

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100224\  
 Data File : BP022178.D  
 Acq On : 03 Oct 2024 02:18  
 Operator : RC/JU  
 Sample : P4017-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/04/2024  
 Supervised By :mohammad ahmed 10/05/2024

Quant Time: Oct 03 07:45:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|--------|----------|
| -----                         |        |      |           |          |        |          |
| Internal Standards            |        |      |           |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.705  | 152  | 163094    | 20.000   | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.463 | 136  | 603184    | 20.000   | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.310 | 164  | 448465    | 20.000   | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.145 | 188  | 967662    | 20.000   | ng/ul  | 0.03     |
| 79) Chrysene-d12              | 21.533 | 240  | 965864    | 20.000   | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.809 | 264  | 1212670   | 20.000   | ng/ul  | -0.01    |
|                               |        |      |           |          |        |          |
| System Monitoring Compounds   |        |      |           |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.222  | 96   | 14583     | 3.502    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 177806    | 14.939   | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.899  | 99   | 347747    | 26.066   | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.040  | 67   | 197717    | 24.068   | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.252  | 132  | 248797    | 25.775   | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.410  | 113  | 247390    | 23.401   | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 123067    | 27.260   | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.551  | 143  | 142461    | 27.831   | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.104 | 165  | 290689    | 26.149   | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.575 | 131  | 171416    | 12.924   | ng/ul  | -0.03    |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 906502    | 26.149   | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.998 | 160  | 989955    | 26.972   | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 163314    | 27.541   | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.328 | 176  | 792767    | 25.853   | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 200  | 123562    | 20.567   | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.233 | 188  | 1233479   | 27.305   | ng/ul  | 0.02     |
| 81) Pyrene-d10                | 19.598 | 212  | 1493701   | 29.850   | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.604 | 264  | 1703601   | 26.710   | ng/ul  | 0.00     |
|                               |        |      |           |          |        |          |
| Target Compounds              |        |      |           |          |        |          |
|                               |        |      |           |          | Qvalue |          |
| 23) Isophorone                | 9.410  | 82   | 281431    | 11.771   | ng/ul# | 69       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 20708     | 1.875    | ng/ul# | 88       |
| 30) Naphthalene               | 10.510 | 128  | 805352    | 25.375   | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.116 | 142  | 1542153   | 65.384   | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.340 | 142  | 919595    | 38.659   | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.734 | 196  | 43838     | 4.410    | ng/ul  | 96       |
| 42) 2,4,5-Trichlorophenol     | 12.810 | 196  | 14123     | 1.312    | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.128 | 154  | 170130    | 5.305    | ng/ul# | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.981 | 232  | 6043588   | 583.301  | ng/ul  | 96       |
| 61) Fluorene                  | 15.386 | 166  | 149059    | 4.335    | ng/ul# | 86       |
| 71) Pentachlorophenol         | 16.822 | 266  | 35205091m | 3739.611 | ng/ul  |          |
| 72) Phenanthrene              | 17.180 | 178  | 713519    | 14.063   | ng/ul# | 95       |
| 80) Fluoranthene              | 19.251 | 202  | 61039     | 1.067    | ng/ul# | 66       |
| 82) Pyrene                    | 19.622 | 202  | 89896     | 1.460    | ng/ul# | 75       |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149  | 103091    | 3.275    | ng/ul# | 89       |
| -----                         |        |      |           |          |        |          |

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

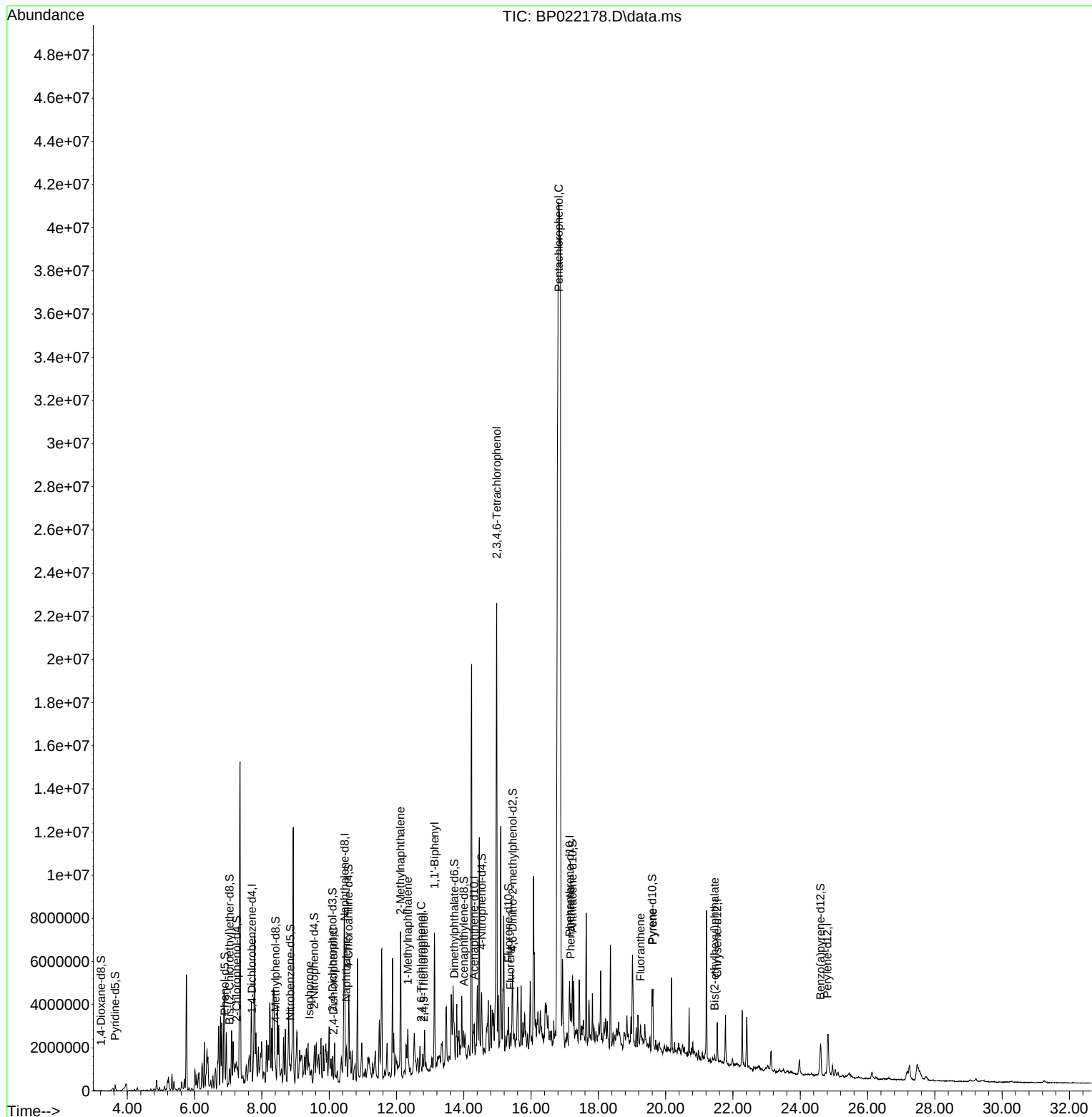
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100224\  
Data File : BP022178.D  
Acq On : 03 Oct 2024 02:18  
Operator : RC/JU  
Sample : P4017-07  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

