

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022924\  
 Data File : BP019948.D  
 Acq On : 29 Feb 2024 21:21  
 Operator : MA/JU  
 Sample : P1621-03 2X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EO-01-022824-B

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024  
 Supervised By :mohammad ahmed 03/02/2024

Quant Time: Mar 01 03:45:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP022624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 29 12:18:35 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.893  | 152  | 80132    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.698 | 136  | 296843   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.539 | 164  | 204582   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.304 | 188  | 451348   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 21.410 | 240  | 342549   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 23.839 | 264  | 381942   | 20.000 | ng    | -0.03    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.463  | 112  | 195493   | 40.043 | ng    | -0.02    |
| 7) Phenol-d6                | 7.069  | 99   | 256222   | 35.250 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.069  | 82   | 176235   | 23.968 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.039 | 330  | 150583   | 42.927 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.163 | 172  | 410674   | 27.122 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.874 | 244  | 668987   | 30.782 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.345 | 178  | 49916    | 2.072  | ng    | 97       |
| 75) Fluoranthene            | 19.322 | 202  | 92752    | 2.967  | ng    | 98       |
| 78) Pyrene                  | 19.674 | 202  | 115611   | 4.912  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.392 | 228  | 50052    | 2.058  | ng    | # 80     |
| 83) Chrysene                | 21.445 | 228  | 57200m   | 2.511  | ng    |          |
| 88) Benzo(b)fluoranthene    | 23.098 | 252  | 59898m   | 2.558  | ng    |          |
| 90) Benzo(a)pyrene          | 23.727 | 252  | 47192    | 2.109  | ng    | # 62     |
| -----                       |        |      |          |        |       |          |

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

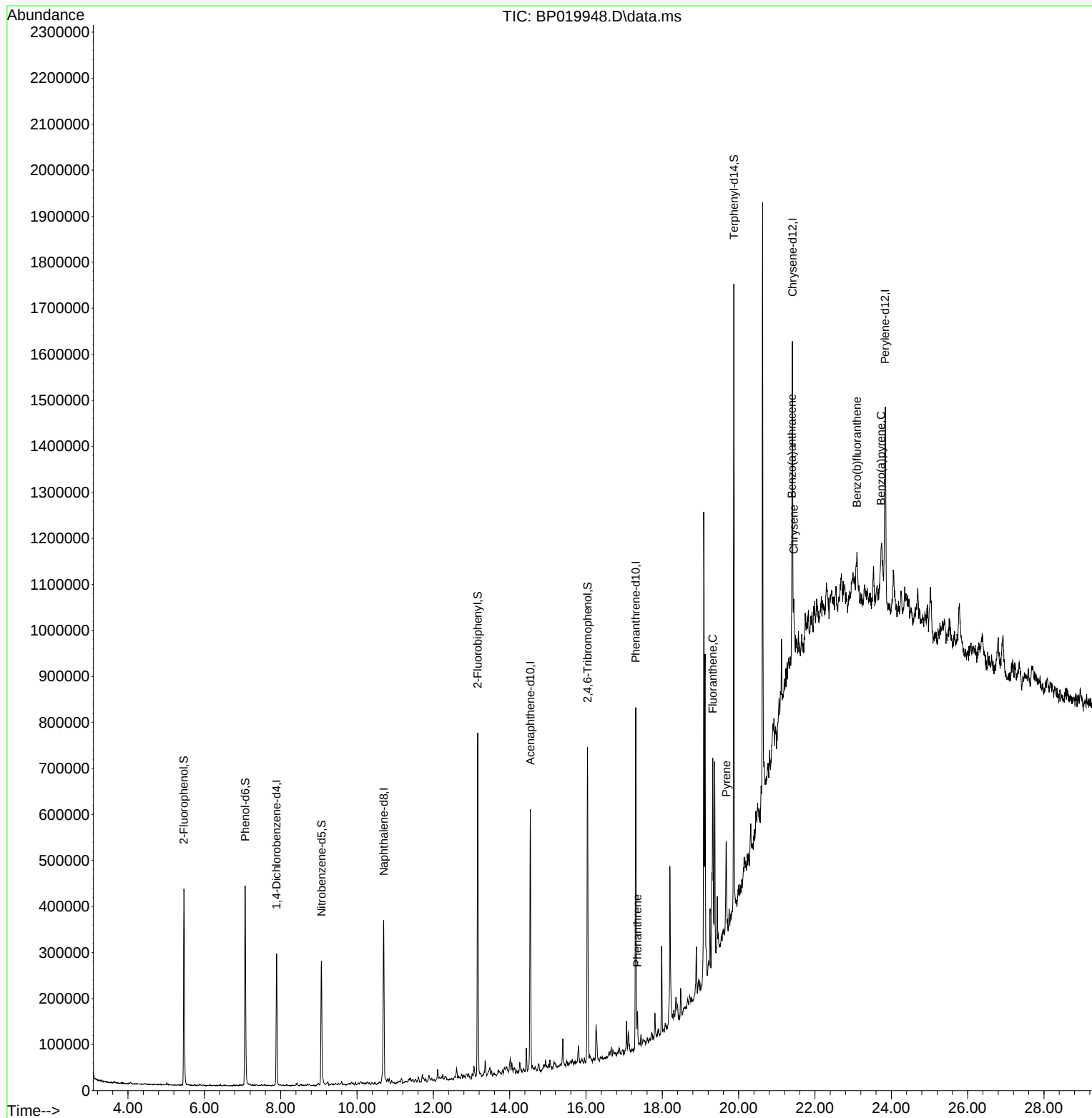
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022924\  
Data File : BP019948.D  
Acq On : 29 Feb 2024 21:21  
Operator : MA/JU  
Sample : P1621-03 2X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

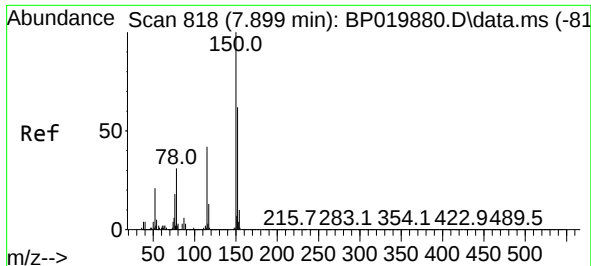
Instrument :  
BNA\_P  
ClientSampleId :  
EO-01-022824-B

