

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103123\  
 Data File : BM042525.D  
 Acq On : 31 Oct 2023 23:48  
 Operator : MA/JU  
 Sample : 04938-18DL 10X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0-3(5-10)DL

Quant Time: Nov 01 01:52:28 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 02:55:18 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023  
 Supervised By :mohammad ahmed 11/01/2023

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)   |
|-----------------------------|--------|------|----------|---------|-------|------------|
| -----                       |        |      |          |         |       |            |
| Internal Standards          |        |      |          |         |       |            |
| 1) 1,4-Dichlorobenzene-d4   | 7.922  | 152  | 64467    | 20.000  | ng    | 0.00       |
| 21) Naphthalene-d8          | 10.745 | 136  | 236593   | 20.000  | ng    | 0.00       |
| 39) Acenaphthene-d10        | 14.574 | 164  | 141328   | 20.000  | ng    | 0.00       |
| 64) Phenanthrene-d10        | 17.321 | 188  | 299781   | 20.000  | ng    | 0.00       |
| 76) Chrysene-d12            | 21.503 | 240  | 319833   | 20.000  | ng    | 0.00       |
| 86) Perylene-d12            | 23.927 | 264  | 367550   | 20.000  | ng    | 0.00       |
| System Monitoring Compounds |        |      |          |         |       |            |
| 5) 2-Fluorophenol           | 5.463  | 112  | 33744    | 8.448   | ng    | 0.00       |
| 7) Phenol-d6                | 7.093  | 99   | 46071    | 8.410   | ng    | 0.00       |
| 23) Nitrobenzene-d5         | 9.122  | 82   | 33999    | 6.699   | ng    | -0.01      |
| 42) 2,4,6-Tribromophenol    | 16.069 | 330  | 10630    | 5.761   | ng    | 0.00       |
| 45) 2-Fluorobiphenyl        | 13.192 | 172  | 74211    | 7.066   | ng    | 0.00       |
| 79) Terphenyl-d14           | 19.939 | 244  | 109951   | 5.829   | ng    | 0.00       |
| Target Compounds            |        |      |          |         |       |            |
| 31) Naphthalene             | 10.798 | 128  | 1340205  | 109.640 | ng    | Qvalue 100 |
| 37) 2-Methylnaphthalene     | 12.398 | 142  | 209355   | 24.319  | ng    | 97         |
| 38) 1-Methylnaphthalene     | 12.616 | 142  | 131535m  | 16.233  | ng    |            |
| -----                       |        |      |          |         |       |            |

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

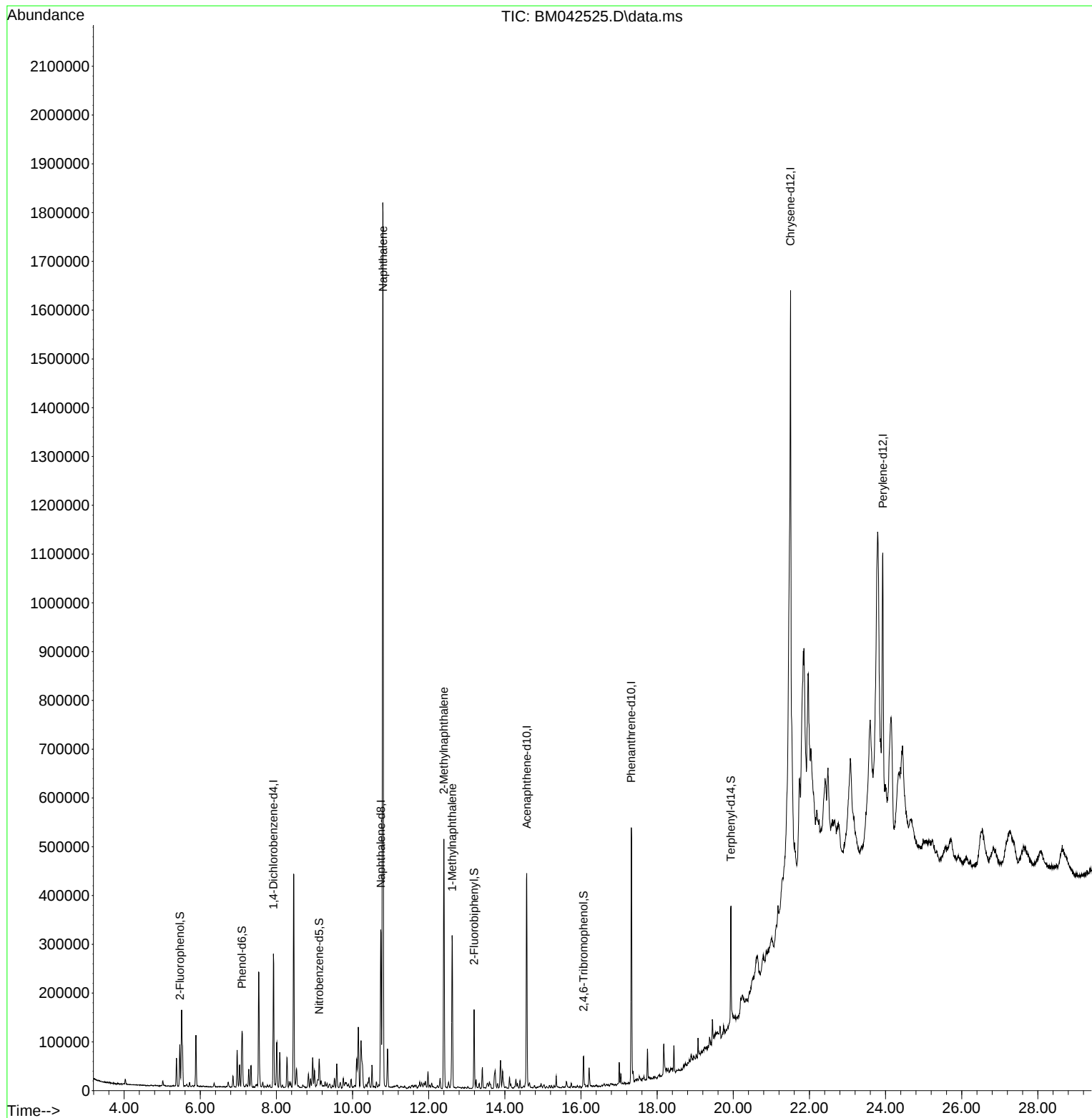
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM103123\  
Data File : BM042525.D  
Acq On : 31 Oct 2023 23:48  
Operator : MA/JU  
Sample : 04938-18DL 10X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

