

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081922\  
 Data File : BF129930.D  
 Acq On : 20 Aug 2022 02:23  
 Operator : CG\JU  
 Sample : N4213-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-209

Quant Time: Aug 20 07:59:07 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 20 07:47:33 2022  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Christian Giraldo 08/22/2022  
 Supervised By :Jagrut Upadhyay 08/22/2022

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.787  | 152  | 143756   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.069  | 136  | 583850   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.822  | 164  | 306450   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.310 | 188  | 501934   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.957 | 240  | 273001   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.415 | 264  | 275136   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.422  | 112  | 883876   | 101.800 | ng    | 0.00     |
| 7) Phenol-d6                | 6.440  | 99   | 1129510  | 103.883 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.351  | 82   | 694417   | 63.669  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.616 | 330  | 297918   | 96.862  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.139  | 172  | 1142145  | 56.606  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.898 | 244  | 995695   | 60.687  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.333 | 178  | 78965    | 2.817   | ng    | 98       |
| 75) Fluoranthene            | 12.527 | 202  | 131738   | 4.592   | ng    | 99       |
| 78) Pyrene                  | 12.757 | 202  | 103882   | 4.379   | ng    | 100      |
| 81) Benzo(a)anthracene      | 13.951 | 228  | 40521    | 2.158   | ng    | 96       |
| 83) Chrysene                | 13.986 | 228  | 42230    | 2.402   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 14.998 | 252  | 55492m   | 2.945   | ng    |          |
| 90) Benzo(a)pyrene          | 15.357 | 252  | 35903    | 2.420   | ng    | # 97     |
| -----                       |        |      |          |         |       |          |

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

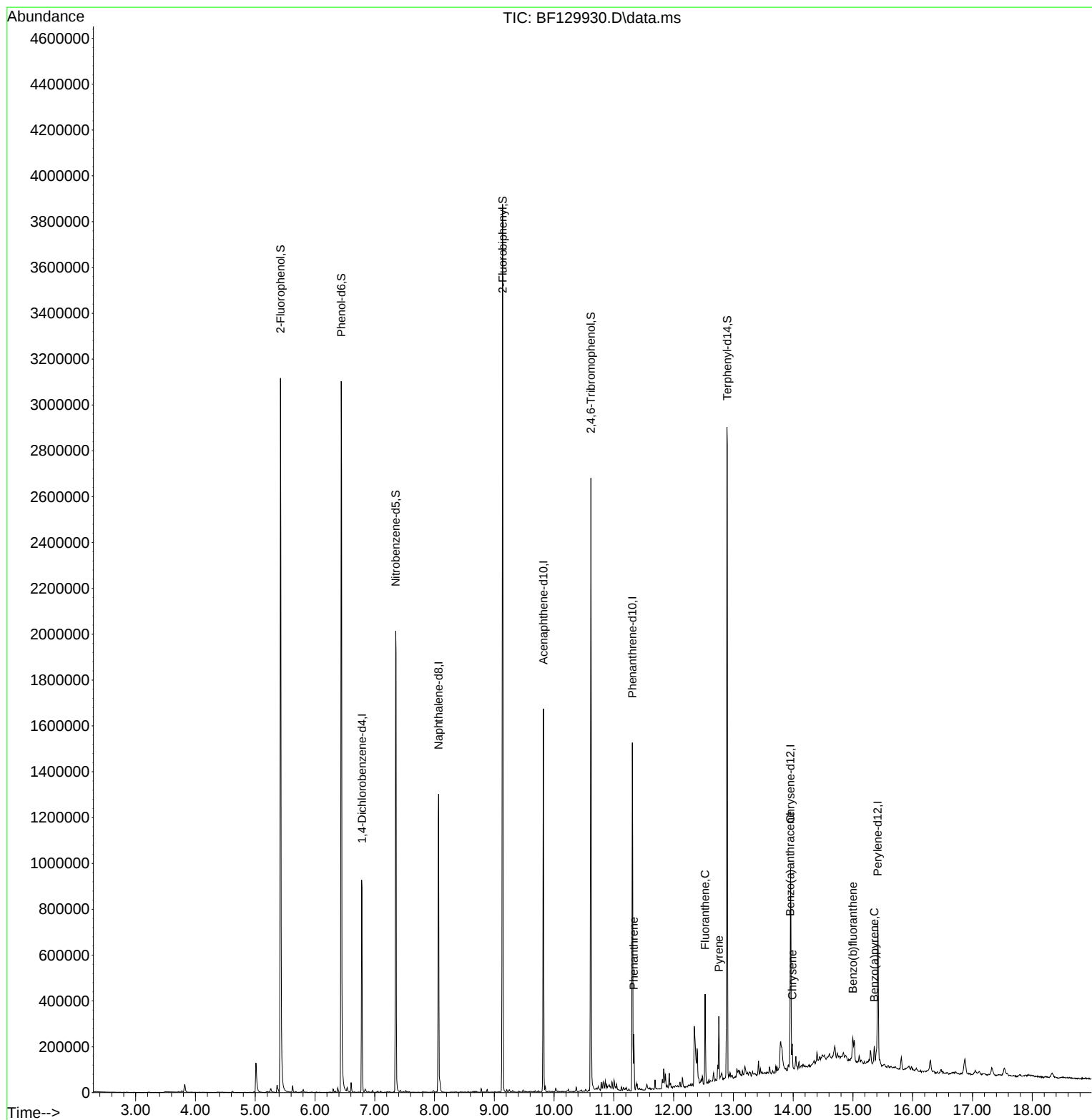
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081922\  
Data File : BF129930.D  
Acq On : 20 Aug 2022 02:23  
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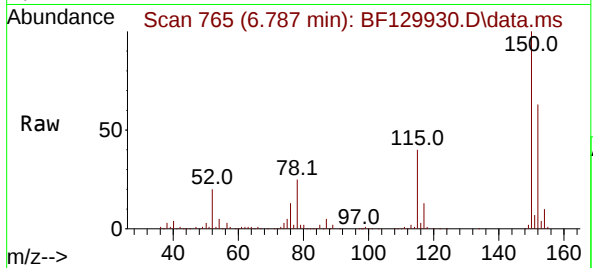
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 20 07:47:33 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

