

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102125\  
 Data File : BF144029.D  
 Acq On : 21 Oct 2025 23:22  
 Operator : RC/JU  
 Sample : Q3376-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PR132-DP01-20251016

Quant Time: Oct 22 11:13:59 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Rahul Chavli 10/22/2025  
 Supervised By :Jagrut Upadhyay 10/22/2025

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|-------|-----------|
| -----                       |        |      |          |        |       |           |
| Internal Standards          |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.881  | 152  | 102606   | 20.000 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.163  | 136  | 370185   | 20.000 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.922  | 164  | 182853   | 20.000 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.410 | 188  | 276992   | 20.000 | ng    | 0.00      |
| 76) Chrysene-d12            | 14.063 | 240  | 261924   | 20.000 | ng    | 0.00      |
| 86) Perylene-d12            | 15.545 | 264  | 301622   | 20.000 | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.498  | 112  | 575295   | 89.036 | ng    | 0.00      |
| 7) Phenol-d6                | 6.504  | 99   | 664885   | 86.330 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.440  | 82   | 368882   | 60.541 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 134570   | 73.889 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 9.239  | 172  | 636031   | 55.193 | ng    | -0.01     |
| 79) Terphenyl-d14           | 12.998 | 244  | 591870   | 38.620 | ng    | -0.01     |
| Target Compounds            |        |      |          |        |       |           |
| 75) Fluoranthene            | 12.633 | 202  | 47766    | 3.444  | ng    | Qvalue 96 |
| 78) Pyrene                  | 12.857 | 202  | 57672m   | 2.641  | ng    |           |
| 88) Benzo(b)fluoranthene    | 15.110 | 252  | 34880m   | 2.013  | ng    |           |
| -----                       |        |      |          |        |       |           |

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

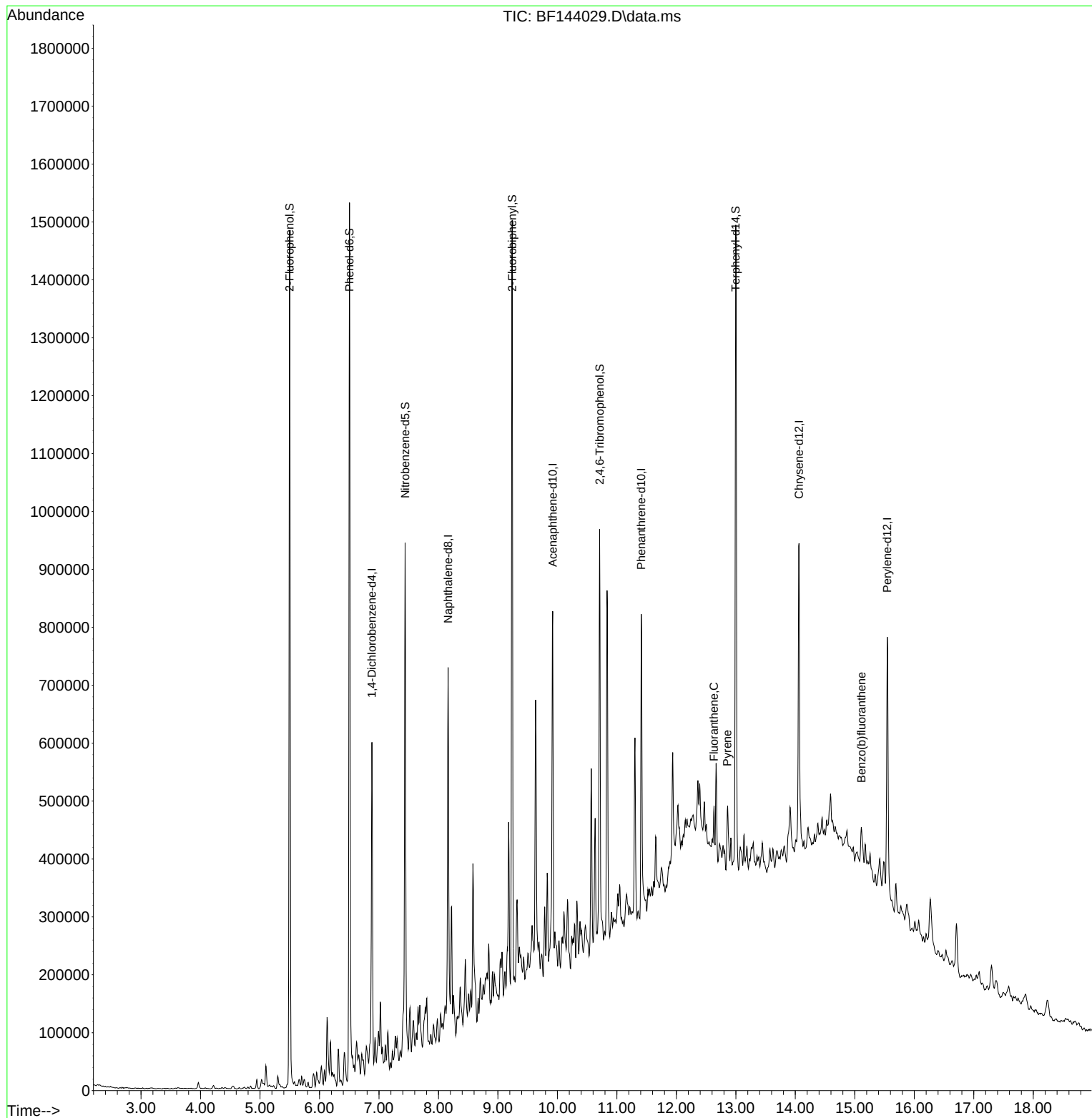
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102125\  
Data File : BF144029.D  
Acq On : 21 Oct 2025 23:22  
Operator : RC/JU  
Sample : Q3376-02  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

