

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112320\  
 Data File : BF122457.D  
 Acq On : 23 Nov 2020 20:26  
 Operator : JU/CG  
 Sample : L4876-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TB-2D

Manual Integrations  
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Quant Time: Nov 24 00:28:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 20 13:27:02 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 168108   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 630340   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.910  | 164  | 309978   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 506444   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 464282   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.521 | 264  | 538264   | 20.00  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 1136847  | 103.84 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1394422  | 97.36  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 862822   | 83.80  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 368994   | 110.91 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.227  | 172  | 1555073  | 78.38  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1358771  | 62.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 10) Phenol                    | 6.510  | 94   | 111494   | 7.91   | ng    | # 74     |
| 50) Dimethylphthalate         | 9.622  | 163  | 70014    | 3.18   | ng    | 99       |
| 71) Phenanthrene              | 11.421 | 178  | 74849    | 2.60   | ng    | 98       |
| 75) Fluoranthene              | 12.610 | 202  | 203616   | 6.79   | ng    | 97       |
| 78) Pyrene                    | 12.839 | 202  | 202369   | 6.20   | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 151802m  | 5.26   | ng    |          |
| 83) Chrysene                  | 14.068 | 228  | 137708   | 4.74   | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 34468    | 2.19   | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.992 | 276  | 127138m  | 3.94   | ng    |          |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 216523m  | 6.21   | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 83192m   | 2.45   | ng    |          |
| 90) Benzo(a)pyrene            | 15.456 | 252  | 198824   | 6.54   | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 116977   | 4.45   | ng    | 98       |
| -----                         |        |      |          |        |       |          |

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

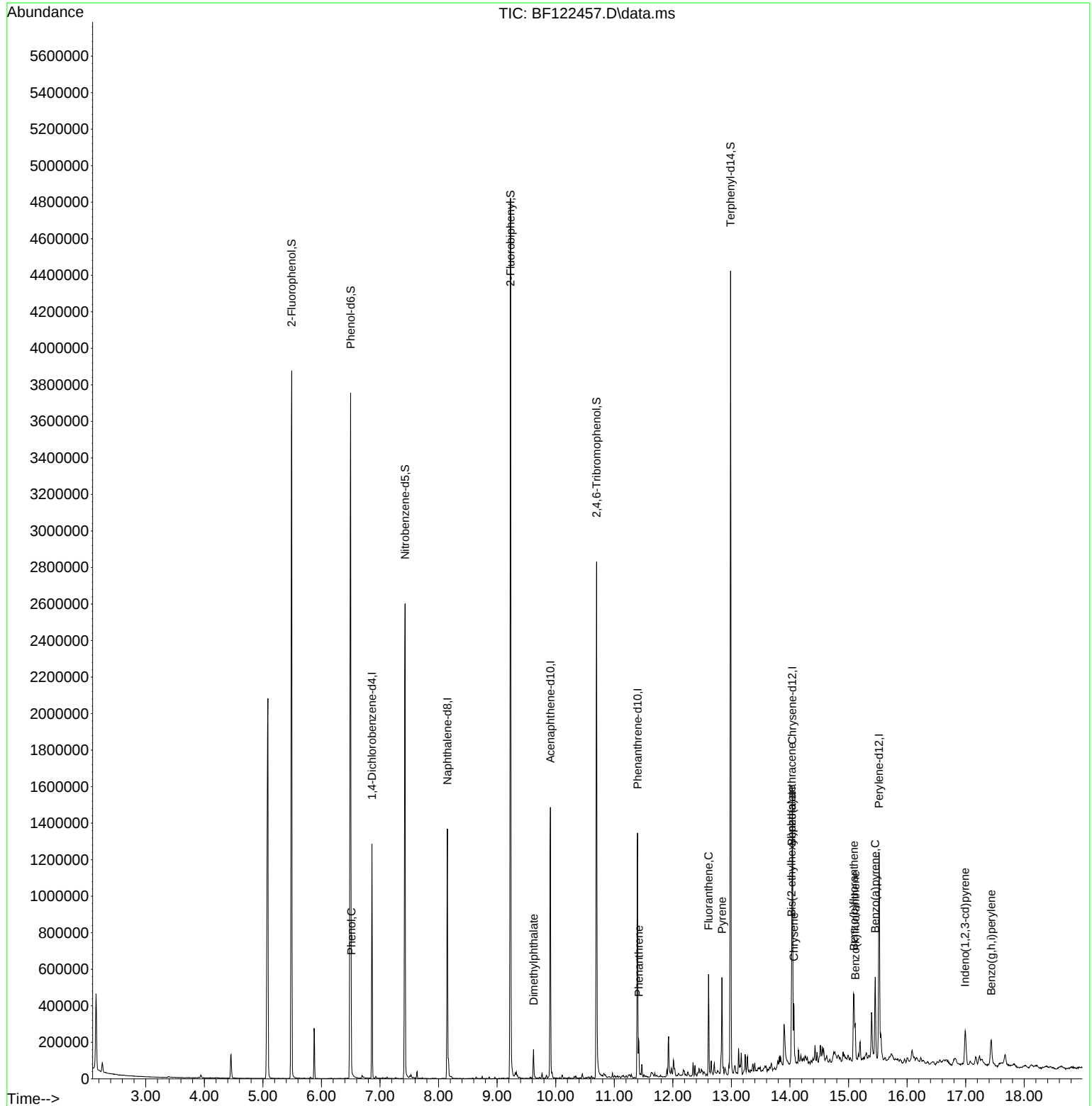
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112320\  
Data File : BF122457.D  
Acq On : 23 Nov 2020 20:26  
Operator : JU/CG  
Sample : L4876-04  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

