

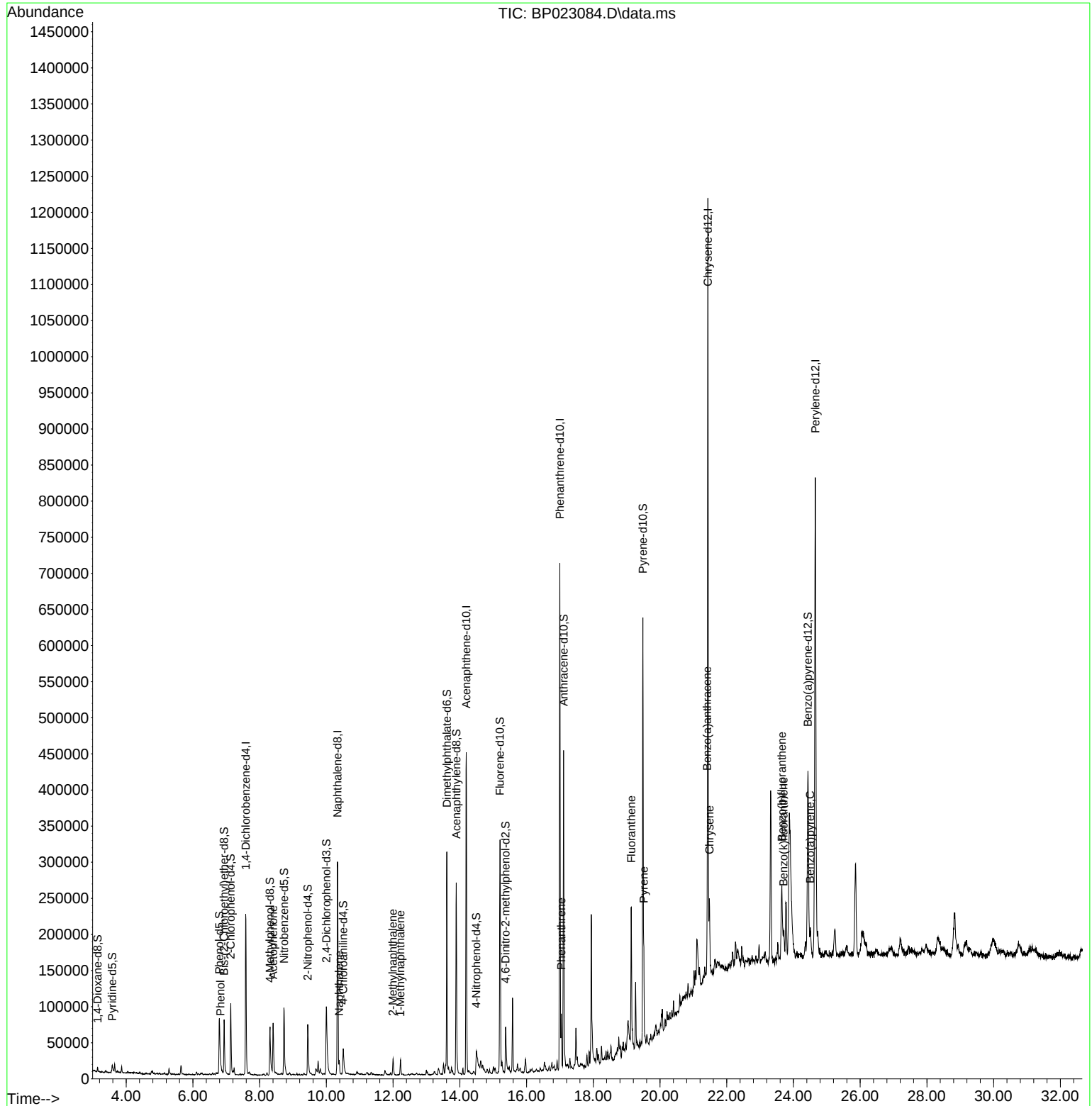
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111324\  
Data File : BP023084.D  
Acq On : 13 Nov 2024 16:52  
Operator : RC/JU  
Sample : P4724-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

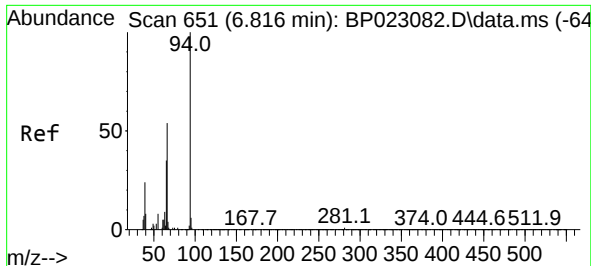
Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 14 01:50:58 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 13 04:49:01 2024  
Response via : Initial Calibration





