

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100322\  
 Data File : BF130507.D  
 Acq On : 03 Oct 2022 19:31  
 Operator : CG\JU  
 Sample : N4936-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2-T-2-(0-6)

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/04/2022  
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 04 03:19:04 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 28 02:59:31 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.634  | 152  | 86474    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.916  | 136  | 313095   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.669  | 164  | 132484   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.145 | 188  | 177467   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.780 | 240  | 179706   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.169 | 264  | 204305   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.240  | 112  | 529202   | 106.145 | ng    | 0.00     |
| 7) Phenol-d6                | 6.281  | 99   | 568847   | 91.188  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.204  | 82   | 381825   | 62.303  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.457 | 330  | 89243    | 70.301  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 8.992  | 172  | 596926   | 65.611  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.733 | 244  | 445092   | 41.028  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 49) Acenaphthylene          | 9.528  | 152  | 36814    | 3.068   | ng    | 98       |
| 71) Phenanthrene            | 11.169 | 178  | 132643   | 13.313  | ng    | 99       |
| 72) Anthracene              | 11.222 | 178  | 29625    | 3.081   | ng    | 99       |
| 75) Fluoranthene            | 12.357 | 202  | 269725   | 28.015  | ng    | 98       |
| 78) Pyrene                  | 12.580 | 202  | 242087   | 15.399  | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.769 | 228  | 152467m  | 12.753  | ng    |          |
| 83) Chrysene                | 13.804 | 228  | 136668   | 12.040  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.480 | 276  | 123878   | 8.550   | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 14.780 | 252  | 251086m  | 18.829  | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.804 | 252  | 77535m   | 5.911   | ng    |          |
| 90) Benzo(a)pyrene          | 15.110 | 252  | 168401   | 15.940  | ng    | 98       |
| 92) Benzo(g,h,i)perylene    | 16.880 | 276  | 102127   | 8.530   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

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

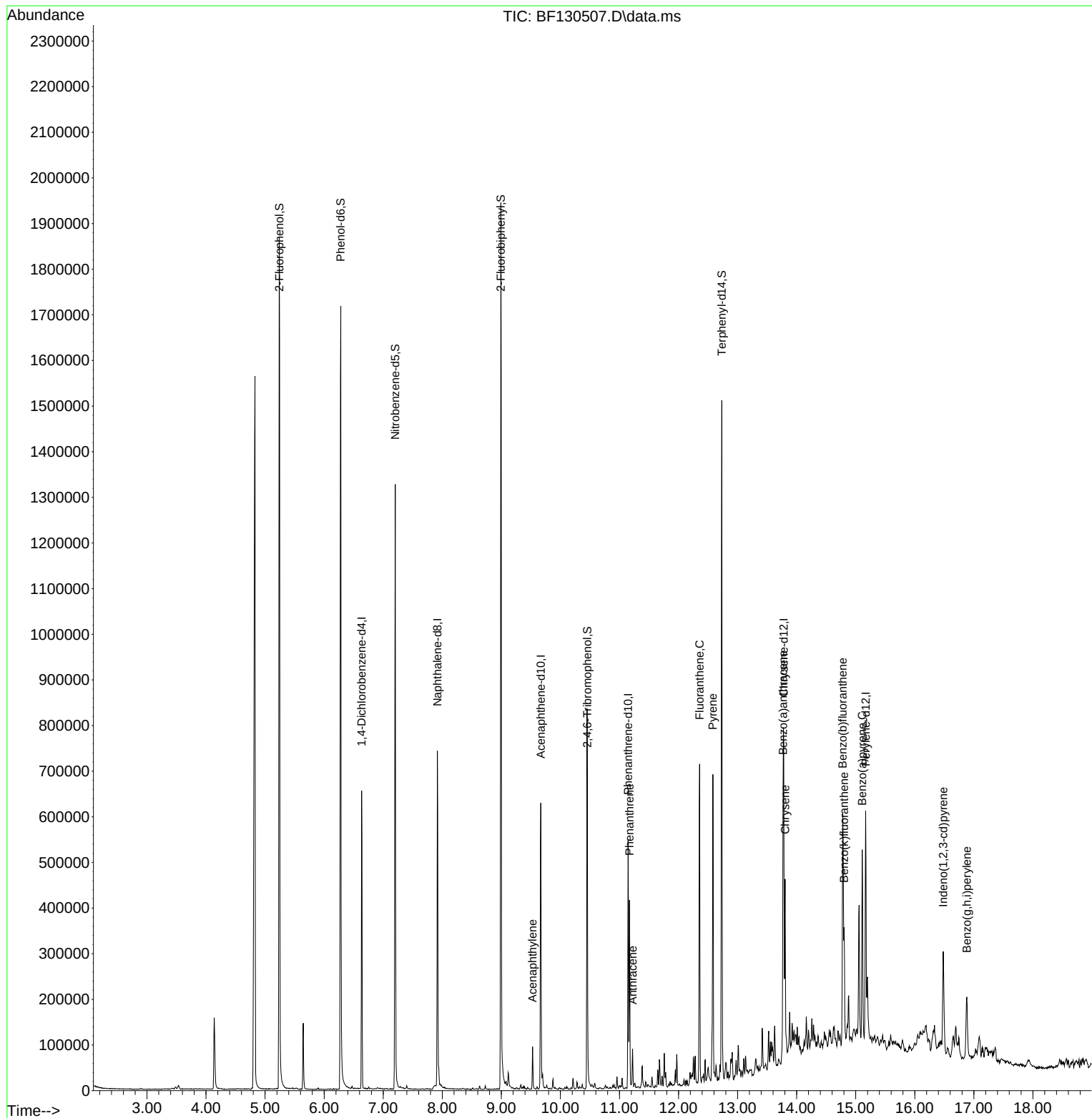
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100322\  
Data File : BF130507.D  
Acq On : 03 Oct 2022 19:31  
Operator : CG\JU  
Sample : N4936-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

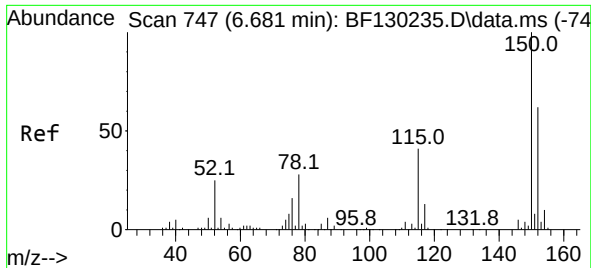
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022

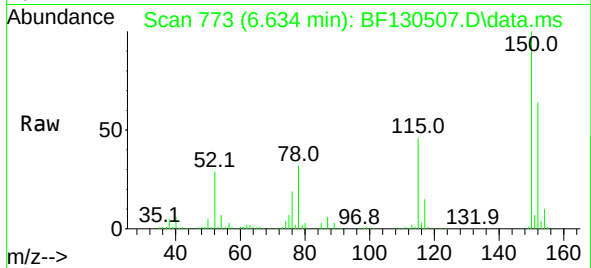
Quant Time: Oct 04 03:19:04 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 28 02:59:31 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.634 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

