

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121323\  
 Data File : BP018875.D  
 Acq On : 15 Dec 2023 10:48  
 Operator : MA/JU  
 Sample : 05627-02DL 2X  
 Misc :  
 ALS Vial : 70 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCLD9DL

Quant Time: Dec 15 11:18:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 13 23:34:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.816  | 152  | 237717   | 20.000 | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.616 | 136  | 871204   | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.457 | 164  | 509499   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 1157683  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1291799  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.669 | 264  | 1515820  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 21243    | 3.045  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.670  | 84   | 266956   | 14.287 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.987  | 99   | 316337   | 13.260 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.158  | 67   | 189107   | 13.375 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.346  | 132  | 245349   | 13.180 | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.528  | 113  | 238879   | 12.373 | ng/u1  | -0.02    |
| 21) Nitrobenzene-d5           | 8.981  | 128  | 107289   | 13.837 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.705  | 143  | 113255   | 14.088 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.240 | 165  | 232574   | 14.148 | ng/u1  | -0.01    |
| 31) 4-Chloroaniline-d4        | 10.758 | 131  | 318528   | 14.827 | ng/u1  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.875 | 166  | 688730   | 15.146 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.151 | 160  | 763054   | 15.239 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.663 | 143  | 100938   | 13.523 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.451 | 176  | 623940   | 16.346 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.575 | 200  | 69148    | 9.962  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.310 | 188  | 1032508  | 16.965 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.551 | 212  | 1341460  | 13.340 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.516 | 264  | 1472480  | 16.660 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 10) Bis(2-Chloroethyl)ether   | 7.246  | 93   | 834265   | 43.422 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.352  | 45   | 1188706  | 48.760 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.022  | 77   | 200787   | 10.650 | ng/u1  | 98       |
| 23) Isophorone                | 9.546  | 82   | 360488   | 9.378  | ng/u1  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.040 | 93   | 785916   | 32.386 | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.281 | 142  | 882493   | 23.570 | ng/u1  | 100      |
| 47) Dimethylphthalate         | 13.922 | 163  | 2966589  | 66.275 | ng/u1  | 99       |
| 50) Acenaphthylene            | 14.181 | 152  | 502565   | 8.927  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.522 | 153  | 724638   | 19.468 | ng/u1  | 98       |
| 61) Fluorene                  | 15.510 | 166  | 886249   | 21.650 | ng/u1  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.404 | 248  | 137663   | 9.419  | ng/u1  | 95       |
| 69) Hexachlorobenzene         | 16.510 | 284  | 342338   | 20.979 | ng/u1  | 98       |
| 72) Phenanthrene              | 17.251 | 178  | 1209313  | 17.296 | ng/u1  | 99       |
| 74) Anthracene                | 17.345 | 178  | 1261956  | 18.006 | ng/u1  | 100      |
| 78) Di-n-butylphthalate       | 18.175 | 149  | 2925605  | 39.335 | ng/u1  | 100      |
| 82) Pyrene                    | 19.575 | 202  | 1029636  | 8.587  | ng/u1  | 98       |
| 83) Butylbenzylphthalate      | 20.457 | 149  | 1303477  | 29.693 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 873198   | 8.328  | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 2089238  | 34.627 | ng/u1# | 99       |
| 89) Di-n-octyl phthalate      | 22.133 | 149  | 5199796  | 46.983 | ng/u1  | 100      |
| 90) Benzo(b)fluoranthene      | 22.945 | 252  | 1176967  | 10.531 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 22.992 | 252  | 1362558  | 12.600 | ng/u1  | 99       |
| 93) Benzo(a)pyrene            | 23.563 | 252  | 512795   | 5.021  | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.139 | 278  | 1811511  | 17.848 | ng/u1  | 97       |

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Sample : 05627-02DL 2X  
Misc :  
ALS Vial : 70 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCLD9DL

Quant Time: Dec 15 11:18:02 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 13 23:34:47 2023  
Response via : Initial Calibration

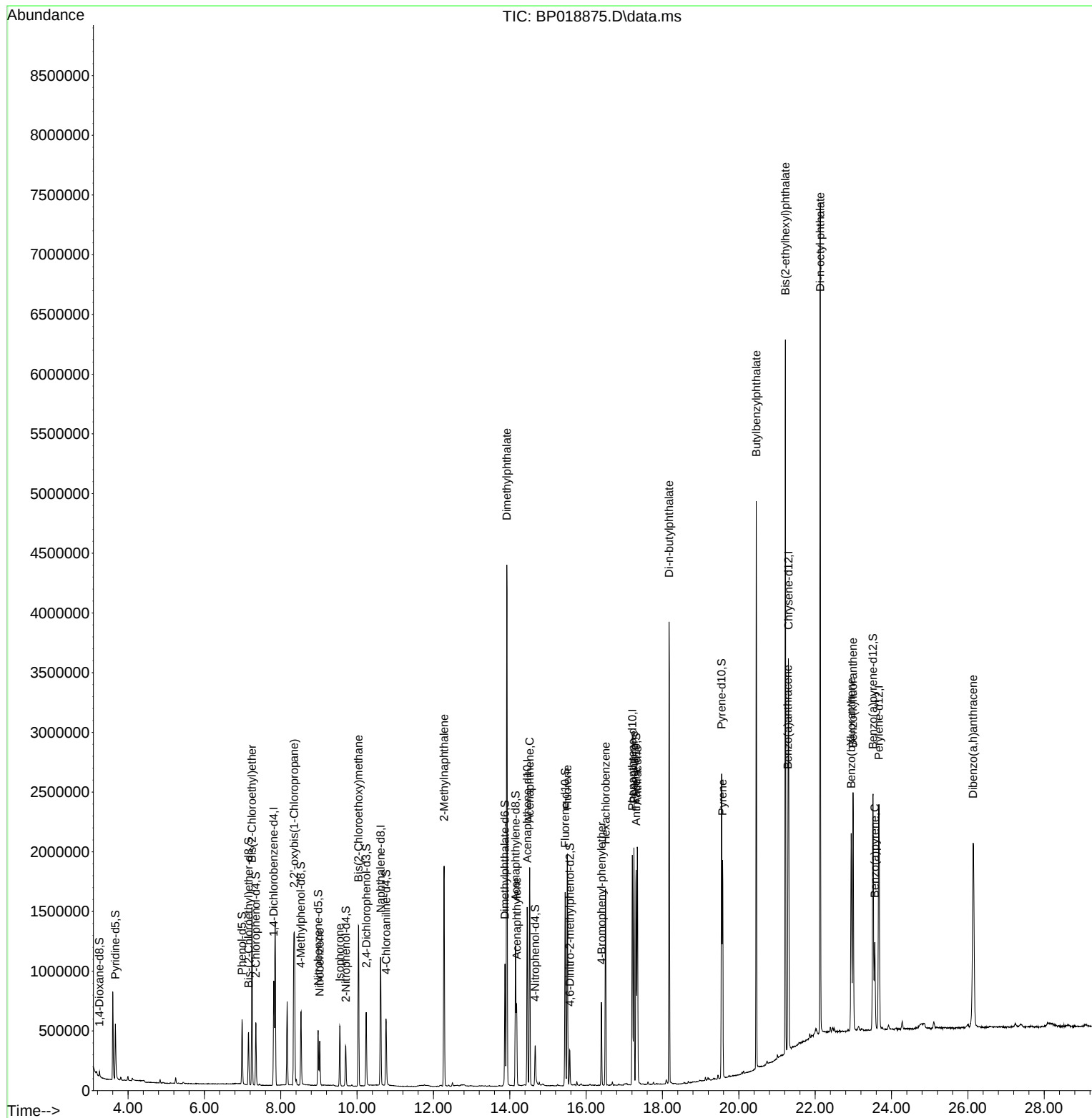
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