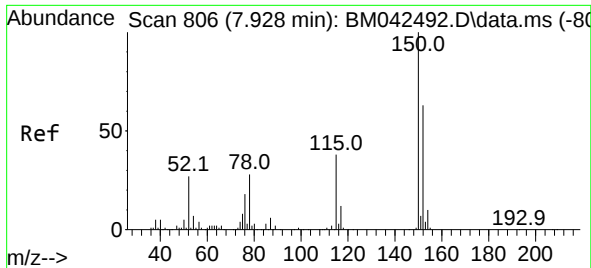
Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL

Quant Time: Nov 01 01:52:28 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 31 02:55:18 2023  
Response via : Initial Calibration

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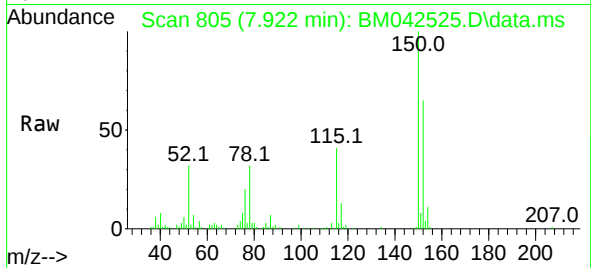
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023





1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.922 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

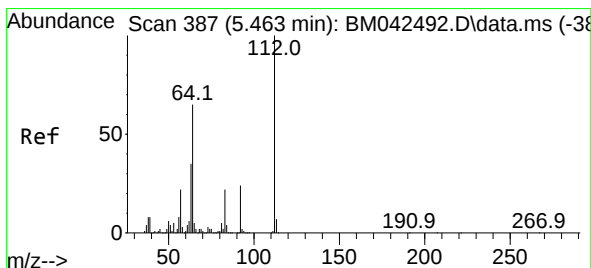
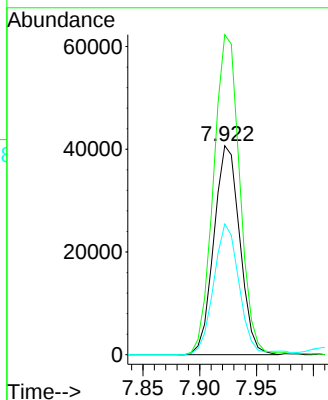
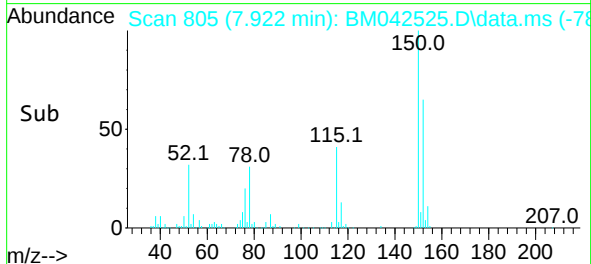
Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL



Tgt Ion:152 Resp: 6446  
Ion Ratio Lower Upper  
152 100  
150 153.2 127.4 191.0  
115 62.6 47.9 71.9

