

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072821\  
 Data File : BF124841.D  
 Acq On : 28 Jul 2021 22:38  
 Operator : JU/CG  
 Sample : M3198-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-8

Manual Integrations  
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Quant Time: Jul 29 02:12:06 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 6017     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 23675    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.910  | 164  | 12981    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.392 | 188  | 20685    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.033 | 240  | 12941    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 15.509 | 264  | 12722    | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.487  | 112  | 36258    | 102.029 | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 42877    | 96.242  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.433  | 82   | 29546    | 74.277  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 11045    | 99.099  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.227  | 172  | 61675    | 69.783  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.980 | 244  | 47505    | 62.924  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.416 | 178  | 3315     | 2.980   | ng    | 97       |
| 75) Fluoranthene            | 12.604 | 202  | 7315     | 6.443   | ng    | 91       |
| 78) Pyrene                  | 12.833 | 202  | 6422     | 6.268   | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.021 | 228  | 3480     | 4.114   | ng    | 96       |
| 83) Chrysene                | 14.057 | 228  | 3368m    | 4.133   | ng    |          |
| 88) Benzo(b)fluoranthene    | 15.074 | 252  | 4563m    | 5.094   | ng    |          |
| 90) Benzo(a)pyrene          | 15.445 | 252  | 3035     | 4.056   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

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

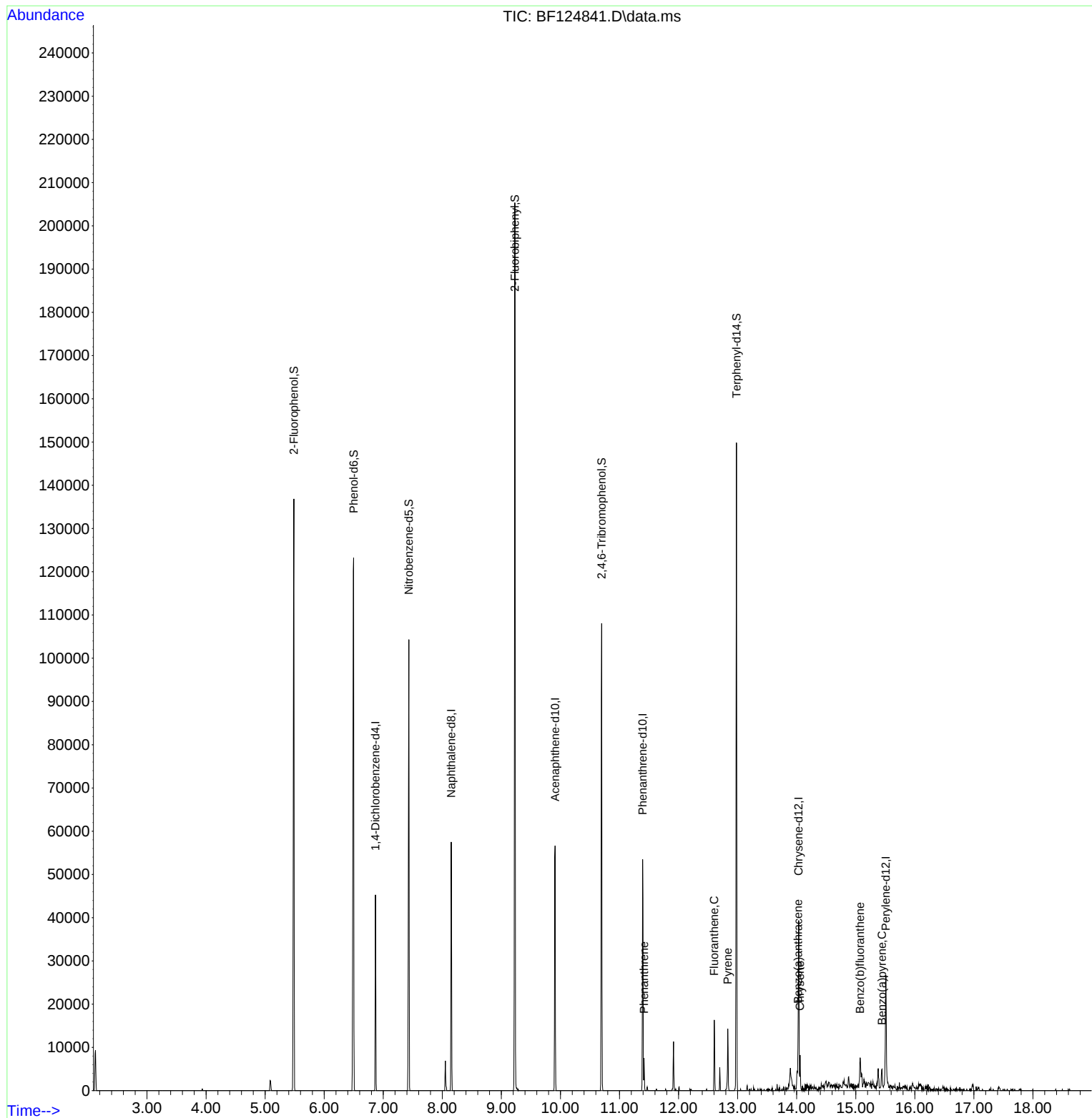
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072821\  
Data File : BF124841.D  
Acq On : 28 Jul 2021 22:38  
Operator : JU/CG  
Sample : M3198-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

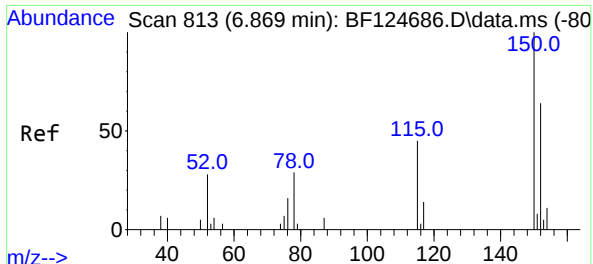
Instrument :  
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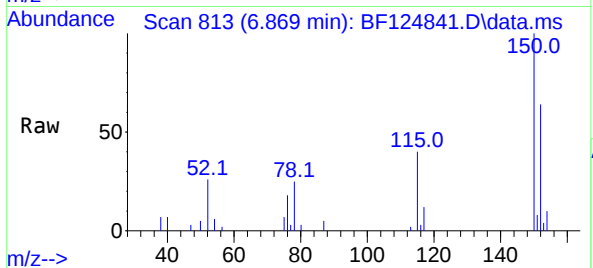
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Quant Time: Jul 29 02:12:06 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 22 15:28:57 2021  
Response via : Initial Calibration