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024

Quant Time: Mar 01 03:45:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP022624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 29 12:18:35 2024  
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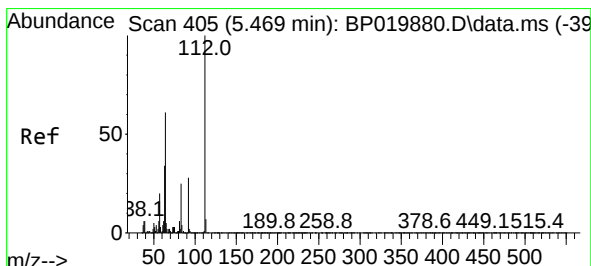
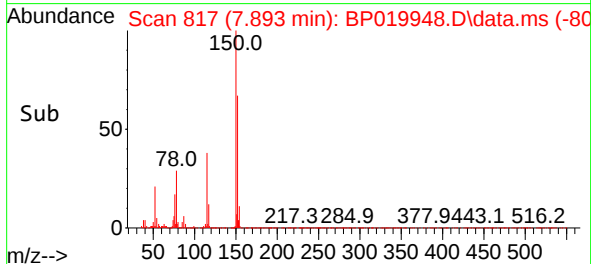
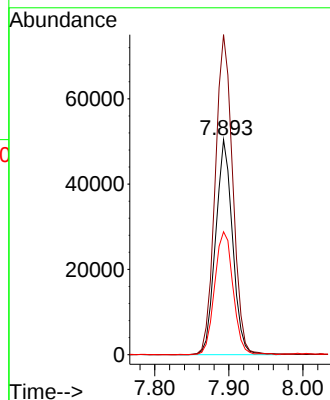
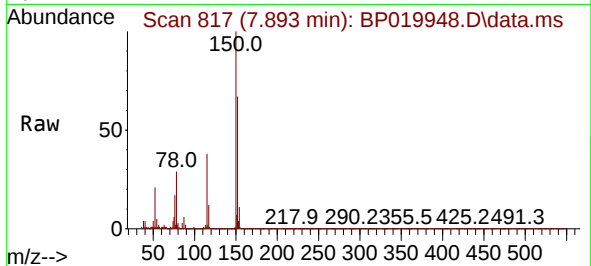
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.893 min Scan# 81  
Delta R.T. -0.017 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Instrument :  
BNA\_P  
ClientSampleId :  
EO-01-022824-B

Tgt Ion:152 Resp: 8013  
Ion Ratio Lower Upper  
152 100  
150 148.8 128.6 192.8  
115 57.2 53.4 80.2

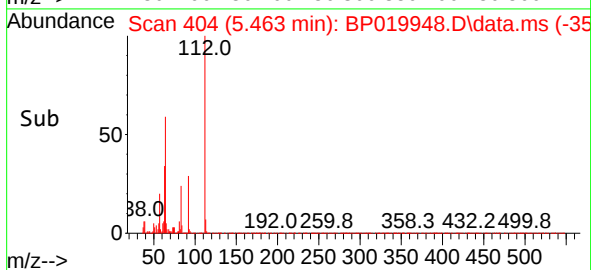
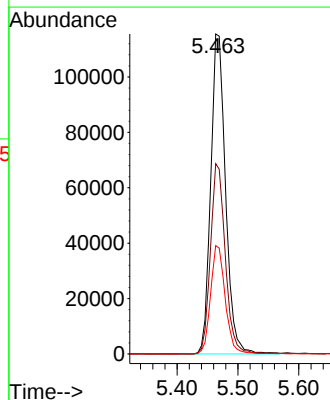
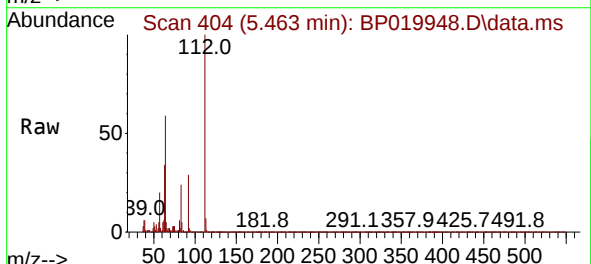
Manual Integrations  
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Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#5  
2-Fluorophenol  
Concen: 40.043 ng  
RT: 5.463 min Scan# 404  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

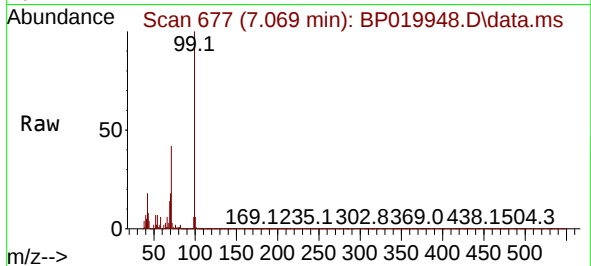
Tgt Ion:112 Resp: 195493  
Ion Ratio Lower Upper  
112 100  
64 59.5 49.0 73.6  
63 33.9 27.6 41.4





#7  
Phenol-d6  
Concen: 35.250 ng  
RT: 7.069 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

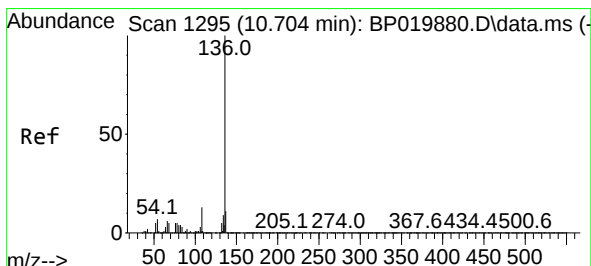
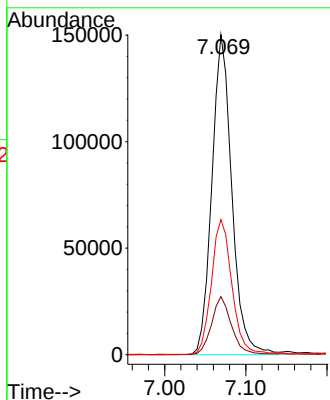
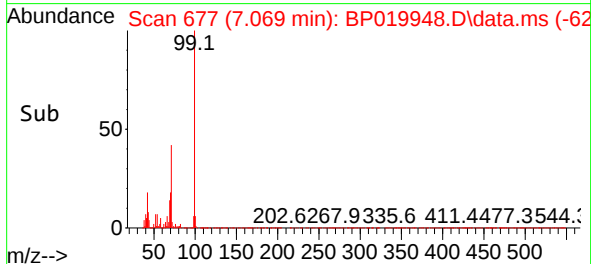
Instrument :  
BNA\_P  
ClientSampleId :  
EO-01-022824-B



