

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091522\  
 Data File : BF130276.D  
 Acq On : 15 Sep 2022 17:46  
 Operator : CG\JU  
 Sample : N4600-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OH-CON-0913

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
 Supervised By :Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 04:56:47 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 14 14:55:51 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.675  | 152  | 87529    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.957  | 136  | 315908   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.716  | 164  | 159221   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.198 | 188  | 243559   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.810 | 240  | 139744   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.204 | 264  | 145939   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.275  | 112  | 375933   | 74.494 | ng    | 0.00     |
| 7) Phenol-d6                | 6.304  | 99   | 559896   | 88.671 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.240  | 82   | 378953   | 61.284 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.504 | 330  | 72641    | 47.613 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.039  | 172  | 642329   | 58.746 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.775 | 244  | 517514   | 61.345 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene     | 8.675  | 142  | 164423   | 15.845 | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.775  | 142  | 374935   | 37.612 | ng    | 99       |
| 52) Acenaphthene            | 9.745  | 154  | 47379    | 5.000  | ng    | # 90     |
| 58) Fluorene                | 10.263 | 166  | 98911    | 9.176  | ng    | # 84     |
| 71) Phenanthrene            | 11.222 | 178  | 307178m  | 22.464 | ng    |          |
| 78) Pyrene                  | 12.622 | 202  | 24820    | 2.030  | ng    | # 95     |
| -----                       |        |      |          |        |       |          |

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

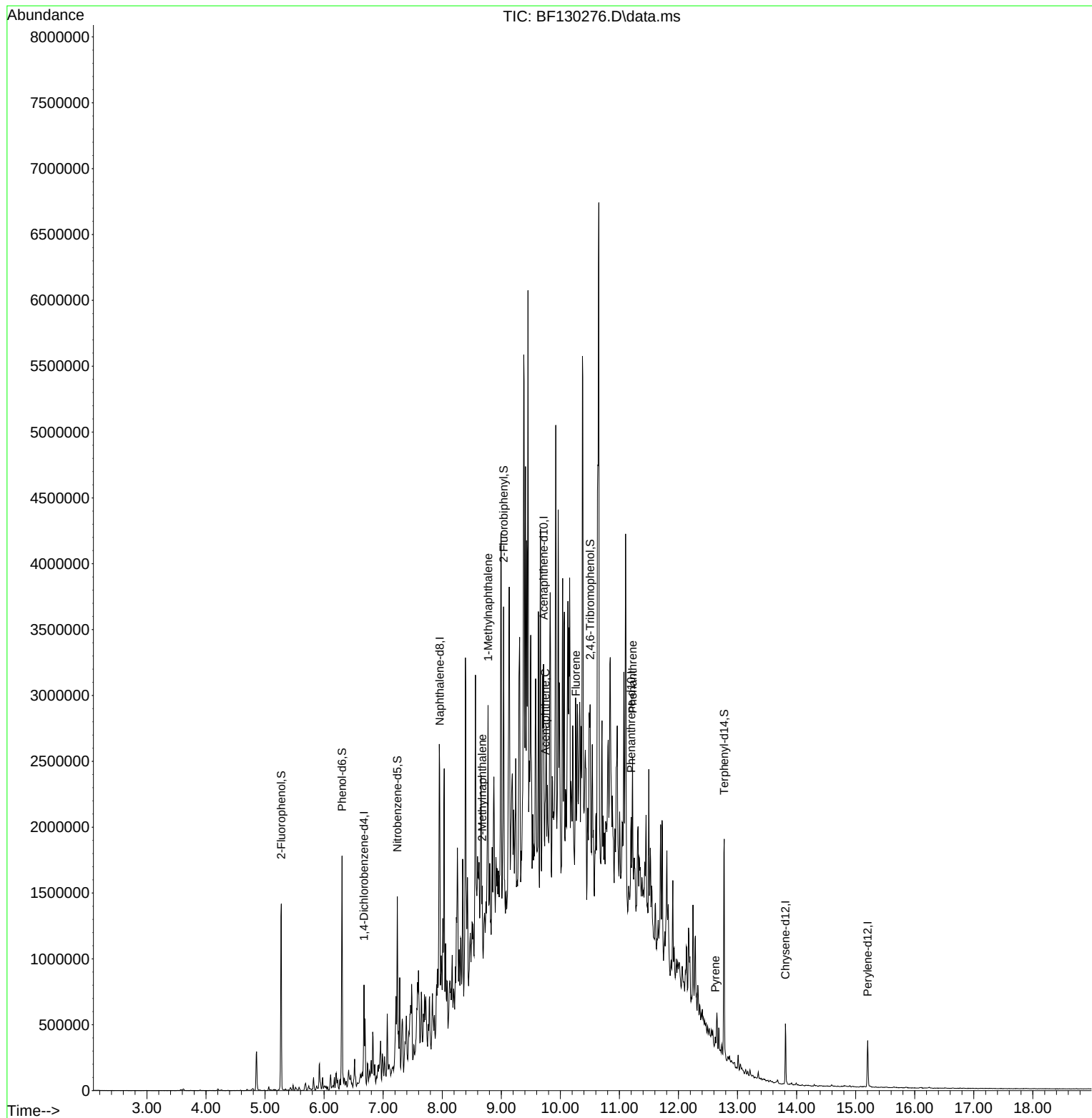
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091522\  
Data File : BF130276.D  
Acq On : 15 Sep 2022 17:46  
Operator : CG\JU  
Sample : N4600-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

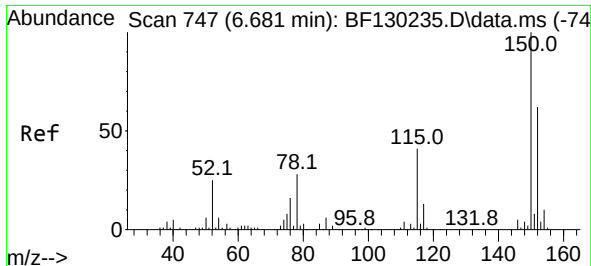
Instrument :  
BNA\_F  
ClientSampleId :  
OH-CON-0913