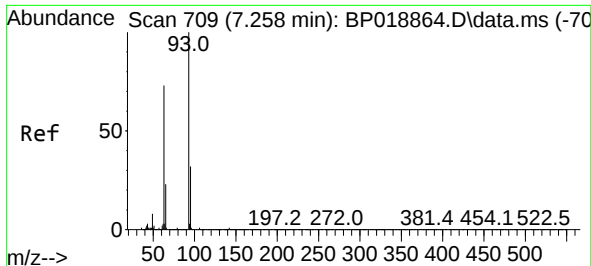
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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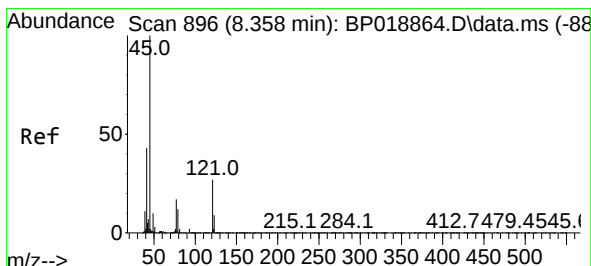
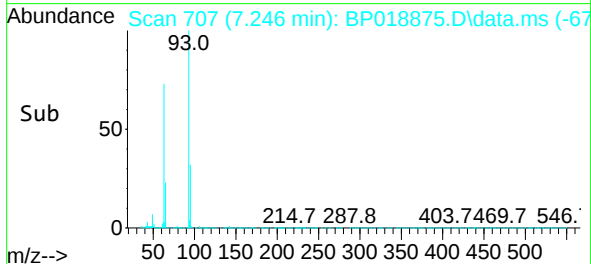
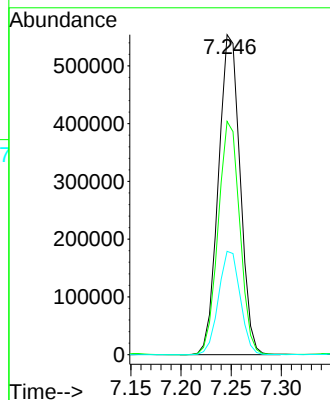
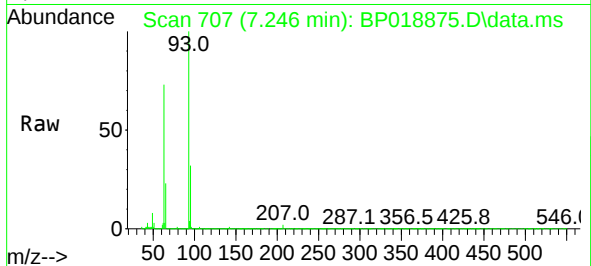




#10  
 Bis(2-Chloroethyl)ether  
 Concen: 43.422 ng/ul  
 RT: 7.246 min Scan# 709  
 Delta R.T. -0.017 min  
 Lab File: BP018875.D  
 Acq: 15 Dec 2023 10:48

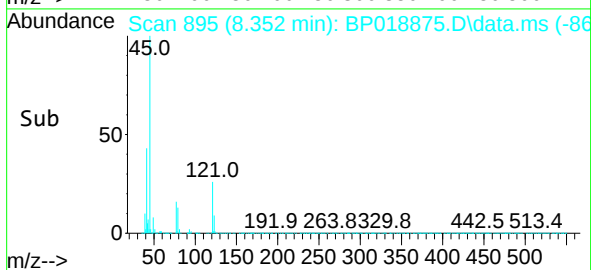
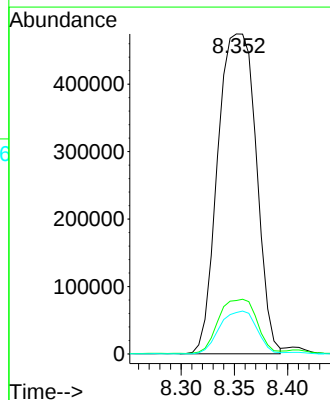
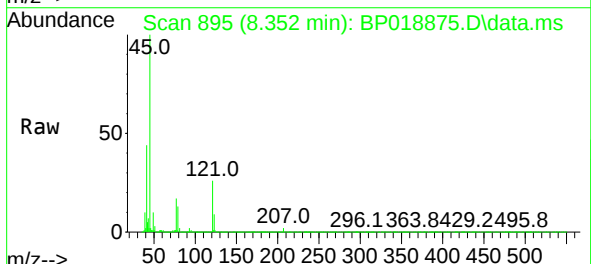
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCLD9DL

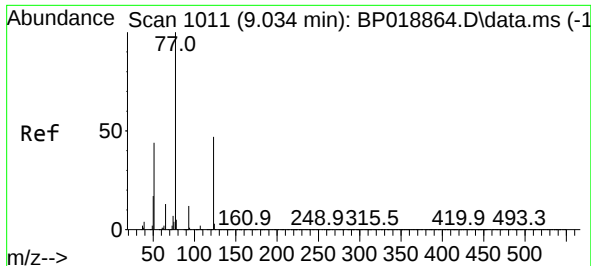
Tgt Ion: 93 Resp: 834265  
 Ion Ratio Lower Upper  
 93 100  
 63 72.9 58.3 87.5  
 95 32.3 25.9 38.9



#14  
 2,2'-oxybis(1-Chloropropane)  
 Concen: 48.760 ng/ul  
 RT: 8.352 min Scan# 895  
 Delta R.T. -0.006 min  
 Lab File: BP018875.D  
 Acq: 15 Dec 2023 10:48

Tgt Ion: 45 Resp: 1188706  
 Ion Ratio Lower Upper  
 45 100  
 77 16.7 12.7 19.1  
 79 13.0 10.5 15.7

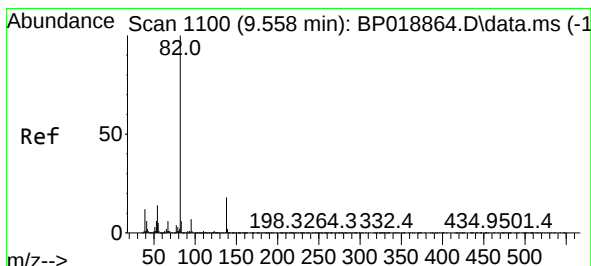
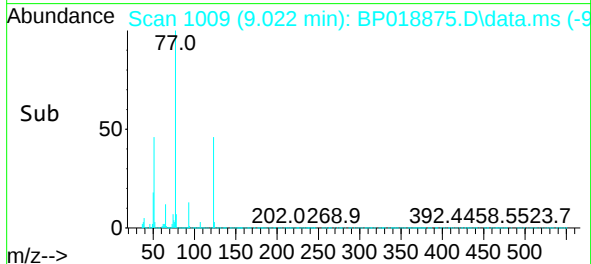
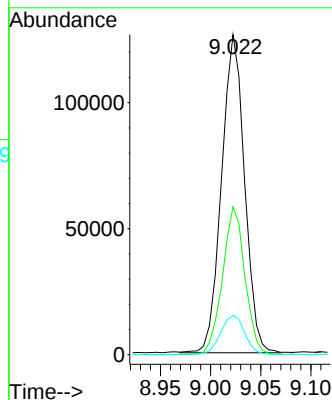
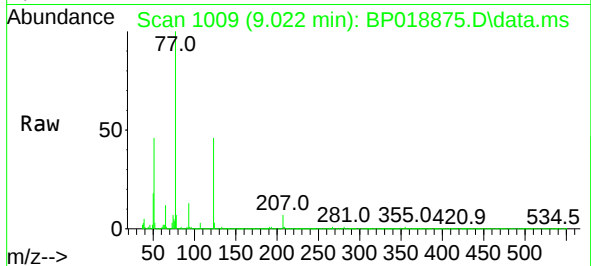




#22  
Nitrobenzene  
Concen: 10.650 ng/ul  
RT: 9.022 min Scan# 1009  
Delta R.T. -0.012 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

