

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110921\  
 Data File : BF126093.D  
 Acq On : 9 Nov 2021 21:30  
 Operator : JU/CG  
 Sample : M4582-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VWE-B10-110621-10-20

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/10/2021  
 Supervised By :mohammad ahmed 11/11/2021

Quant Time: Nov 10 10:04:32 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 03 17:21:25 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.851  | 152  | 178969   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.133  | 136  | 661600   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.886  | 164  | 376408   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.368 | 188  | 605125   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.004 | 240  | 377813   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.468 | 264  | 376664   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.469  | 112  | 1021978  | 98.063 | ng    | 0.00     |
| 7) Phenol-d6                | 6.481  | 99   | 1308575  | 89.072 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.416  | 82   | 977268   | 69.662 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.674 | 330  | 390006   | 90.412 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.210  | 172  | 1886153  | 67.716 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.957 | 244  | 1511616  | 64.517 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.392 | 178  | 89248    | 2.720  | ng    | 100      |
| 75) Fluoranthene            | 12.580 | 202  | 125591   | 3.437  | ng    | 93       |
| 78) Pyrene                  | 12.810 | 202  | 106360   | 3.510  | ng    | 94       |
| 88) Benzo(b)fluoranthene    | 15.045 | 252  | 56018m   | 2.286  | ng    |          |
| 90) Benzo(a)pyrene          | 15.404 | 252  | 41109m   | 2.130  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

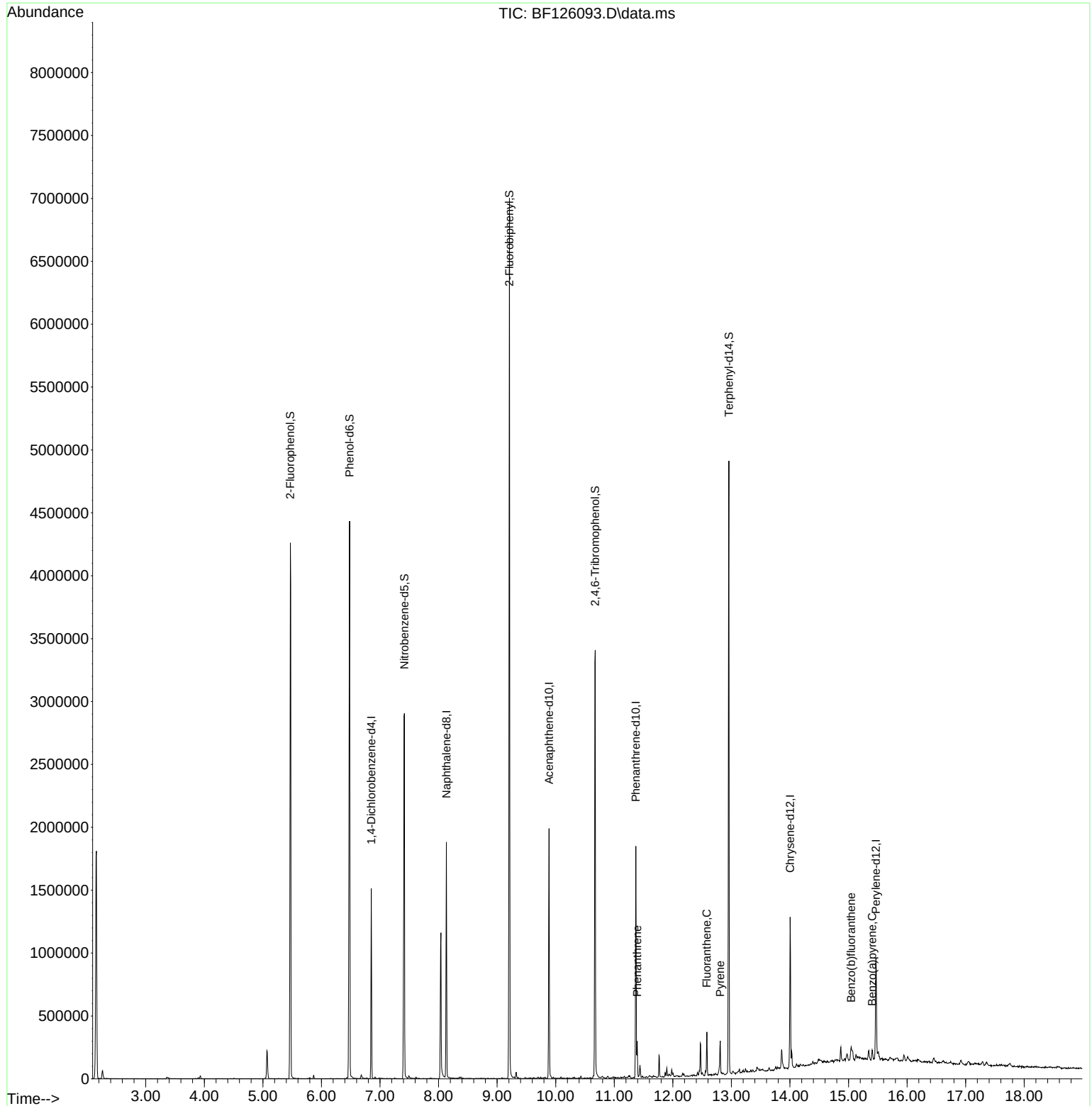
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110921\  
Data File : BF126093.D  
Acq On : 9 Nov 2021 21:30  
Operator : JU/CG  
Sample : M4582-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