Tgt Ion: 99 Resp: 25622  
Ion Ratio Lower Upper  
99 100  
42 18.1 13.8 20.8  
71 42.2 34.5 51.7

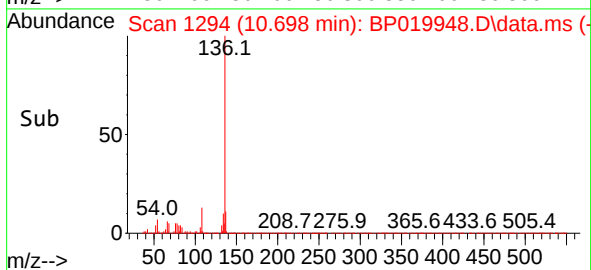
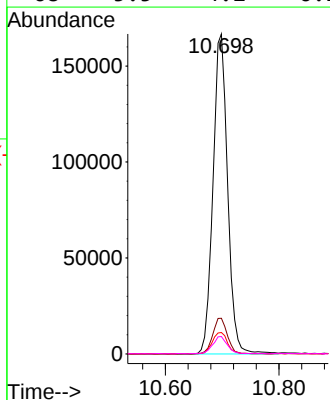
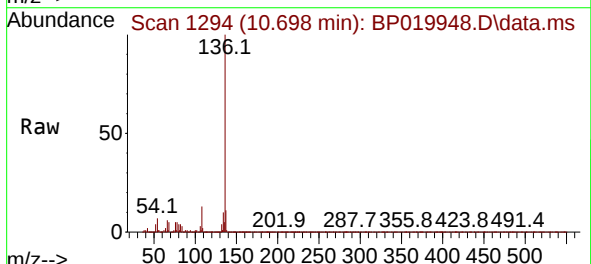
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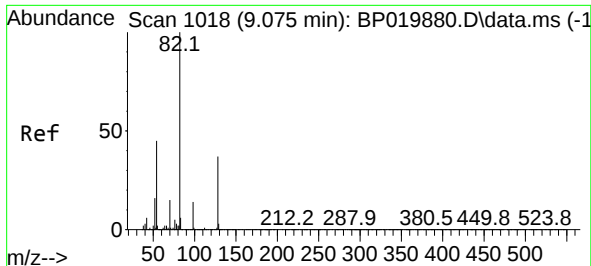
Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.698 min Scan# 1294  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Tgt Ion:136 Resp: 296843  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.7 13.1  
54 6.7 6.0 9.0  
68 5.5 4.2 6.2





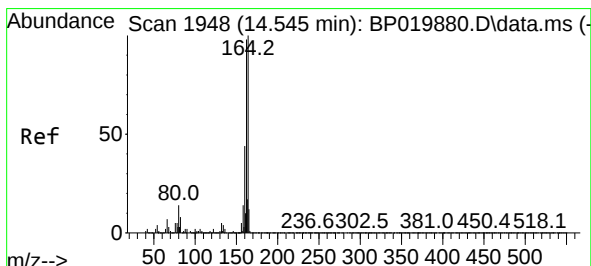
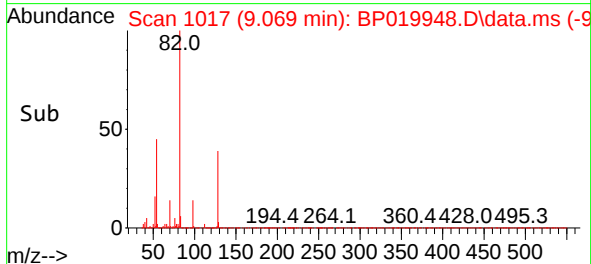
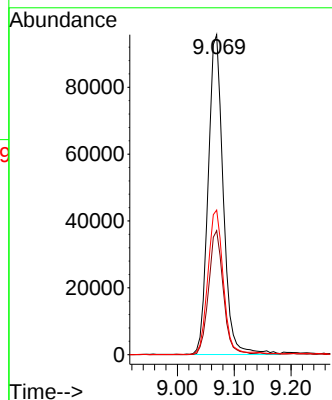
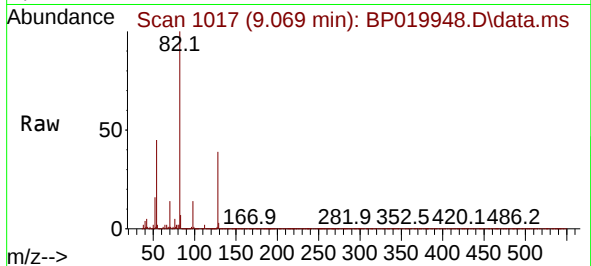
#23  
Nitrobenzene-d5  
Concen: 23.968 ng  
RT: 9.069 min Scan# 1018  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Instrument :  
BNA\_P  
ClientSampleId :  
EO-01-022824-B

Tgt Ion: 82 Resp: 176235  
Ion Ratio Lower Upper  
82 100  
128 38.7 29.6 44.4  
54 45.2 36.3 54.5

