

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112425\  
 Data File : BF144341.D  
 Acq On : 24 Nov 2025 23:42  
 Operator : RC/JU  
 Sample : Q3710-03 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPRESSOR-EXCAVATION

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025  
 Supervised By :mohammad ahmed 11/26/2025

Quant Time: Nov 25 00:31:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 05 18:37:33 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.857  | 152  | 61125    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.145  | 136  | 226635   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.898  | 164  | 119243   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.392 | 188  | 197833   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.039 | 240  | 162365   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.521 | 264  | 149139   | 20.000 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 141272   | 36.167 | ng    | -0.01    |
| 7) Phenol-d6                | 6.487  | 99   | 161993   | 36.601 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.422  | 82   | 94212    | 24.009 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.692 | 330  | 44530    | 29.759 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.216  | 172  | 195374   | 24.199 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.974 | 244  | 174350   | 17.057 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.416 | 178  | 36444    | 3.700  | ng    | 98       |
| 75) Fluoranthene            | 12.610 | 202  | 60198    | 5.916  | ng    | 97       |
| 78) Pyrene                  | 12.839 | 202  | 52022    | 3.974  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.027 | 228  | 31955    | 2.840  | ng    | # 90     |
| 83) Chrysene                | 14.063 | 228  | 30885    | 2.973  | ng    | # 91     |
| 88) Benzo(b)fluoranthene    | 15.086 | 252  | 31203m   | 3.680  | ng    |          |
| 90) Benzo(a)pyrene          | 15.457 | 252  | 19494    | 2.492  | ng    | # 77     |
| -----                       |        |      |          |        |       |          |

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

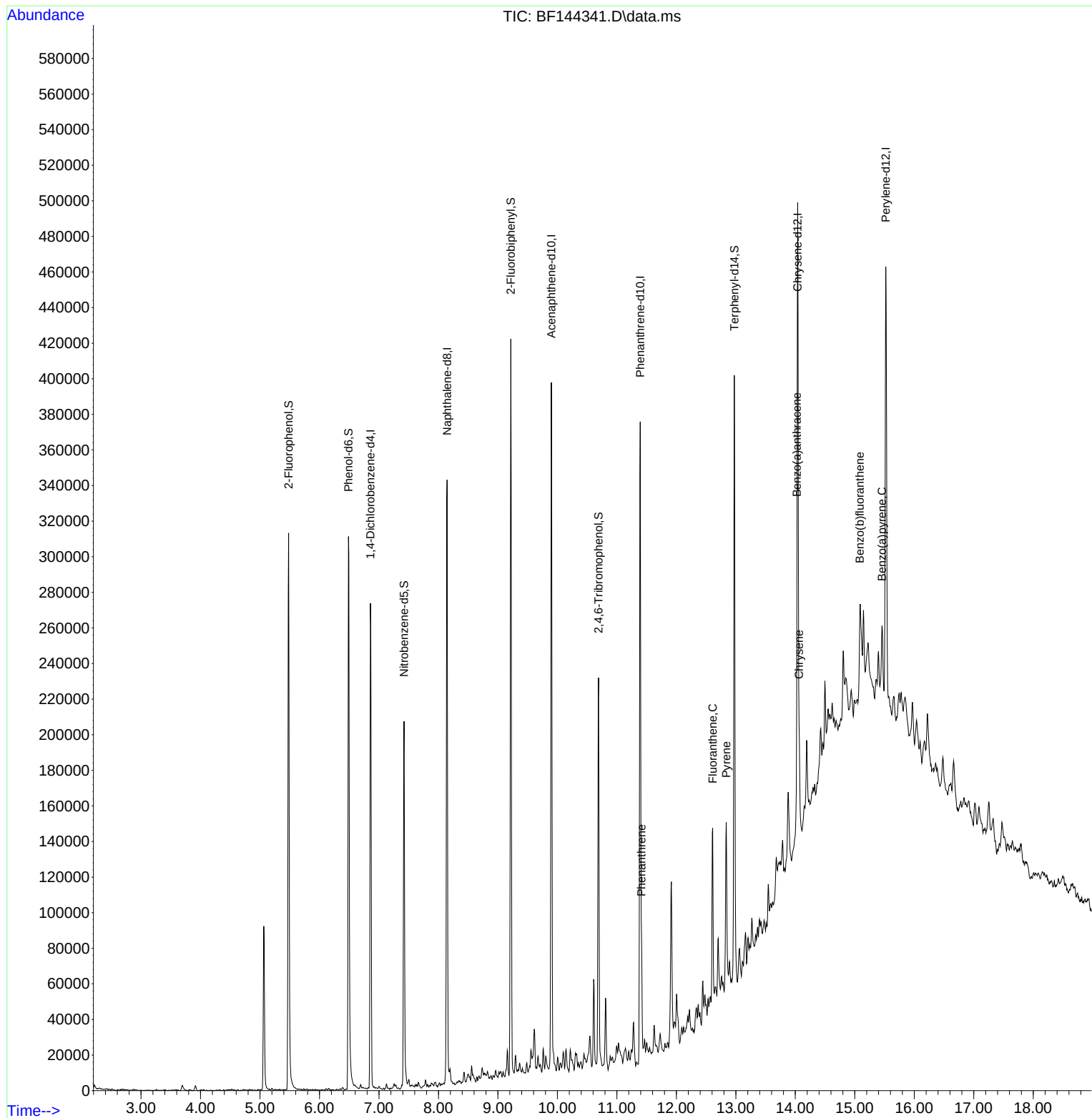
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112425\  
Data File : BF144341.D  
Acq On : 24 Nov 2025 23:42  
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Sample : Q3710-03 2X  
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ALS Vial : 22 Sample Multiplier: 1

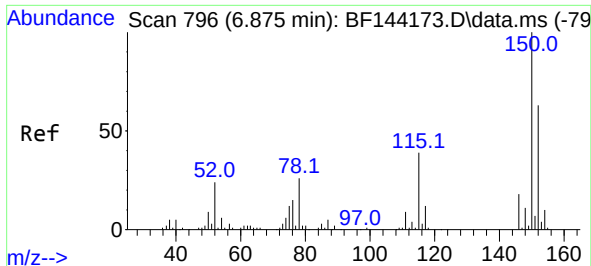
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION

Quant Time: Nov 25 00:31:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 05 18:37:33 2025  
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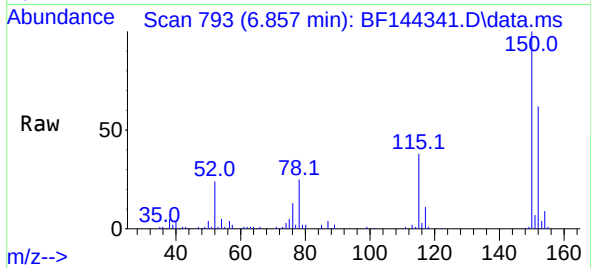
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 796  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

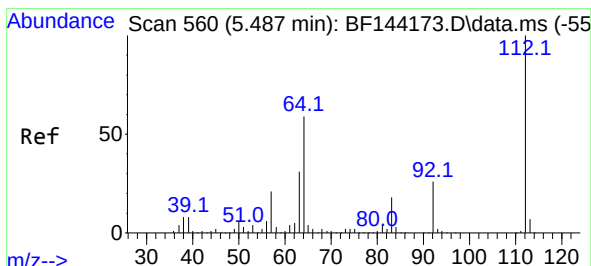
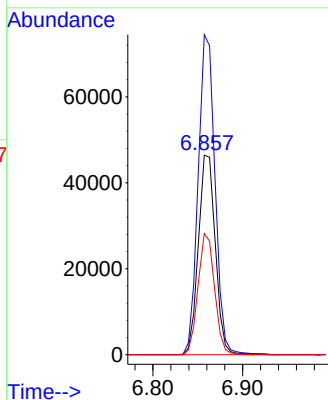
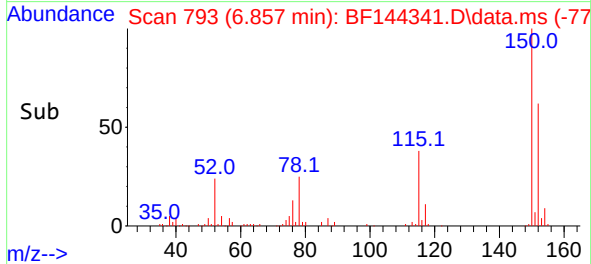
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



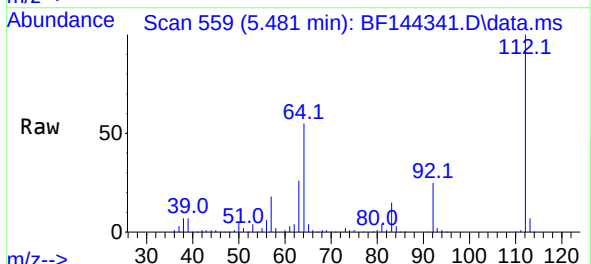
Tgt Ion:152 Resp: 61125  
Ion Ratio Lower Upper  
152 100  
150 160.3 127.4 191.0  
115 60.7 49.5 74.3

Manual Integrations  
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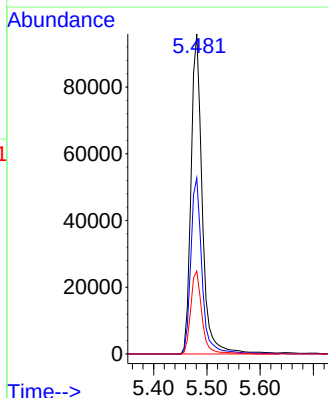
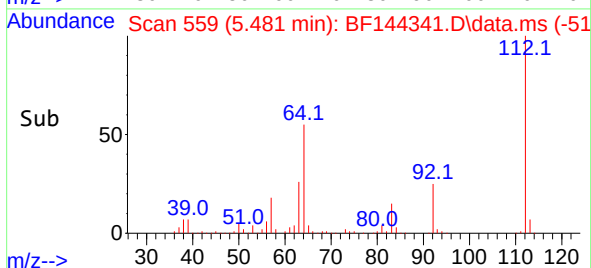
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025

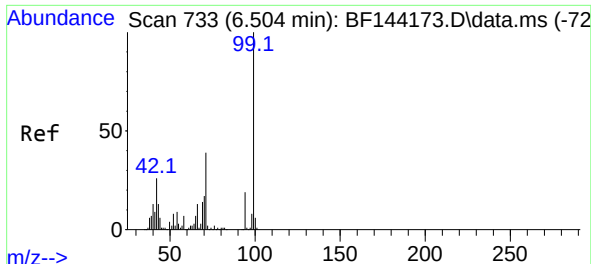


#5  
2-Fluorophenol  
Concen: 36.167 ng  
RT: 5.481 min Scan# 559  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42



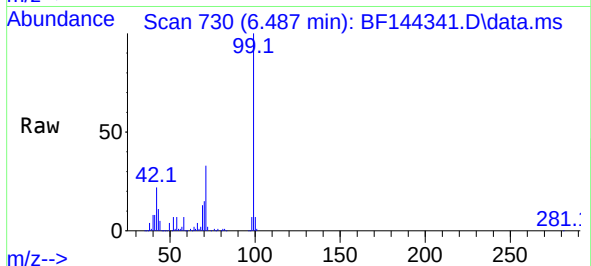
Tgt Ion:112 Resp: 141272  
Ion Ratio Lower Upper  
112 100  
64 54.9 47.2 70.8  
63 25.9 24.4 36.6





#7  
Phenol-d6  
Concen: 36.601 ng  
RT: 6.487 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