Quant Time: Sep 16 04:56:47 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 14 14:55:51 2022  
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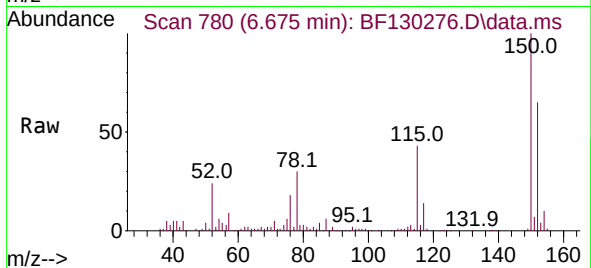
Reviewed By : Christian Giraldo 09/16/2022  
Supervised By : Jagrut Upadhyay 09/16/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.675 min Scan# 747  
Delta R.T. -0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

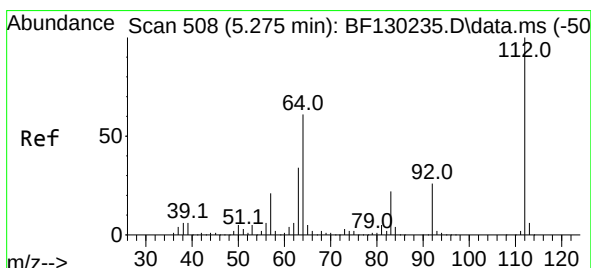
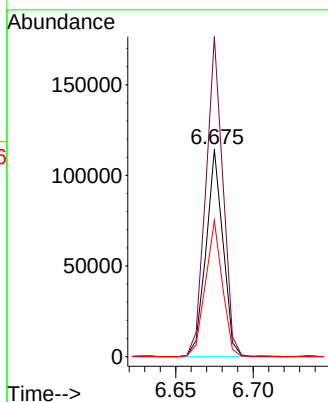
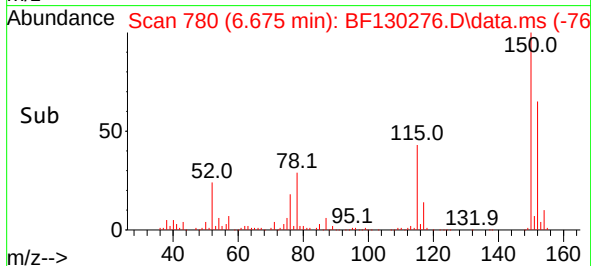
Instrument :  
BNA\_F  
ClientSampleId :  
OH-CON-0913



Tgt Ion:152 Resp: 87529  
Ion Ratio Lower Upper  
152 100  
150 154.3 122.8 184.2  
115 65.6 53.8 80.8

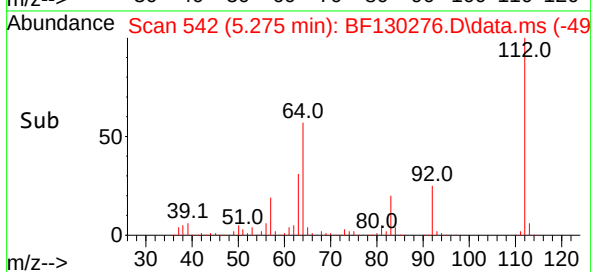
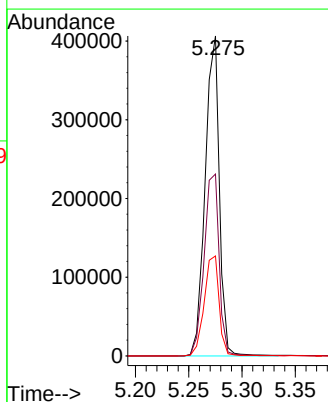
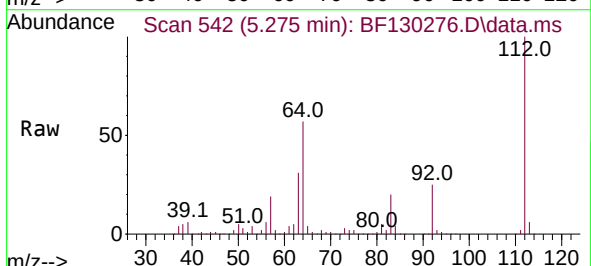
Manual Integrations  
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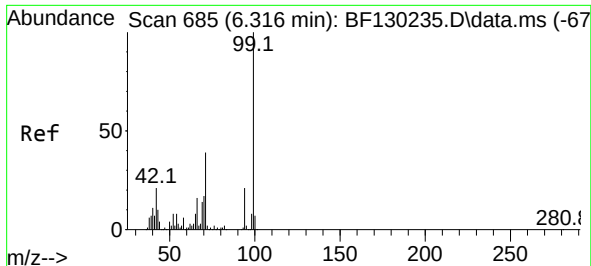
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#5  
2-Fluorophenol  
Concen: 74.494 ng  
RT: 5.275 min Scan# 542  
Delta R.T. 0.000 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

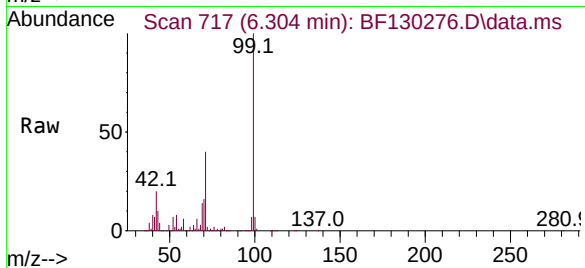
Tgt Ion:112 Resp: 375933  
Ion Ratio Lower Upper  
112 100  
64 56.8 51.4 77.0  
63 31.2 28.8 43.2





#7  
Phenol-d6  
Concen: 88.671 ng  
RT: 6.304 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