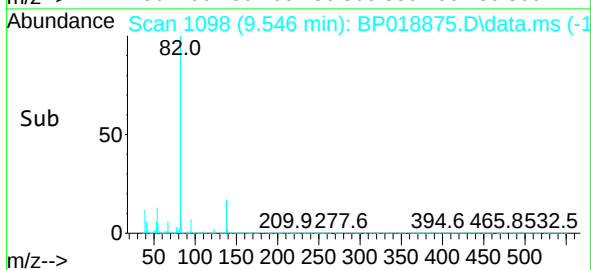
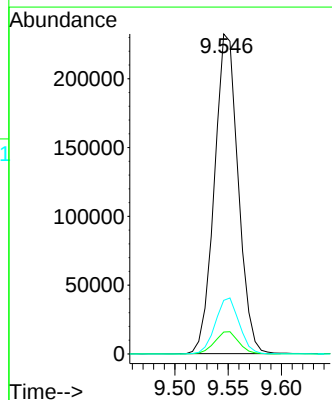
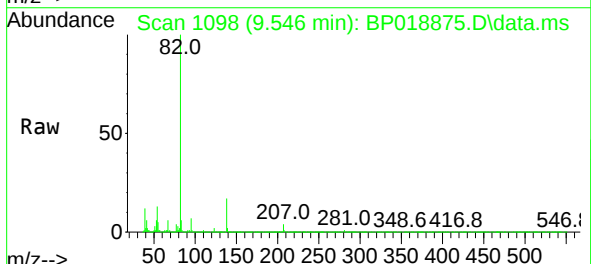
Instrument :  
BNA\_P  
ClientSampleId :  
DCLD9DL

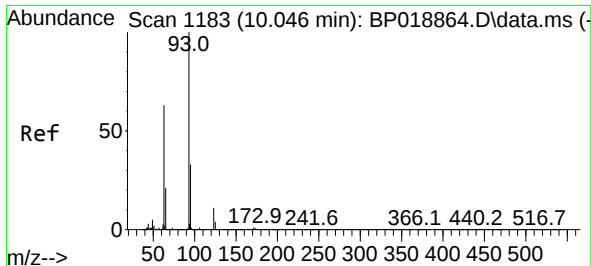
Tgt Ion: 77 Resp: 200787  
Ion Ratio Lower Upper  
77 100  
123 46.2 35.8 53.8  
65 12.3 10.5 15.7



#23  
Isophorone  
Concen: 9.378 ng/ul  
RT: 9.546 min Scan# 1098  
Delta R.T. -0.017 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

Tgt Ion: 82 Resp: 360488  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.5 8.3  
138 16.7 13.5 20.3





#27

Bis(2-Chloroethoxy)methane

Concen: 32.386 ng/ul

RT: 10.040 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

Instrument :

BNA\_P

ClientSampleId :

DCLD9DL

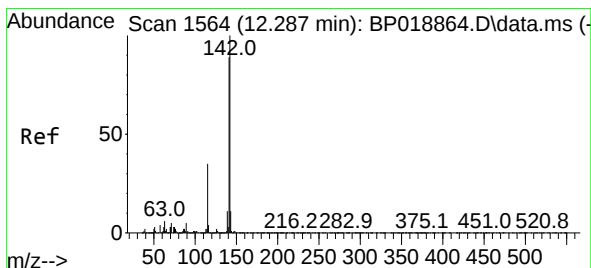
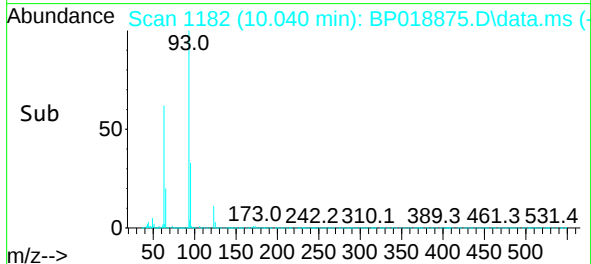
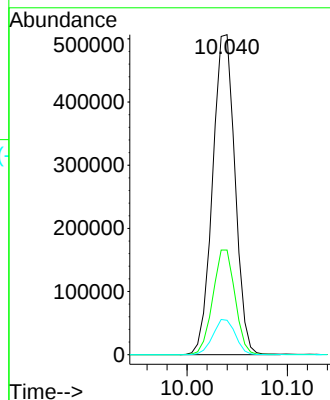
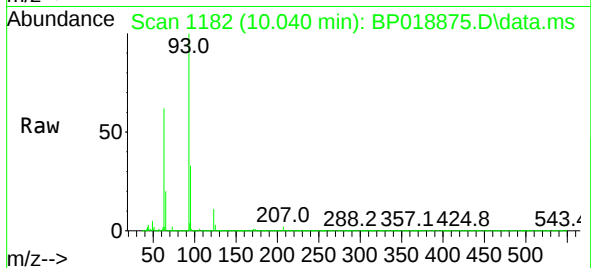
Tgt Ion: 93 Resp: 785916

Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 10.8 8.9 13.3



#36

2-Methylnaphthalene

Concen: 23.570 ng/ul

RT: 12.281 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BP018875.D

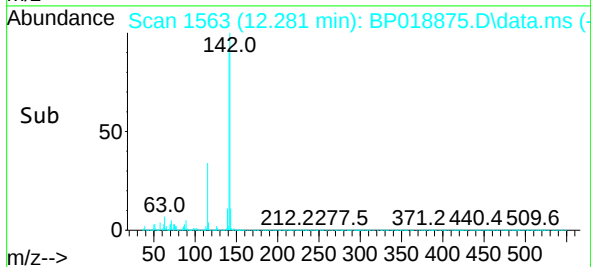
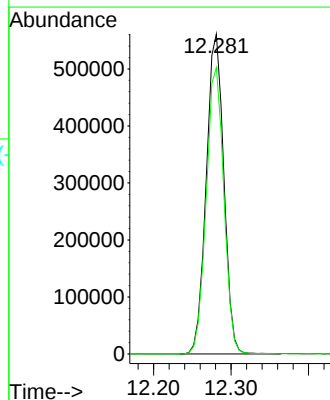
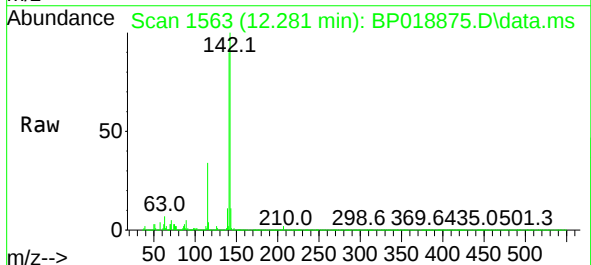
Acq: 15 Dec 2023 10:48

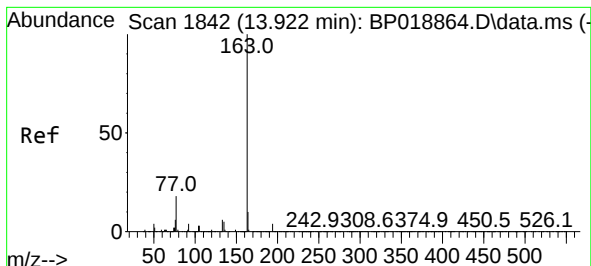
Tgt Ion:142 Resp: 882493

Ion Ratio Lower Upper

142 100

141 89.5 71.4 107.0





#47

Dimethylphthalate

Concen: 66.275 ng/ul

RT: 13.922 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

Instrument :

BNA\_P

ClientSampleId :

