

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080525\  
 Data File : BF143309.D  
 Acq On : 05 Aug 2025 12:03  
 Operator : RC/JU  
 Sample : Q2747-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-TS-GRILLO-OG3-073125

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 08/06/2025  
 Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 05 12:37:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|-------|-----------|
| -----                       |        |      |          |        |       |           |
| Internal Standards          |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.963  | 152  | 127481   | 20.000 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.239  | 136  | 469138   | 20.000 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.998  | 164  | 228456   | 20.000 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.486 | 188  | 308976   | 20.000 | ng    | 0.00      |
| 76) Chrysene-d12            | 14.127 | 240  | 244731   | 20.000 | ng    | 0.00      |
| 86) Perylene-d12            | 15.633 | 264  | 233526   | 20.000 | ng    | 0.01      |
| System Monitoring Compounds |        |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.593  | 112  | 640562   | 79.515 | ng    | 0.00      |
| 7) Phenol-d6                | 6.587  | 99   | 824262   | 81.290 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.516  | 82   | 524171   | 55.694 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.786 | 330  | 171579   | 72.701 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.316  | 172  | 891830   | 53.388 | ng    | 0.00      |
| 79) Terphenyl-d14           | 13.069 | 244  | 625406   | 38.028 | ng    | 0.00      |
| Target Compounds            |        |      |          |        |       |           |
| 75) Fluoranthene            | 12.698 | 202  | 46440    | 3.084  | ng    | Qvalue 97 |
| 88) Benzo(b)fluoranthene    | 15.186 | 252  | 29424m   | 2.062  | ng    |           |
| -----                       |        |      |          |        |       |           |

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

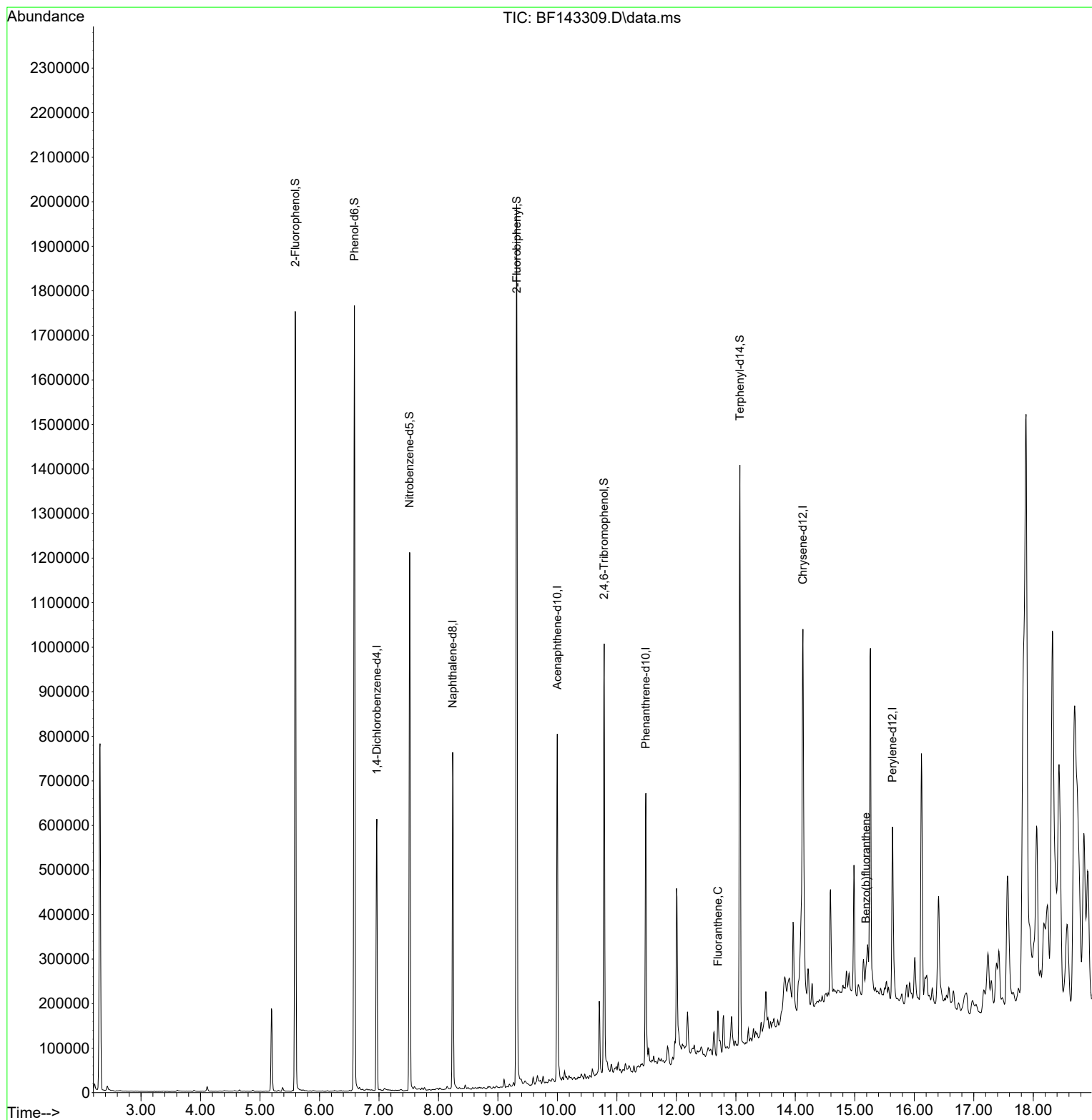
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080525\  
Data File : BF143309.D  
Acq On : 05 Aug 2025 12:03  
Operator : RC/JU  
Sample : Q2747-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 05 12:37:42 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
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QLast Update : Thu Jul 17 15:14:05 2025  
Response via : Initial Calibration

