

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040422\  
 Data File : BN019337.D  
 Acq On : 05 Apr 2022 04:11  
 Operator : CG/JU  
 Sample : N2237-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A13145

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/05/2022  
 Supervised By : Jagrut Upadhyay 04/05/2022

Quant Time: Apr 05 05:59:13 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN040422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 04 17:40:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.826  | 152  | 5683     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.626 | 136  | 17530    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.463 | 164  | 11461    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.205 | 188  | 22984    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.387 | 240  | 16926    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.738 | 264  | 12841    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.384  | 112  | 3485     | 0.229 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.995  | 99   | 3896     | 0.213 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 2935     | 0.184 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.223 | 152  | 7276     | 0.236 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.954 | 330  | 1301     | 0.187 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.095 | 172  | 10187    | 0.214 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.236 | 212  | 14396    | 0.194 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.830 | 244  | 8298     | 0.226 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.680 | 128  | 2875     | 0.056 | ng    | # 86     |
| 25) Phenanthrene              | 17.246 | 178  | 9962     | 0.129 | ng    | 99       |
| 26) Anthracene                | 17.338 | 178  | 1398     | 0.021 | ng    | # 90     |
| 28) Fluoranthene              | 19.265 | 202  | 12575    | 0.137 | ng    | # 97     |
| 30) Pyrene                    | 19.628 | 202  | 10402    | 0.132 | ng    | # 94     |
| 32) Benzo(a)anthracene        | 21.378 | 228  | 4458     | 0.071 | ng    | # 84     |
| 33) Chrysene                  | 21.422 | 228  | 5163     | 0.074 | ng    | # 88     |
| 34) Bis(2-ethylhexyl)phtha... | 21.306 | 149  | 3872     | 0.083 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.164 | 276  | 1192     | 0.022 | ng    | # 75     |
| 37) Benzo(b)fluoranthene      | 23.030 | 252  | 5269m    | 0.105 | ng    |          |
| 39) Benzo(a)pyrene            | 23.636 | 252  | 2268     | 0.050 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.904 | 276  | 1612     | 0.032 | ng    | # 60     |
| -----                         |        |      |          |       |       |          |

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

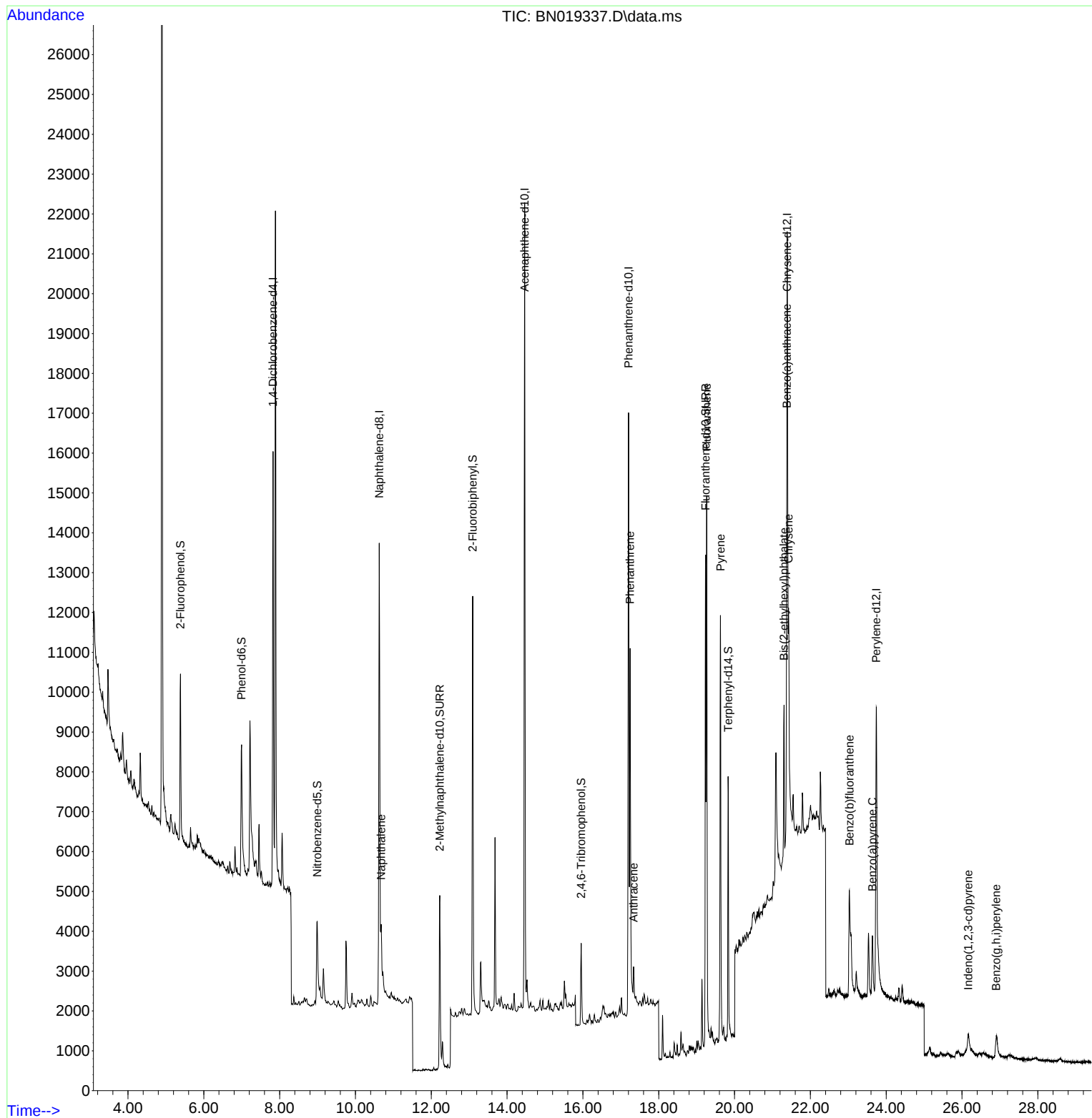
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040422\  
Data File : BN019337.D  
Acq On : 05 Apr 2022 04:11  
Operator : CG/JU  
Sample : N2237-03  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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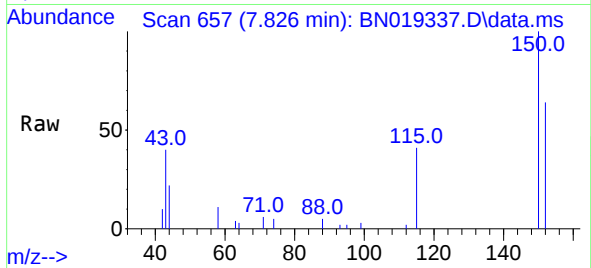
Quant Time: Apr 05 05:59:13 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN040422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 04 17:40:00 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.826 min Scan# 61  
Delta R.T. 0.001 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

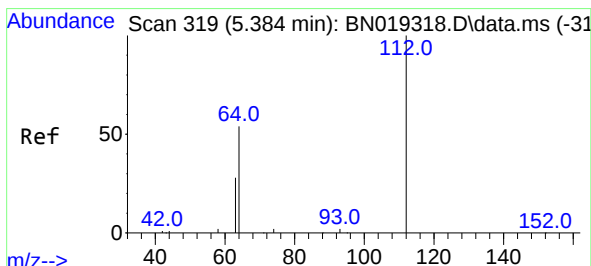
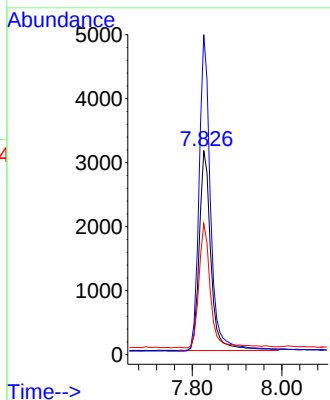
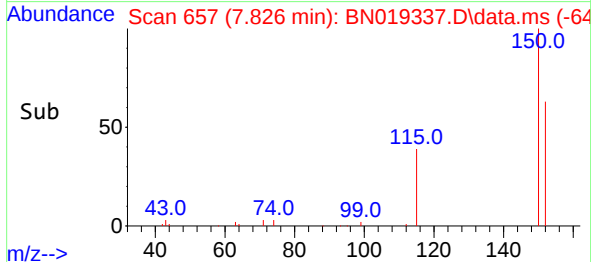
Instrument :  
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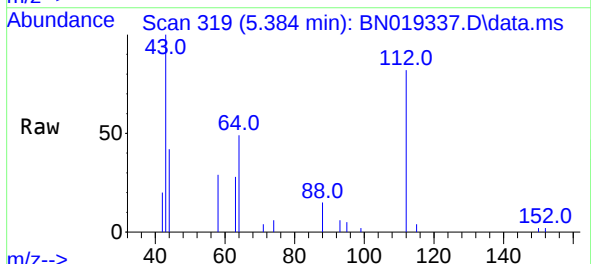
Tgt Ion:152 Resp: 568  
Ion Ratio Lower Upper  
152 100  
150 156.8 123.9 185.9  
115 64.3 48.2 72.4

