

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042622\  
 Data File : BF127934.D  
 Acq On : 27 Apr 2022 01:30  
 Operator : CG\JU  
 Sample : N2554-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-2520253

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022  
 Supervised By : Jagrut Upadhyay 04/27/2022

Quant Time: Apr 27 03:21:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 00:43:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.939  | 152  | 138907   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.222  | 136  | 528839   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.980  | 164  | 284577   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.474 | 188  | 414920   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.121 | 240  | 289584   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.639 | 264  | 236767   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.581  | 112  | 1182412  | 135.582 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.575  | 99   | 1543398  | 136.389 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.510  | 82   | 1144889  | 101.803 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.780 | 330  | 361421   | 126.162 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.304  | 172  | 1668572  | 99.193  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.063 | 244  | 1271151  | 80.266  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene              | 11.498 | 178  | 73975    | 3.406   | ng    | 98       |
| 75) Fluoranthene              | 12.692 | 202  | 117514   | 5.141   | ng    | 96       |
| 78) Pyrene                    | 12.921 | 202  | 99543    | 4.258   | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.110 | 228  | 52886    | 2.740   | ng    | 100      |
| 83) Chrysene                  | 14.145 | 228  | 50071    | 2.716   | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.086 | 149  | 62611    | 5.153   | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.186 | 252  | 64492m   | 4.337   | ng    |          |
| 90) Benzo(a)pyrene            | 15.568 | 252  | 40616    | 3.293   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

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

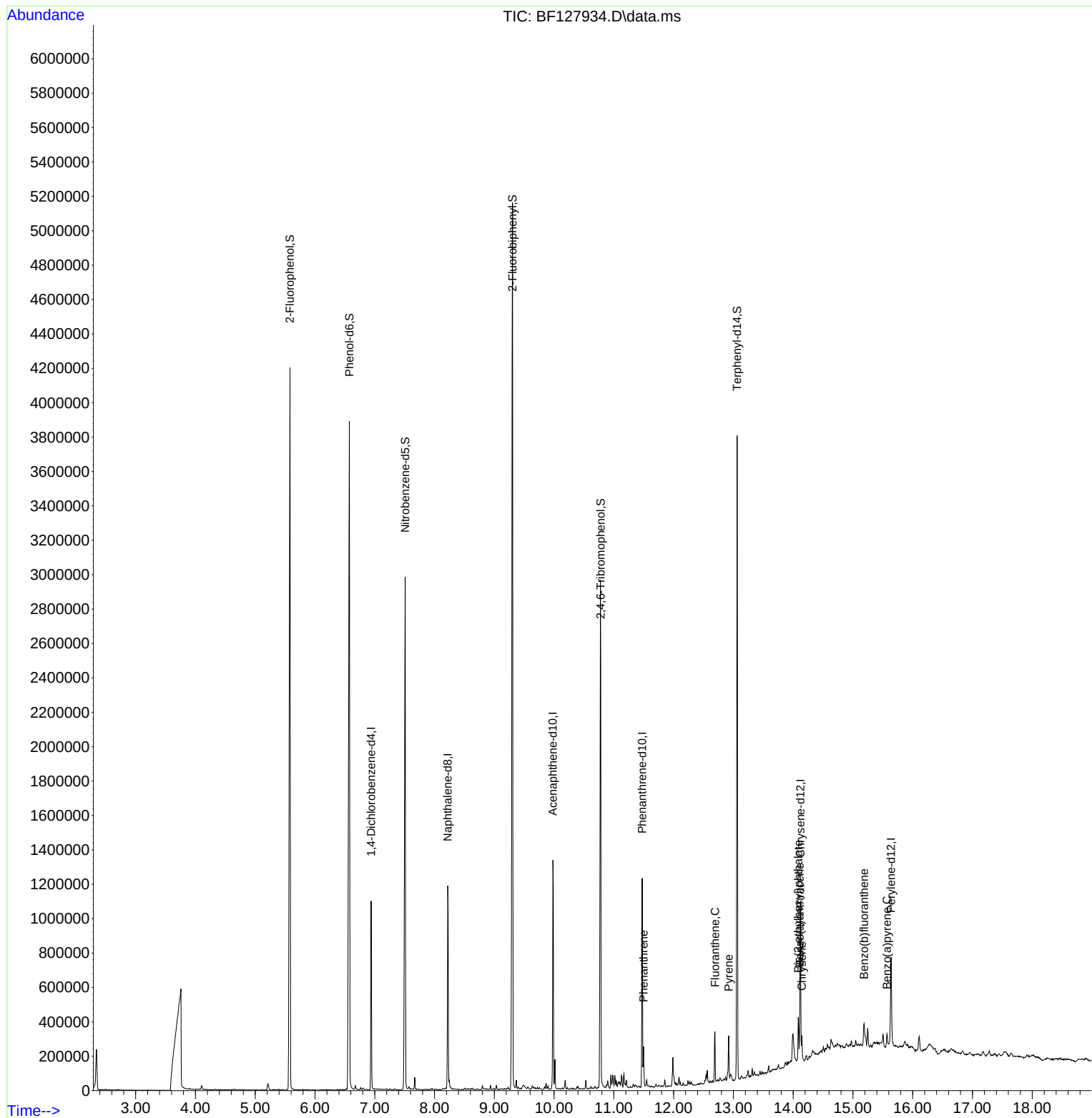
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042622\  
Data File : BF127934.D  
Acq On : 27 Apr 2022 01:30  
Operator : CG\JU  
Sample : N2554-01  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

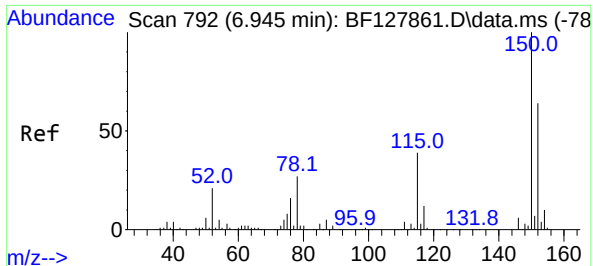
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Apr 27 03:21:16 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Apr 24 00:43:03 2022  
Response via : Initial Calibration

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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.939 min Scan# 792  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

