

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030122\  
 Data File : BF127134.D  
 Acq On : 01 Mar 2022 23:46  
 Operator : CG\JU  
 Sample : N1664-07DL 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-3DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/02/2022  
 Supervised By : Jagrut Upadhyay 03/02/2022

Quant Time: Mar 02 01:28:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 01 23:57:09 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.892  | 152  | 99617    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.175  | 136  | 376589   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.933  | 164  | 172944   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.422 | 188  | 260251   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.074 | 240  | 199156   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.568 | 264  | 164901   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 218368   | 33.880 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 283308   | 32.575 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 192921   | 23.123 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 58942    | 29.601 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 298207   | 25.384 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.010 | 244  | 257907   | 19.037 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.451 | 178  | 483779   | 33.211 | ng    | 99       |
| 72) Anthracene              | 11.498 | 178  | 90070    | 6.211  | ng    | 99       |
| 73) Carbazole               | 11.657 | 167  | 46734    | 3.514  | ng    | 98       |
| 75) Fluoranthene            | 12.645 | 202  | 713838   | 51.611 | ng    | 94       |
| 78) Pyrene                  | 12.874 | 202  | 594648   | 34.368 | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.063 | 228  | 344208   | 25.637 | ng    | 99       |
| 83) Chrysene                | 14.098 | 228  | 278074   | 22.024 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.080 | 276  | 114410   | 10.581 | ng    | # 83     |
| 88) Benzo(b)fluoranthene    | 15.127 | 252  | 336544m  | 30.387 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.151 | 252  | 99852m   | 9.347  | ng    |          |
| 90) Benzo(a)pyrene          | 15.504 | 252  | 195526m  | 22.602 | ng    |          |
| 91) Dibenzo(a,h)anthracene  | 17.086 | 278  | 33107m   | 3.702  | ng    |          |
| 92) Benzo(g,h,i)perylene    | 17.533 | 276  | 97838    | 11.097 | ng    | # 85     |
| -----                       |        |      |          |        |       |          |

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

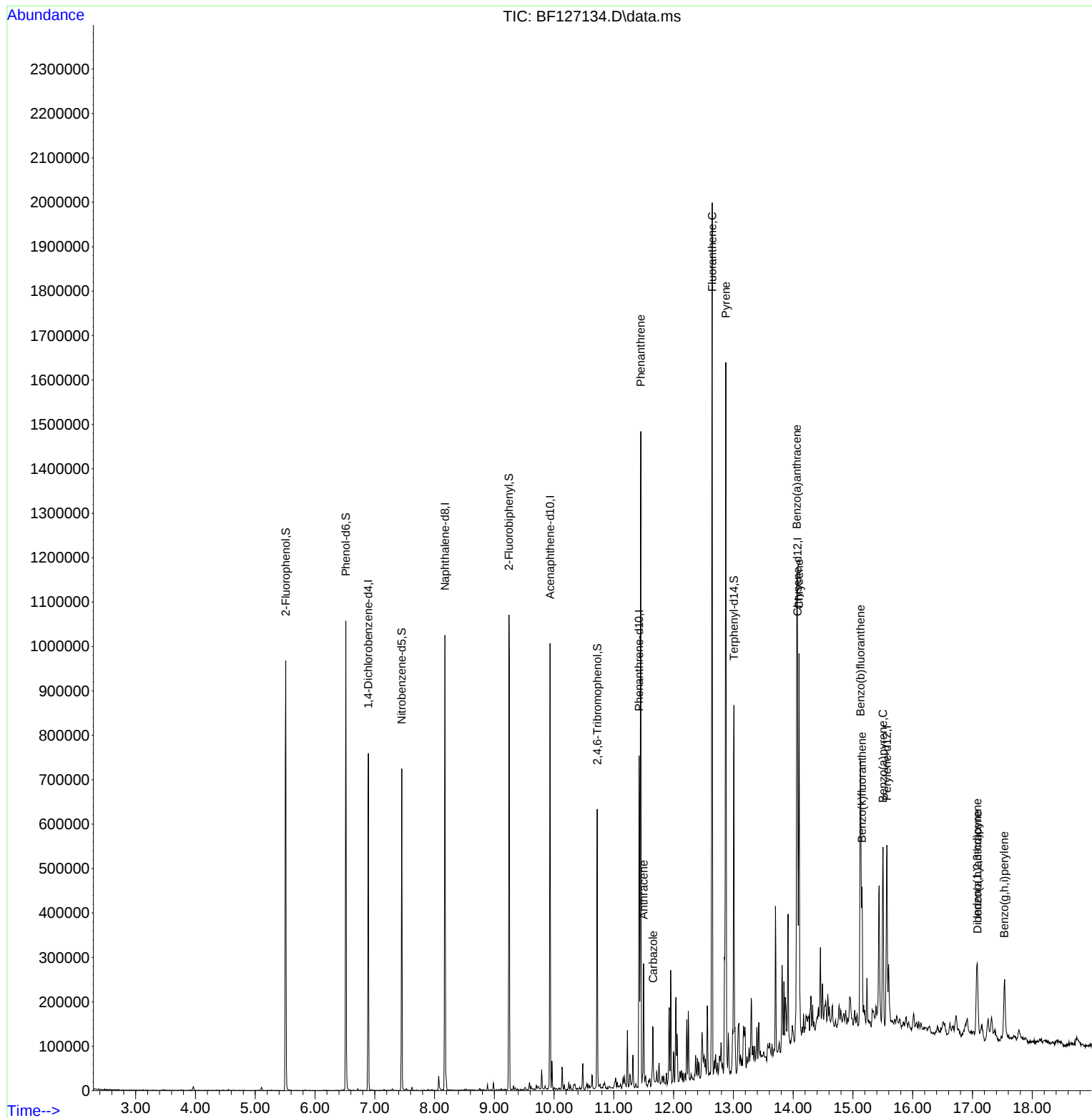
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030122\  
Data File : BF127134.D  
Acq On : 01 Mar 2022 23:46  
Operator : CG\JU  
Sample : N1664-07DL 2X  
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ALS Vial : 22 Sample Multiplier: 1

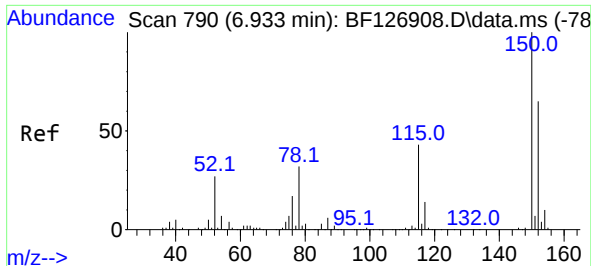
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL

Quant Time: Mar 02 01:28:02 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 01 23:57:09 2022  
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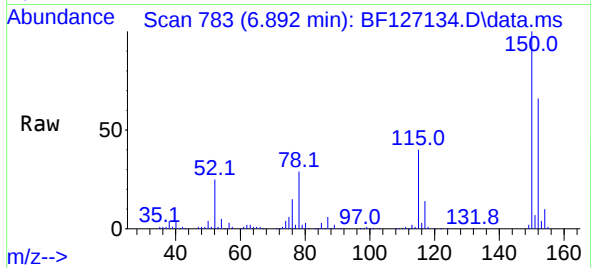
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 70  
Delta R.T. -0.001 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

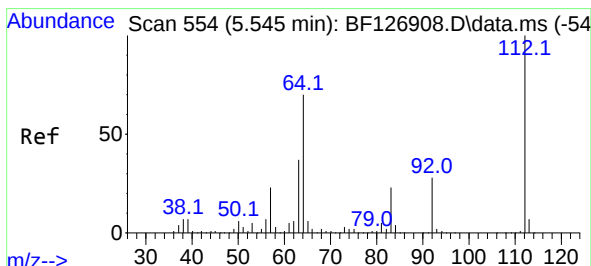
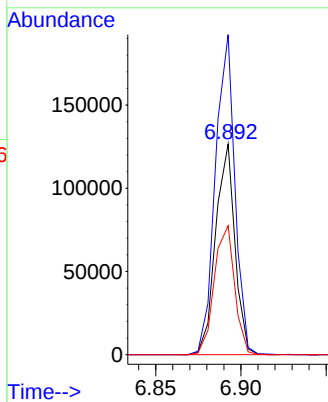
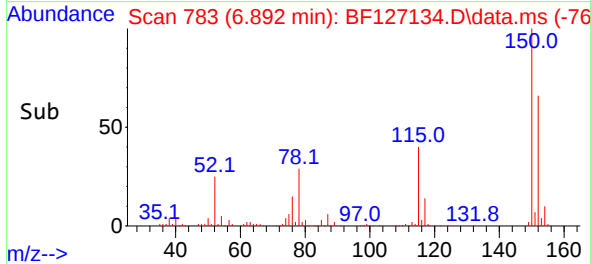
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