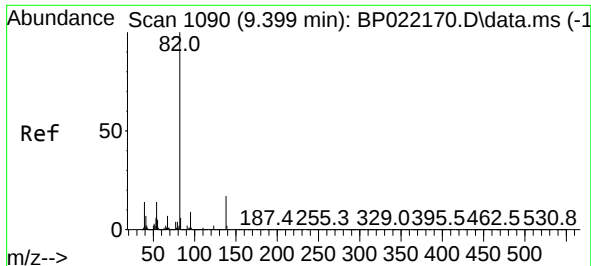
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024

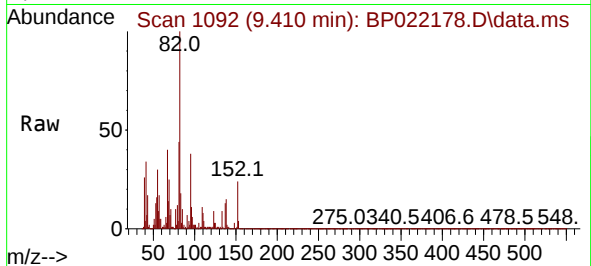
Quant Time: Oct 03 07:45:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration





#23  
Isophorone  
Concen: 11.771 ng/ul  
RT: 9.410 min Scan# 1092  
Delta R.T. 0.000 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

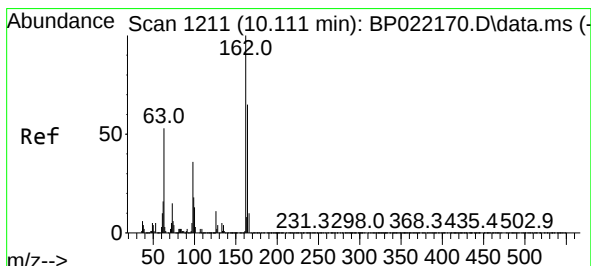
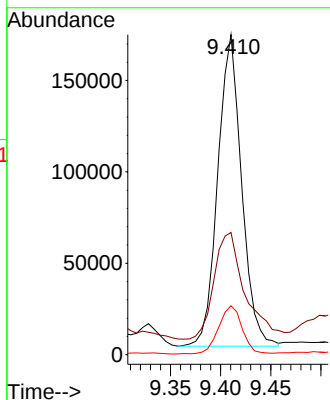
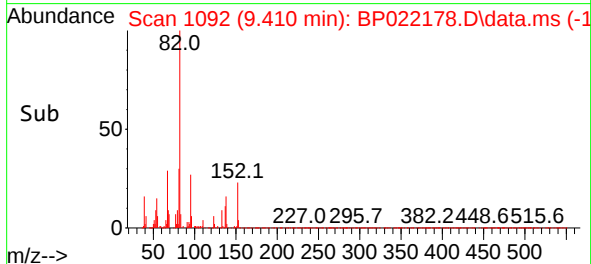
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70



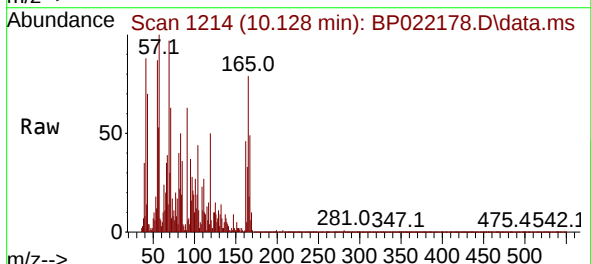
Tgt Ion: 82 Resp: 28143  
Ion Ratio Lower Upper  
82 100  
95 38.2 7.0 10.4  
138 15.3 11.9 17.9