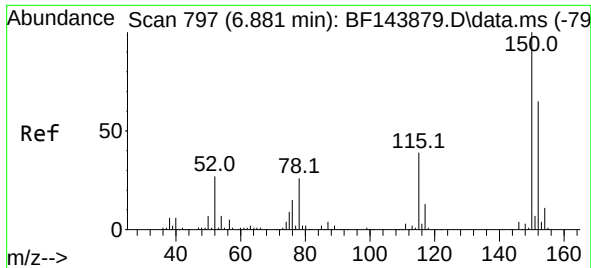
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-DP01-20251016

Quant Time: Oct 22 11:13:59 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 06 15:29:47 2025  
Response via : Initial Calibration

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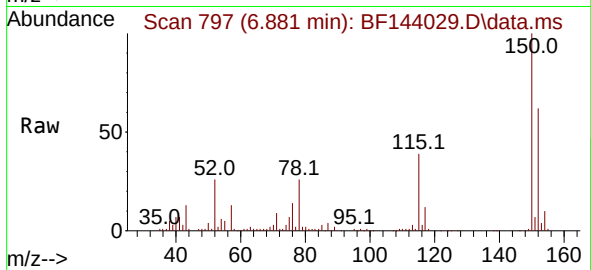
Reviewed By :Rahul Chavli 10/22/2025  
Supervised By :Jagrut Upadhyay 10/22/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 797  
Delta R.T. -0.005 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

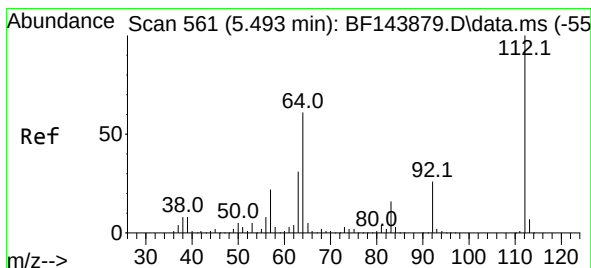
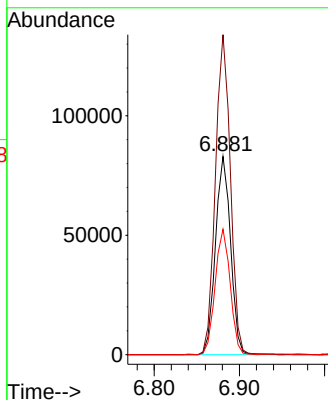
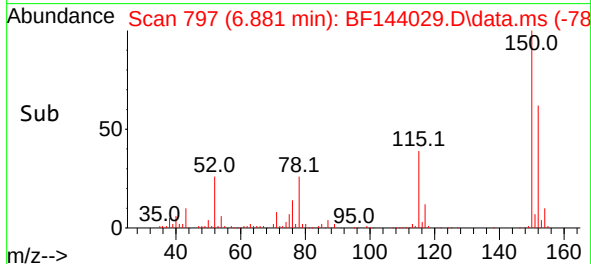
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-DP01-20251016



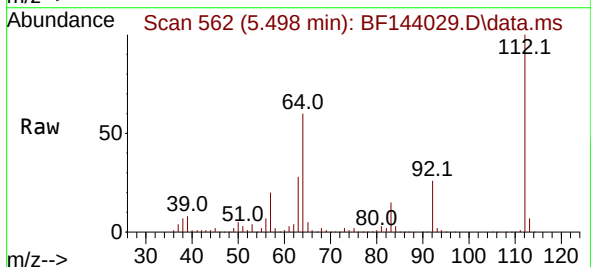
Tgt Ion:152 Resp: 102600  
Ion Ratio Lower Upper  
152 100  
150 161.4 124.4 186.6  
115 63.3 48.1 72.1

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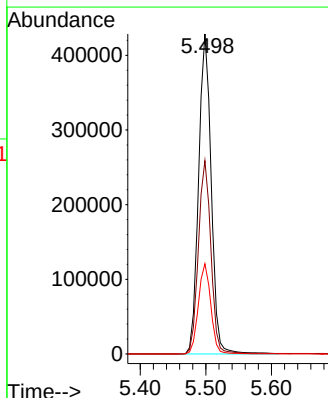
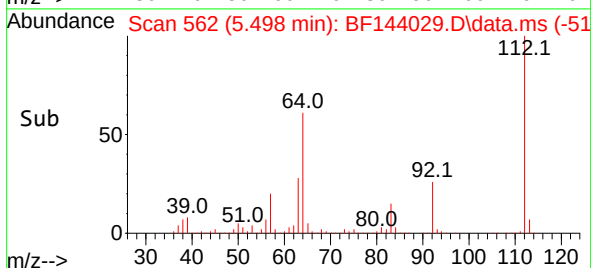
Reviewed By :Rahul Chavli 10/22/2025  
Supervised By :Jagrut Upadhyay 10/22/2025