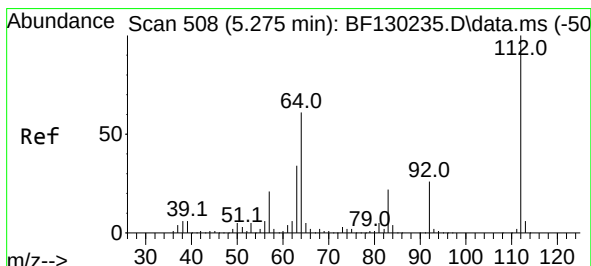
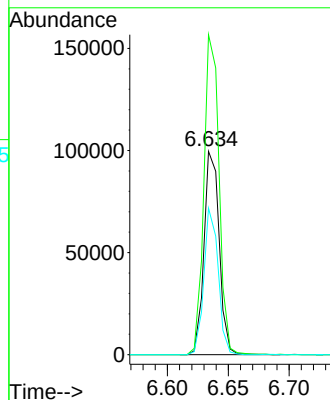
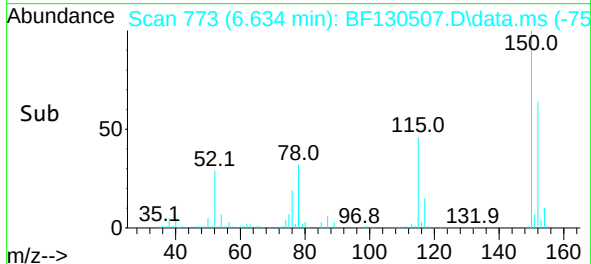
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



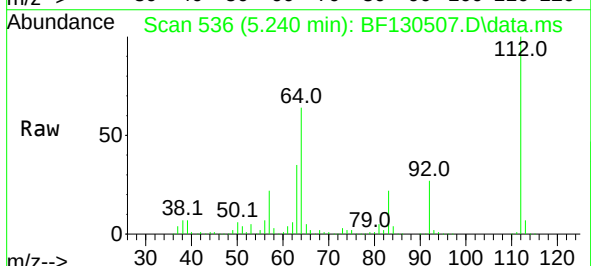
Tgt Ion:152 Resp: 86474  
Ion Ratio Lower Upper  
152 100  
150 157.3 122.8 184.2  
115 72.1 53.8 80.8

Manual Integrations  
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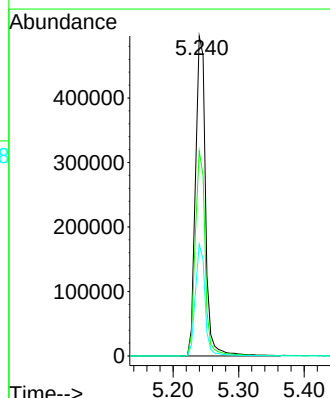
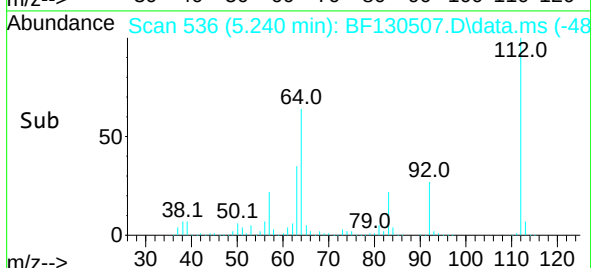
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022

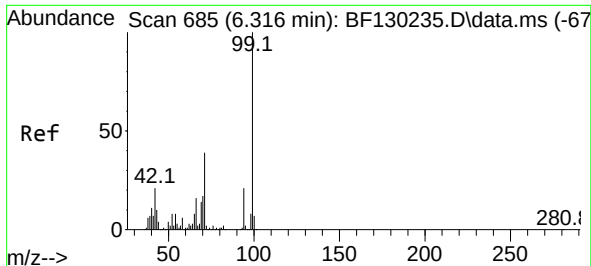


#5  
2-Fluorophenol  
Concen: 106.145 ng  
RT: 5.240 min Scan# 536  
Delta R.T. -0.006 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



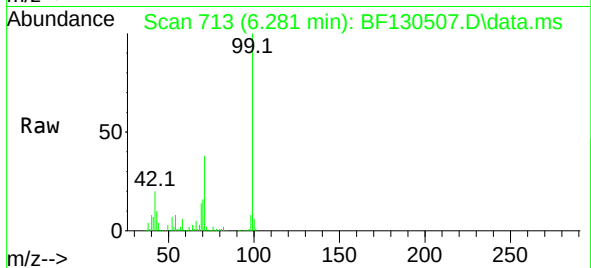
Tgt Ion:112 Resp: 529202  
Ion Ratio Lower Upper  
112 100  
64 64.0 51.4 77.0  
63 35.0 28.8 43.2





#7  
Phenol-d6  
Concen: 91.188 ng  
RT: 6.281 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

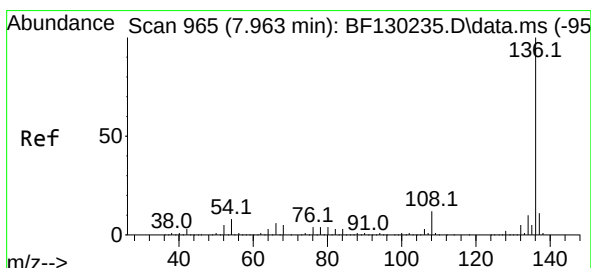
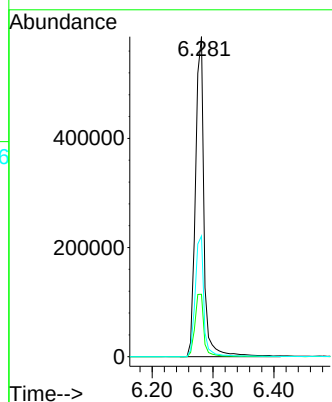
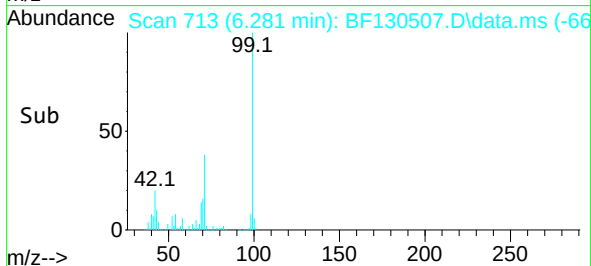
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



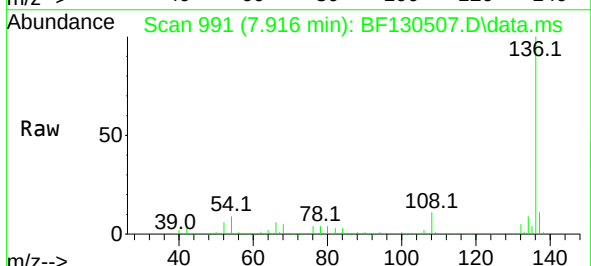
Tgt Ion: 99 Resp: 56884  
Ion Ratio Lower Upper  
99 100  
42 19.5 17.0 25.6  
71 37.7 32.3 48.5

Manual Integrations  
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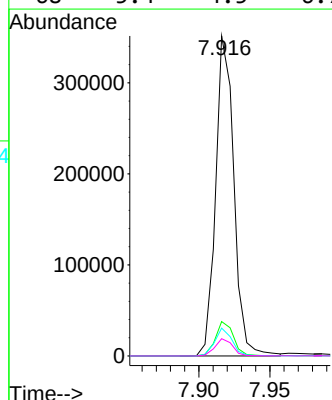
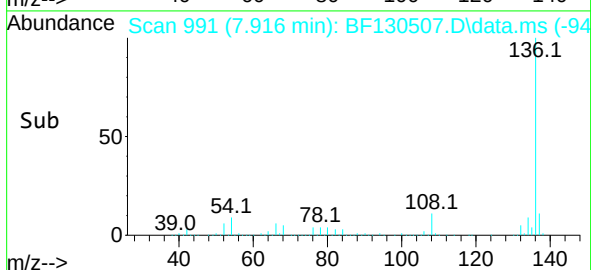
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022