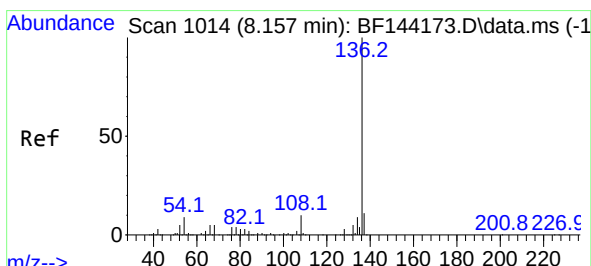
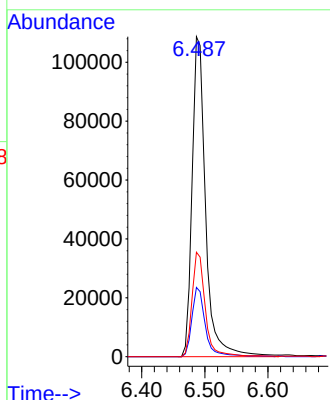
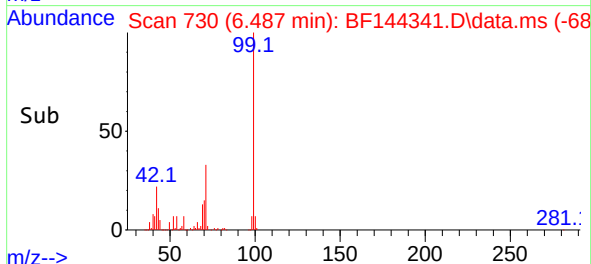
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion: 99 Resp: 16199  
Ion Ratio Lower Upper  
99 100  
42 21.7 20.9 31.3  
71 32.7 31.4 47.2

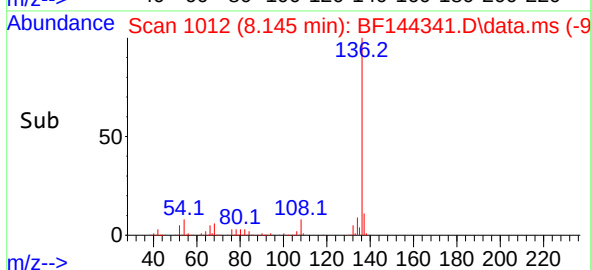
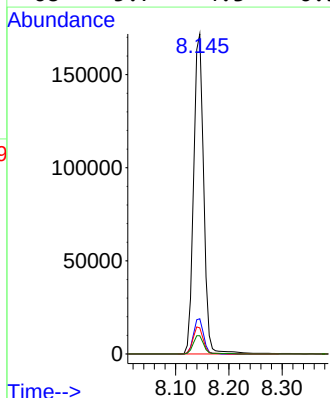
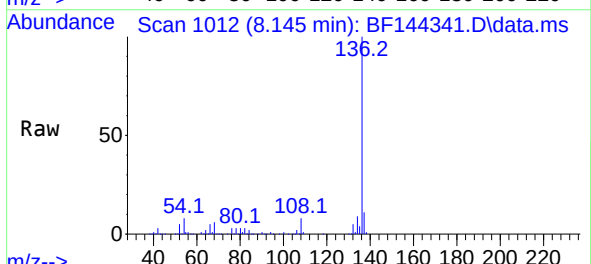
Manual Integrations  
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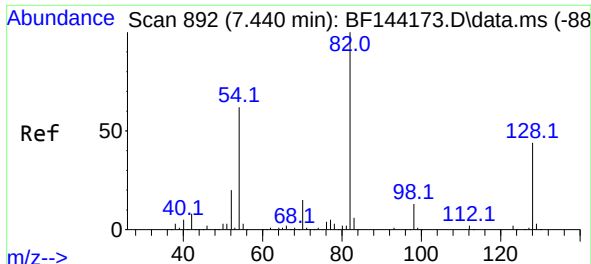
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1012  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

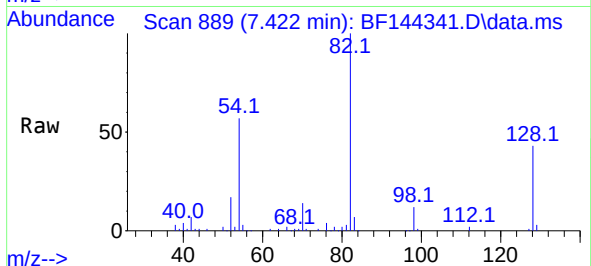
Tgt Ion:136 Resp: 226635  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.2 7.0 10.6  
68 5.7 4.3 6.5





#23  
Nitrobenzene-d5  
Concen: 24.009 ng  
RT: 7.422 min Scan# 892  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

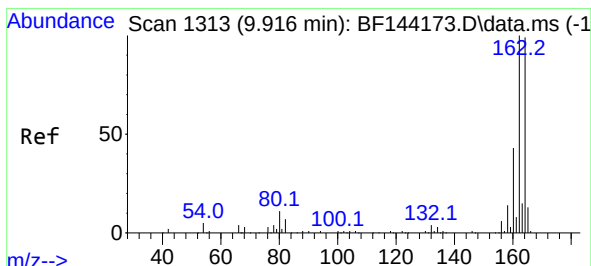
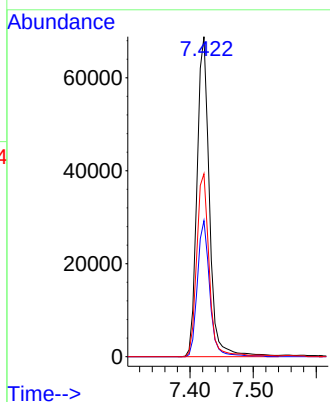
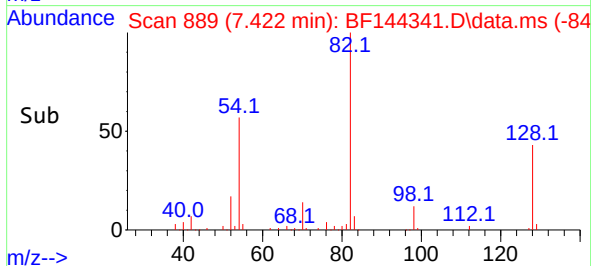
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion: 82 Resp: 9421  
Ion Ratio Lower Upper  
82 100  
128 42.5 34.7 52.1  
54 57.1 49.5 74.3