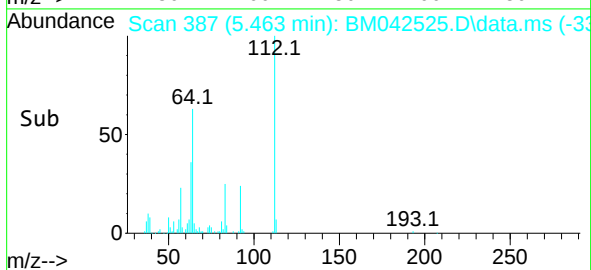
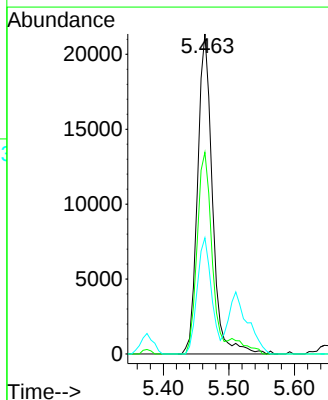
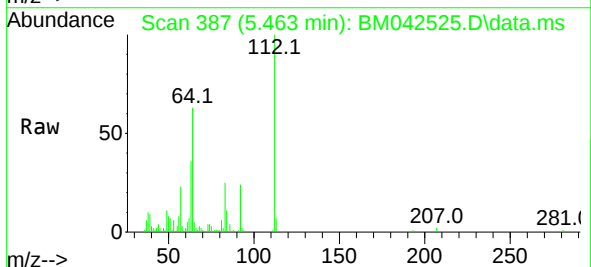
Manual Integrations  
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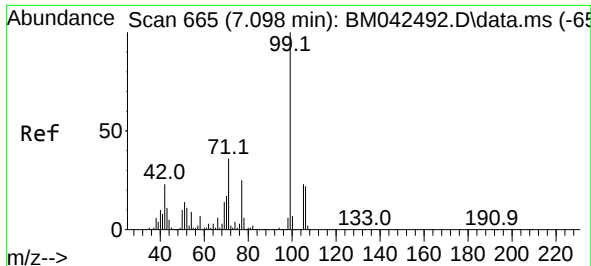
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023



#5  
2-Fluorophenol  
Concen: 8.448 ng  
RT: 5.463 min Scan# 387  
Delta R.T. 0.000 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

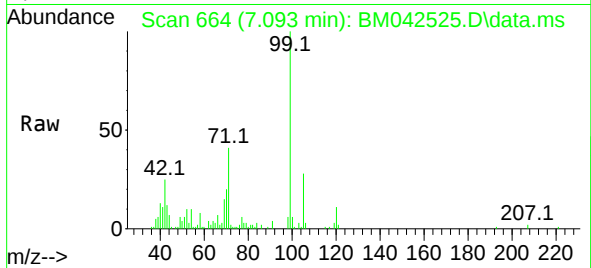
Tgt Ion:112 Resp: 33744  
Ion Ratio Lower Upper  
112 100  
64 63.0 52.1 78.1  
63 36.3 28.3 42.5





#7  
Phenol-d6  
Concen: 8.410 ng  
RT: 7.093 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

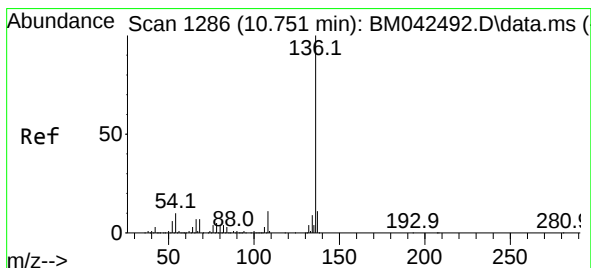
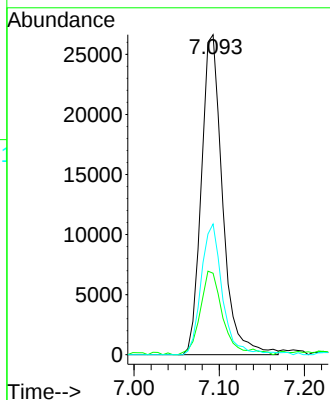
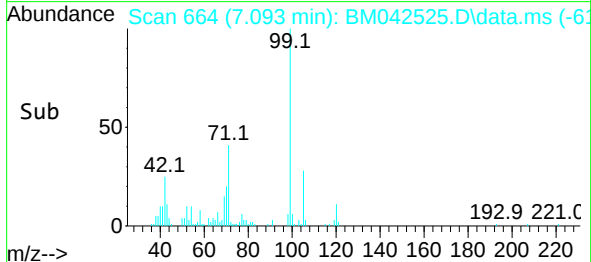
Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL



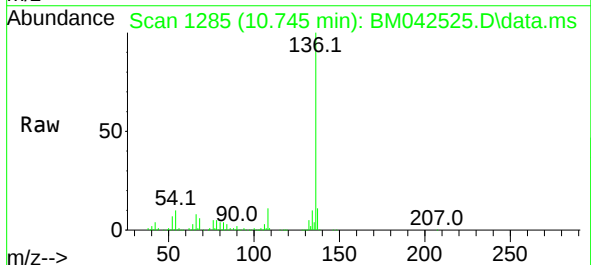
Tgt Ion: 99 Resp: 4607  
Ion Ratio Lower Upper  
99 100  
42 25.5 18.7 28.1  
71 40.9 29.1 43.7

Manual Integrations  
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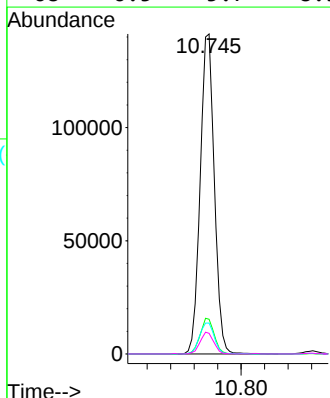
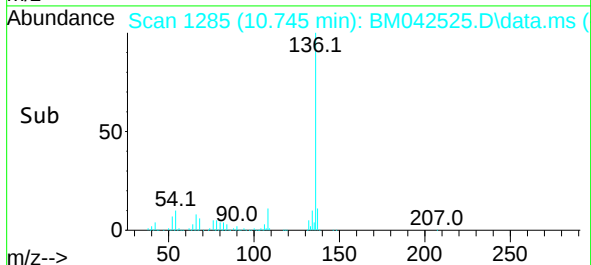
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023