DCLD9DL

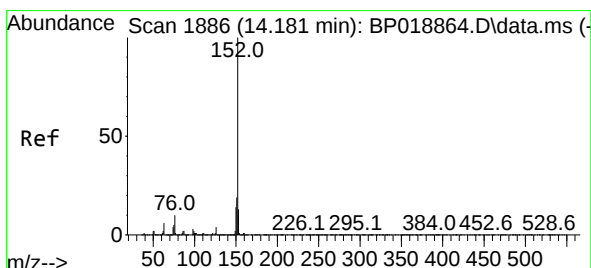
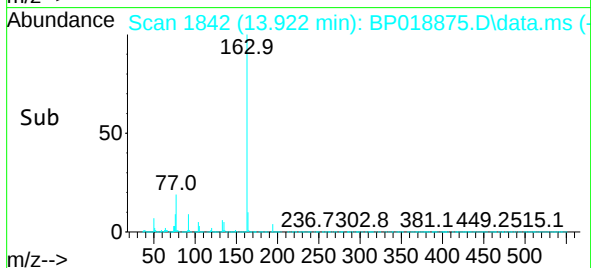
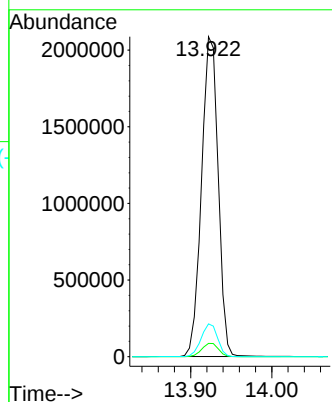
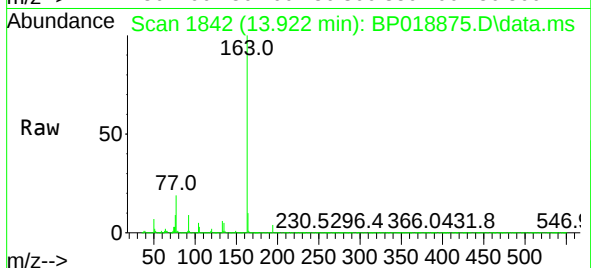
Tgt Ion:163 Resp: 2966589

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.2 8.0 12.0



#50

Acenaphthylene

Concen: 8.927 ng/ul

RT: 14.181 min Scan# 1886

Delta R.T. -0.006 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

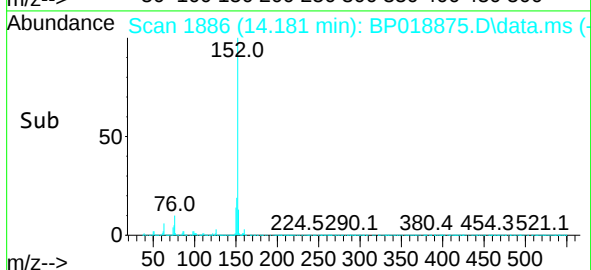
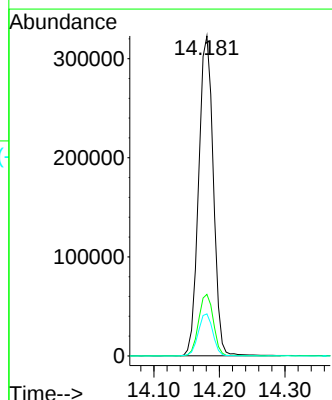
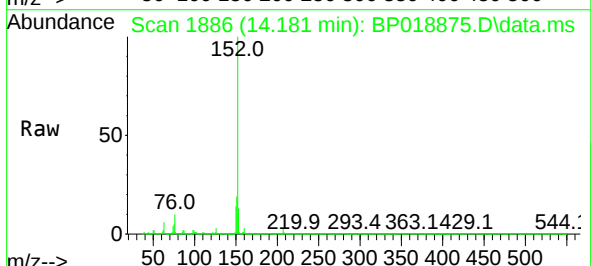
Tgt Ion:152 Resp: 502565

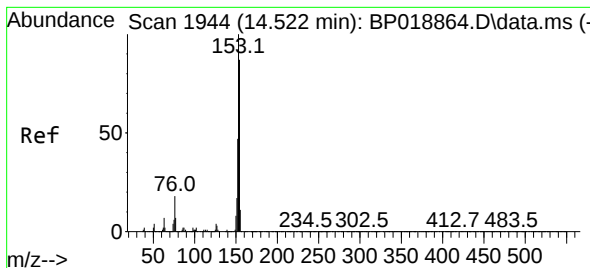
Ion Ratio Lower Upper

152 100

151 19.2 15.9 23.9

153 13.2 10.6 16.0





#52

Acenaphthene

Concen: 19.468 ng/ul

RT: 14.522 min Scan# 1944

Delta R.T. -0.006 min

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DCLD9DL

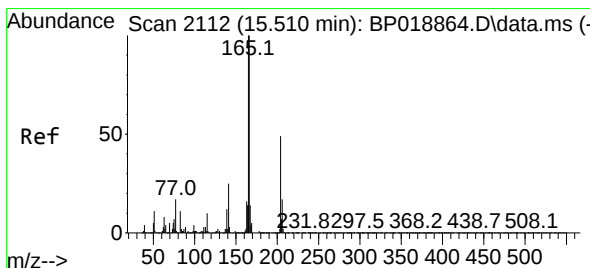
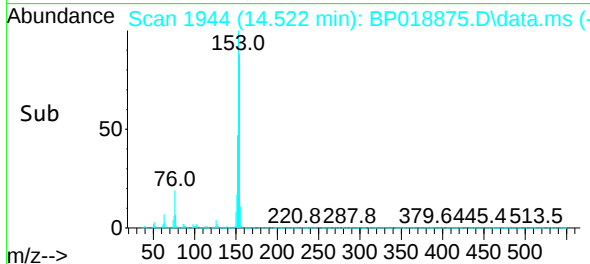
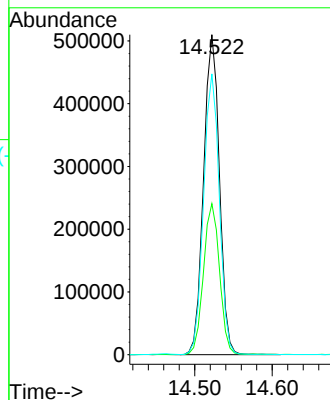
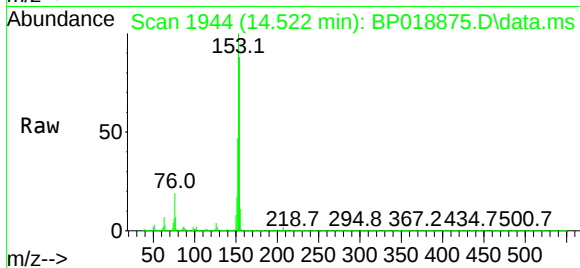
Tgt Ion:153 Resp: 724638

Ion Ratio Lower Upper

153 100

152 47.2 38.1 57.1

154 87.7 71.7 107.5



#61

Fluorene

Concen: 21.650 ng/ul

RT: 15.510 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

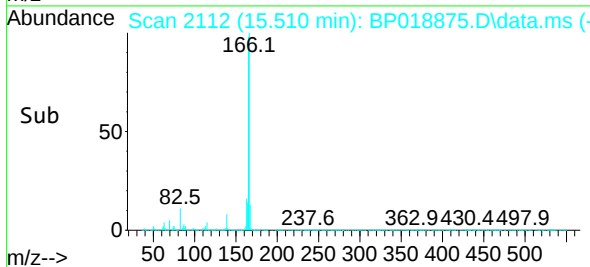
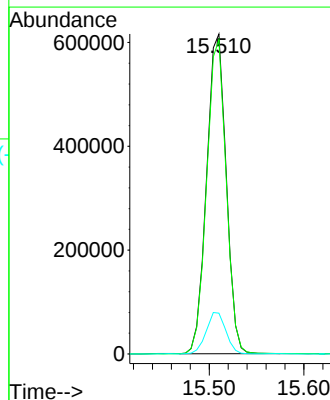
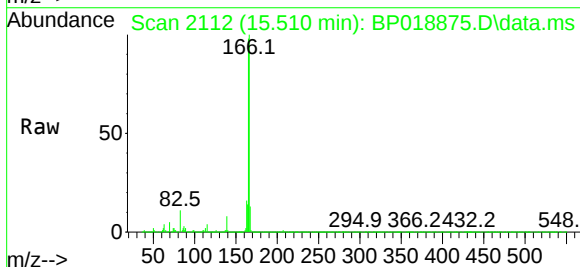
Tgt Ion:166 Resp: 886249