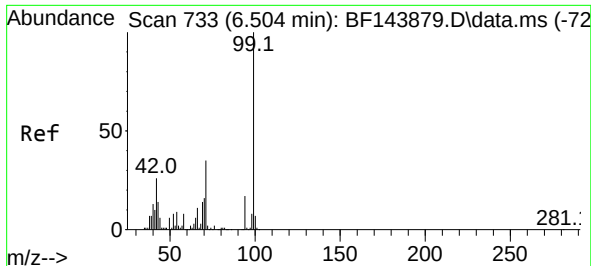


#5  
2-Fluorophenol  
Concen: 89.036 ng  
RT: 5.498 min Scan# 562  
Delta R.T. 0.000 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22



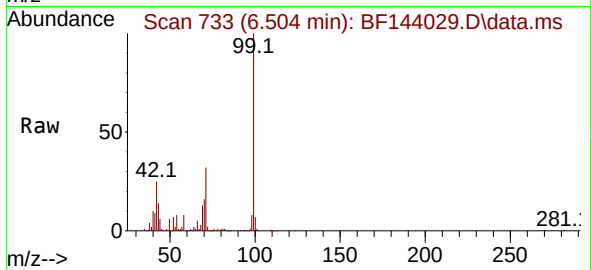
Tgt Ion:112 Resp: 575295  
Ion Ratio Lower Upper  
112 100  
64 60.4 49.1 73.7  
63 28.2 24.5 36.7





#7  
Phenol-d6  
Concen: 86.330 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

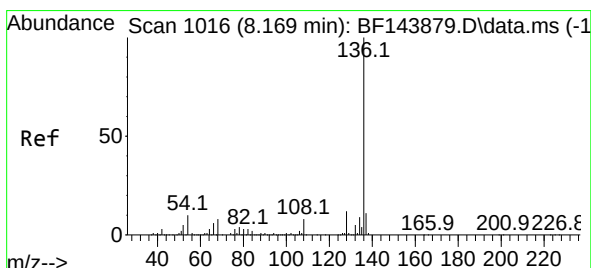
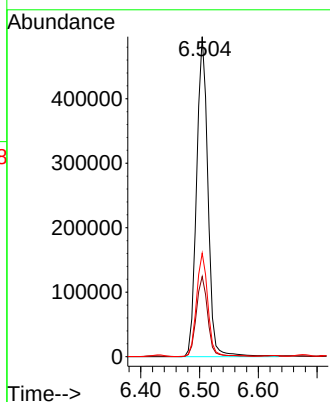
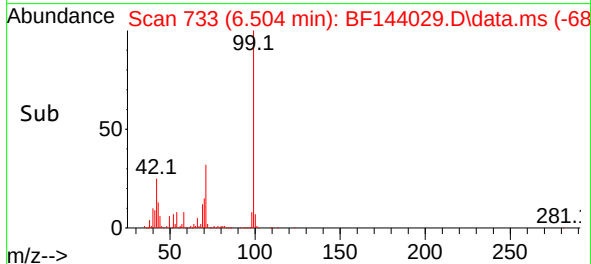
Instrument :  
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PR132-DP01-20251016



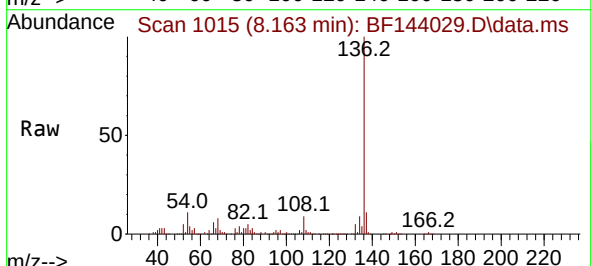
Tgt Ion: 99 Resp: 66488  
Ion Ratio Lower Upper  
99 100  
42 25.0 21.0 31.4  
71 32.3 27.8 41.8

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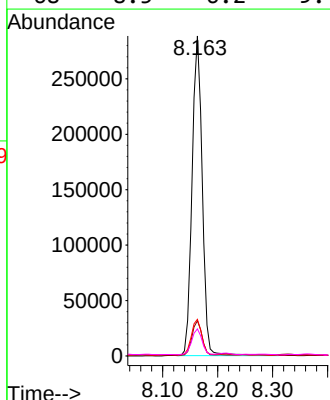
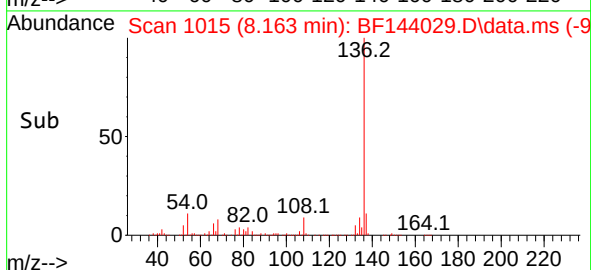
Reviewed By :Rahul Chavli 10/22/2025  
Supervised By :Jagrut Upadhyay 10/22/2025

