

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013125\  
 Data File : BF141355.D  
 Acq On : 01 Feb 2025 01:51  
 Operator : RC/JU  
 Sample : Q1239-04  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 348

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025  
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 03:01:48 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 29 17:41:25 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.798  | 152  | 147018   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.081  | 136  | 551923   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.834  | 164  | 237482   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.322 | 188  | 318214   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.963 | 240  | 316055   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.416 | 264  | 244978   | 20.000 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.422  | 112  | 804870   | 84.047 | ng    | 0.01     |
| 7) Phenol-d6                | 6.440  | 99   | 981440   | 80.562 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.357  | 82   | 608141   | 58.086 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.628 | 330  | 152491   | 70.041 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.157  | 172  | 926673   | 60.060 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.910 | 244  | 762794   | 37.220 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.345 | 178  | 41168    | 2.407  | ng    | 98       |
| 75) Fluoranthene            | 12.533 | 202  | 108314   | 6.413  | ng    | 99       |
| 78) Pyrene                  | 12.763 | 202  | 114613   | 3.778  | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.951 | 228  | 59980    | 2.750  | ng    | 94       |
| 83) Chrysene                | 13.986 | 228  | 49710    | 2.487  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 14.998 | 252  | 49379m   | 3.204  | ng    |          |
| 90) Benzo(a)pyrene          | 15.351 | 252  | 35637    | 2.737  | ng    | # 90     |
| -----                       |        |      |          |        |       |          |

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

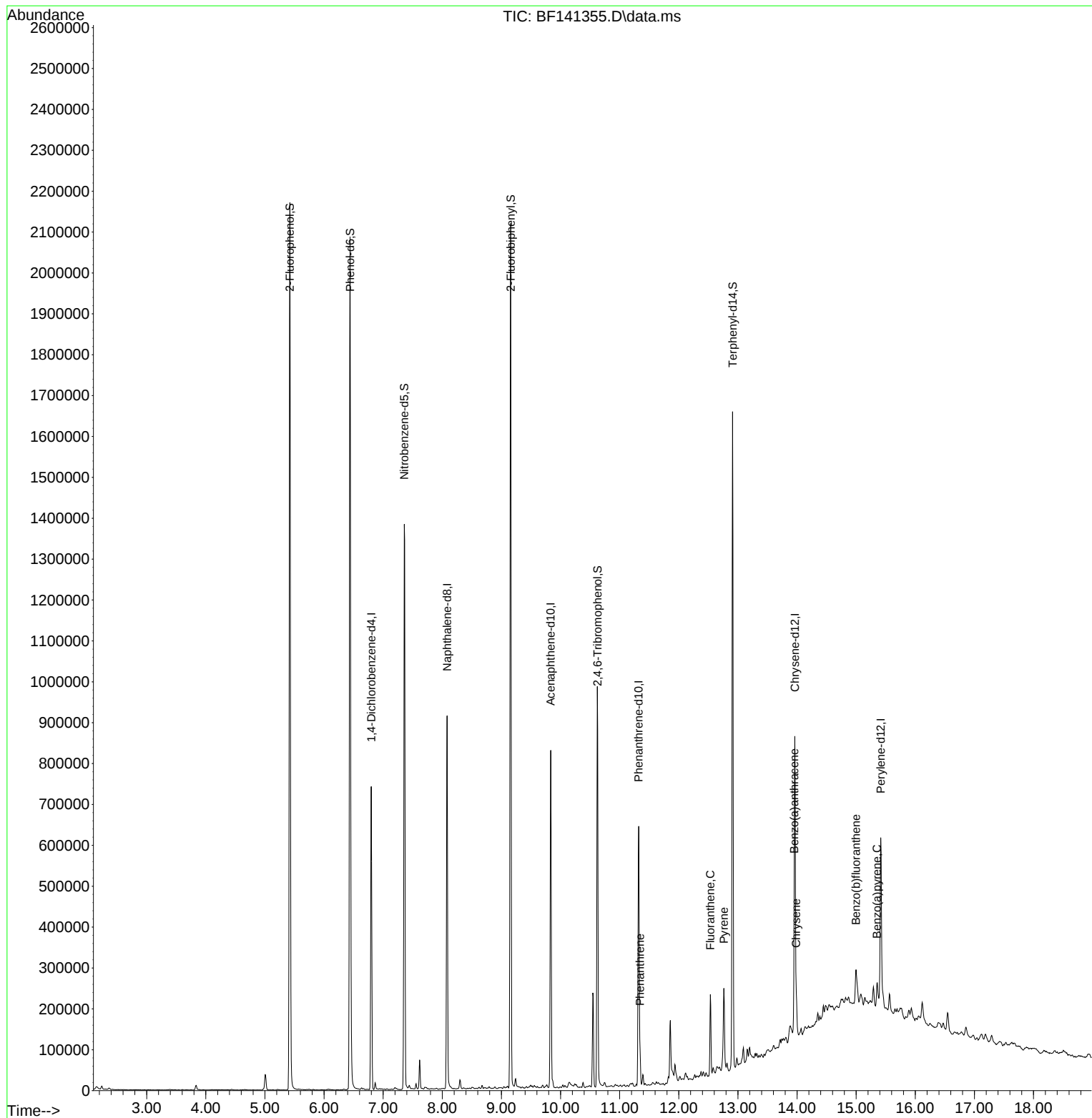
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013125\  
Data File : BF141355.D  
Acq On : 01 Feb 2025 01:51  
Operator : RC/JU  
Sample : Q1239-04  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

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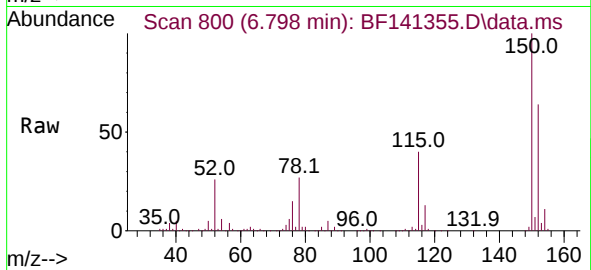
Quant Time: Feb 01 03:01:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 29 17:41:25 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