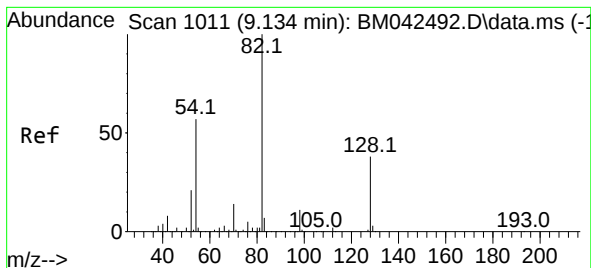


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.745 min Scan# 1285  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48



Tgt Ion:136 Resp: 236593  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.6  
54 9.6 8.0 12.0  
68 6.5 5.7 8.5





#23

Nitrobenzene-d5

Concen: 6.699 ng

RT: 9.122 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Instrument :

BNA\_M

ClientSampleId :

0-3(5-10)DL

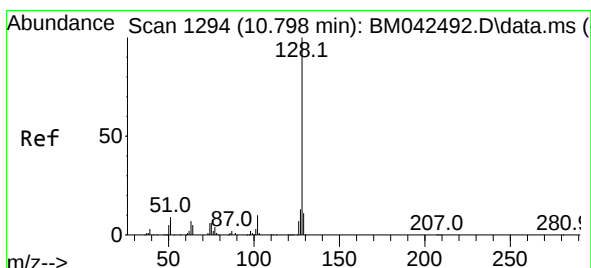
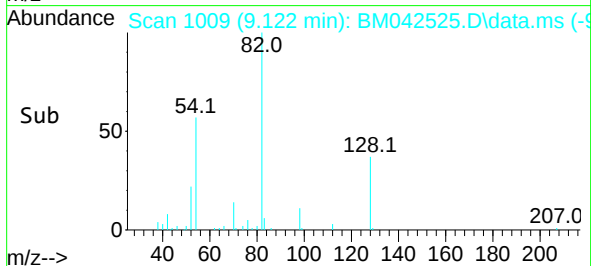
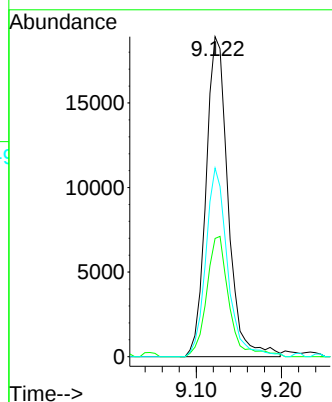
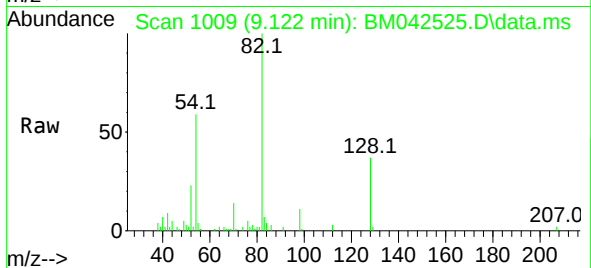
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3399 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 36.9  | 30.7  | 46.1 |
| 54        | 59.0  | 45.3  | 67.9 |

Manual Integrations

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Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#31

Naphthalene

Concen: 109.640 ng

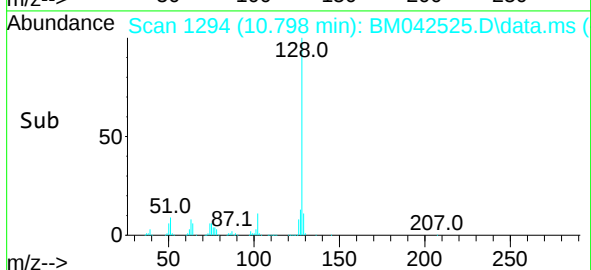
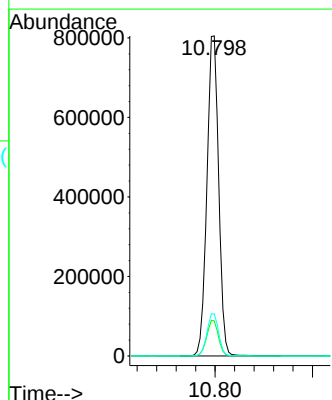
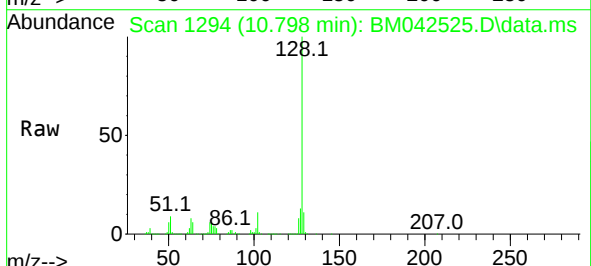
RT: 10.798 min Scan# 1294