Manual Integrations  
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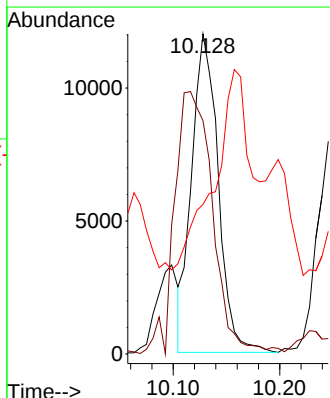
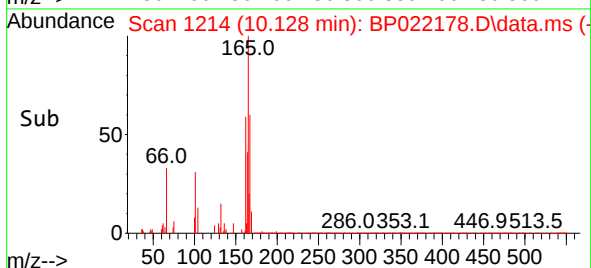
Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024

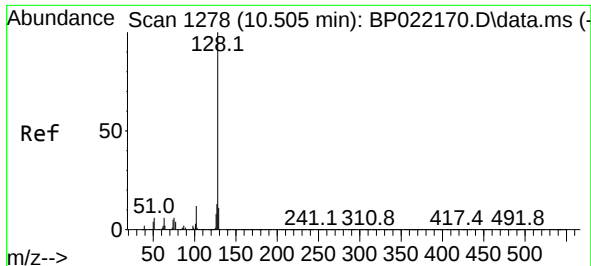


#29  
2,4-Dichlorophenol  
Concen: 1.875 ng/ul  
RT: 10.128 min Scan# 1214  
Delta R.T. 0.006 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18



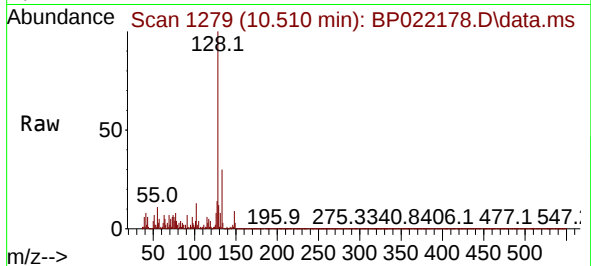
Tgt Ion:162 Resp: 20708  
Ion Ratio Lower Upper  
162 100  
164 72.9 52.4 78.6  
98 46.8 29.8 44.8





#30  
Naphthalene  
Concen: 25.375 ng/ul  
RT: 10.510 min Scan# 1278  
Delta R.T. -0.012 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

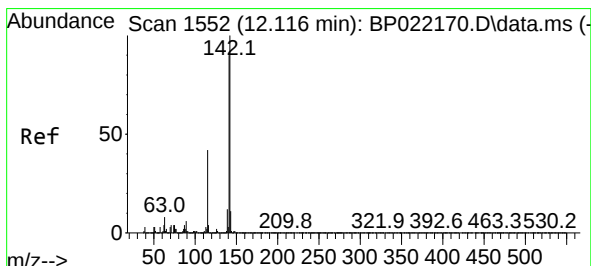
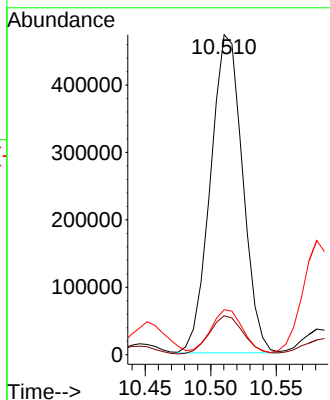
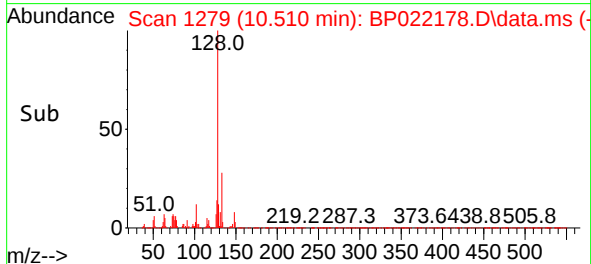
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70



Tgt Ion:128 Resp: 805352  
Ion Ratio Lower Upper  
128 100  
129 12.2 8.9 13.3  
127 14.1 10.9 16.3