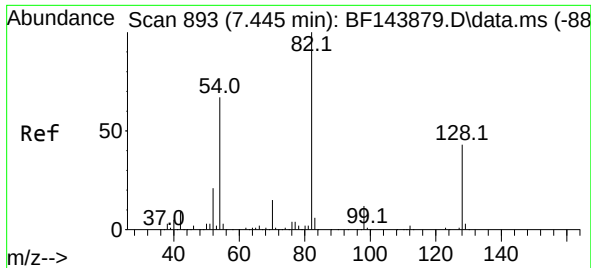


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1015  
Delta R.T. -0.006 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22



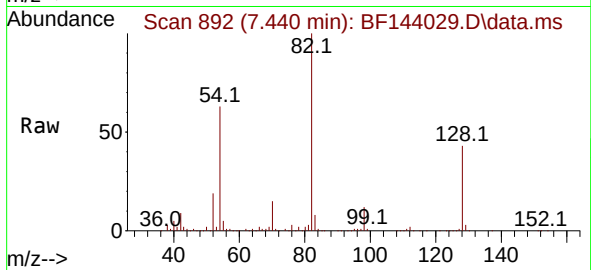
Tgt Ion:136 Resp: 370185  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.5 12.7  
54 11.4 8.2 12.4  
68 8.5 6.2 9.4





#23  
Nitrobenzene-d5  
Concen: 60.541 ng  
RT: 7.440 min Scan# 893  
Delta R.T. -0.017 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

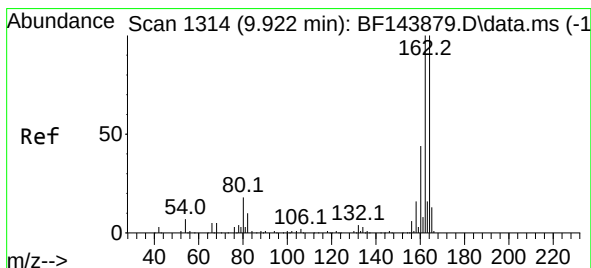
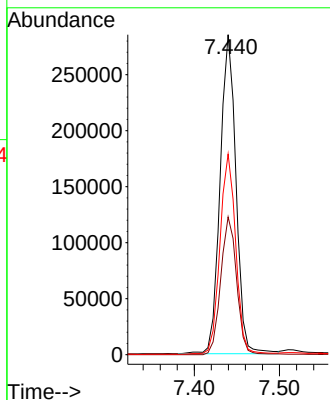
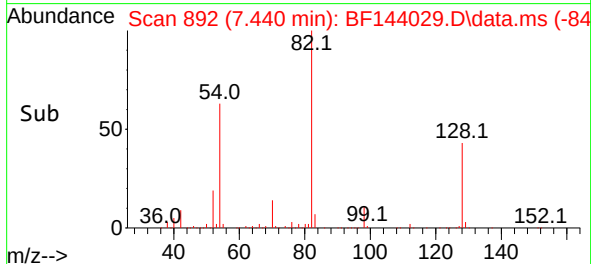
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-DP01-20251016



Tgt Ion: 82 Resp: 36888  
Ion Ratio Lower Upper  
82 100  
128 43.0 34.0 51.0  
54 62.7 53.2 79.8

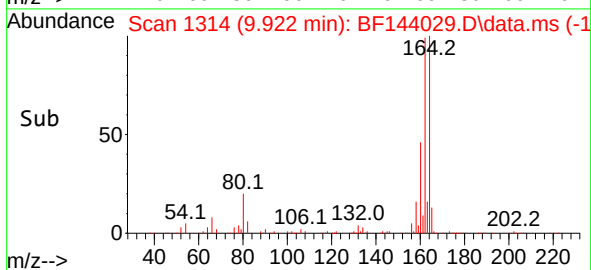
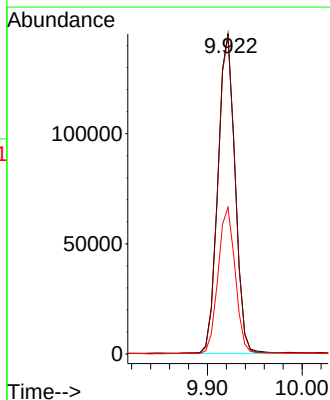
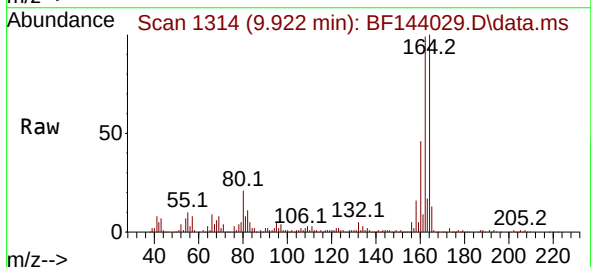
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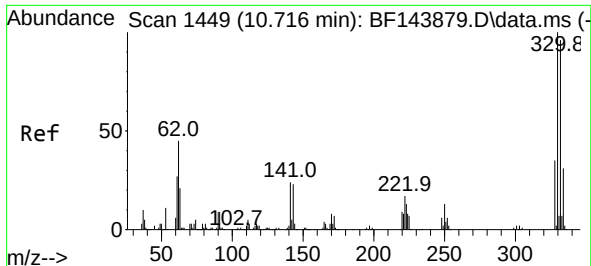
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Supervised By :Jagrut Upadhyay 10/22/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1314  
Delta R.T. -0.005 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