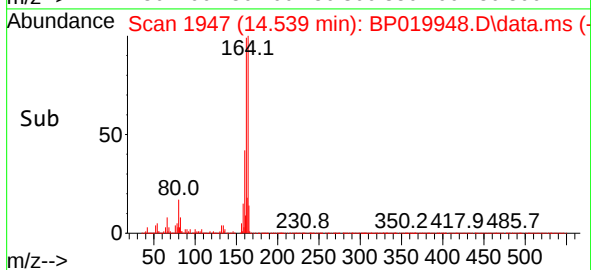
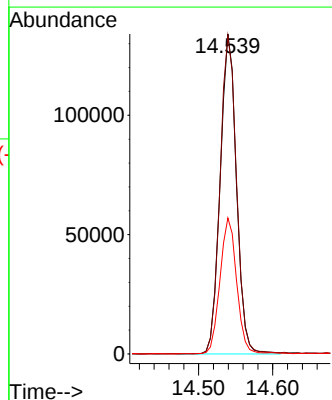
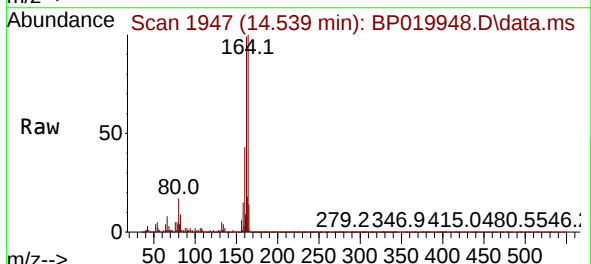
Manual Integrations  
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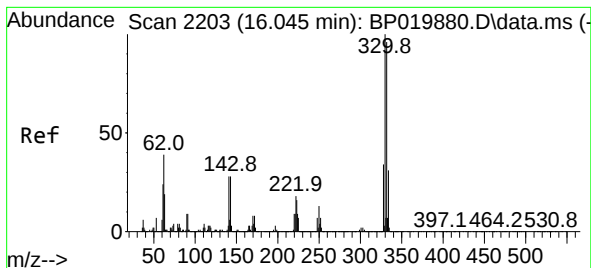
Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.539 min Scan# 1947  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Tgt Ion:164 Resp: 204582  
Ion Ratio Lower Upper  
164 100  
162 99.4 78.1 117.1  
160 42.5 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 42.927 ng

RT: 16.039 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA\_P

ClientSampleId :

EO-01-022824-B

Tgt Ion:330 Resp: 15058

Ion Ratio Lower Upper

330 100

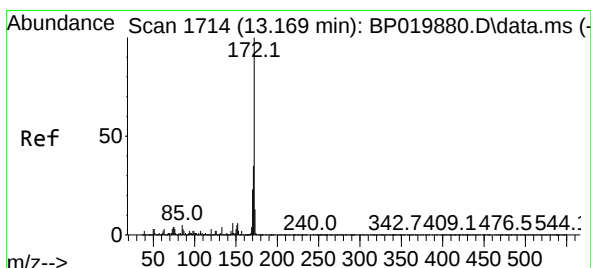
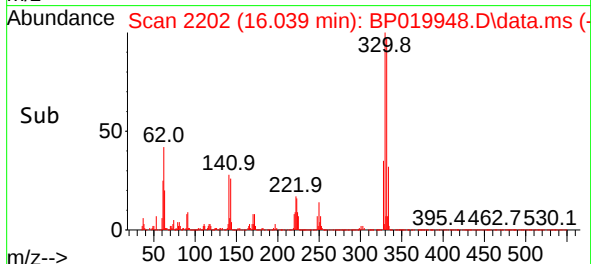
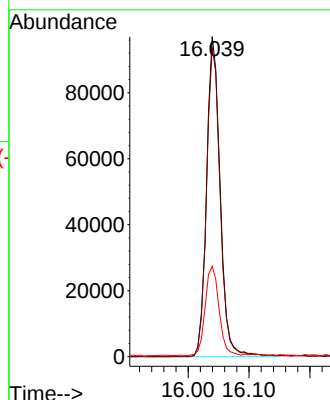
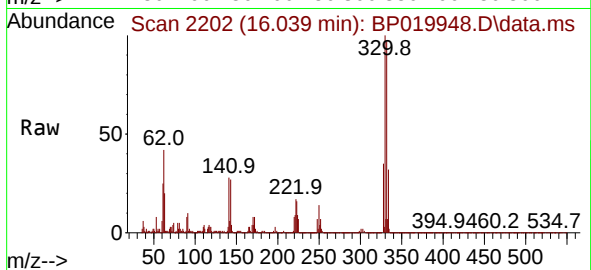
332 97.3 77.4 116.2

141 28.3 24.6 37.0

Manual Integrations

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Supervised By :mohammad ahmed 03/02/2024



#45

2-Fluorobiphenyl

Concen: 27.122 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

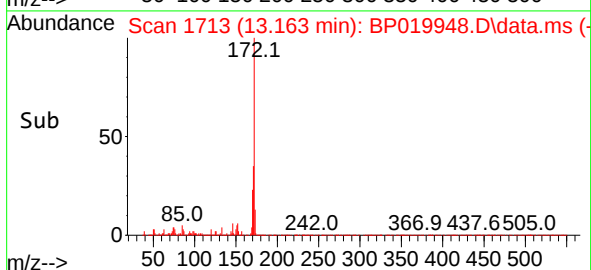
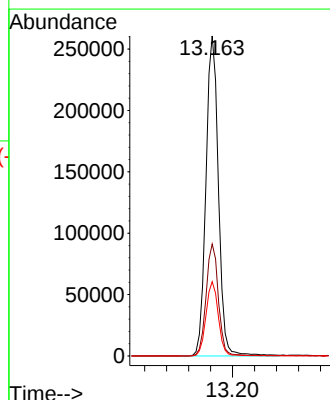
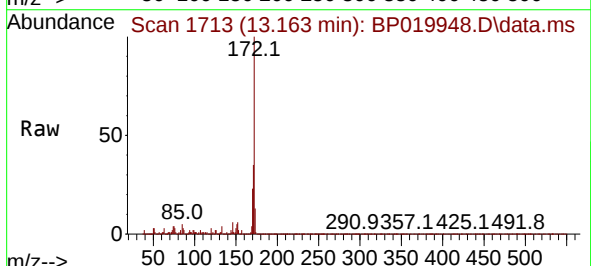
Tgt Ion:172 Resp: 410674

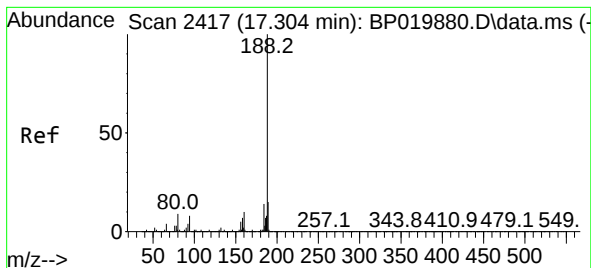
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