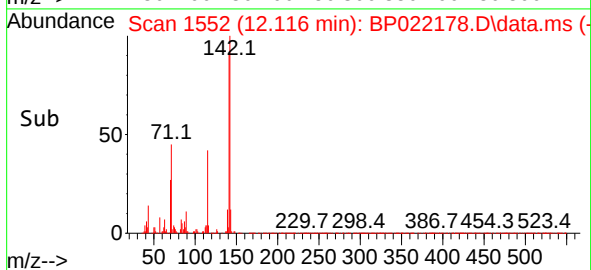
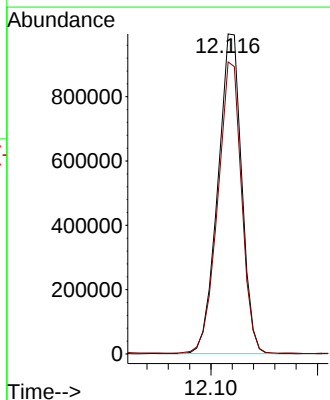
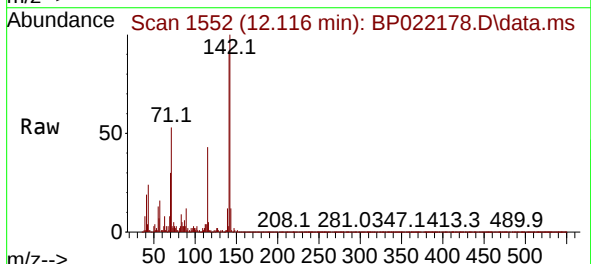
Manual Integrations  
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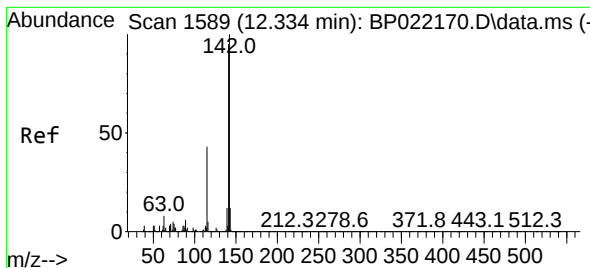
Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024



#36  
2-Methylnaphthalene  
Concen: 65.384 ng/ul  
RT: 12.116 min Scan# 1552  
Delta R.T. -0.012 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

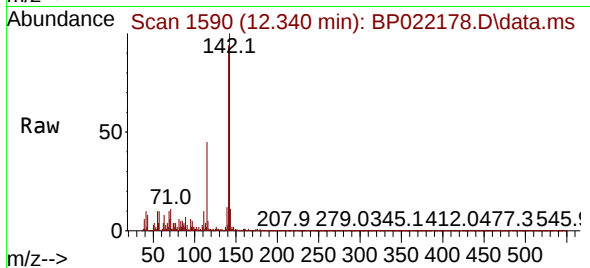
Tgt Ion:142 Resp: 1542153  
Ion Ratio Lower Upper  
142 100  
141 91.2 72.6 109.0





#37  
1-Methylnaphthalene  
Concen: 38.659 ng/ul  
RT: 12.340 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

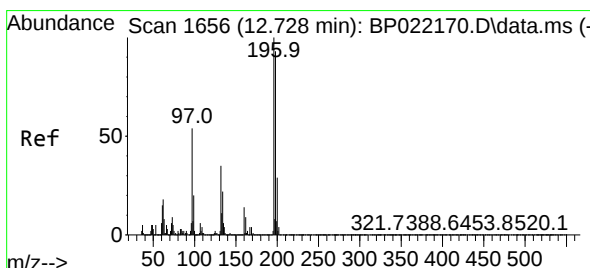
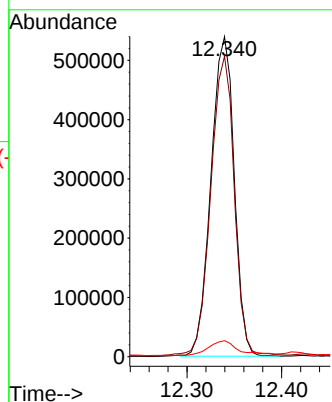
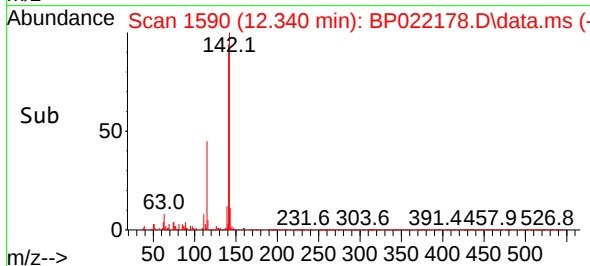
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70



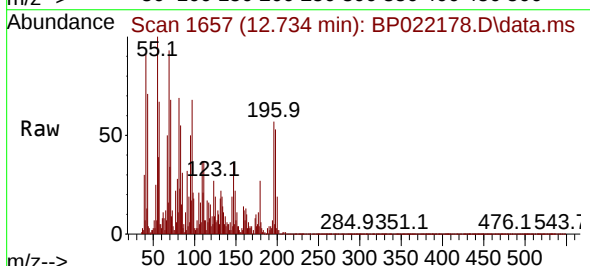
Tgt Ion:142 Resp: 91959  
Ion Ratio Lower Upper  
142 100  
141 93.9 74.6 111.8  
116 5.0 3.9 5.9

Manual Integrations  
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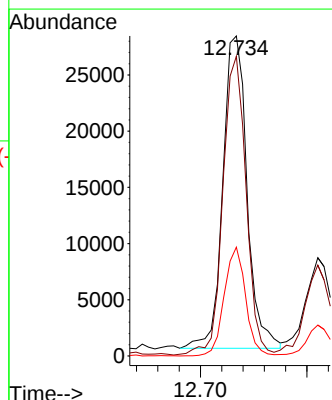
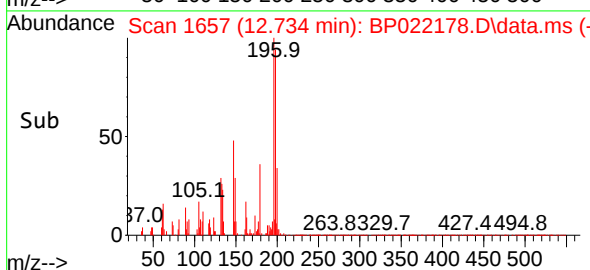
Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024