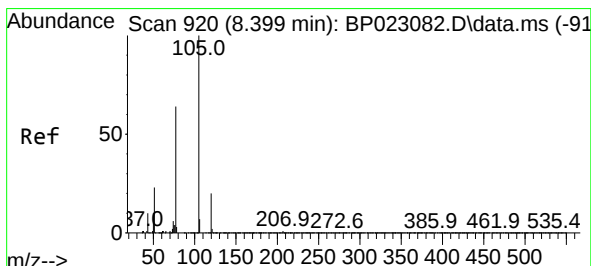
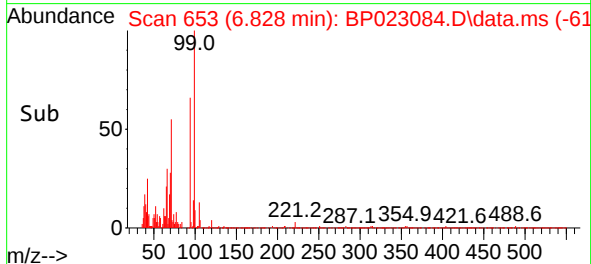
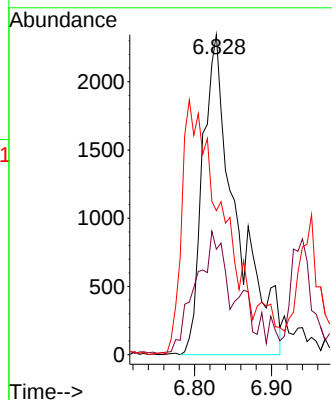
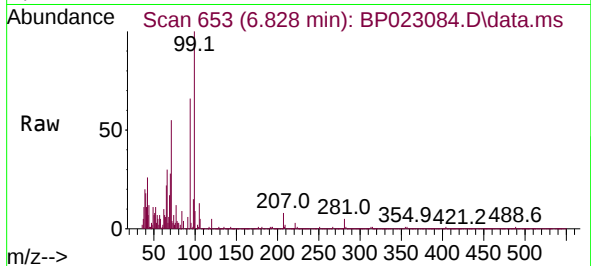
#8  
Phenol  
Concen: 1.568 ng/ul m  
RT: 6.828 min Scan# 61  
Delta R.T. 0.018 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8

Tgt Ion: 94 Resp: 7110  
Ion Ratio Lower Upper  
94 100  
65 33.0 26.2 39.4  
66 45.0 40.2 60.4

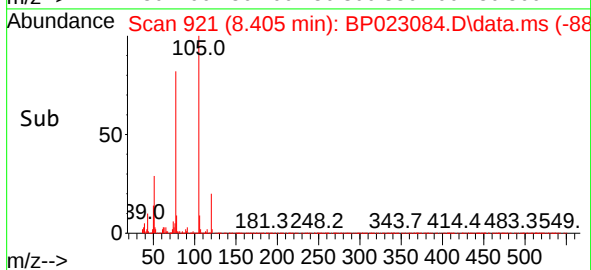
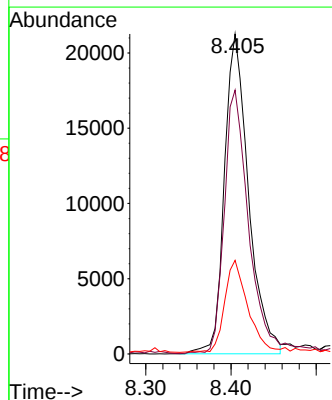
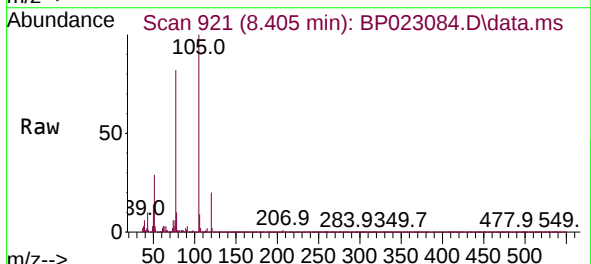
Manual Integrations  
APPROVED

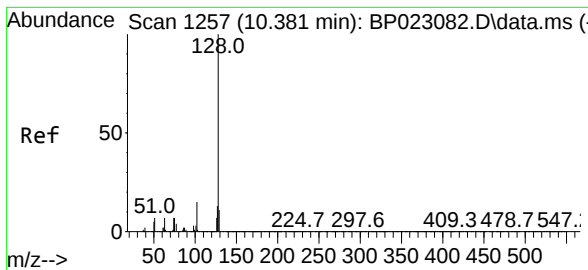
Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024



#16  
Acetophenone  
Concen: 6.964 ng/ul  
RT: 8.405 min Scan# 921  
Delta R.T. 0.012 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

Tgt Ion:105 Resp: 41825  
Ion Ratio Lower Upper  
105 100  
77 82.4 69.4 104.0  
51 29.2 23.2 34.8