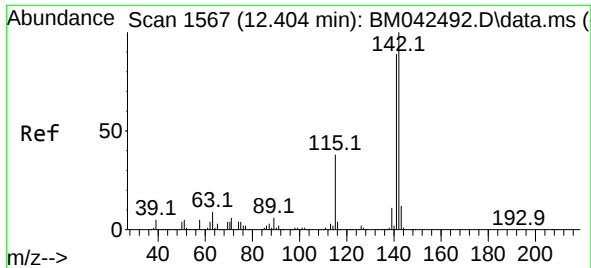
Delta R.T. 0.000 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 128   | Resp: | 1340205 |
| Ion Ratio | Lower | Upper |         |
| 128       | 100   |       |         |
| 129       | 10.9  | 8.8   | 13.2    |
| 127       | 13.1  | 10.6  | 15.8    |





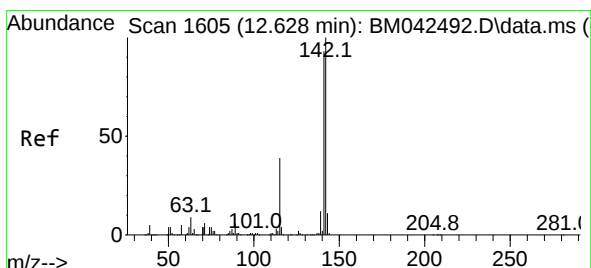
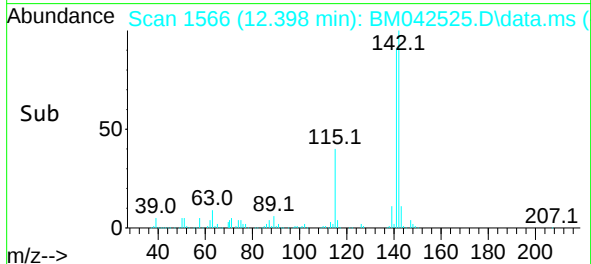
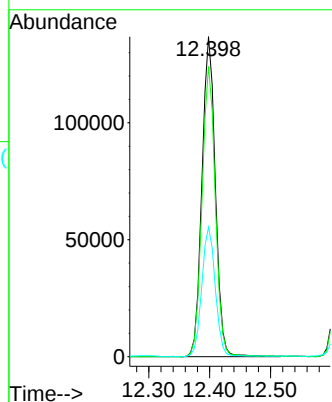
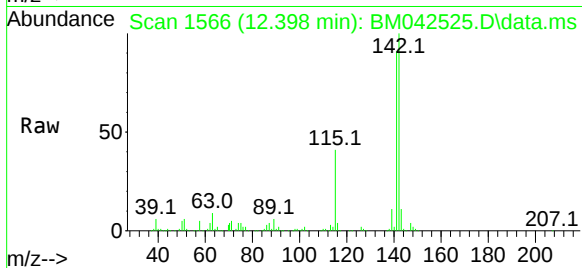
#37  
2-Methylnaphthalene  
Concen: 24.319 ng  
RT: 12.398 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL

Tgt Ion:142 Resp: 20935  
Ion Ratio Lower Upper  
142 100  
141 90.6 70.9 106.3  
115 40.5 30.2 45.2

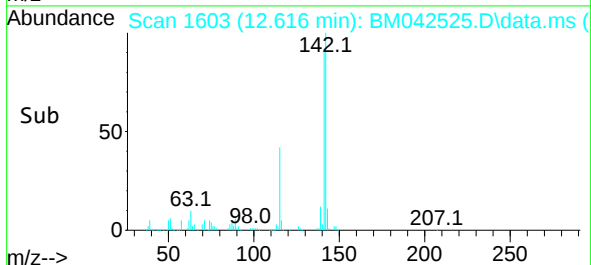
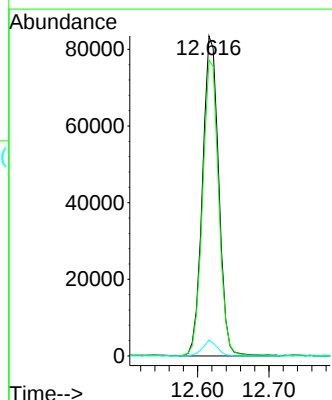
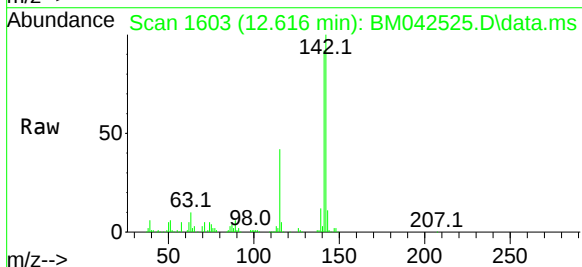
Manual Integrations  
APPROVED

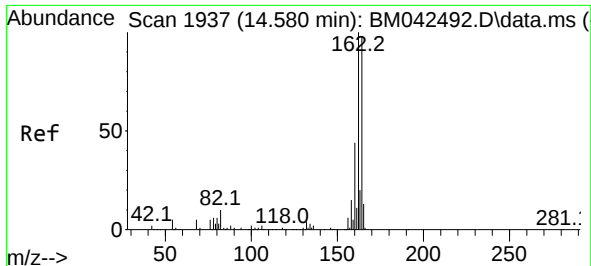
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023