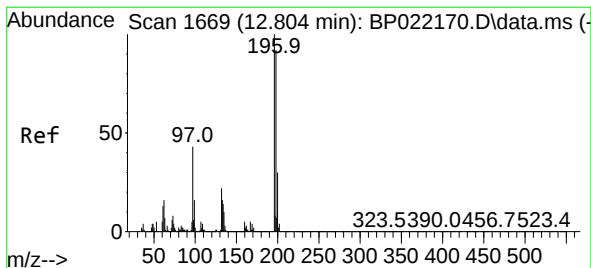


#41  
2,4,6-Trichlorophenol  
Concen: 4.410 ng/ul  
RT: 12.734 min Scan# 1657  
Delta R.T. -0.012 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18



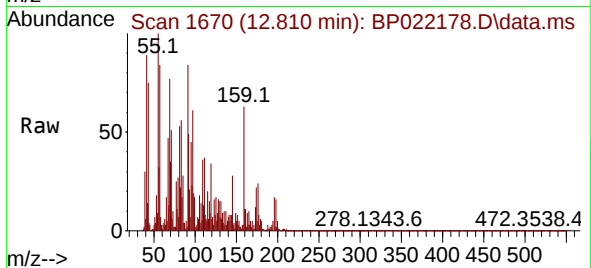
Tgt Ion:196 Resp: 43838  
Ion Ratio Lower Upper  
196 100  
198 93.6 77.6 116.4  
200 34.0 24.2 36.4





#42  
2,4,5-Trichlorophenol  
Concen: 1.312 ng/ul  
RT: 12.810 min Scan# 1670  
Delta R.T. -0.006 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

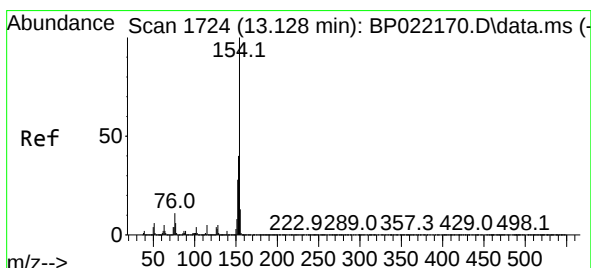
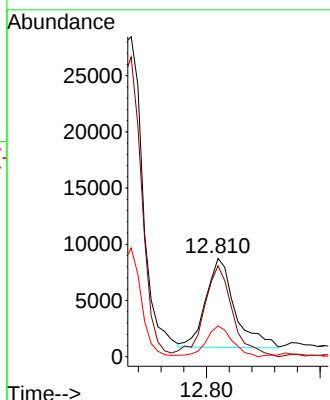
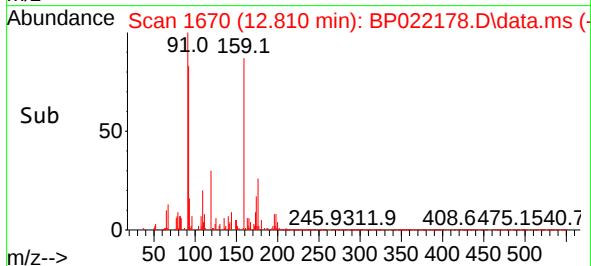
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70



Tgt Ion:196 Resp: 1412  
Ion Ratio Lower Upper  
196 100  
198 92.4 78.2 117.2  
200 31.4 26.1 39.1

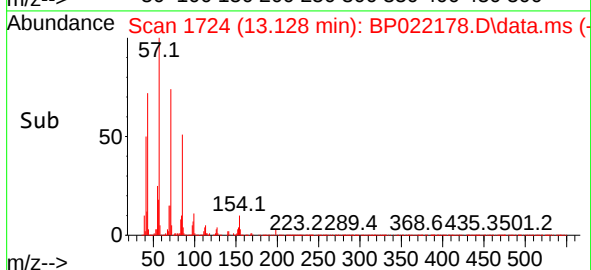
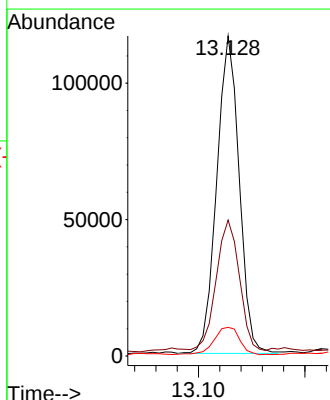
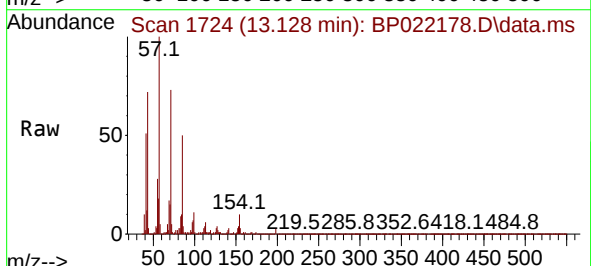
Manual Integrations  
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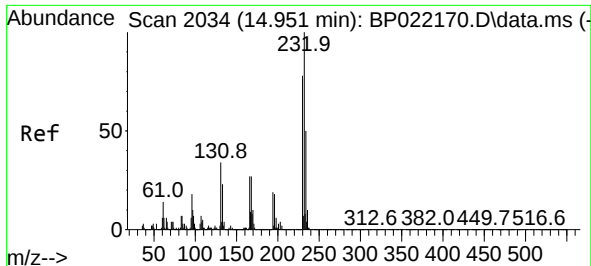
Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024