Manual Integrations  
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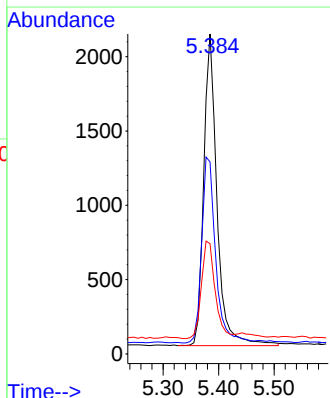
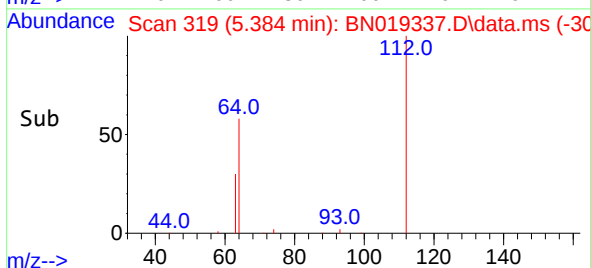
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022



#4  
2-Fluorophenol  
Concen: 0.229 ng  
RT: 5.384 min Scan# 319  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



Tgt Ion:112 Resp: 3485  
Ion Ratio Lower Upper  
112 100  
64 62.7 47.8 71.8  
63 32.5 25.7 38.5





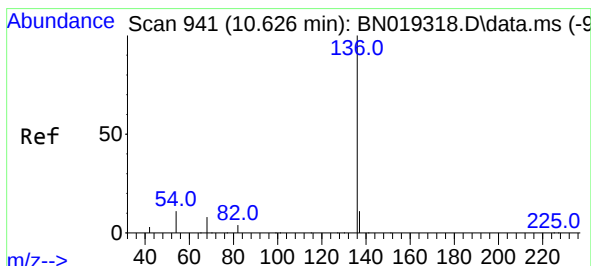
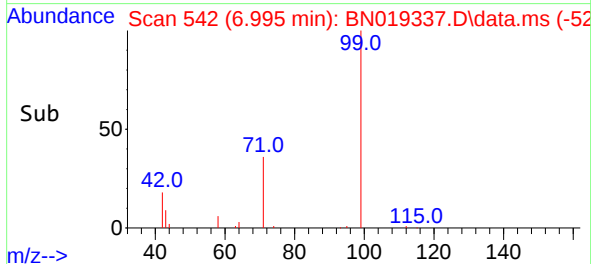
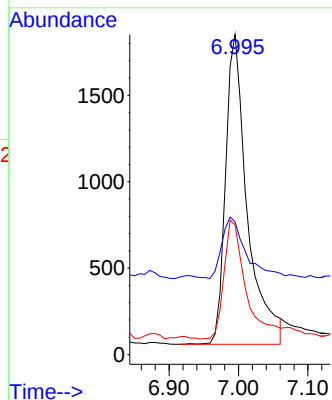
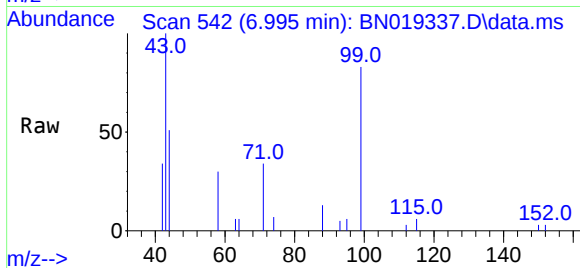
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Phenol-d6  
Concen: 0.213 ng  
RT: 6.995 min Scan# 541  
Delta R.T. 0.007 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion: 99 Resp: 3890  
Ion Ratio Lower Upper  
99 100  
42 20.8 16.2 24.4  
71 38.8 27.7 41.5

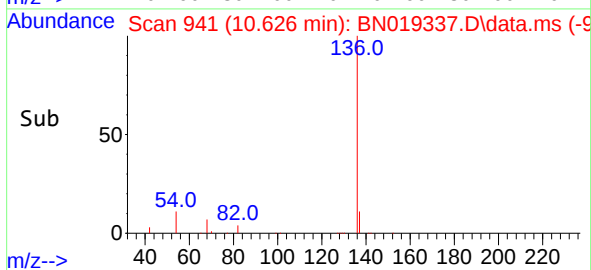
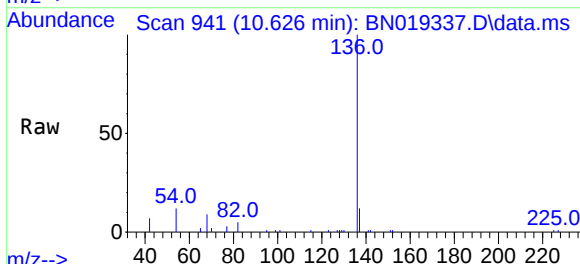
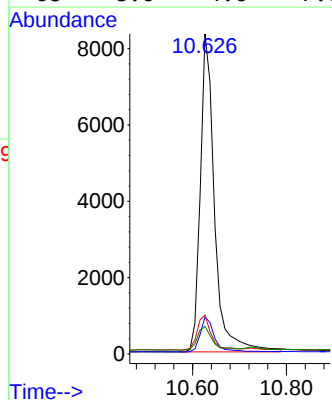
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#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.626 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

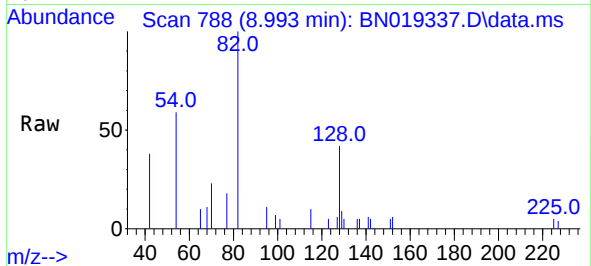
Tgt Ion:136 Resp: 17530  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.0 13.4  
54 12.2 5.8 8.6#  
68 8.6 4.6 7.0#





#8  
Nitrobenzene-d5  
Concen: 0.184 ng  
RT: 8.993 min Scan# 787  
Delta R.T. 0.011 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

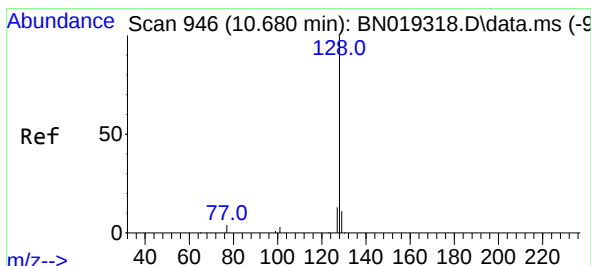
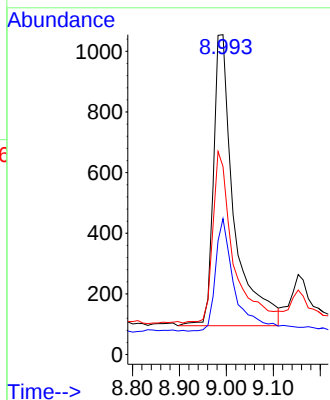
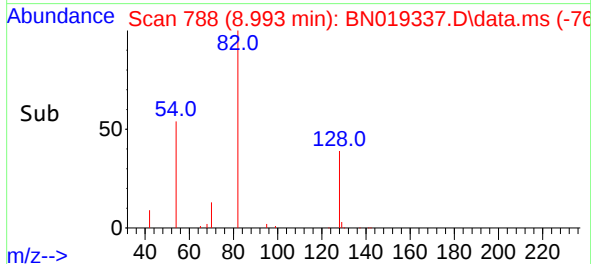
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