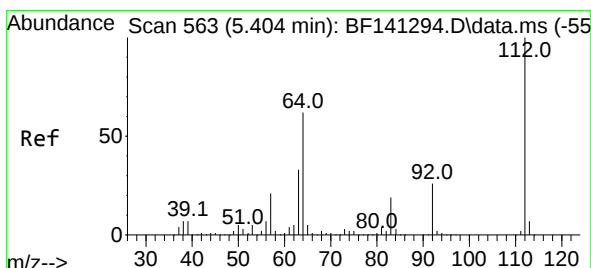
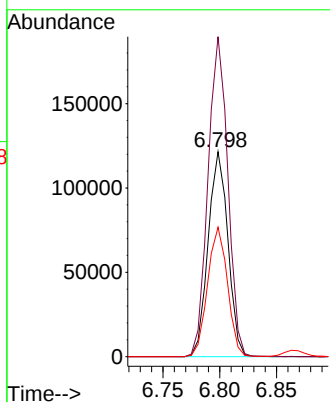
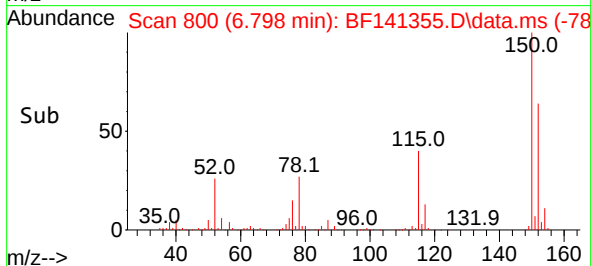
Instrument :  
BNA\_F  
ClientSampleId :  
348



Tgt Ion:152 Resp: 147018  
Ion Ratio Lower Upper  
152 100  
150 156.1 125.9 188.9  
115 63.2 49.7 74.5

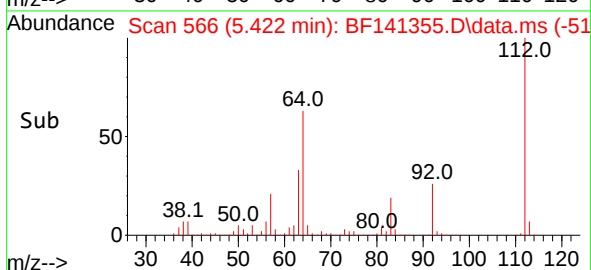
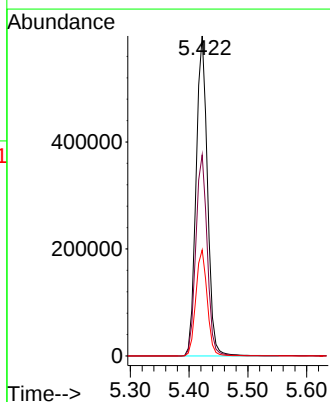
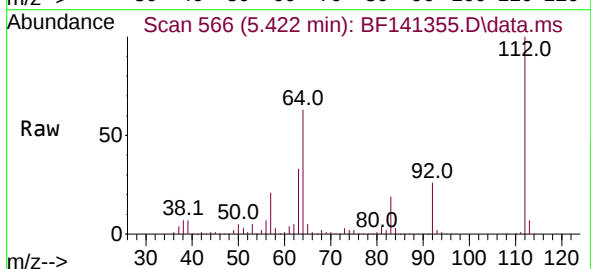
Manual Integrations  
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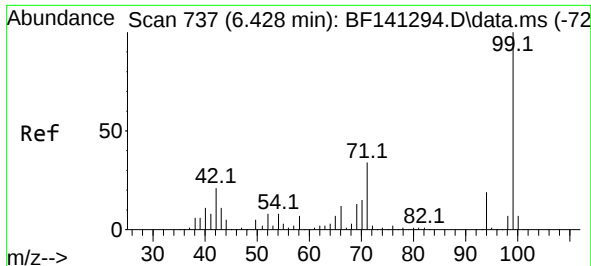
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#5  
2-Fluorophenol  
Concen: 84.047 ng  
RT: 5.422 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

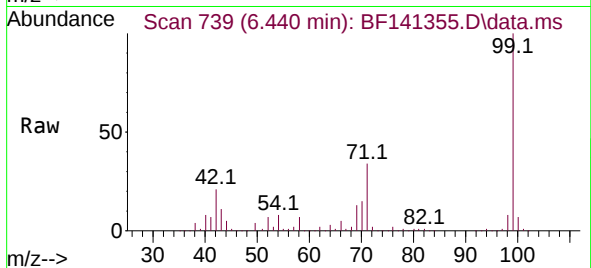
Tgt Ion:112 Resp: 804870  
Ion Ratio Lower Upper  
112 100  
64 62.8 49.8 74.8  
63 33.2 26.1 39.1





#7  
Phenol-d6  
Concen: 80.562 ng  
RT: 6.440 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

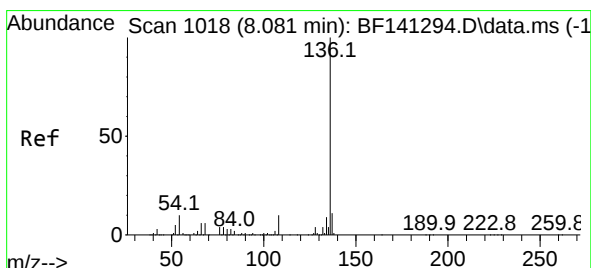
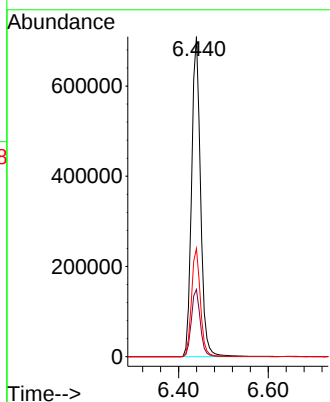
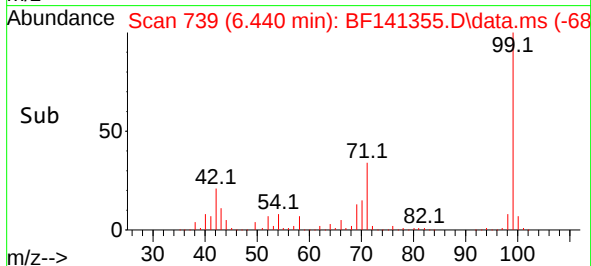
Instrument :  
BNA\_F  
ClientSampleId :  
348