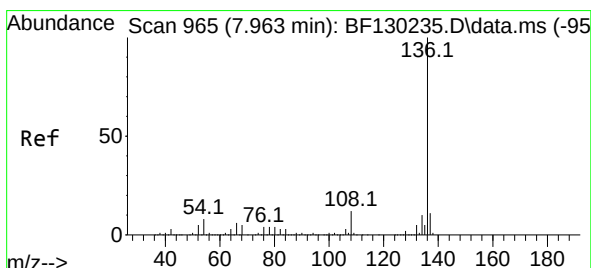
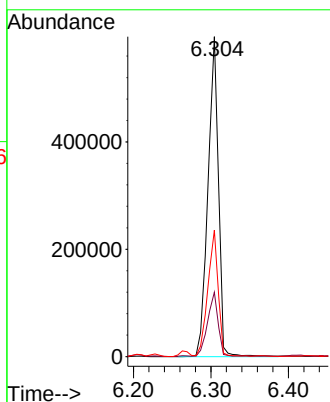
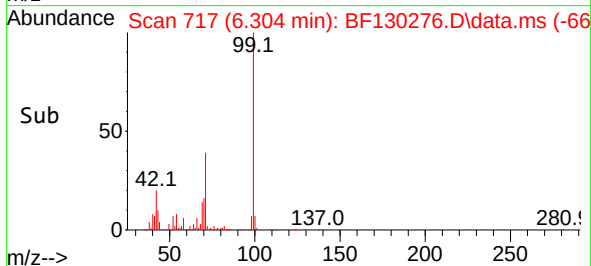
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 559896  
Ion Ratio Lower Upper  
99 100  
42 20.1 17.0 25.6  
71 39.5 32.3 48.5

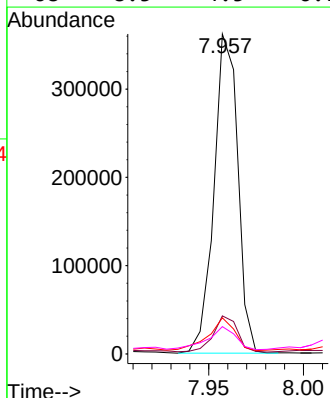
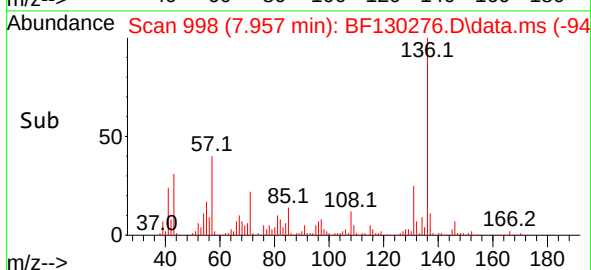
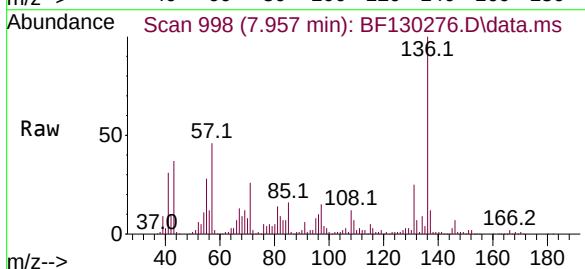
Manual Integrations  
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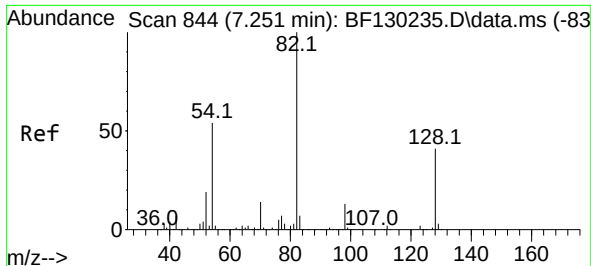
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.957 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

Tgt Ion:136 Resp: 315908  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.1 13.7  
54 11.3 7.1 10.7#  
68 8.5 4.5 6.7#





#23  
Nitrobenzene-d5  
Concen: 61.284 ng  
RT: 7.240 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

Instrument :

BNA\_F

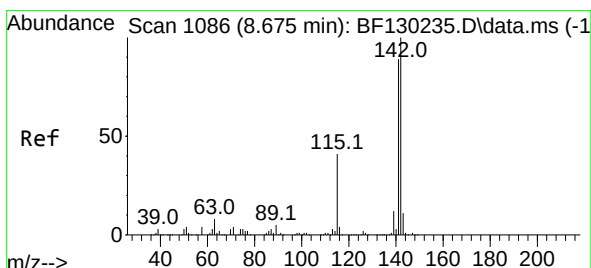
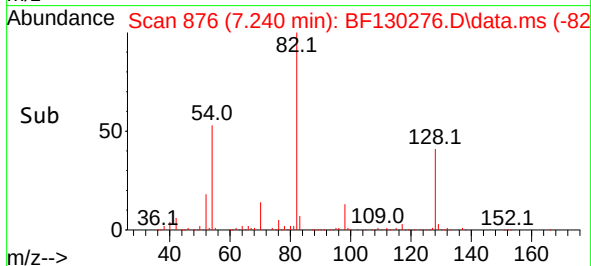
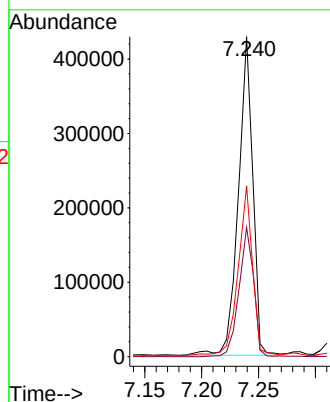
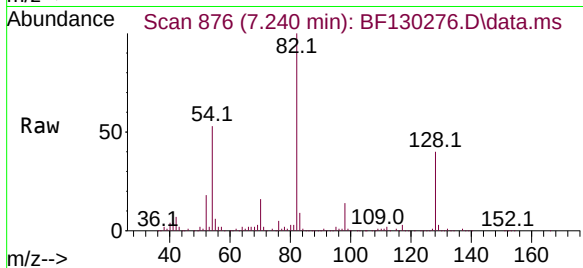
ClientSampleId :