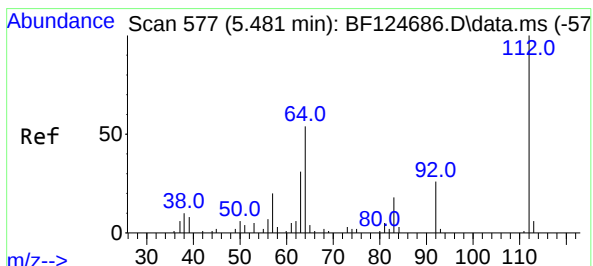
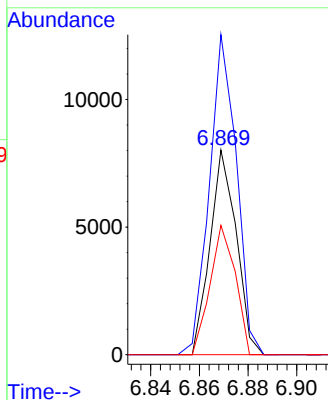
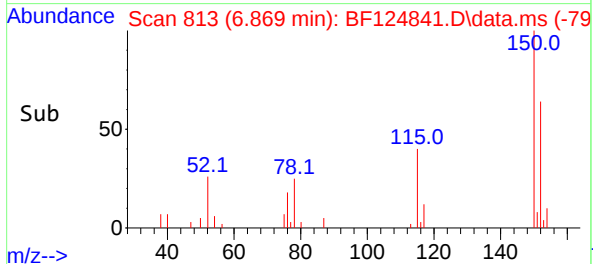




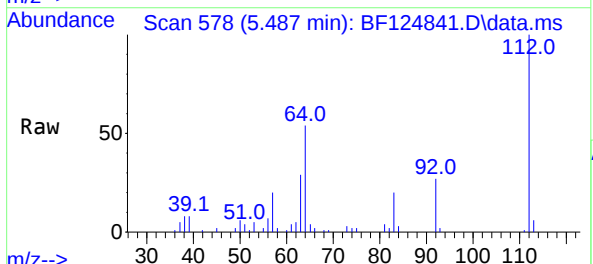
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38



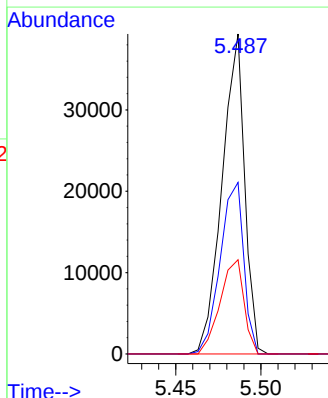
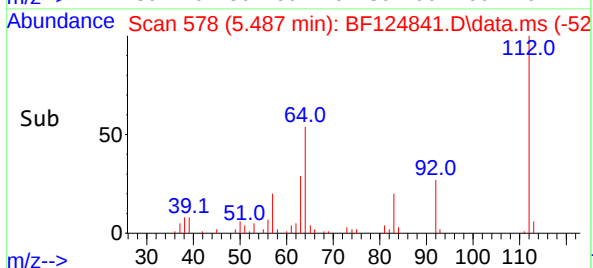
Tgt Ion:152 Resp: 6017  
Ion Ratio Lower Upper  
152 100  
150 156.4 117.6 176.4  
115 63.2 47.1 70.7



#5  
2-Fluorophenol  
Concen: 102.029 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38



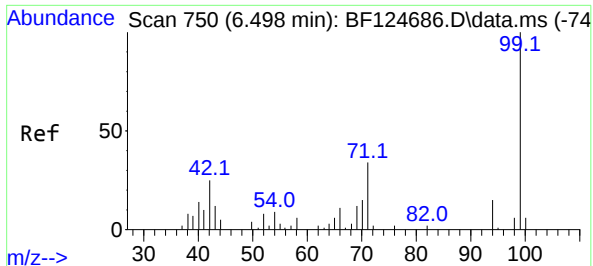
Tgt Ion:112 Resp: 36258  
Ion Ratio Lower Upper  
112 100  
64 53.6 44.2 66.2  
63 29.5 26.2 39.2



Instrument :  
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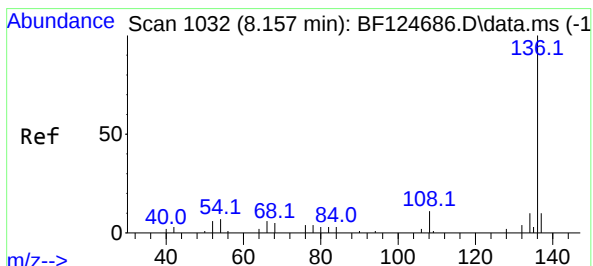
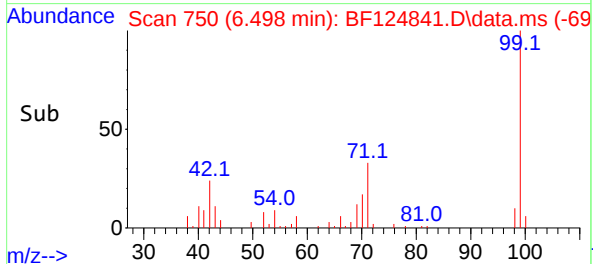
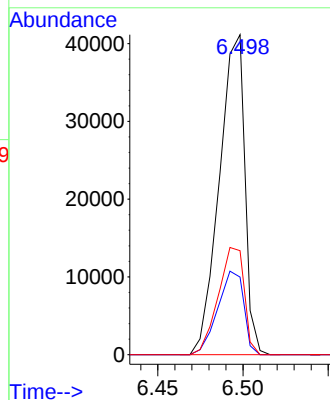
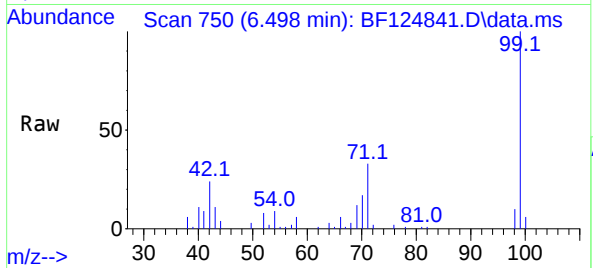
#7  
Phenol-d6  
Concen: 96.242 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.000 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 42877 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 24.3  | 23.5  | 35.3  |
| 71       | 32.5  | 25.6  | 38.4  |