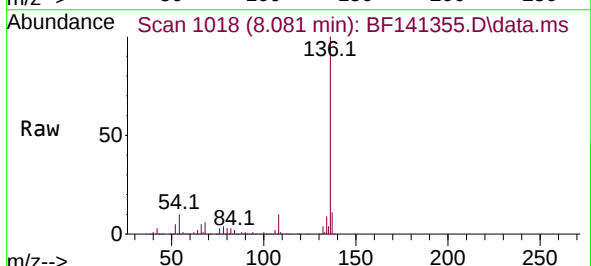
Tgt Ion: 99 Resp: 981440  
Ion Ratio Lower Upper  
99 100  
42 21.0 17.1 25.7  
71 33.8 26.9 40.3

Manual Integrations  
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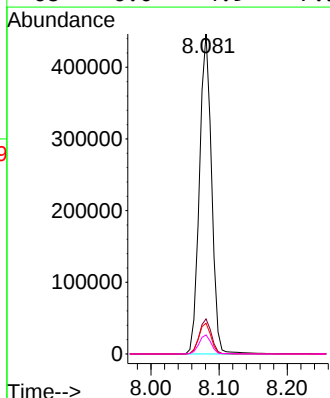
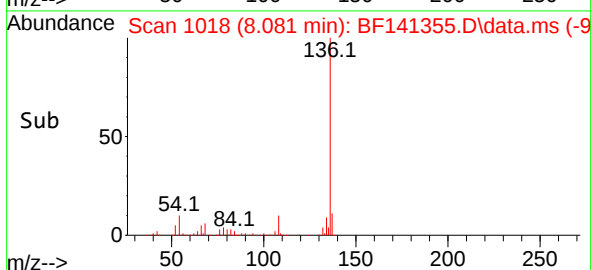
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51



Tgt Ion:136 Resp: 551923  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.6 7.8 11.8  
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 58.086 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

Instrument :

BNA\_F

ClientSampleId :

348

Tgt Ion: 82 Resp: 60814

Ion Ratio Lower Upper

82 100

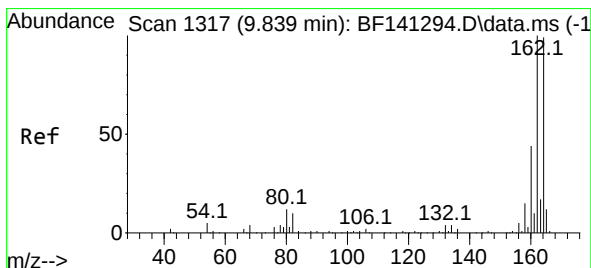
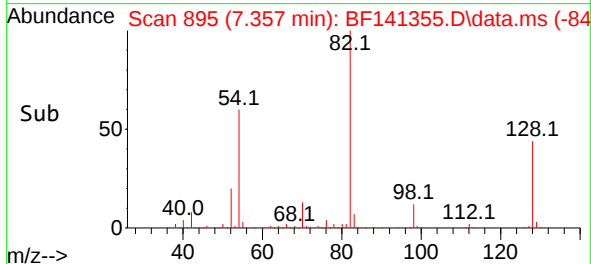
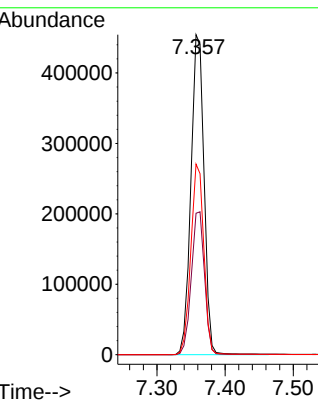
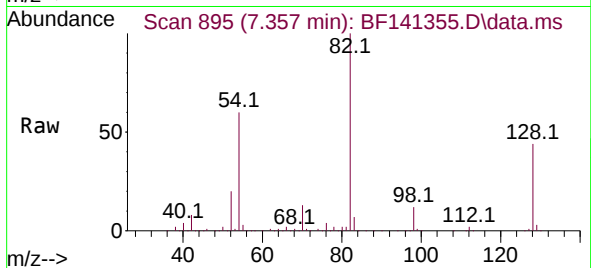
128 44.2 35.7 53.5

54 59.6 47.1 70.7

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Supervised By :mohammad ahmed 02/04/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF141355.D

Acq: 01 Feb 2025 01:51

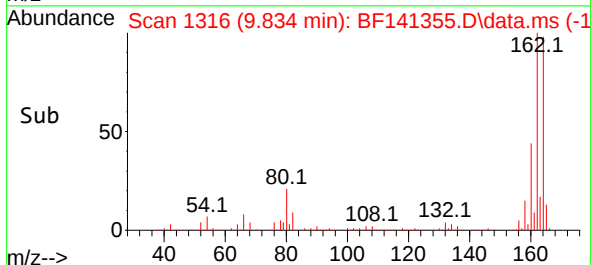
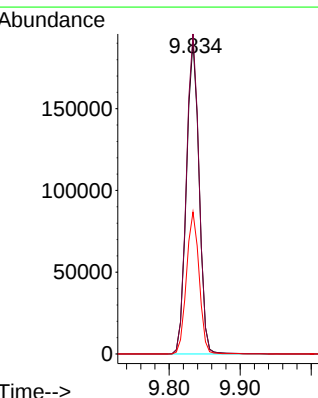
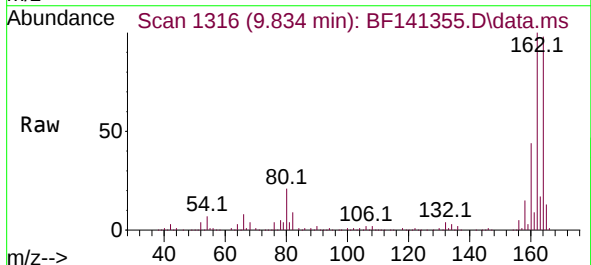
Tgt Ion:164 Resp: 237482