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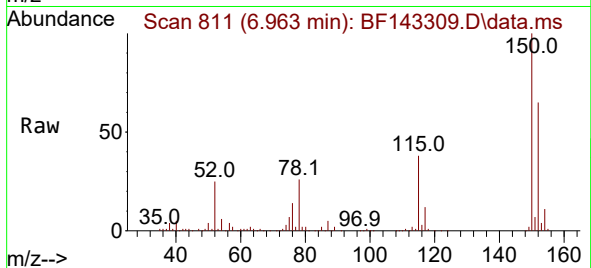
Reviewed By :Rahul Chavli 08/06/2025  
Supervised By :Jagrut Upadhyay 08/06/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

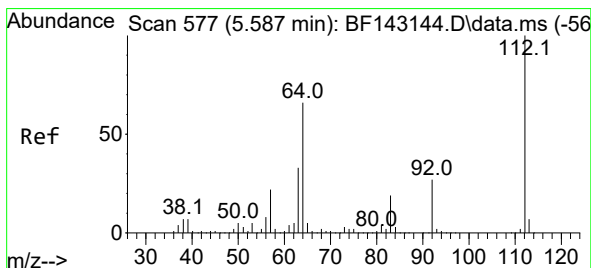
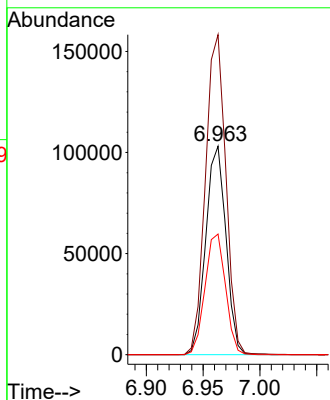
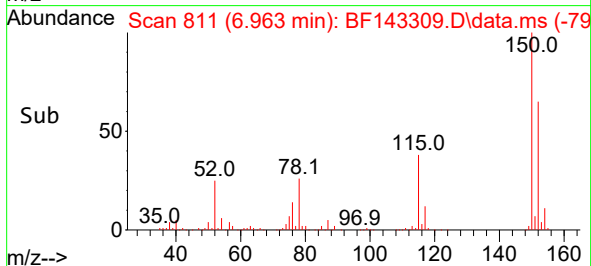
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125



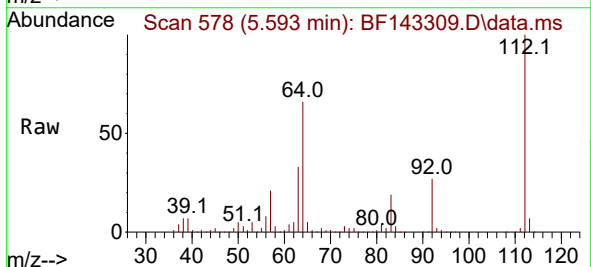
Tgt Ion:152 Resp: 12748  
Ion Ratio Lower Upper  
152 100  
150 153.5 128.2 192.4  
115 57.9 47.9 71.9