Tgt Ion: 82 Resp: 2935  
Ion Ratio Lower Upper  
82 100  
128 42.5 33.0 49.6  
54 58.8 42.5 63.7

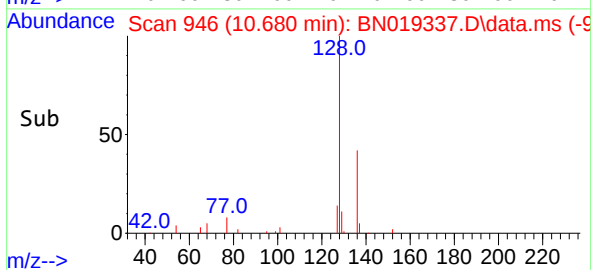
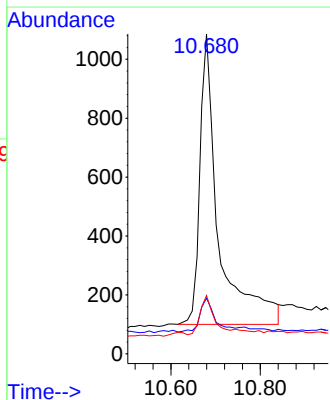
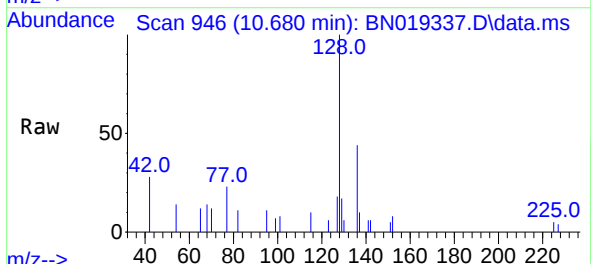
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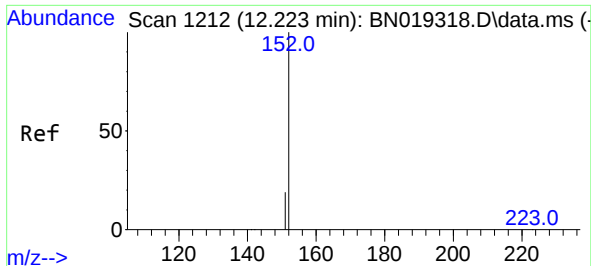
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022



#9  
Naphthalene  
Concen: 0.056 ng  
RT: 10.680 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

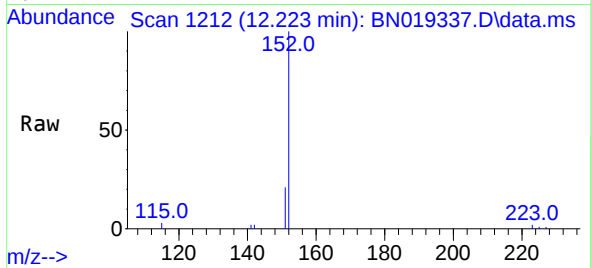
Tgt Ion:128 Resp: 2875  
Ion Ratio Lower Upper  
128 100  
129 17.4 9.0 13.4#  
127 18.2 10.7 16.1#





#11  
2-Methylnaphthalene-d10  
Concen: 0.236 ng  
RT: 12.223 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

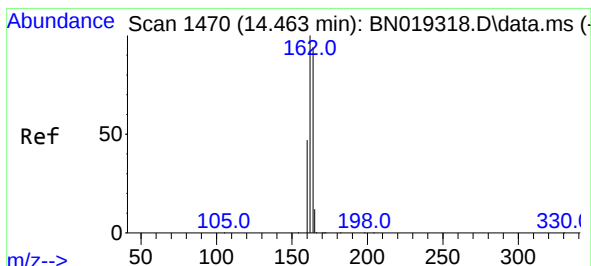
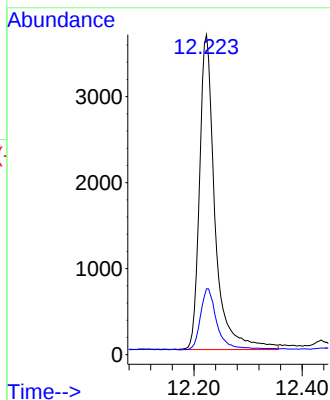
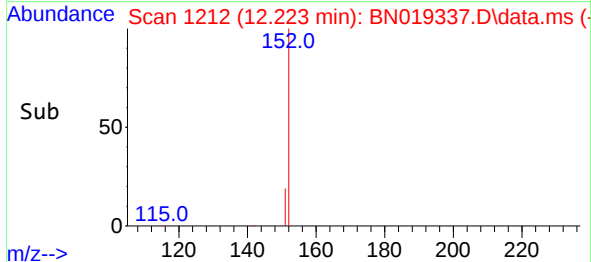
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



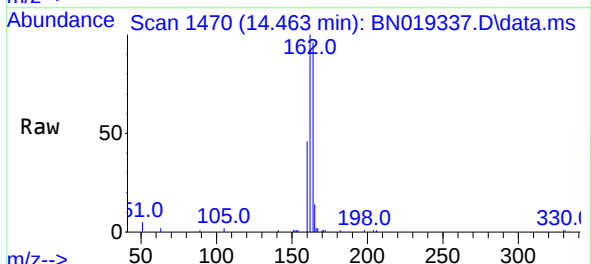
Tgt Ion:152 Resp: 7270  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.5 24.7

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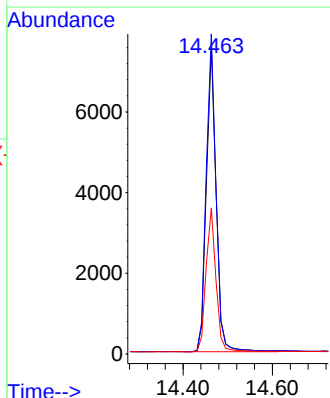
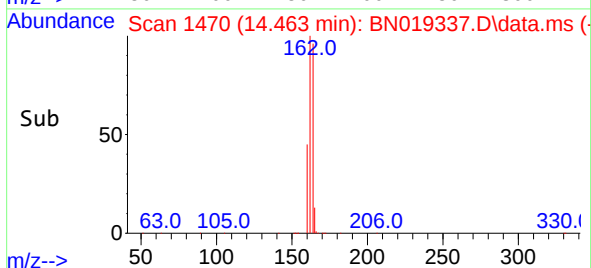
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022

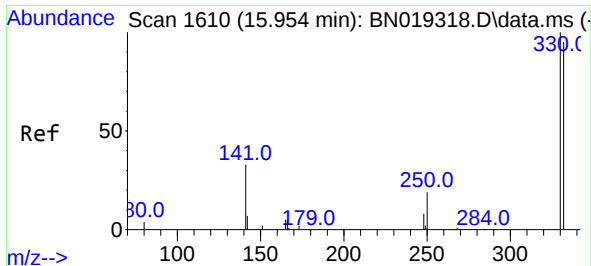


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.463 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



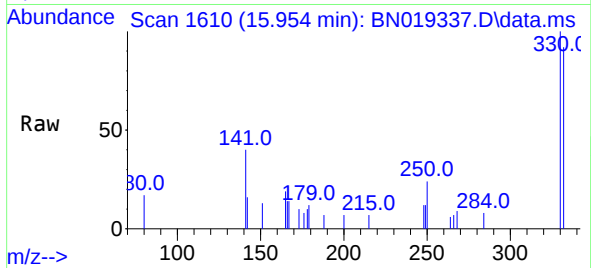
Tgt Ion:164 Resp: 11461  
Ion Ratio Lower Upper  
164 100  
162 104.2 85.2 127.8  
160 47.6 41.5 62.3





#14  
2,4,6-Tribromophenol  
Concen: 0.187 ng  
RT: 15.954 min Scan# 1610  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