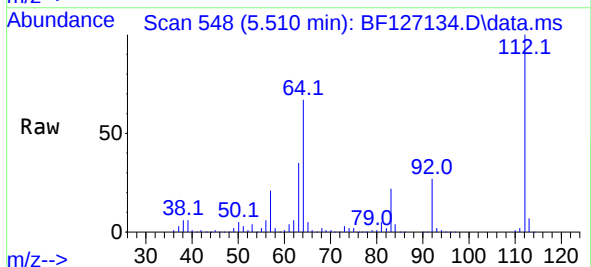
Tgt Ion:152 Resp: 9961  
Ion Ratio Lower Upper  
152 100  
150 151.8 128.1 192.1  
115 61.2 56.7 85.1

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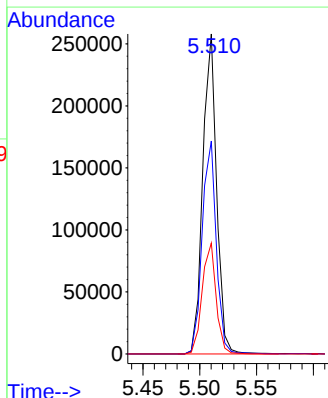
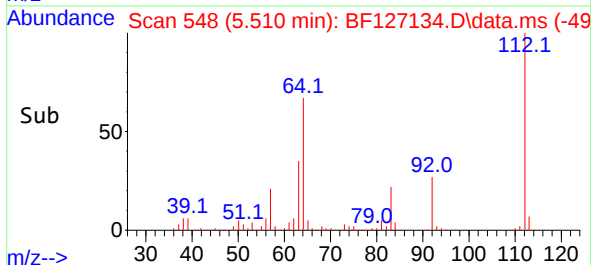
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022

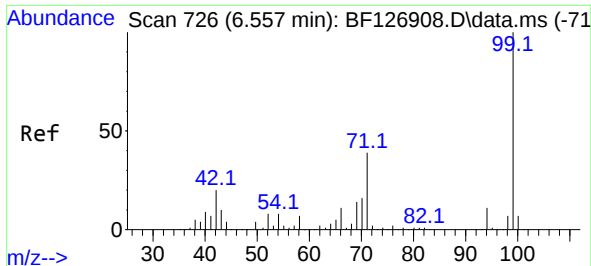


#5  
2-Fluorophenol  
Concen: 33.880 ng  
RT: 5.510 min Scan# 548  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46



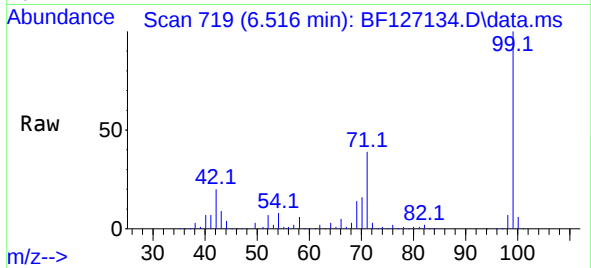
Tgt Ion:112 Resp: 218368  
Ion Ratio Lower Upper  
112 100  
64 66.5 49.5 74.3  
63 34.6 23.9 35.9





#7  
Phenol-d6  
Concen: 32.575 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

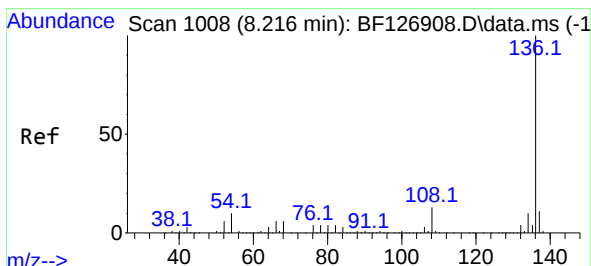
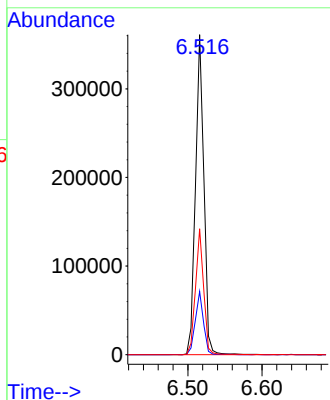
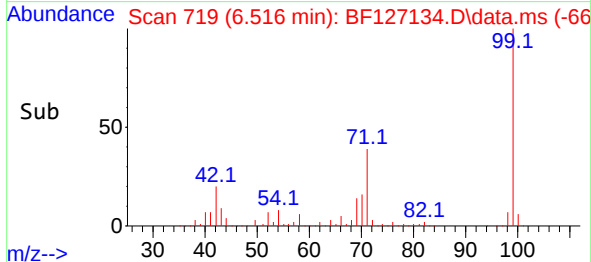
Instrument :  
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ClientSampleId :  
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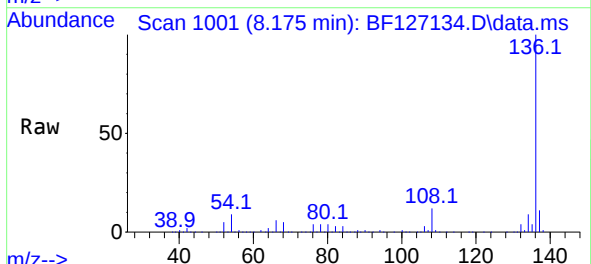
Tgt Ion: 99 Resp: 283308  
Ion Ratio Lower Upper  
99 100  
42 19.7 14.2 21.4  
71 39.4 24.3 36.5

Manual Integrations  
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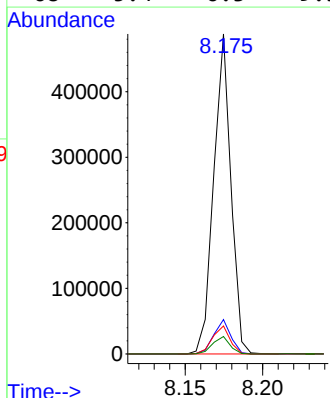
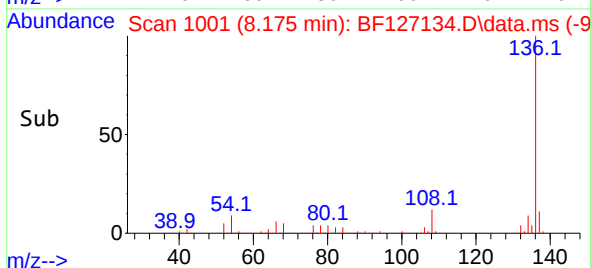
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022

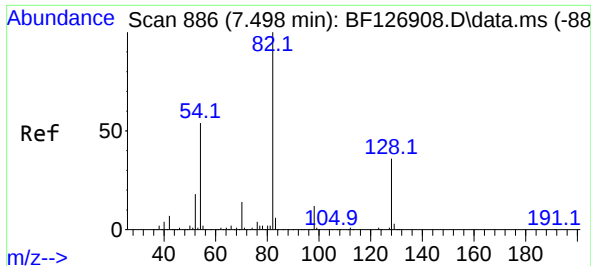


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1001  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46