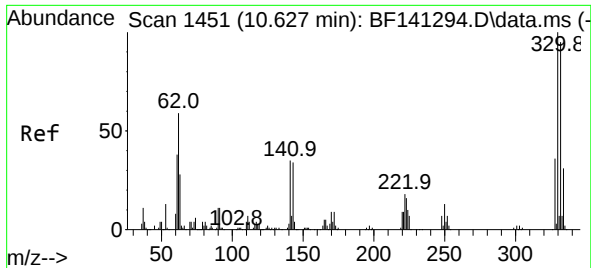
Ion Ratio Lower Upper

164 100

162 102.3 80.6 121.0

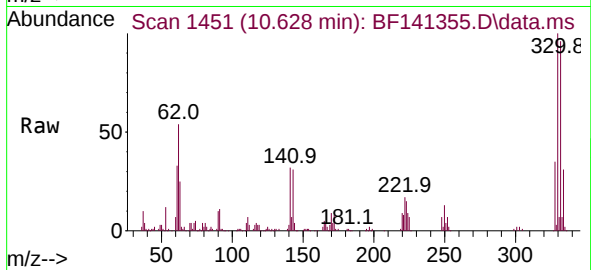
160 45.4 35.8 53.6





#42  
2,4,6-Tribromophenol  
Concen: 70.041 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

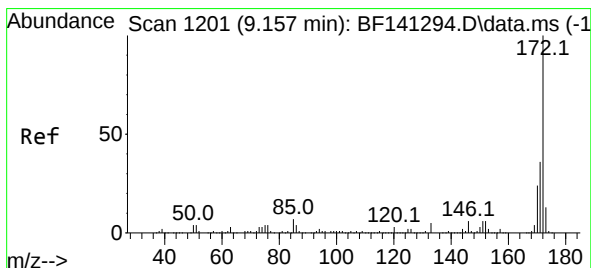
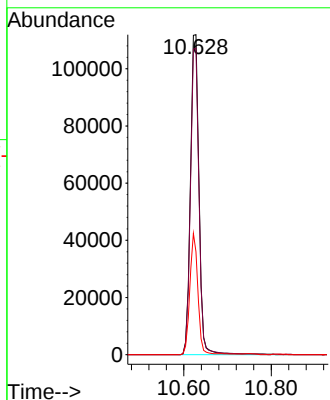
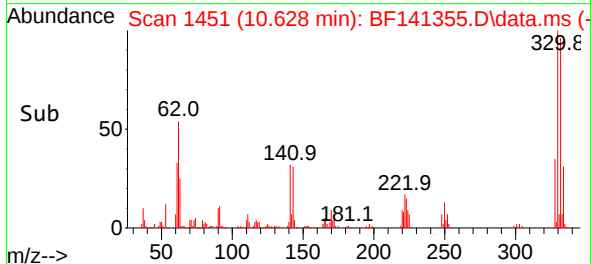
Instrument :  
BNA\_F  
ClientSampleId :  
348



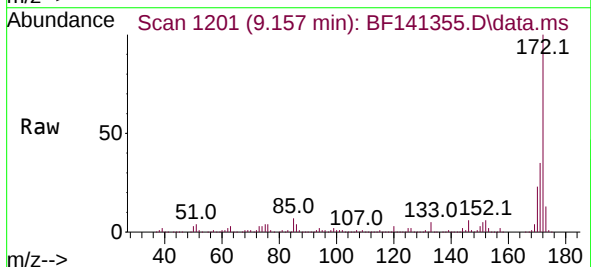
Tgt Ion:330 Resp: 15249  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.1 114.1  
141 35.9 28.8 43.2

Manual Integrations  
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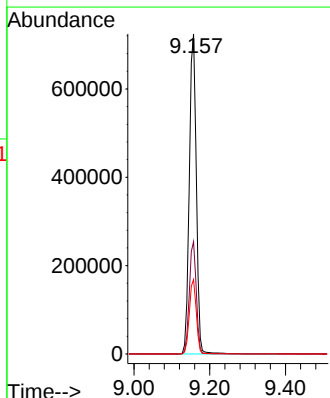
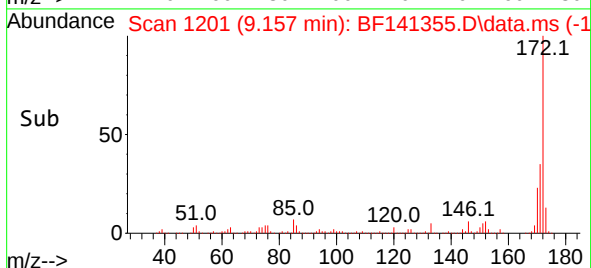
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

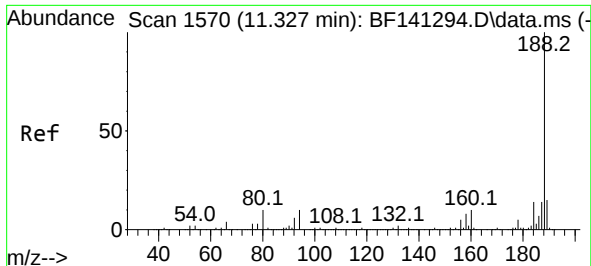


#45  
2-Fluorobiphenyl  
Concen: 60.060 ng  
RT: 9.157 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51



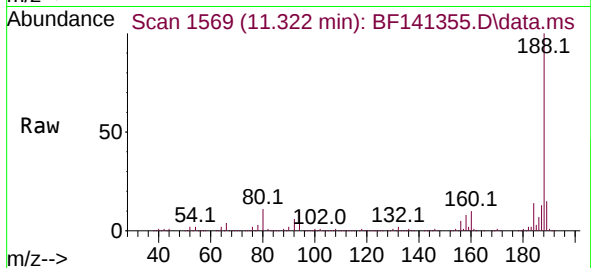
Tgt Ion:172 Resp: 926673  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.8 43.2  
170 23.3 19.0 28.6