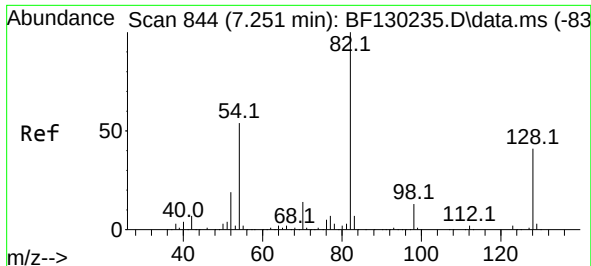


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.916 min Scan# 991  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



Tgt Ion:136 Resp: 313095  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.1 13.7  
54 8.7 7.1 10.7  
68 5.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 62.303 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130507.D

Acq: 03 Oct 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

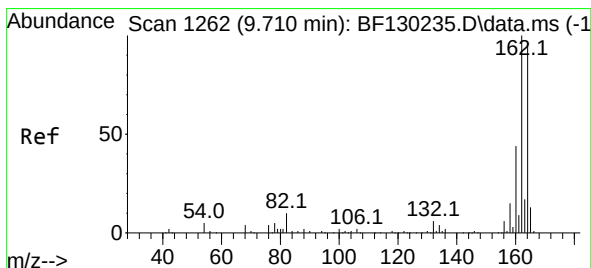
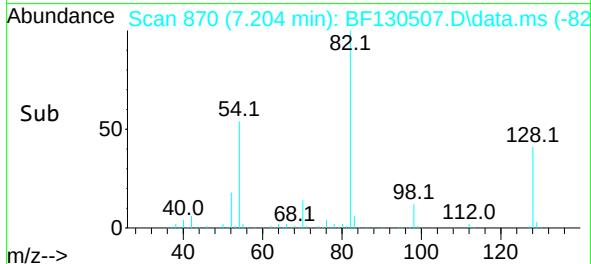
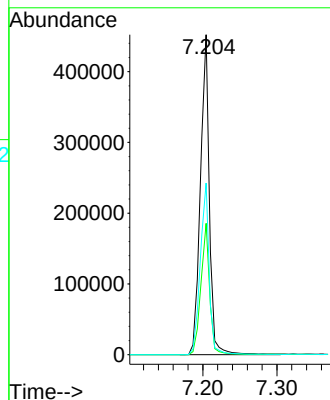
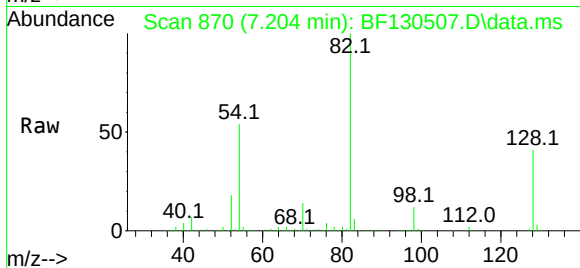
SASP2-T-2-(0-6)

Tgt Ion: 82 Resp: 381825  
 Ion Ratio Lower Upper  
 82 100  
 128 41.1 32.6 49.0  
 54 53.7 43.8 65.6

Manual Integrations

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 Supervised By :mohammad ahmed 10/06/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

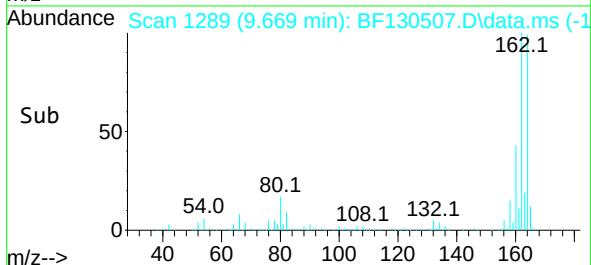
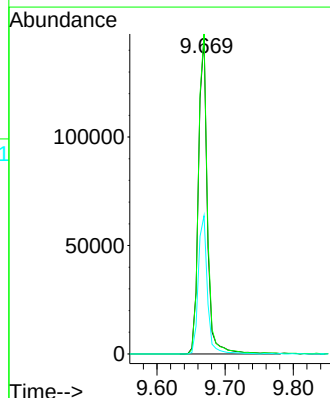
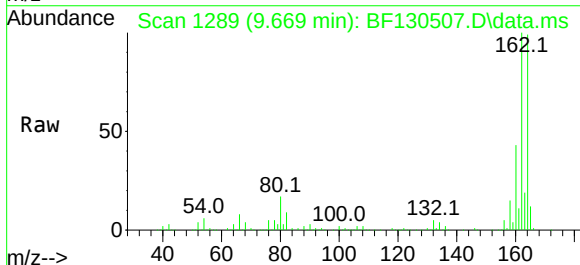
RT: 9.669 min Scan# 1289

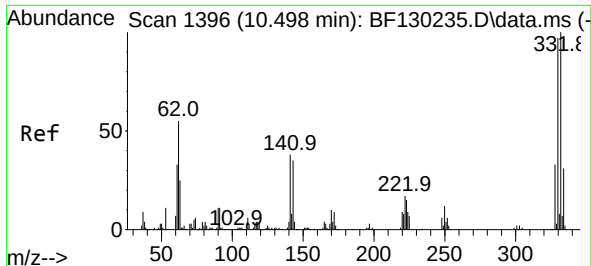
Delta R.T. -0.012 min

Lab File: BF130507.D

Acq: 03 Oct 2022 19:31

Tgt Ion:164 Resp: 132484  
 Ion Ratio Lower Upper  
 164 100  
 162 101.2 81.4 122.0  
 160 43.7 36.2 54.4





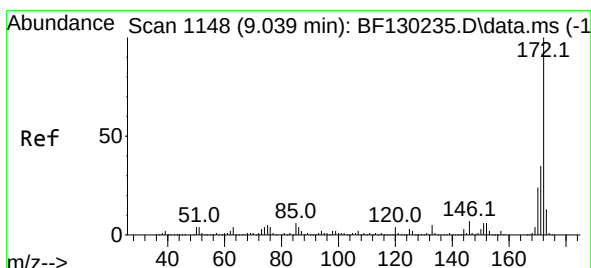
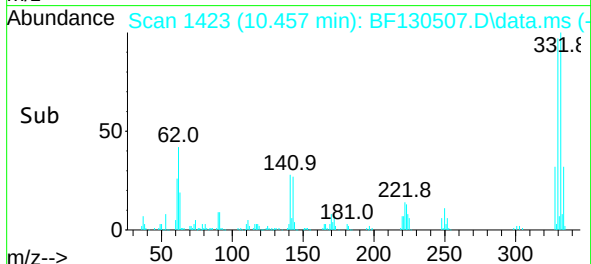
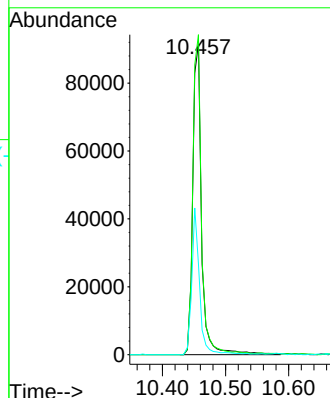
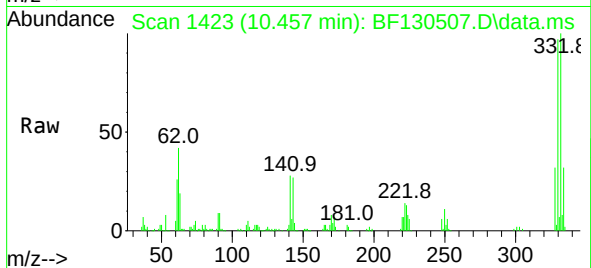
#42  
2,4,6-Tribromophenol  
Concen: 70.301 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)

Tgt Ion: 330 Resp: 8924  
Ion Ratio Lower Upper  
330 100  
332 101.4 83.4 125.2  
141 42.0 34.0 51.0