#38  
1-Methylnaphthalene  
Concen: 16.233 ng m  
RT: 12.616 min Scan# 1603  
Delta R.T. -0.012 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

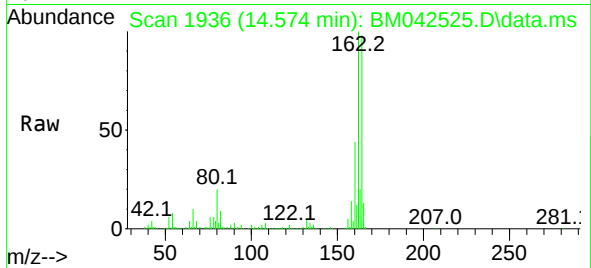
Tgt Ion:142 Resp: 131535  
Ion Ratio Lower Upper  
142 100  
141 92.5 74.4 111.6  
116 5.0 3.2 4.8#





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1936  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

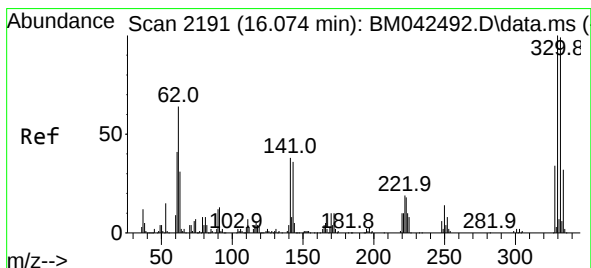
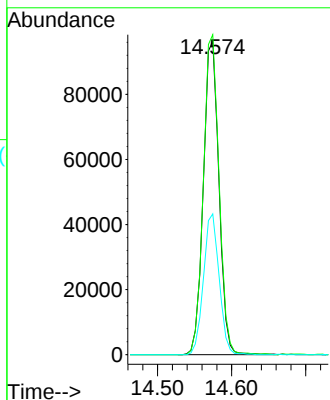
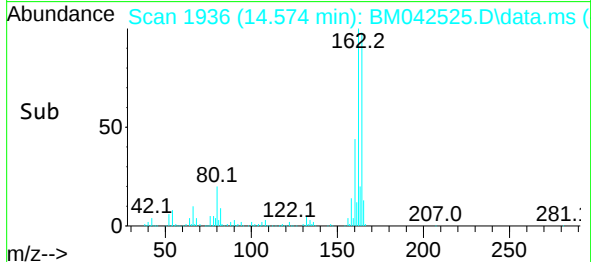
Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL



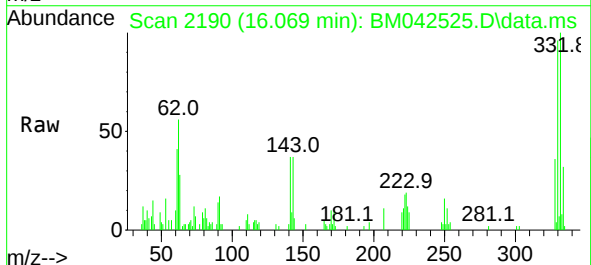
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Ion Ratio Lower Upper  
164 100  
162 102.1 81.6 122.4  
160 44.9 36.2 54.4

Manual Integrations  
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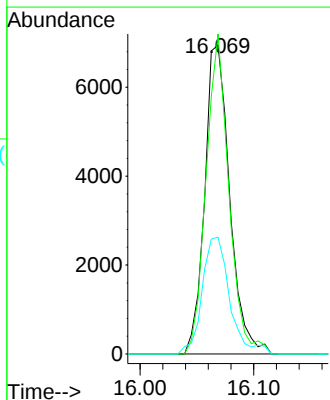
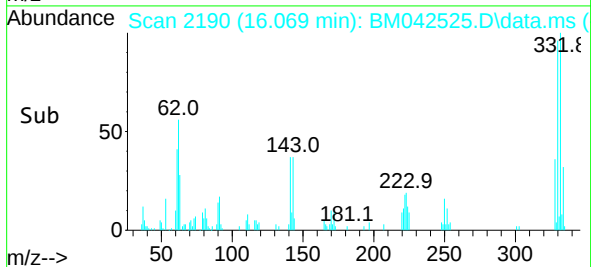
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023

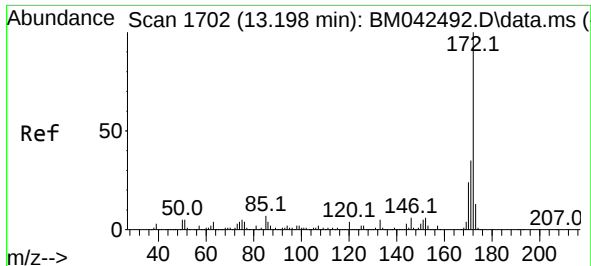


#42  
2,4,6-Tribromophenol  
Concen: 5.761 ng  
RT: 16.069 min Scan# 2190  
Delta R.T. -0.005 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48