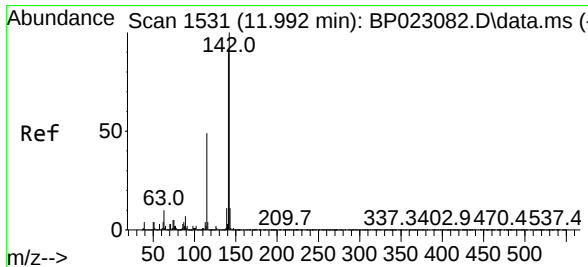
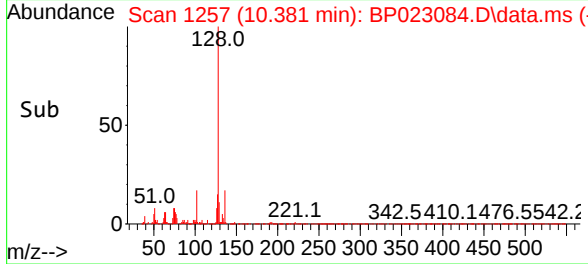
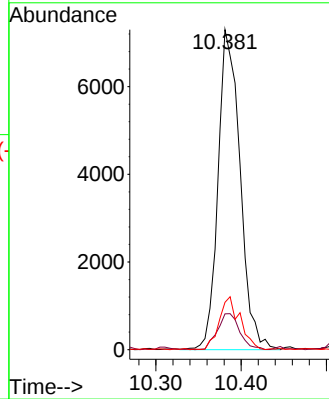
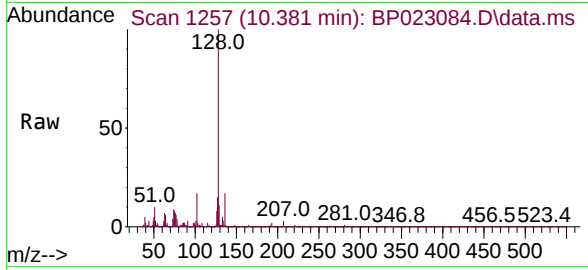
#30  
Naphthalene  
Concen: 1.200 ng/ul  
RT: 10.381 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 13100 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.2  | 8.7   | 13.1  |
| 127       | 14.8  | 10.2  | 15.2  |

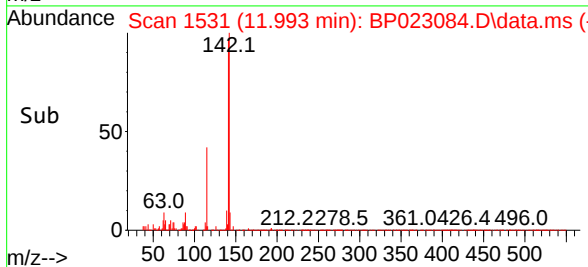
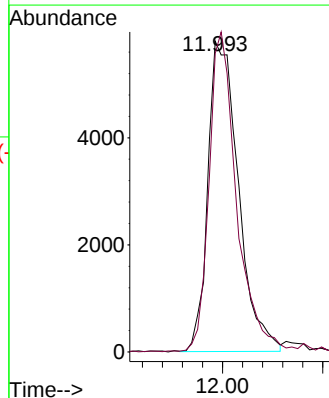
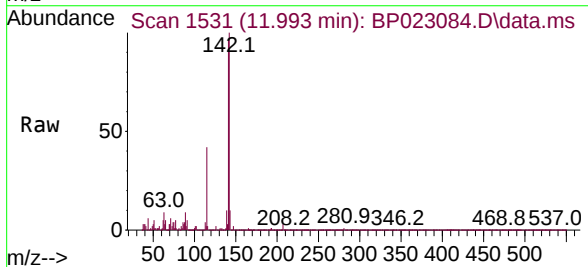
Manual Integrations  
APPROVED

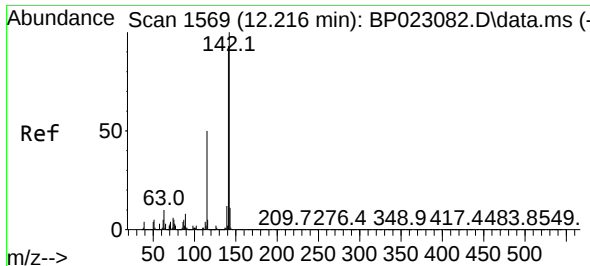
Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024



#36  
2-Methylnaphthalene  
Concen: 1.488 ng/ul  
RT: 11.993 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

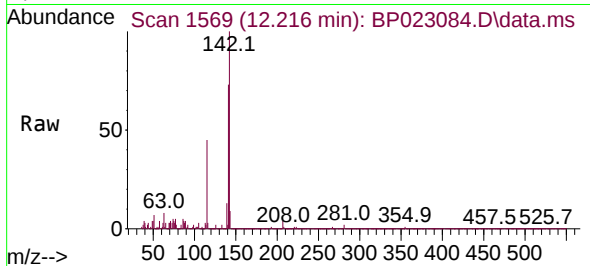
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 12256 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 96.2  | 73.1  | 109.7 |