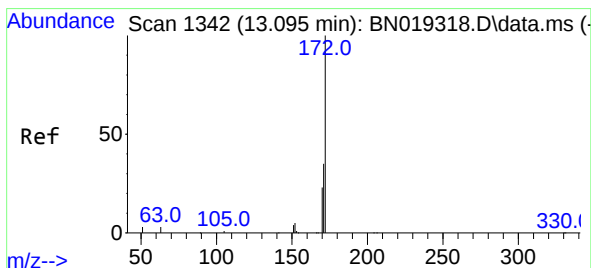
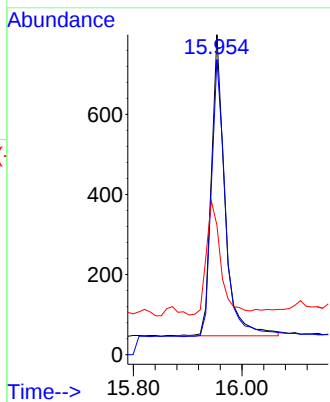
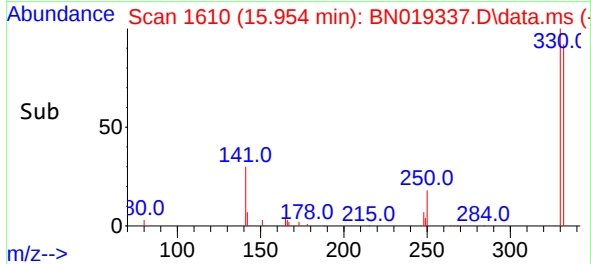
Instrument :  
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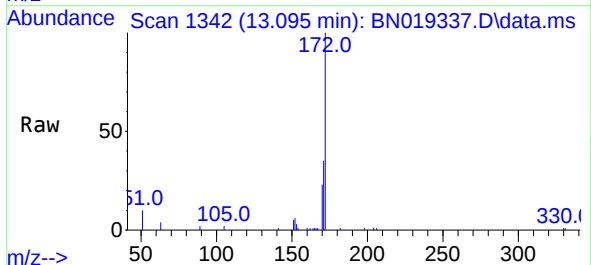
Tgt Ion:330 Resp: 130  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.8 115.2  
141 40.5 32.2 48.2

Manual Integrations  
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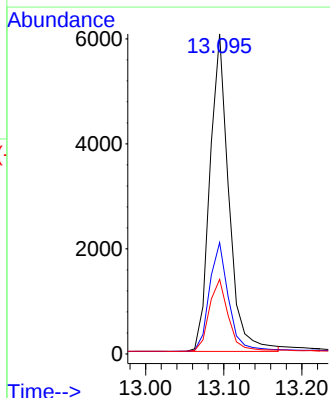
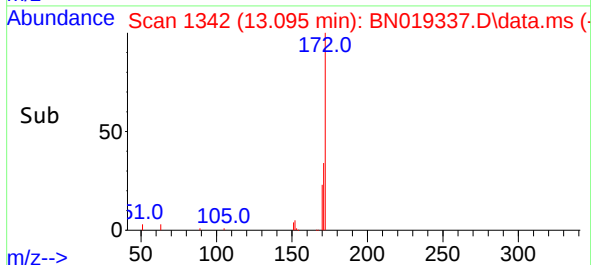
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022

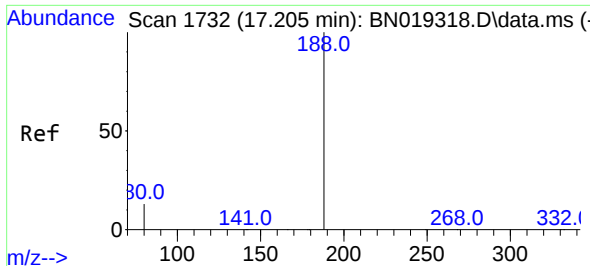


#15  
2-Fluorobiphenyl  
Concen: 0.214 ng  
RT: 13.095 min Scan# 1342  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



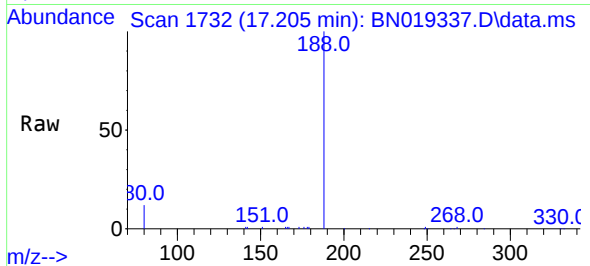
Tgt Ion:172 Resp: 10187  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.2 42.2  
170 23.3 18.7 28.1





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.205 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

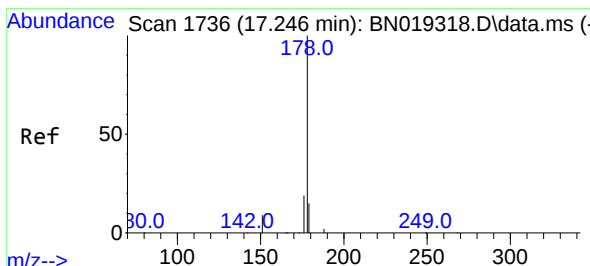
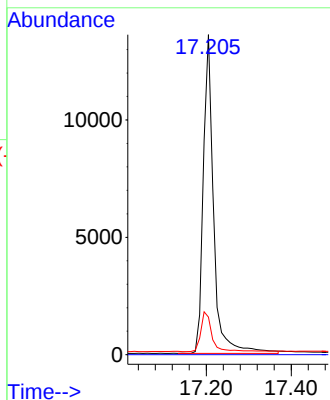
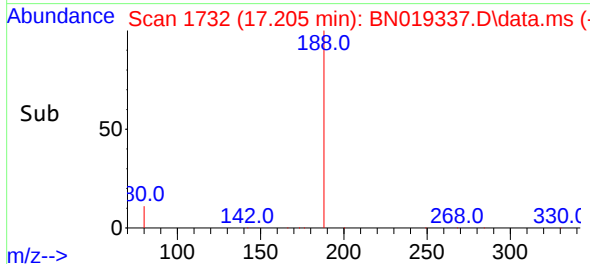
Instrument :  
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A13145



Tgt Ion:188 Resp: 22984  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.7 11.8 17.8

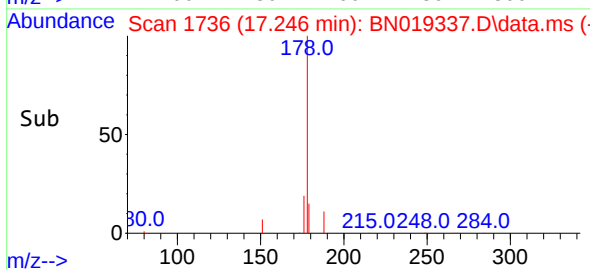
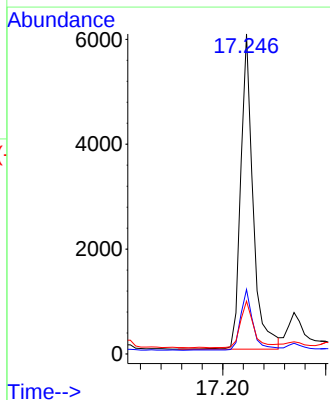
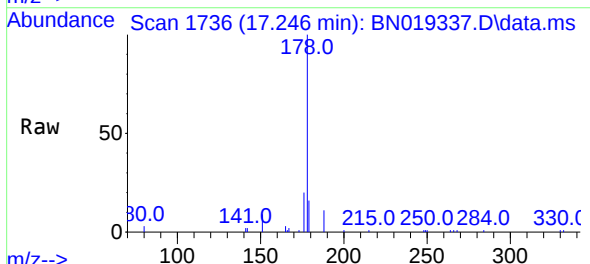
Manual Integrations  
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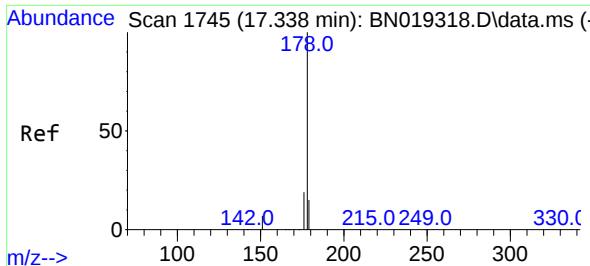
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022