Instrument :  
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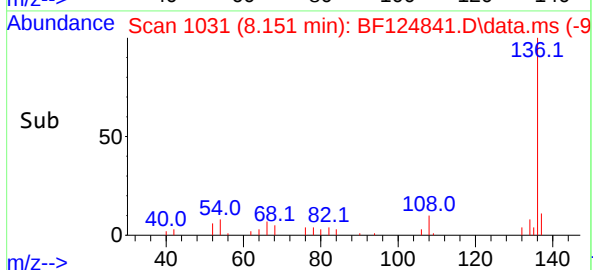
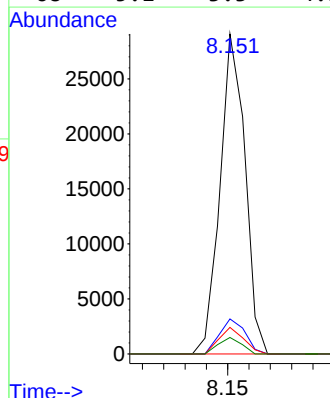
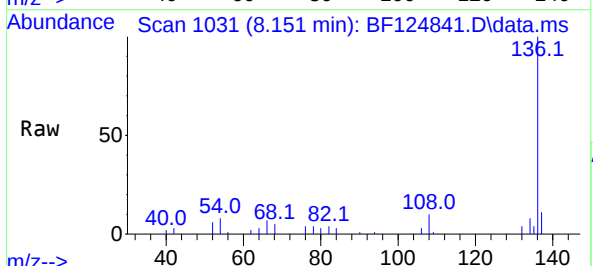
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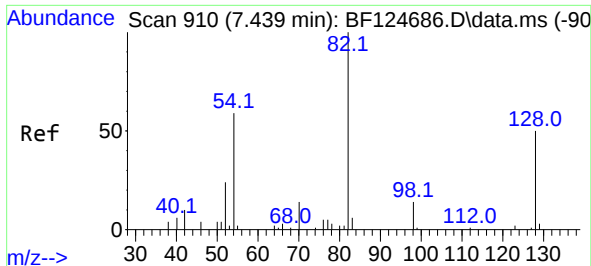
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#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 23675 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 10.9  | 9.8   | 14.6  |
| 54       | 8.3   | 6.4   | 9.6   |
| 68       | 5.1   | 3.3   | 4.9   |





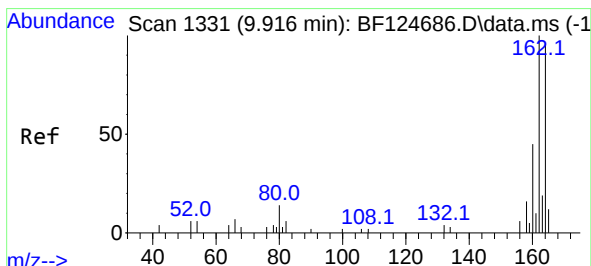
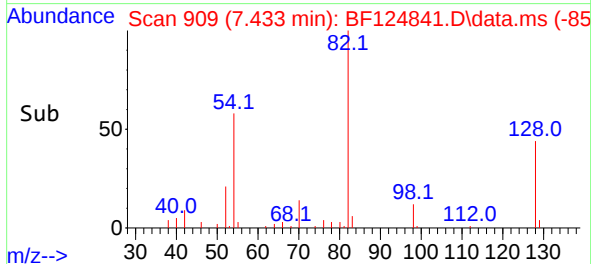
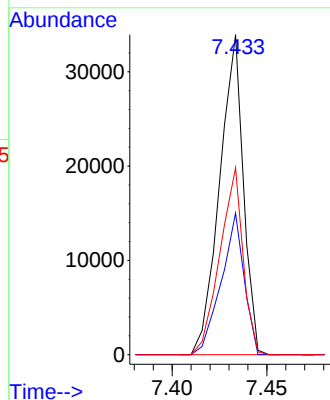
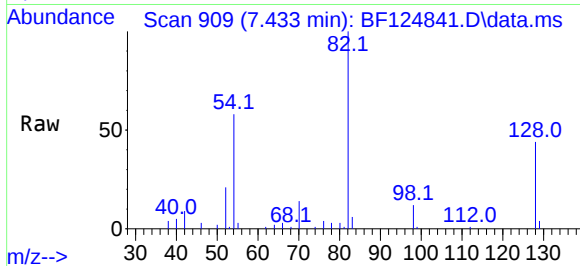
#23  
Nitrobenzene-d5  
Concen: 74.277 ng  
RT: 7.433 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
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Tgt Ion: 82 Resp: 29546  
Ion Ratio Lower Upper  
82 100  
128 44.2 40.6 60.8  
54 58.4 49.6 74.4