Manual Integrations  
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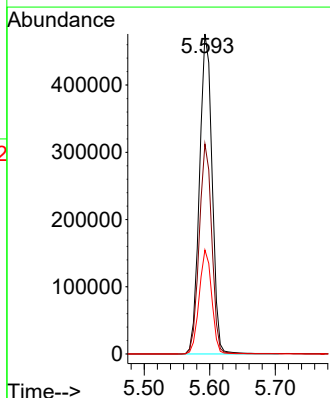
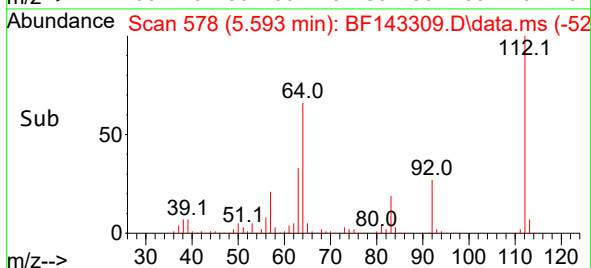
Reviewed By :Rahul Chavli 08/06/2025  
Supervised By :Jagrut Upadhyay 08/06/2025

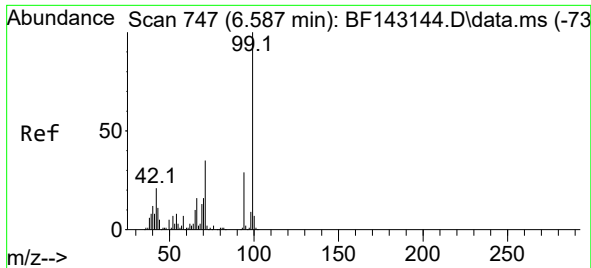


#5  
2-Fluorophenol  
Concen: 79.515 ng  
RT: 5.593 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03



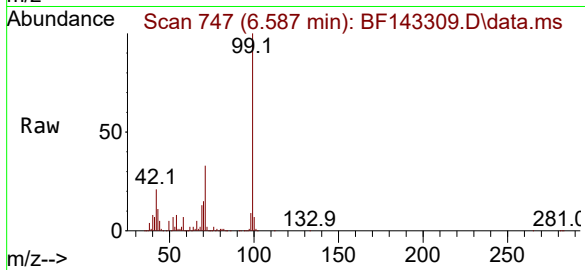
Tgt Ion:112 Resp: 640562  
Ion Ratio Lower Upper  
112 100  
64 65.6 53.1 79.7  
63 32.5 26.6 40.0





#7  
Phenol-d6  
Concen: 81.290 ng  
RT: 6.587 min Scan# 747  
Delta R.T. 0.000 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

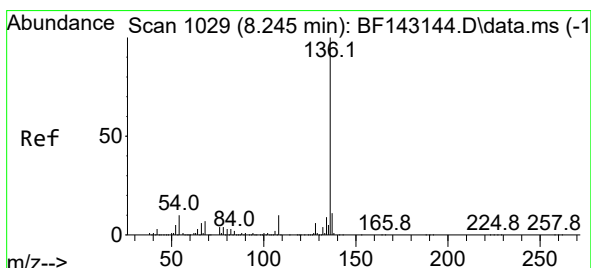
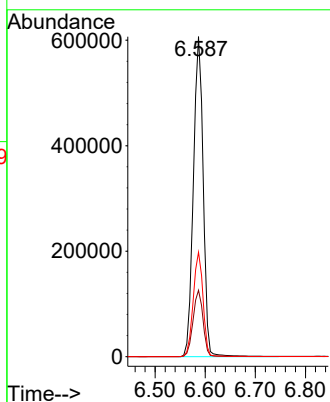
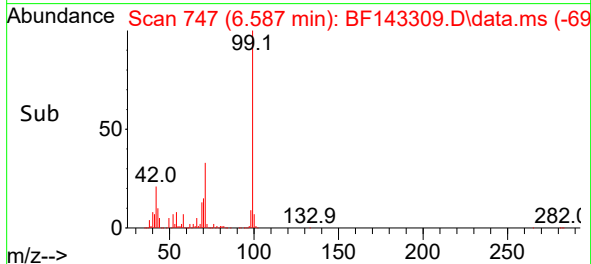
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125



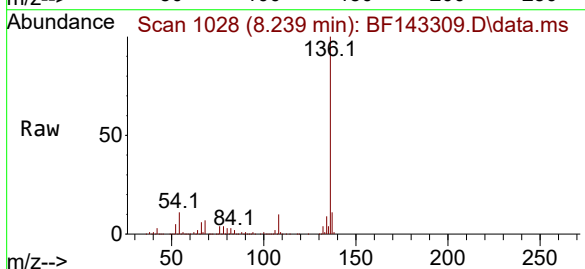
Tgt Ion: 99 Resp: 824262  
Ion Ratio Lower Upper  
99 100  
42 20.8 17.0 25.6  
71 32.6 27.7 41.5