#25  
Phenanthrene  
Concen: 0.129 ng  
RT: 17.246 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

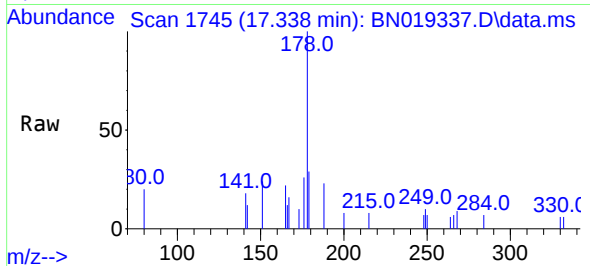
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Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.0  
179 15.7 12.2 18.2





#26  
 Anthracene  
 Concen: 0.021 ng  
 RT: 17.338 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BN019337.D  
 Acq: 05 Apr 2022 04:11

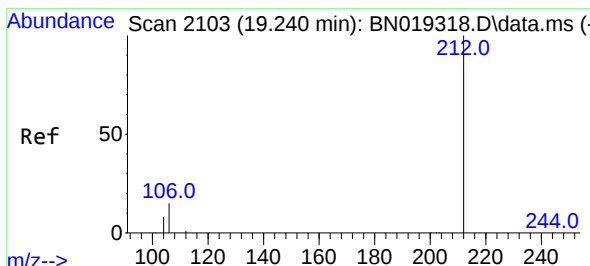
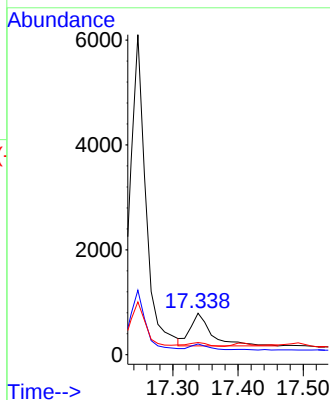
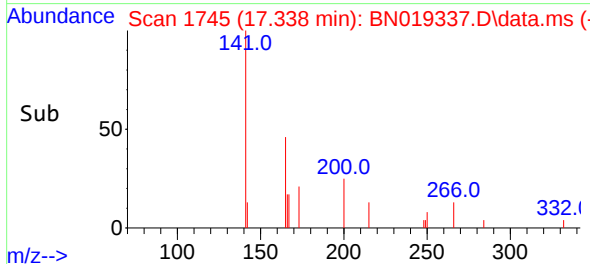
Instrument :  
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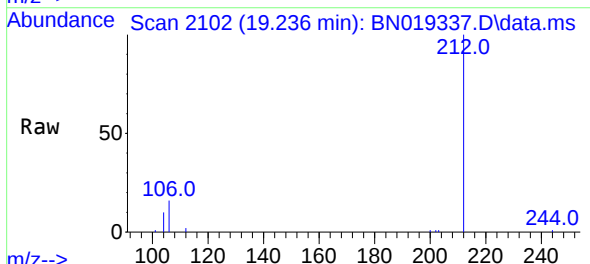
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 179 11.7 12.2 18.4

Manual Integrations  
 APPROVED

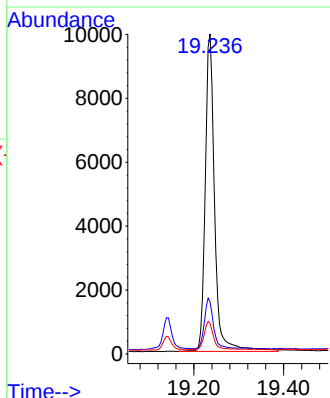
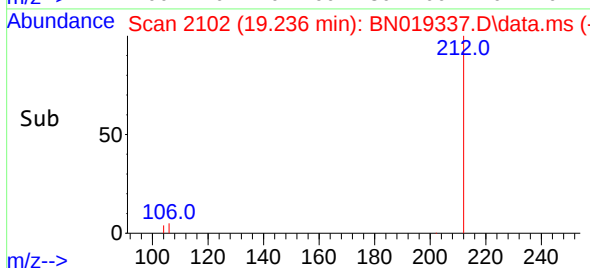
Reviewed By :Christian Giraldo 04/05/2022  
 Supervised By :Jagrut Upadhyay 04/05/2022

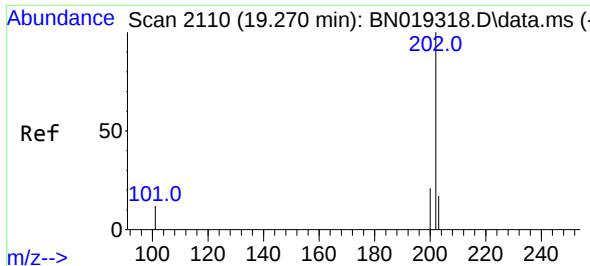


#27  
 Fluoranthene-d10  
 Concen: 0.194 ng  
 RT: 19.236 min Scan# 2102  
 Delta R.T. -0.004 min  
 Lab File: BN019337.D  
 Acq: 05 Apr 2022 04:11



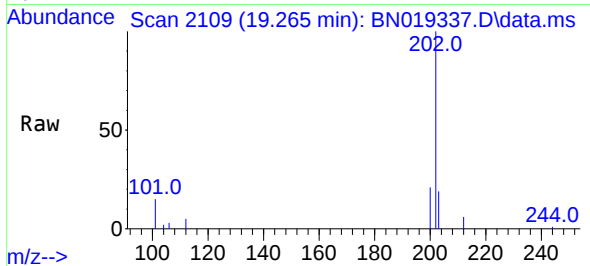
Tgt Ion:212 Resp: 14396  
 Ion Ratio Lower Upper  
 212 100  
 106 15.3 12.7 19.1  
 104 8.8 7.1 10.7





#28  
Fluoranthene  
Concen: 0.137 ng  
RT: 19.265 min Scan# 2109  
Delta R.T. -0.004 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

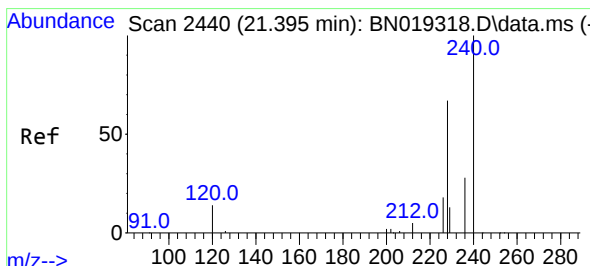
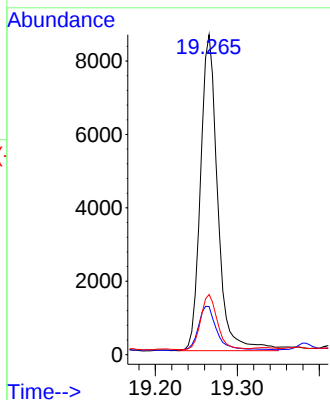
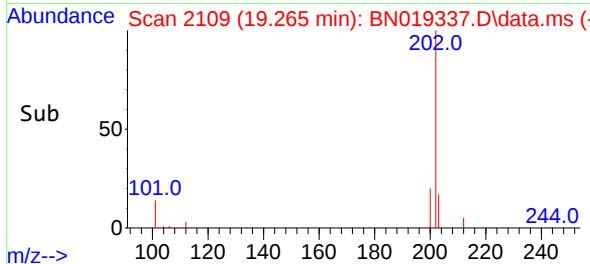
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



Tgt Ion:202 Resp: 12579  
Ion Ratio Lower Upper  
202 100  
101 15.0 9.8 14.6  
203 16.8 13.7 20.5

