204 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

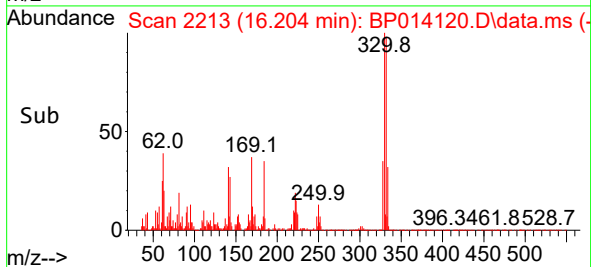
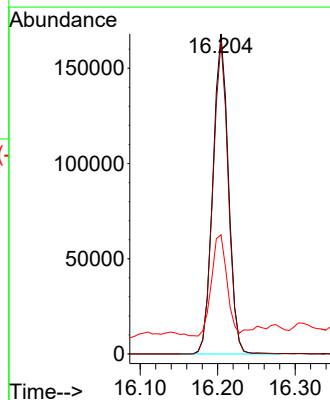
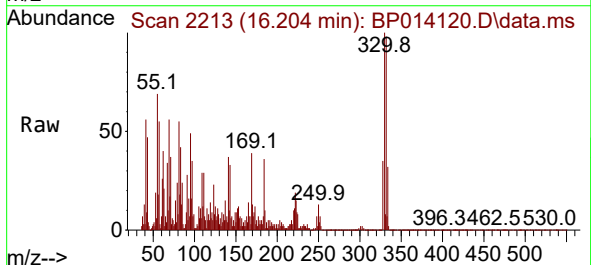
Tgt Ion:330 Resp: 234011

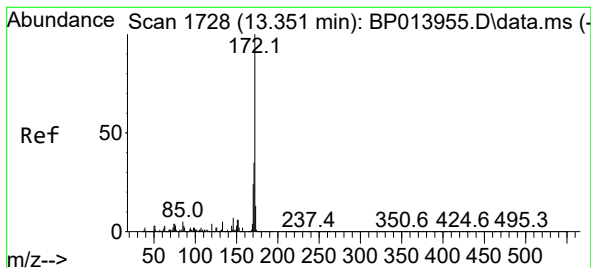
Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

141 31.3 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 60.039 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

Instrument :

BNA\_P

ClientSampleId :

CHRT27051

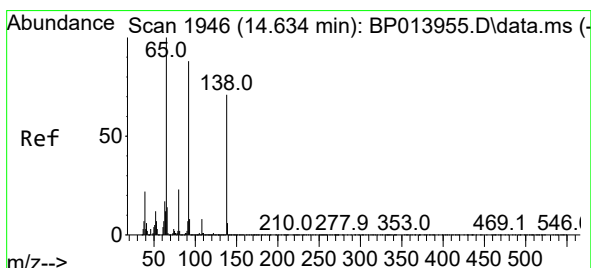
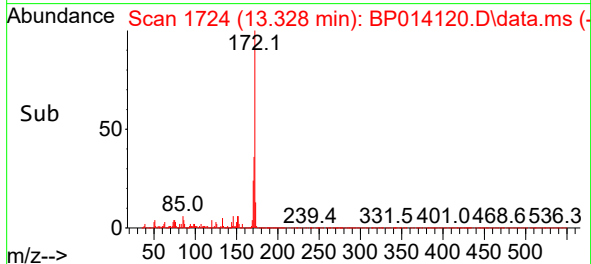
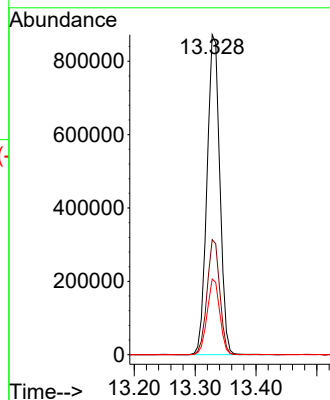
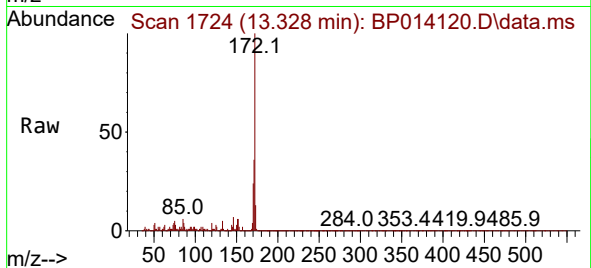
Tgt Ion:172 Resp: 1273207

Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.7 19.0 28.4



#53

3-Nitroaniline

Concen: 2.980 ng

RT: 14.610 min Scan# 1942

Delta R.T. -0.012 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

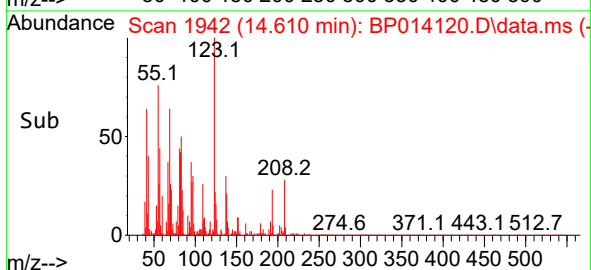
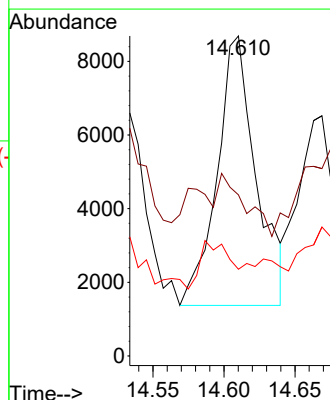
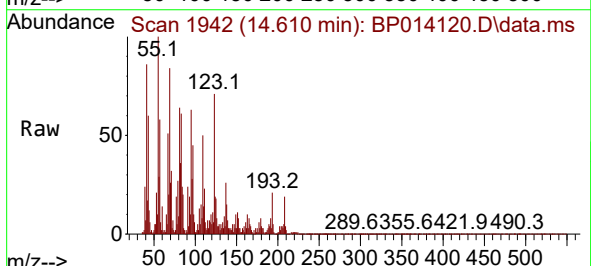
Tgt Ion:138 Resp: 13942

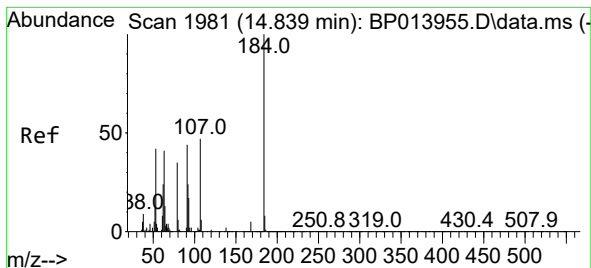
Ion Ratio Lower Upper

138 100

108 50.4 9.5 14.3#

92 27.1 99.2 148.8#





#54

2,4-Dinitrophenol

Concen: 3.215 ng

RT: 14.863 min Scan# 1985

Delta R.T. 0.041 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

Instrument :

BNA\_P

ClientSampleId :

CHRT27051

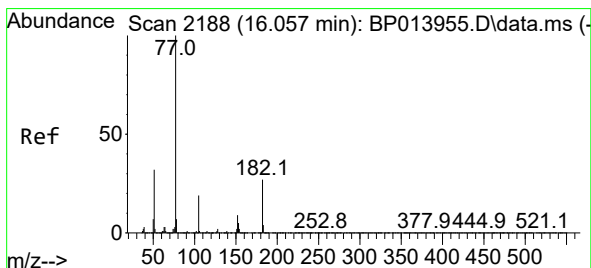
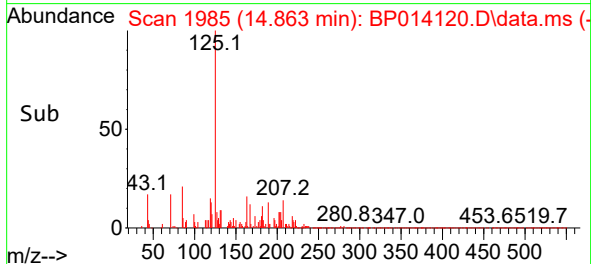
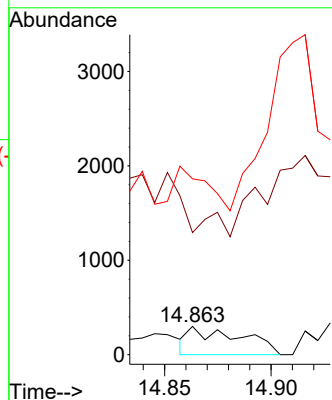
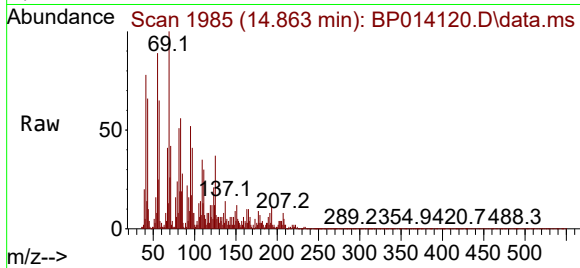
Tgt Ion:184 Resp: 501