OH-CON-0913

Tgt Ion: 82 Resp: 378953  
Ion Ratio Lower Upper  
82 100  
128 40.3 32.6 49.0  
54 53.3 43.8 65.6

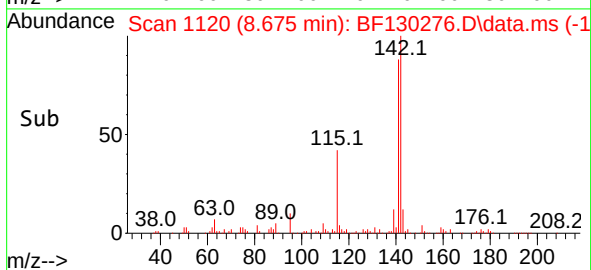
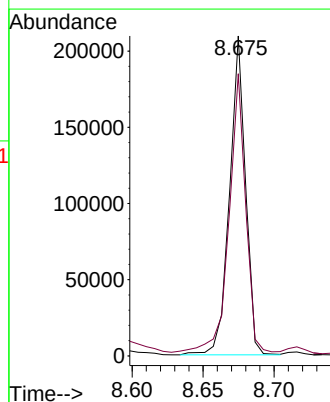
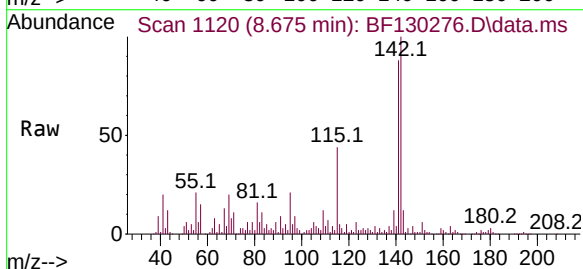
Manual Integrations  
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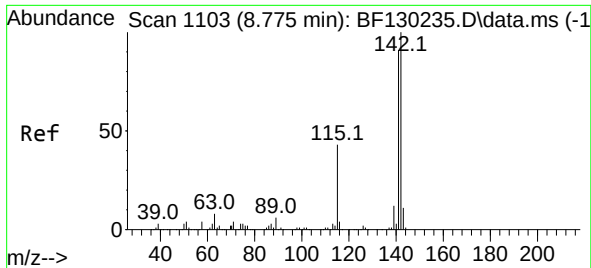
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#37  
2-Methylnaphthalene  
Concen: 15.845 ng  
RT: 8.675 min Scan# 1120  
Delta R.T. 0.000 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

Tgt Ion:142 Resp: 164423  
Ion Ratio Lower Upper  
142 100  
141 88.2 70.0 105.0





#38  
1-Methylnaphthalene  
Concen: 37.612 ng  
RT: 8.775 min Scan# 1103  
Delta R.T. 0.000 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

Instrument :

BNA\_F

ClientSampleId :

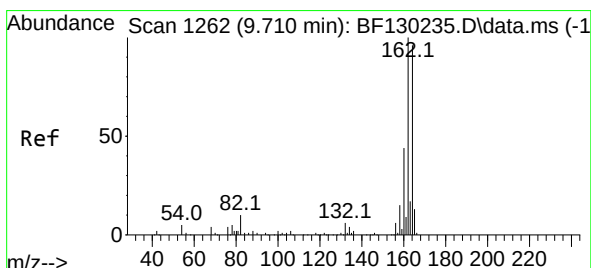
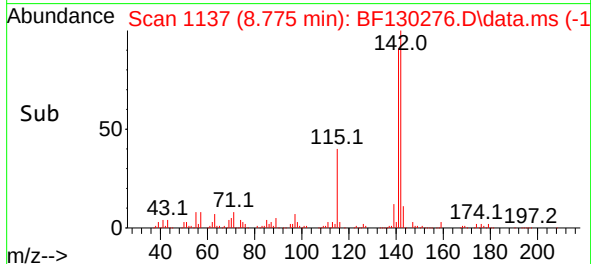
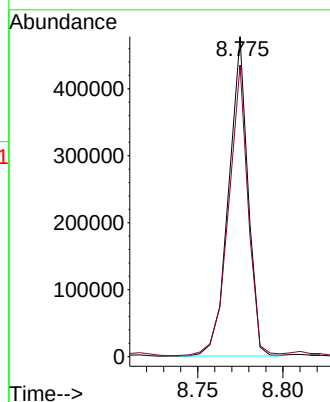
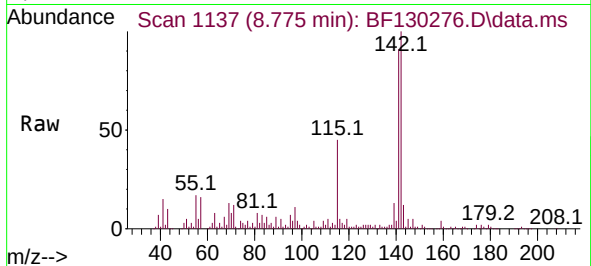
OH-CON-0913