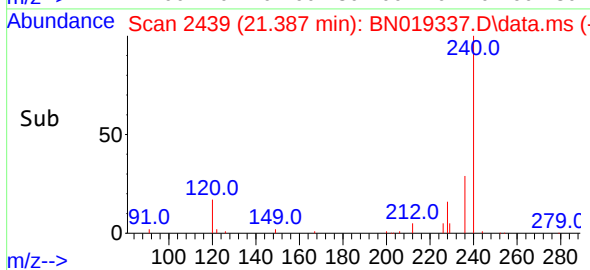
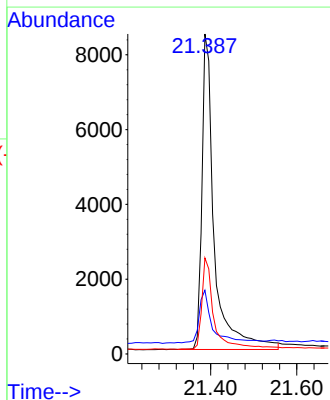
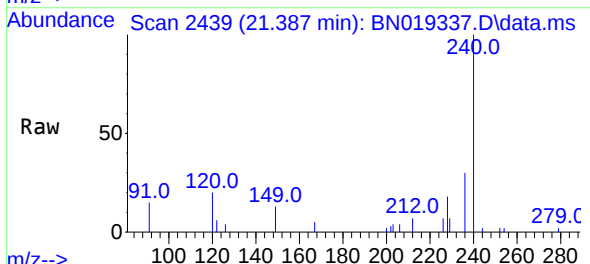
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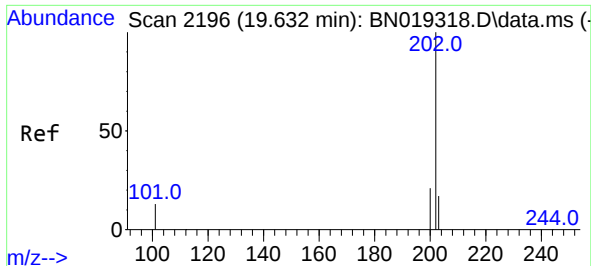
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.387 min Scan# 2439  
Delta R.T. -0.009 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

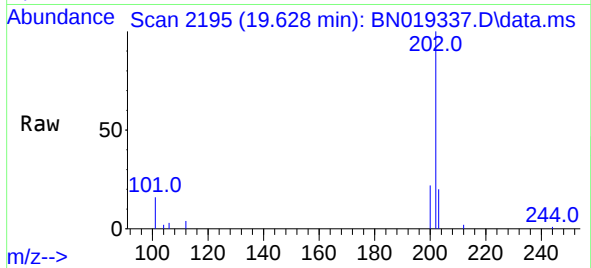
Tgt Ion:240 Resp: 16926  
Ion Ratio Lower Upper  
240 100  
120 19.9 8.5 12.7  
236 30.0 22.4 33.6





#30  
Pyrene  
Concen: 0.132 ng  
RT: 19.628 min Scan# 2195  
Delta R.T. -0.004 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

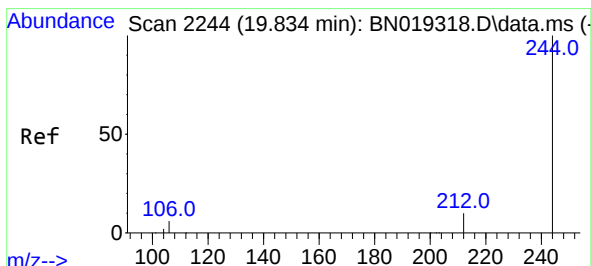
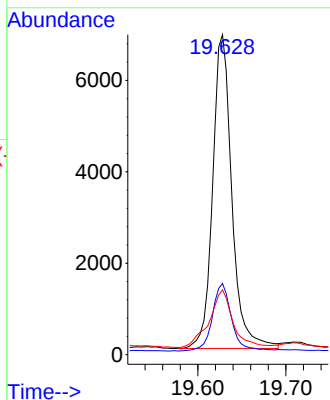
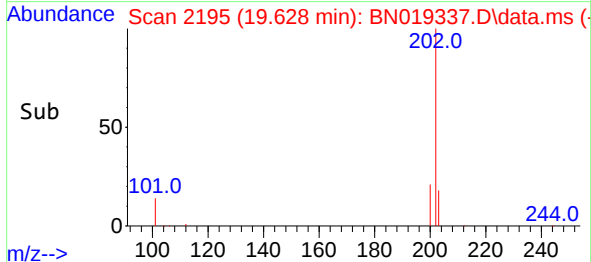
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



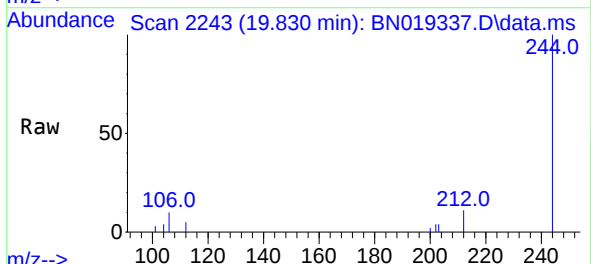
Tgt Ion:202 Resp: 1040  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.9 25.3  
203 22.6 14.2 21.2

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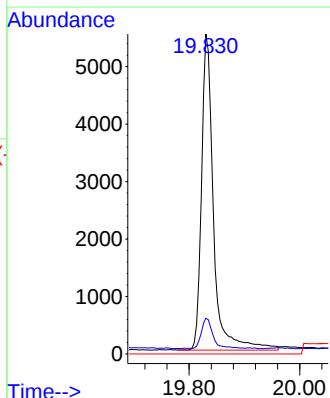
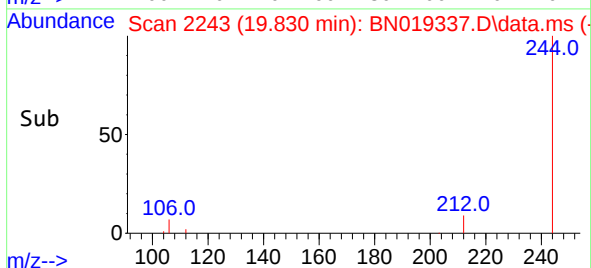
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022

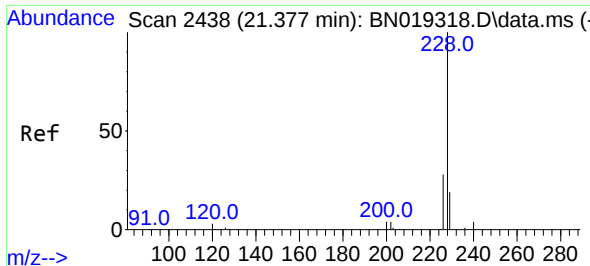


#31  
Terphenyl-d14  
Concen: 0.226 ng  
RT: 19.830 min Scan# 2243  
Delta R.T. -0.004 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



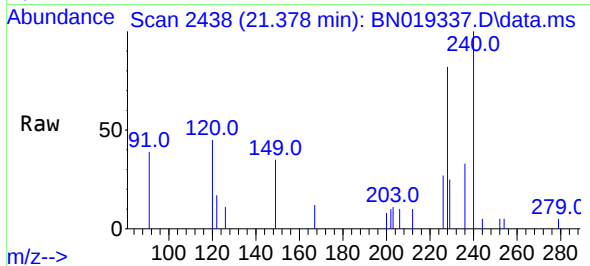
Tgt Ion:244 Resp: 8298  
Ion Ratio Lower Upper  
244 100  
212 11.2 8.2 12.4  
122 0.0 0.0 0.0





#32  
Benzo(a)anthracene  
Concen: 0.071 ng  
RT: 21.378 min Scan# 2438  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

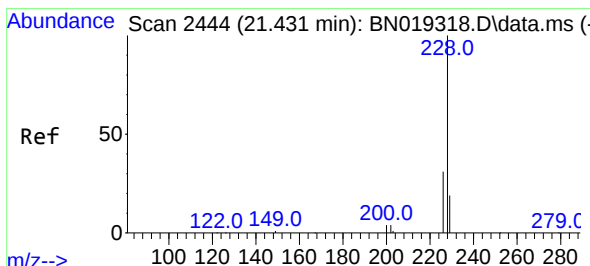
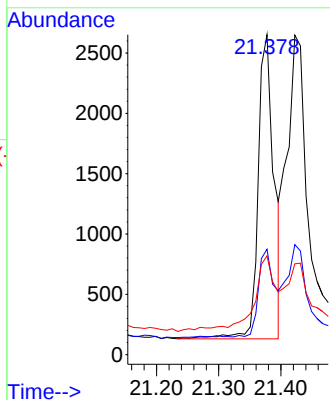
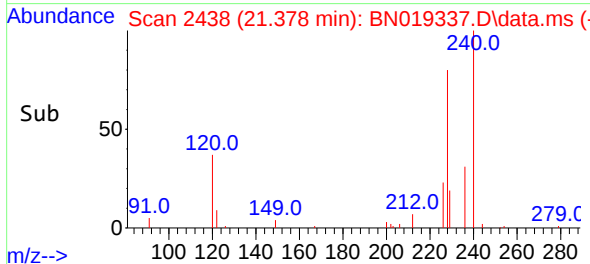
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