Ion Ratio Lower Upper

184 100

63 432.8 52.4 78.6#

154 623.1 59.4 89.2#



#63

Azobenzene

Concen: 3.310 ng

RT: 16.063 min Scan# 2189

Delta R.T. 0.023 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

Tgt Ion: 77 Resp: 68540

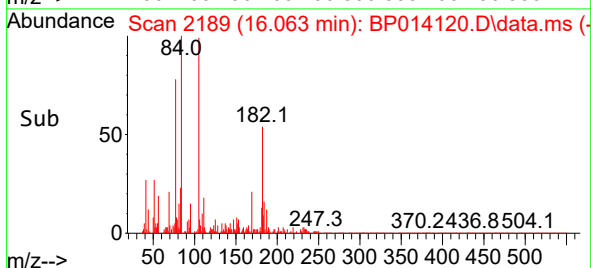
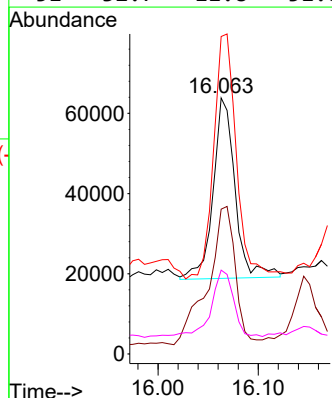
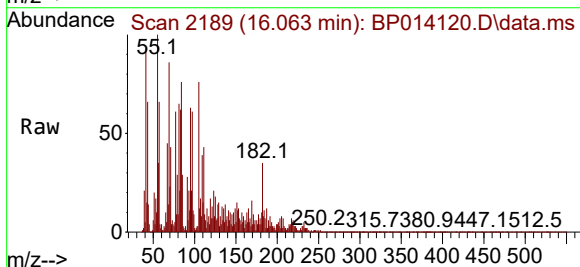
Ion Ratio Lower Upper

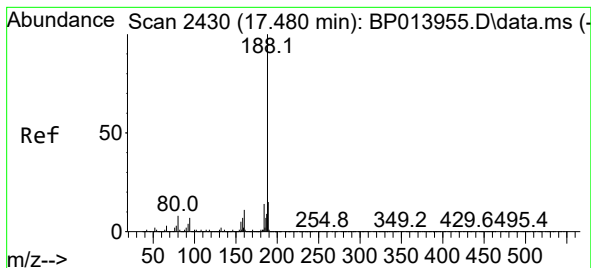
77 100

182 56.6 6.9 46.9#

105 124.0 0.0 39.4#

51 32.7 11.8 51.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.469 min Scan# 2428

Delta R.T. -0.000 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

Instrument :

BNA\_P

ClientSampleId :

CHRT27051

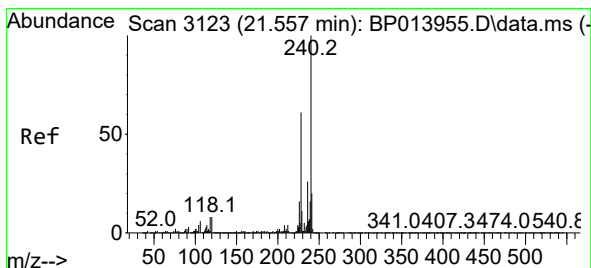
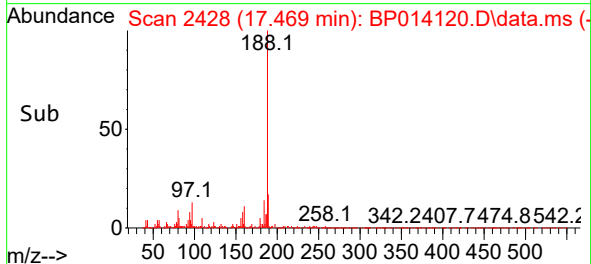
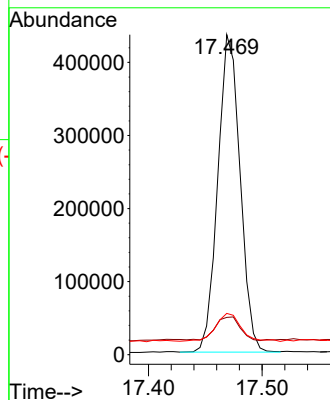
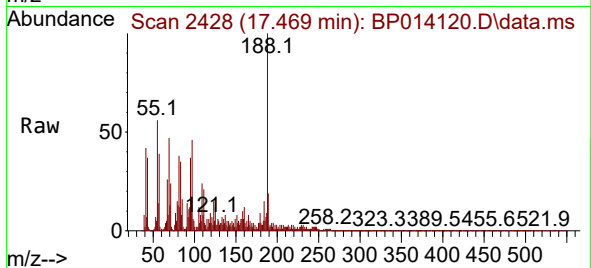
Tgt Ion:188 Resp: 592245