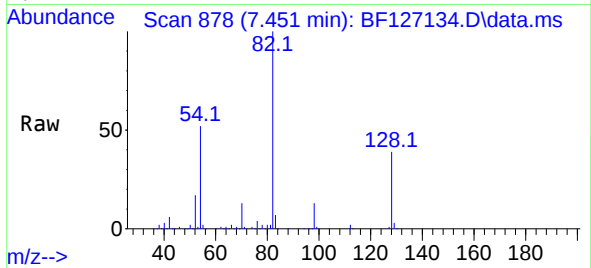
Tgt Ion:136 Resp: 376589  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 8.8 7.8 11.6  
68 5.4 6.3 9.5





#23  
Nitrobenzene-d5  
Concen: 23.123 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

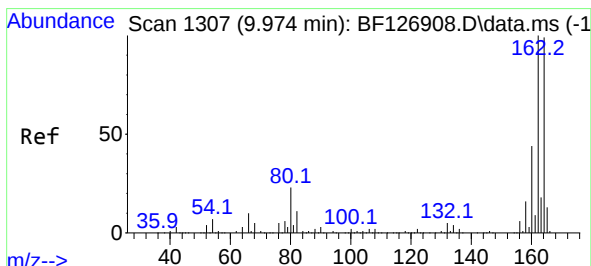
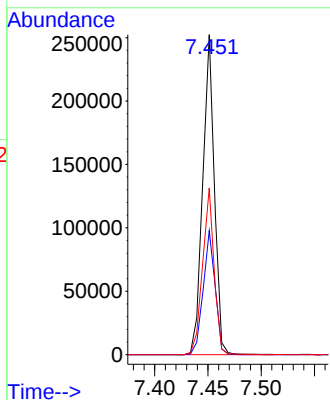
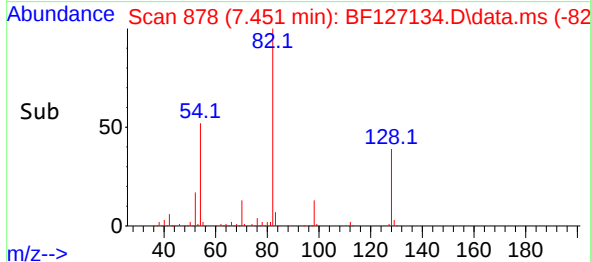
Instrument :  
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Tgt Ion: 82 Resp: 19292  
Ion Ratio Lower Upper  
82 100  
128 38.7 32.7 49.1  
54 52.1 41.7 62.5

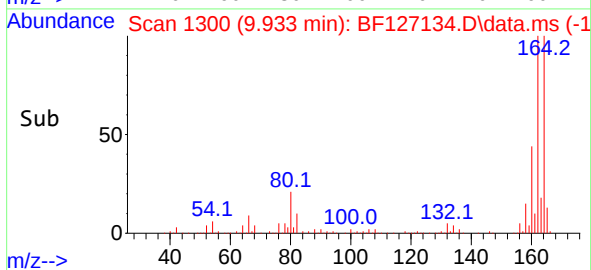
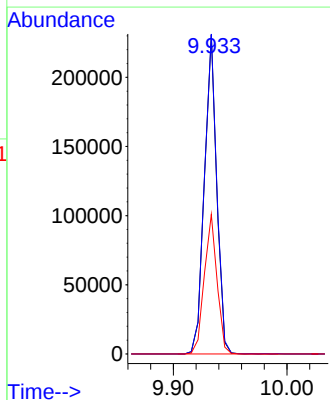
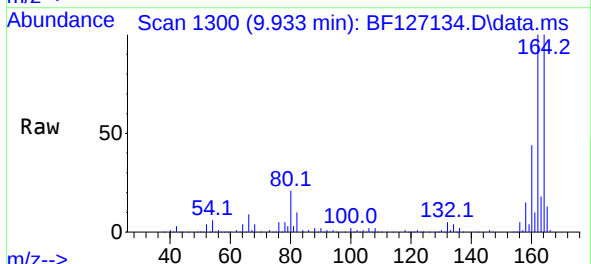
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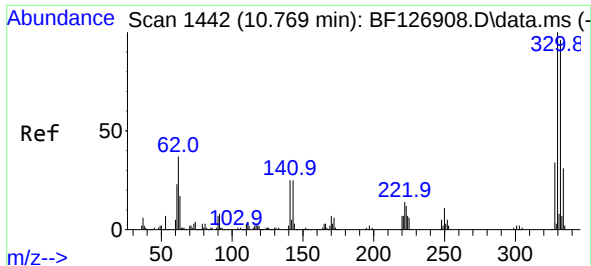
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

Tgt Ion:164 Resp: 172944  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.4 122.0  
160 43.7 36.6 54.8





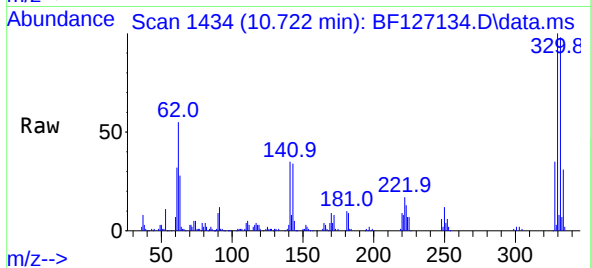
#42  
2,4,6-Tribromophenol  
Concen: 29.601 ng  
RT: 10.722 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

Instrument :

BNA\_F

ClientSampleId :

TP-3DL

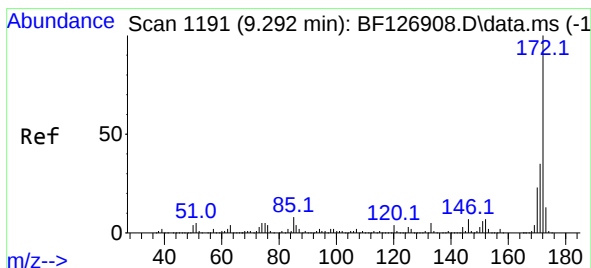
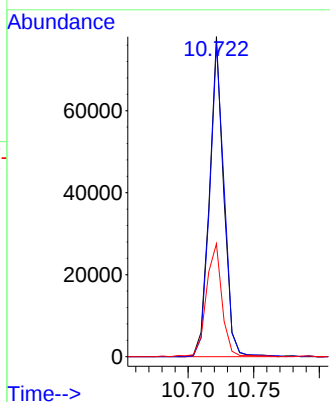
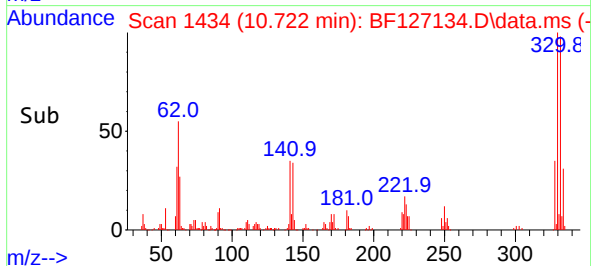


Tgt Ion: 330 Resp: 5894  
Ion Ratio Lower Upper  
330 100  
332 99.2 76.0 114.0  
141 39.1 30.1 45.1

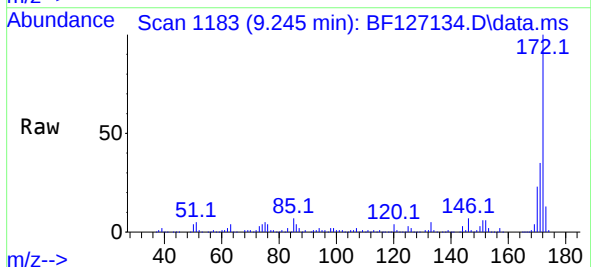
Manual Integrations

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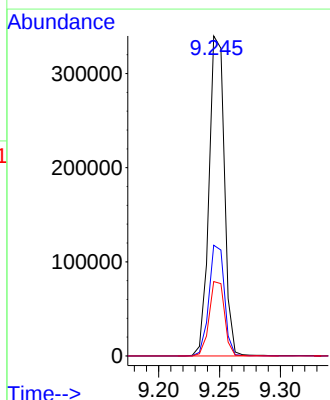
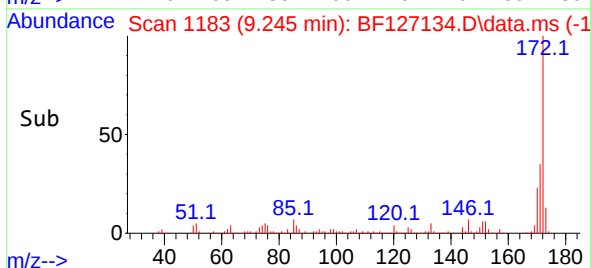
Reviewed By : Christian Giraldo 03/02/2022  
Supervised By : Jagrut Upadhyay 03/02/2022