Tgt Ion:142 Resp: 374935  
Ion Ratio Lower Upper  
142 100  
141 91.1 73.8 110.8

Manual Integrations

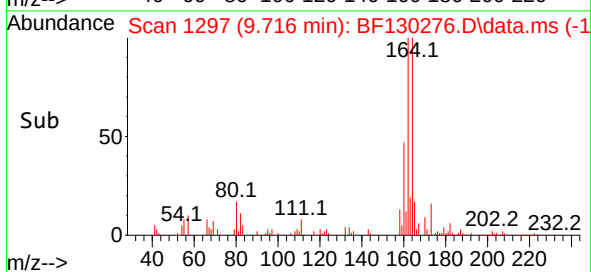
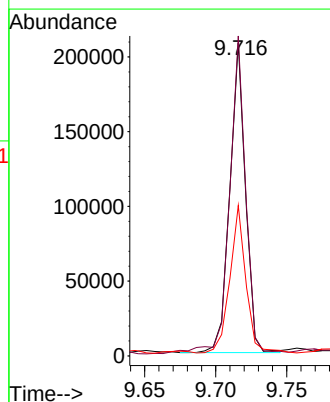
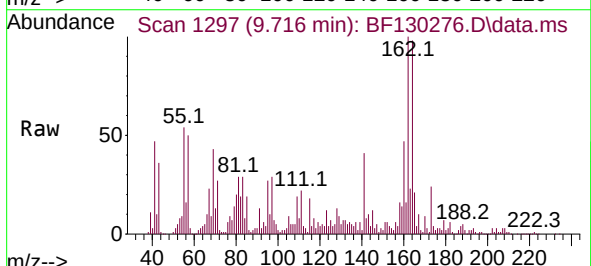
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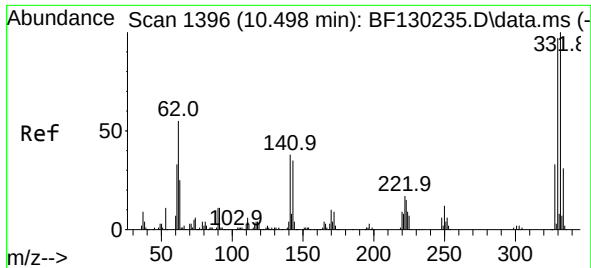
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.716 min Scan# 1297  
Delta R.T. 0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

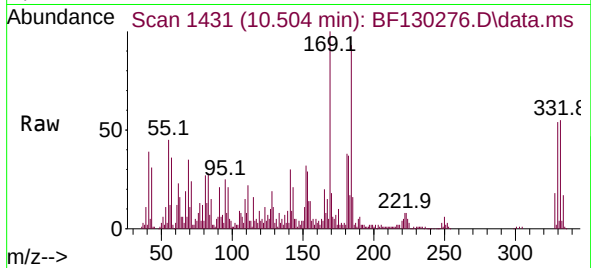
Tgt Ion:164 Resp: 159221  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.4 122.0  
160 48.0 36.2 54.4





#42  
2,4,6-Tribromophenol  
Concen: 47.613 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

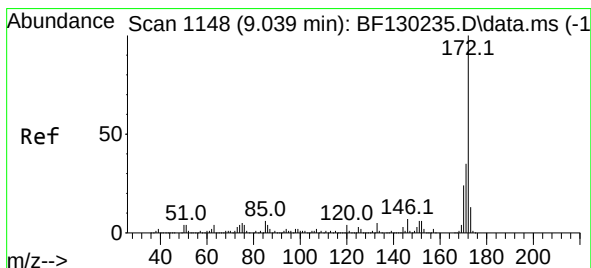
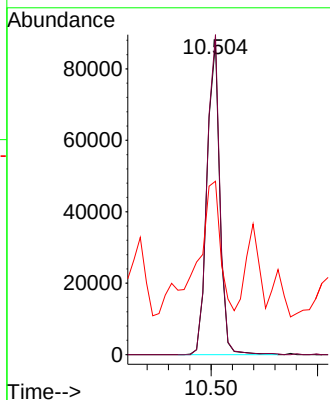
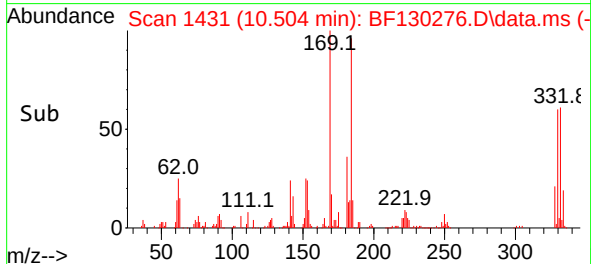
Instrument :  
BNA\_F  
ClientSampleId :  
OH-CON-0913



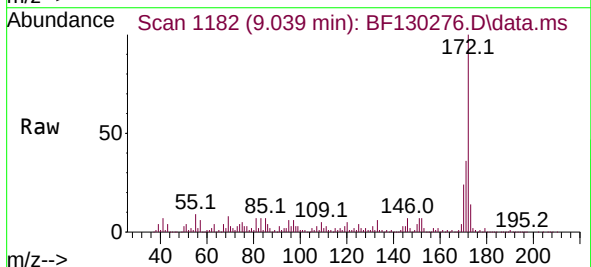
Tgt Ion: 330 Resp: 72641  
Ion Ratio Lower Upper  
330 100  
332 102.3 83.4 125.2  
141 81.3 34.0 51.0

Manual Integrations  
APPROVED

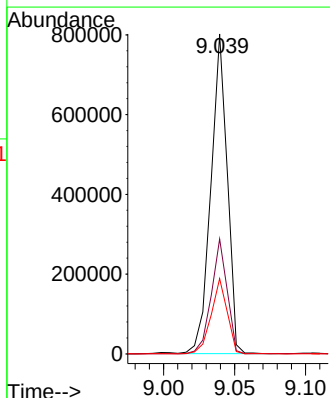
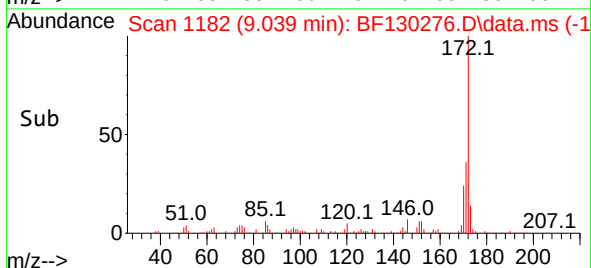
Reviewed By : Christian Giraldo 09/16/2022  
Supervised By : Jagrut Upadhyay 09/16/2022