#37  
1-Methylnaphthalene  
Concen: 1.197 ng/ul  
RT: 12.216 min Scan# 1569  
Delta R.T. 0.006 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

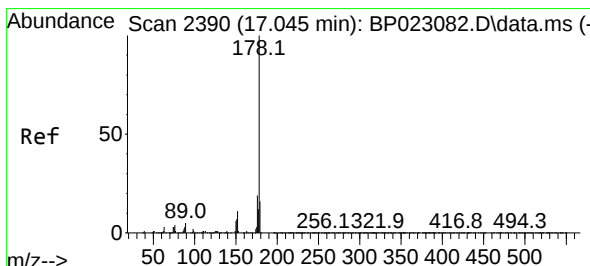
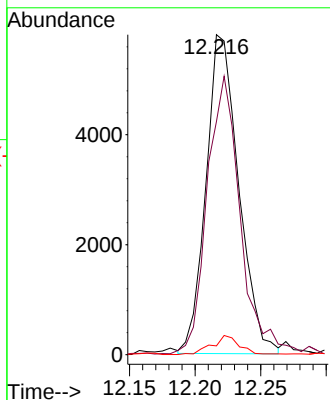
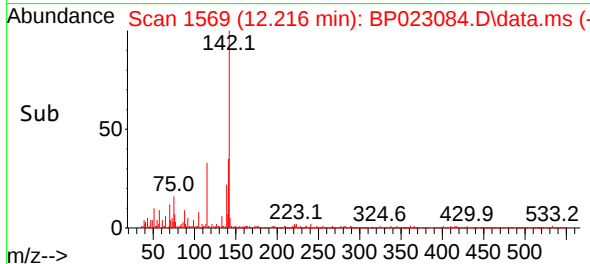
Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8



Tgt Ion:142 Resp: 10085  
Ion Ratio Lower Upper  
142 100  
141 72.8 73.8 110.8  
116 2.7 4.2 6.4

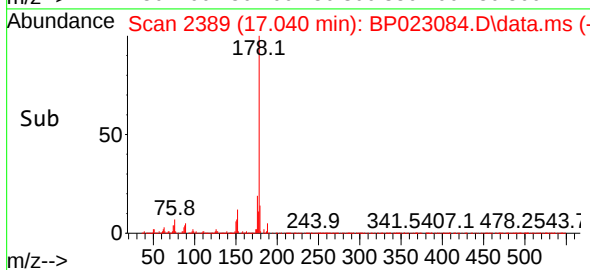
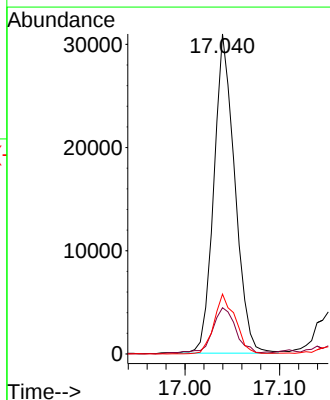
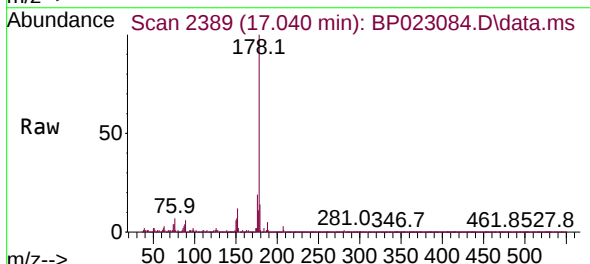
Manual Integrations  
APPROVED

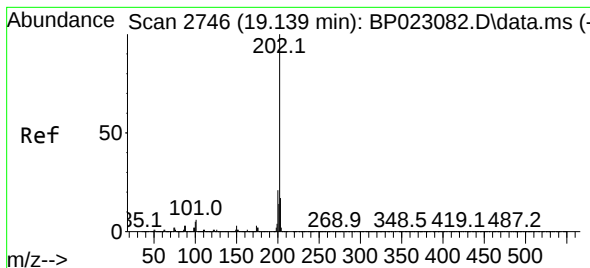
Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024



#72  
Phenanthrene  
Concen: 2.353 ng/ul  
RT: 17.040 min Scan# 2389  
Delta R.T. -0.017 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

Tgt Ion:178 Resp: 47601  
Ion Ratio Lower Upper  
178 100  
179 14.5 12.7 19.1  
176 18.7 15.4 23.2





#80

Fluoranthene

Concen: 3.830 ng/ul

RT: 19.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP023084.D

Acq: 13 Nov 2024 16:52

Instrument :

BNA\_P

ClientSampleId :