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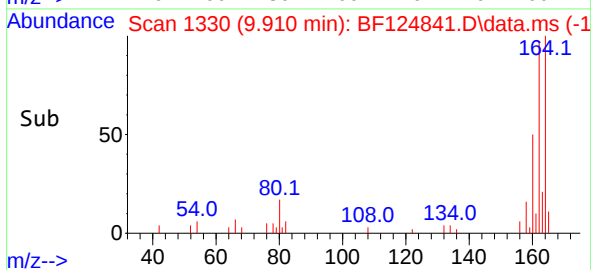
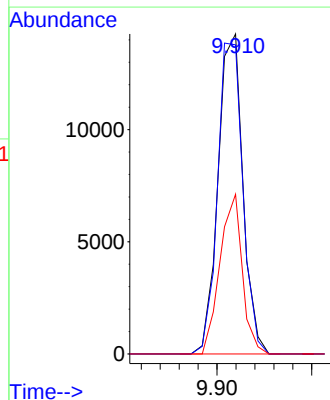
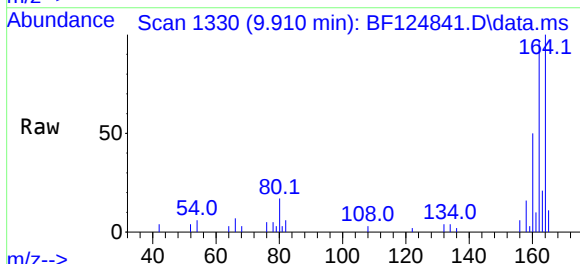
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

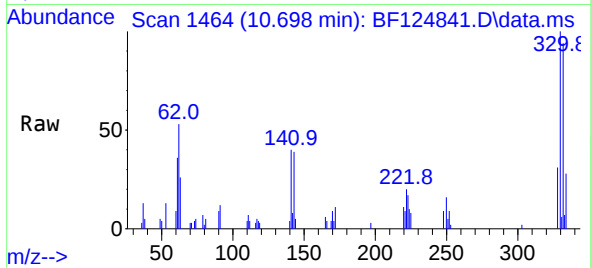
Tgt Ion:164 Resp: 12981  
Ion Ratio Lower Upper  
164 100  
162 96.6 81.3 121.9  
160 49.9 38.0 57.0





#42  
2,4,6-Tribromophenol  
Concen: 99.099 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

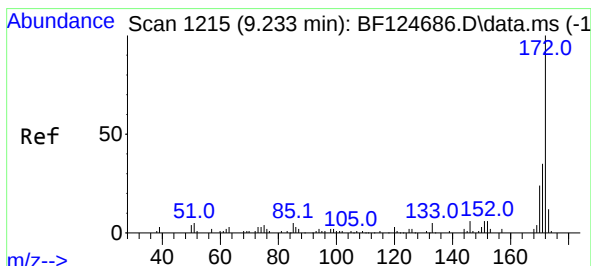
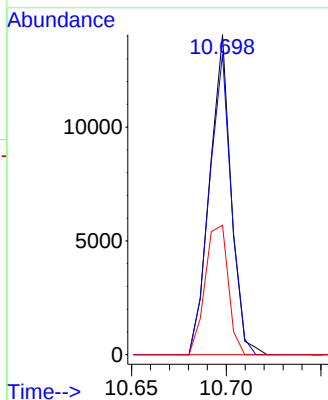
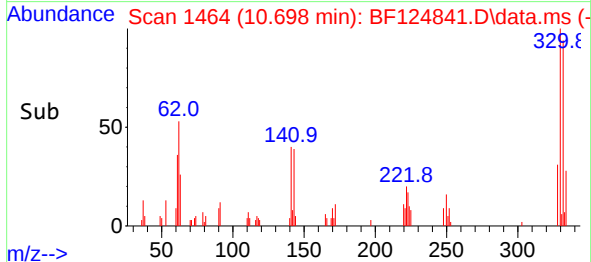
Instrument :  
BNA\_F  
ClientSampled :  
TP-8



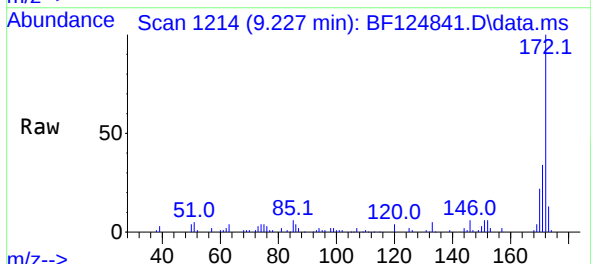
Tgt Ion:330 Resp: 11045  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.2 114.4  
141 43.7 44.6 66.8#

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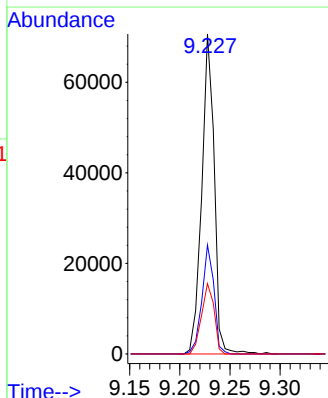
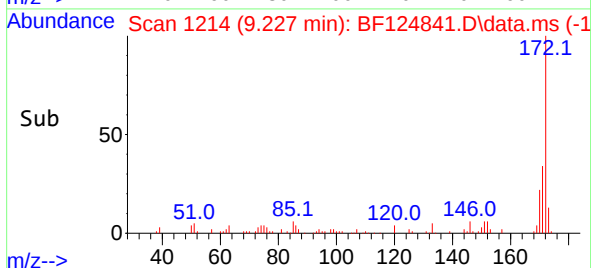
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#45  
2-Fluorobiphenyl  
Concen: 69.783 ng  
RT: 9.227 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
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Tgt Ion:172 Resp: 61675  
Ion Ratio Lower Upper  
172 100  
171 34.1 26.5 39.7  
170 22.0 18.8 28.2