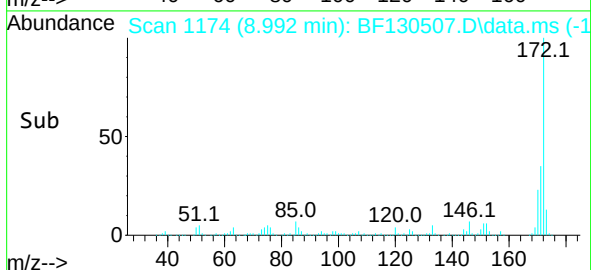
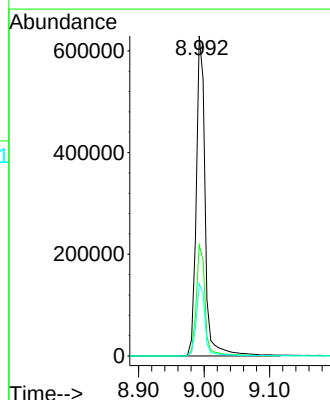
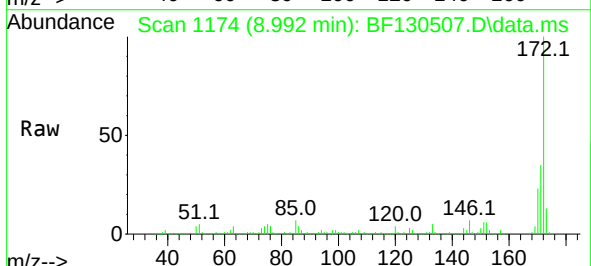
Manual Integrations  
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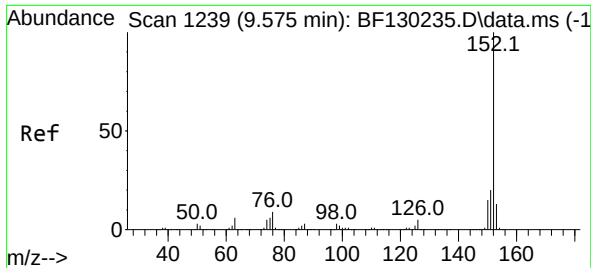
Reviewed By : Jagrut Upadhyay 10/04/2022  
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#45  
2-Fluorobiphenyl  
Concen: 65.611 ng  
RT: 8.992 min Scan# 1174  
Delta R.T. -0.017 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

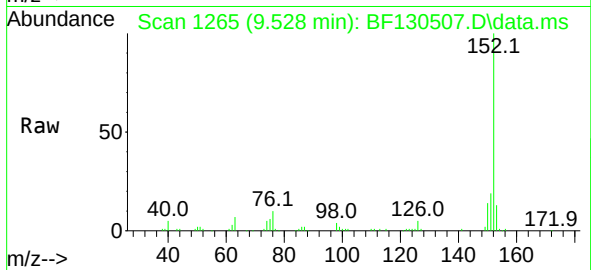
Tgt Ion: 172 Resp: 596926  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.3 42.5  
170 22.6 18.7 28.1





#49  
Acenaphthylene  
Concen: 3.068 ng  
RT: 9.528 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

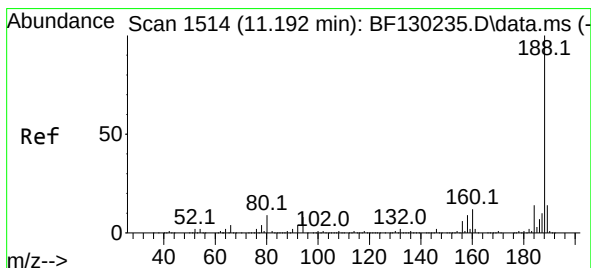
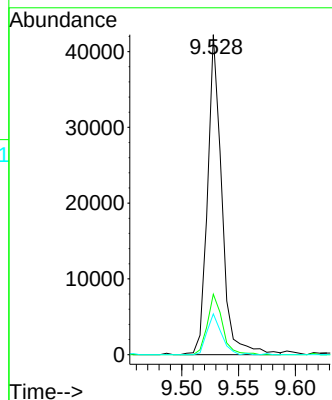
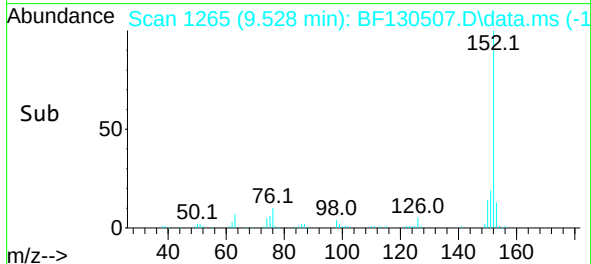
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



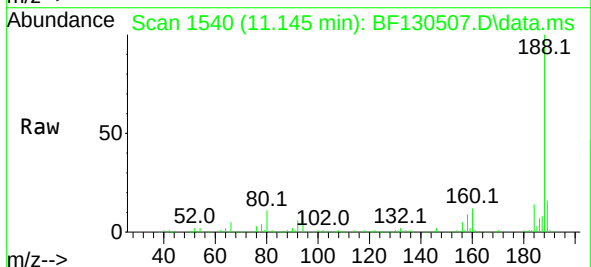
Tgt Ion:152 Resp: 36814  
Ion Ratio Lower Upper  
152 100  
151 18.9 16.2 24.2  
153 12.8 10.6 15.8

Manual Integrations  
APPROVED

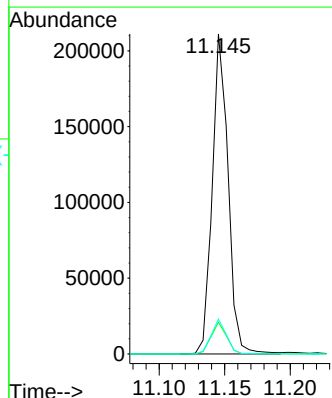
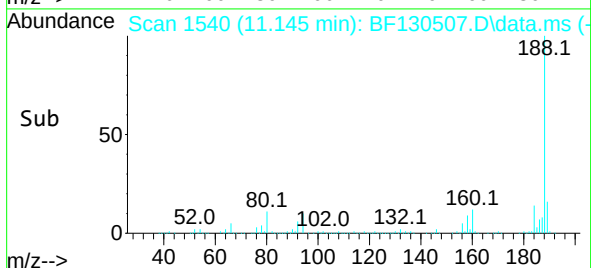
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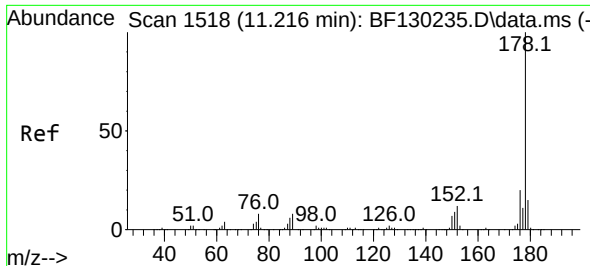


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.145 min Scan# 1540  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



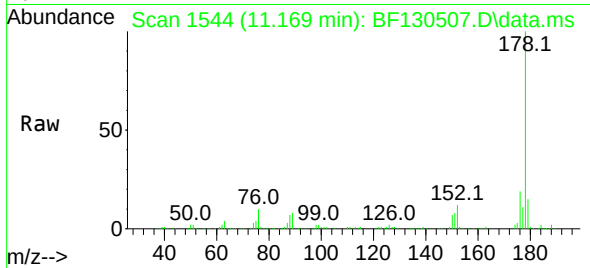
Tgt Ion:188 Resp: 177467  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.2  
80 10.9 7.9 11.9





#71  
Phenanthrene  
Concen: 13.313 ng  
RT: 11.169 min Scan# 1544  
Delta R.T. -0.017 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