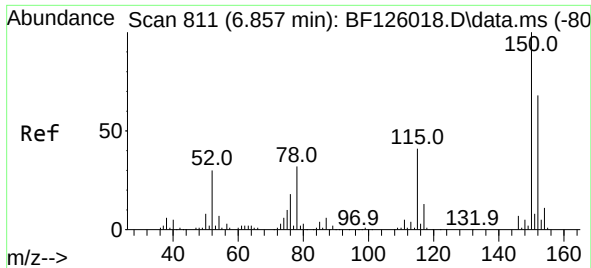
Instrument :  
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VWE-B10-110621-10-20

Quant Time: Nov 10 10:04:32 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 03 17:21:25 2021  
Response via : Initial Calibration

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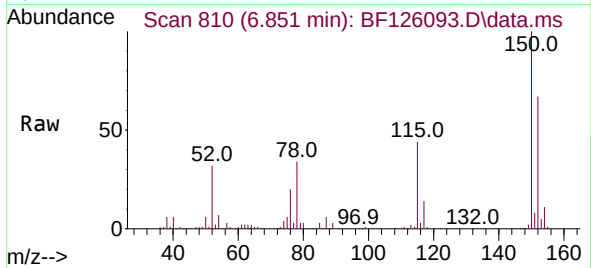
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

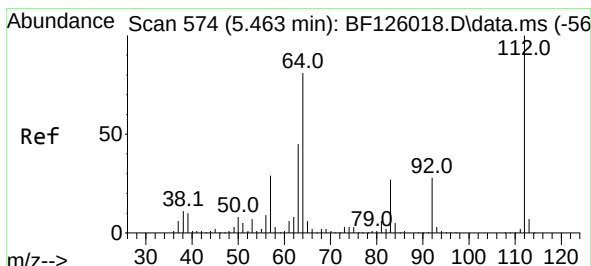
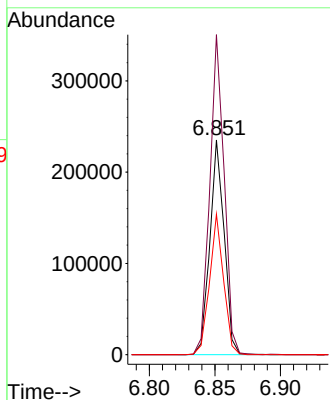
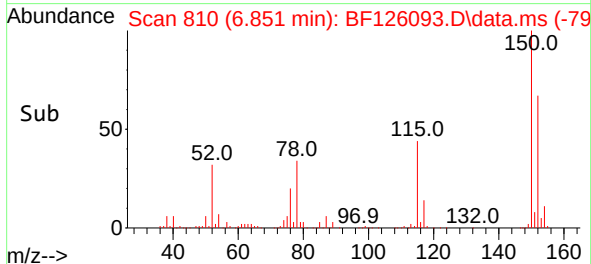
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B10-110621-10-20



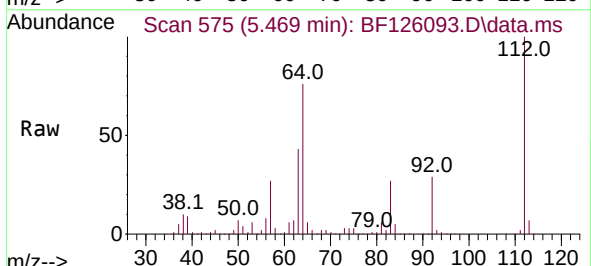
Tgt Ion:152 Resp: 178969  
Ion Ratio Lower Upper  
152 100  
150 149.0 117.6 176.4  
115 65.5 47.1 70.7

Manual Integrations  
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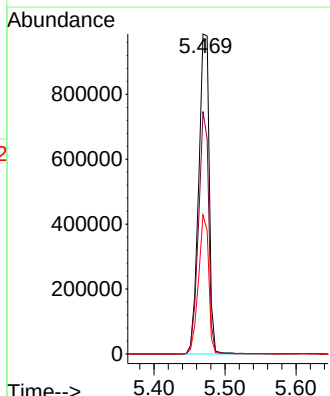
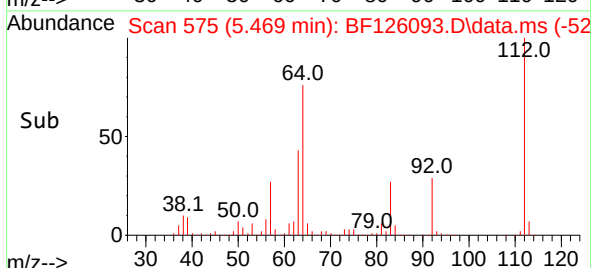
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021

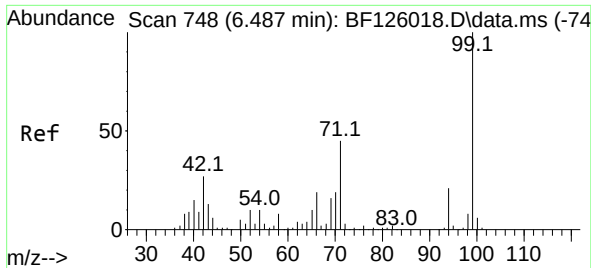


#5  
2-Fluorophenol  
Concen: 98.063 ng  
RT: 5.469 min Scan# 575  
Delta R.T. 0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30



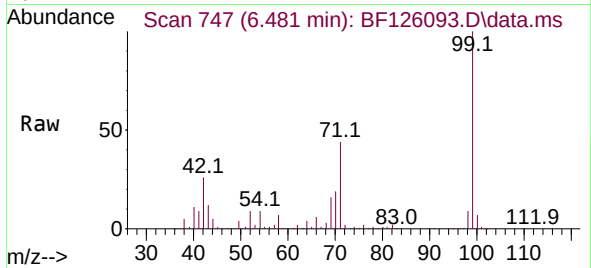
Tgt Ion:112 Resp: 1021978  
Ion Ratio Lower Upper  
112 100  
64 75.7 44.2 66.2#  
63 43.4 26.2 39.2#