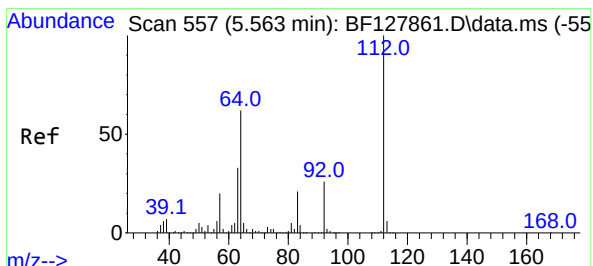
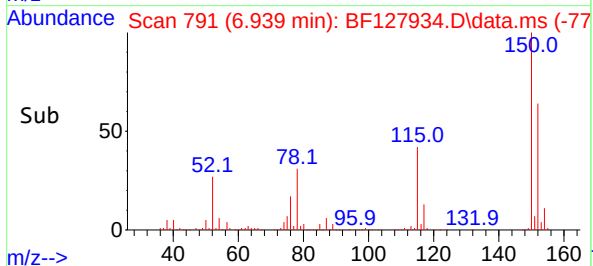
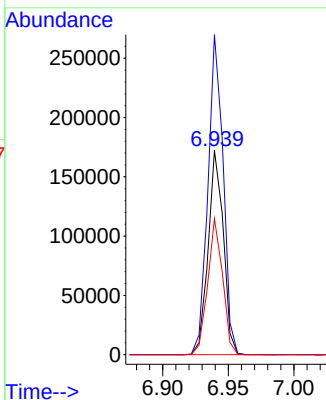
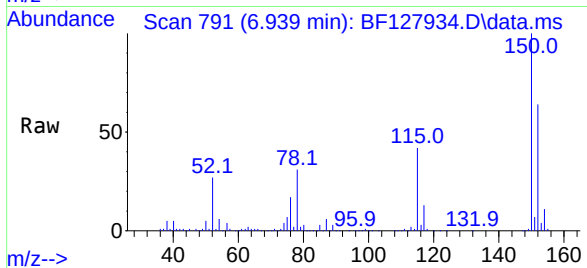
ClientSampleId :

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Tgt Ion:152 Resp: 138907  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.3 187.9  
115 66.6 48.8 73.2

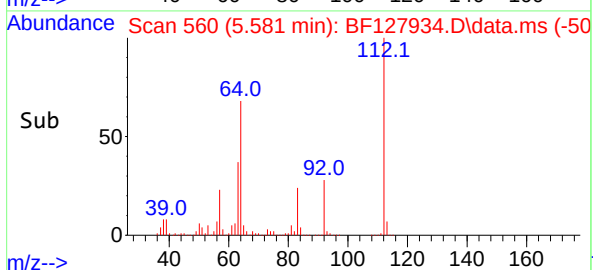
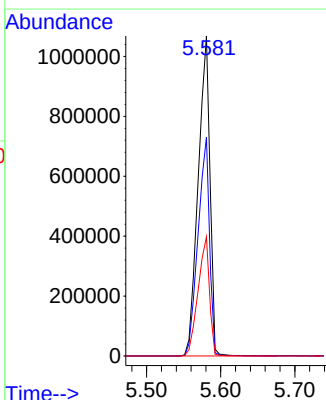
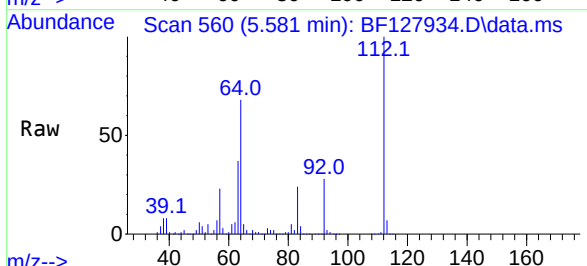
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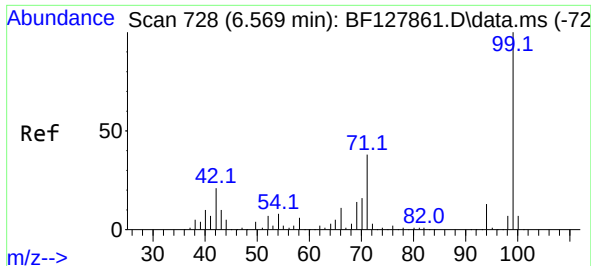
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#5  
2-Fluorophenol  
Concen: 135.582 ng  
RT: 5.581 min Scan# 560  
Delta R.T. 0.018 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

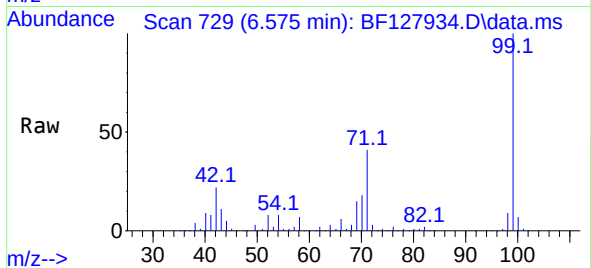
Tgt Ion:112 Resp: 1182412  
Ion Ratio Lower Upper  
112 100  
64 68.4 49.5 74.3  
63 37.2 26.3 39.5





#7  
Phenol-d6  
Concen: 136.389 ng  
RT: 6.575 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

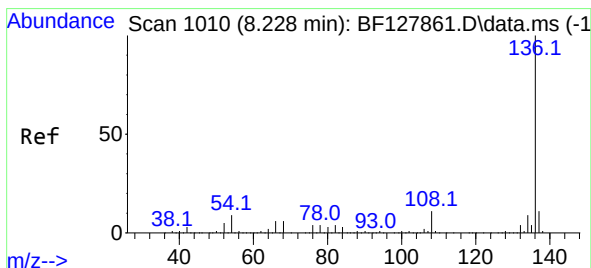
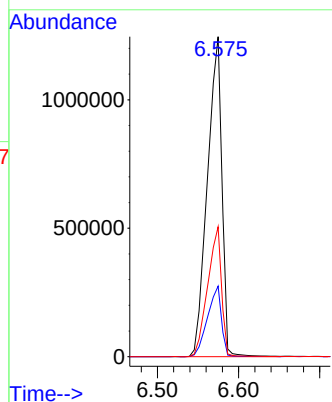
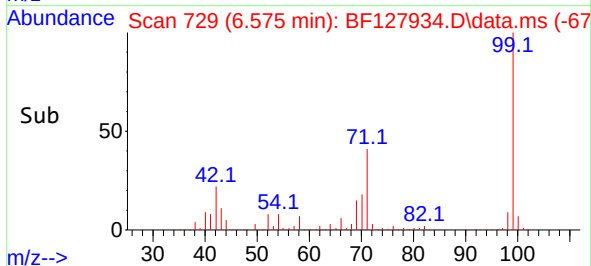
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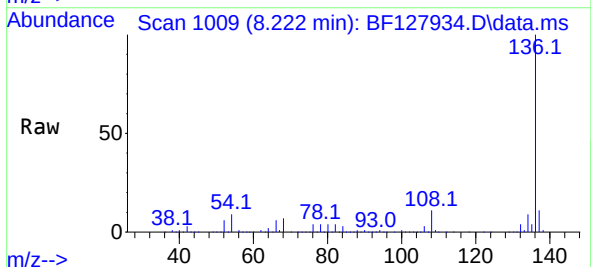
Tgt Ion: 99 Resp: 1543398  
Ion Ratio Lower Upper  
99 100  
42 22.1 16.6 24.8  
71 40.6 30.0 45.0