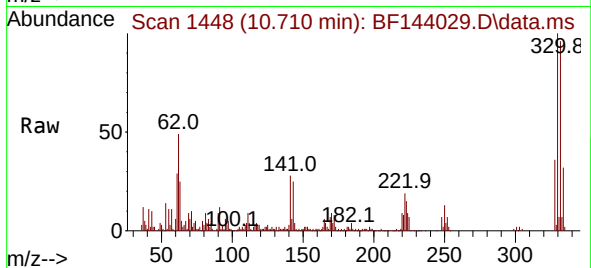
Tgt Ion:164 Resp: 182853  
Ion Ratio Lower Upper  
164 100  
162 99.2 80.2 120.2  
160 45.8 35.4 53.0





#42  
2,4,6-Tribromophenol  
Concen: 73.889 ng  
RT: 10.710 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

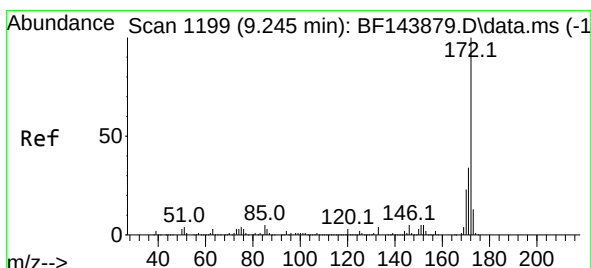
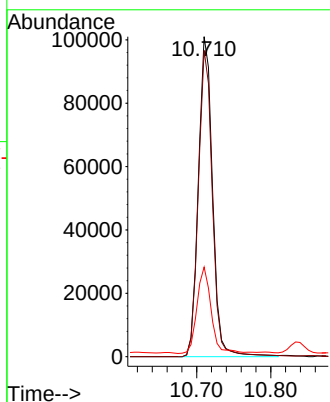
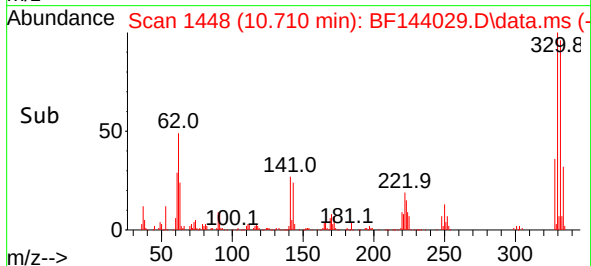
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-DP01-20251016



Tgt Ion:330 Resp: 134570  
Ion Ratio Lower Upper  
330 100  
332 95.1 76.9 115.3  
141 27.0 20.2 30.4

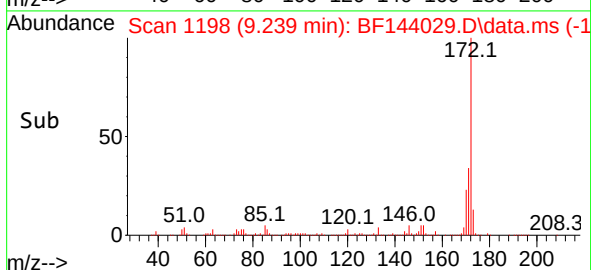
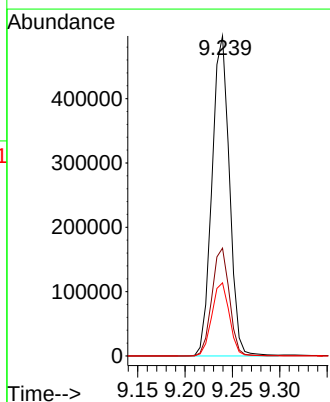
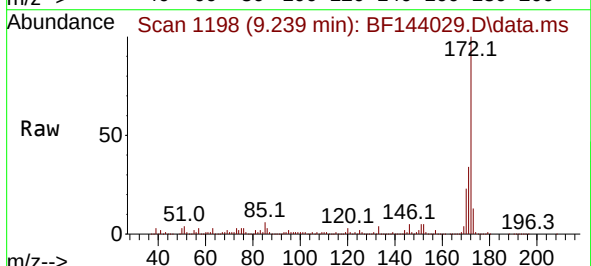
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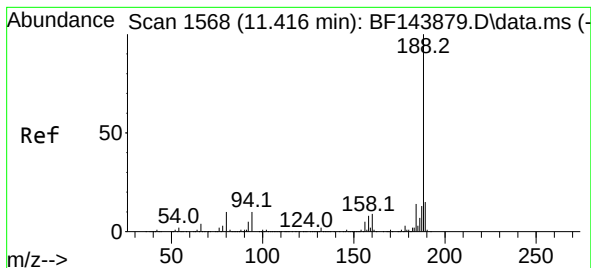
Reviewed By :Rahul Chavli 10/22/2025  
Supervised By :Jagrut Upadhyay 10/22/2025



#45  
2-Fluorobiphenyl  
Concen: 55.193 ng  
RT: 9.239 min Scan# 1198  
Delta R.T. -0.012 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