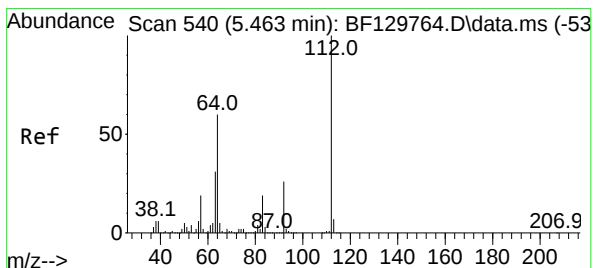
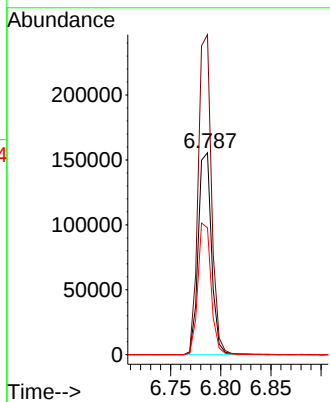
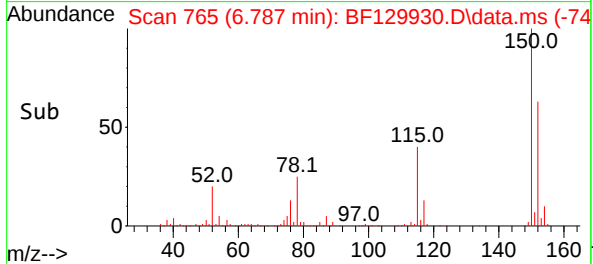
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209



Tgt Ion:152 Resp: 143750  
Ion Ratio Lower Upper  
152 100  
150 158.4 126.9 190.3  
115 62.8 53.4 80.0

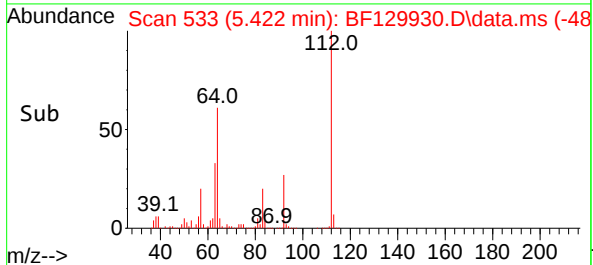
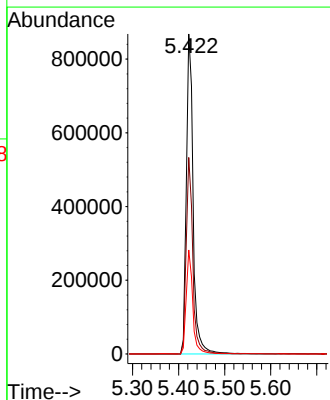
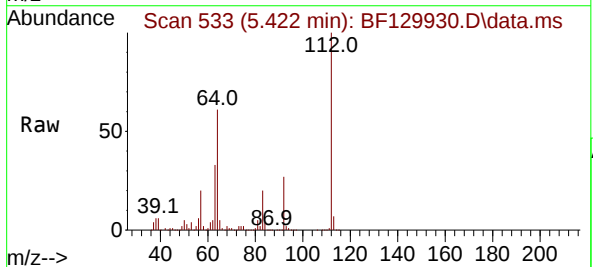
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#5  
2-Fluorophenol  
Concen: 101.800 ng  
RT: 5.422 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

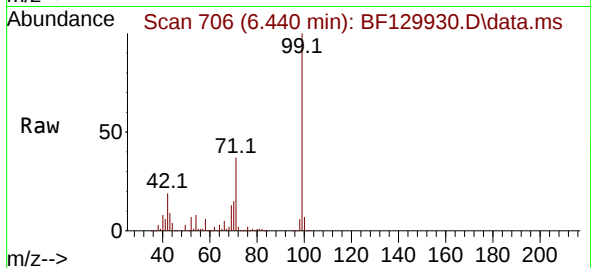
Tgt Ion:112 Resp: 883876  
Ion Ratio Lower Upper  
112 100  
64 61.4 47.6 71.4  
63 32.5 24.6 37.0





#7  
Phenol-d6  
Concen: 103.883 ng  
RT: 6.440 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

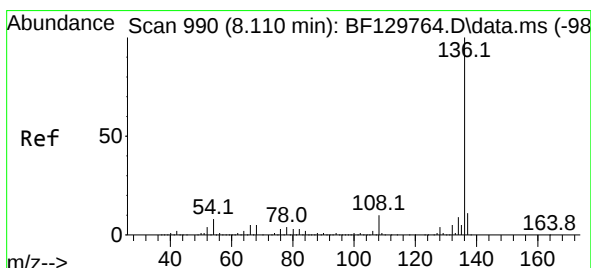
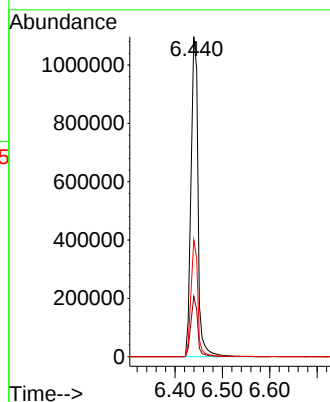
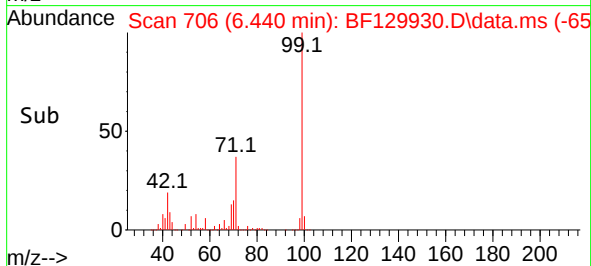
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209



Tgt Ion: 99 Resp: 1129510  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.0 22.4  
71 36.5 28.8 43.2