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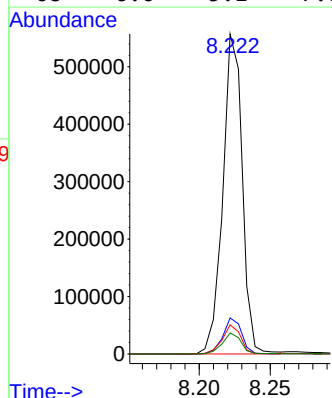
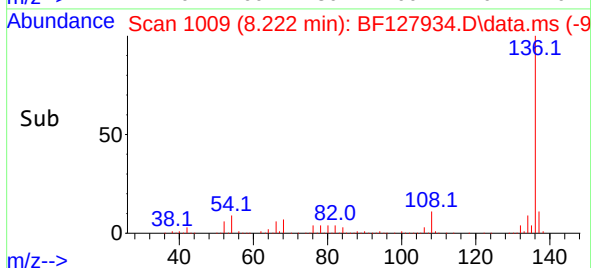
Reviewed By :Christian Giraldo 04/27/2022  
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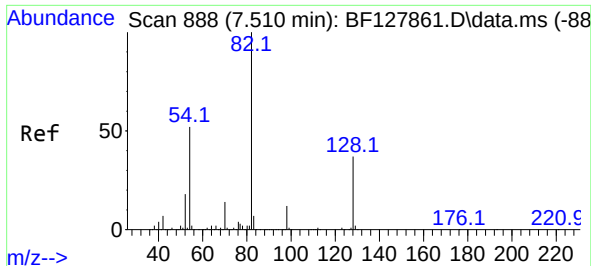


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.222 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30



Tgt Ion:136 Resp: 528839  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.6 13.0  
54 9.1 6.8 10.2  
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 101.803 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.000 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

RBR-2520253

Tgt Ion: 82 Resp: 1144889

Ion Ratio Lower Upper

82 100

128 38.9 30.0 45.0

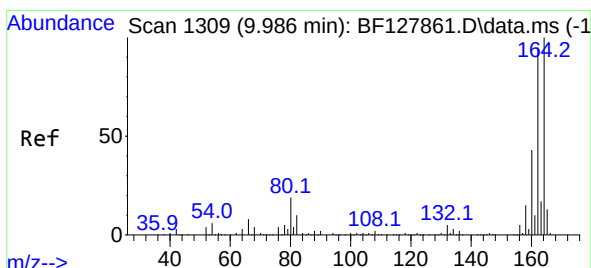
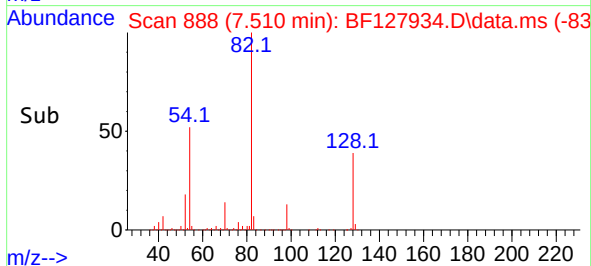
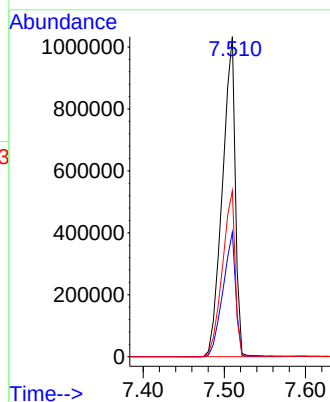
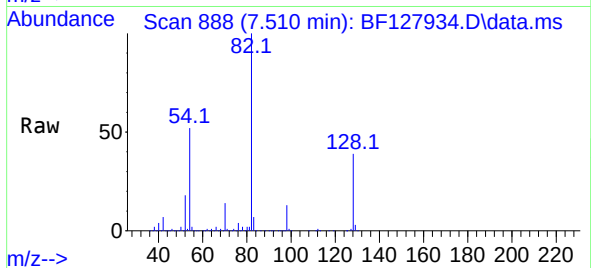
54 51.9 41.3 61.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/27/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.980 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

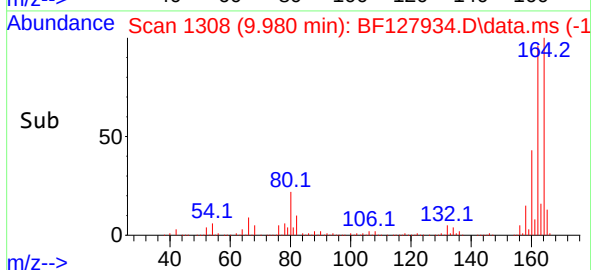
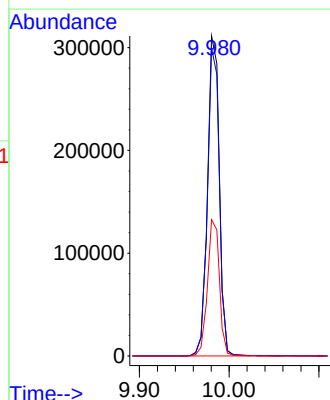
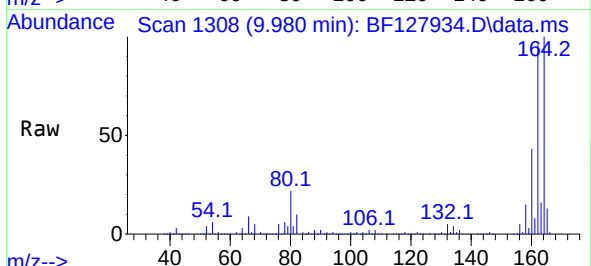
Tgt Ion:164 Resp: 284577