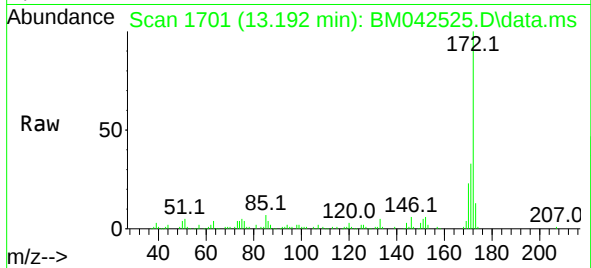
Tgt Ion:330 Resp: 10630  
Ion Ratio Lower Upper  
330 100  
332 94.6 78.8 118.2  
141 41.4 31.1 46.7





#45  
2-Fluorobiphenyl  
Concen: 7.066 ng  
RT: 13.192 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

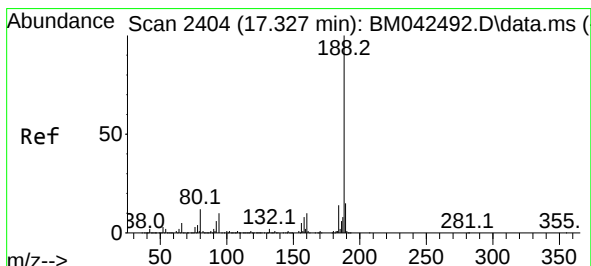
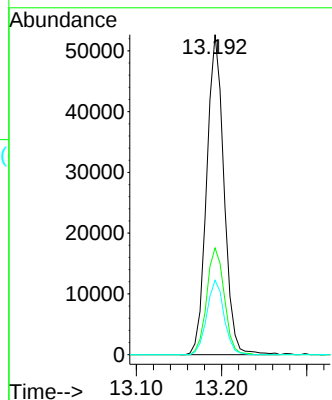
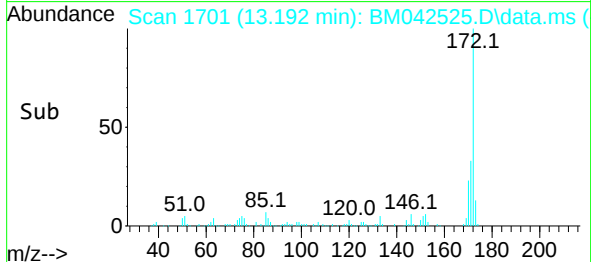
Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL



Tgt Ion:172 Resp: 7421  
Ion Ratio Lower Upper  
172 100  
171 33.4 28.2 42.2  
170 23.3 19.0 28.4

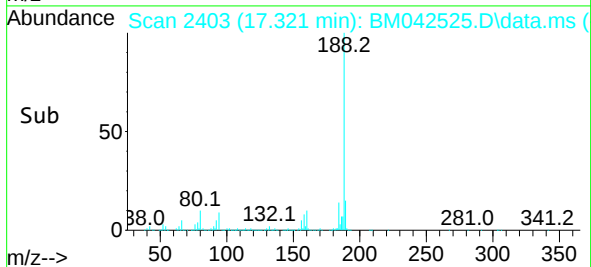
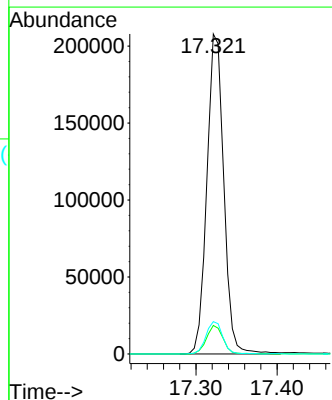
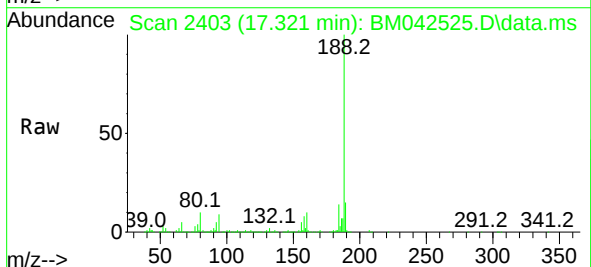
Manual Integrations  
APPROVED

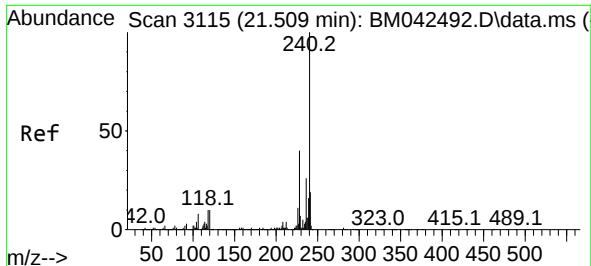
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.321 min Scan# 2403  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

Tgt Ion:188 Resp: 299781  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.2 12.4  
80 10.1 9.4 14.2