#7  
Phenol-d6  
Concen: 89.072 ng  
RT: 6.481 min Scan# 748  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

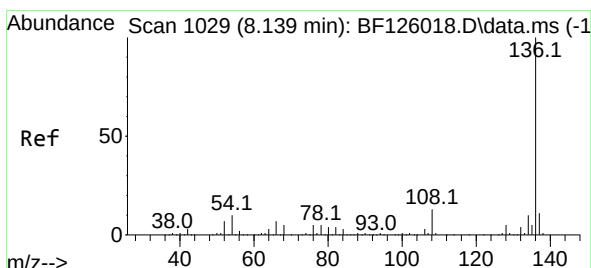
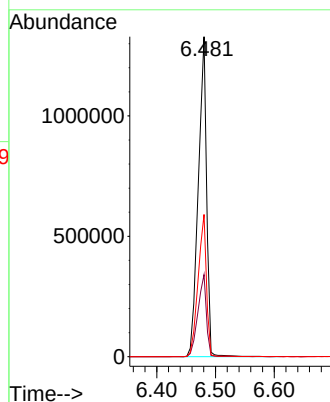
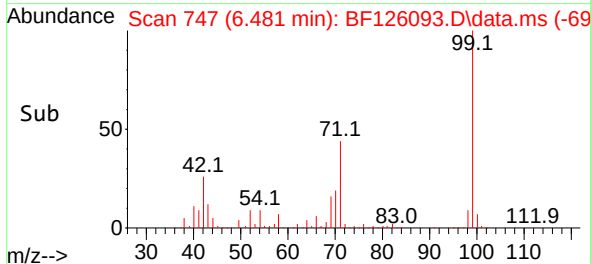
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 130857  
Ion Ratio Lower Upper  
99 100  
42 25.6 23.5 35.3  
71 44.5 25.6 38.4

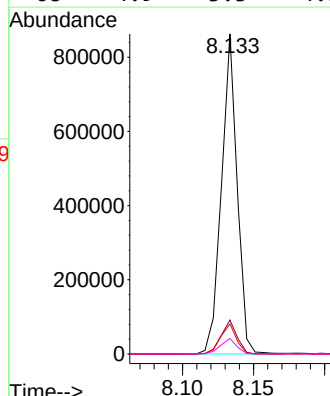
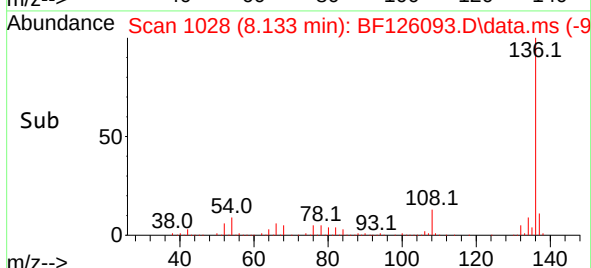
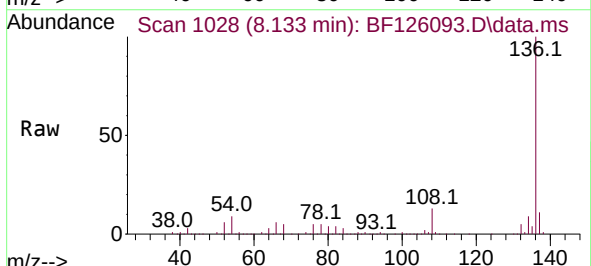
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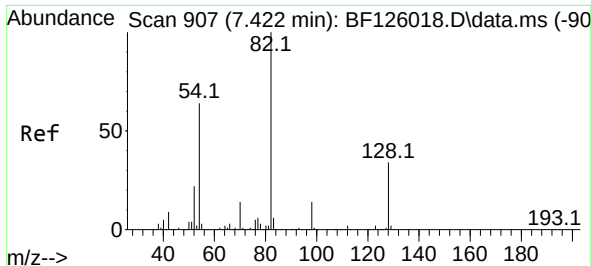
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.133 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

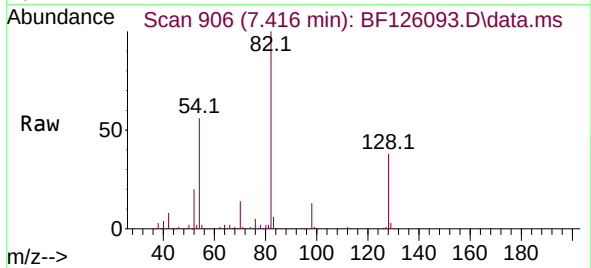
Tgt Ion:136 Resp: 661600  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.8 14.6  
54 9.4 6.4 9.6  
68 4.9 3.3 4.9





#23  
Nitrobenzene-d5  
Concen: 69.662 ng  
RT: 7.416 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