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

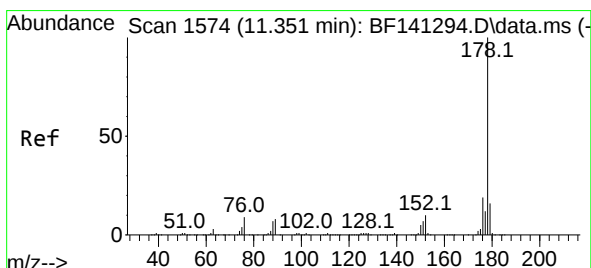
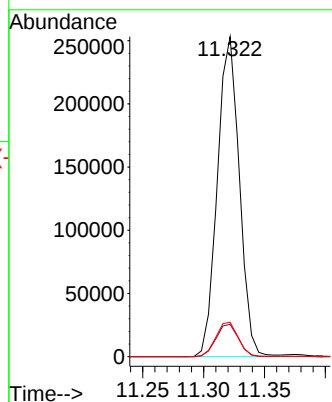
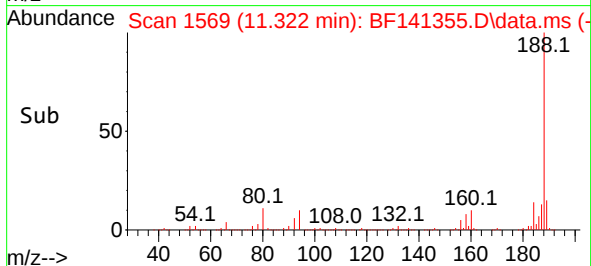
Instrument :  
BNA\_F  
ClientSampleId :  
348



Tgt Ion:188 Resp: 318214  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.8 11.6  
80 10.8 8.2 12.4

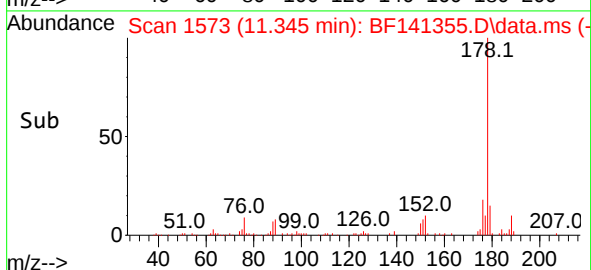
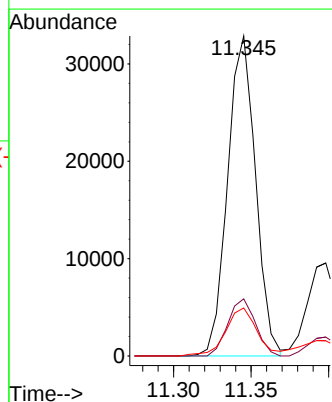
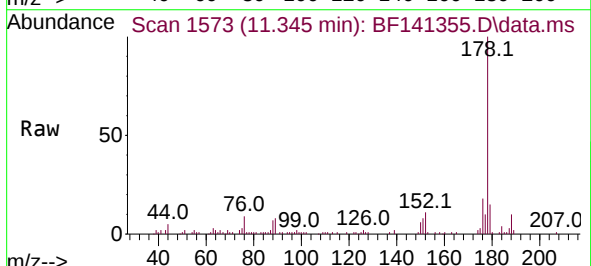
Manual Integrations  
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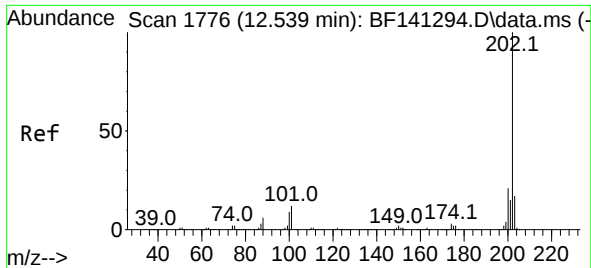
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#71  
Phenanthrene  
Concen: 2.407 ng  
RT: 11.345 min Scan# 1573  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

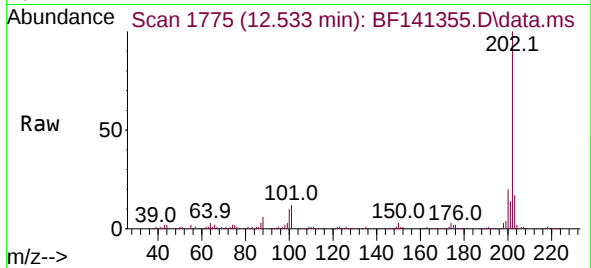
Tgt Ion:178 Resp: 41168  
Ion Ratio Lower Upper  
178 100  
176 17.9 15.3 22.9  
179 15.0 12.5 18.7





#75  
Fluoranthene  
Concen: 6.413 ng  
RT: 12.533 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

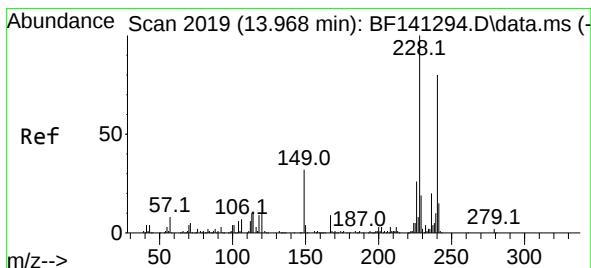
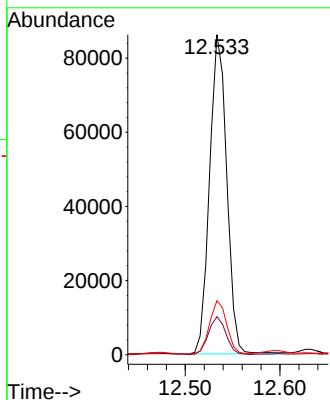
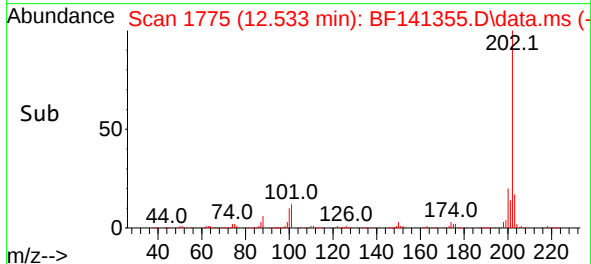
Instrument :  
BNA\_F  
ClientSampleId :  
348