BH9B8

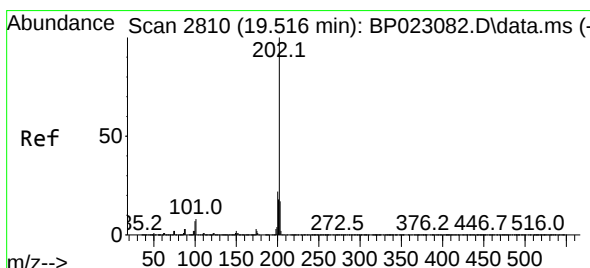
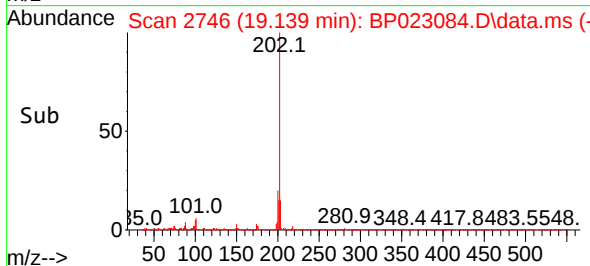
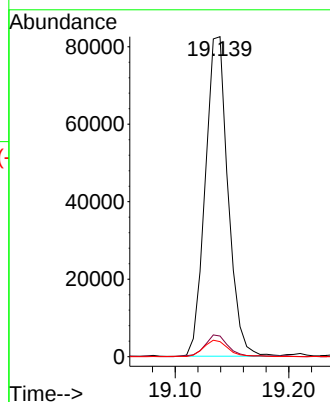
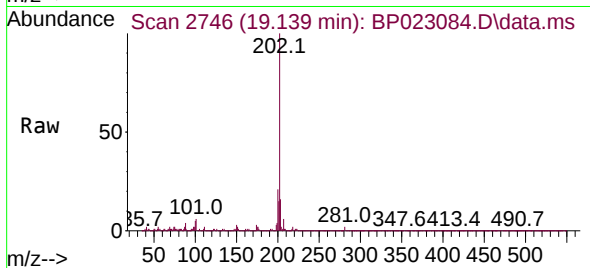
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 11479 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.5   | 5.2   | 7.8   |
| 100       | 4.7   | 4.1   | 6.1   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/18/2024



#82

Pyrene

Concen: 2.396 ng/ul

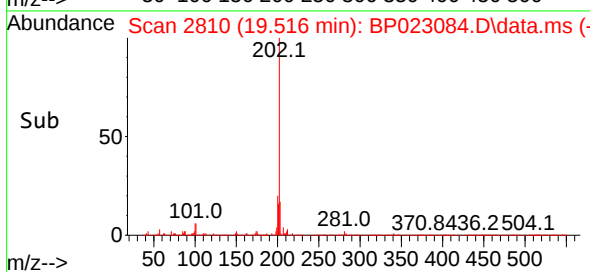
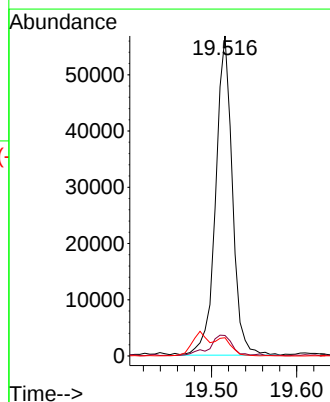
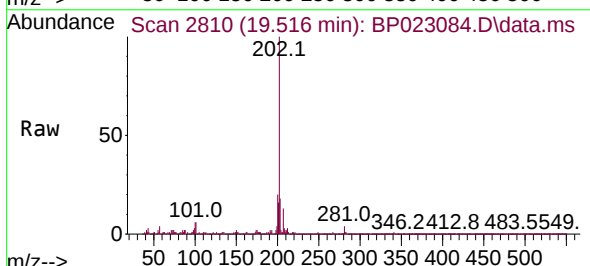
RT: 19.516 min Scan# 2810

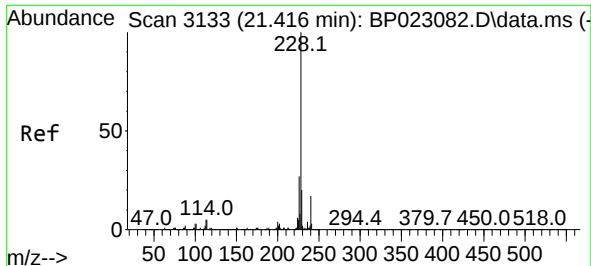
Delta R.T. -0.012 min

Lab File: BP023084.D

Acq: 13 Nov 2024 16:52

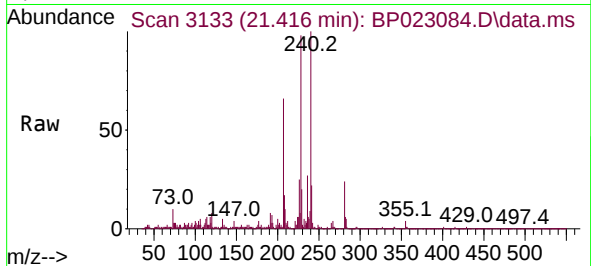
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 77141 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 6.4   | 6.2   | 9.2   |
| 100       | 5.7   | 4.9   | 7.3   |