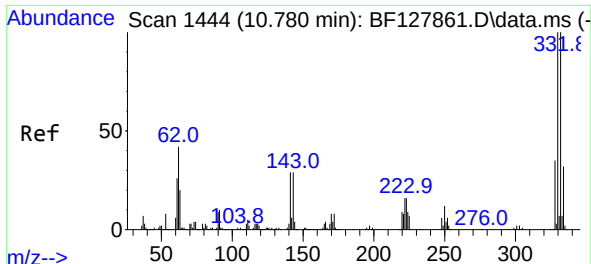
Ion Ratio Lower Upper

164 100

162 96.2 76.0 114.0

160 42.6 34.8 52.2





#42  
2,4,6-Tribromophenol  
Concen: 126.162 ng  
RT: 10.780 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

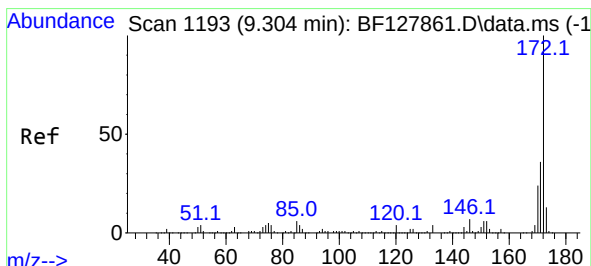
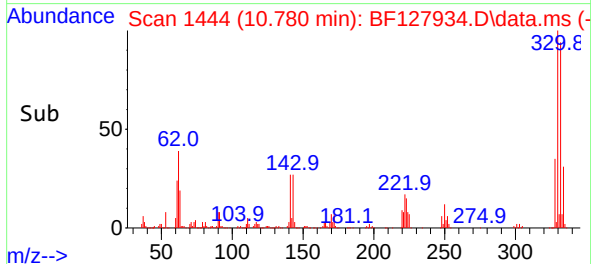
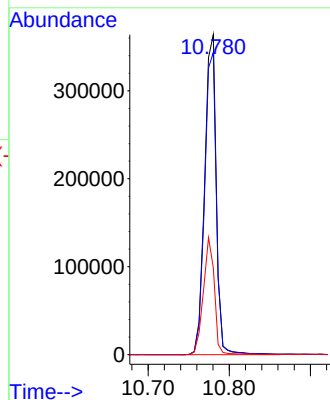
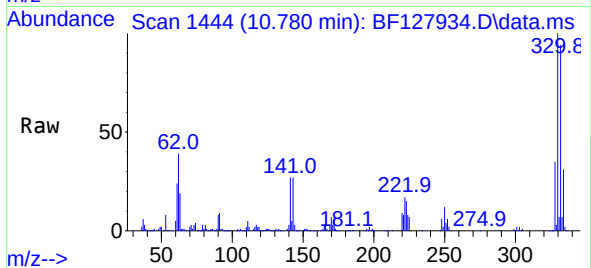
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Tgt Ion:330 Resp: 36142  
Ion Ratio Lower Upper  
330 100  
332 95.7 79.0 118.4  
141 35.0 28.9 43.3

Manual Integrations

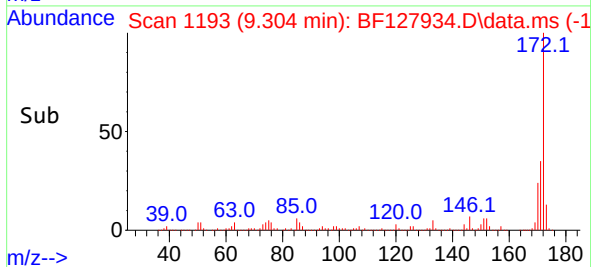
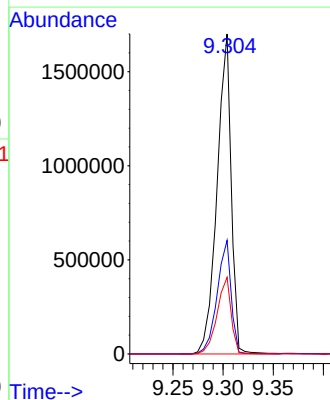
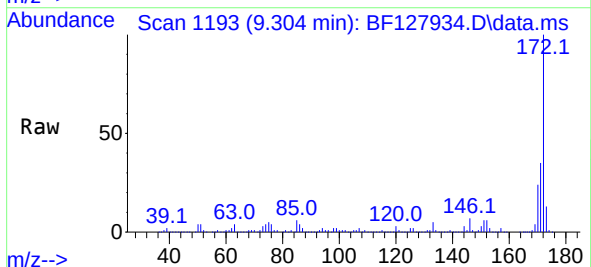
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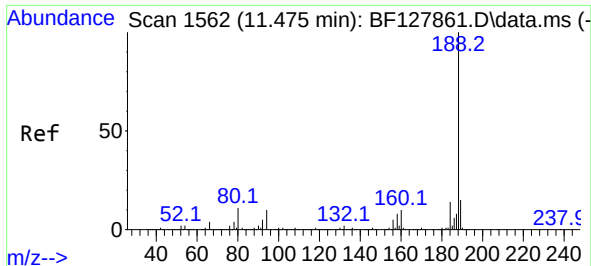
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#45  
2-Fluorobiphenyl  
Concen: 99.193 ng  
RT: 9.304 min Scan# 1193  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Tgt Ion:172 Resp: 1668572  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 42.8  
170 24.0 19.1 28.7





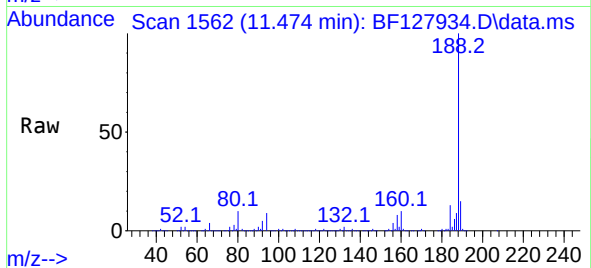
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Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.474 min Scan# 1562  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