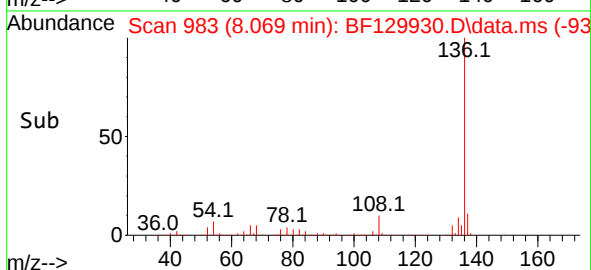
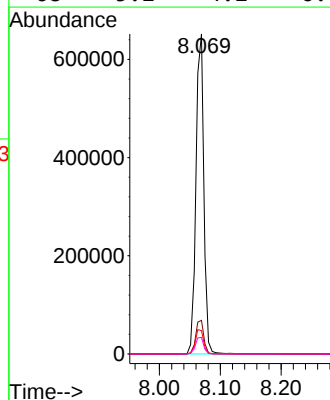
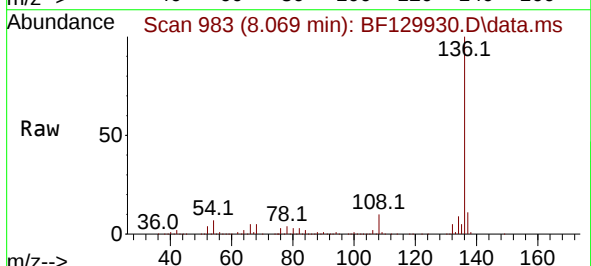
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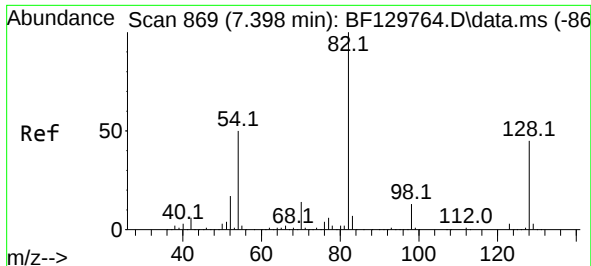
Reviewed By :Christian Giraldo 08/22/2022  
Supervised By :Jagrut Upadhyay 08/22/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

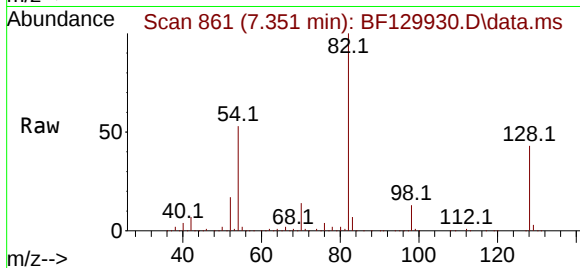
Tgt Ion:136 Resp: 583850  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.4 12.6  
54 7.3 6.2 9.2  
68 5.2 4.2 6.4





#23  
Nitrobenzene-d5  
Concen: 63.669 ng  
RT: 7.351 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

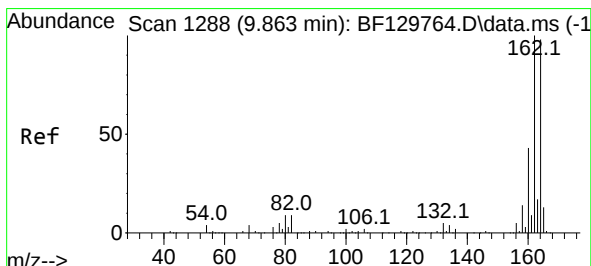
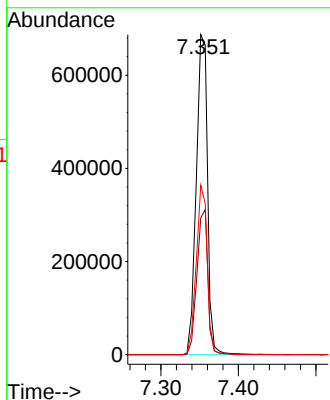
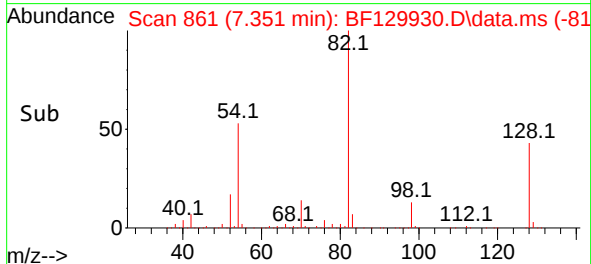
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 82 Resp: 69441  
Ion Ratio Lower Upper  
82 100  
128 42.8 36.1 54.1  
54 53.0 40.0 60.0

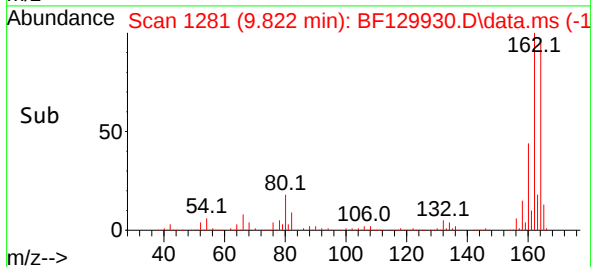
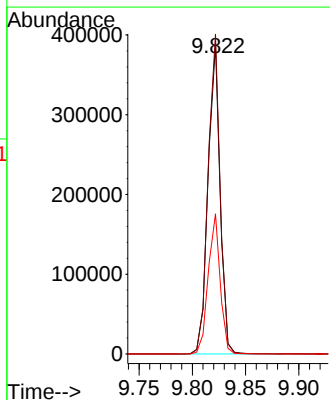
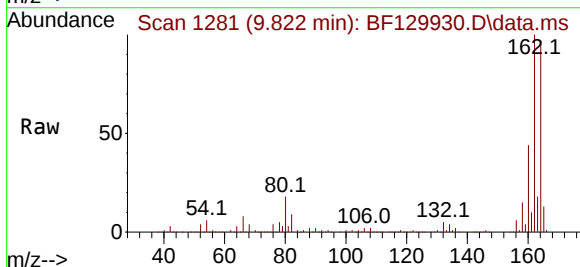
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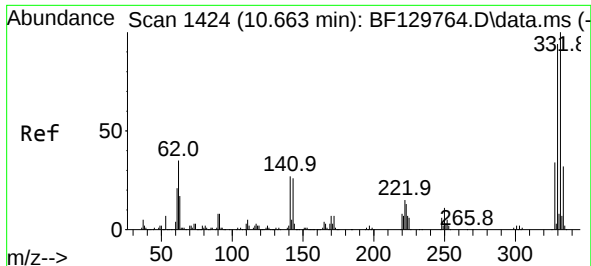
Reviewed By :Christian Giraldo 08/22/2022  
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