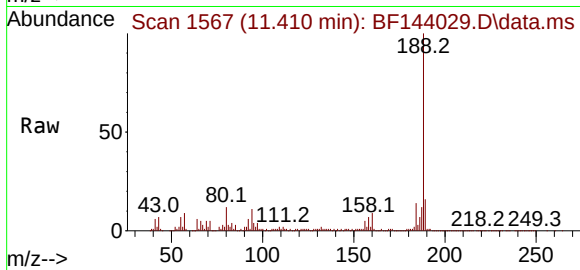
Tgt Ion:172 Resp: 636031  
Ion Ratio Lower Upper  
172 100  
171 33.7 27.4 41.0  
170 22.9 18.6 28.0





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

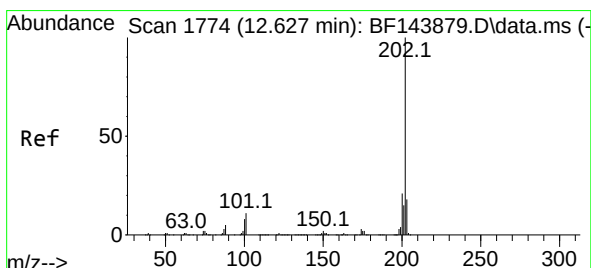
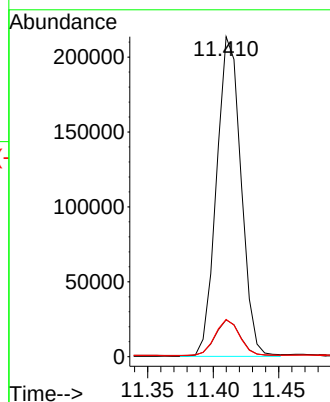
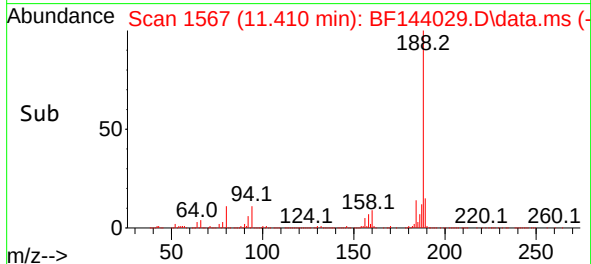
Instrument :  
BNA\_F  
ClientSampleId :  
PR132-DP01-20251016



Tgt Ion:188 Resp: 276992  
Ion Ratio Lower Upper  
188 100  
94 11.5 7.8 11.6  
80 11.6 7.9 11.9

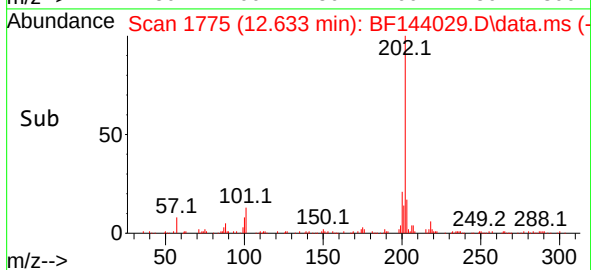
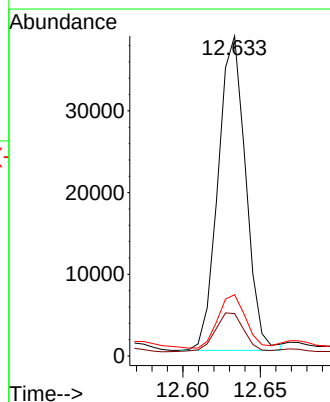
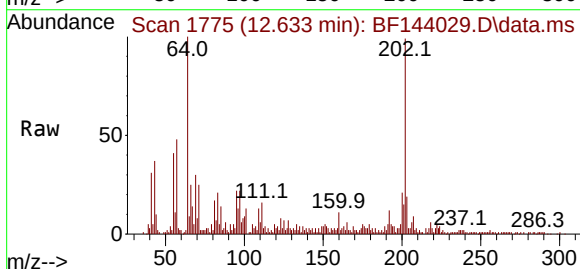
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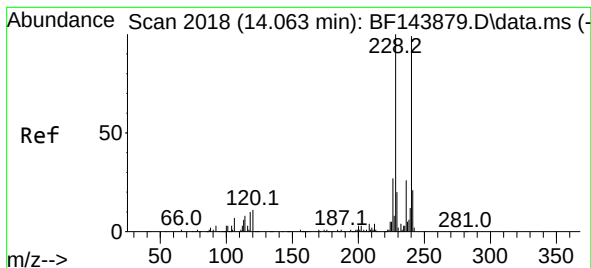
Reviewed By :Rahul Chavli 10/22/2025  
Supervised By :Jagrut Upadhyay 10/22/2025



#75  
Fluoranthene  
Concen: 3.444 ng  
RT: 12.633 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: BF144029.D  
Acq: 21 Oct 2025 23:22

Tgt Ion:202 Resp: 47766  
Ion Ratio Lower Upper  
202 100  
101 13.3 0.0 30.7  
203 19.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

Instrument :

BNA\_F

ClientSampleId :