170 23.2 18.4 27.6





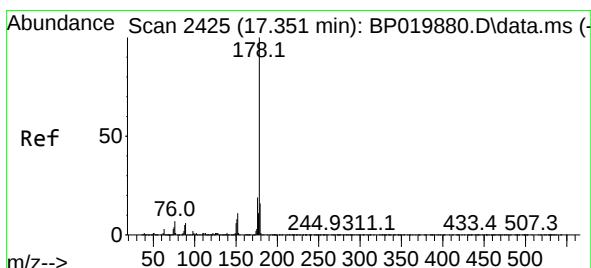
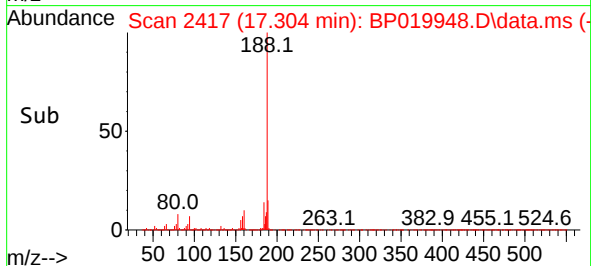
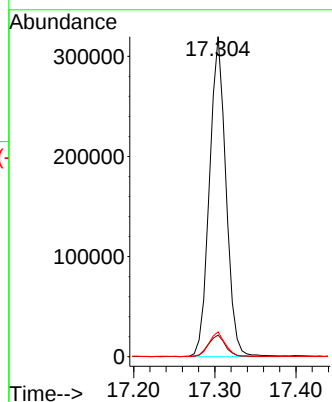
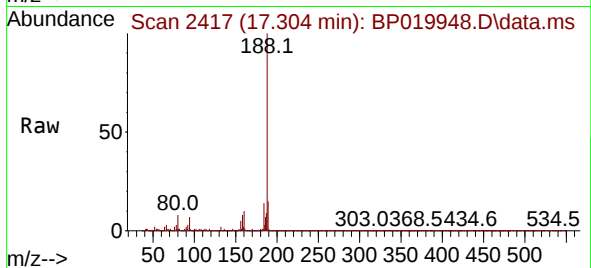
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Instrument :  
BNA\_P  
ClientSampleId :  
EO-01-022824-B

Tgt Ion:188 Resp: 451348  
Ion Ratio Lower Upper  
188 100  
94 6.7 6.2 9.4  
80 7.8 7.0 10.4

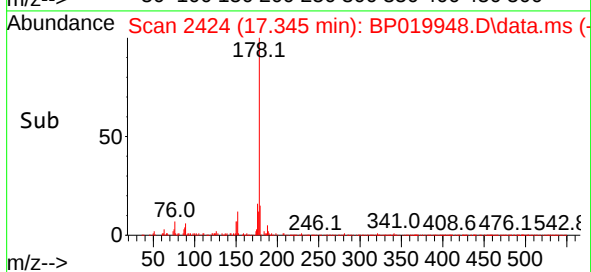
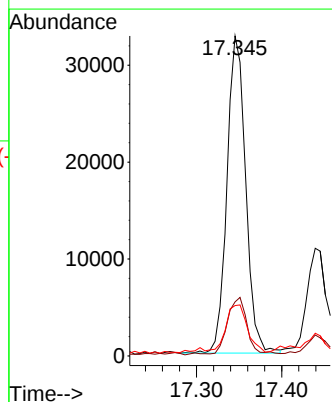
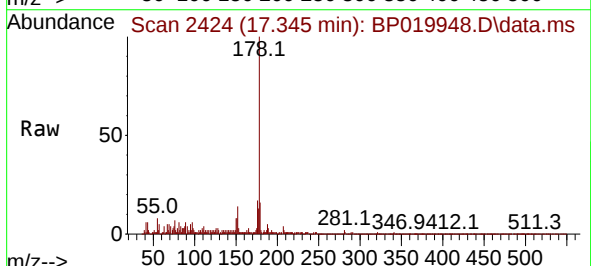
Manual Integrations  
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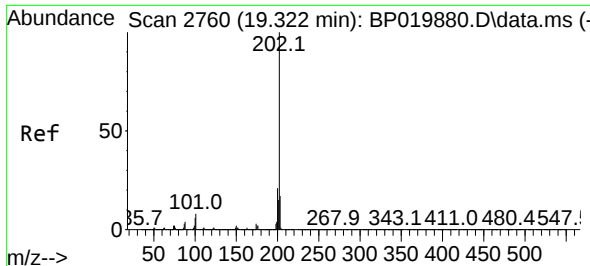
Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#71  
Phenanthrene  
Concen: 2.072 ng  
RT: 17.345 min Scan# 2424  
Delta R.T. -0.024 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Tgt Ion:178 Resp: 49916  
Ion Ratio Lower Upper  
178 100  
176 16.9 15.2 22.8  
179 15.8 12.5 18.7





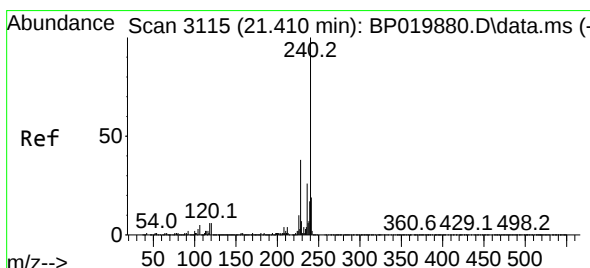
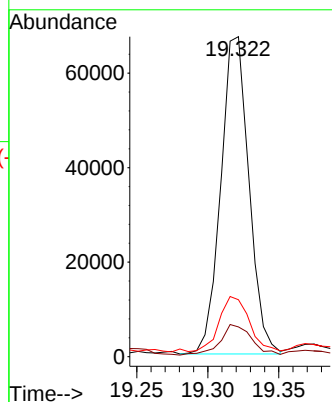
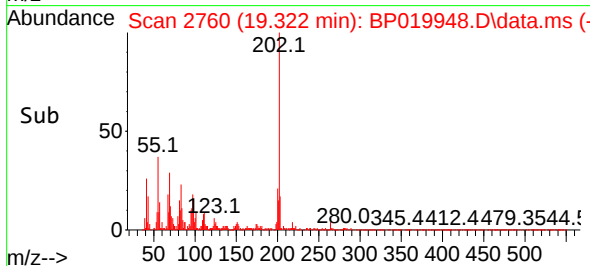
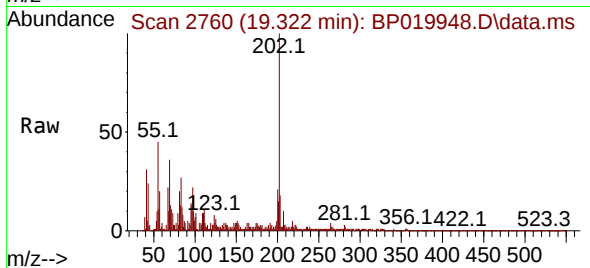
#75  
Fluoranthene  
Concen: 2.967 ng  
RT: 19.322 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Instrument :  
BNA\_P  
ClientSampleId :  
EO-01-022824-B