RBR-2520253

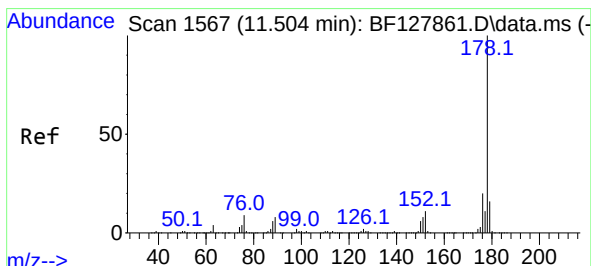
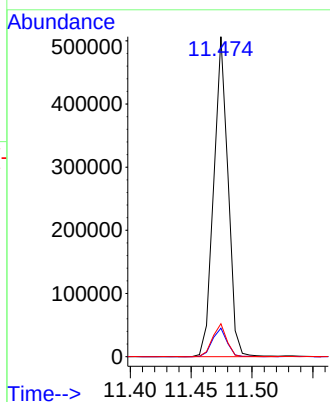
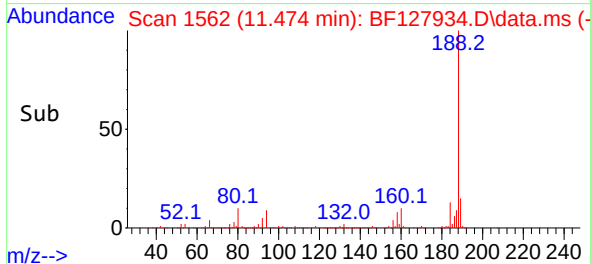


Tgt Ion:188 Resp: 414920  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.0 12.0  
80 10.3 8.9 13.3

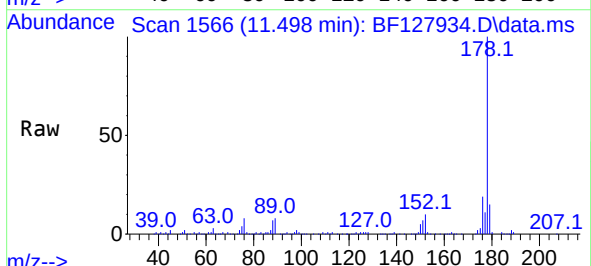
Manual Integrations

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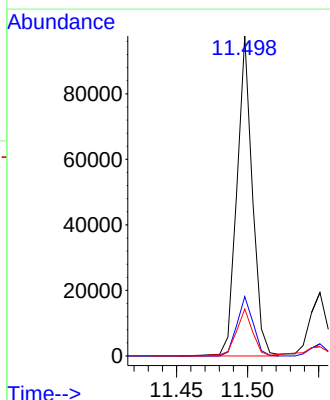
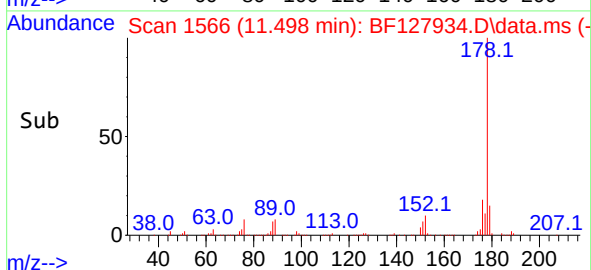
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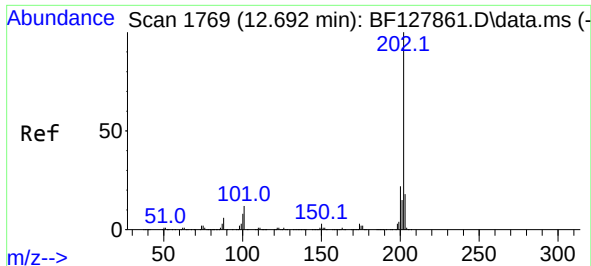


#71  
Phenanthrene  
Concen: 3.406 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30



Tgt Ion:178 Resp: 73975  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.7 23.5  
179 14.7 12.6 19.0





#75  
Fluoranthene  
Concen: 5.141 ng  
RT: 12.692 min Scan# 117514  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

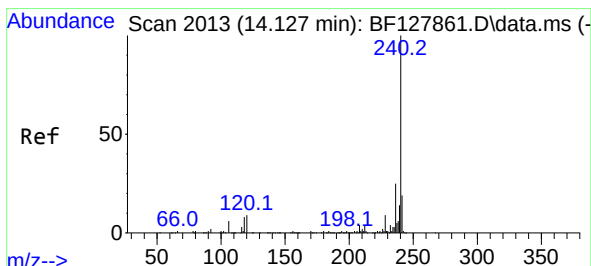
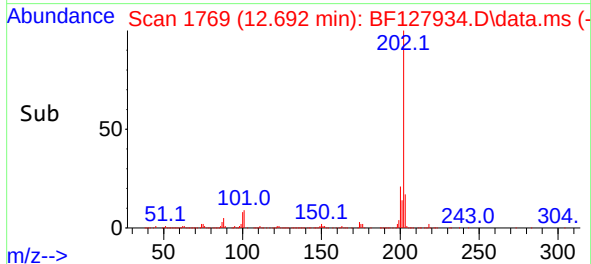
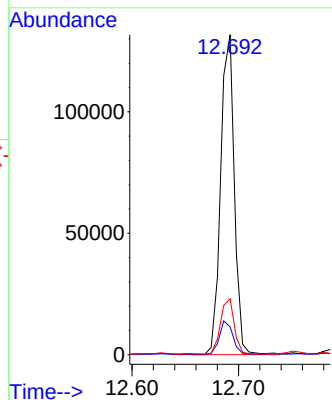
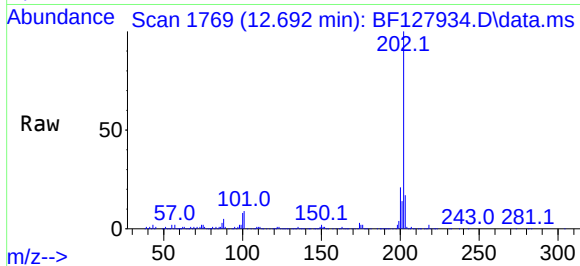
RBR-2520253

Tgt Ion:202 Resp: 117514  
Ion Ratio Lower Upper  
202 100  
101 8.7 0.0 31.6  
203 17.4 0.0 38.1