#43  
1,1'-Biphenyl  
Concen: 5.305 ng/ul  
RT: 13.128 min Scan# 1724  
Delta R.T. -0.024 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

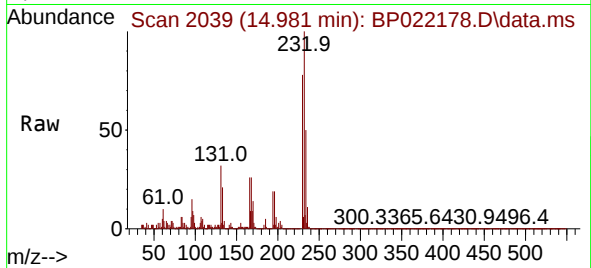
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Ion Ratio Lower Upper  
154 100  
153 42.5 32.6 49.0  
76 8.9 10.1 15.1#





#58  
2,3,4,6-Tetrachlorophenol  
Concen: 583.301 ng/ul  
RT: 14.981 min Scan# 2039  
Delta R.T. 0.018 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

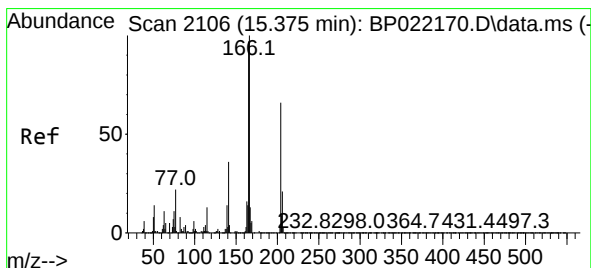
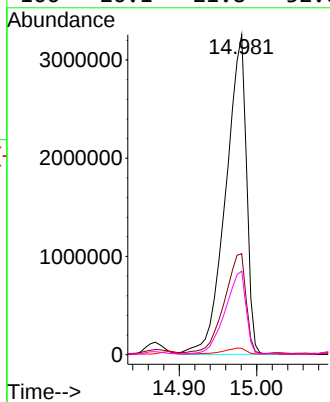
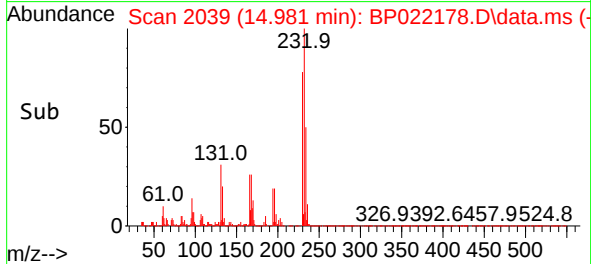
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70



Tgt Ion:232 Resp: 604358  
Ion Ratio Lower Upper  
232 100  
131 31.6 28.2 42.2  
130 2.0 1.8 2.6  
166 26.1 21.8 32.6

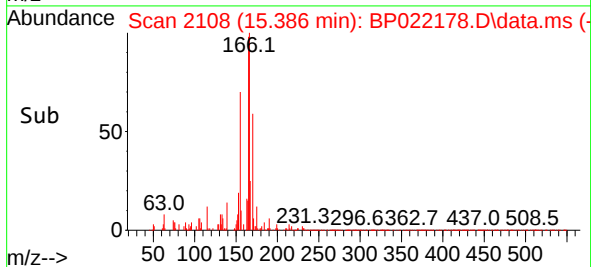
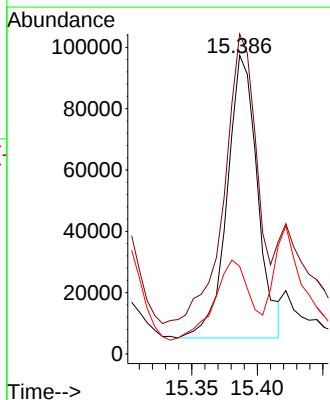
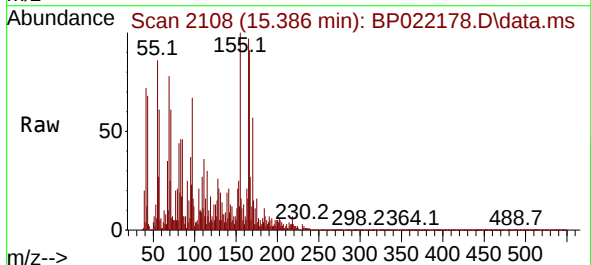
Manual Integrations  
APPROVED

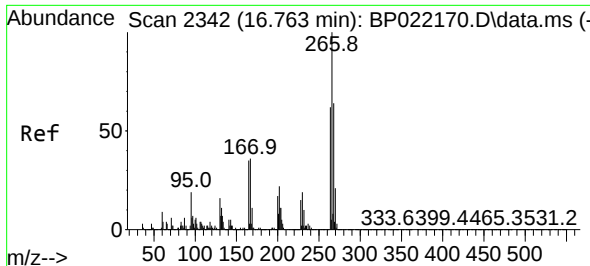
Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024



#61  
Fluorene  
Concen: 4.335 ng/ul  
RT: 15.386 min Scan# 2108  
Delta R.T. 0.006 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

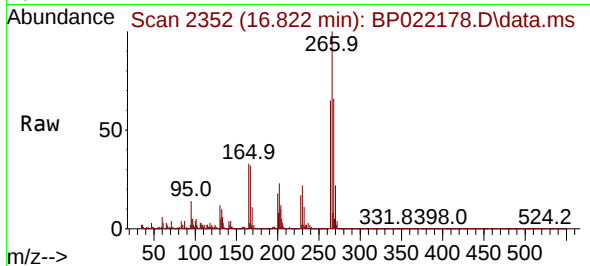
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Ion Ratio Lower Upper  
166 100  
165 107.1 77.9 116.9  
167 29.4 10.5 15.7#