Manual Integrations  
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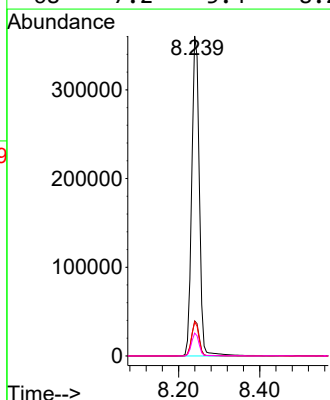
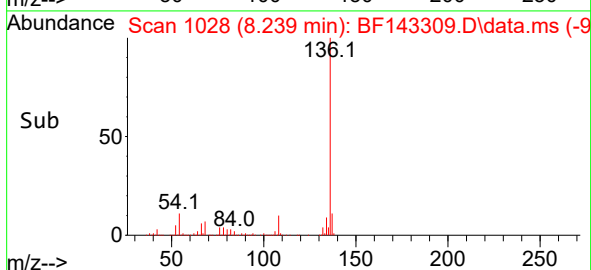
Reviewed By :Rahul Chavli 08/06/2025  
Supervised By :Jagrut Upadhyay 08/06/2025



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03



Tgt Ion:136 Resp: 469138  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 10.6 8.2 12.2  
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 55.694 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143309.D

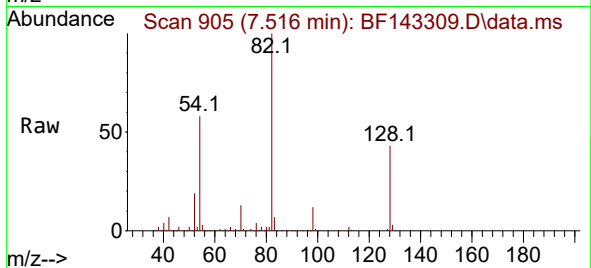
Acq: 05 Aug 2025 12:03

Instrument :

BNA\_F

ClientSampleId :

OU4-TS-GRILLO-OG3-073125



Tgt Ion: 82 Resp: 52417

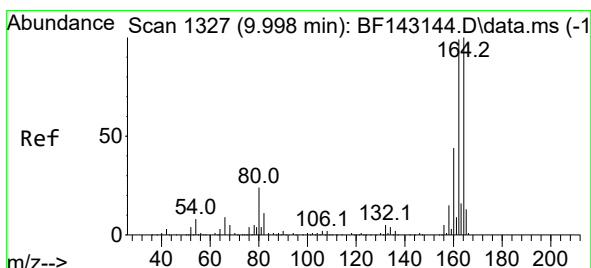
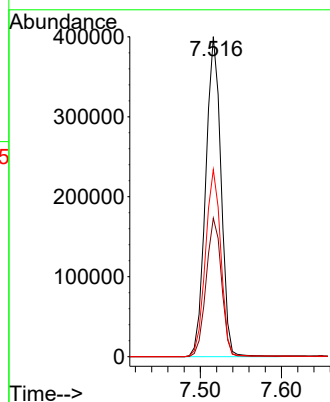
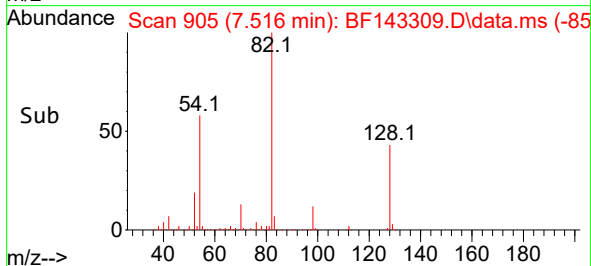
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.3  | 33.6  | 50.4  |
| 54  | 58.4  | 47.1  | 70.7  |

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

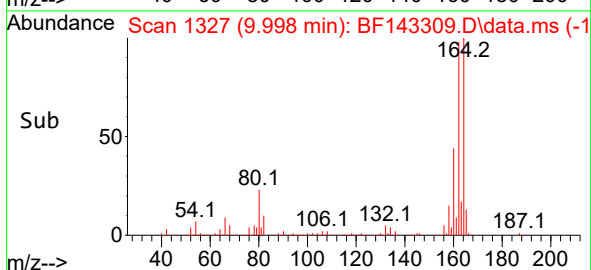
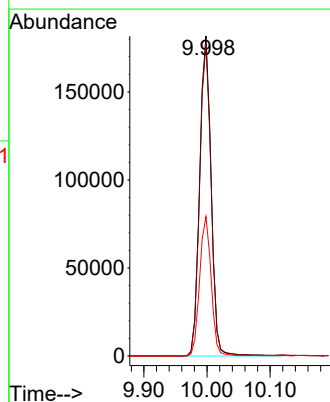
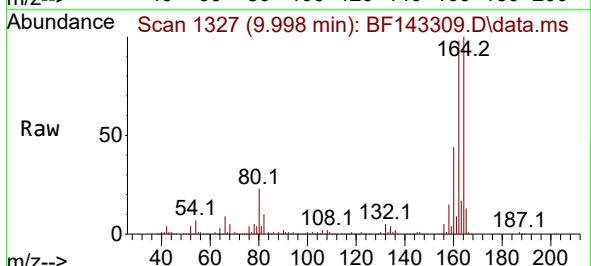
Delta R.T. 0.000 min