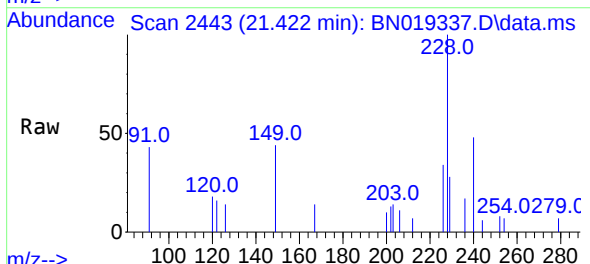
Tgt Ion:228 Resp: 4458  
Ion Ratio Lower Upper  
228 100  
226 33.0 21.9 32.9  
229 30.9 16.0 24.0

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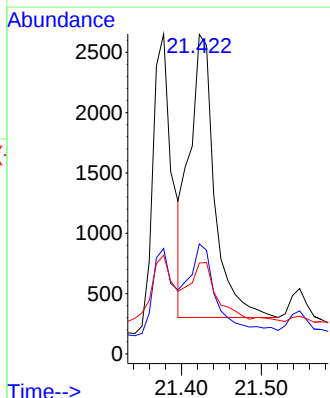
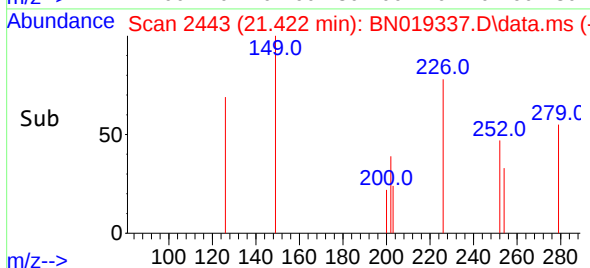
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022

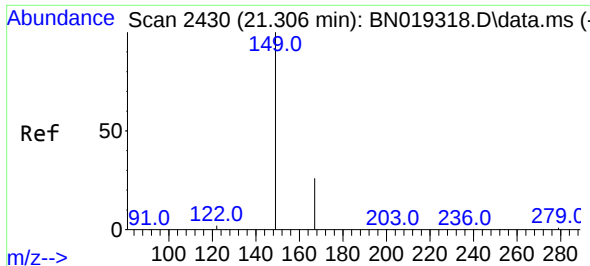


#33  
Chrysene  
Concen: 0.074 ng  
RT: 21.422 min Scan# 2443  
Delta R.T. -0.009 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



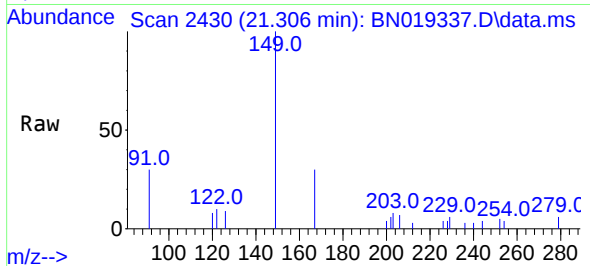
Tgt Ion:228 Resp: 5163  
Ion Ratio Lower Upper  
228 100  
226 34.4 24.0 36.0  
229 28.4 15.9 23.9





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.083 ng  
RT: 21.306 min Scan# 2430  
Delta R.T. 0.000 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

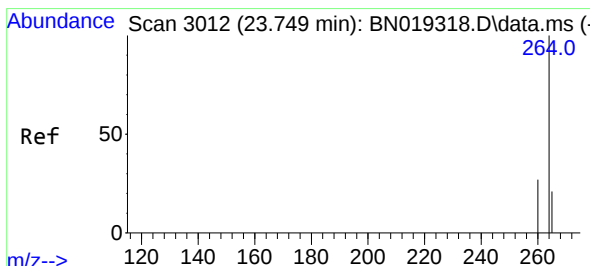
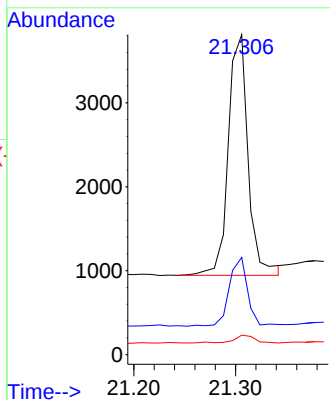
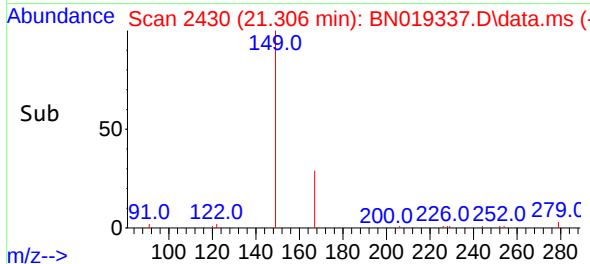
Instrument :  
BNA\_N  
Client Sample Id :  
A13145



Tgt Ion: 149 Resp: 3872  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.8 32.8  
279 3.5 2.0 3.0

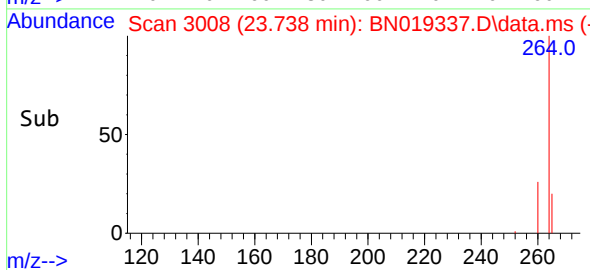
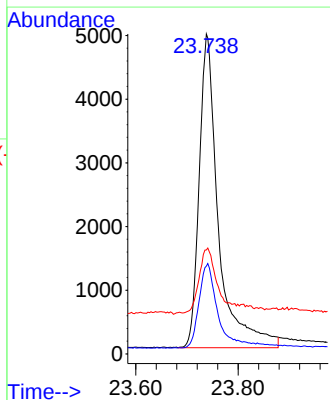
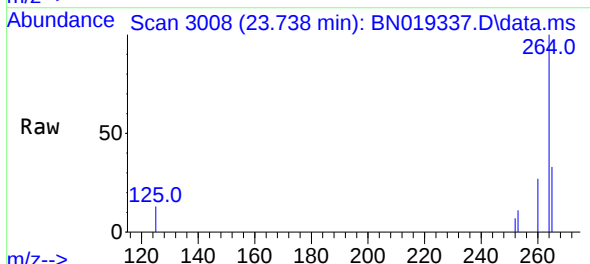
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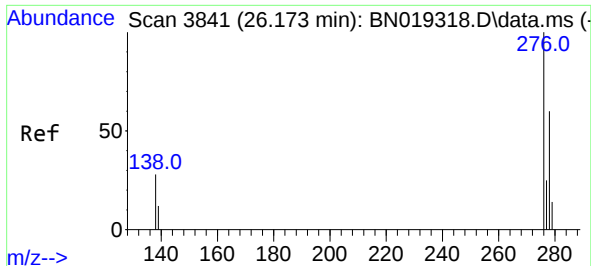
Reviewed By : Christian Giraldo 04/05/2022  
Supervised By : Jagrut Upadhyay 04/05/2022



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.738 min Scan# 3008  
Delta R.T. -0.012 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

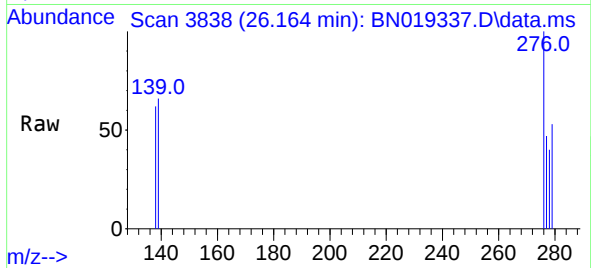
Tgt Ion: 264 Resp: 12841  
Ion Ratio Lower Upper  
264 100  
260 27.4 22.4 33.6  
265 32.5 25.3 37.9