Ion Ratio Lower Upper

188 100

94 11.7 5.8 8.6#

80 12.9 6.6 9.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.551 min Scan# 3122

Delta R.T. -0.000 min

Lab File: BP014120.D

Acq: 17 Mar 2023 14:41

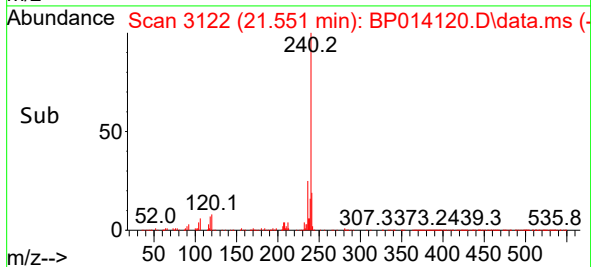
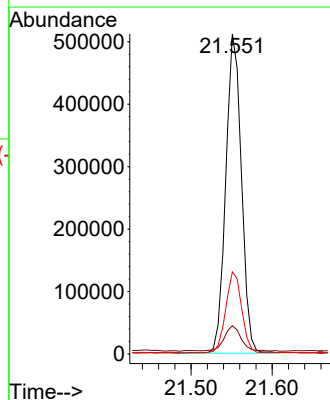
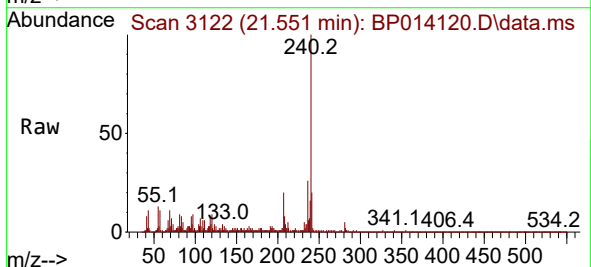
Tgt Ion:240 Resp: 684927