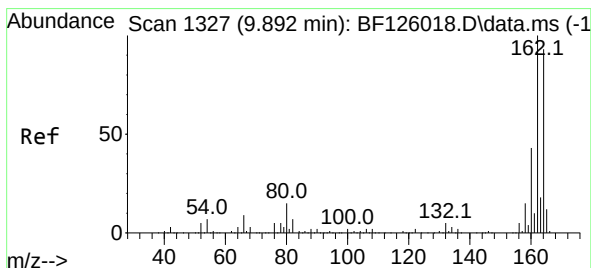
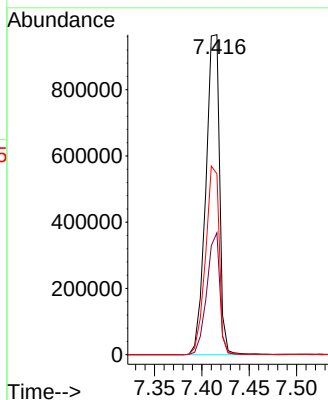
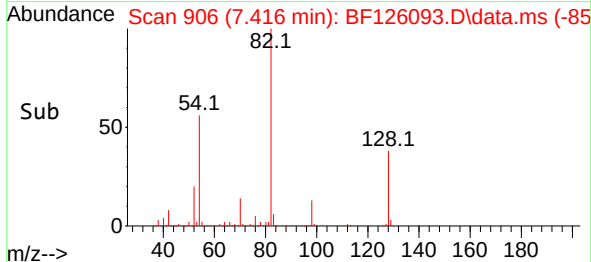
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B10-110621-10-20



Tgt Ion: 82 Resp: 977268  
Ion Ratio Lower Upper  
82 100  
128 38.1 40.6 60.8  
54 56.5 49.6 74.4

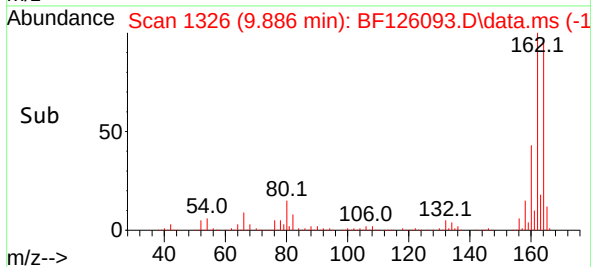
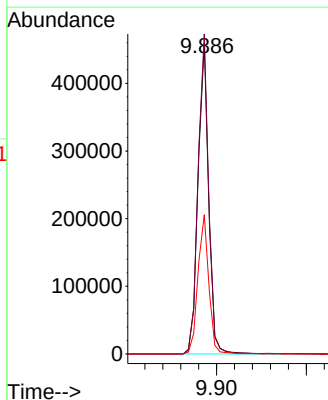
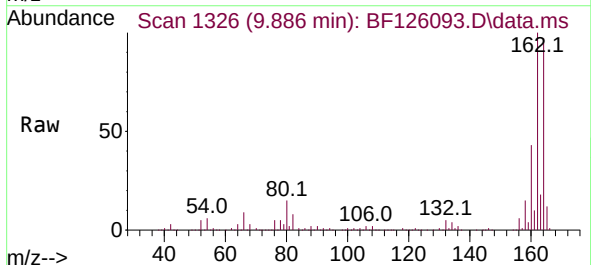
Manual Integrations  
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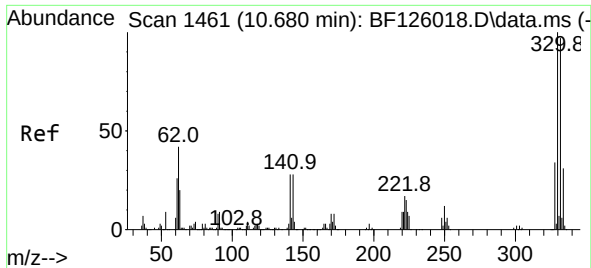
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

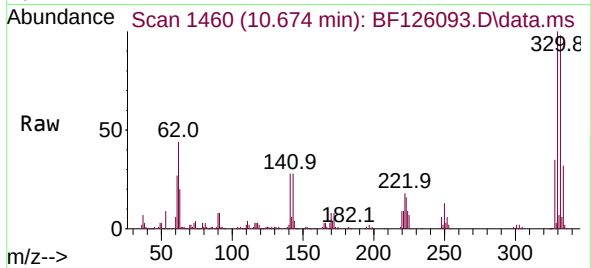
Tgt Ion:164 Resp: 376408  
Ion Ratio Lower Upper  
164 100  
162 103.1 81.3 121.9  
160 44.8 38.0 57.0





#42  
2,4,6-Tribromophenol  
Concen: 90.412 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

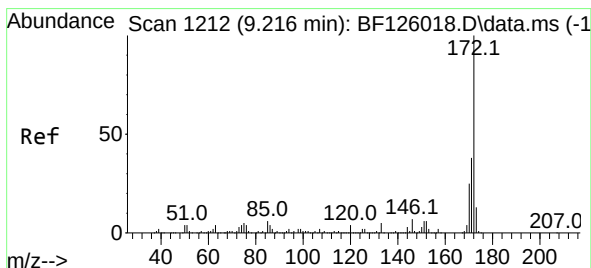
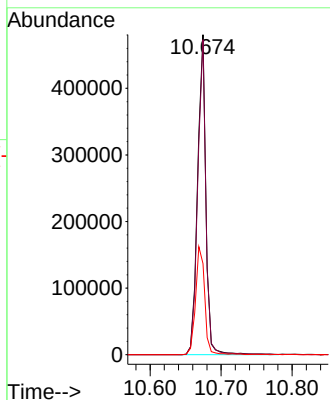
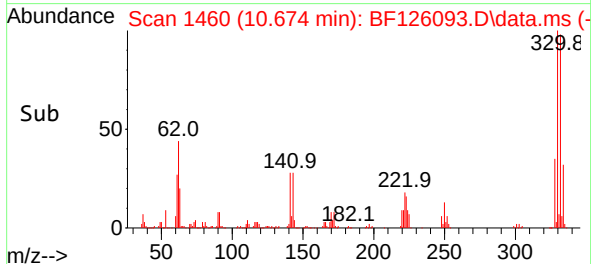
Instrument :  
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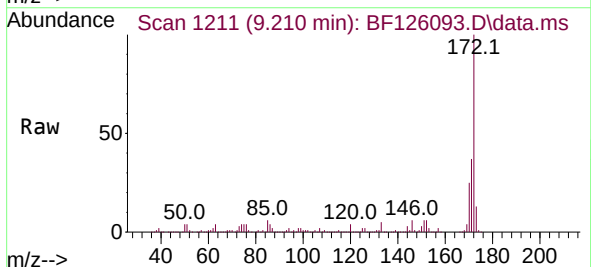
Tgt Ion:330 Resp: 390000  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.2 114.4  
141 37.3 44.6 66.8