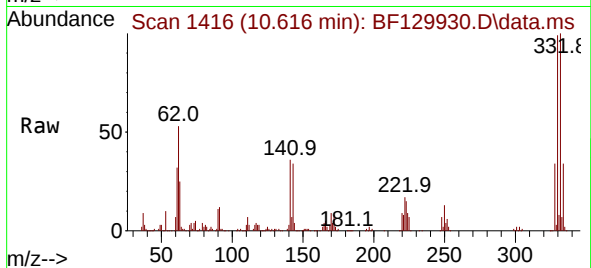
Tgt Ion:164 Resp: 306450  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.0 123.0  
160 45.3 35.4 53.0





#42  
2,4,6-Tribromophenol  
Concen: 96.862 ng  
RT: 10.616 min Scan# 1416  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

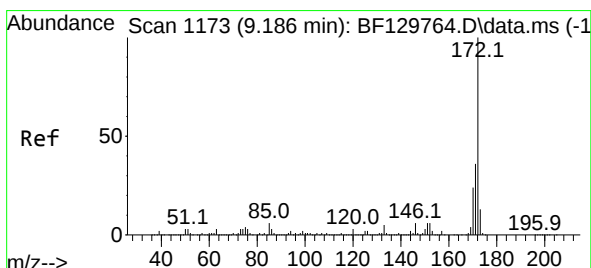
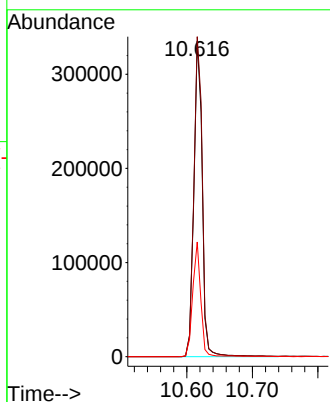
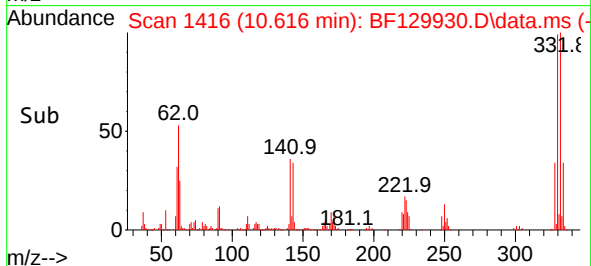
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209



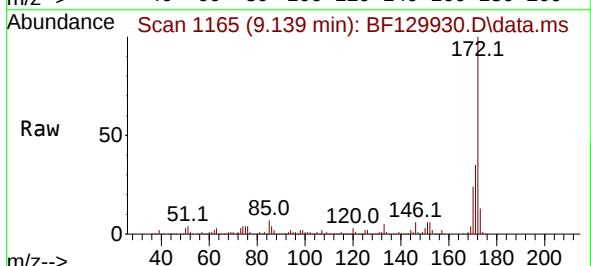
Tgt Ion: 330 Resp: 297918  
Ion Ratio Lower Upper  
330 100  
332 103.0 82.6 124.0  
141 34.9 27.6 41.4

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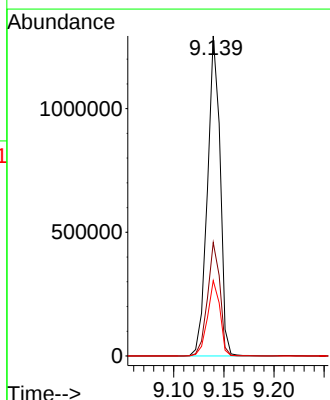
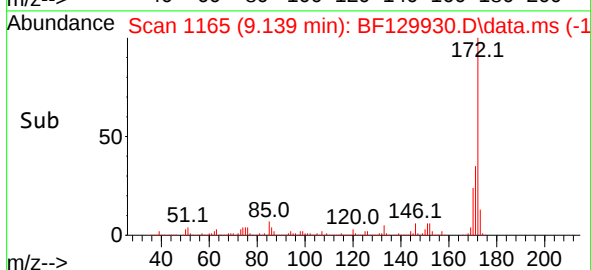
Reviewed By : Christian Giraldo 08/22/2022  
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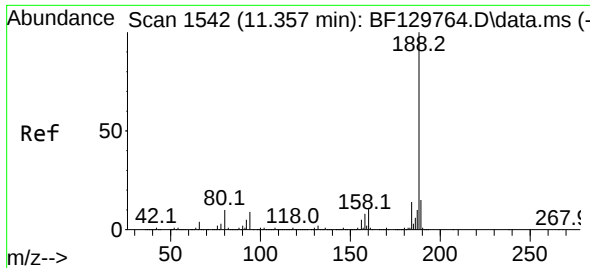


#45  
2-Fluorobiphenyl  
Concen: 56.606 ng  
RT: 9.139 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23



Tgt Ion: 172 Resp: 1142145  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.6 19.1 28.7