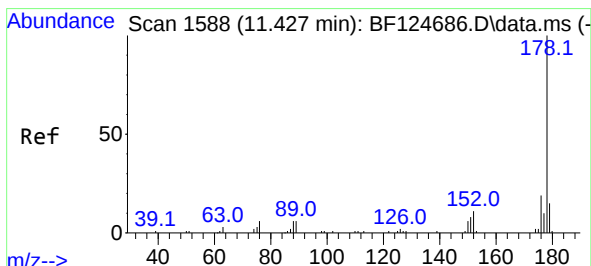
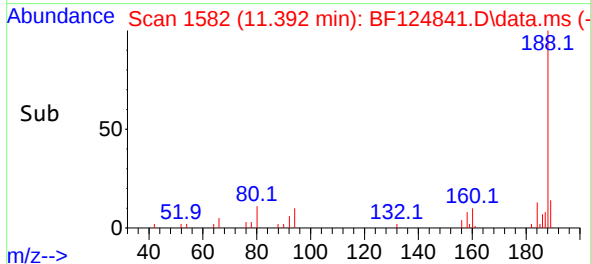
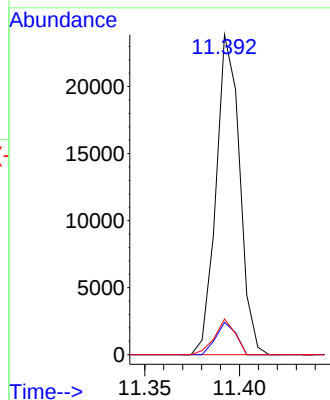
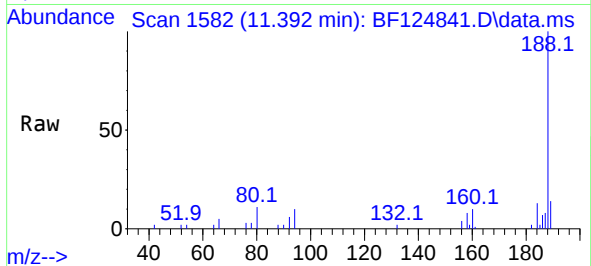
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

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Tgt Ion:188 Resp: 20685  
Ion Ratio Lower Upper  
188 100  
94 10.1 6.7 10.1  
80 11.1 7.5 11.3

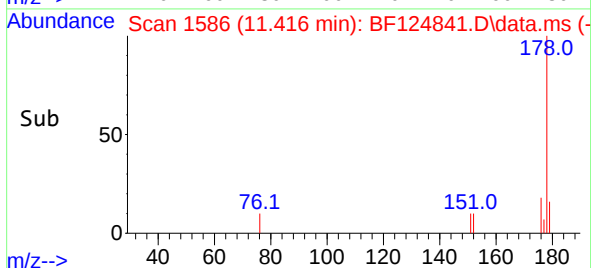
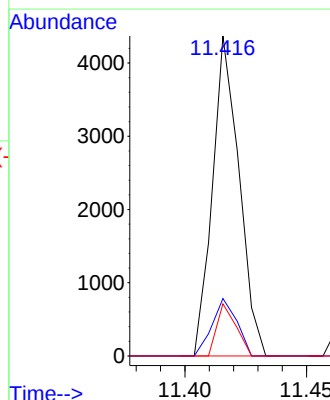
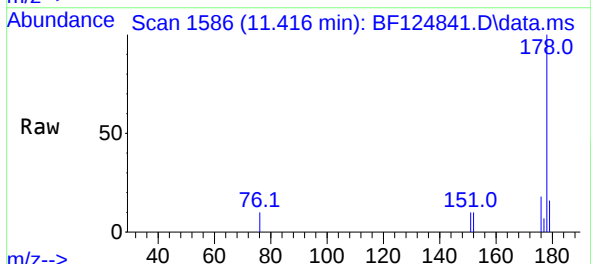
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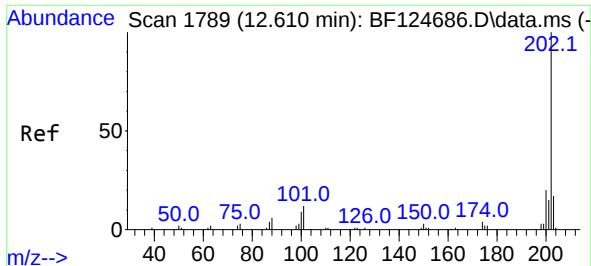
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#71  
Phenanthrene  
Concen: 2.980 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.012 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

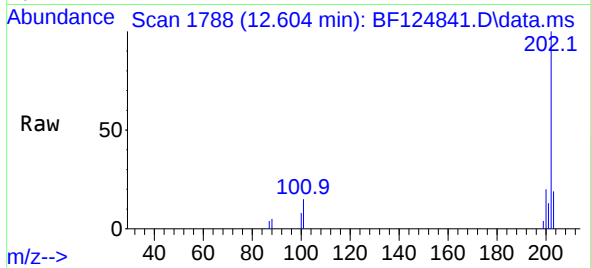
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Ion Ratio Lower Upper  
178 100  
176 18.0 14.7 22.1  
179 16.3 11.5 17.3





#75  
Fluoranthene  
Concen: 6.443 ng  
RT: 12.604 min Scan# 1788  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

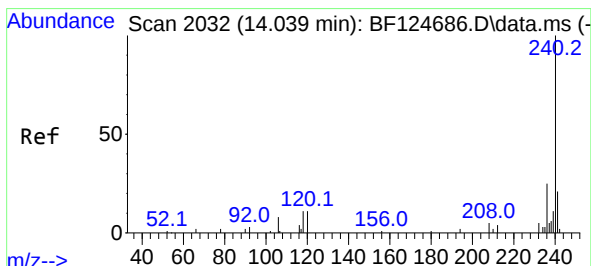
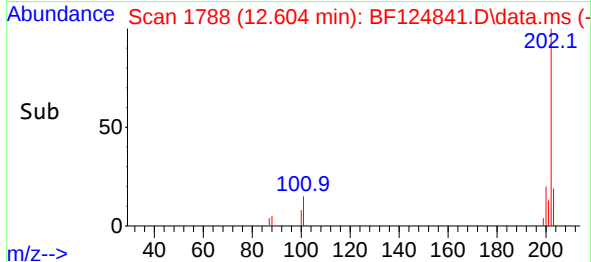
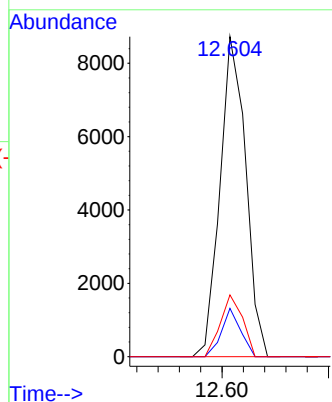
Instrument :  
BNA\_F  
ClientSampled :  
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Tgt Ion:202 Resp: 7315  
Ion Ratio Lower Upper  
202 100  
101 15.1 0.0 30.7  
203 19.3 0.0 36.3