PR132-DP01-20251016

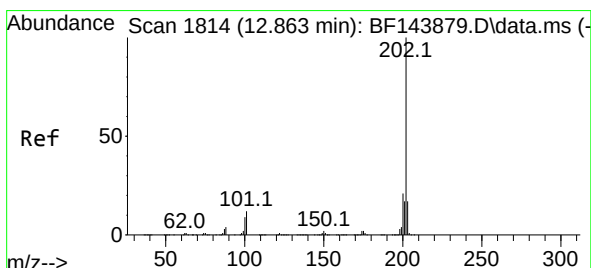
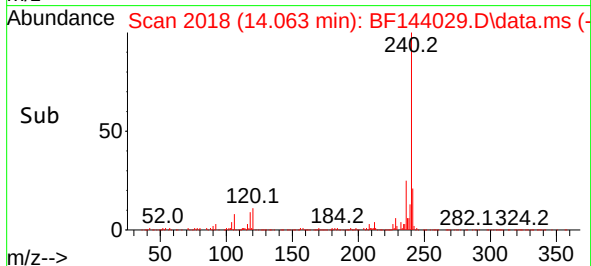
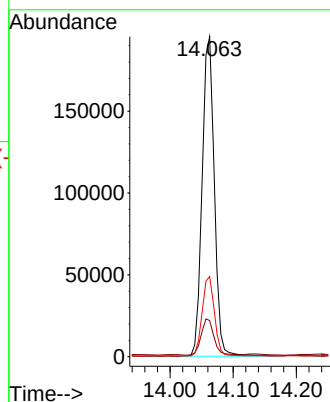
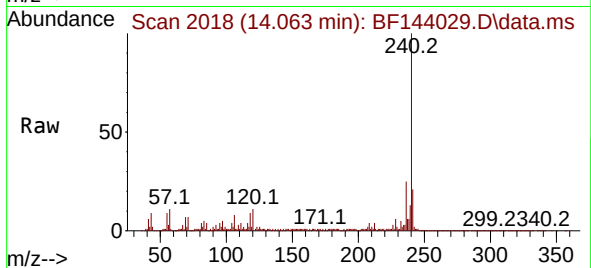
Tgt Ion:240 Resp: 261924  
 Ion Ratio Lower Upper  
 240 100  
 120 11.3 8.6 13.0  
 236 25.1 21.1 31.7

Manual Integrations

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#78

Pyrene

Concen: 2.641 ng m

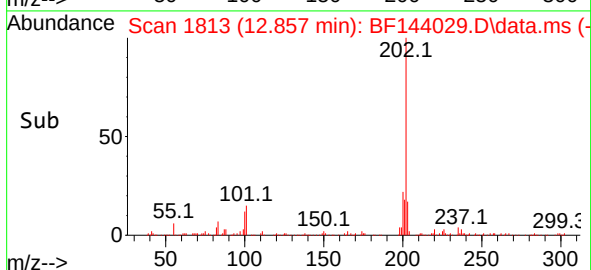
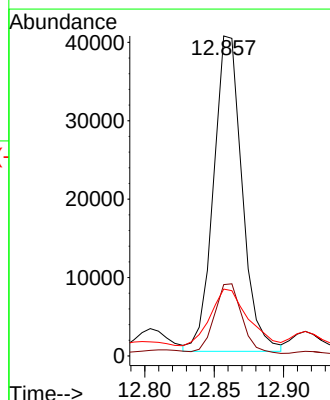
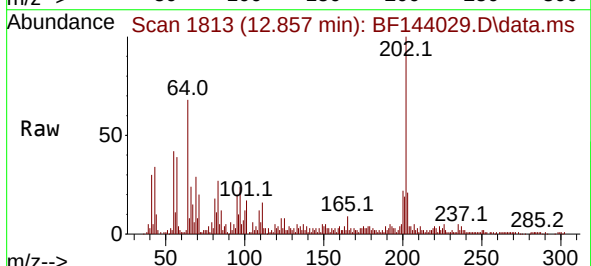
RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

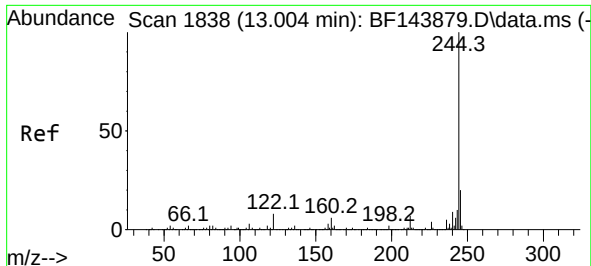
Lab File: BF144029.D

Acq: 21 Oct 2025 23:22

Tgt Ion:202 Resp: 57672  
 Ion Ratio Lower Upper  
 202 100  
 200 22.3 17.0 25.6  
 203 20.9 13.8 20.6#

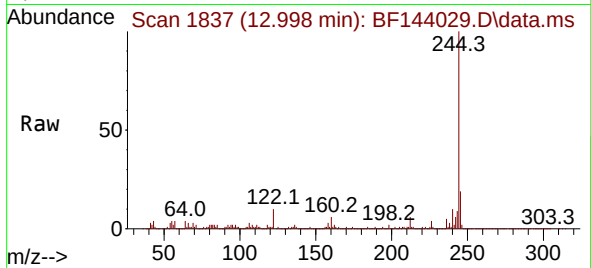






#79  
 Terphenyl-d14  
 Concen: 38.620 ng  
 RT: 12.998 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF144029.D  
 Acq: 21 Oct 2025 23:22