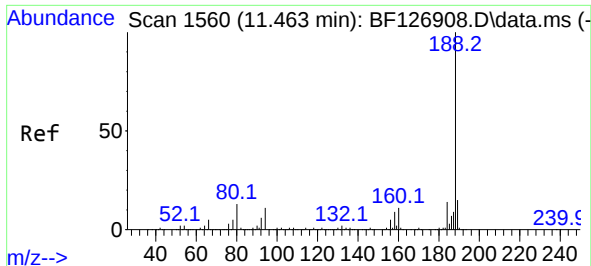


#45  
2-Fluorobiphenyl  
Concen: 25.384 ng  
RT: 9.245 min Scan# 1183  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46



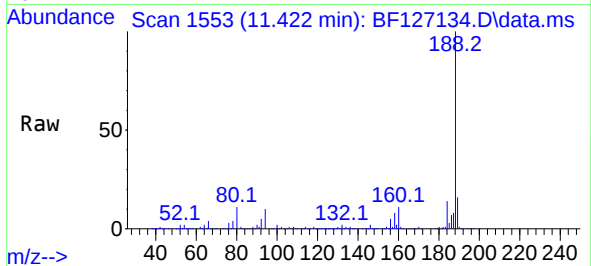
Tgt Ion: 172 Resp: 298207  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.3 42.5  
170 23.3 19.0 28.6





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

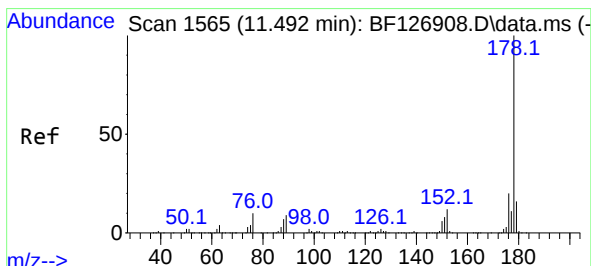
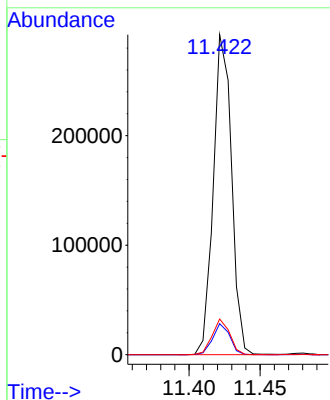
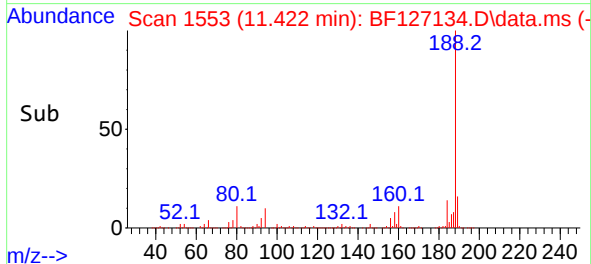
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



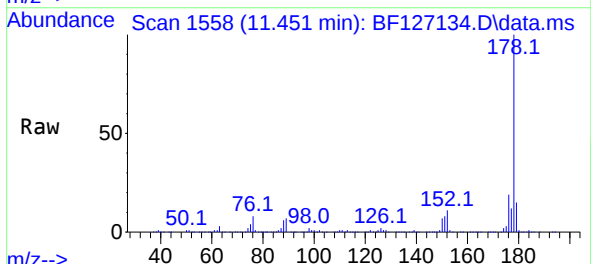
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Ion Ratio Lower Upper  
188 100  
94 9.7 10.1 15.1  
80 11.2 11.8 17.6

Manual Integrations  
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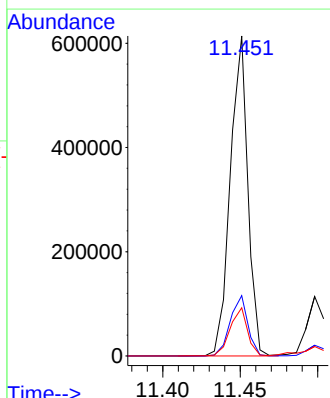
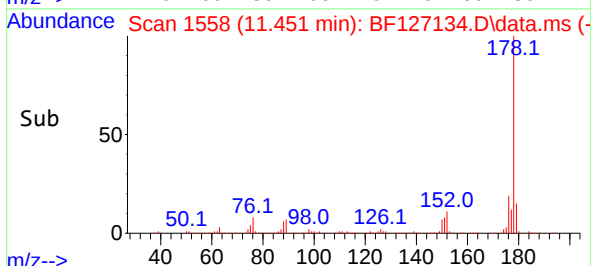
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022

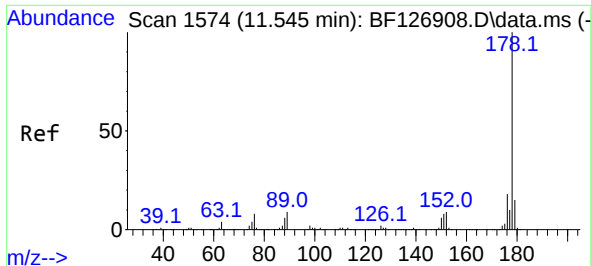


#71  
Phenanthrene  
Concen: 33.211 ng  
RT: 11.451 min Scan# 1558  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46



Tgt Ion:178 Resp: 483779  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.7 23.5  
179 15.1 12.3 18.5





#72  
 Anthracene  
 Concen: 6.211 ng  
 RT: 11.498 min Scan# 1566  
 Delta R.T. -0.006 min  
 Lab File: BF127134.D  
 Acq: 01 Mar 2022 23:46

Instrument :

BNA\_F

ClientSampleId :

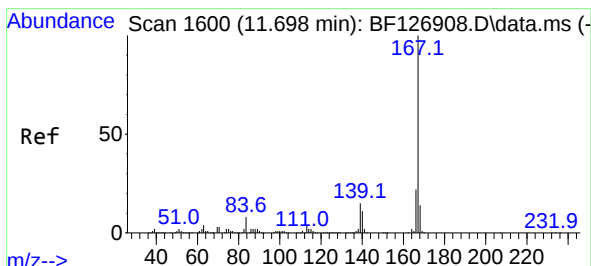
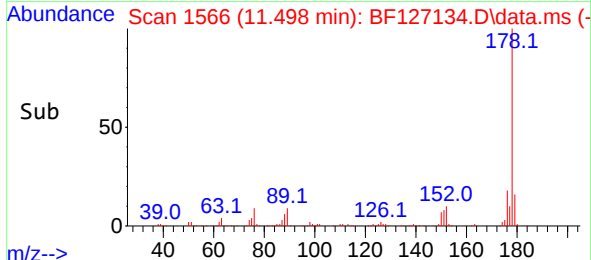
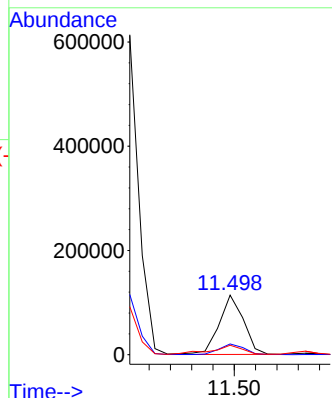
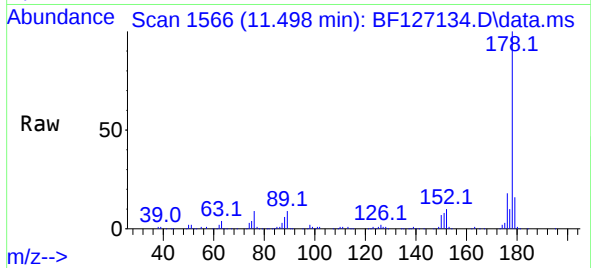
TP-3DL