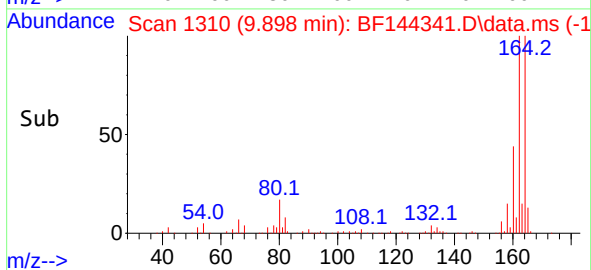
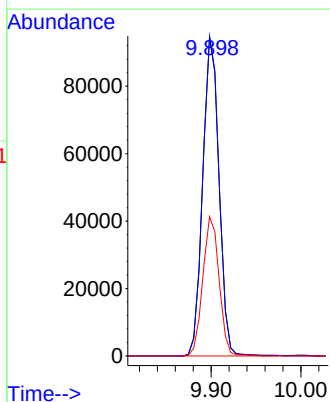
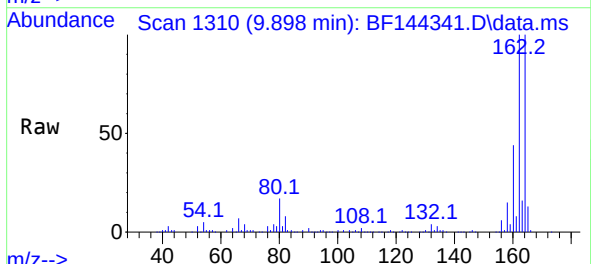
Manual Integrations  
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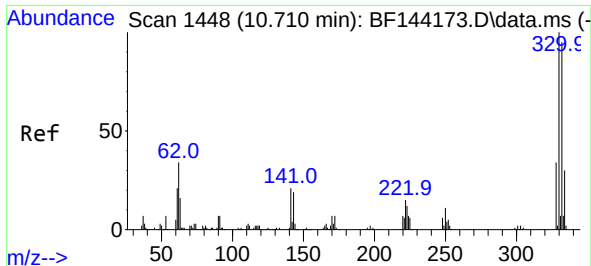
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1310  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

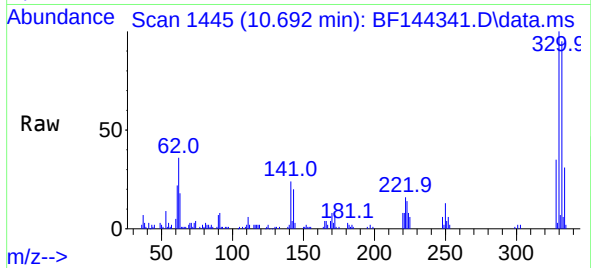
Tgt Ion:164 Resp: 119243  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.1 121.7  
160 43.7 34.5 51.7





#42  
2,4,6-Tribromophenol  
Concen: 29.759 ng  
RT: 10.692 min Scan# 1445  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

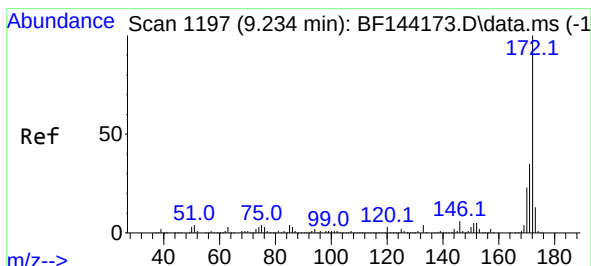
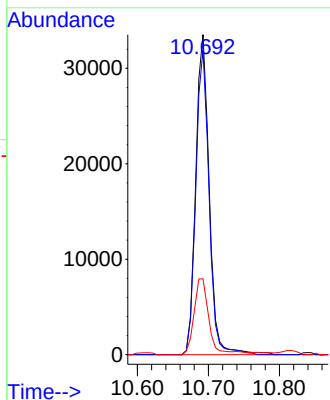
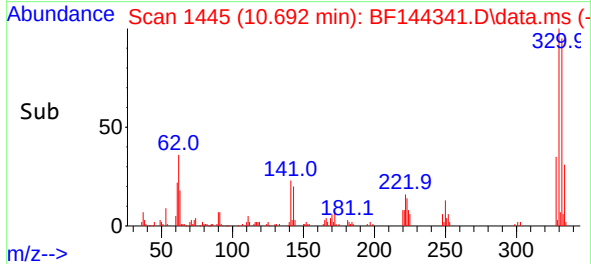
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



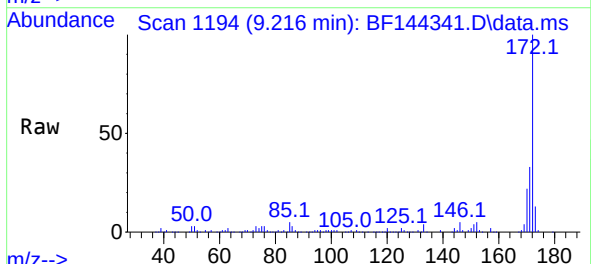
Tgt Ion: 330 Resp: 44530  
Ion Ratio Lower Upper  
330 100  
332 93.2 76.7 115.1  
141 26.3 17.8 26.8

Manual Integrations  
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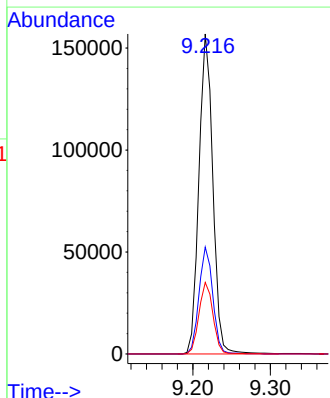
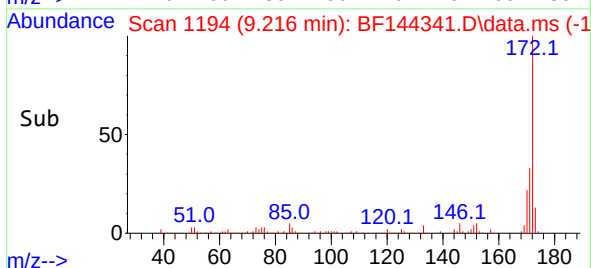
Reviewed By : Jagrut Upadhyay 11/25/2025  
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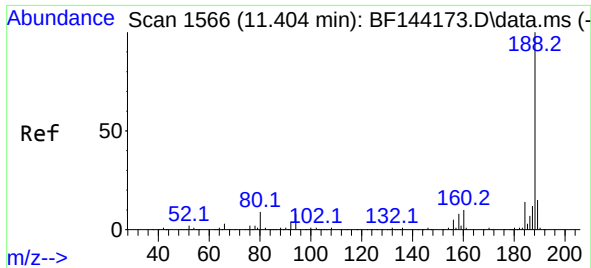