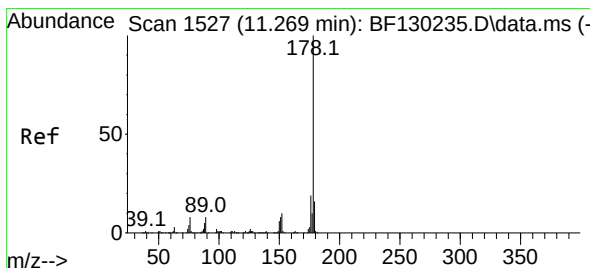
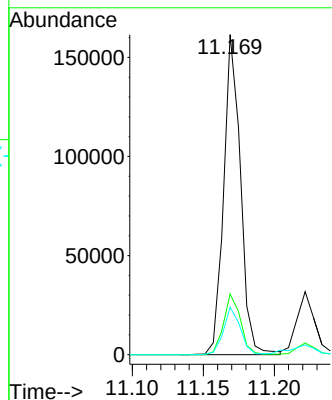
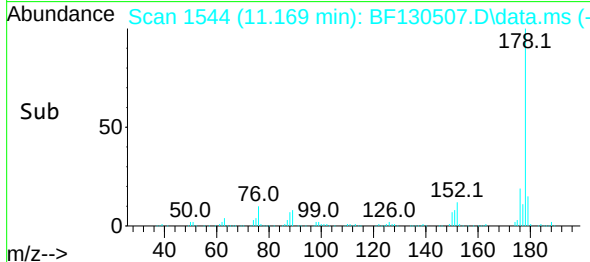
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



Tgt Ion:178 Resp: 13264  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.0  
179 14.8 12.4 18.6

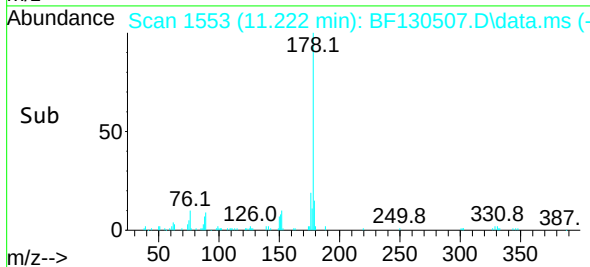
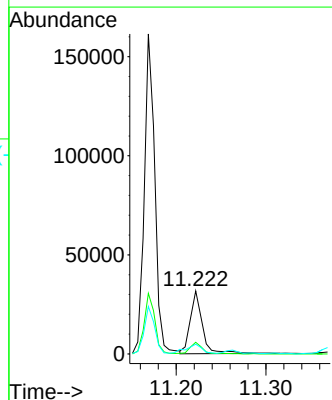
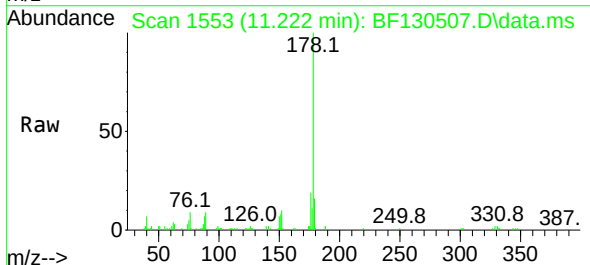
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Supervised By :mohammad ahmed 10/06/2022

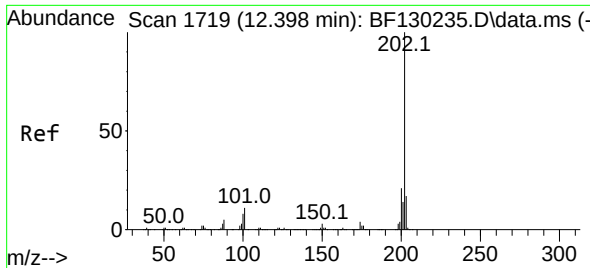


#72  
Anthracene  
Concen: 3.081 ng  
RT: 11.222 min Scan# 1553  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

Tgt Ion:178 Resp: 29625  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.0 22.6  
179 15.6 12.7 19.1

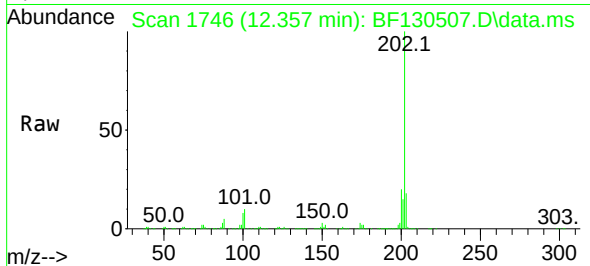






#75  
Fluoranthene  
Concen: 28.015 ng  
RT: 12.357 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

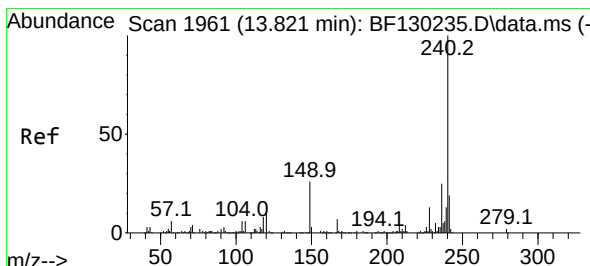
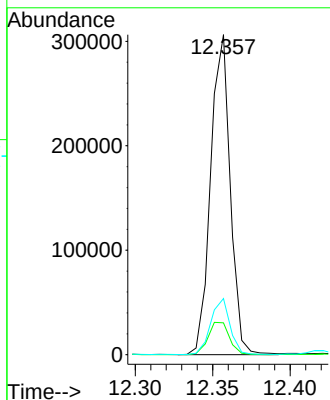
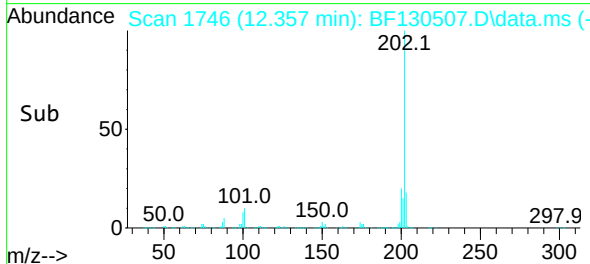
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



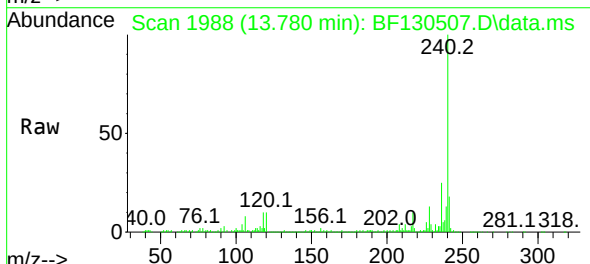
Tgt Ion:202 Resp: 269725  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 31.8  
203 17.6 0.0 37.8

Manual Integrations  
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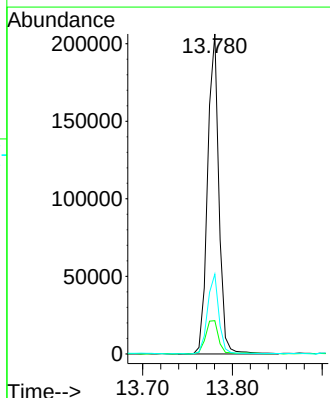
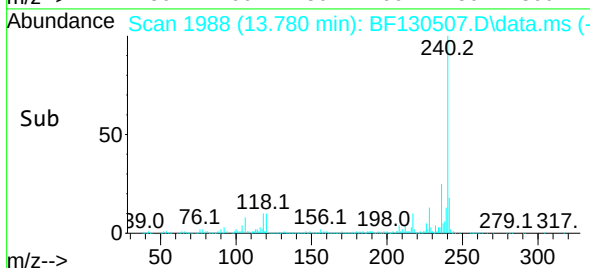
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022