Tgt Ion:202 Resp: 108314  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 31.7  
203 16.9 0.0 37.5

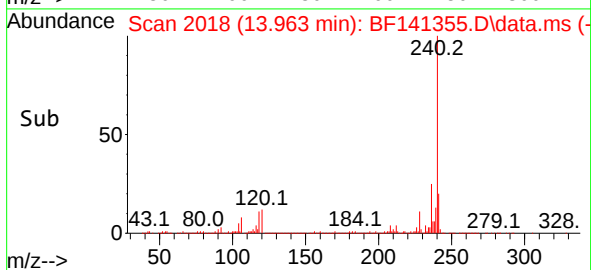
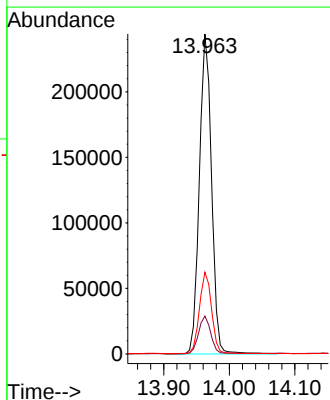
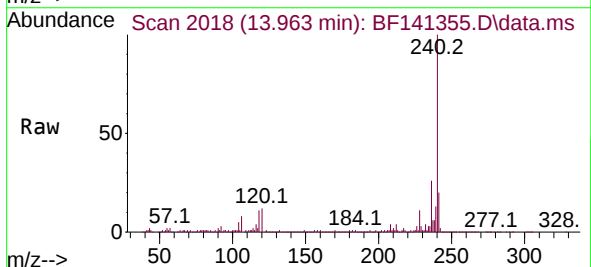
Manual Integrations  
APPROVED

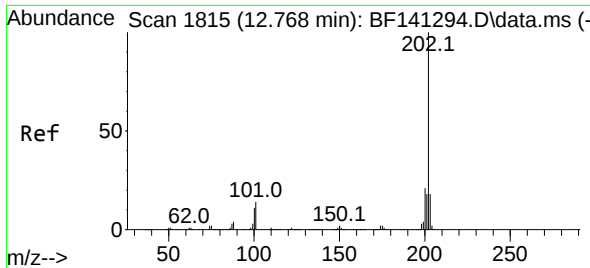
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

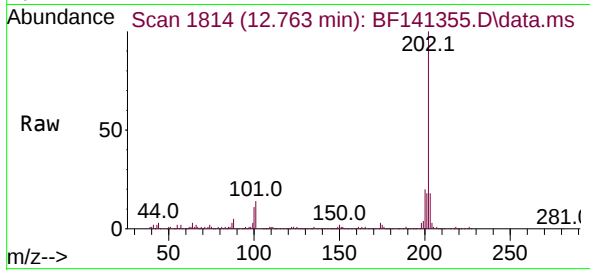
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Ion Ratio Lower Upper  
240 100  
120 11.8 10.0 15.0  
236 25.6 19.7 29.5





#78  
Pyrene  
Concen: 3.778 ng  
RT: 12.763 min Scan# 1814  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

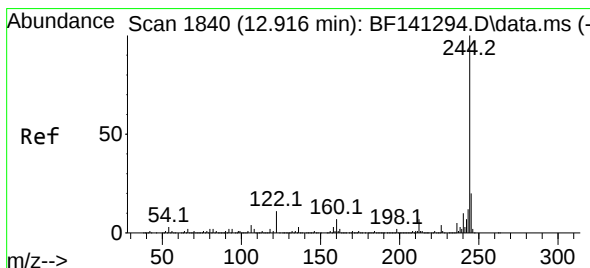
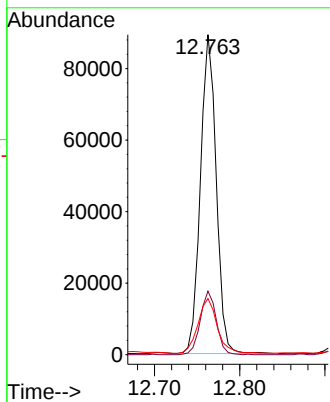
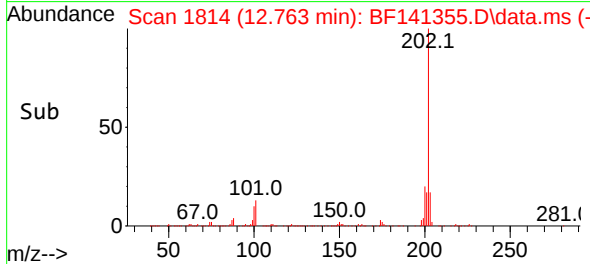
Instrument :  
BNA\_F  
ClientSampleId :  
348



Tgt Ion:202 Resp: 11461  
Ion Ratio Lower Upper  
202 100  
200 19.8 17.0 25.4  
203 17.6 14.3 21.5