#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.022 ng  
RT: 26.164 min Scan# 3841  
Delta R.T. -0.009 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

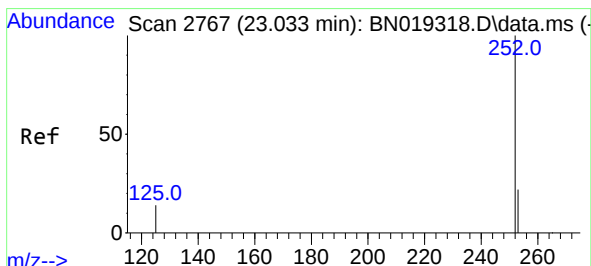
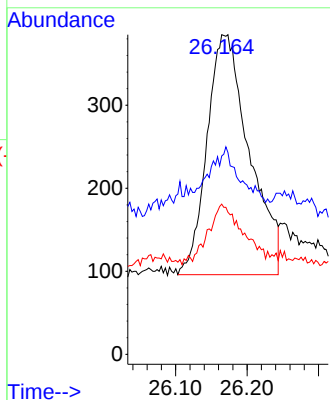
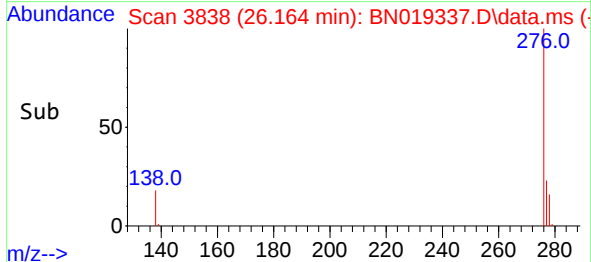
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



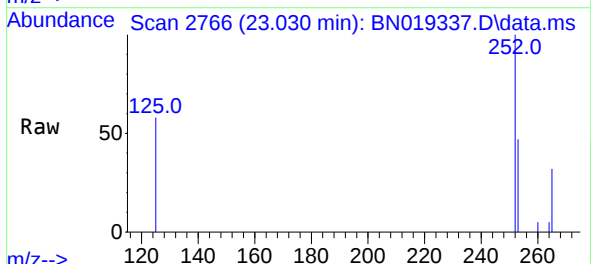
Tgt Ion:276 Resp: 1192  
Ion Ratio Lower Upper  
276 100  
138 11.4 24.5 36.7  
277 19.0 19.8 29.8

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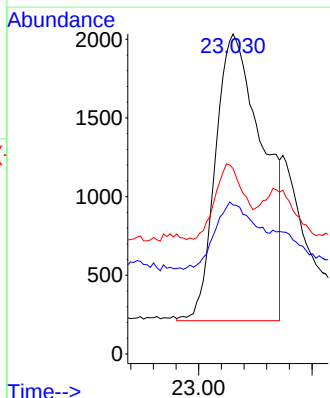
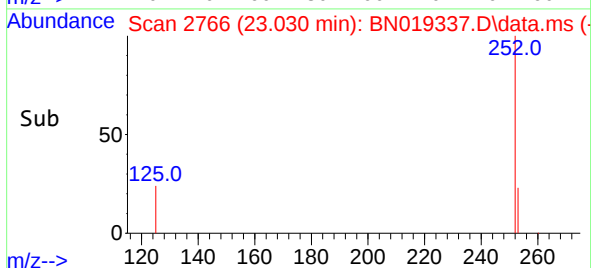
Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022

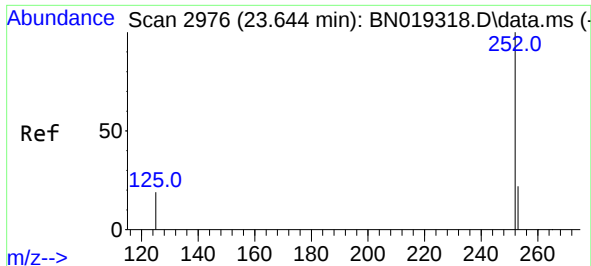


#37  
Benzo(b)fluoranthene  
Concen: 0.105 ng m  
RT: 23.030 min Scan# 2766  
Delta R.T. -0.003 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



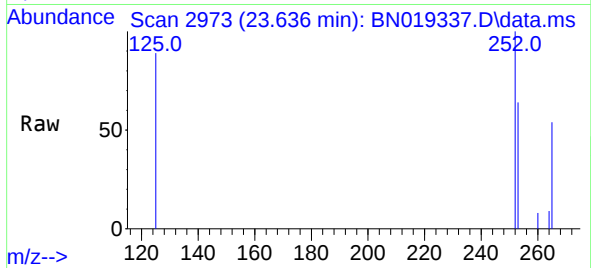
Tgt Ion:252 Resp: 5269  
Ion Ratio Lower Upper  
252 100  
253 46.6 18.9 28.3#  
125 58.0 12.1 18.1#





#39  
Benzo(a)pyrene  
Concen: 0.050 ng  
RT: 23.636 min Scan# 2973  
Delta R.T. -0.009 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11

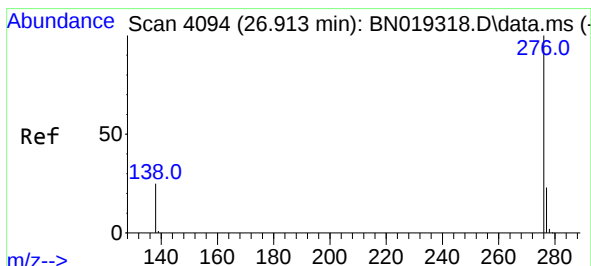
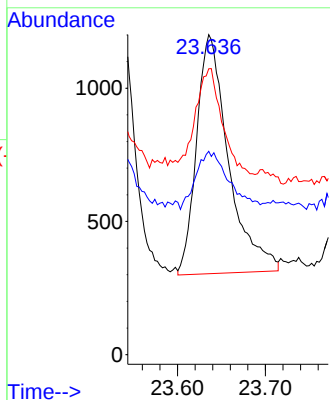
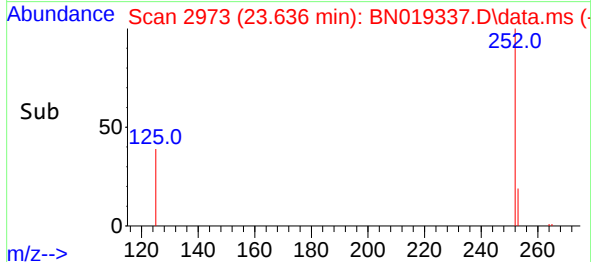
Instrument :  
BNA\_N  
ClientSampleId :  
A13145



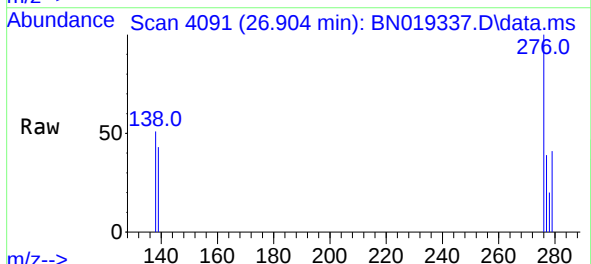
Tgt Ion:252 Resp: 2268  
Ion Ratio Lower Upper  
252 100  
253 63.5 20.1 30.1#  
125 89.3 15.2 22.8#

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Reviewed By :Christian Giraldo 04/05/2022  
Supervised By :Jagrut Upadhyay 04/05/2022



#41  
Benzo(g,h,i)perylene  
Concen: 0.032 ng  
RT: 26.904 min Scan# 4091  
Delta R.T. -0.009 min  
Lab File: BN019337.D  
Acq: 05 Apr 2022 04:11



Tgt Ion:276 Resp: 1612  
Ion Ratio Lower Upper  
276 100  
277 39.2 19.4 29.0#  
138 51.3 21.0 31.6#