Tgt Ion:178 Resp: 90070  
 Ion Ratio Lower Upper  
 178 100  
 176 18.0 15.0 22.6  
 179 15.8 12.5 18.7

Manual Integrations

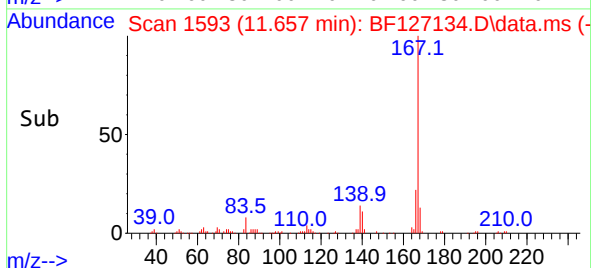
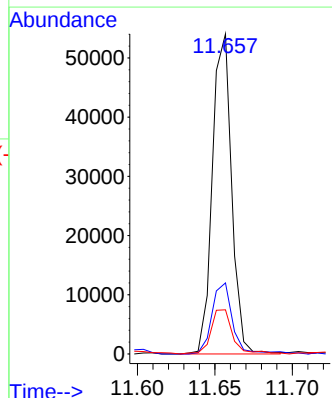
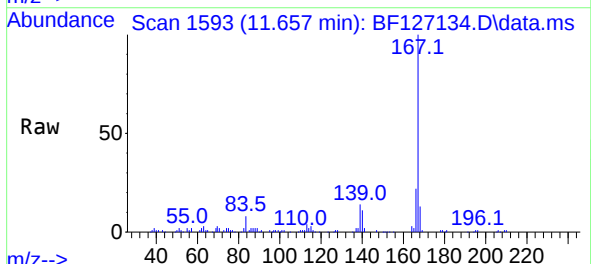
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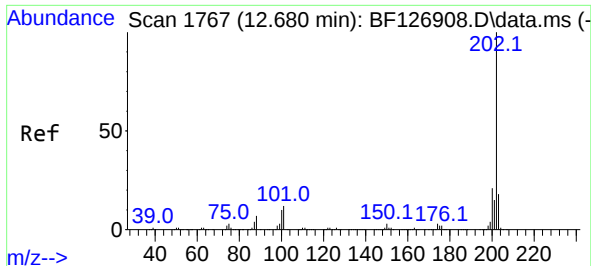
Reviewed By :Christian Giraldo 03/02/2022  
 Supervised By :Jagrut Upadhyay 03/02/2022



#73  
 Carbazole  
 Concen: 3.514 ng  
 RT: 11.657 min Scan# 1593  
 Delta R.T. -0.006 min  
 Lab File: BF127134.D  
 Acq: 01 Mar 2022 23:46

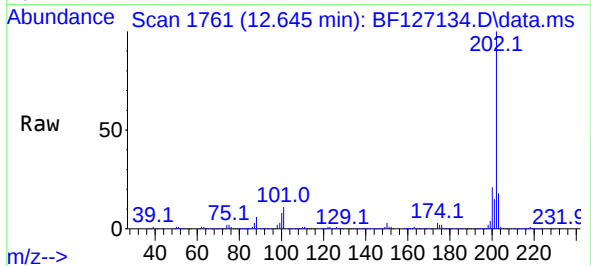
Tgt Ion:167 Resp: 46734  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 16.9 25.3  
 139 13.8 11.3 16.9





#75  
Fluoranthene  
Concen: 51.611 ng  
RT: 12.645 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

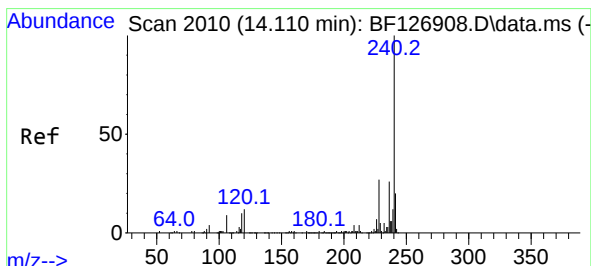
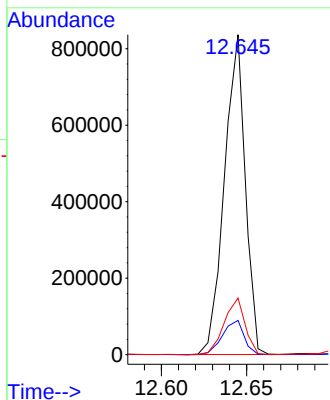
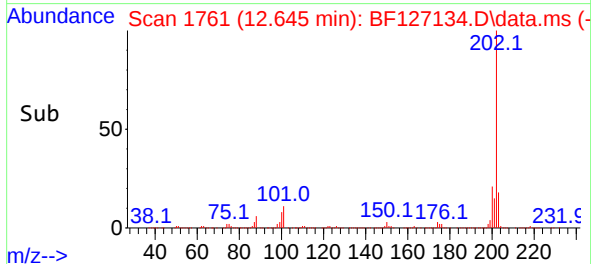
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



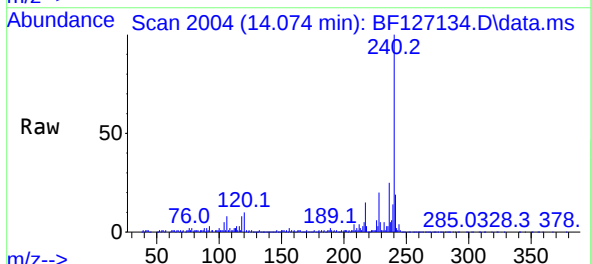
Tgt Ion:202 Resp: 713838  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 35.7  
203 17.7 0.0 37.1

Manual Integrations  
APPROVED

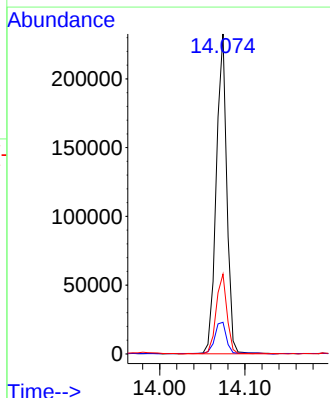
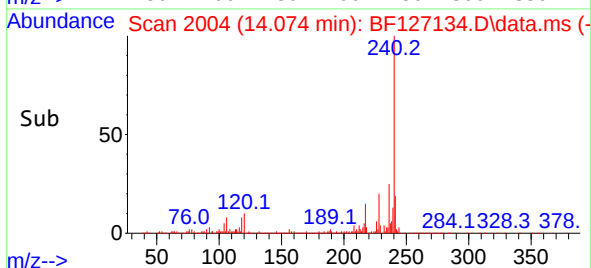
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022

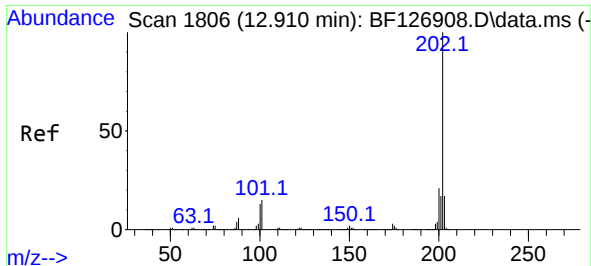


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.074 min Scan# 2004  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46



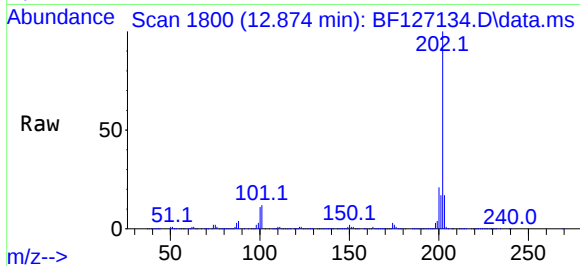
Tgt Ion:240 Resp: 199156  
Ion Ratio Lower Upper  
240 100  
120 9.9 14.4 21.6#  
236 24.9 20.5 30.7