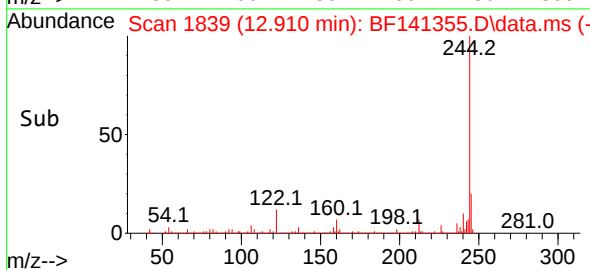
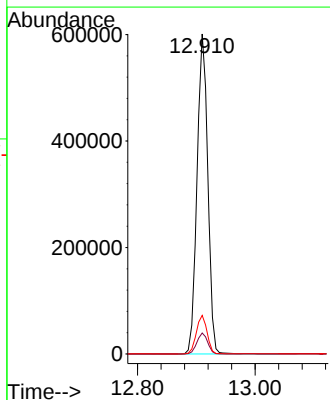
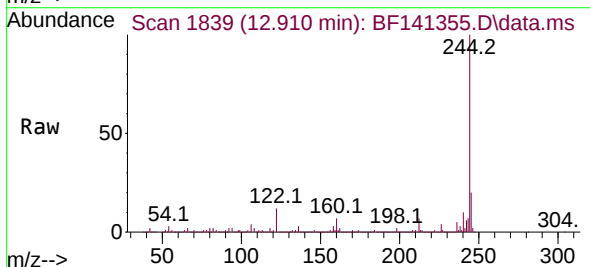
Manual Integrations  
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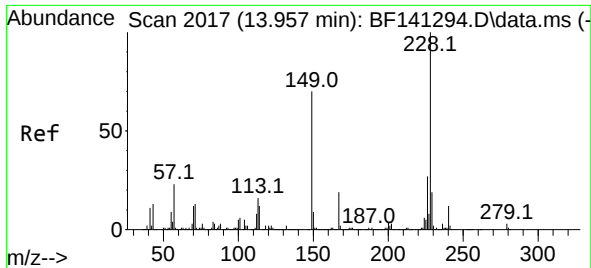
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#79  
Terphenyl-d14  
Concen: 37.220 ng  
RT: 12.910 min Scan# 1839  
Delta R.T. -0.006 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

Tgt Ion:244 Resp: 762794  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.4 8.0  
122 12.0 8.8 13.2





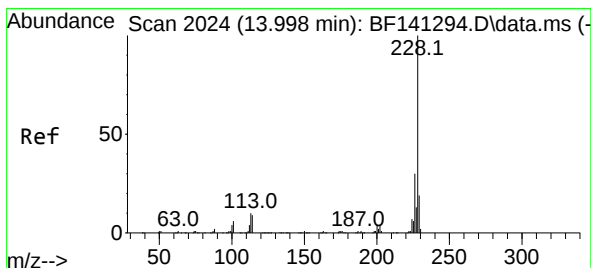
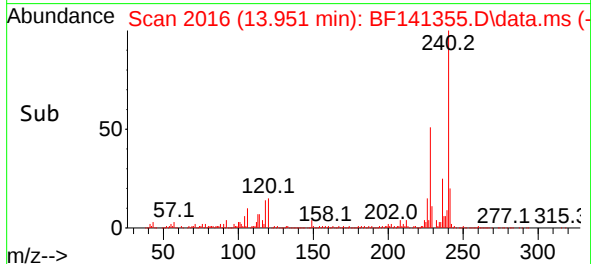
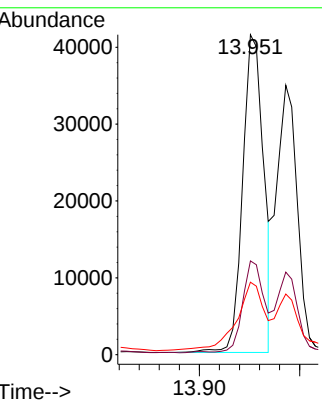
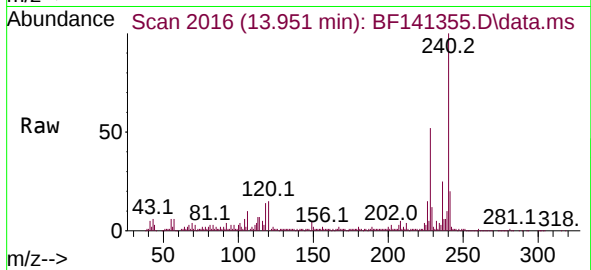
#81  
Benzo(a)anthracene  
Concen: 2.750 ng  
RT: 13.951 min Scan# 2017  
Delta R.T. -0.012 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

Instrument :  
BNA\_F  
ClientSampleId :  
348

Tgt Ion:228 Resp: 59980  
Ion Ratio Lower Upper  
228 100  
226 29.3 21.4 32.2  
229 22.6 15.5 23.3

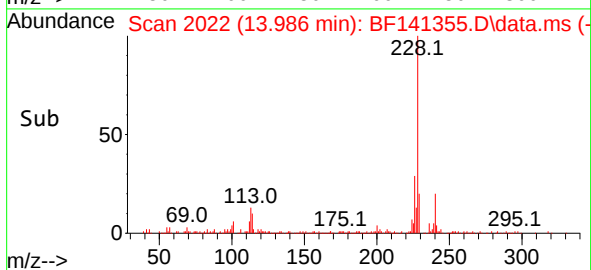
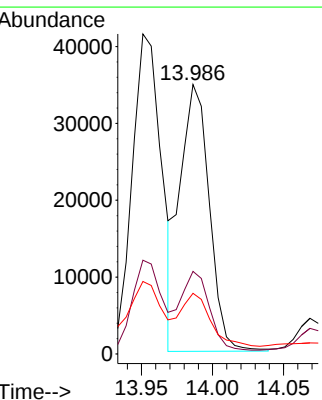
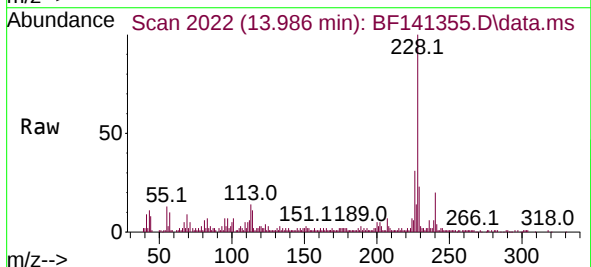
Manual Integrations  
APPROVED

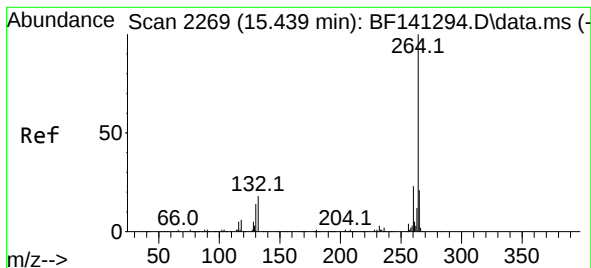
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025