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 9275 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 9.3   | 0.0   | 27.7 |
| 203       | 17.8  | 0.0   | 37.5 |

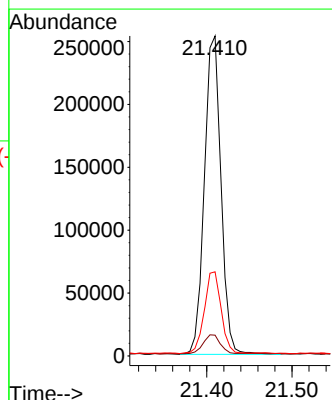
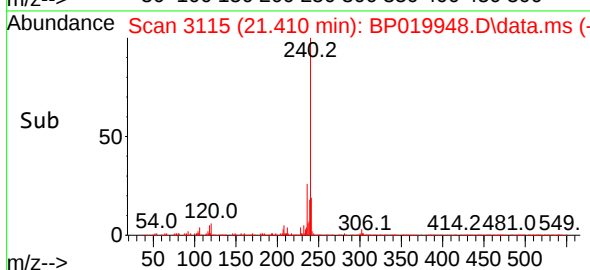
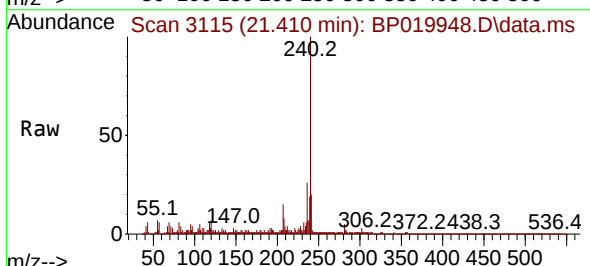
Manual Integrations  
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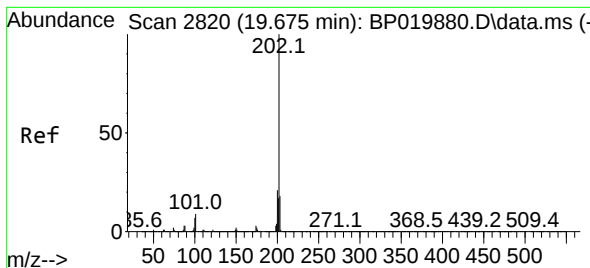
Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.410 min Scan# 3115  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 342549 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 6.5   | 5.1   | 7.7    |
| 236       | 26.3  | 20.5  | 30.7   |





#78

Pyrene

Concen: 4.912 ng

RT: 19.674 min Scan# 2820

Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA\_P

ClientSampleId :

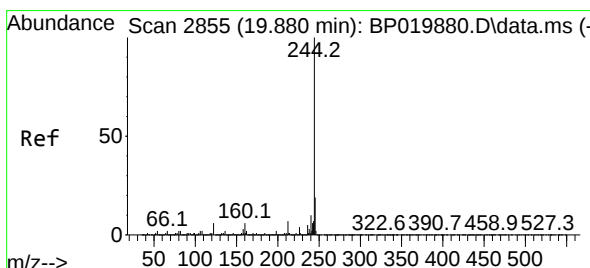
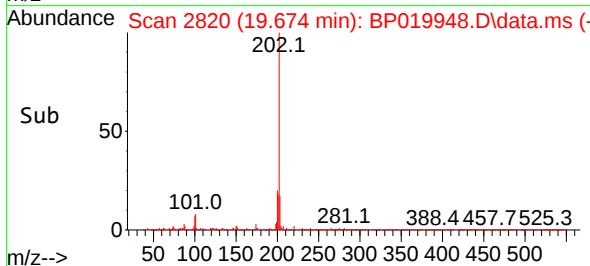
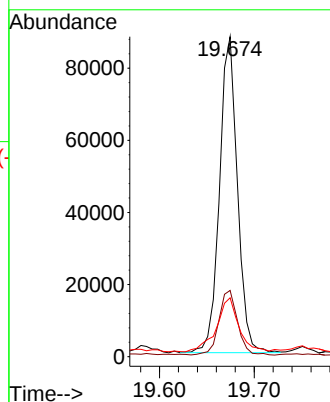
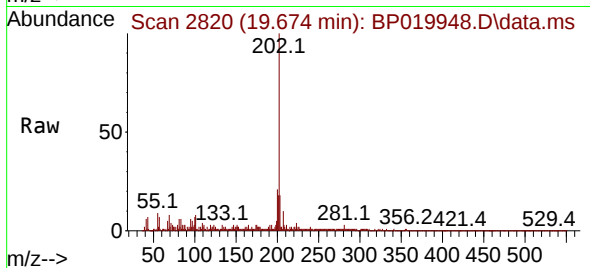
EO-01-022824-B

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 11561 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 20.7  | 16.7  | 25.1  |
| 203      | 18.4  | 14.2  | 21.2  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#79