#78  
Pyrene  
Concen: 34.368 ng  
RT: 12.874 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

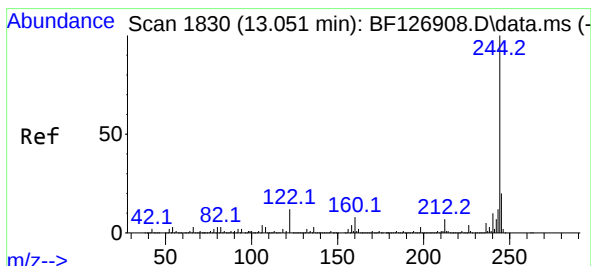
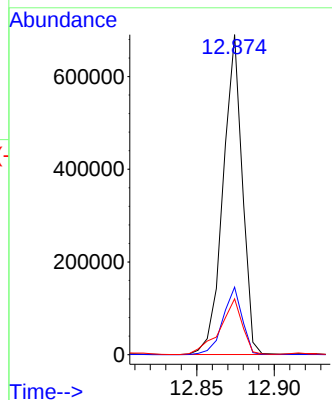
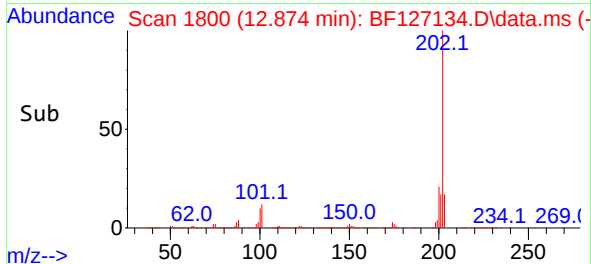
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



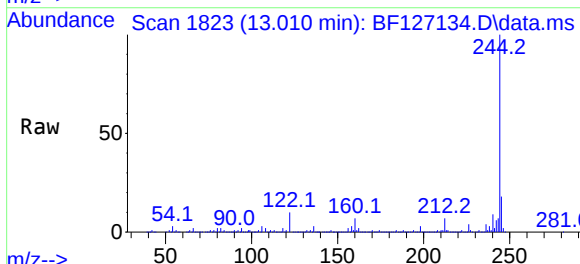
Tgt Ion:202 Resp: 594648  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.6 24.8  
203 17.5 13.8 20.8

Manual Integrations  
APPROVED

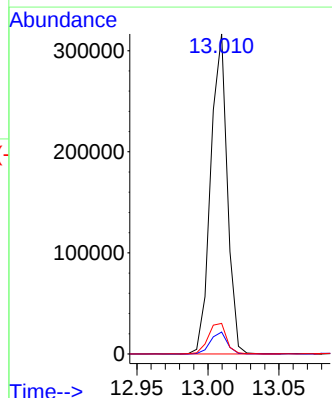
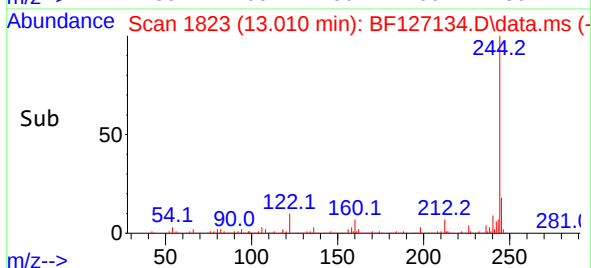
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022

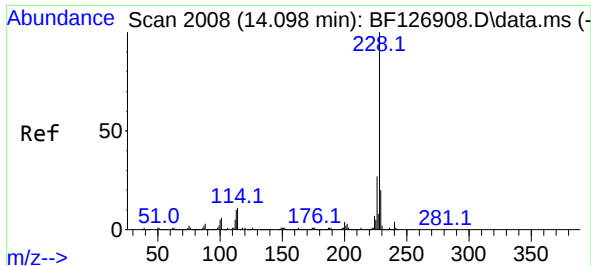


#79  
Terphenyl-d14  
Concen: 19.037 ng  
RT: 13.010 min Scan# 1823  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46



Tgt Ion:244 Resp: 257907  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.0 7.4  
122 9.6 13.3 19.9#





#81  
Benzo(a)anthracene  
Concen: 25.637 ng  
RT: 14.063 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

Instrument :

BNA\_F

ClientSampleId :

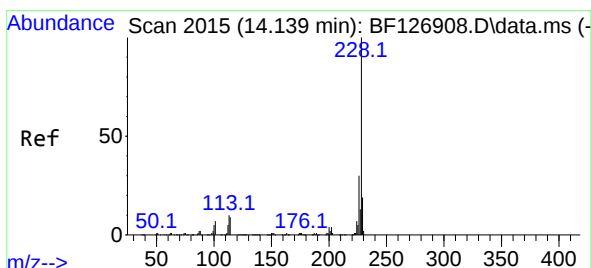
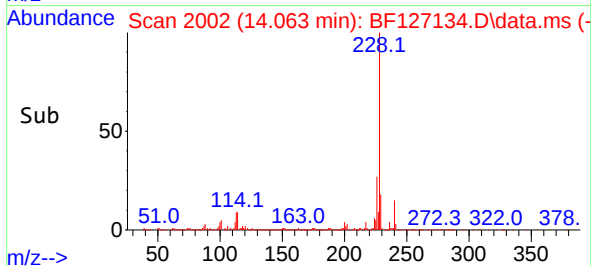
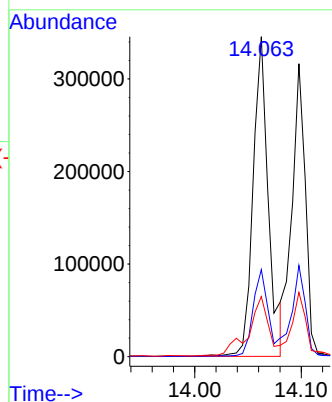
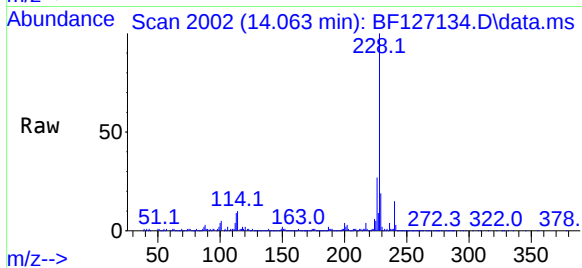
TP-3DL

Tgt Ion:228 Resp: 344208  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.4 32.0  
229 18.8 15.4 23.2

Manual Integrations

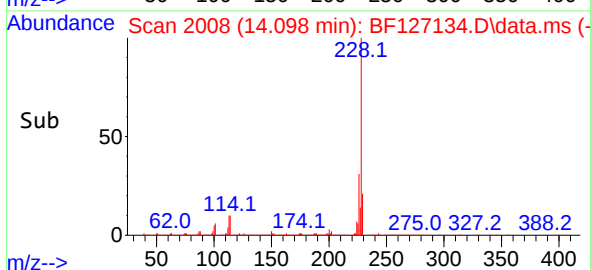
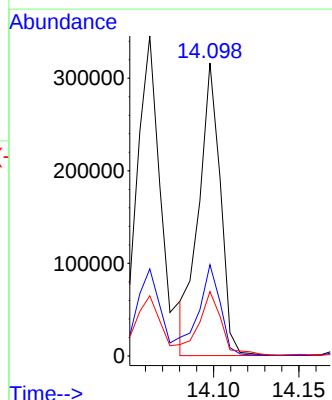
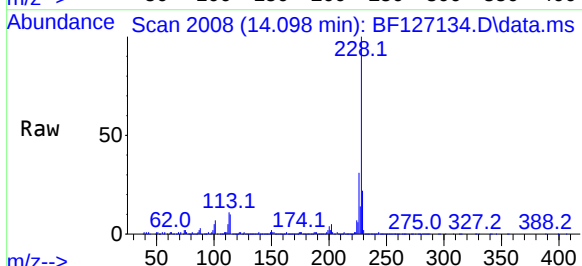
APPROVED