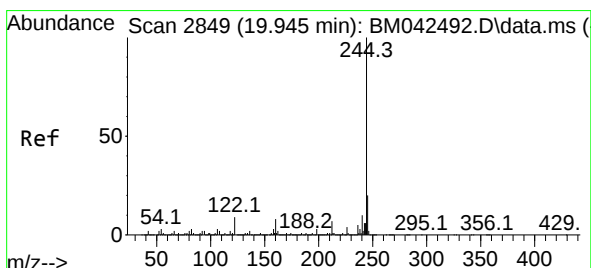
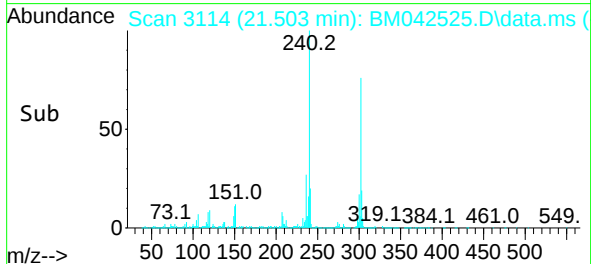
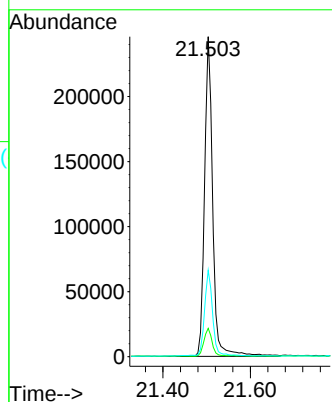
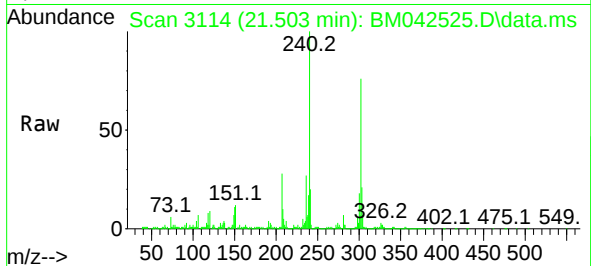
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Chrysene-d12  
Concen: 20.000 ng  
RT: 21.503 min Scan# 3115  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

Instrument :  
BNA\_M  
ClientSampleId :  
0-3(5-10)DL

Tgt Ion:240 Resp: 31983  
Ion Ratio Lower Upper  
240 100  
120 8.8 8.3 12.5  
236 27.0 20.8 31.2

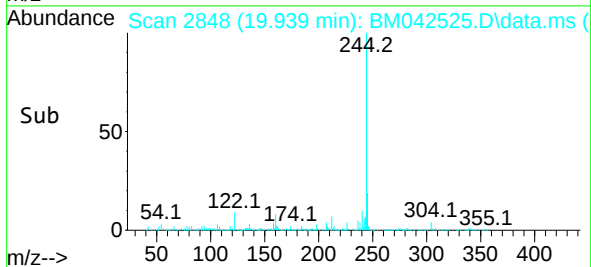
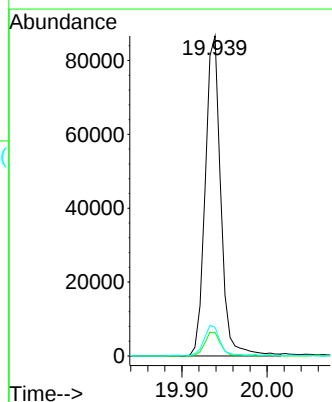
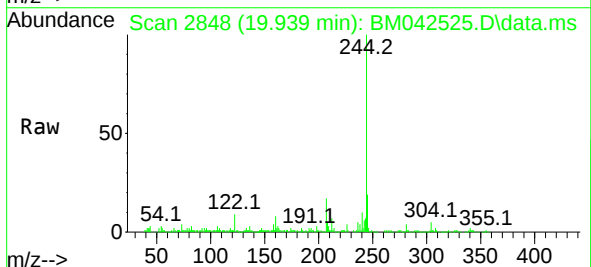
Manual Integrations  
APPROVED

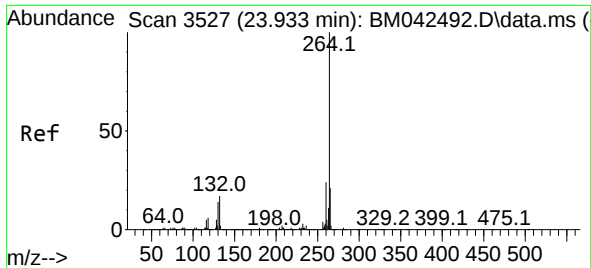
Reviewed By :Yogesh Patel 11/01/2023  
Supervised By :mohammad ahmed 11/01/2023



#79  
Terphenyl-d14  
Concen: 5.829 ng  
RT: 19.939 min Scan# 2848  
Delta R.T. -0.006 min  
Lab File: BM042525.D  
Acq: 31 Oct 2023 23:48

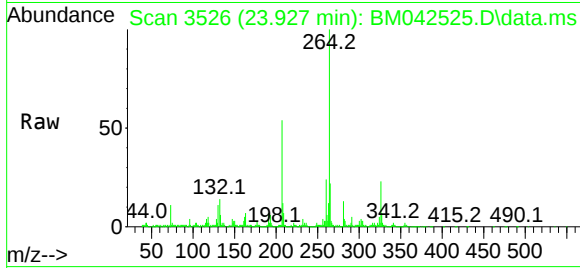
Tgt Ion:244 Resp: 109951  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.4 8.2  
122 9.0 7.2 10.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.927 min Scan# 30  
 Delta R.T. -0.006 min  
 Lab File: BM042525.D  
 Acq: 31 Oct 2023 23:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 0-3(5-10)DL



Tgt Ion:264 Resp: 367550  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.0 28.4  
 265 22.2 18.7 28.1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023  
 Supervised By :mohammad ahmed 11/01/2023