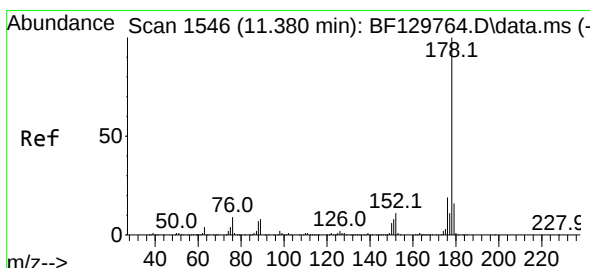
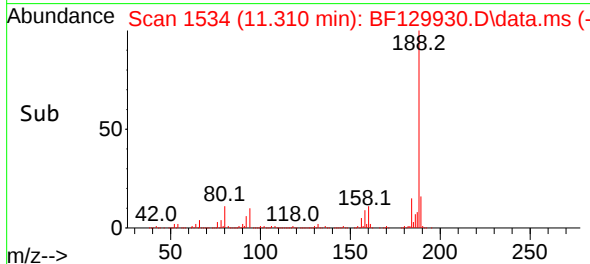
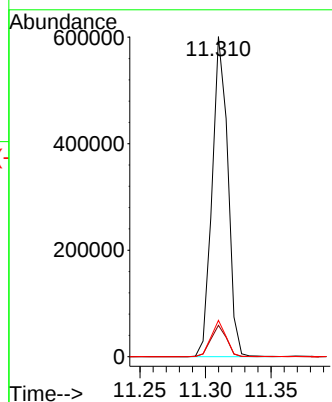
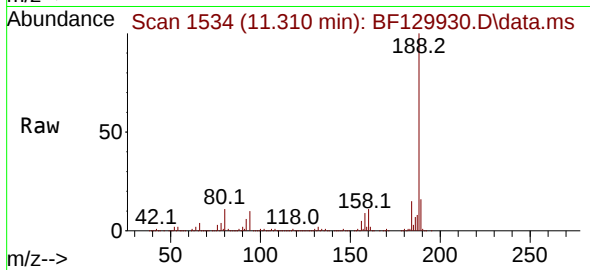
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209

Tgt Ion:188 Resp: 501934  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.4 11.2  
80 11.4 7.9 11.9

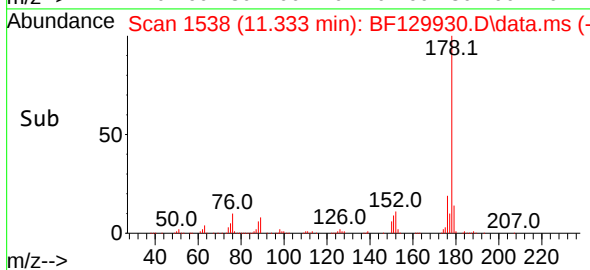
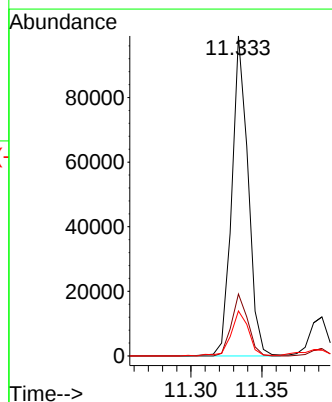
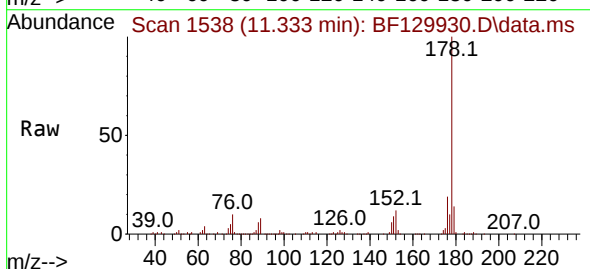
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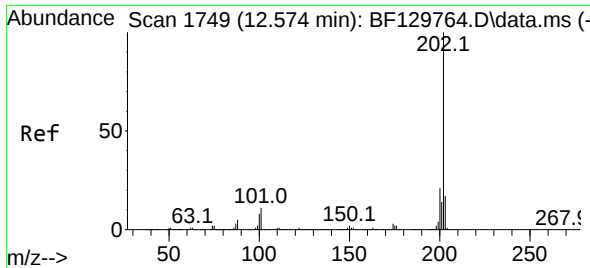
Reviewed By :Christian Giraldo 08/22/2022  
Supervised By :Jagrut Upadhyay 08/22/2022



#71  
Phenanthrene  
Concen: 2.817 ng  
RT: 11.333 min Scan# 1538  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

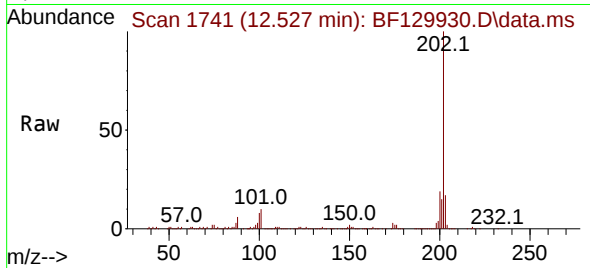
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Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 14.1 12.5 18.7





#75  
Fluoranthene  
Concen: 4.592 ng  
RT: 12.527 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

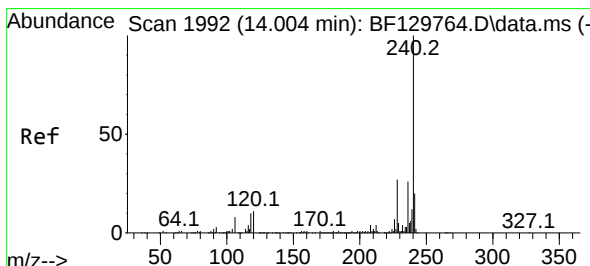
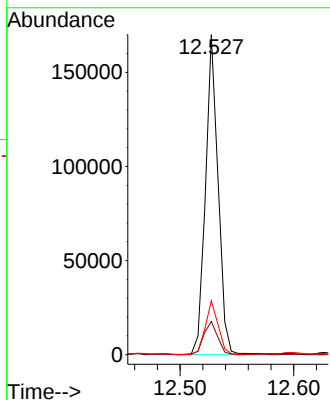
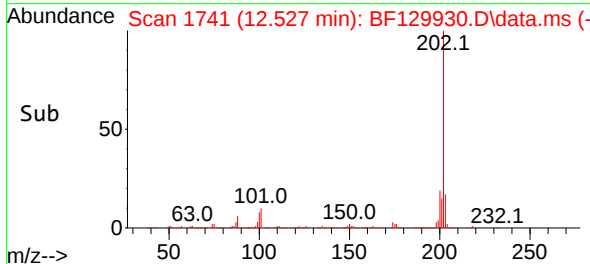
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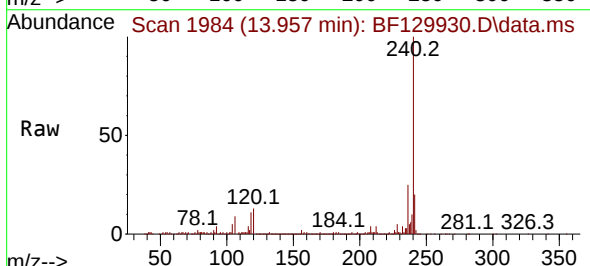
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203 16.8 0.0 37.5