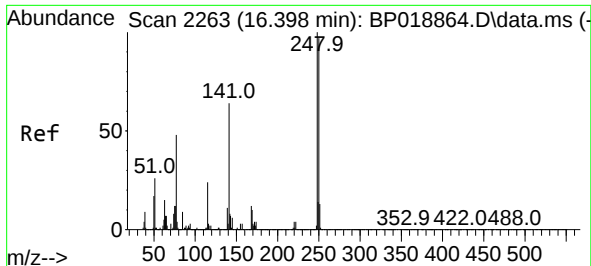
Ion Ratio Lower Upper

166 100

165 98.2 78.0 117.0

167 12.7 10.8 16.2

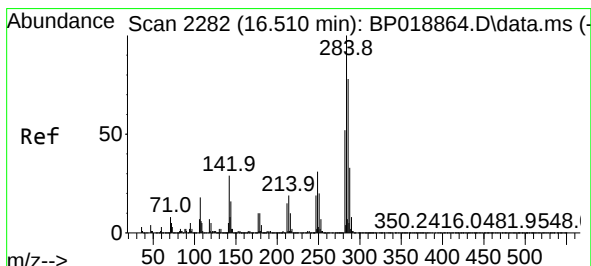
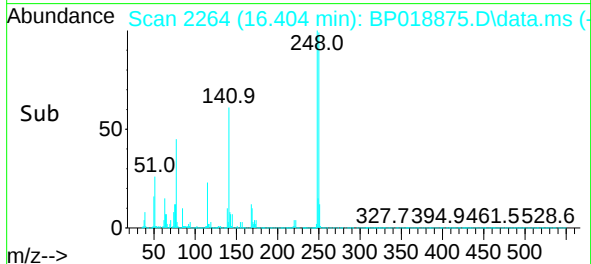
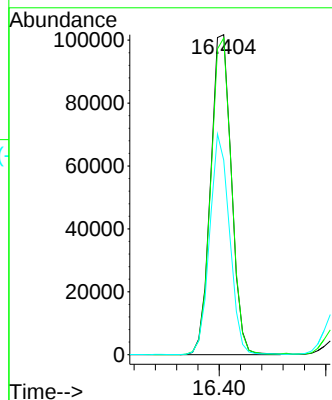
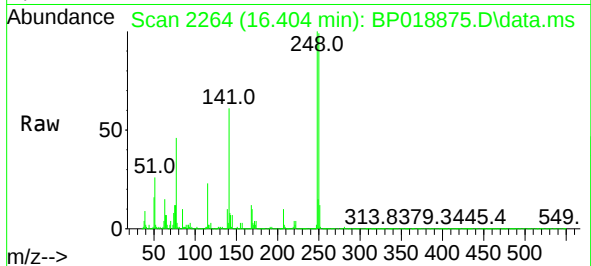




#68  
4-Bromophenyl-phenylether  
Concen: 9.419 ng/ul  
RT: 16.404 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

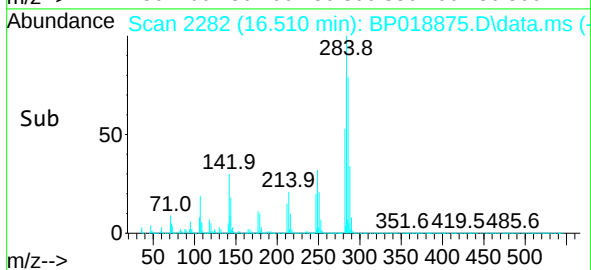
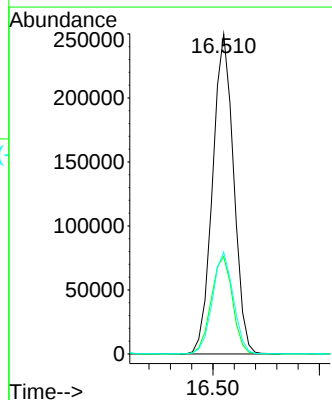
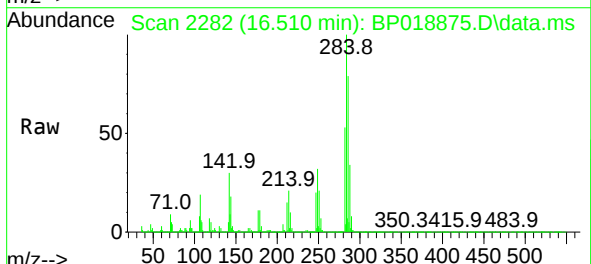
Instrument :  
BNA\_P  
ClientSampleId :  
DCLD9DL

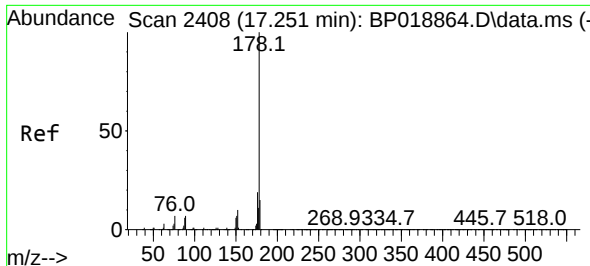
Tgt Ion:248 Resp: 137663  
Ion Ratio Lower Upper  
248 100  
250 98.9 79.3 118.9  
141 60.8 57.2 85.8



#69  
Hexachlorobenzene  
Concen: 20.979 ng/ul  
RT: 16.510 min Scan# 2282  
Delta R.T. -0.006 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

Tgt Ion:284 Resp: 342338  
Ion Ratio Lower Upper  
284 100  
142 30.4 25.8 38.6  
249 31.9 24.9 37.3

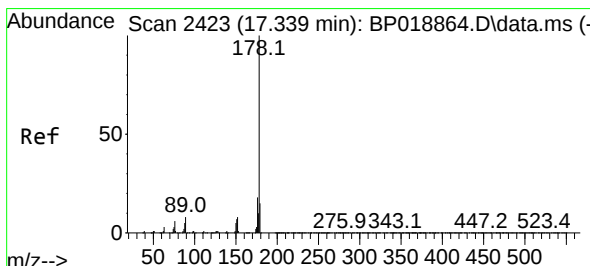
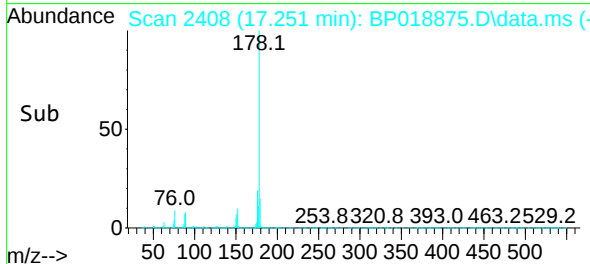
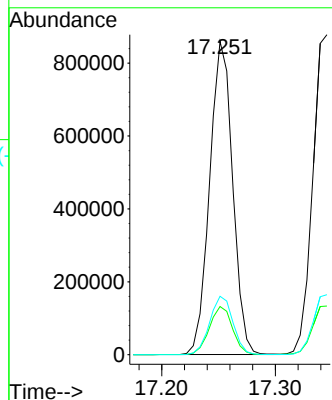
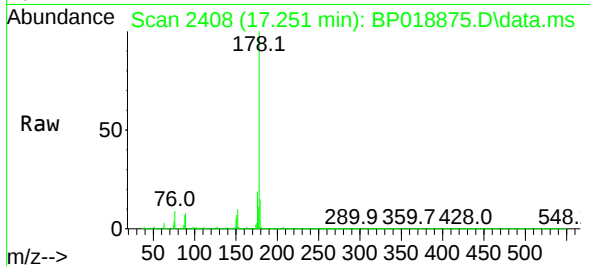




#72  
Phenanthrene  
Concen: 17.296 ng/ul  
RT: 17.251 min Scan# 2408  
Delta R.T. -0.006 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