Manual Integrations  
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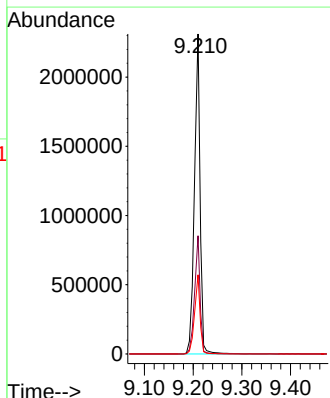
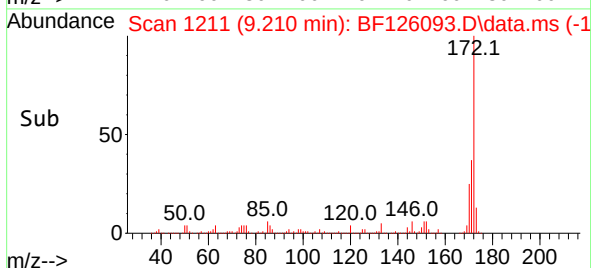
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021

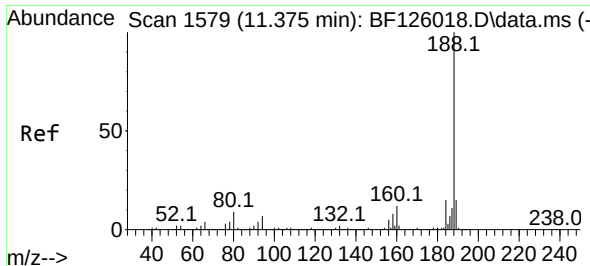


#45  
2-Fluorobiphenyl  
Concen: 67.716 ng  
RT: 9.210 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30



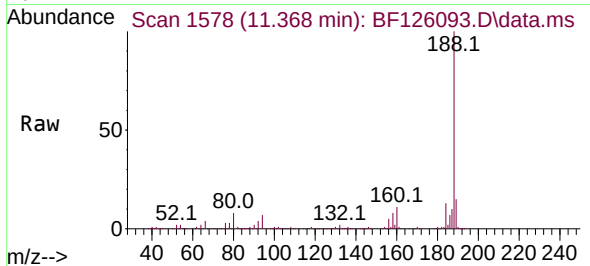
Tgt Ion:172 Resp: 1886153  
Ion Ratio Lower Upper  
172 100  
171 37.0 26.5 39.7  
170 24.7 18.8 28.2





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.368 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

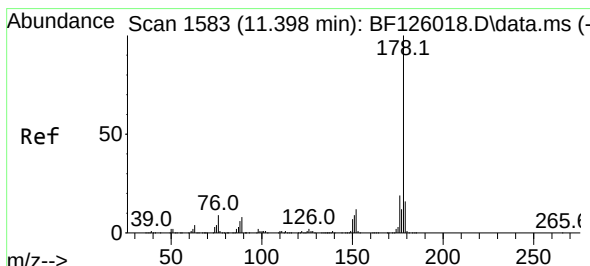
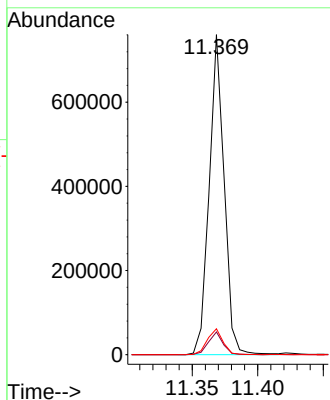
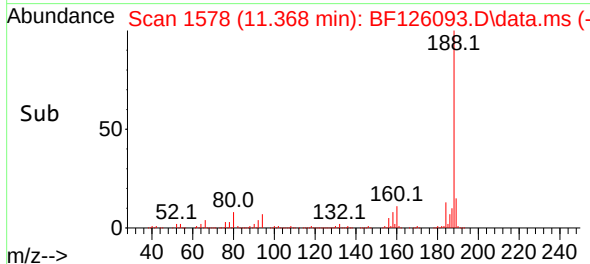
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B10-110621-10-20



Tgt Ion:188 Resp: 60512  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.7 10.1  
80 8.1 7.5 11.3