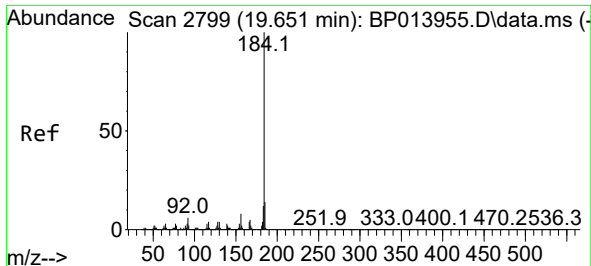
Ion Ratio Lower Upper

240 100

120 8.9 6.4 9.6

236 25.6 21.2 31.8

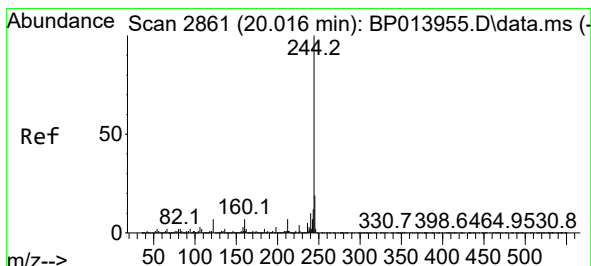
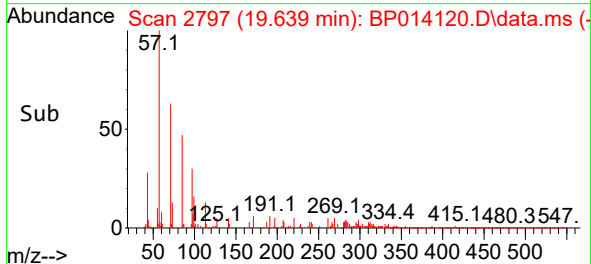
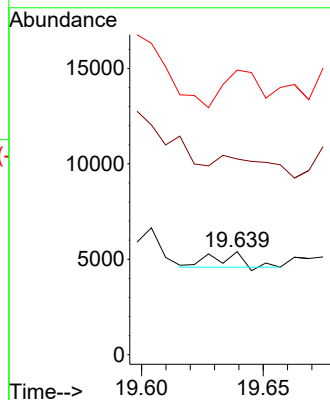
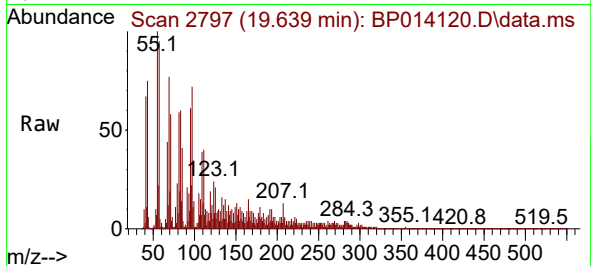




#77  
Benzidine  
Concen: 2.875 ng  
RT: 19.639 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

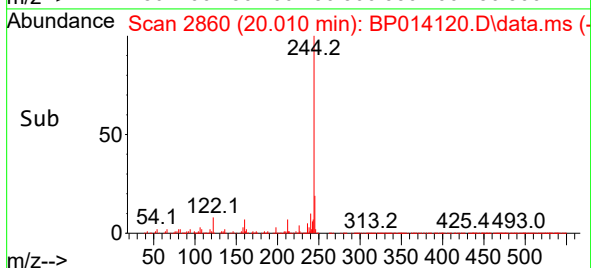
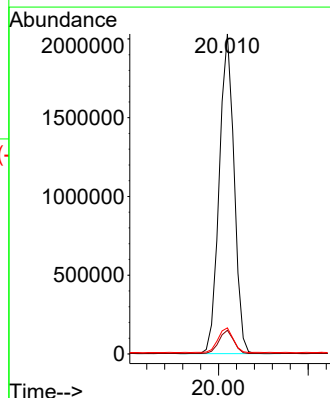
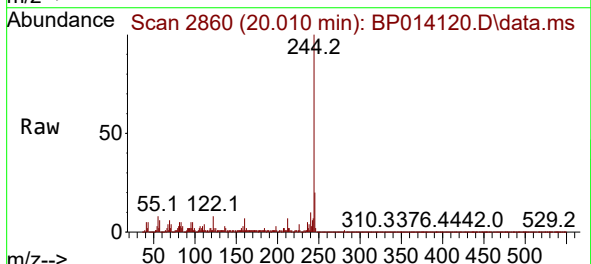
Instrument :  
BNA\_P  
ClientSampleId :  
CHRT27051

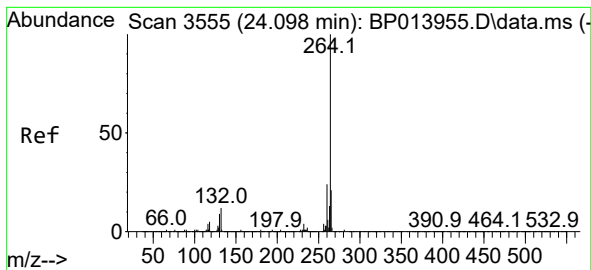
Tgt Ion:184 Resp: 666  
Ion Ratio Lower Upper  
184 100  
185 189.8 11.6 17.4#  
183 276.2 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 56.179 ng  
RT: 20.010 min Scan# 2860  
Delta R.T. 0.006 min  
Lab File: BP014120.D  
Acq: 17 Mar 2023 14:41

Tgt Ion:244 Resp: 2333523  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 8.1 5.8 8.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.092 min Scan# 31  
 Delta R.T. 0.006 min  
 Lab File: BP014120.D  
 Acq: 17 Mar 2023 14:41

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CHRT27051

Tgt Ion:264 Resp: 837419  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.4 29.2  
 265 22.2 17.8 26.8