#85  
Benzo(a)anthracene  
Concen: 2.031 ng/uI  
RT: 21.416 min Scan# 3133  
Delta R.T. -0.006 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

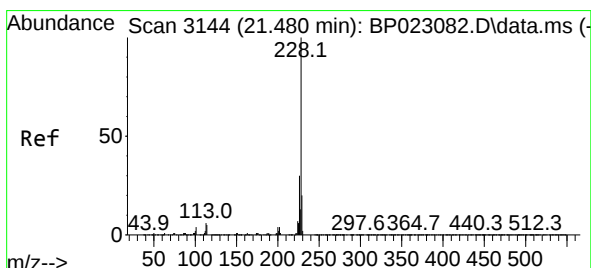
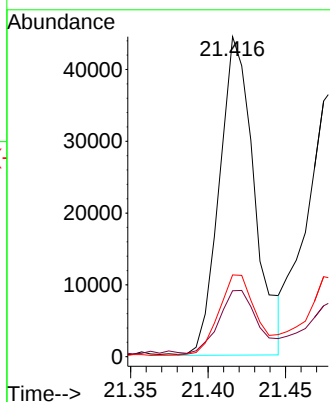
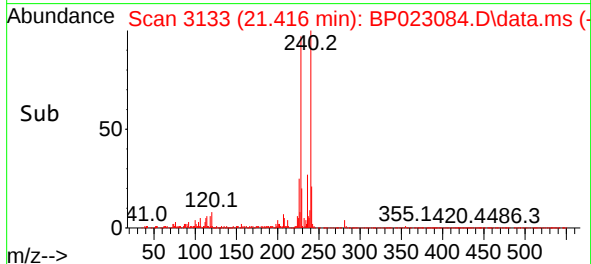
Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8



Tgt Ion:228 Resp: 70060  
Ion Ratio Lower Upper  
228 100  
229 20.6 15.5 23.3  
226 25.5 21.9 32.9

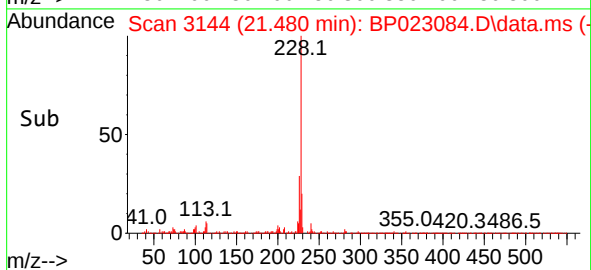
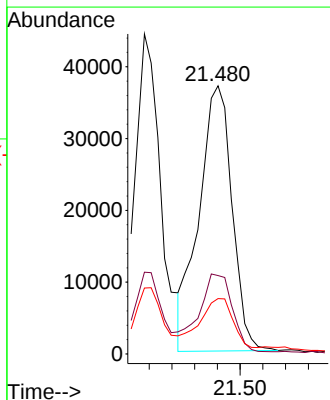
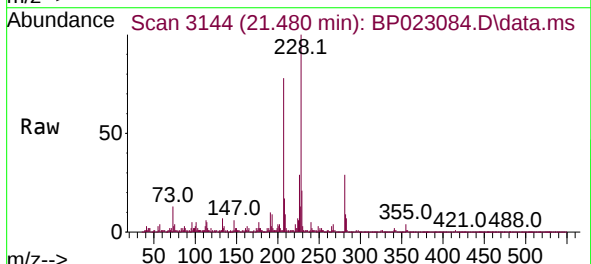
Manual Integrations  
APPROVED

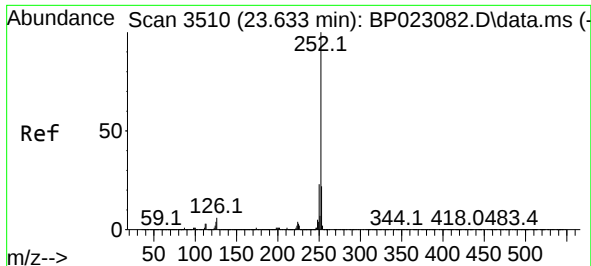
Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024



#87  
Chrysene  
Concen: 2.311 ng/uI  
RT: 21.480 min Scan# 3144  
Delta R.T. -0.006 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