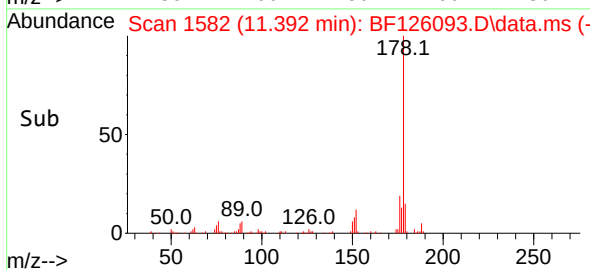
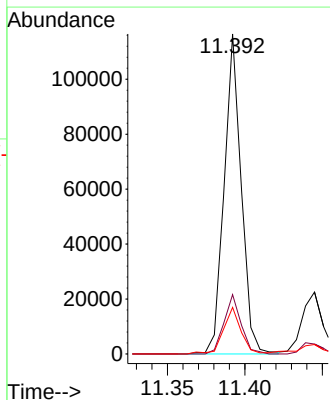
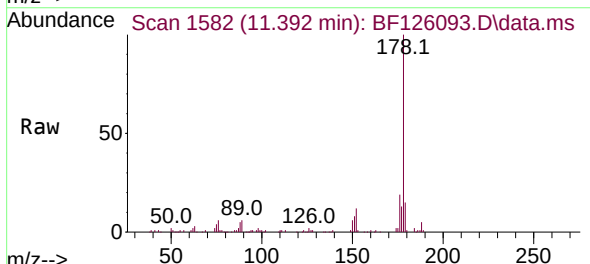
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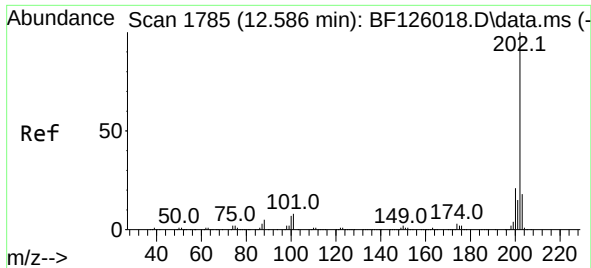
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021



#71  
Phenanthrene  
Concen: 2.720 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

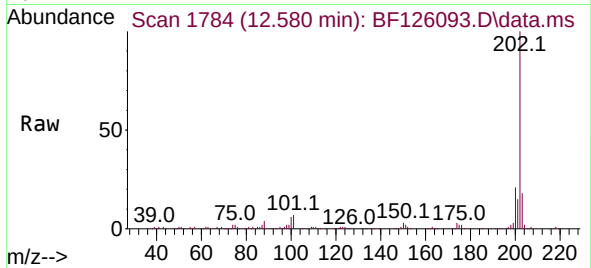
Tgt Ion:178 Resp: 89248  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.7 22.1  
179 14.5 11.5 17.3





#75  
Fluoranthene  
Concen: 3.437 ng  
RT: 12.580 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

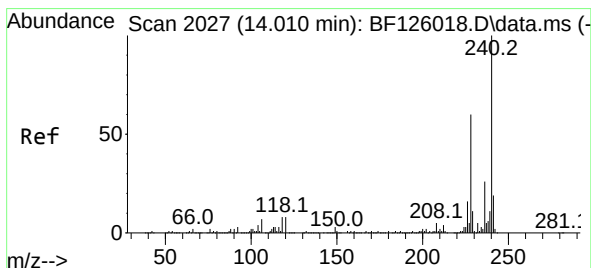
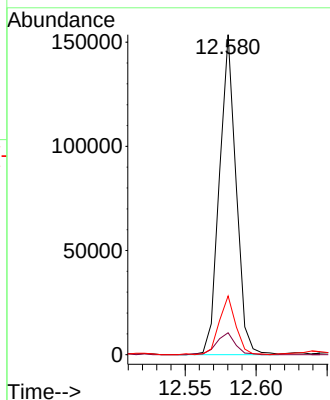
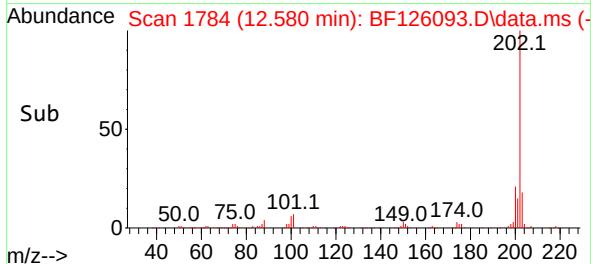
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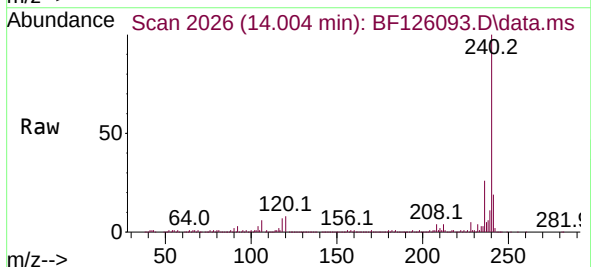
Tgt Ion:202 Resp: 12559  
Ion Ratio Lower Upper  
202 100  
101 6.8 0.0 30.7  
203 18.4 0.0 36.3

Manual Integrations  
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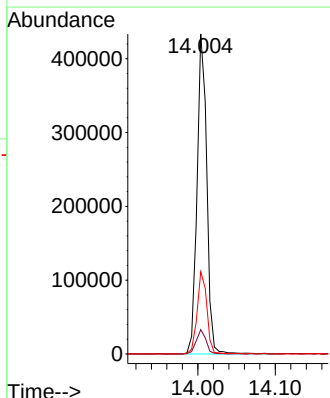
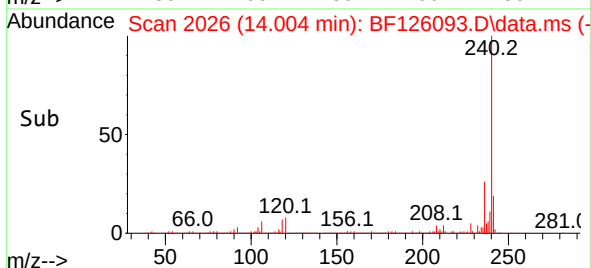
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021