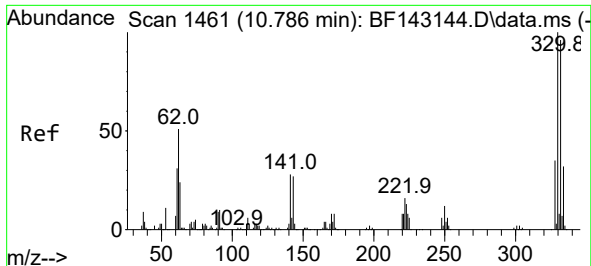
Lab File: BF143309.D

Acq: 05 Aug 2025 12:03

Tgt Ion:164 Resp: 228456

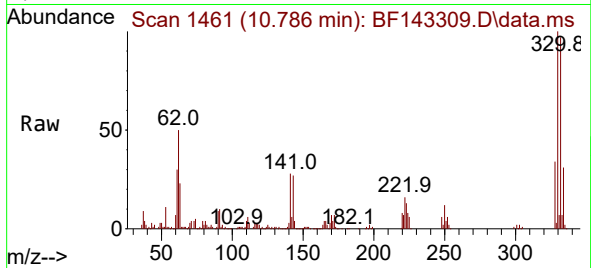
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 97.6  | 79.0  | 118.6 |
| 160 | 43.5  | 35.1  | 52.7  |





#42  
2,4,6-Tribromophenol  
Concen: 72.701 ng  
RT: 10.786 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

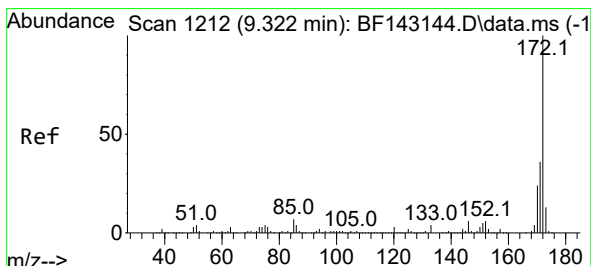
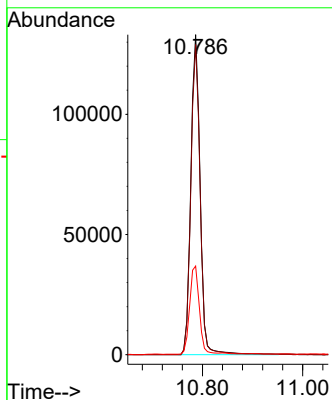
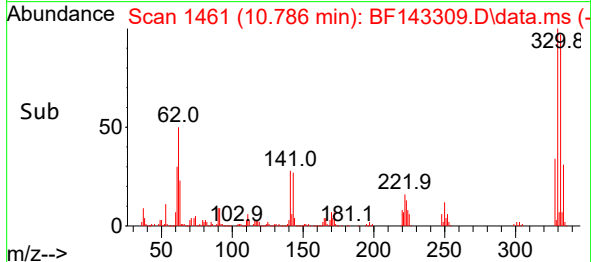
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125



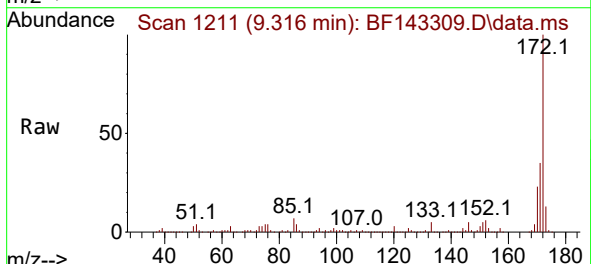
Tgt Ion:330 Resp: 171579  
Ion Ratio Lower Upper  
330 100  
332 97.1 76.7 115.1  
141 29.1 23.3 34.9