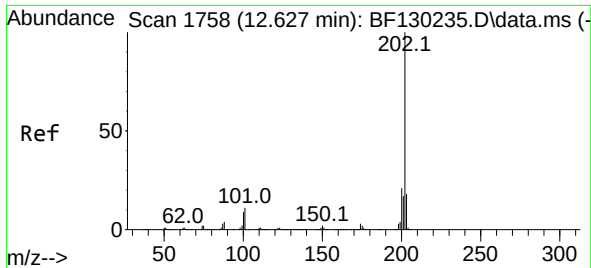


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.780 min Scan# 1988  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



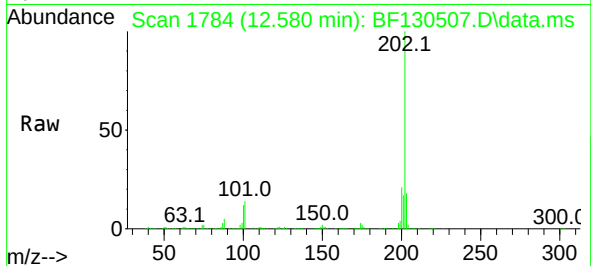
Tgt Ion:240 Resp: 179706  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.7 13.1  
236 24.9 20.9 31.3





#78  
Pyrene  
Concen: 15.399 ng  
RT: 12.580 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

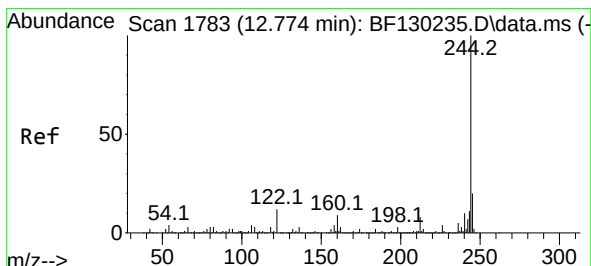
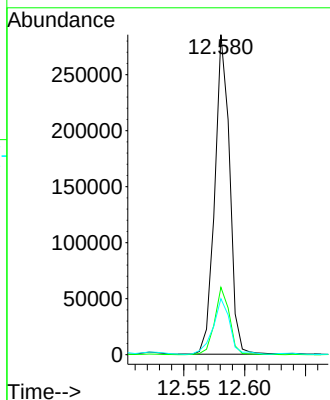
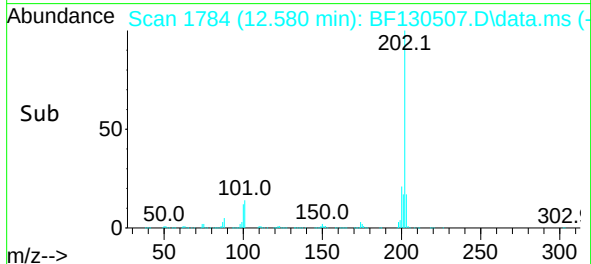
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



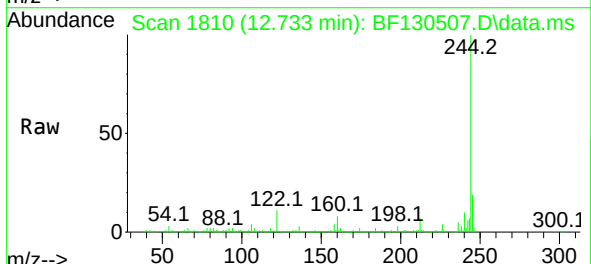
Tgt Ion:202 Resp: 24208  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.2 25.8  
203 17.5 14.3 21.5

Manual Integrations  
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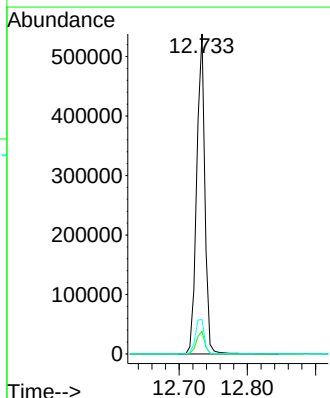
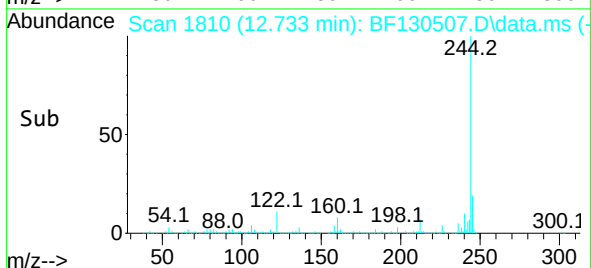
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022

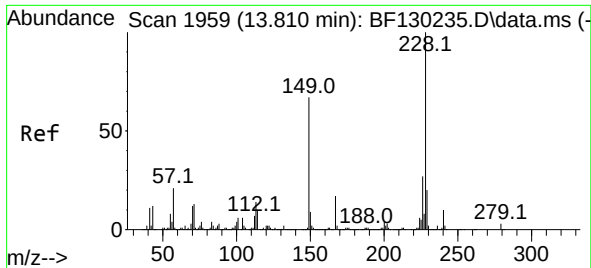


#79  
Terphenyl-d14  
Concen: 41.028 ng  
RT: 12.733 min Scan# 1810  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



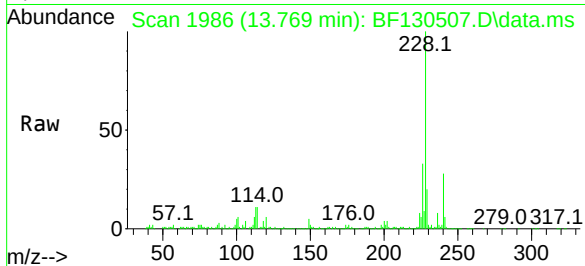
Tgt Ion:244 Resp: 445092  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.9 8.9  
122 10.8 8.5 12.7





#81  
Benzo(a)anthracene  
Concen: 12.753 ng m  
RT: 13.769 min Scan# 1959  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

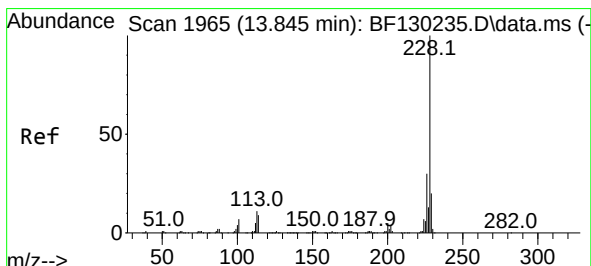
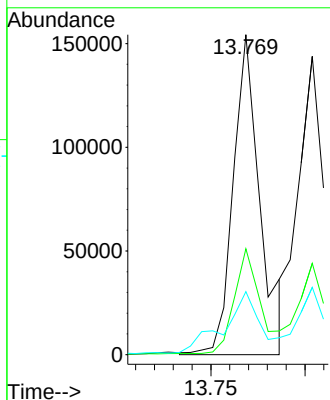
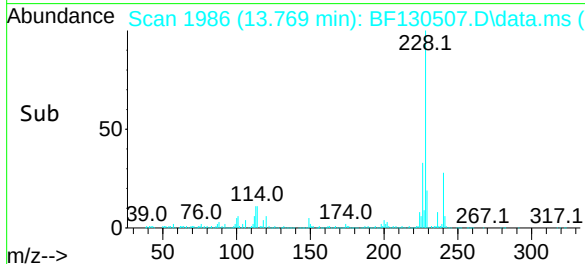
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