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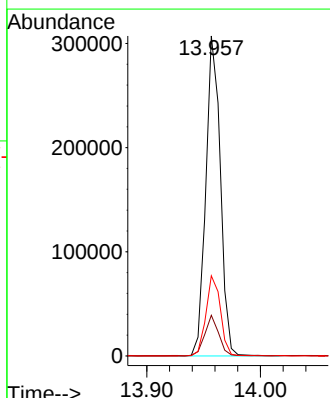
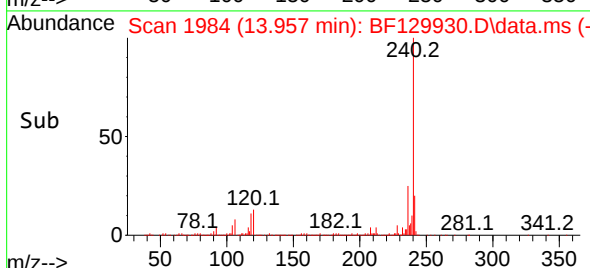
Reviewed By :Christian Giraldo 08/22/2022  
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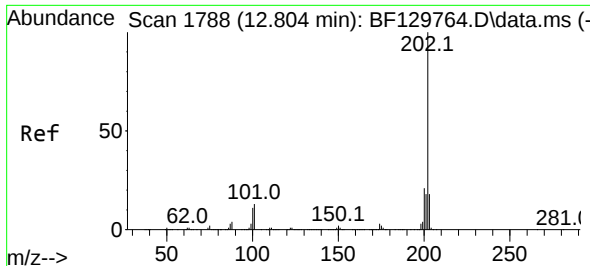


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.957 min Scan# 1984  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23



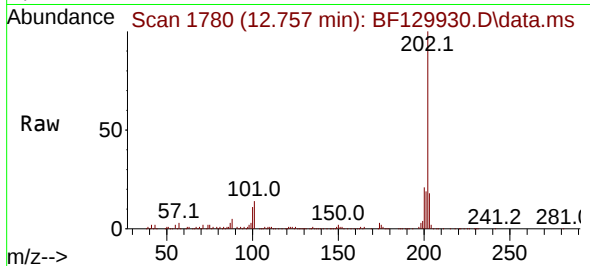
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Ion Ratio Lower Upper  
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120 12.7 9.2 13.8  
236 25.0 20.7 31.1





#78  
Pyrene  
Concen: 4.379 ng  
RT: 12.757 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

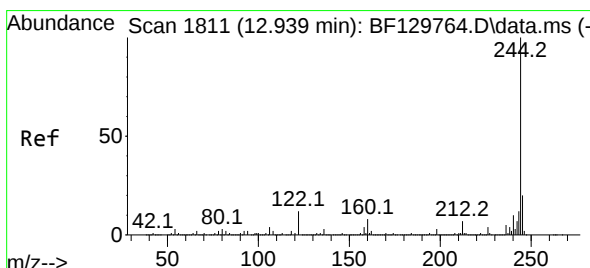
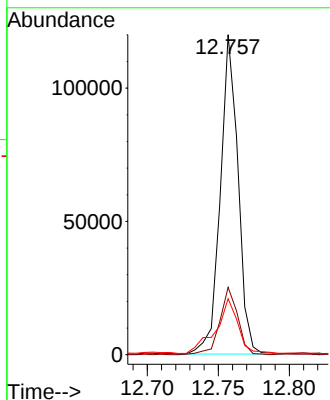
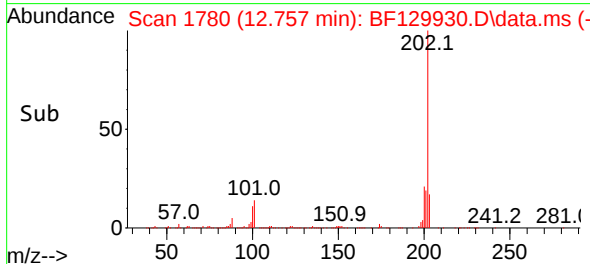
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209



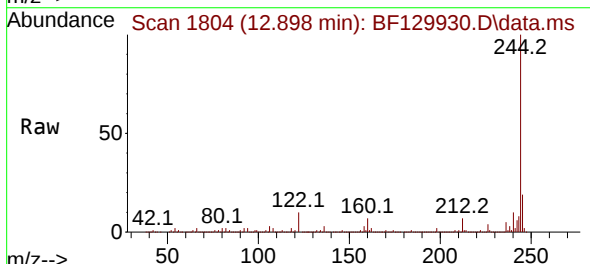
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203 17.5 14.1 21.1

Manual Integrations  
APPROVED

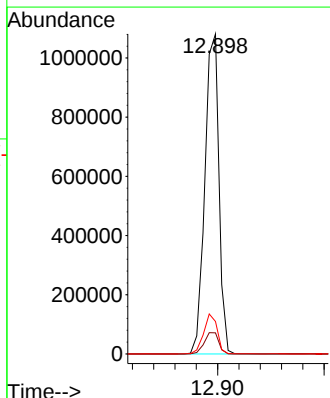
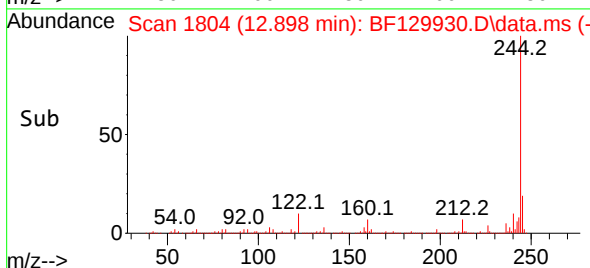
Reviewed By :Christian Giraldo 08/22/2022  
Supervised By :Jagrut Upadhyay 08/22/2022