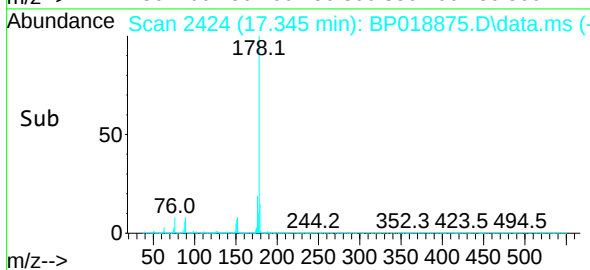
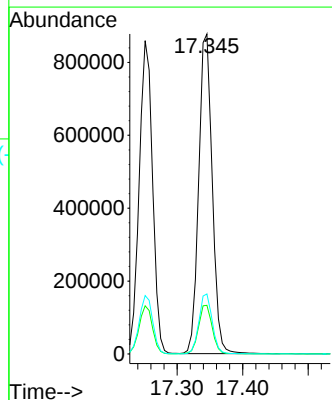
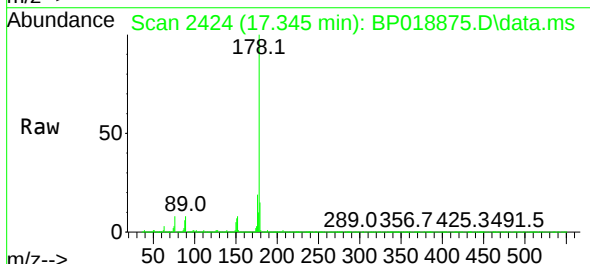
Instrument :  
BNA\_P  
ClientSampleId :  
DCLD9DL

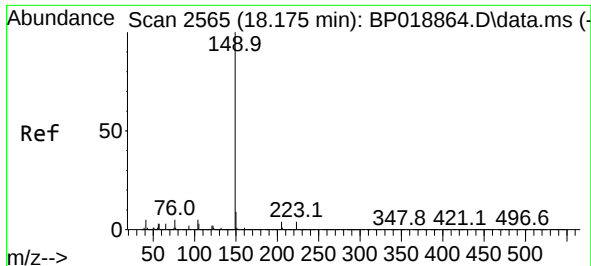
Tgt Ion:178 Resp: 1209313  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.3 18.5  
176 18.6 15.4 23.2



#74  
Anthracene  
Concen: 18.006 ng/ul  
RT: 17.345 min Scan# 2424  
Delta R.T. 0.000 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

Tgt Ion:178 Resp: 1261956  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.5 18.7  
176 18.8 15.0 22.6

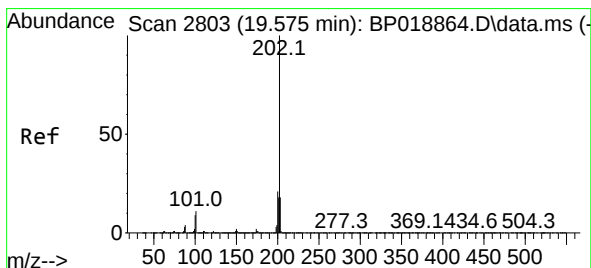
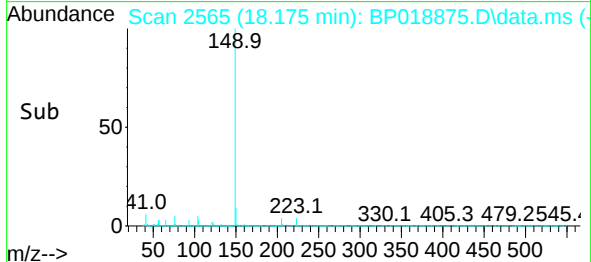
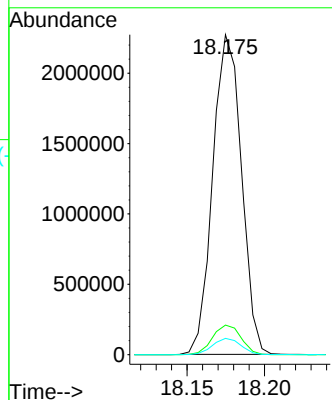
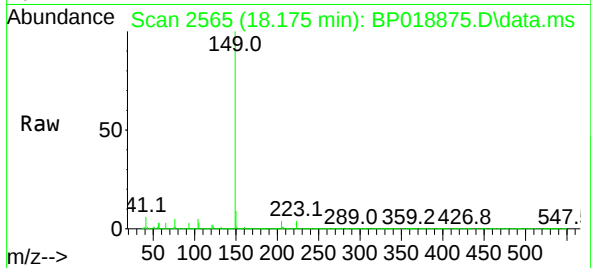




#78  
Di-n-butylphthalate  
Concen: 39.335 ng/ul  
RT: 18.175 min Scan# 2565  
Delta R.T. -0.006 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

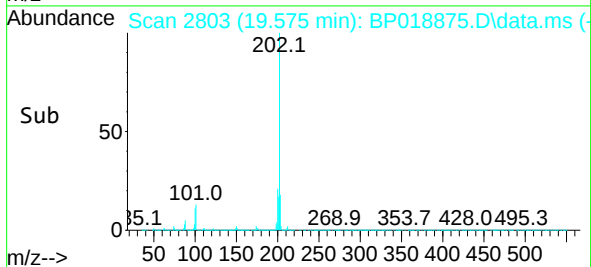
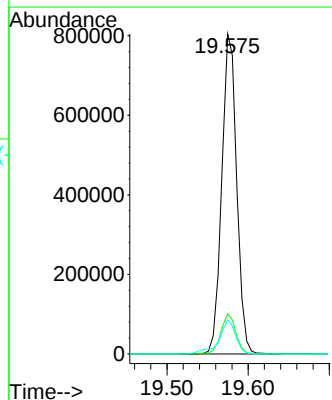
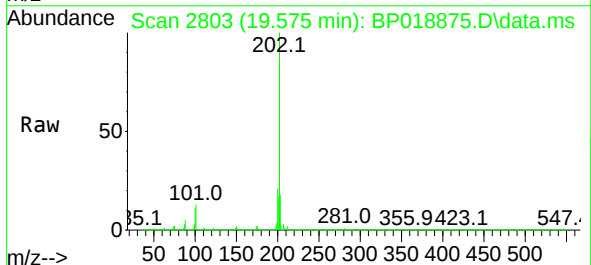
Instrument :  
BNA\_P  
ClientSampleId :  
DCLD9DL

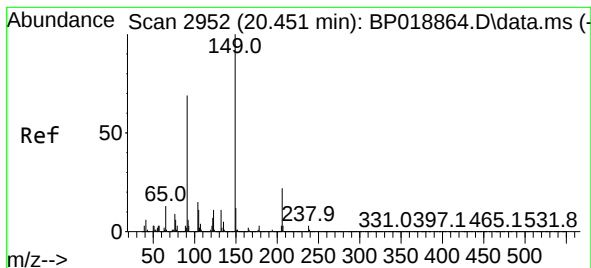
Tgt Ion:149 Resp: 2925605  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.4 11.2  
104 5.1 3.9 5.9



#82  
Pyrene  
Concen: 8.587 ng/ul  
RT: 19.575 min Scan# 2803  
Delta R.T. -0.006 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

Tgt Ion:202 Resp: 1029636  
Ion Ratio Lower Upper  
202 100  
101 12.6 11.0 16.4  
100 10.7 9.1 13.7





#83

Butylbenzylphthalate

Concen: 29.693 ng/ul

RT: 20.457 min Scan# 2952

Delta R.T. 0.000 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

Instrument :

BNA\_P

ClientSampleId :