#71  
Pentachlorophenol  
Concen: 3739.611 ng/ul m  
RT: 16.822 min Scan# 21  
Delta R.T. 0.065 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

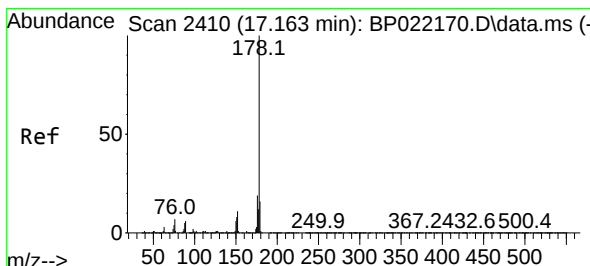
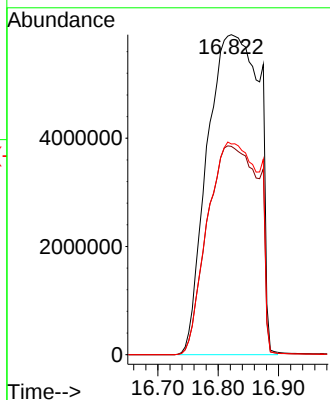
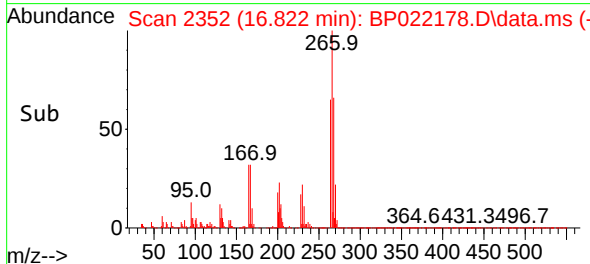
Instrument :  
BNA\_P  
ClientSampleId :  
DDC70



Tgt Ion:266 Resp:3520509  
Ion Ratio Lower Upper  
266 100  
264 65.1 50.2 75.4  
268 65.9 51.4 77.0

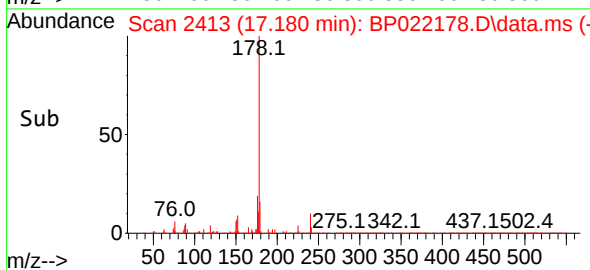
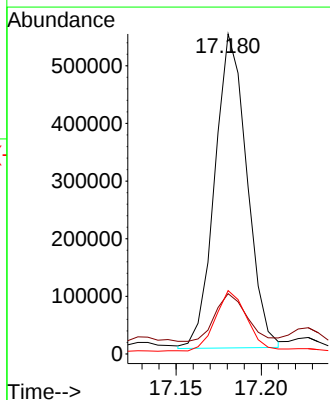
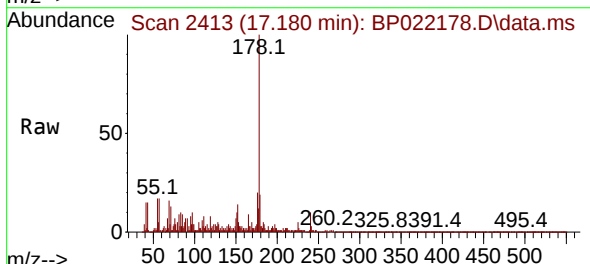
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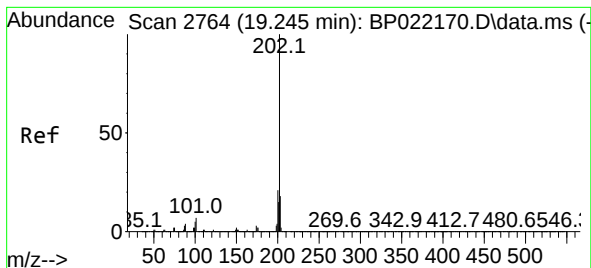
Reviewed By :Yogesh Patel 10/04/2024  
Supervised By :mohammad ahmed 10/05/2024



#72  
Phenanthrene  
Concen: 14.063 ng/ul  
RT: 17.180 min Scan# 2413  
Delta R.T. 0.024 min  
Lab File: BP022178.D  
Acq: 03 Oct 2024 02:18

Tgt Ion:178 Resp: 713519  
Ion Ratio Lower Upper  
178 100  
179 18.9 12.4 18.6#  
176 19.8 15.0 22.6





#80

Fluoranthene

Concen: 1.067 ng/ul

RT: 19.251 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP022178.D

Acq: 03 Oct 2024 02:18

Instrument :

BNA\_P

ClientSampleId :