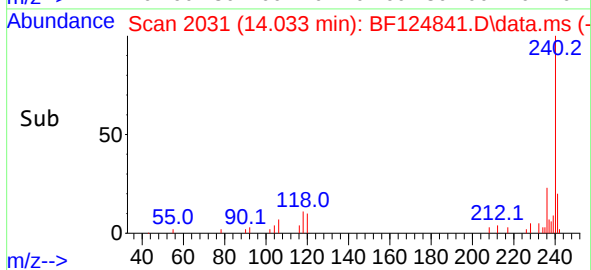
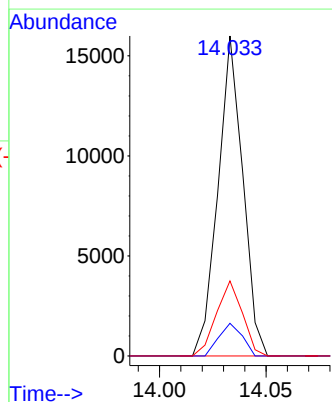
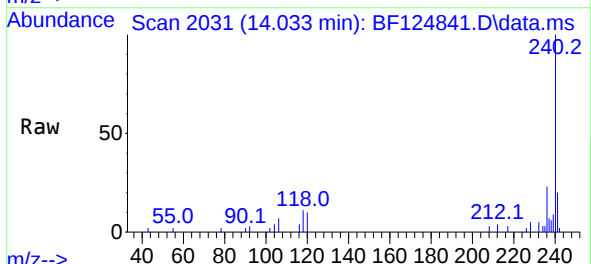
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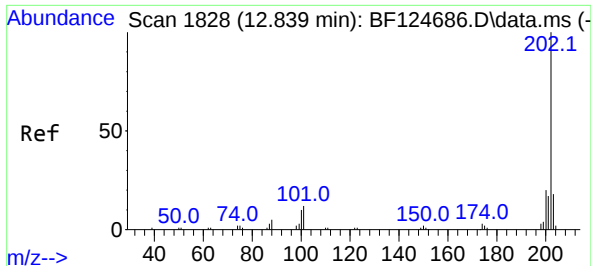
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

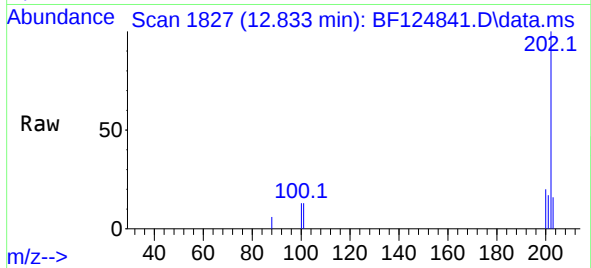
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Ion Ratio Lower Upper  
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120 10.2 10.8 16.2#  
236 23.4 21.6 32.4





#78  
Pyrene  
Concen: 6.268 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

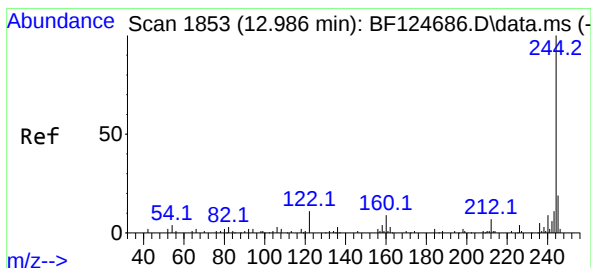
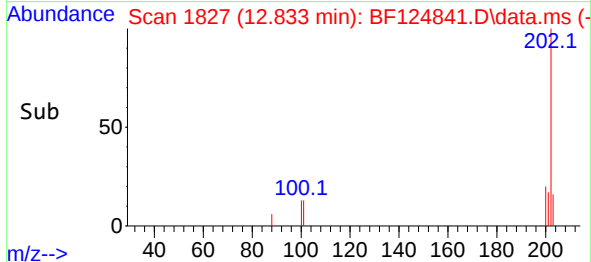
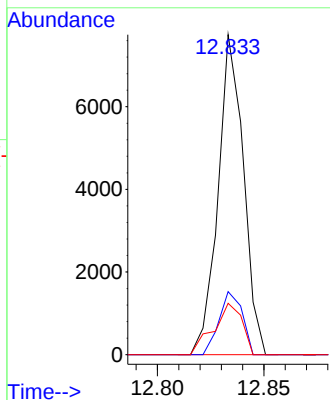
Instrument :  
BNA\_F  
ClientSampled :  
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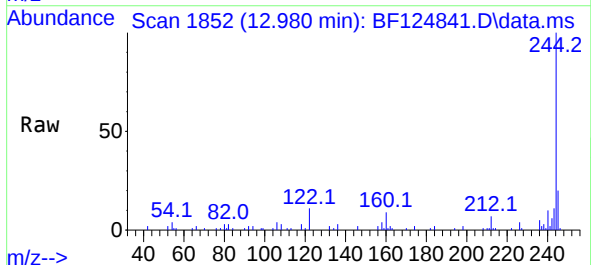
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Manual Integrations  
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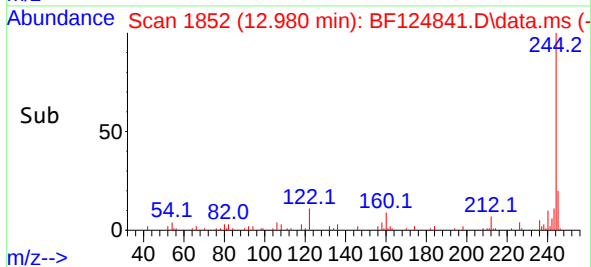
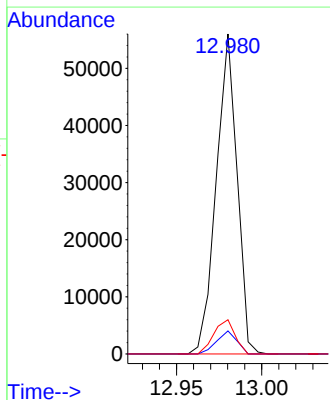
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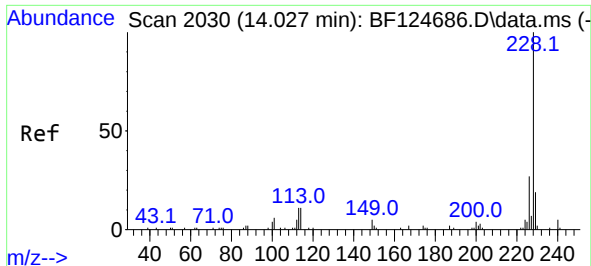