Terphenyl-d14

Concen: 30.782 ng

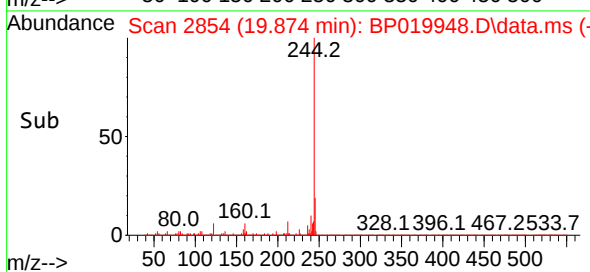
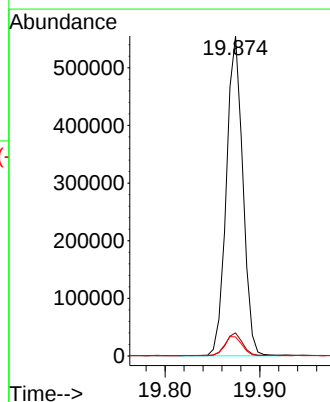
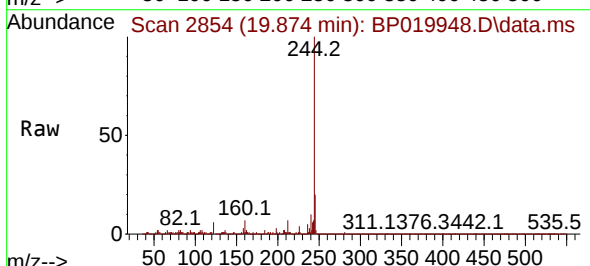
RT: 19.874 min Scan# 2854

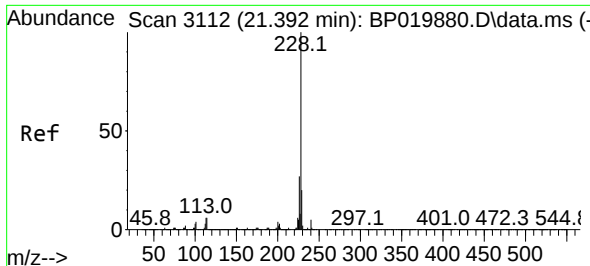
Delta R.T. -0.018 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

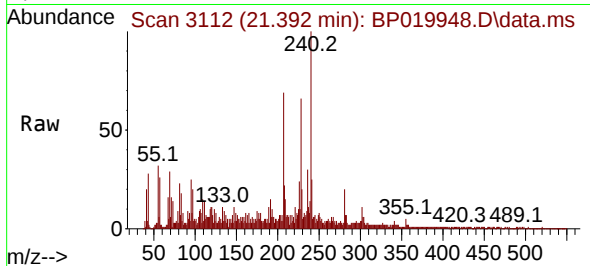
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 668987 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 7.2   | 5.8   | 8.8    |
| 122      | 6.0   | 5.0   | 7.6    |





#81  
Benzo(a)anthracene  
Concen: 2.058 ng  
RT: 21.392 min Scan# 3112  
Delta R.T. -0.018 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

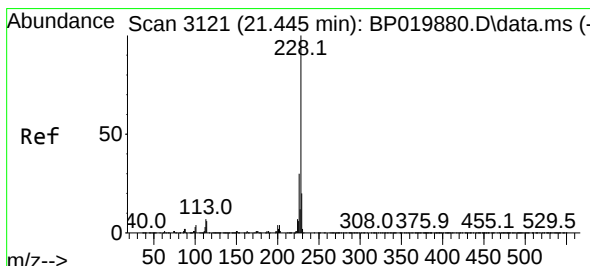
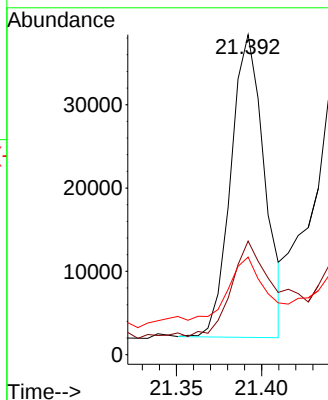
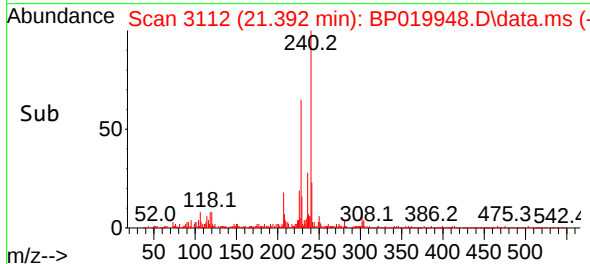
Instrument : BNA\_P  
ClientSampleId : EO-01-022824-B



Tgt Ion:228 Resp: 50052  
Ion Ratio Lower Upper  
228 100  
226 35.5 21.5 32.3#  
229 30.5 15.6 23.4#

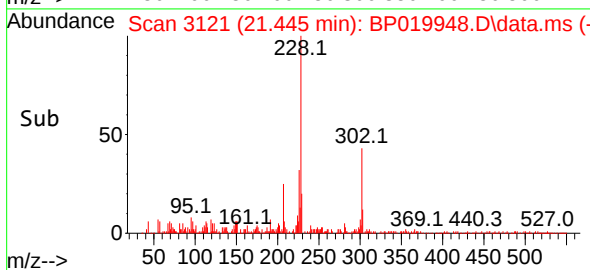
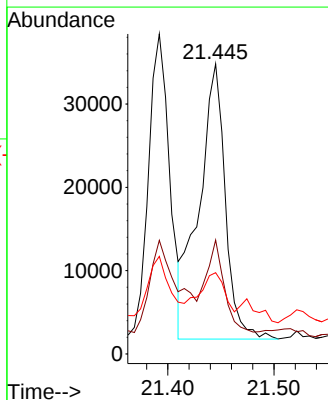
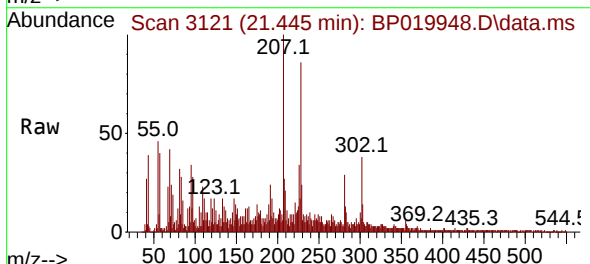
Manual Integrations  
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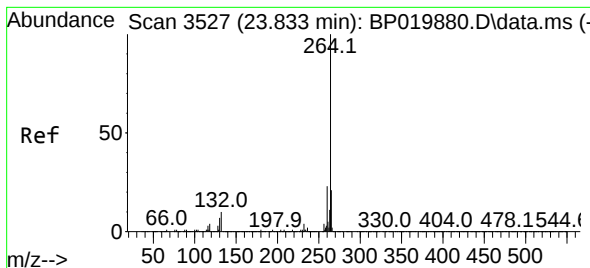
Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#83  
Chrysene  
Concen: 2.511 ng m  
RT: 21.445 min Scan# 3121  
Delta R.T. -0.024 min  
Lab File: BP019948.D  
Acq: 29 Feb 2024 21:21