Manual Integrations

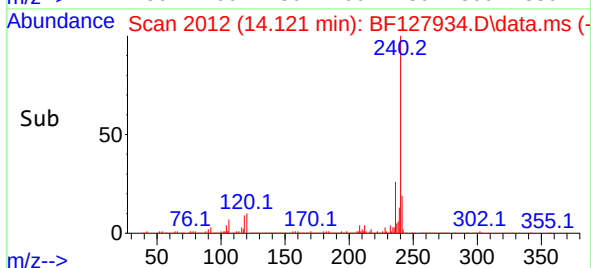
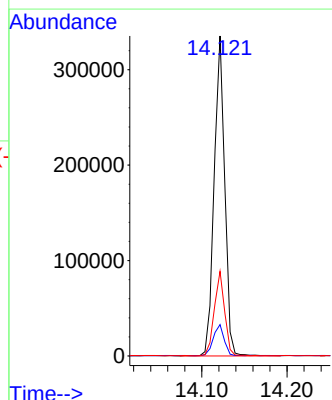
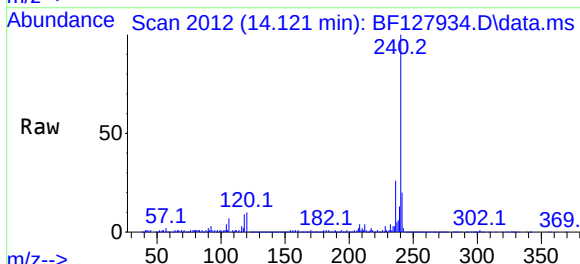
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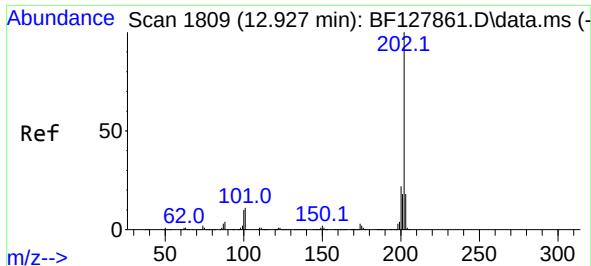


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.121 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Tgt Ion:240 Resp: 289584  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.0 10.6  
236 26.5 20.3 30.5







#78  
Pyrene  
Concen: 4.258 ng  
RT: 12.921 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

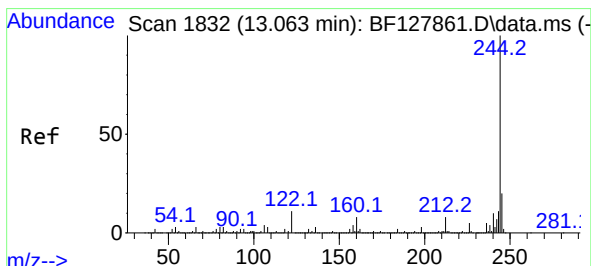
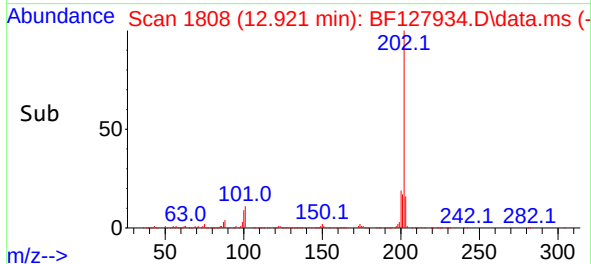
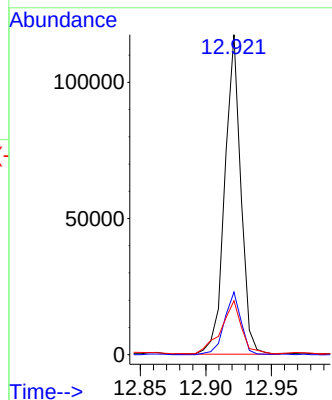
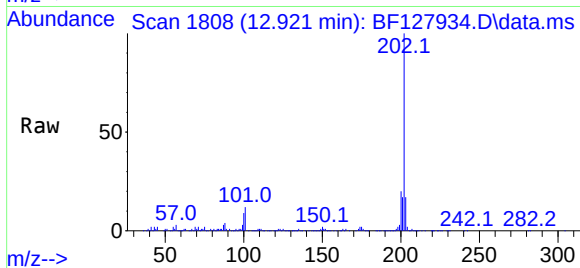
RBR-2520253

Tgt Ion:202 Resp: 9954  
Ion Ratio Lower Upper  
202 100  
200 19.5 17.4 26.2  
203 16.8 14.0 21.0

Manual Integrations

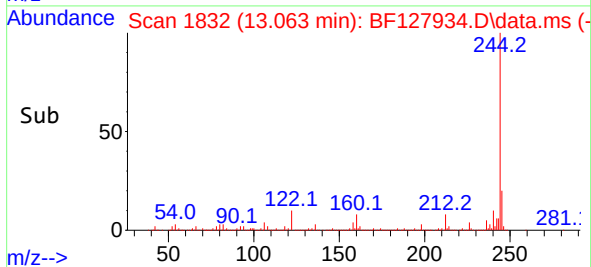
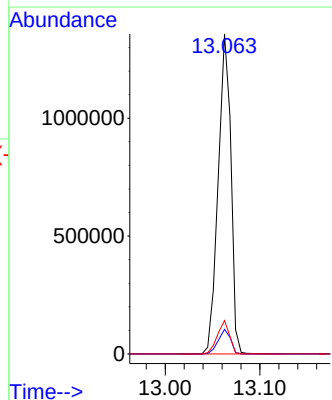
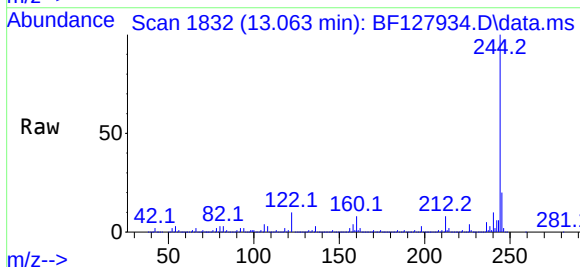
APPROVED