#83  
Chrysene  
Concen: 2.487 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. -0.012 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

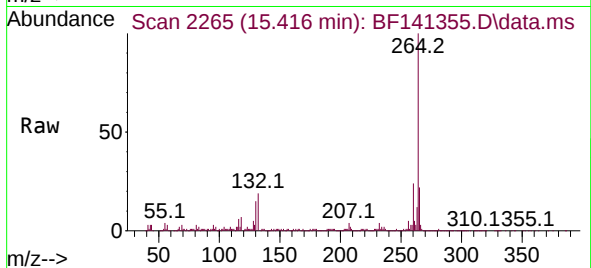
Tgt Ion:228 Resp: 49710  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.1 36.1  
229 22.5 15.6 23.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.416 min Scan# 2194  
Delta R.T. -0.024 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

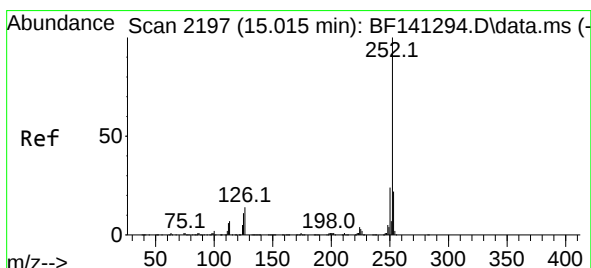
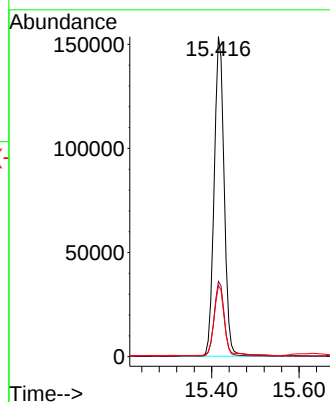
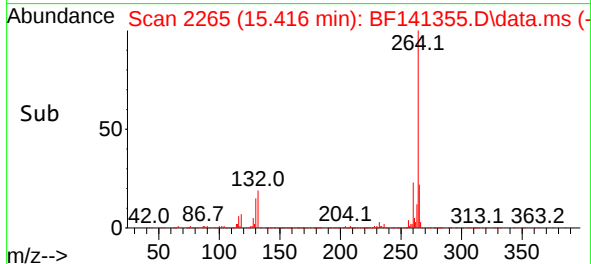
Instrument :  
BNA\_F  
ClientSampleId :  
348



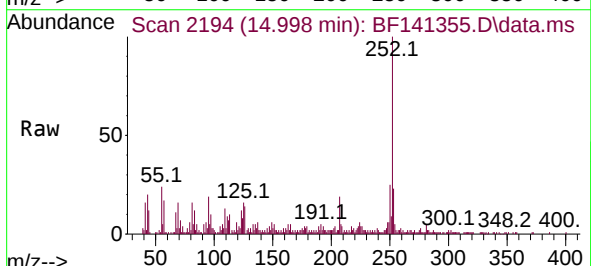
Tgt Ion:264 Resp: 244978  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.6 27.8  
265 22.2 16.7 25.1

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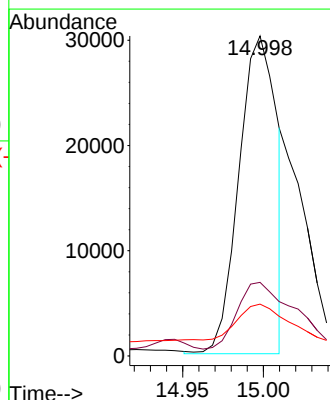
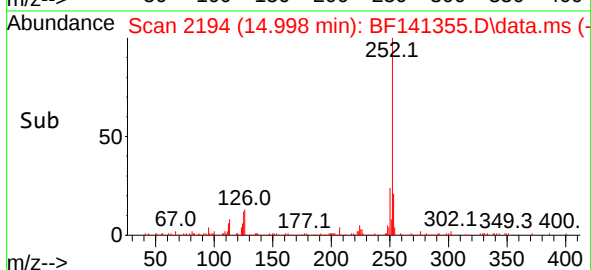
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

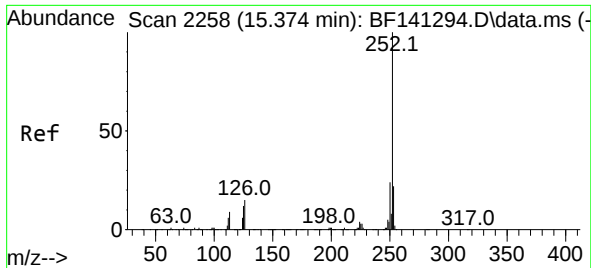


#88  
Benzo(b)fluoranthene  
Concen: 3.204 ng m  
RT: 14.998 min Scan# 2194  
Delta R.T. -0.024 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51



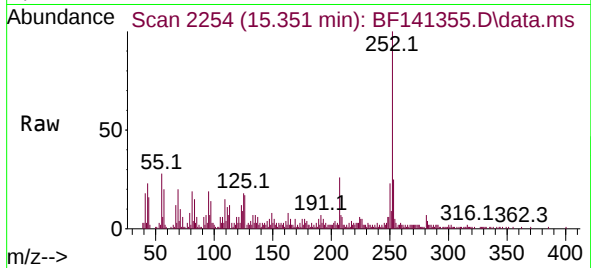
Tgt Ion:252 Resp: 49379  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.2  
125 16.2 8.6 12.8#





#90  
Benzo(a)pyrene  
Concen: 2.737 ng  
RT: 15.351 min Scan# 21  
Delta R.T. -0.029 min  
Lab File: BF141355.D  
Acq: 01 Feb 2025 01:51

Instrument :  
BNA\_F  
ClientSampleId :  
348



Tgt Ion:252 Resp: 3563  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.2 25.8  
125 18.2 9.4 14.2

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