#45  
2-Fluorobiphenyl  
Concen: 24.199 ng  
RT: 9.216 min Scan# 1194  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42



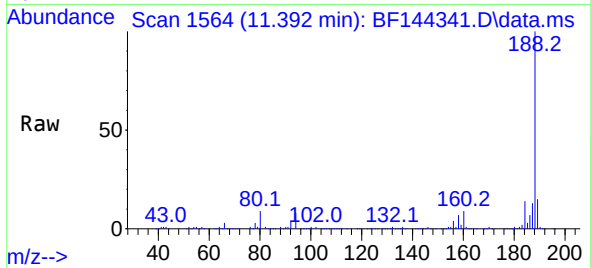
Tgt Ion: 172 Resp: 195374  
Ion Ratio Lower Upper  
172 100  
171 33.4 28.1 42.1  
170 22.4 18.6 28.0





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1566  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

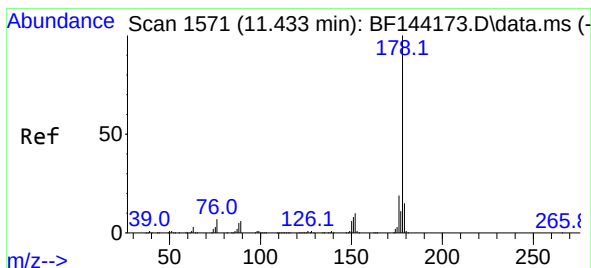
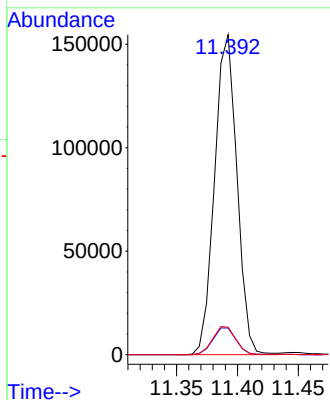
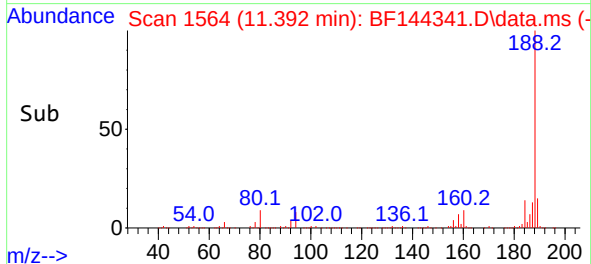
Instrument :  
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COMPRESSOR-EXCAVATION



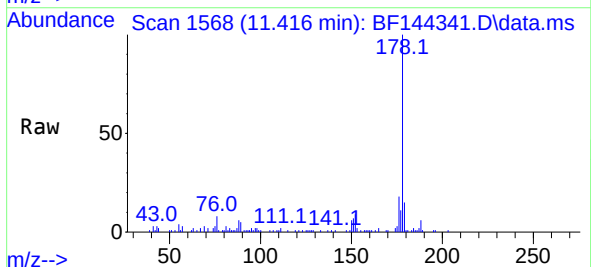
Tgt Ion:188 Resp: 19783  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.2 9.2  
80 8.6 6.9 10.3

Manual Integrations  
APPROVED

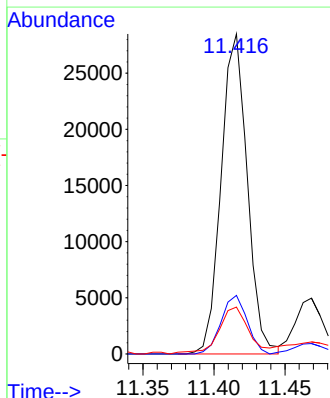
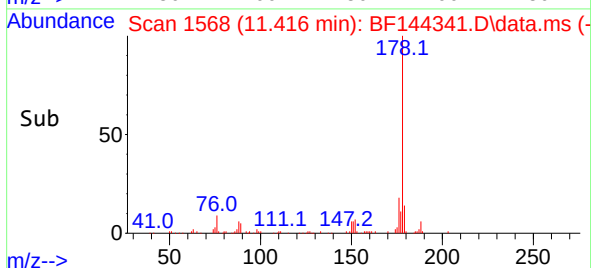
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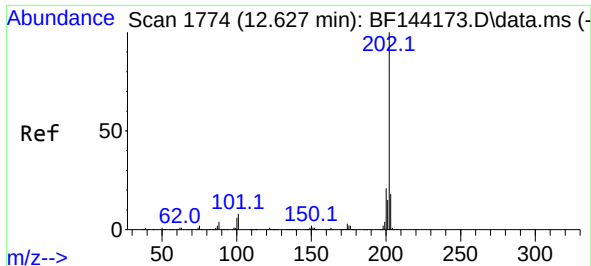


#71  
Phenanthrene  
Concen: 3.700 ng  
RT: 11.416 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42



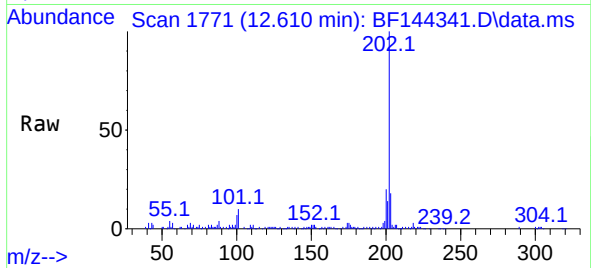
Tgt Ion:178 Resp: 36444  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.5 23.3  
179 14.7 12.2 18.4





#75  
Fluoranthene  
Concen: 5.916 ng  
RT: 12.610 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