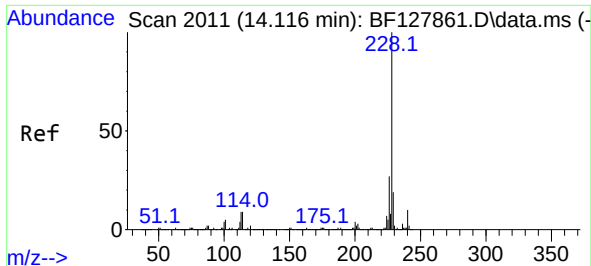
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#79  
Terphenyl-d14  
Concen: 80.266 ng  
RT: 13.063 min Scan# 1832  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Tgt Ion:244 Resp: 1271151  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.2 9.4  
122 10.5 8.6 12.8





#81  
Benzo(a)anthracene  
Concen: 2.740 ng  
RT: 14.110 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

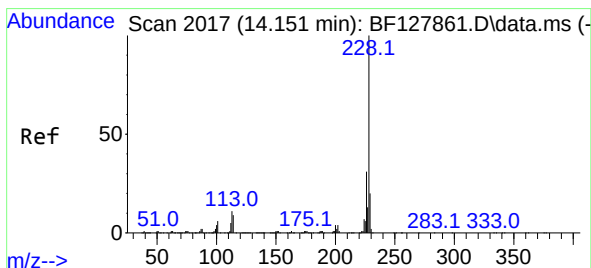
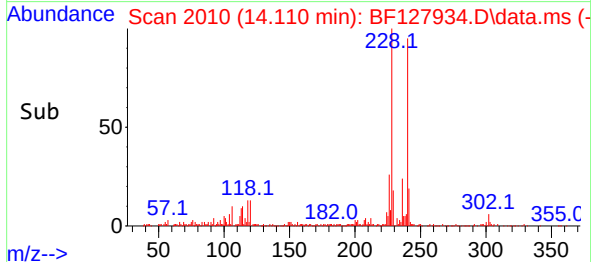
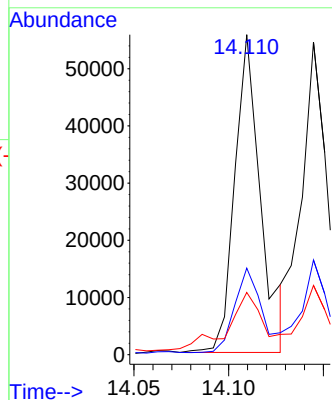
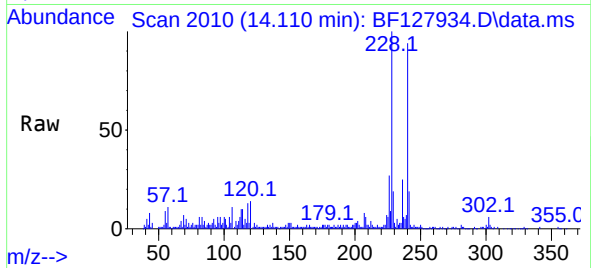
RBR-2520253

Tgt Ion:228 Resp: 52880  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.7 32.5  
229 19.5 15.4 23.2

Manual Integrations

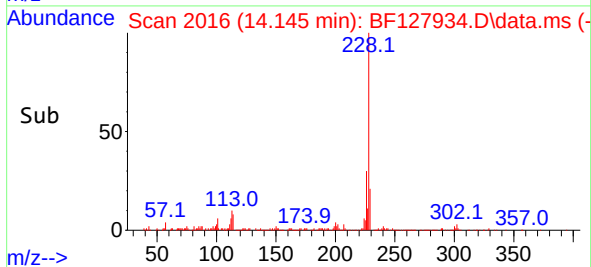
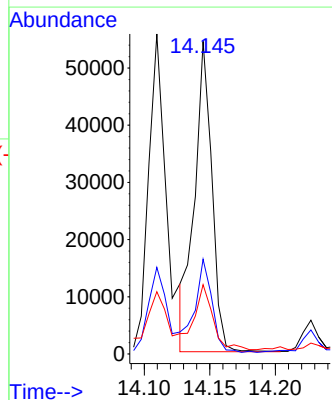
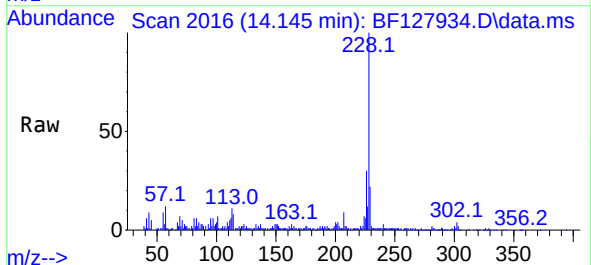
APPROVED

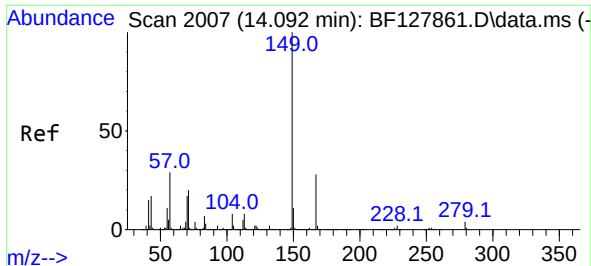
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#83  
Chrysene  
Concen: 2.716 ng  
RT: 14.145 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Tgt Ion:228 Resp: 50071  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.4 36.6  
229 22.2 15.8 23.8





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 5.153 ng  
RT: 14.086 min Scan# 2007  
Delta R.T. -0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