#79  
Terphenyl-d14  
Concen: 62.924 ng  
RT: 12.980 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38



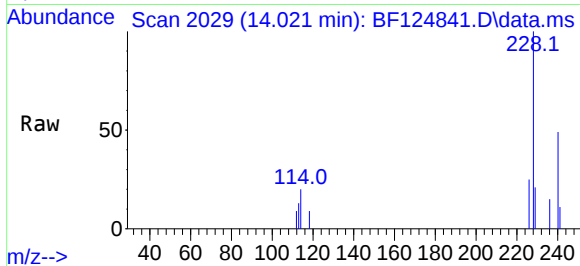
Tgt Ion:244 Resp: 47505  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.9 8.9  
122 10.7 9.0 13.4





#81  
Benzo(a)anthracene  
Concen: 4.114 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

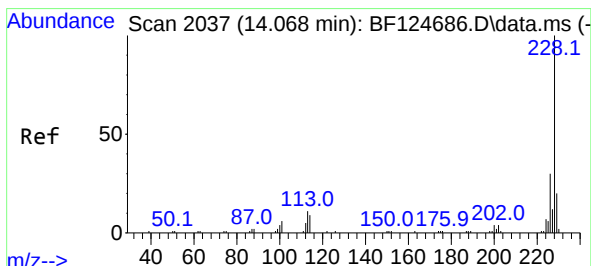
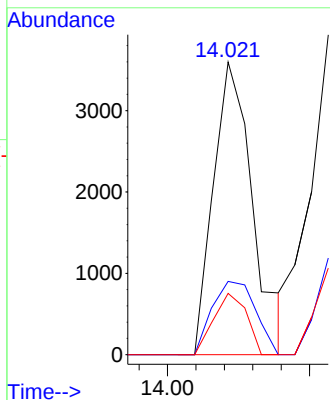
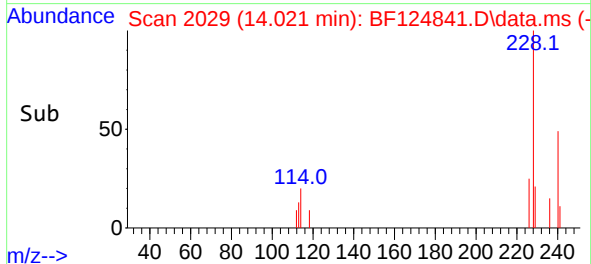
Instrument :  
BNA\_F  
ClientSampled :  
TP-8



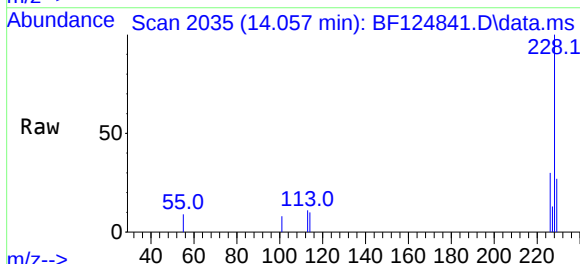
Tgt Ion:228 Resp: 3480  
Ion Ratio Lower Upper  
228 100  
226 25.0 21.6 32.4  
229 20.9 15.6 23.4

Manual Integrations  
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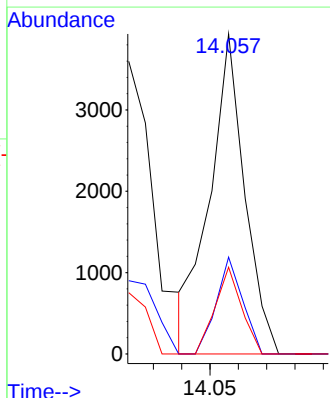
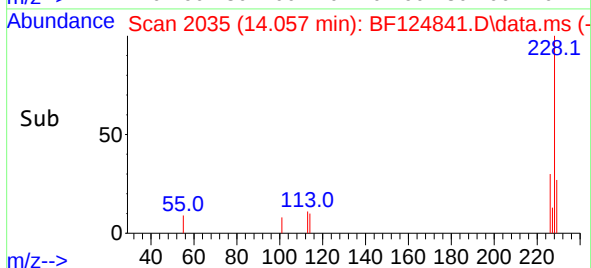
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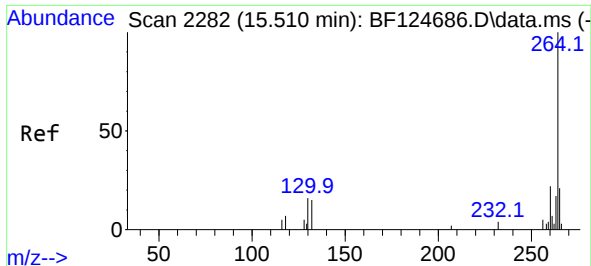