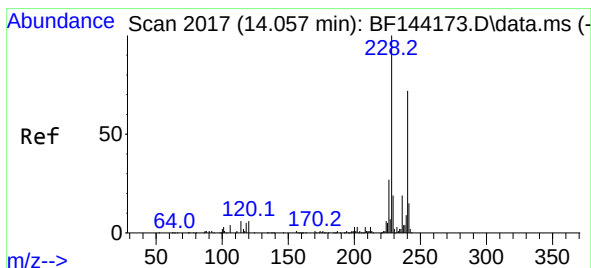
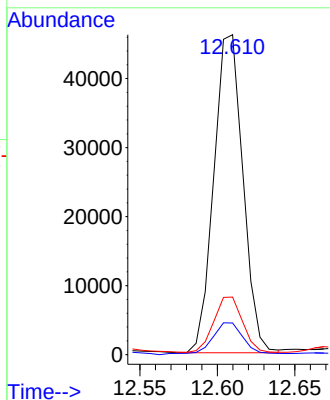
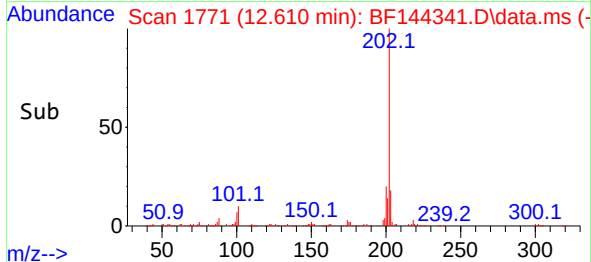
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion:202 Resp: 60198  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 27.9  
203 18.0 0.0 37.5

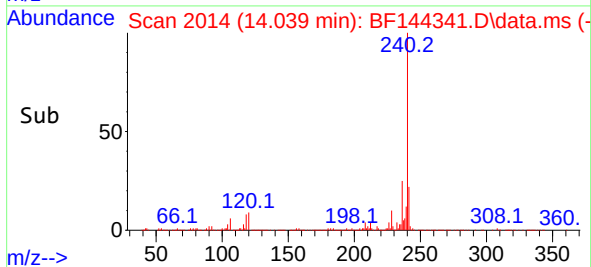
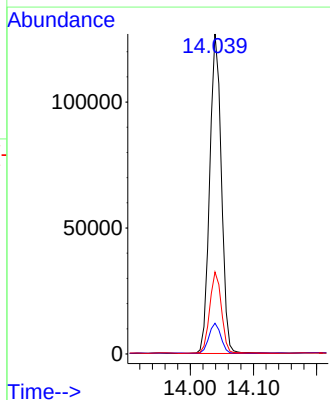
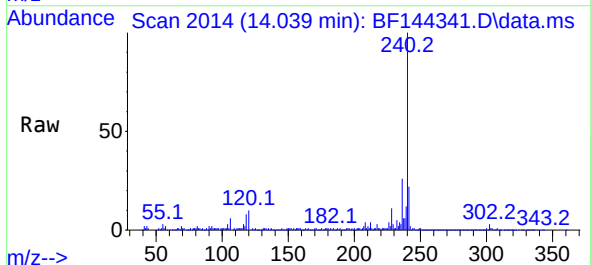
Manual Integrations  
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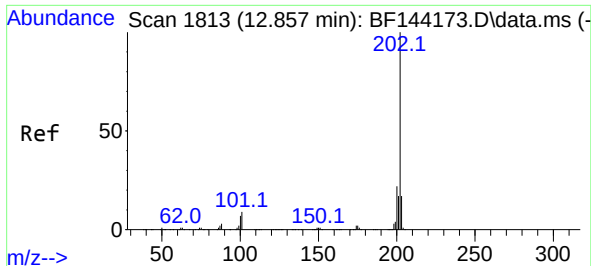


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2014  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

Tgt Ion:240 Resp: 162365  
Ion Ratio Lower Upper  
240 100  
120 9.6 6.6 10.0  
236 25.6 21.4 32.2

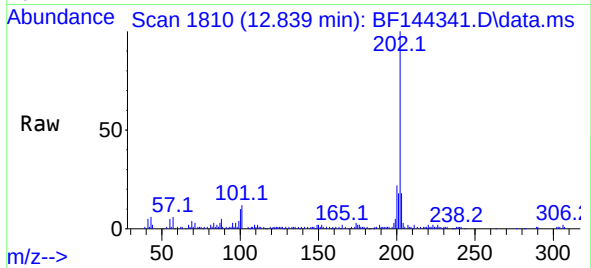






#78  
Pyrene  
Concen: 3.974 ng  
RT: 12.839 min Scan# 1810  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

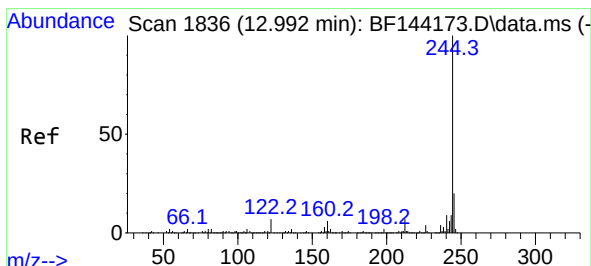
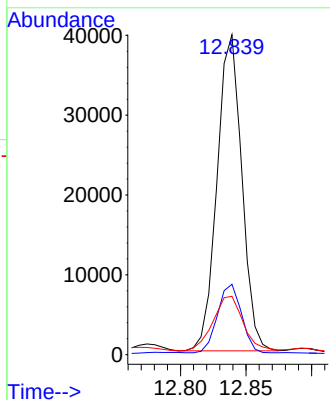
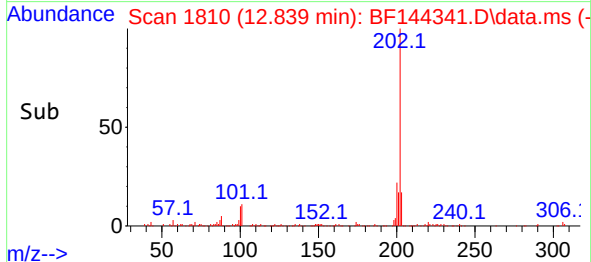
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion:202 Resp: 5202  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.2 25.8  
203 18.2 13.7 20.5