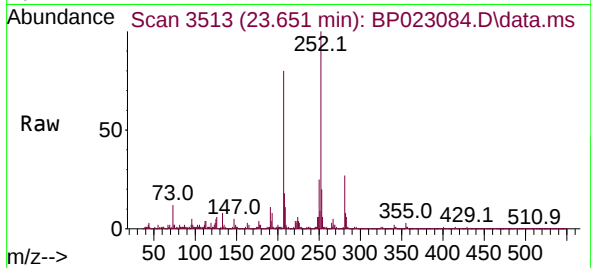
Tgt Ion:228 Resp: 74993  
Ion Ratio Lower Upper  
228 100  
226 29.2 24.2 36.2  
229 20.7 16.1 24.1





#90  
Benzo(b)fluoranthene  
Concen: 2.974 ng/u1  
RT: 23.651 min Scan# 3513  
Delta R.T. 0.012 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

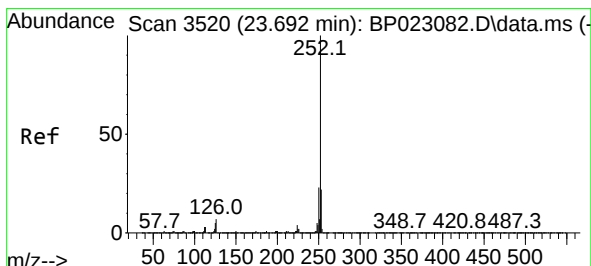
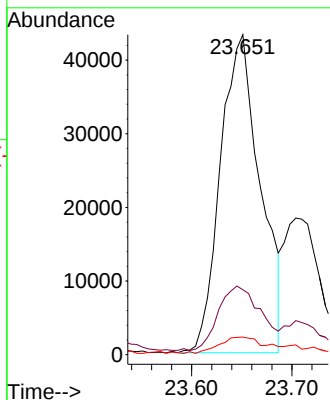
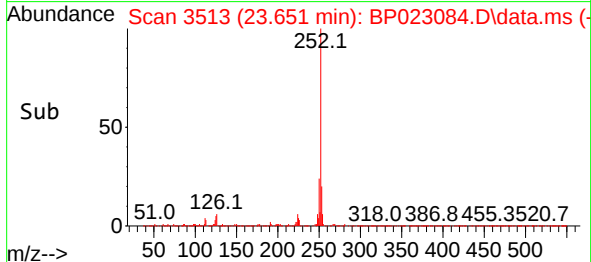
Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8



Tgt Ion:252 Resp: 119510  
Ion Ratio Lower Upper  
252 100  
253 20.3 17.4 26.2  
125 5.5 3.7 5.5

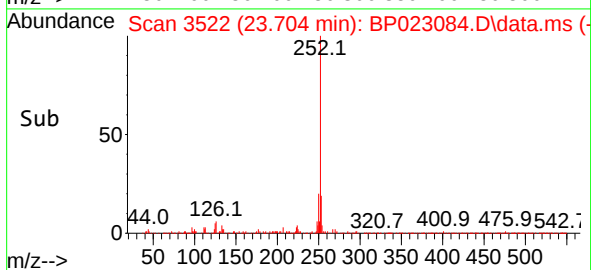
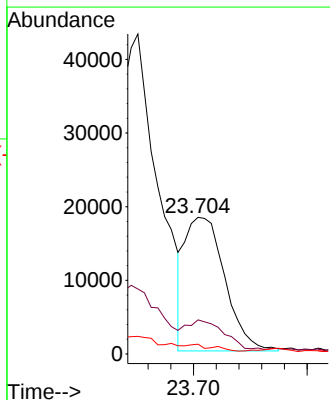
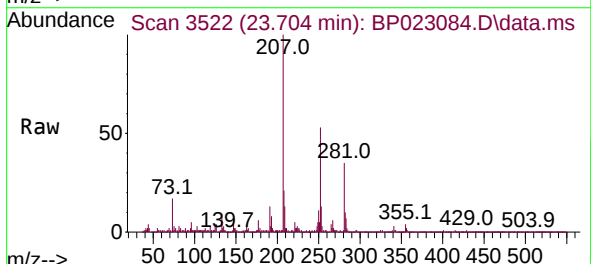
Manual Integrations  
APPROVED

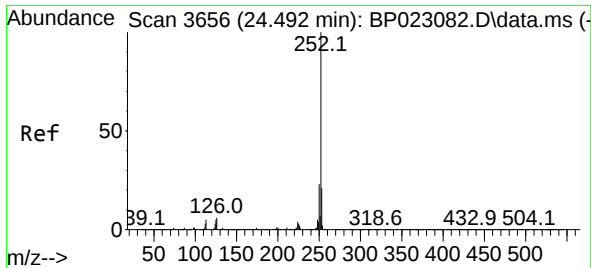
Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024



#91  
Benzo(k)fluoranthene  
Concen: 1.119 ng/u1  
RT: 23.704 min Scan# 3522  
Delta R.T. -0.006 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