#83  
Chrysene  
Concen: 4.133 ng m  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.012 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38



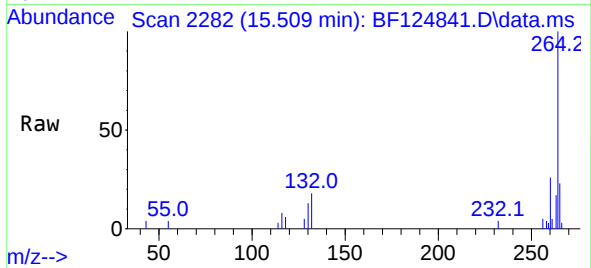
Tgt Ion:228 Resp: 3368  
Ion Ratio Lower Upper  
228 100  
226 30.2 22.6 34.0  
229 27.1 15.9 23.9#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.509 min Scan# 2282  
Delta R.T. -0.000 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

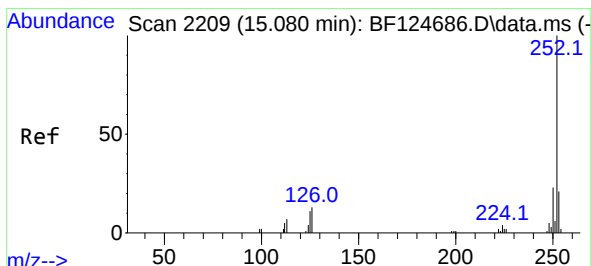
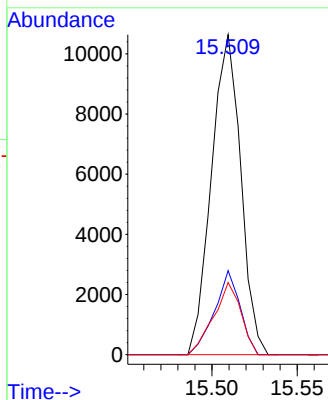
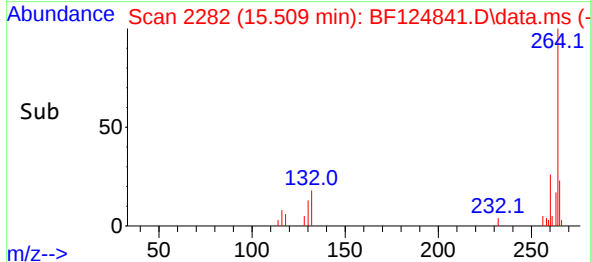
Instrument :  
BNA\_F  
ClientSampled :  
TP-8



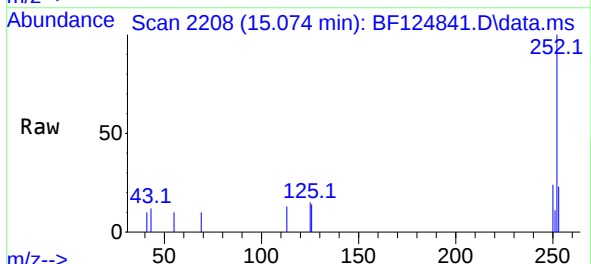
Tgt Ion:264 Resp: 12722  
Ion Ratio Lower Upper  
264 100  
260 26.3 19.6 29.4  
265 22.6 17.2 25.8

Manual Integrations  
APPROVED

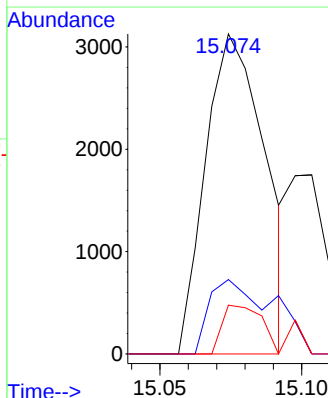
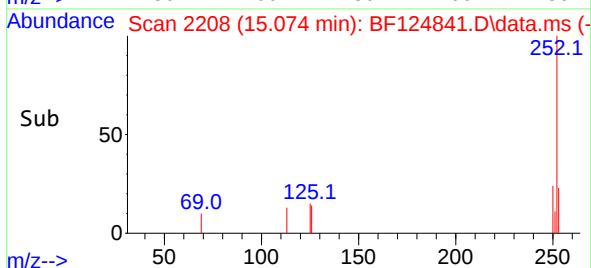
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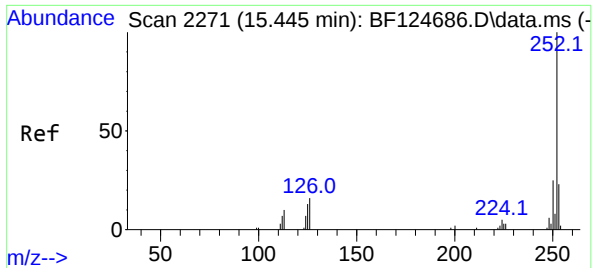


#88  
Benzo(b)fluoranthene  
Concen: 5.094 ng m  
RT: 15.074 min Scan# 2208  
Delta R.T. -0.006 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38



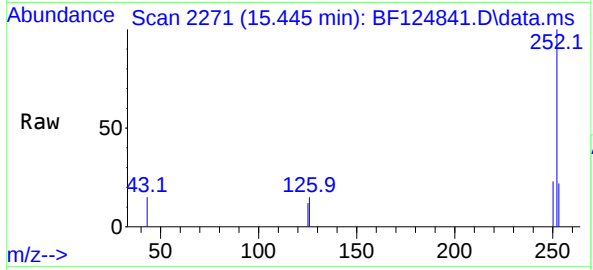
Tgt Ion:252 Resp: 4563  
Ion Ratio Lower Upper  
252 100  
253 23.2 16.8 25.2  
125 15.3 9.8 14.8#





#90  
Benzo(a)pyrene  
Concen: 4.056 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. -0.000 min  
Lab File: BF124841.D  
Acq: 28 Jul 2021 22:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-8



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 3035      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 22.5  | 18.4 27.6 |
| 125         | 12.1  | 9.9 14.9  |

Manual Integrations  
APPROVED

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