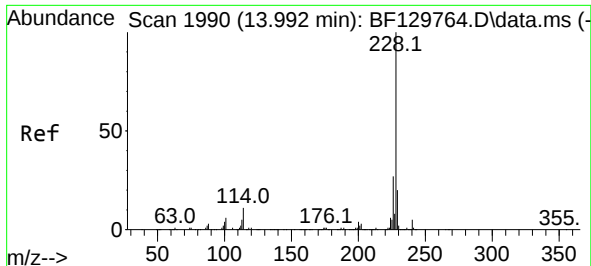


#79  
Terphenyl-d14  
Concen: 60.687 ng  
RT: 12.898 min Scan# 1804  
Delta R.T. 0.000 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23



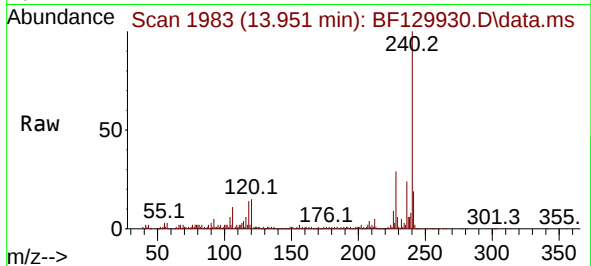
Tgt Ion:244 Resp: 995695  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.9 8.9  
122 10.2 9.9 14.9





#81  
Benzo(a)anthracene  
Concen: 2.158 ng  
RT: 13.951 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

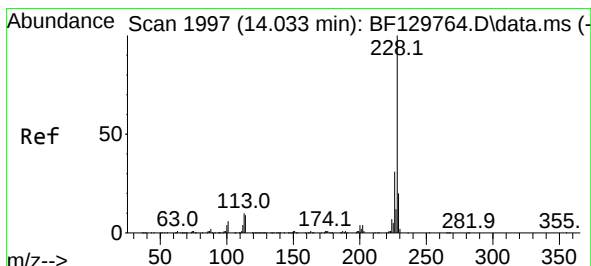
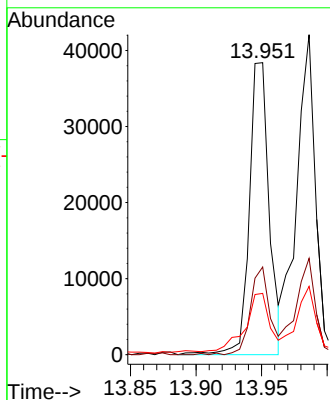
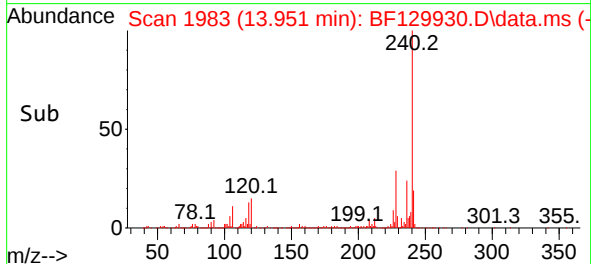
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209



Tgt Ion:228 Resp: 4052  
Ion Ratio Lower Upper  
228 100  
226 30.0 21.4 32.0  
229 21.0 16.1 24.1

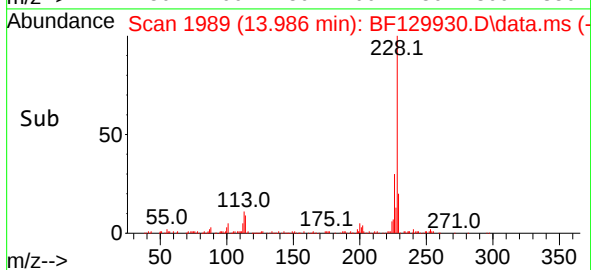
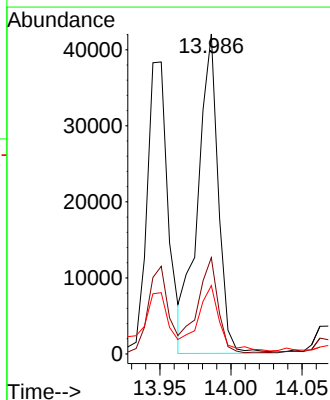
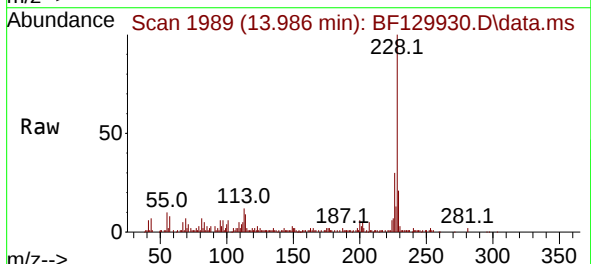
Manual Integrations  
APPROVED

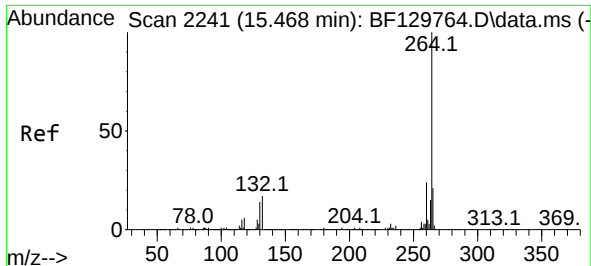
Reviewed By :Christian Giraldo 08/22/2022  
Supervised By :Jagrut Upadhyay 08/22/2022



#83  
Chrysene  
Concen: 2.402 ng  
RT: 13.986 min Scan# 1989  
Delta R.T. -0.006 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