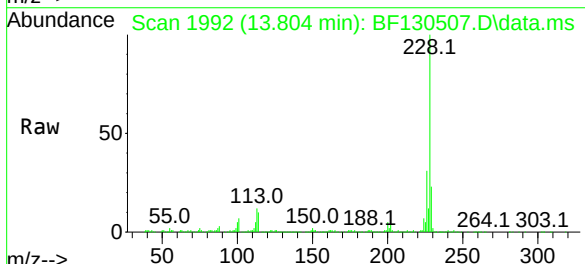
Tgt Ion:228 Resp: 15246  
Ion Ratio Lower Upper  
228 100  
226 33.1 21.9 32.9  
229 19.7 16.1 24.1

Manual Integrations  
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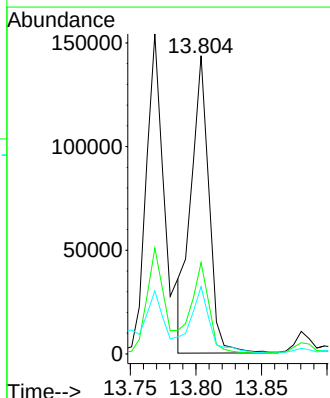
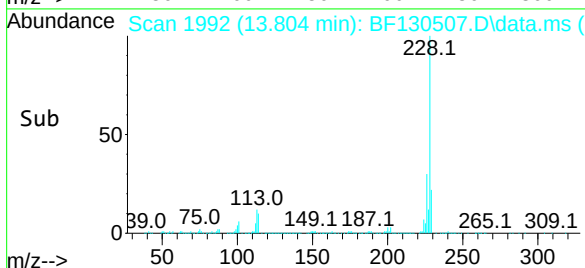
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022

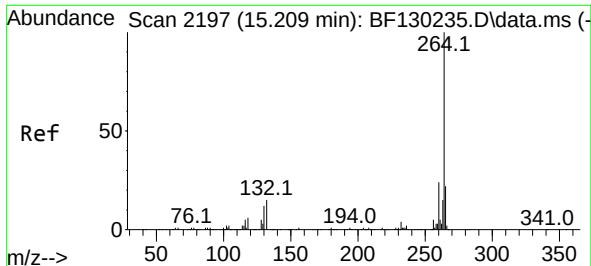


#83  
Chrysene  
Concen: 12.040 ng  
RT: 13.804 min Scan# 1992  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



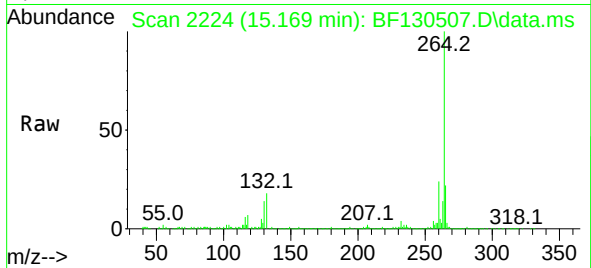
Tgt Ion:228 Resp: 136668  
Ion Ratio Lower Upper  
228 100  
226 30.6 23.8 35.8  
229 22.6 15.3 22.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.169 min Scan# 2197  
Delta R.T. -0.006 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

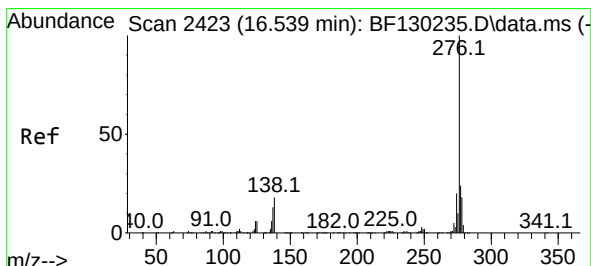
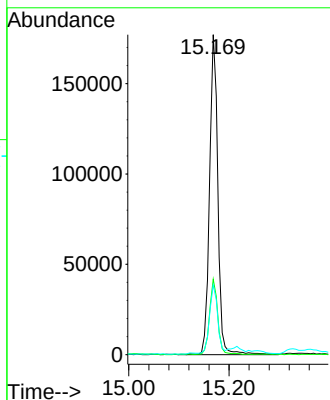
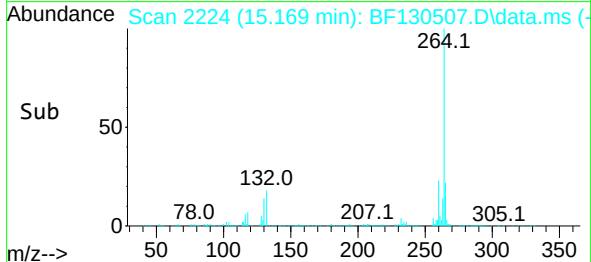
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



Tgt Ion:264 Resp: 20430  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.3 28.9  
265 21.8 17.0 25.4

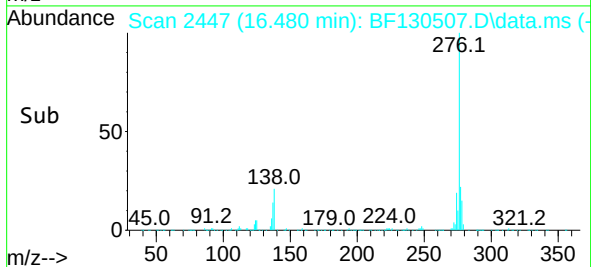
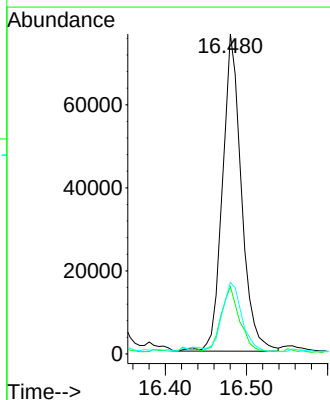
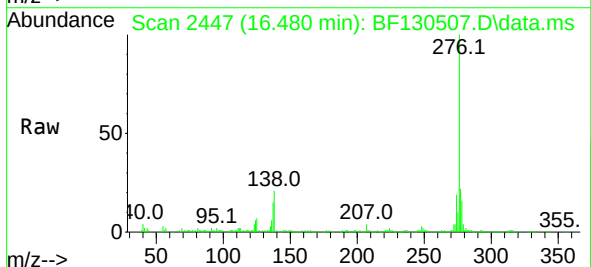
Manual Integrations  
APPROVED

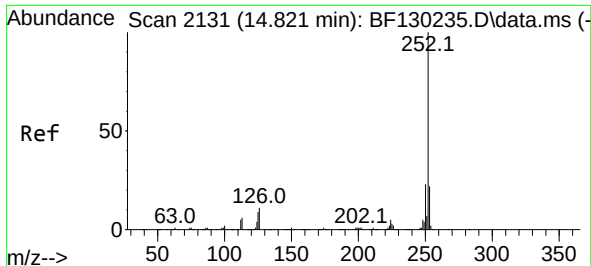
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 8.550 ng  
RT: 16.480 min Scan# 2447  
Delta R.T. -0.017 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

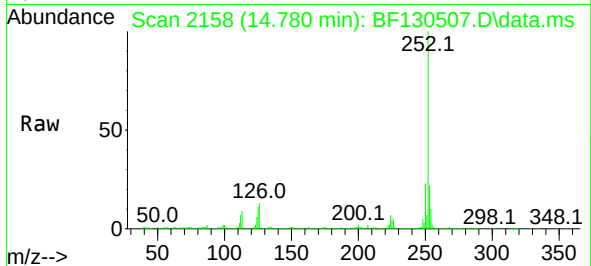
Tgt Ion:276 Resp: 123878  
Ion Ratio Lower Upper  
276 100  
138 20.8 18.5 27.7  
277 22.7 20.2 30.4