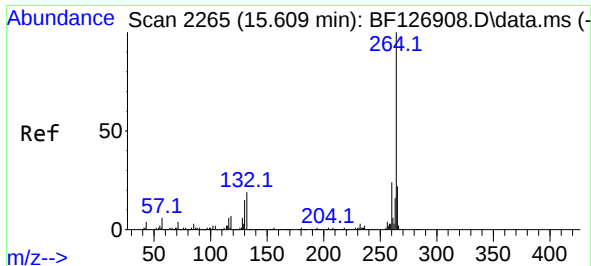
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022



#83  
Chrysene  
Concen: 22.024 ng  
RT: 14.098 min Scan# 2008  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

Tgt Ion:228 Resp: 278074  
Ion Ratio Lower Upper  
228 100  
226 31.1 23.7 35.5  
229 22.0 15.5 23.3





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.568 min Scan# 2151  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

Instrument :

BNA\_F

ClientSampleId :

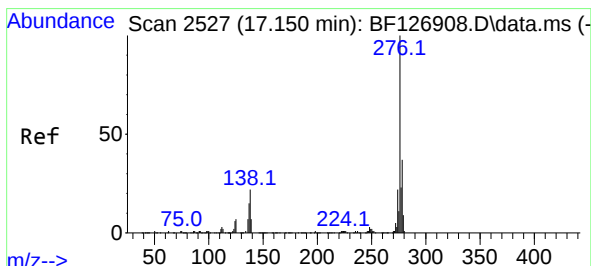
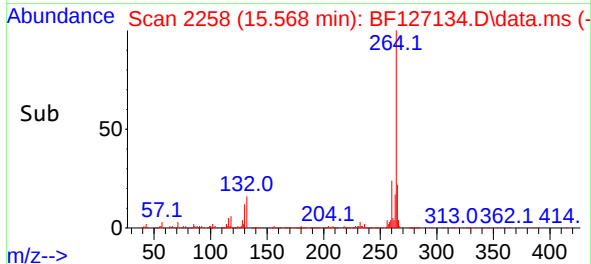
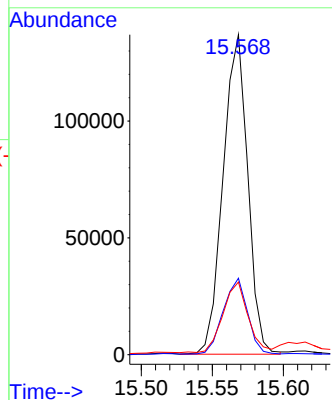
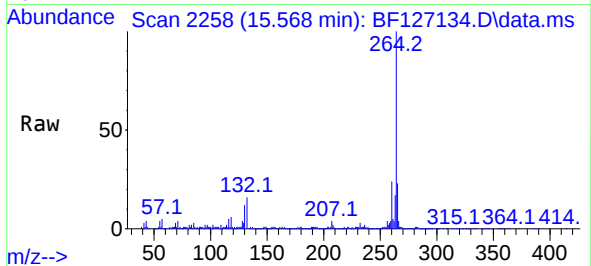
TP-3DL

Tgt Ion:264 Resp: 16490  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.2 28.8  
265 22.7 17.4 26.2

Manual Integrations

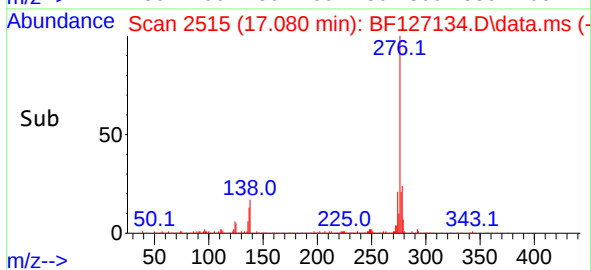
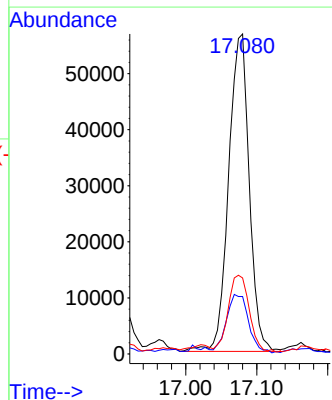
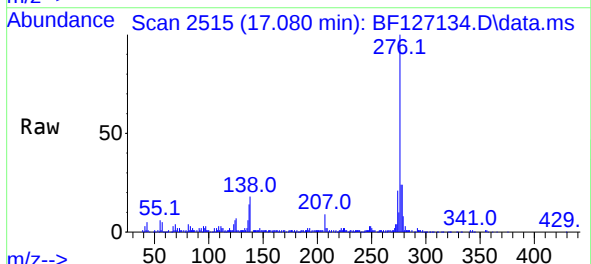
APPROVED

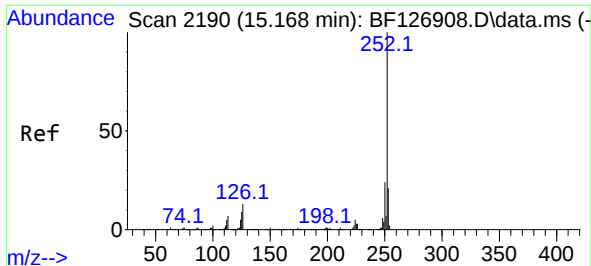
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 10.581 ng  
RT: 17.080 min Scan# 2515  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

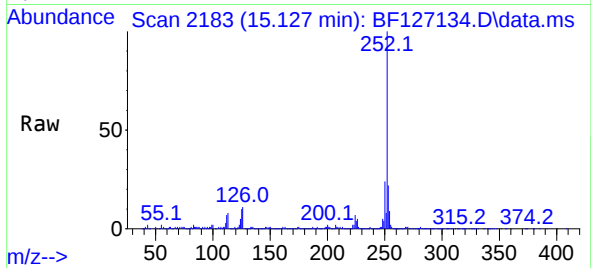
Tgt Ion:276 Resp: 114410  
Ion Ratio Lower Upper  
276 100  
138 19.5 29.2 43.8#  
277 24.3 19.8 29.8





#88  
Benzo(b)fluoranthene  
Concen: 30.387 ng m  
RT: 15.127 min Scan# 2190  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

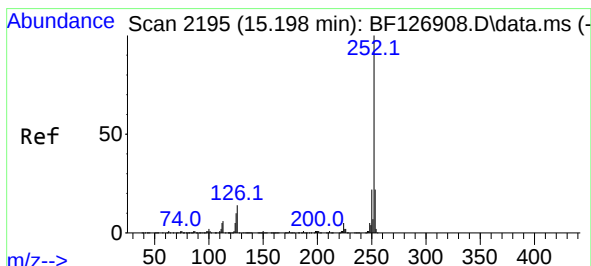
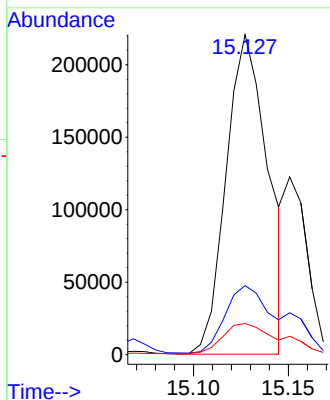
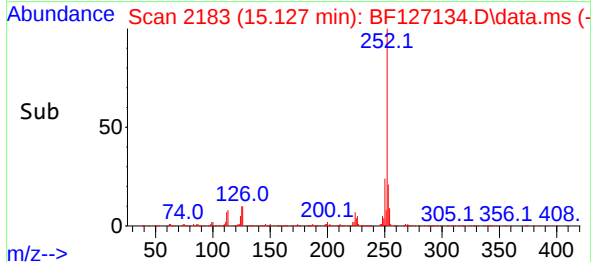
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



Tgt Ion:252 Resp: 336544  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.8 26.8  
125 9.8 12.4 18.6