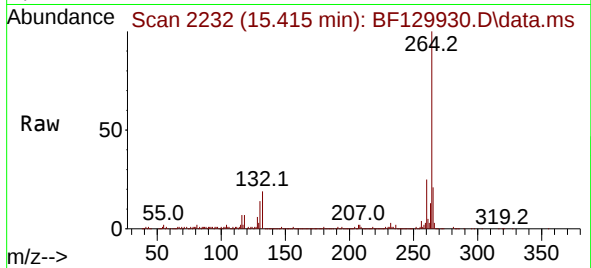
Tgt Ion:228 Resp: 42230  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.4 36.6  
229 21.4 15.9 23.9





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.415 min Scan# 2161  
 Delta R.T. 0.000 min  
 Lab File: BF129930.D  
 Acq: 20 Aug 2022 02:23

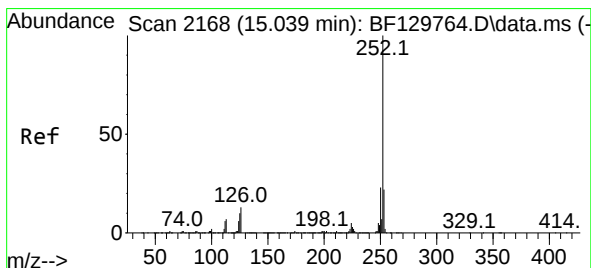
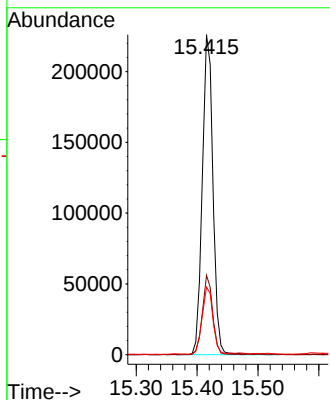
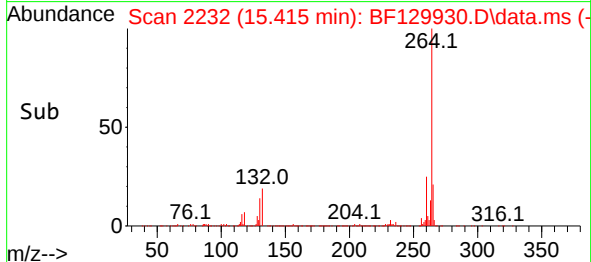
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-209



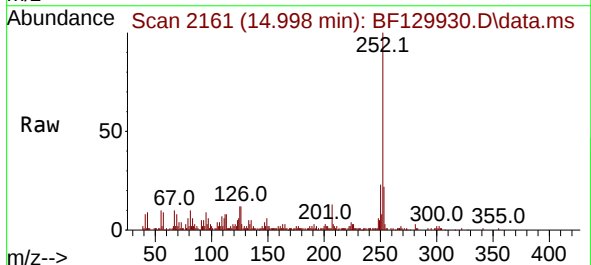
Tgt Ion:264 Resp: 275130  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.1 28.7  
 265 21.1 16.7 25.1

Manual Integrations  
 APPROVED

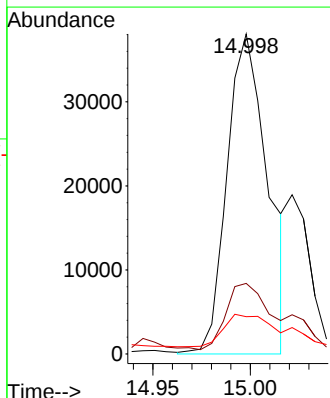
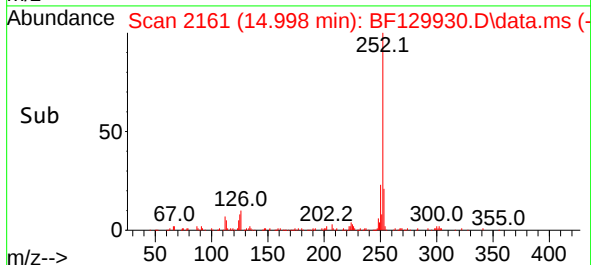
Reviewed By :Christian Giraldo 08/22/2022  
 Supervised By :Jagrut Upadhyay 08/22/2022

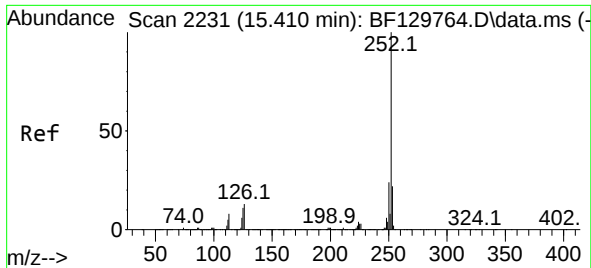


#88  
 Benzo(b)fluoranthene  
 Concen: 2.945 ng m  
 RT: 14.998 min Scan# 2161  
 Delta R.T. 0.000 min  
 Lab File: BF129930.D  
 Acq: 20 Aug 2022 02:23



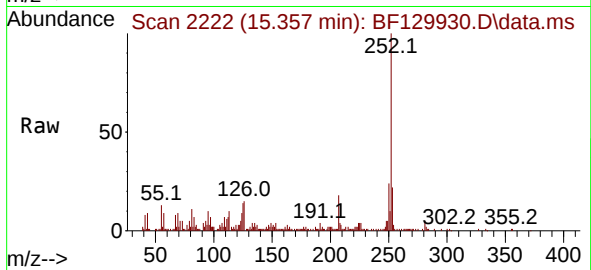
Tgt Ion:252 Resp: 55492  
 Ion Ratio Lower Upper  
 252 100  
 253 22.0 17.5 26.3  
 125 11.7 8.3 12.5





#90  
Benzo(a)pyrene  
Concen: 2.420 ng  
RT: 15.357 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF129930.D  
Acq: 20 Aug 2022 02:23

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-209



Tgt Ion:252 Resp: 3590  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.2 25.8  
125 14.3 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 08/22/2022  
Supervised By :Jagrut Upadhyay 08/22/2022