Manual Integrations  
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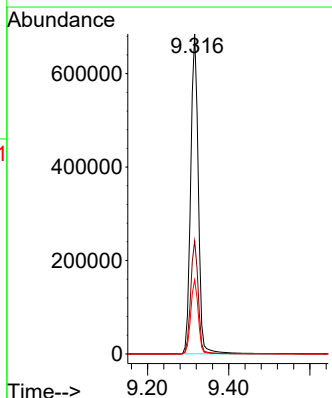
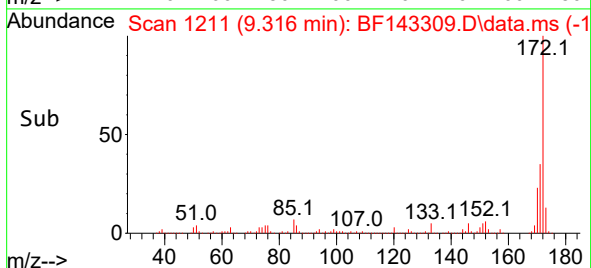
Reviewed By :Rahul Chavli 08/06/2025  
Supervised By :Jagrut Upadhyay 08/06/2025

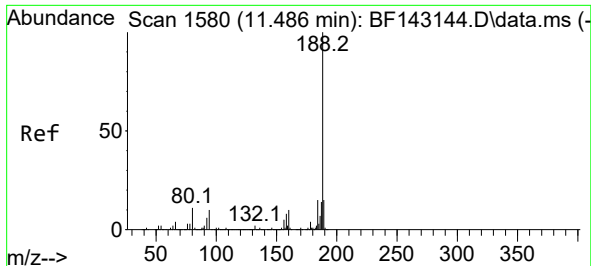


#45  
2-Fluorobiphenyl  
Concen: 53.388 ng  
RT: 9.316 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03



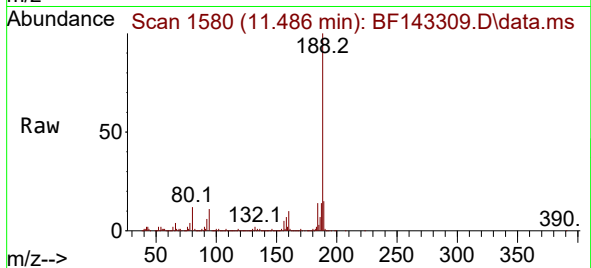
Tgt Ion:172 Resp: 891830  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.6 42.8  
170 23.2 18.8 28.2





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

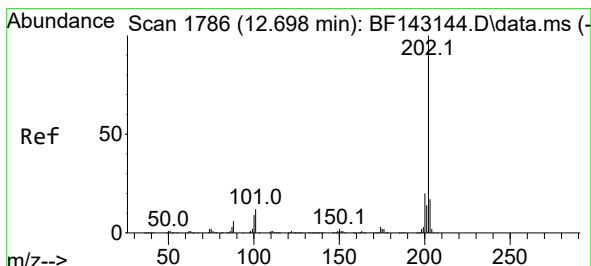
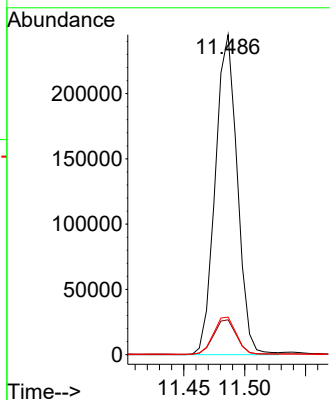
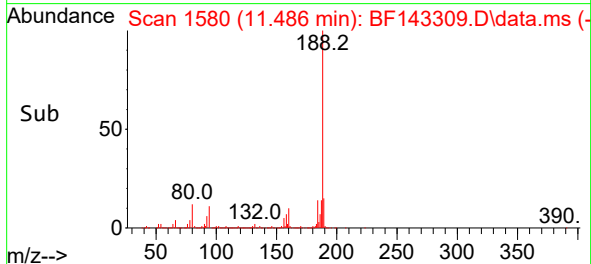
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125



Tgt Ion:188 Resp: 308970  
Ion Ratio Lower Upper  
188 100  
94 10.9 8.3 12.5  
80 11.8 9.0 13.6