Tgt Ion:228 Resp: 57200  
Ion Ratio Lower Upper  
228 100  
226 39.3 23.9 35.9#  
229 28.0 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3527

Delta R.T. -0.029 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

Instrument :

BNA\_P

ClientSampleId :

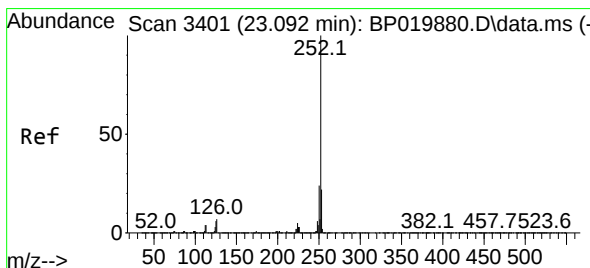
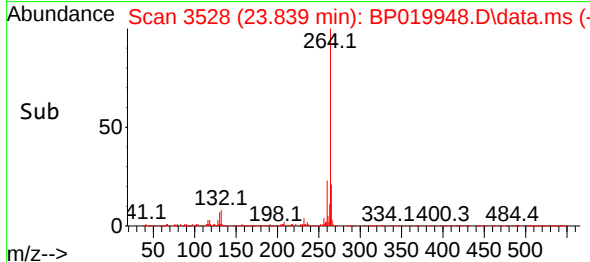
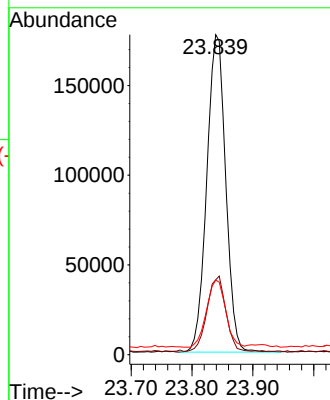
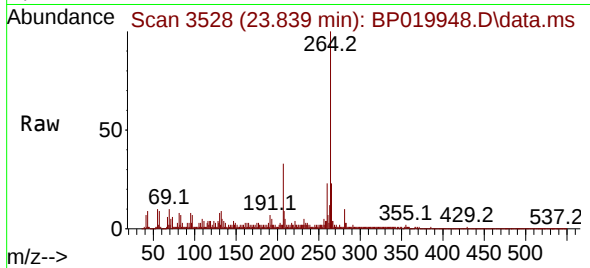
EO-01-022824-B

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 38194 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 23.4  | 18.7  | 28.1  |
| 265       | 23.3  | 17.4  | 26.2  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024  
Supervised By :mohammad ahmed 03/02/2024



#88

Benzo(b)fluoranthene

Concen: 2.558 ng m

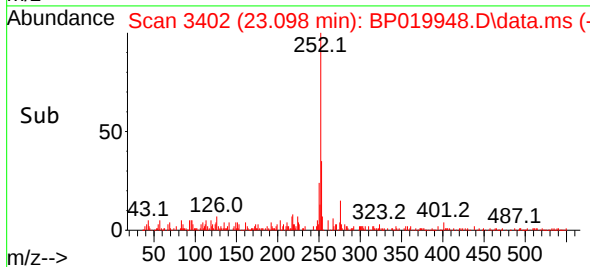
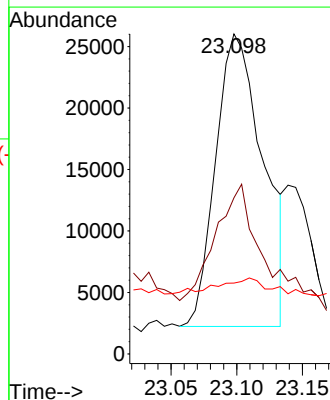
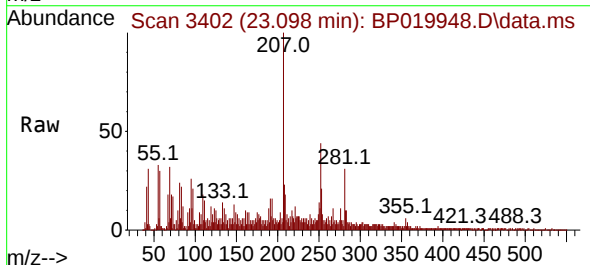
RT: 23.098 min Scan# 3402

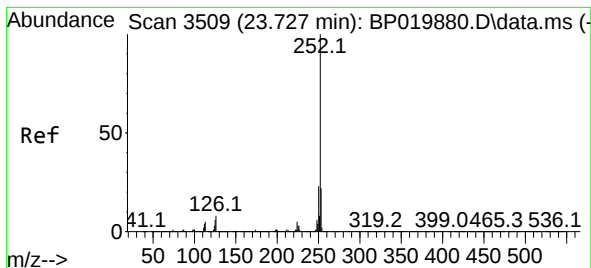
Delta R.T. -0.024 min

Lab File: BP019948.D

Acq: 29 Feb 2024 21:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 59898 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 48.8  | 17.6  | 26.4# |
| 125       | 22.2  | 4.6   | 7.0#  |





#90

Benzo(a)pyrene

Concen: 2.109 ng

RT: 23.727 min Scan# 3509

Delta R.T. -0.035 min

Lab File: BP019948.D

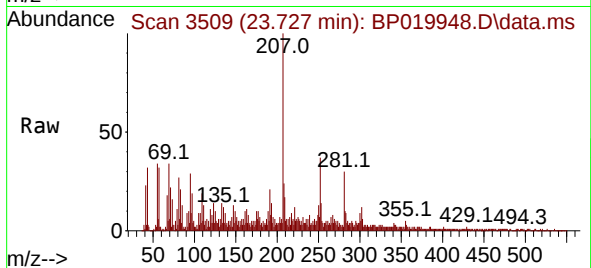
Acq: 29 Feb 2024 21:21

Instrument :

BNA\_P

ClientSampleId :

EO-01-022824-B



Tgt Ion:252 Resp: 47192

Ion Ratio Lower Upper

252 100

253 36.8 17.5 26.3

125 27.1 5.2 7.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024

Supervised By :mohammad ahmed 03/02/2024