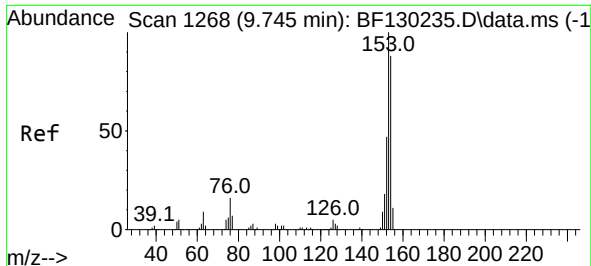


#45  
2-Fluorobiphenyl  
Concen: 58.746 ng  
RT: 9.039 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46



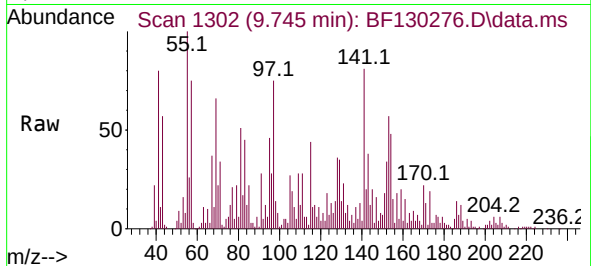
Tgt Ion: 172 Resp: 642329  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.3 42.5  
170 23.5 18.7 28.1





#52  
Acenaphthene  
Concen: 5.000 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

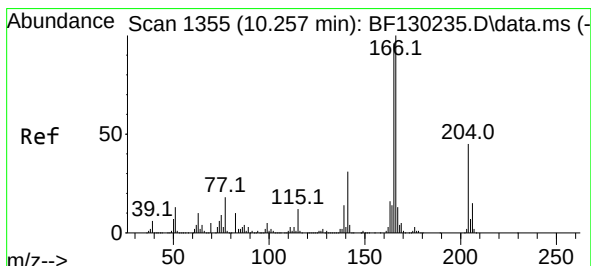
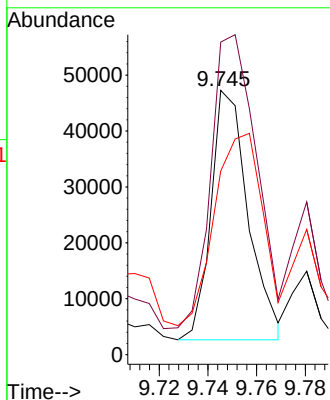
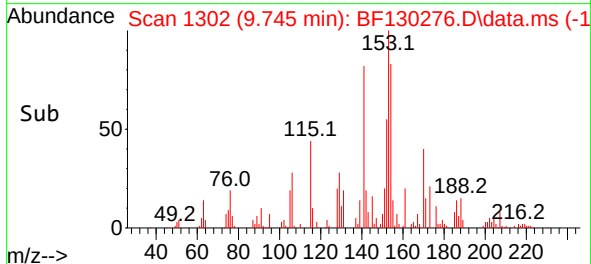
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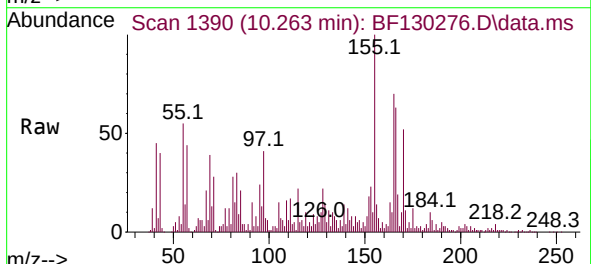
Tgt Ion:154 Resp: 47379  
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153 118.3 90.6 136.0  
152 69.5 43.8 65.6

Manual Integrations  
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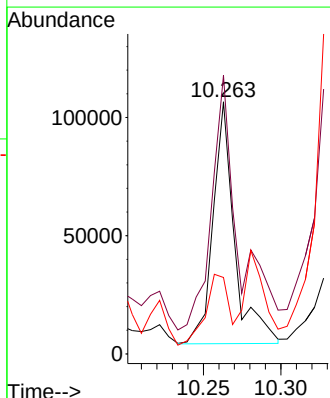
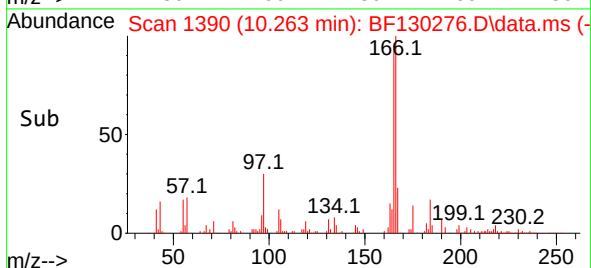
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



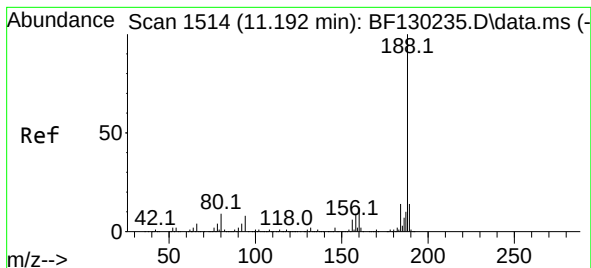
#58  
Fluorene  
Concen: 9.176 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. 0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46



Tgt Ion:166 Resp: 98911  
Ion Ratio Lower Upper  
166 100  
165 110.5 78.8 118.2  
167 30.3 10.6 15.8







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.198 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

Instrument :

BNA\_F

ClientSampleId :