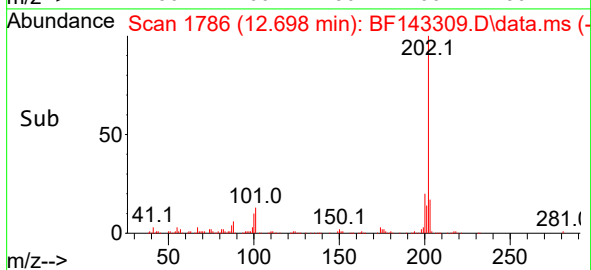
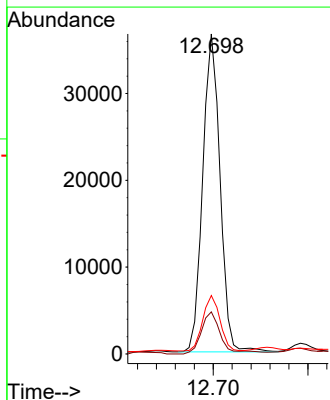
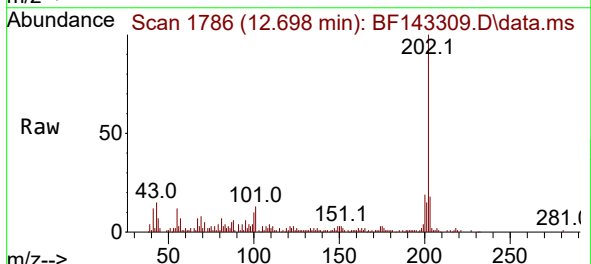
Manual Integrations  
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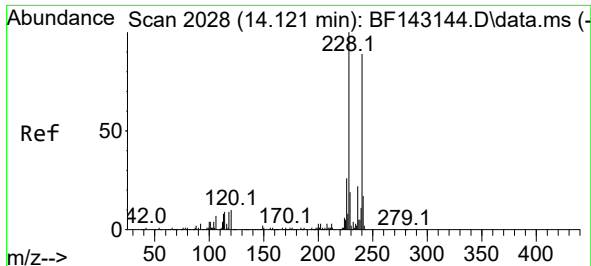
Reviewed By :Rahul Chavli 08/06/2025  
Supervised By :Jagrut Upadhyay 08/06/2025



#75  
Fluoranthene  
Concen: 3.084 ng  
RT: 12.698 min Scan# 1786  
Delta R.T. 0.000 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

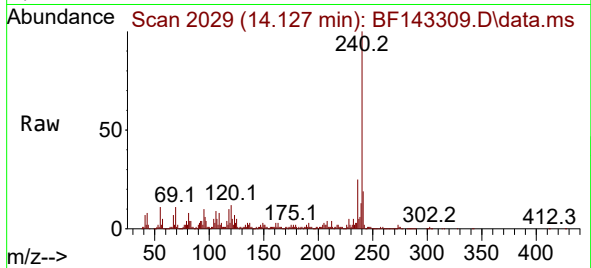
Tgt Ion:202 Resp: 46440  
Ion Ratio Lower Upper  
202 100  
101 13.1 0.0 31.7  
203 18.3 0.0 37.4





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.127 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

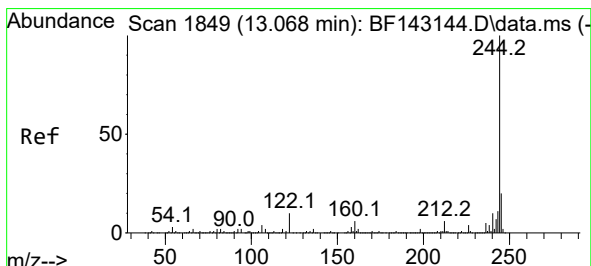
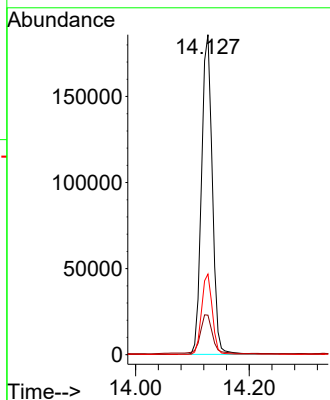
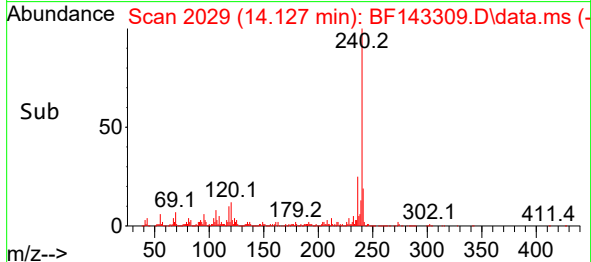
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125



Tgt Ion:240 Resp: 244733  
Ion Ratio Lower Upper  
240 100  
120 12.3 9.4 14.2  
236 25.2 20.2 30.4