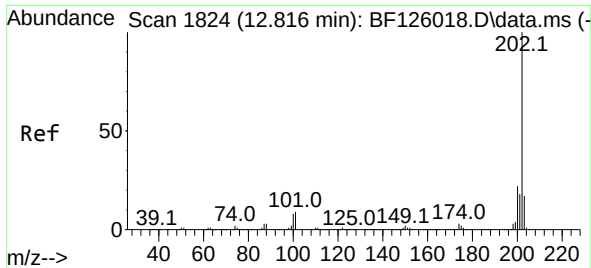
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30



Tgt Ion:240 Resp: 377813  
Ion Ratio Lower Upper  
240 100  
120 7.6 10.8 16.2#  
236 25.7 21.6 32.4

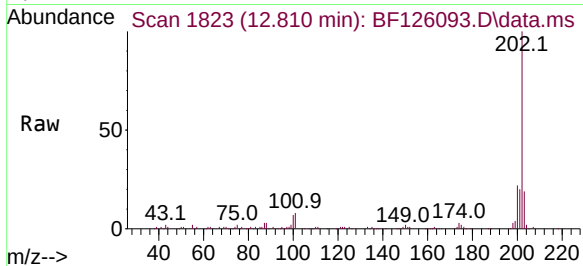






#78  
Pyrene  
Concen: 3.510 ng  
RT: 12.810 min Scan# 1823  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

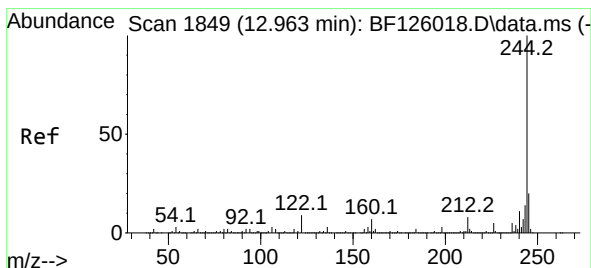
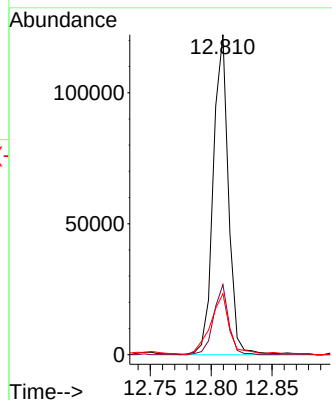
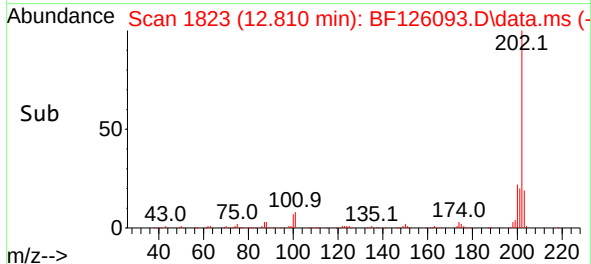
Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B10-110621-10-20



Tgt Ion:202 Resp: 106360  
Ion Ratio Lower Upper  
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200 21.9 15.3 22.9  
203 19.1 13.4 20.0

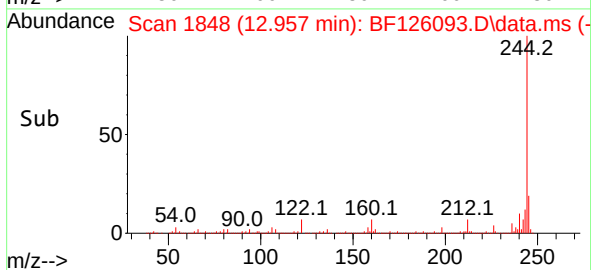
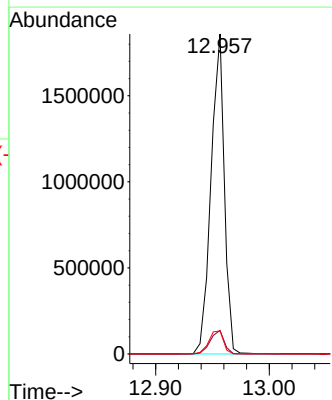
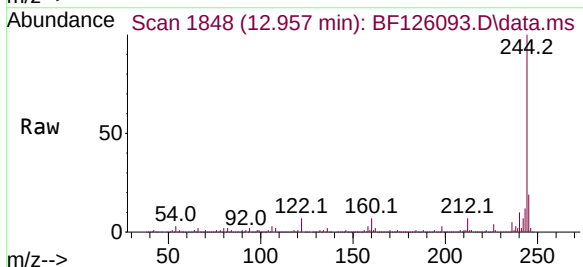
Manual Integrations  
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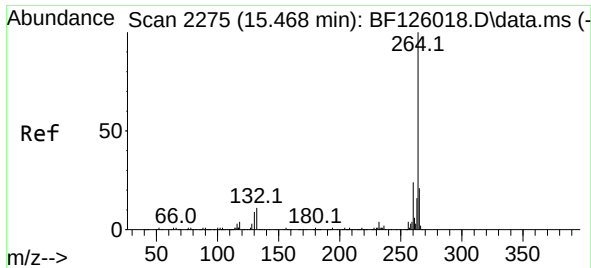
Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021



#79  
Terphenyl-d14  
Concen: 64.517 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

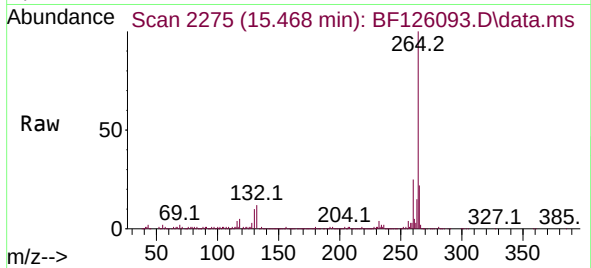
Tgt Ion:244 Resp: 1511616  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.9 8.9  
122 7.2 9.0 13.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 2275  
 Delta R.T. 0.000 min  
 Lab File: BF126093.D  
 Acq: 9 Nov 2021 21:30