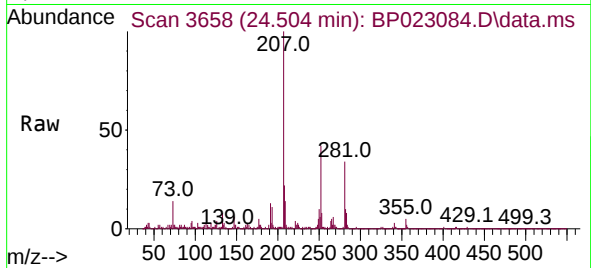
Tgt Ion:252 Resp: 44255  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.8 26.8  
125 7.2 3.0 4.4





#93  
Benzo(a)pyrene  
Concen: 1.078 ng/ul  
RT: 24.504 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: BP023084.D  
Acq: 13 Nov 2024 16:52

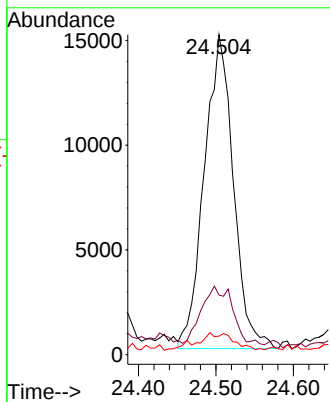
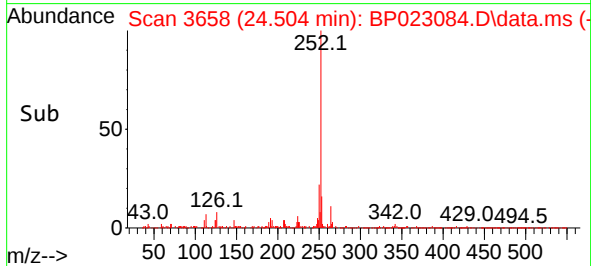
Instrument :  
BNA\_P  
ClientSampleId :  
BH9B8



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 18.7  | 17.6  | 26.4  |
| 125     | 5.8   | 4.2   | 6.2   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/15/2024  
Supervised By :mohammad ahmed 11/18/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111324\  
 Data File : BP023084.D  
 Acq On : 13 Nov 2024 16:52  
 Operator : RC/JU  
 Sample : P4724-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BH9B8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024  
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 14 01:50:58 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 13 04:49:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.581  | 152  | 58742    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.334 | 136  | 224619   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.193 | 164  | 170688   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 16.998 | 188  | 428425   | 20.000 | ng/u1  | -0.02    |
| 79) Chrysene-d12              | 21.433 | 240  | 564791   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.657 | 264  | 722006   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.146  | 96   | 2786     | 2.280  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 3.581  | 84   | 9725m    | 2.678  | ng/u1  | 0.04     |
| 7) Phenol-d5                  | 6.793  | 99   | 49450    | 11.386 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.934  | 67   | 33597    | 13.167 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.134  | 132  | 41160    | 12.941 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.311  | 113  | 29767    | 8.329  | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.728  | 128  | 19880    | 12.713 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.440  | 143  | 23484    | 12.597 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.999  | 165  | 46680    | 11.957 | ng/u1  | 0.03     |
| 31) 4-Chloroaniline-d4        | 10.505 | 131  | 22137m   | 4.753  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.610 | 166  | 175153   | 14.238 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.893 | 160  | 178800   | 13.929 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.493 | 143  | 16619m   | 8.989  | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.204 | 176  | 160350   | 14.867 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.375 | 200  | 21566    | 8.403  | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.110 | 188  | 259656   | 14.314 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.486 | 212  | 301363   | 11.584 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.433 | 264  | 302653   | 8.800  | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.828  | 94   | 7110m    | 1.568  | ng/u1  |          |
| 16) Acetophenone              | 8.405  | 105  | 41825    | 6.964  | ng/u1  | 96       |
| 30) Naphthalene               | 10.381 | 128  | 13100    | 1.200  | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 11.993 | 142  | 12256    | 1.488  | ng/u1  | 95       |
| 37) 1-Methylnaphthalene       | 12.216 | 142  | 10085    | 1.197  | ng/u1# | 80       |
| 72) Phenanthrene              | 17.040 | 178  | 47601    | 2.353  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.139 | 202  | 114791   | 3.830  | ng/u1  | 99       |
| 82) Pyrene                    | 19.516 | 202  | 77141    | 2.396  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.416 | 228  | 70060    | 2.031  | ng/u1  | 97       |
| 87) Chrysene                  | 21.480 | 228  | 74993    | 2.311  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.651 | 252  | 119516   | 2.974  | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 23.704 | 252  | 44255    | 1.119  | ng/u1# | 94       |
| 93) Benzo(a)pyrene            | 24.504 | 252  | 39177    | 1.078  | ng/u1  | 94       |
| -----                         |        |      |          |        |        |          |

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