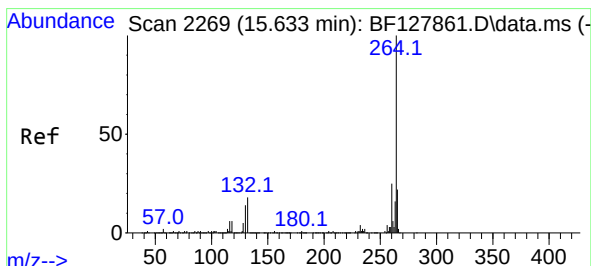
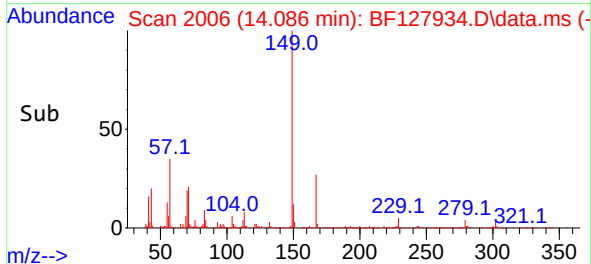
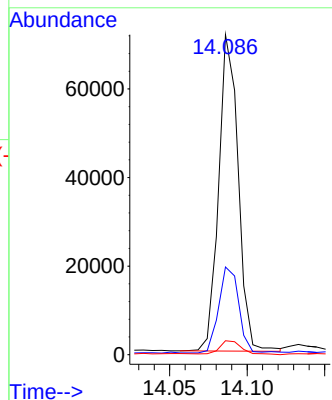
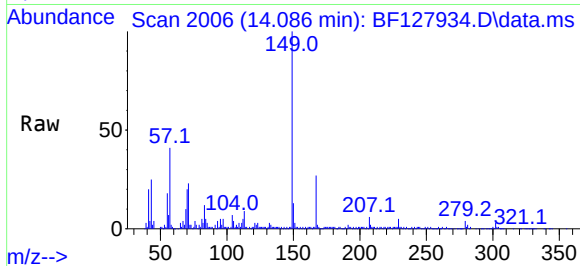
RBR-2520253

Tgt Ion:149 Resp: 6261  
Ion Ratio Lower Upper  
149 100  
167 27.4 22.0 33.0  
279 4.3 3.4 5.0

Manual Integrations

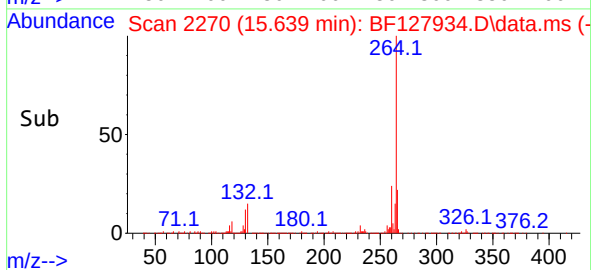
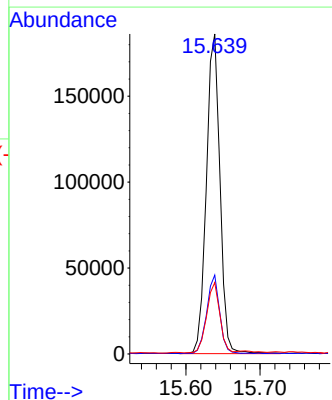
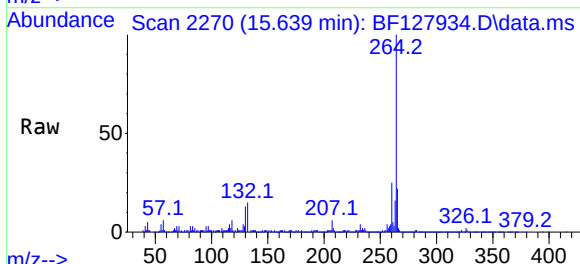
APPROVED

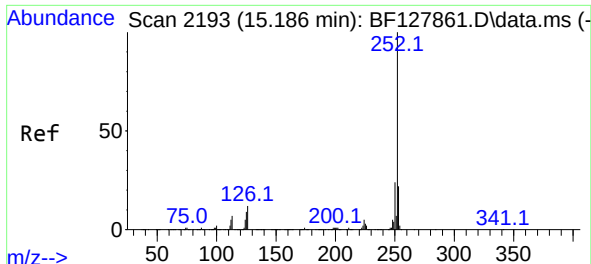
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.639 min Scan# 2270  
Delta R.T. 0.006 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Tgt Ion:264 Resp: 236767  
Ion Ratio Lower Upper  
264 100  
260 24.7 20.1 30.1  
265 22.3 17.5 26.3





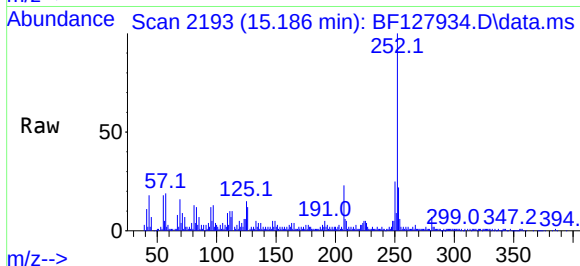
#88  
Benzo(b)fluoranthene  
Concen: 4.337 ng m  
RT: 15.186 min Scan# 2193  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Instrument :

BNA\_F

ClientSampleId :

RBR-2520253

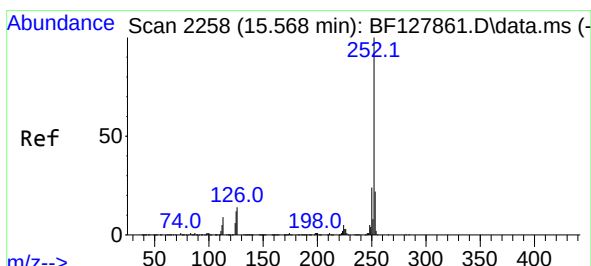
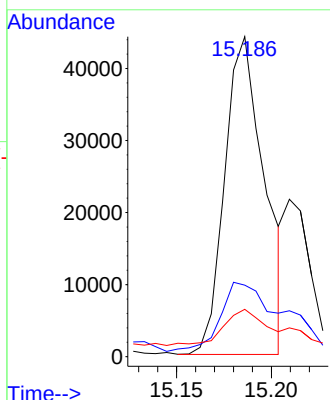
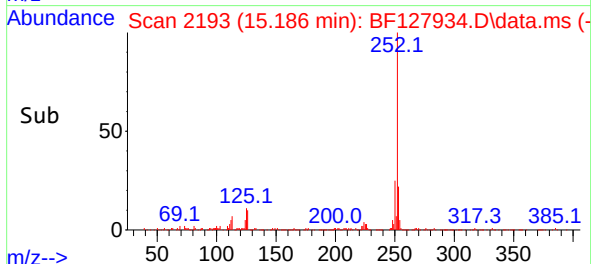


Tgt Ion:252 Resp: 64492  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.2  
125 14.8 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#90  
Benzo(a)pyrene  
Concen: 3.293 ng  
RT: 15.568 min Scan# 2258  
Delta R.T. -0.000 min  
Lab File: BF127934.D  
Acq: 27 Apr 2022 01:30

Tgt Ion:252 Resp: 40616  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.8 26.6  
125 13.3 9.2 13.8