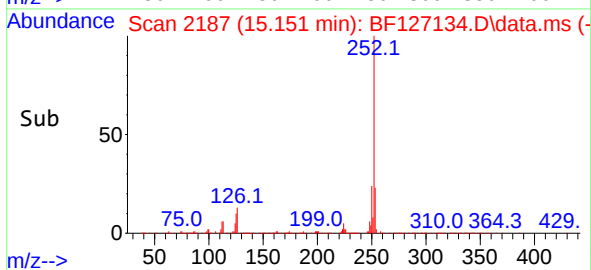
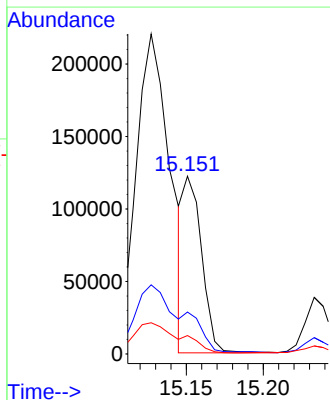
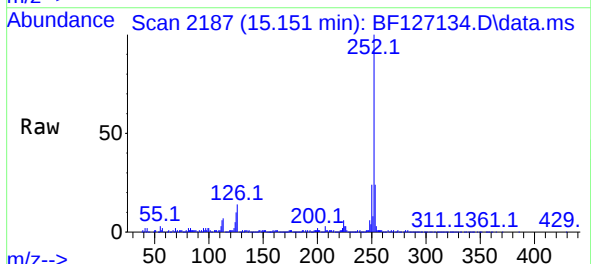
Manual Integrations  
APPROVED

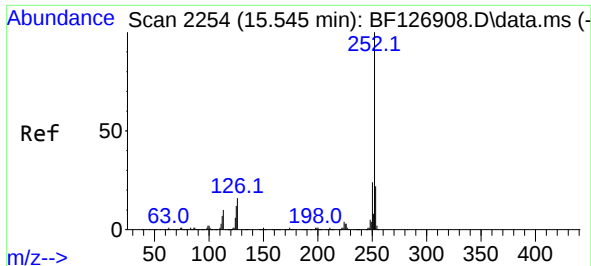
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022



#89  
Benzo(k)fluoranthene  
Concen: 9.347 ng m  
RT: 15.151 min Scan# 2187  
Delta R.T. -0.006 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

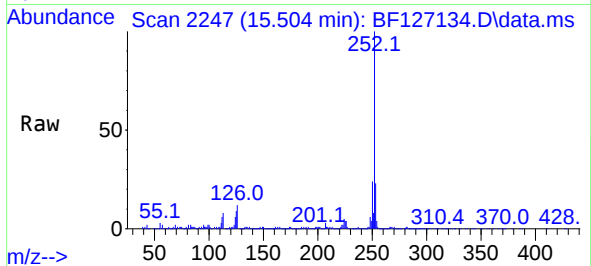
Tgt Ion:252 Resp: 99852  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.5 26.3  
125 10.4 11.8 17.6





#90  
Benzo(a)pyrene  
Concen: 22.602 ng m  
RT: 15.504 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

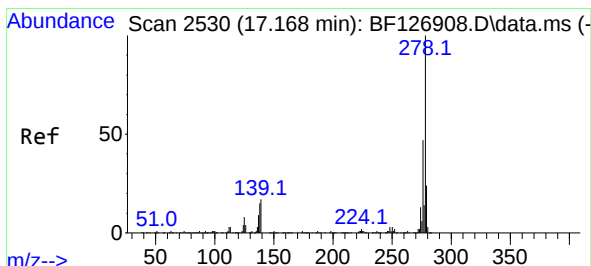
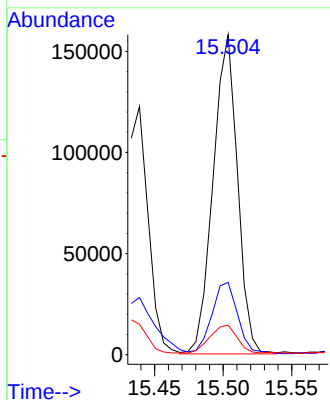
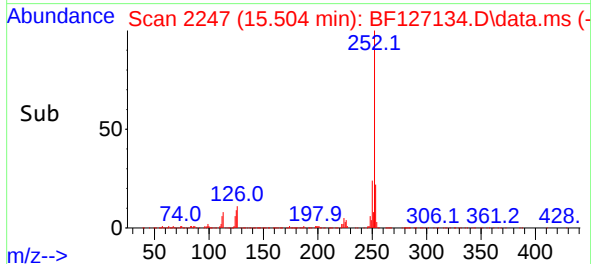
Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



Tgt Ion:252 Resp: 195520  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.1 25.7  
125 9.2 13.0 19.6

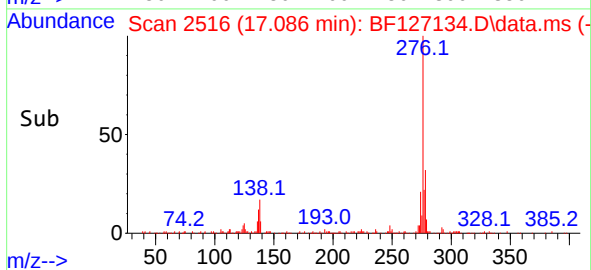
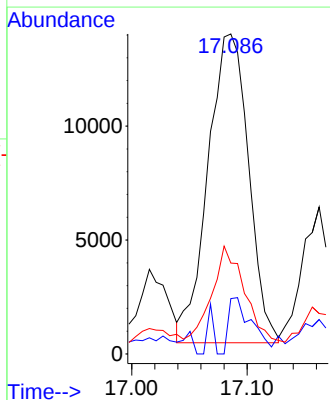
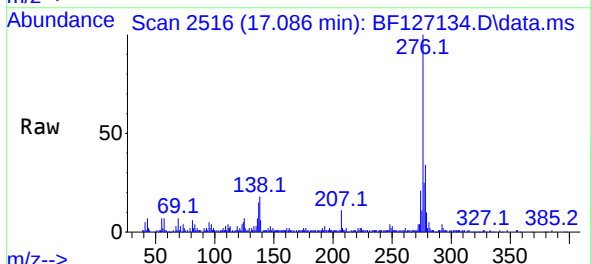
Manual Integrations  
APPROVED

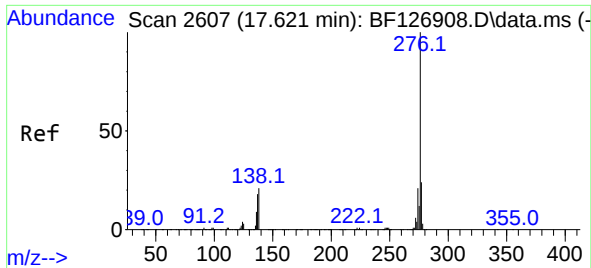
Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022



#91  
Dibenzo(a,h)anthracene  
Concen: 3.702 ng m  
RT: 17.086 min Scan# 2516  
Delta R.T. -0.018 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

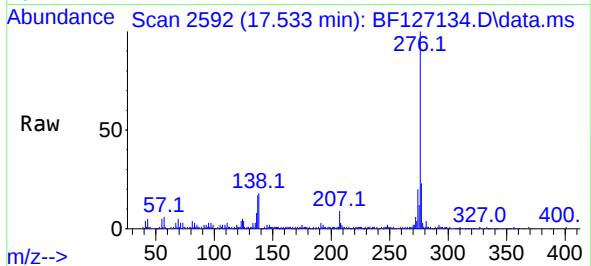
Tgt Ion:278 Resp: 33107  
Ion Ratio Lower Upper  
278 100  
139 17.3 18.0 27.0#  
279 28.4 18.6 27.8#





#92  
Benzo(g,h,i)perylene  
Concen: 11.097 ng  
RT: 17.533 min Scan# 20  
Delta R.T. -0.018 min  
Lab File: BF127134.D  
Acq: 01 Mar 2022 23:46

Instrument :  
BNA\_F  
ClientSampleId :  
TP-3DL



Tgt Ion:276 Resp: 97838  
Ion Ratio Lower Upper  
276 100  
277 23.1 18.5 27.7  
138 18.5 25.9 38.9

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/02/2022  
Supervised By :Jagrut Upadhyay 03/02/2022