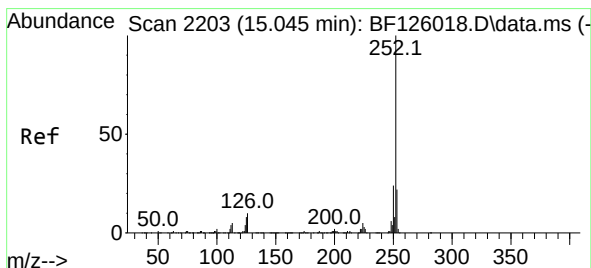
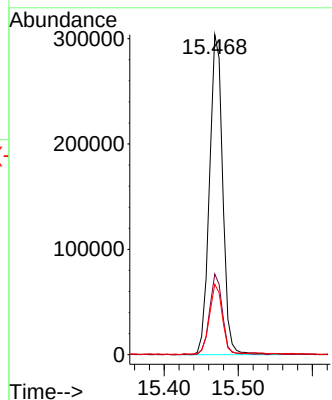
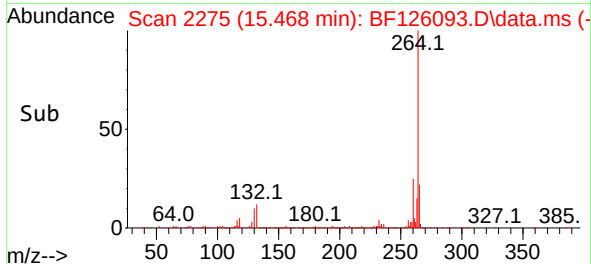
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VWE-B10-110621-10-20



Tgt Ion:264 Resp: 376664  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 19.6 29.4  
 265 22.0 17.2 25.8

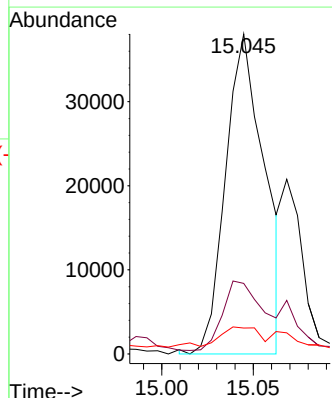
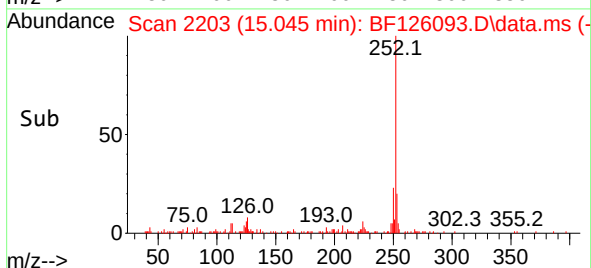
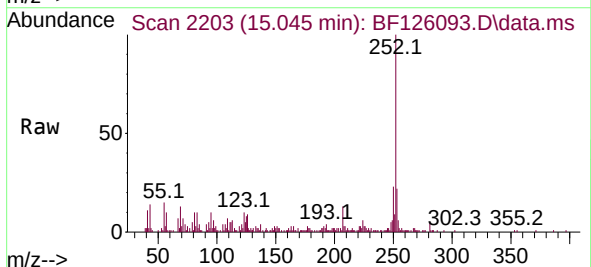
Manual Integrations  
 APPROVED

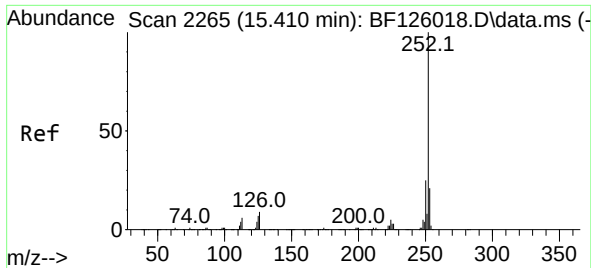
Reviewed By :Jagrut Upadhyay 11/10/2021  
 Supervised By :mohammad ahmed 11/11/2021



#88  
 Benzo(b)fluoranthene  
 Concen: 2.286 ng m  
 RT: 15.045 min Scan# 2203  
 Delta R.T. -0.000 min  
 Lab File: BF126093.D  
 Acq: 9 Nov 2021 21:30

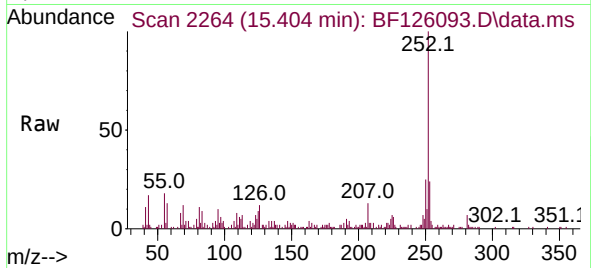
Tgt Ion:252 Resp: 56018  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 16.8 25.2  
 125 8.1 9.8 14.8#





#90  
Benzo(a)pyrene  
Concen: 2.130 ng m  
RT: 15.404 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF126093.D  
Acq: 9 Nov 2021 21:30

Instrument :  
BNA\_F  
ClientSampleId :  
VWE-B10-110621-10-20



Tgt Ion:252 Resp: 41109  
Ion Ratio Lower Upper  
252 100  
253 24.2 18.4 27.6  
125 9.0 9.9 14.9

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 11/10/2021  
Supervised By :mohammad ahmed 11/11/2021