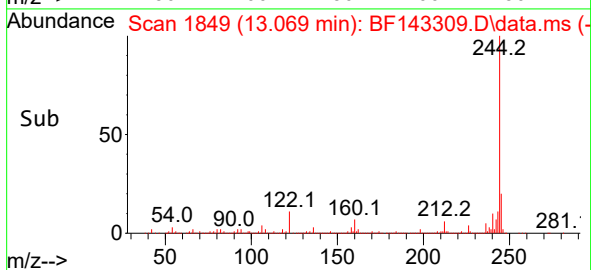
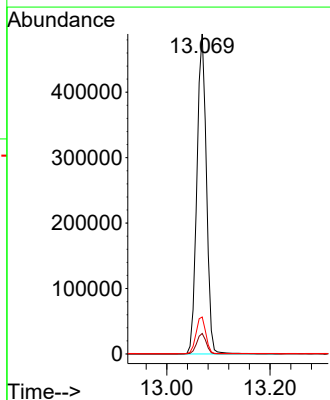
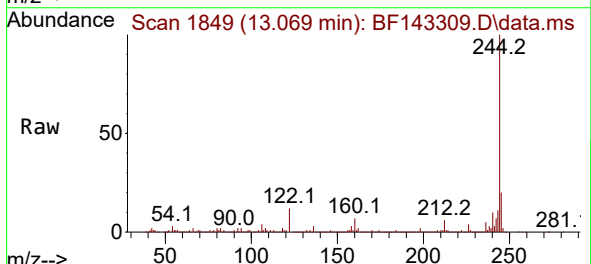
Manual Integrations  
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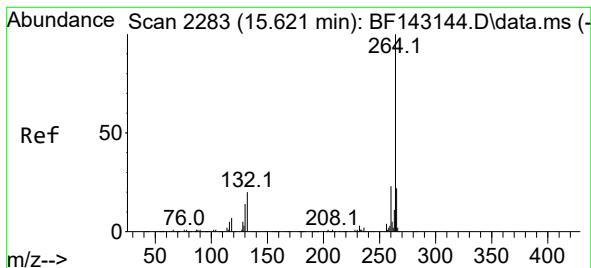
Reviewed By :Rahul Chavli 08/06/2025  
Supervised By :Jagrut Upadhyay 08/06/2025



#79  
Terphenyl-d14  
Concen: 38.028 ng  
RT: 13.069 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

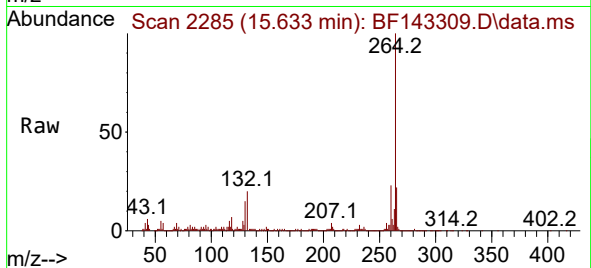
Tgt Ion:244 Resp: 625406  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.2 7.8  
122 11.5 8.2 12.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.633 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

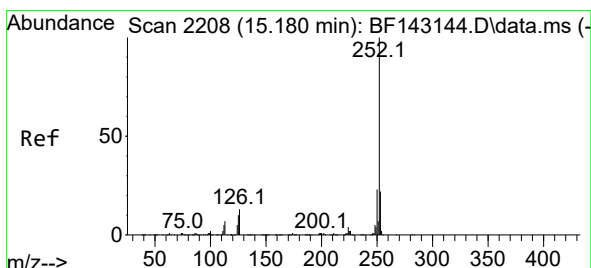
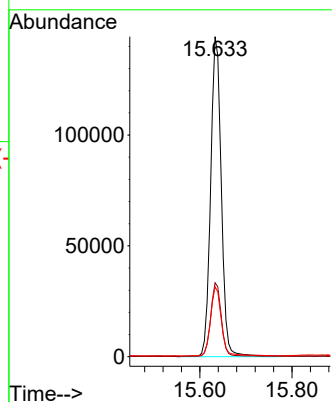
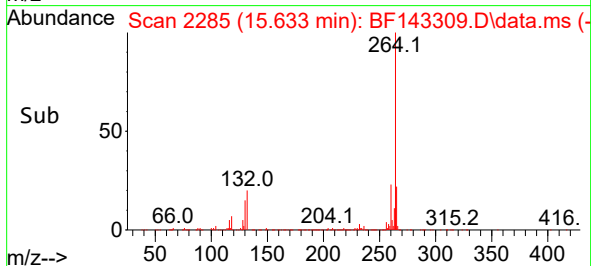
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-TS-GRILLO-OG3-073125



Tgt Ion:264 Resp: 233520  
Ion Ratio Lower Upper  
264 100  
260 23.1 18.5 27.7  
265 21.9 17.4 26.2

Manual Integrations  
APPROVED

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#88  
Benzo(b)fluoranthene  
Concen: 2.062 ng m  
RT: 15.186 min Scan# 2209  
Delta R.T. 0.006 min  
Lab File: BF143309.D  
Acq: 05 Aug 2025 12:03

Tgt Ion:252 Resp: 29424  
Ion Ratio Lower Upper  
252 100  
253 25.1 17.5 26.3  
125 21.1 8.0 12.0#