DCLD9DL

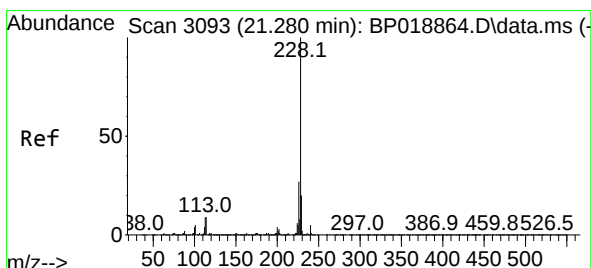
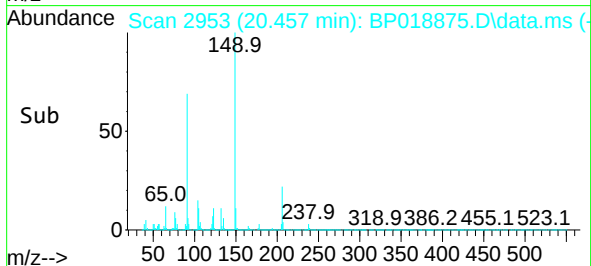
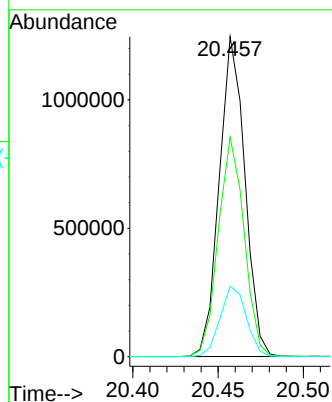
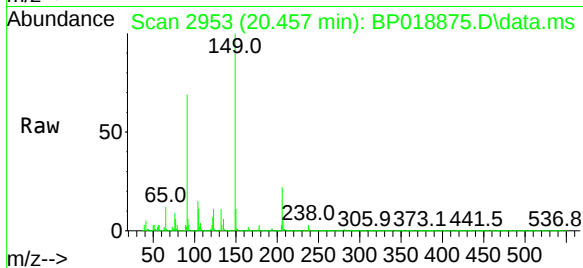
Tgt Ion:149 Resp: 1303477

Ion Ratio Lower Upper

149 100

91 68.6 56.6 85.0

206 22.1 17.4 26.0



#85

Benzo(a)anthracene

Concen: 8.328 ng/ul

RT: 21.286 min Scan# 3094

Delta R.T. 0.000 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

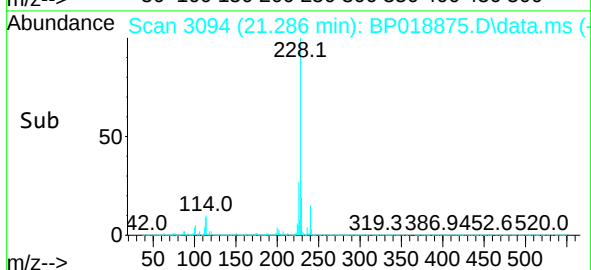
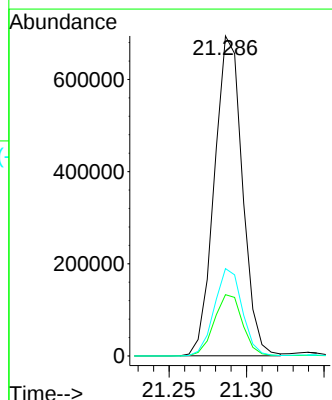
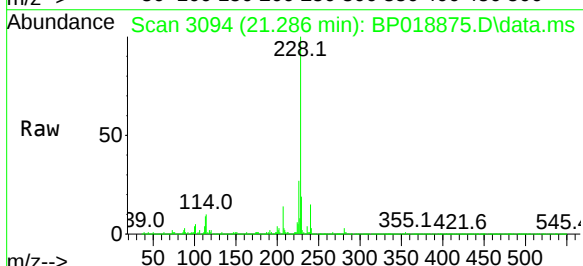
Tgt Ion:228 Resp: 873198

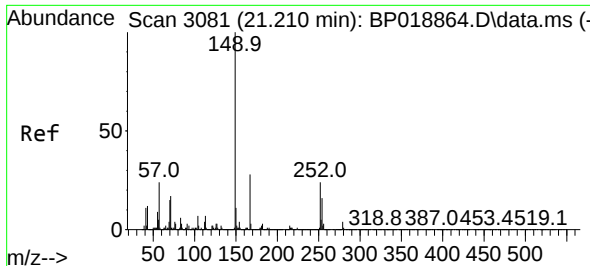
Ion Ratio Lower Upper

228 100

229 19.1 15.7 23.5

226 27.3 21.9 32.9

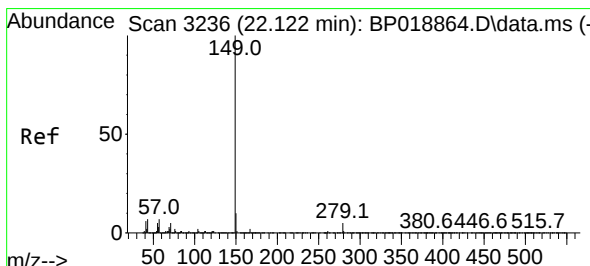
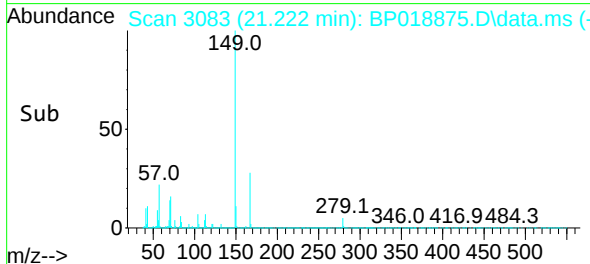
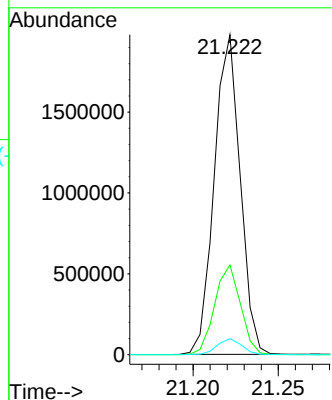
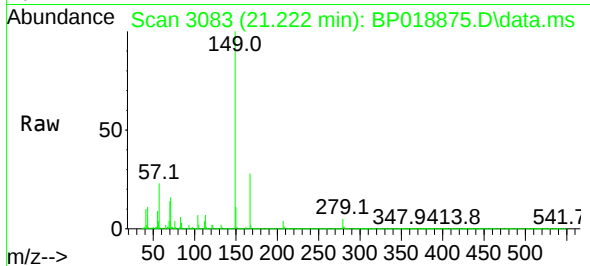




#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 34.627 ng/ul  
 RT: 21.222 min Scan# 3083  
 Delta R.T. 0.006 min  
 Lab File: BP018875.D  
 Acq: 15 Dec 2023 10:48

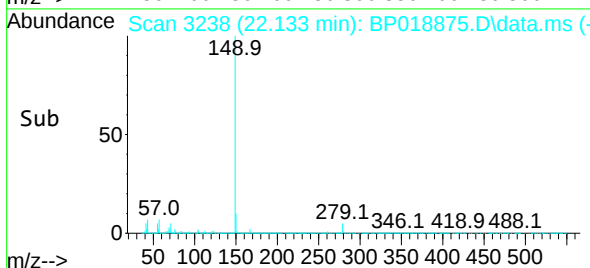
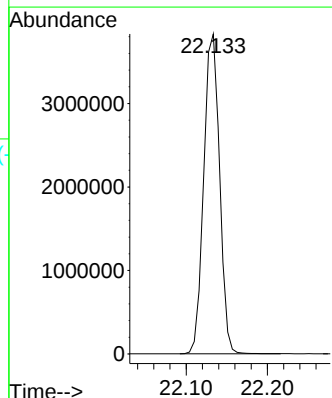
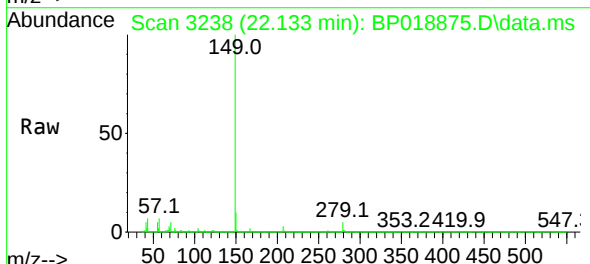
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCLD9DL

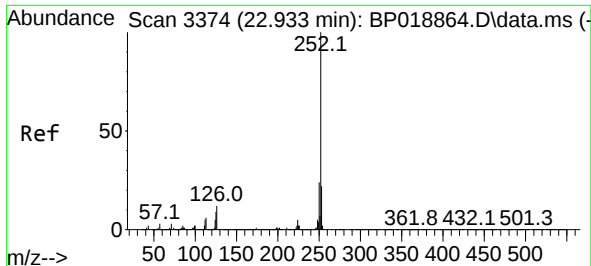
Tgt Ion:149 Resp: 2089238  
 Ion Ratio Lower Upper  
 149 100  
 167 28.1 22.2 33.2  
 279 5.0 3.3 4.9#