OH-CON-0913

Tgt Ion:188 Resp: 243559

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

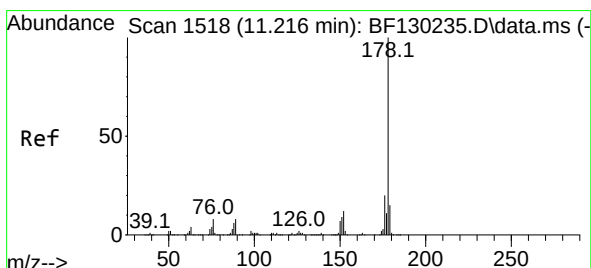
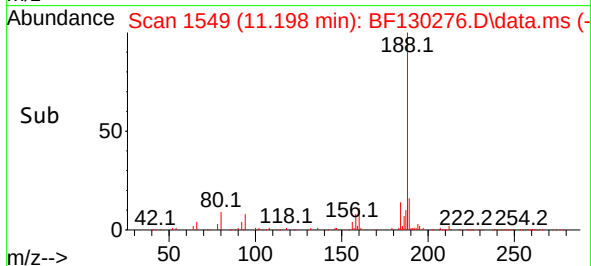
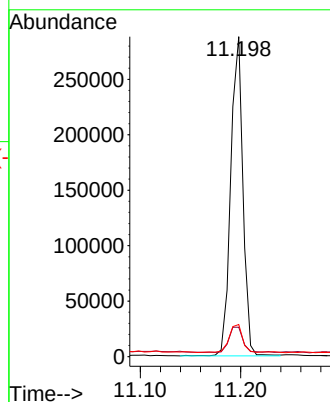
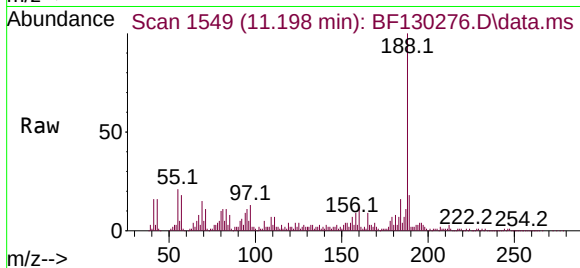
80 10.0 7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#71

Phenanthrene

Concen: 22.464 ng m

RT: 11.222 min Scan# 1553

Delta R.T. 0.006 min

Lab File: BF130276.D

Acq: 15 Sep 2022 17:46

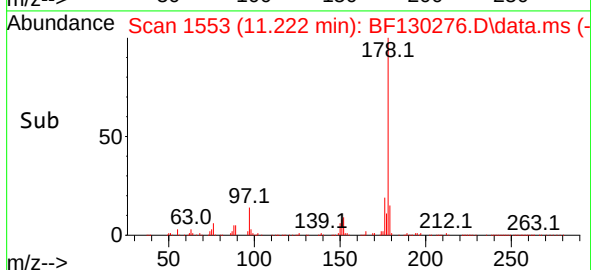
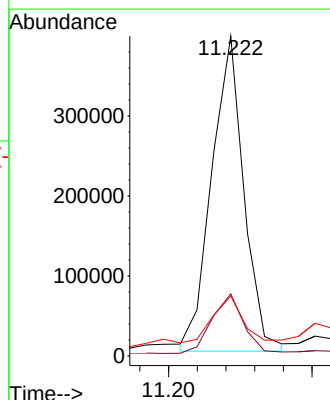
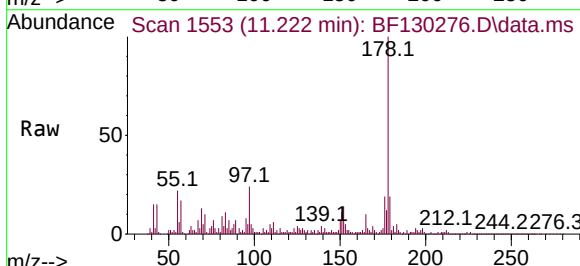
Tgt Ion:178 Resp: 307178

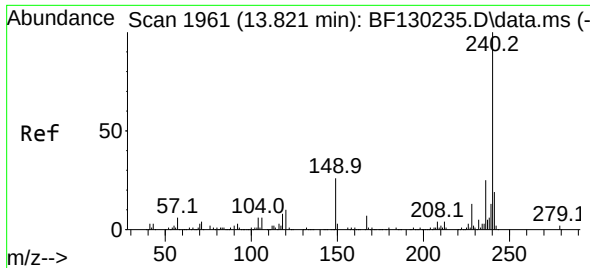
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 18.7 12.4 18.6#





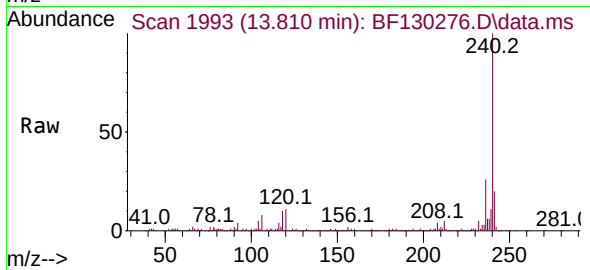
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.810 min Scan# 1961  
Delta R.T. -0.012 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

Instrument :

BNA\_F

ClientSampleId :

OH-CON-0913

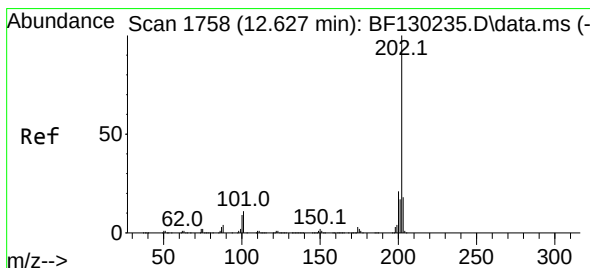
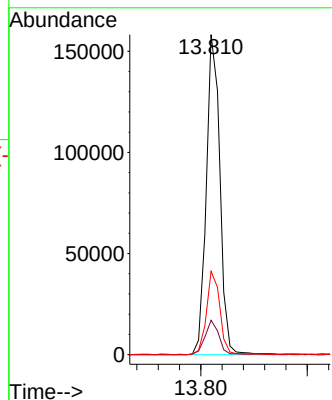
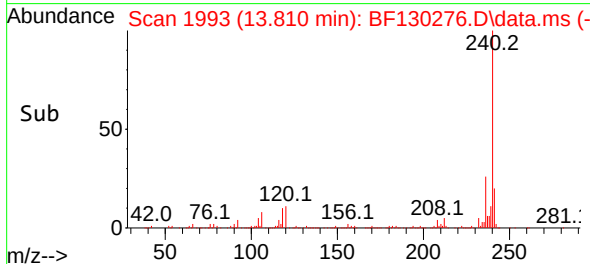