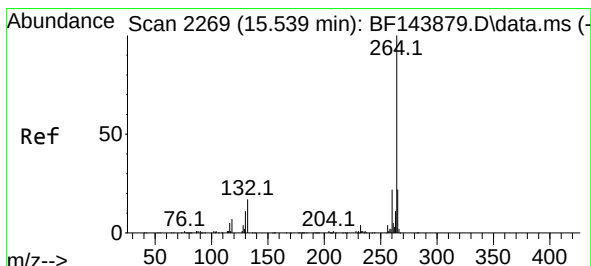
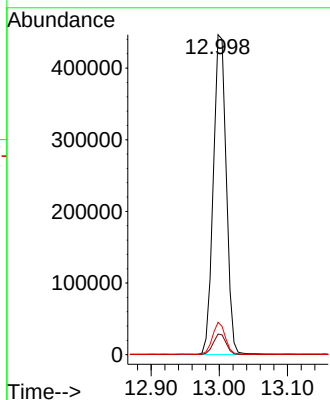
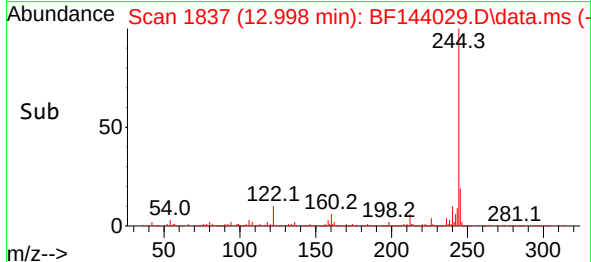
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PR132-DP01-20251016



Tgt Ion:244 Resp: 591870  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 10.1 6.4 9.6

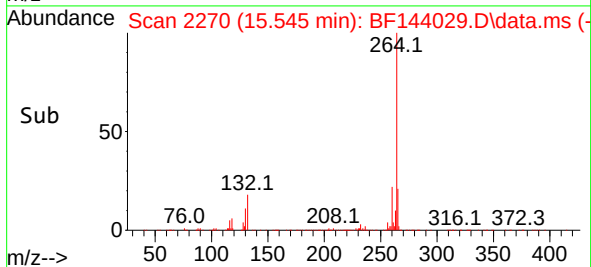
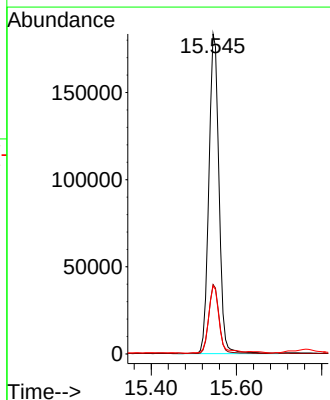
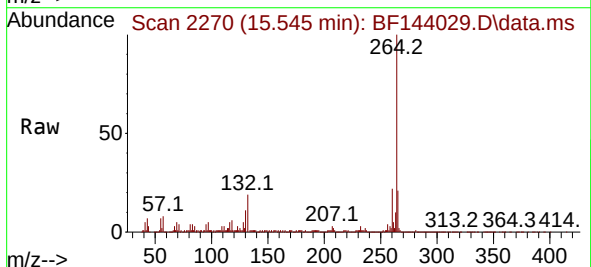
Manual Integrations  
 APPROVED

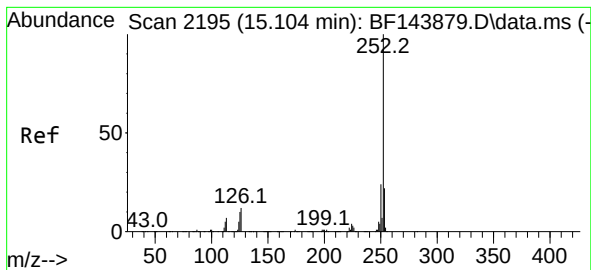
Reviewed By :Rahul Chavli 10/22/2025  
 Supervised By :Jagrut Upadhyay 10/22/2025



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 2270  
 Delta R.T. 0.000 min  
 Lab File: BF144029.D  
 Acq: 21 Oct 2025 23:22

Tgt Ion:264 Resp: 301622  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 17.8 26.8  
 265 21.3 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.013 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144029.D

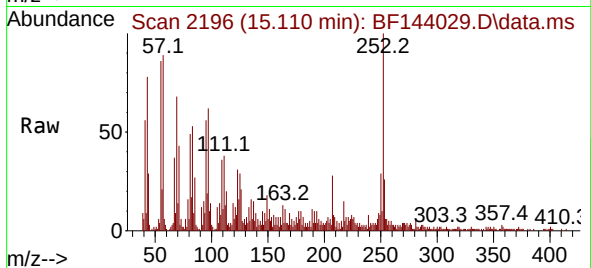
Acq: 21 Oct 2025 23:22

Instrument :

BNA\_F

ClientSampleId :

PR132-DP01-20251016



Tgt Ion:252 Resp: 34880

Ion Ratio Lower Upper

252 100

253 25.5 17.4 26.2

125 29.3 7.8 11.6

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