#89  
 Di-n-octyl phthalate  
 Concen: 46.983 ng/ul  
 RT: 22.133 min Scan# 3238  
 Delta R.T. 0.006 min  
 Lab File: BP018875.D  
 Acq: 15 Dec 2023 10:48

Tgt Ion:149 Resp: 5199796

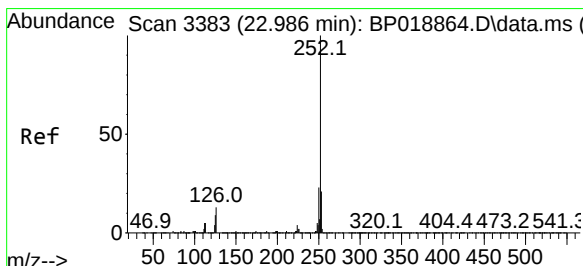
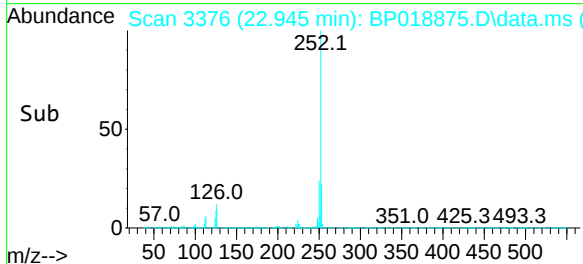
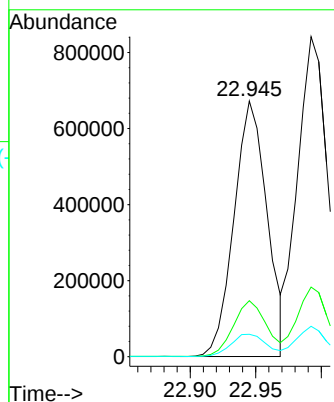
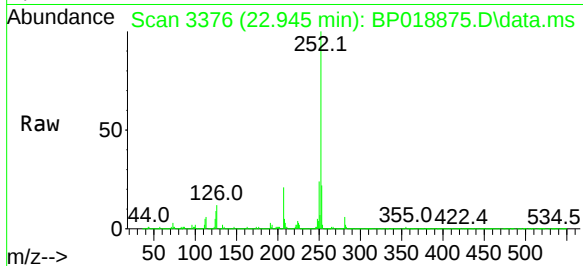




#90  
Benzo(b)fluoranthene  
Concen: 10.531 ng/ul  
RT: 22.945 min Scan# 3376  
Delta R.T. 0.000 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

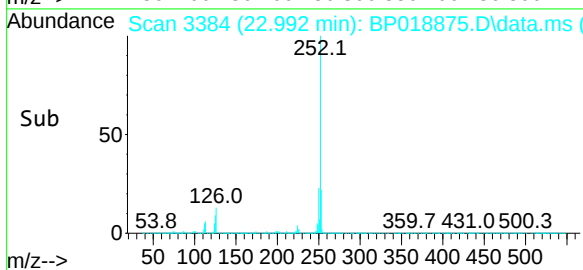
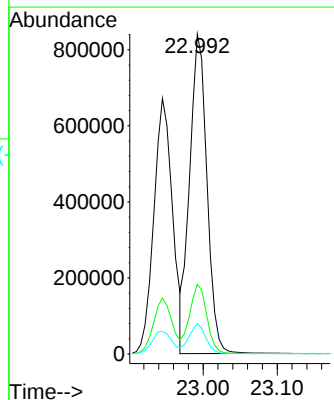
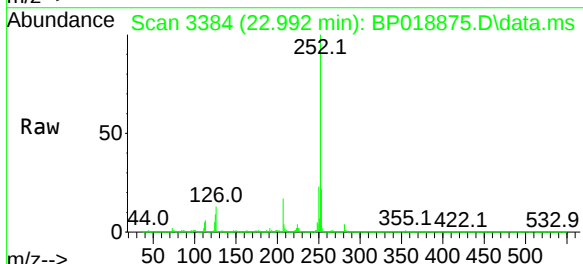
Instrument :  
BNA\_P  
ClientSampleId :  
DCLD9DL

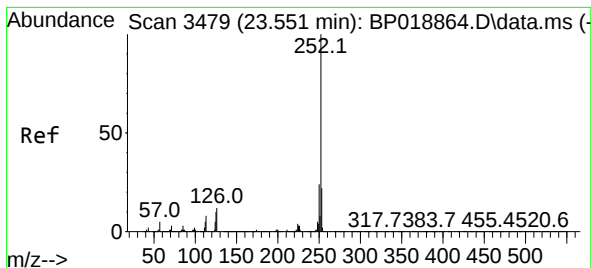
Tgt Ion:252 Resp: 1176967  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.3 25.9  
125 8.7 7.8 11.6



#91  
Benzo(k)fluoranthene  
Concen: 12.600 ng/ul  
RT: 22.992 min Scan# 3384  
Delta R.T. 0.000 min  
Lab File: BP018875.D  
Acq: 15 Dec 2023 10:48

Tgt Ion:252 Resp: 1362558  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.7 26.5  
125 9.5 8.0 12.0





#93

Benzo(a)pyrene

Concen: 5.021 ng/ul

RT: 23.563 min Scan# 3479

Delta R.T. 0.000 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

Instrument :

BNA\_P

ClientSampleId :

DCLD9DL

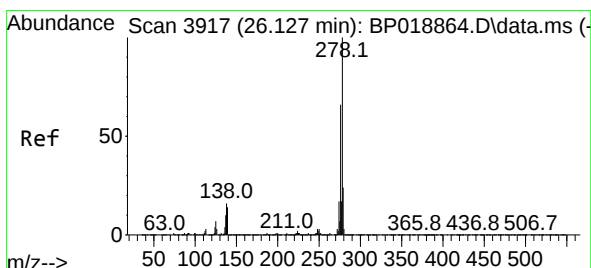
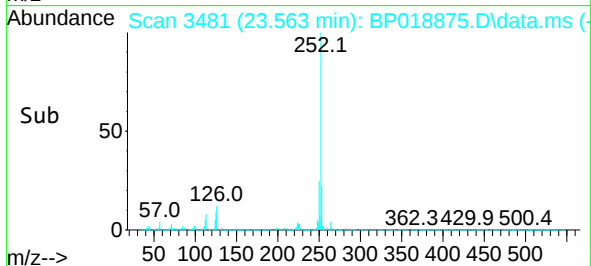
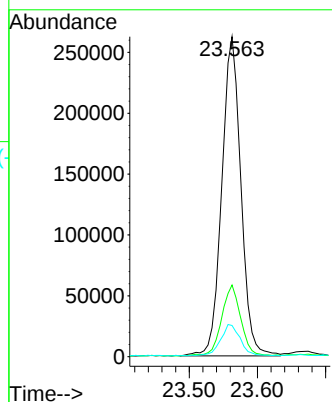
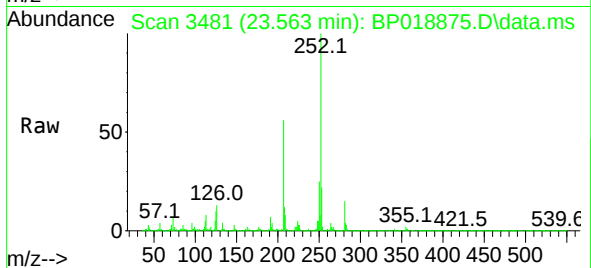
Tgt Ion:252 Resp: 512795

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 9.8 9.2 13.8



#95

Dibenzo(a,h)anthracene

Concen: 17.848 ng/ul

RT: 26.139 min Scan# 3919

Delta R.T. 0.000 min

Lab File: BP018875.D

Acq: 15 Dec 2023 10:48

Tgt Ion:278 Resp: 1811511

Ion Ratio Lower Upper

278 100

139 14.2 13.0 19.6

279 24.6 18.7 28.1