Tgt Ion:240 Resp: 139744  
Ion Ratio Lower Upper  
240 100  
120 10.7 8.7 13.1  
236 26.0 20.9 31.3

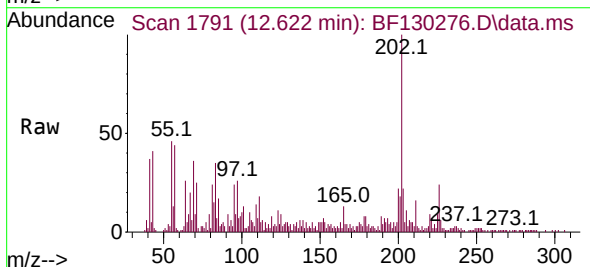
Manual Integrations

APPROVED

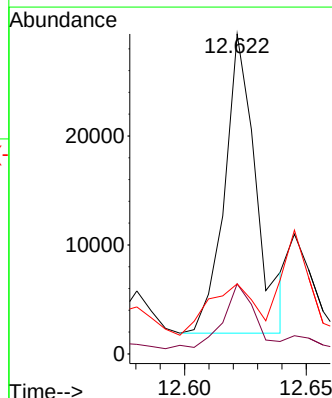
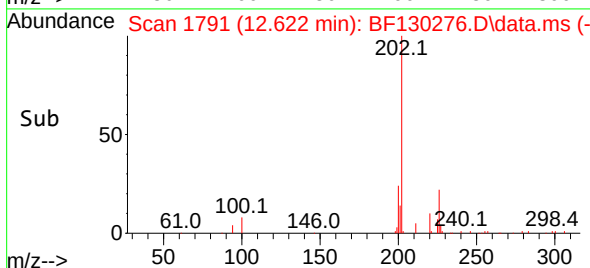
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

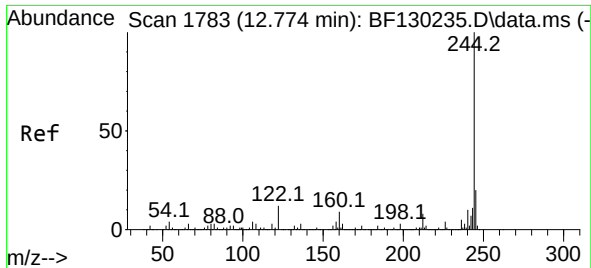


#78  
Pyrene  
Concen: 2.030 ng  
RT: 12.622 min Scan# 1791  
Delta R.T. -0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46



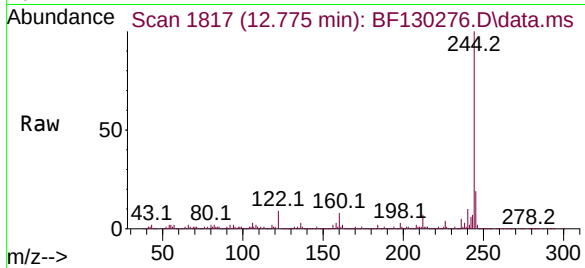
Tgt Ion:202 Resp: 24820  
Ion Ratio Lower Upper  
202 100  
200 21.9 17.2 25.8  
203 21.9 14.3 21.5#





#79  
Terphenyl-d14  
Concen: 61.345 ng  
RT: 12.775 min Scan# 1817  
Delta R.T. 0.000 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46

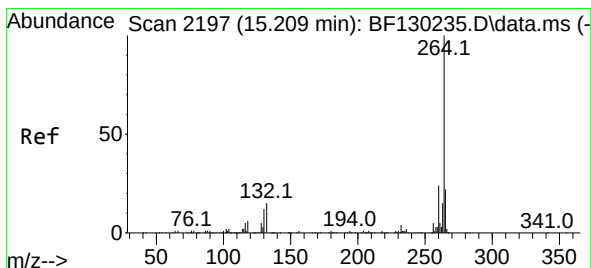
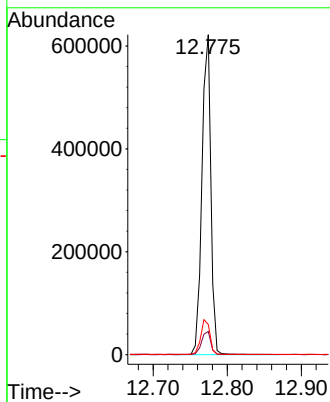
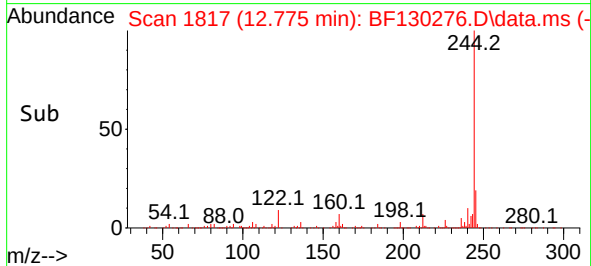
Instrument :  
BNA\_F  
ClientSampleId :  
OH-CON-0913



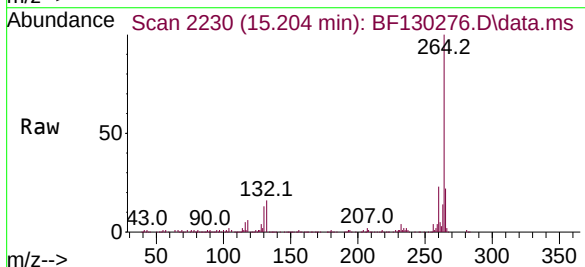
Tgt Ion:244 Resp: 517514  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.9 8.9  
122 9.4 8.5 12.7

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.204 min Scan# 2230  
Delta R.T. -0.006 min  
Lab File: BF130276.D  
Acq: 15 Sep 2022 17:46



Tgt Ion:264 Resp: 145939  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.3 28.9  
265 21.5 17.0 25.4