DDC70

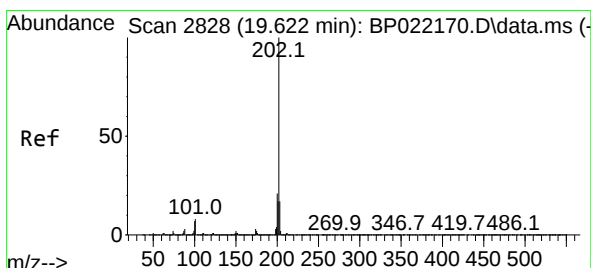
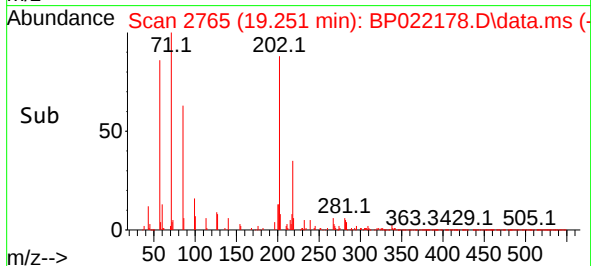
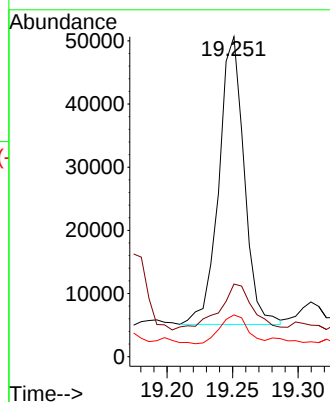
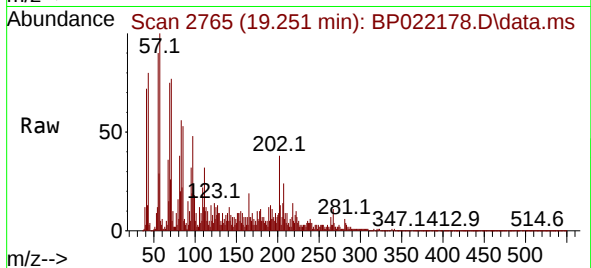
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 61039 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 22.7  | 5.8   | 8.6   |
| 100       | 13.1  | 4.6   | 7.0   |

Manual Integrations

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Reviewed By :Yogesh Patel 10/04/2024

Supervised By :mohammad ahmed 10/05/2024



#82

Pyrene

Concen: 1.460 ng/ul

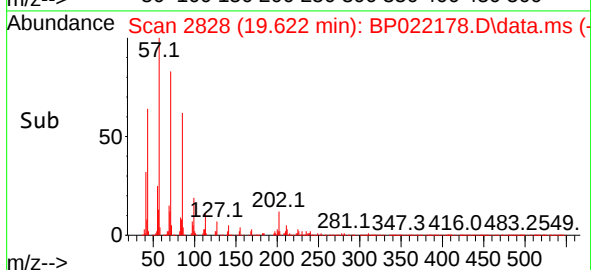
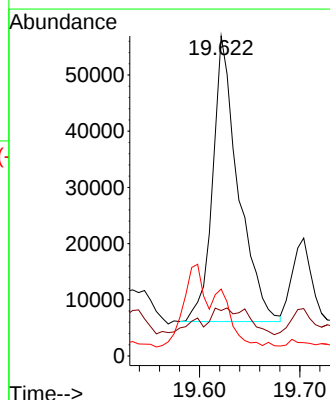
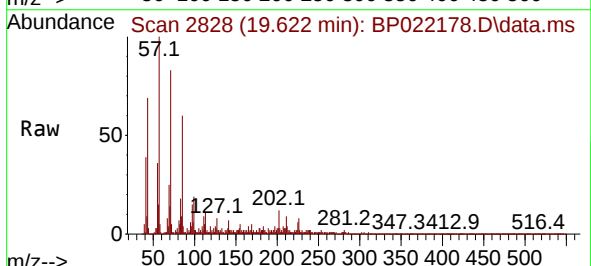
RT: 19.622 min Scan# 2828

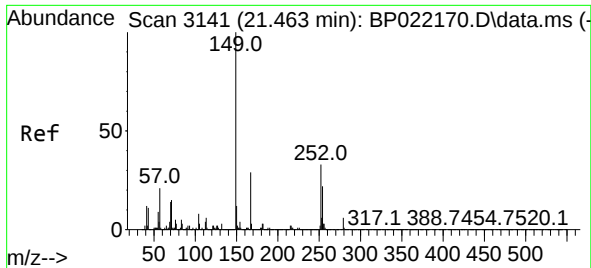
Delta R.T. 0.006 min

Lab File: BP022178.D

Acq: 03 Oct 2024 02:18

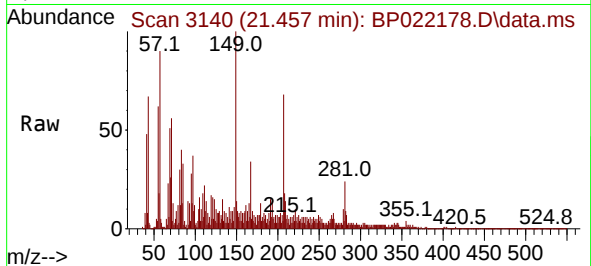
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 89896 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.2  | 7.4   | 11.0# |
| 100       | 20.9  | 6.2   | 9.2#  |





#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.275 ng/ul  
 RT: 21.457 min Scan# 3140  
 Delta R.T. -0.006 min  
 Lab File: BP022178.D  
 Acq: 03 Oct 2024 02:18

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70



Tgt Ion:149 Resp: 10309  
 Ion Ratio Lower Upper  
 149 100  
 167 34.3 23.0 34.4  
 279 9.7 4.5 6.7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/04/2024  
 Supervised By :mohammad ahmed 10/05/2024