#88  
Benzo(b)fluoranthene  
Concen: 18.829 ng m  
RT: 14.780 min Scan# 2115  
Delta R.T. -0.006 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

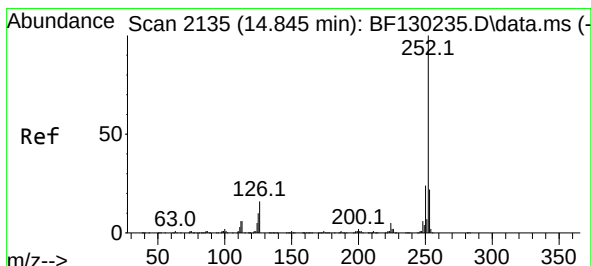
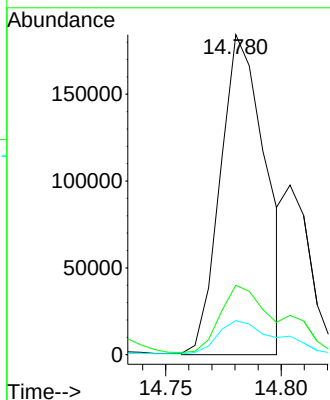
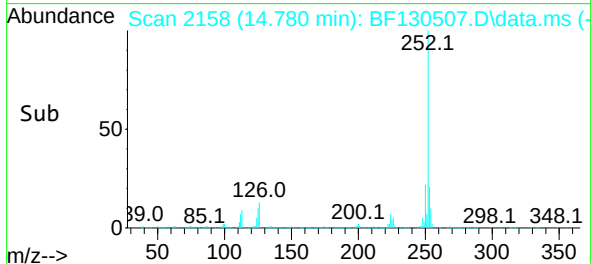
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



Tgt Ion:252 Resp: 251080  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.7 26.5  
125 10.7 8.1 12.1

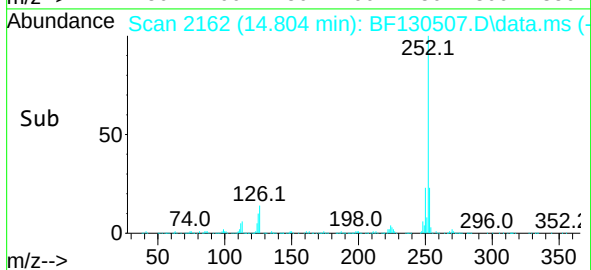
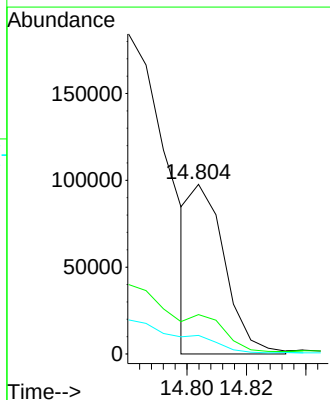
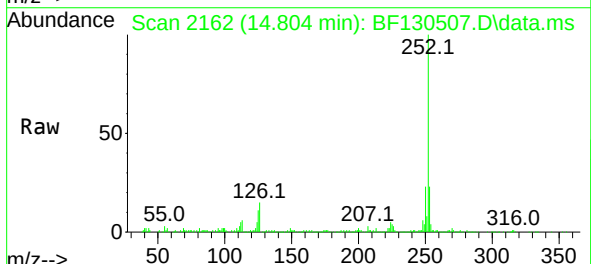
Manual Integrations  
APPROVED

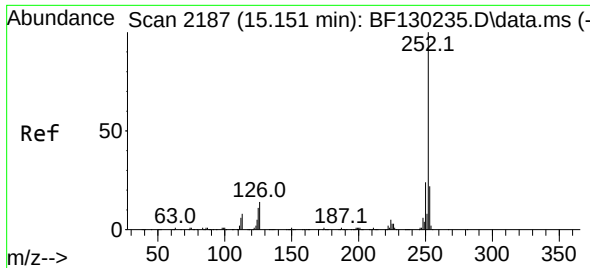
Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022



#89  
Benzo(k)fluoranthene  
Concen: 5.911 ng m  
RT: 14.804 min Scan# 2162  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

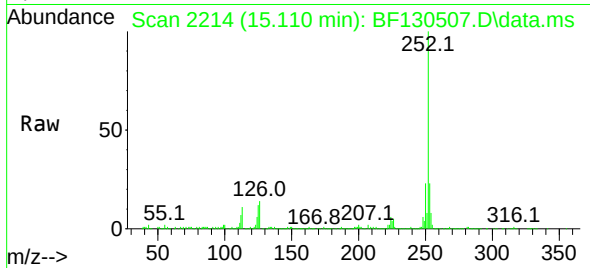
Tgt Ion:252 Resp: 77535  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.4 26.2  
125 10.9 7.9 11.9





#90  
Benzo(a)pyrene  
Concen: 15.940 ng  
RT: 15.110 min Scan# 2187  
Delta R.T. -0.006 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31

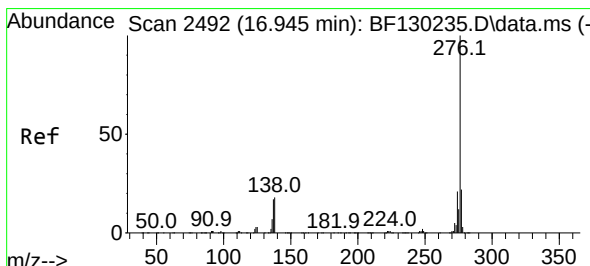
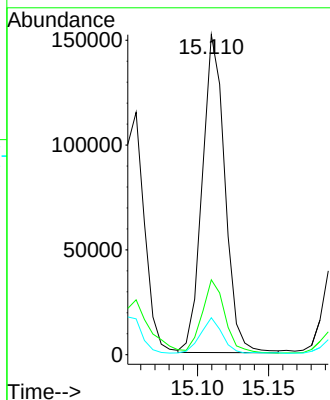
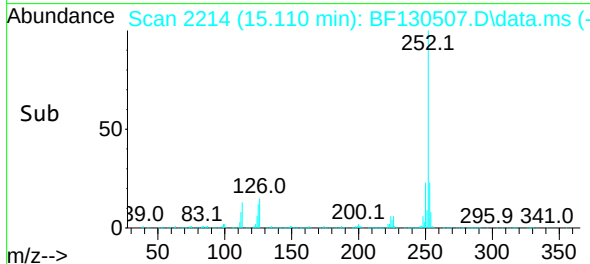
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-2-(0-6)



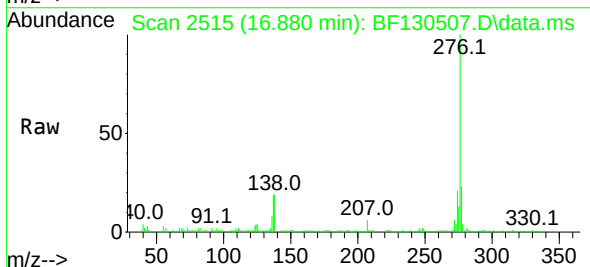
Tgt Ion:252 Resp: 16840  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.8 26.6  
125 11.6 9.0 13.6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/04/2022  
Supervised By :mohammad ahmed 10/06/2022



#92  
Benzo(g,h,i)perylene  
Concen: 8.530 ng  
RT: 16.880 min Scan# 2515  
Delta R.T. -0.012 min  
Lab File: BF130507.D  
Acq: 03 Oct 2022 19:31



Tgt Ion:276 Resp: 102127  
Ion Ratio Lower Upper  
276 100  
277 23.4 18.6 27.8  
138 18.7 14.6 21.8