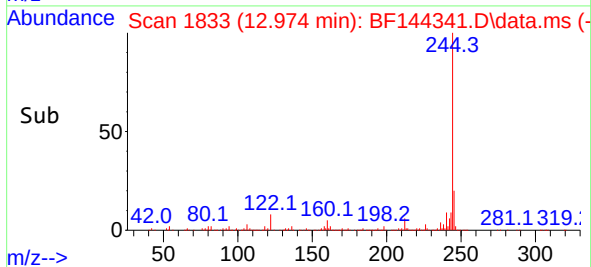
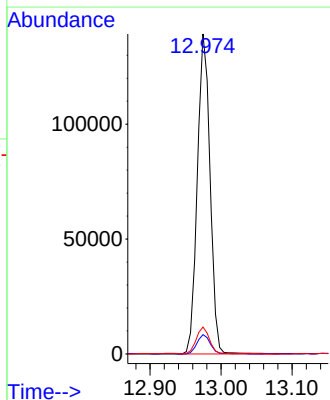
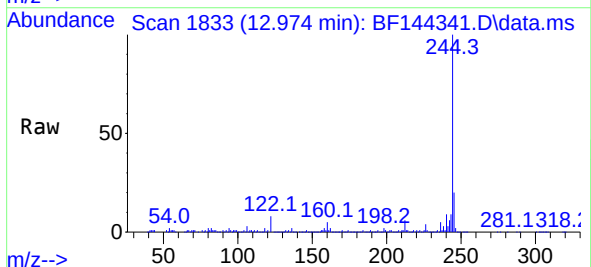
Manual Integrations  
APPROVED

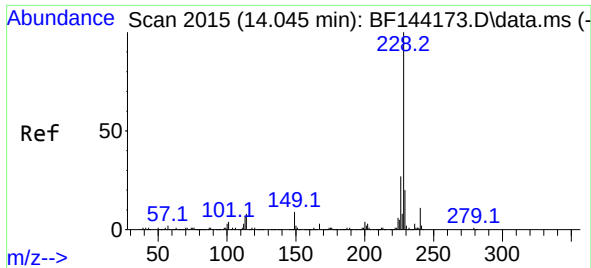
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025



#79  
Terphenyl-d14  
Concen: 17.057 ng  
RT: 12.974 min Scan# 1833  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

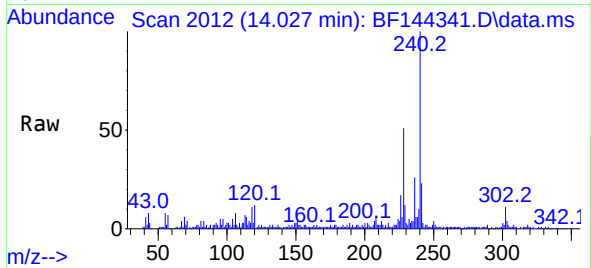
Tgt Ion:244 Resp: 174350  
Ion Ratio Lower Upper  
244 100  
212 6.1 5.3 7.9  
122 8.4 5.6 8.4#





#81  
Benzo(a)anthracene  
Concen: 2.840 ng  
RT: 14.027 min Scan# 2012  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

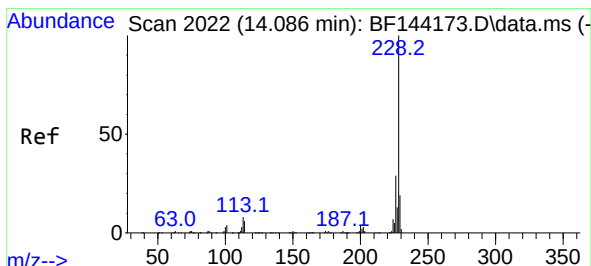
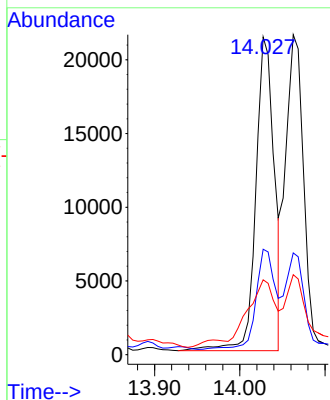
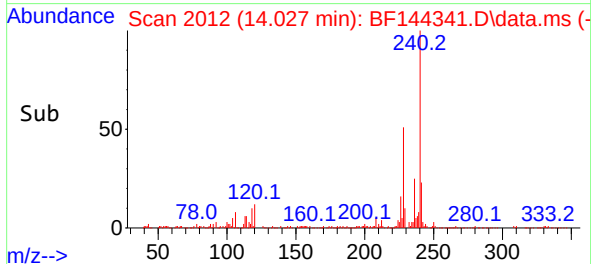
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion:228 Resp: 3195  
Ion Ratio Lower Upper  
228 100  
226 33.2 21.8 32.8  
229 23.5 15.8 23.6

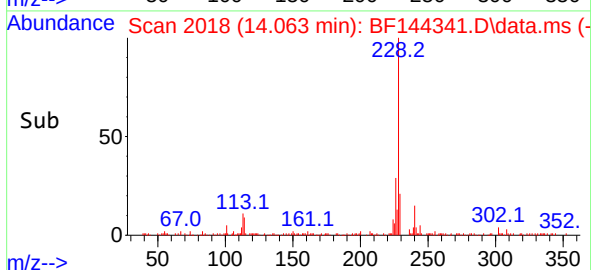
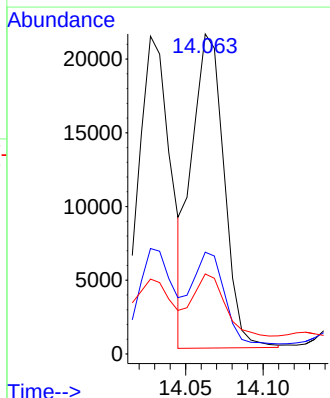
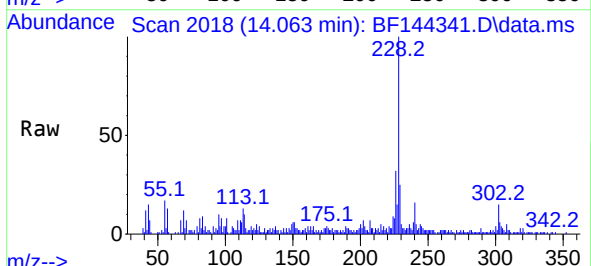
Manual Integrations  
APPROVED

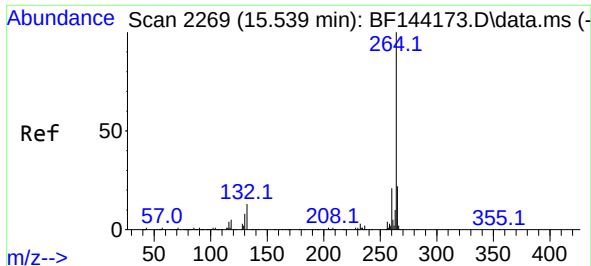
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025



#83  
Chrysene  
Concen: 2.973 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

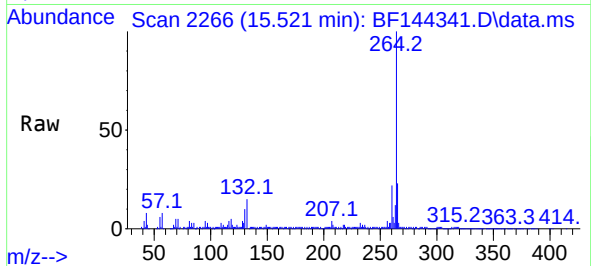
Tgt Ion:228 Resp: 30885  
Ion Ratio Lower Upper  
228 100  
226 31.8 22.9 34.3  
229 25.0 15.0 22.6#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.521 min Scan# 2192  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

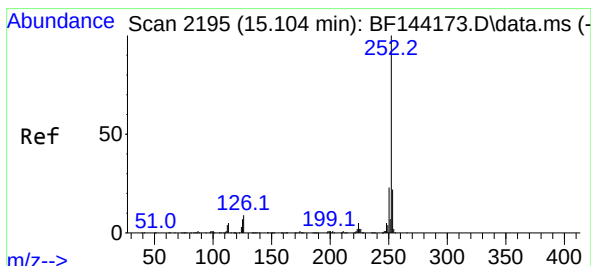
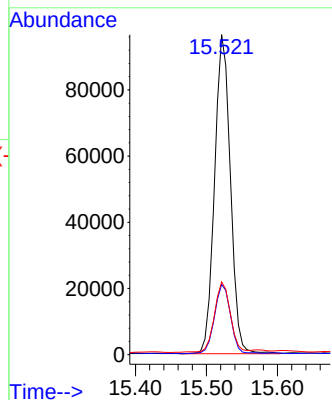
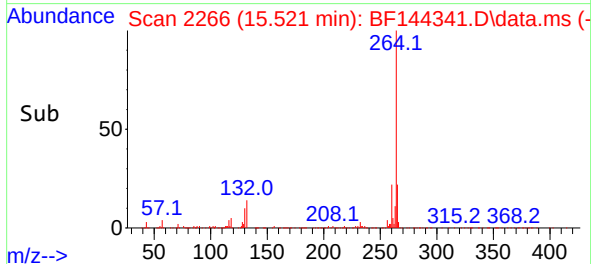
Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion:264 Resp: 149139  
Ion Ratio Lower Upper  
264 100  
260 22.0 17.1 25.7  
265 22.7 17.4 26.0

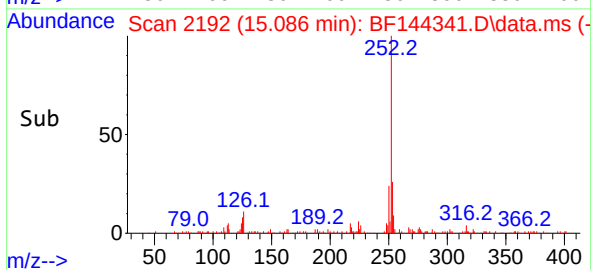
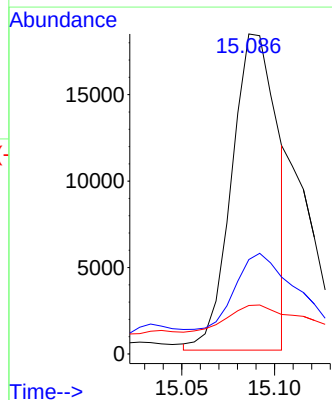
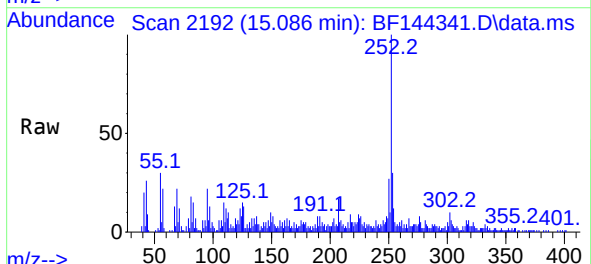
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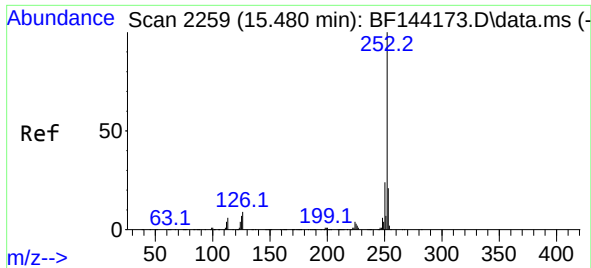
Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025



#88  
Benzo(b)fluoranthene  
Concen: 3.680 ng m  
RT: 15.086 min Scan# 2192  
Delta R.T. -0.012 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

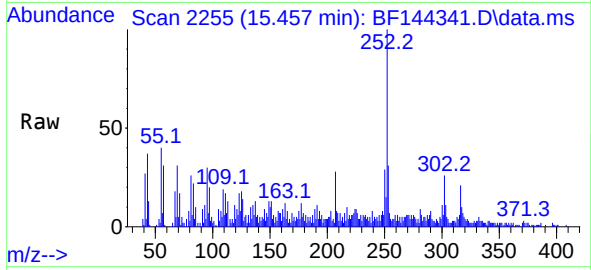
Tgt Ion:252 Resp: 31203  
Ion Ratio Lower Upper  
252 100  
253 29.5 17.4 26.2#  
125 15.2 5.3 7.9#





#90  
Benzo(a)pyrene  
Concen: 2.492 ng  
RT: 15.457 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF144341.D  
Acq: 24 Nov 2025 23:42

Instrument :  
BNA\_F  
ClientSampleId :  
COMPRESSOR-EXCAVATION



Tgt Ion:252 Resp: 19494  
Ion Ratio Lower Upper  
252 100  
253 30.6 16.7 25.1  
125 17.6 5.7 8.5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025  
Supervised By :mohammad ahmed 11/26/2025