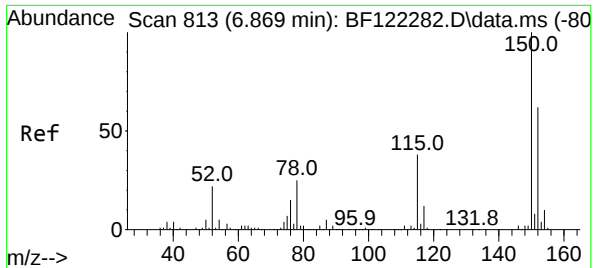
Instrument :  
BNA\_F  
ClientSampleId :  
TB-2D

Manual Integrations  
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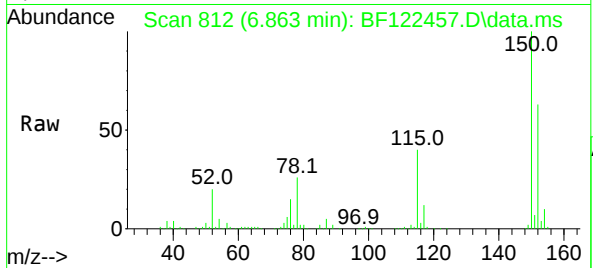
Quant Time: Nov 24 00:28:03 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 20 13:27:02 2020  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.863 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

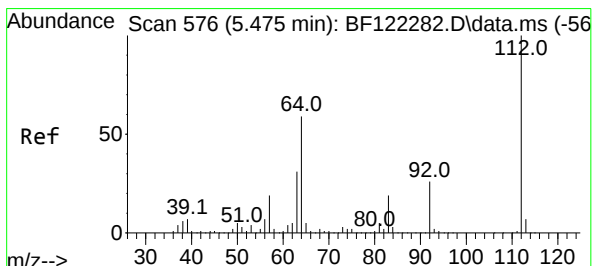
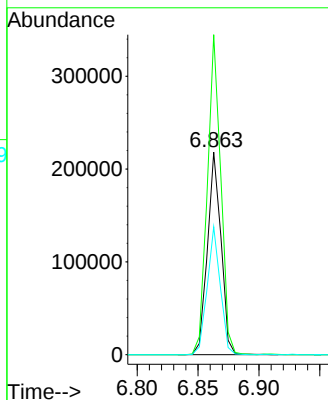
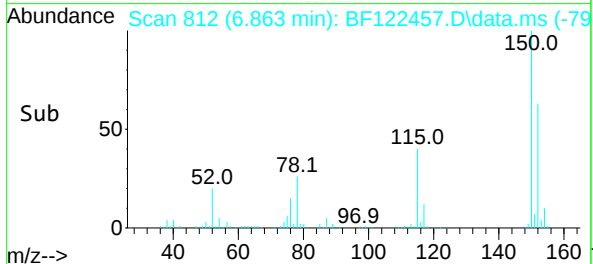
Instrument :  
BNA\_F  
ClientSampleId :  
TB-2D



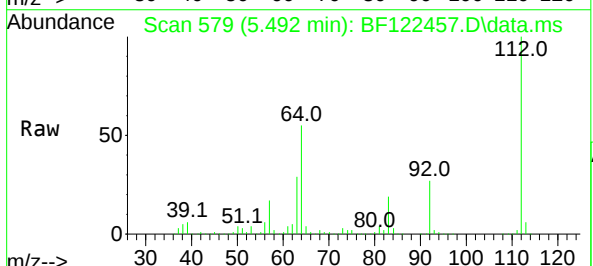
Tgt Ion:152 Resp: 168108  
Ion Ratio Lower Upper  
152 100  
150 157.9 125.3 187.9  
115 63.1 51.9 77.9

Manual Integrations  
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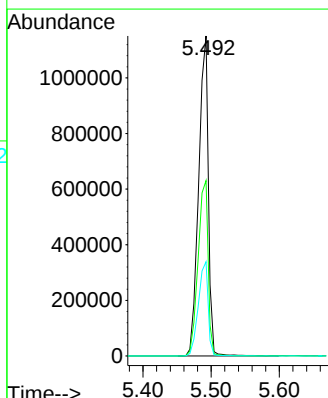
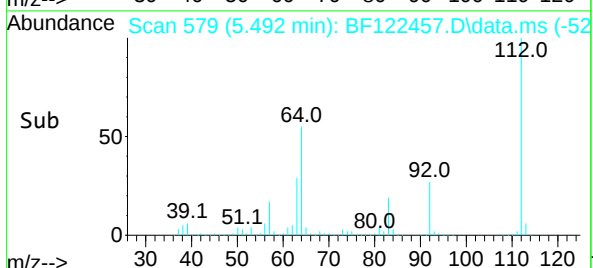
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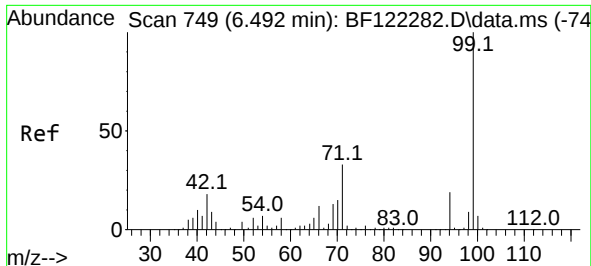


#5  
2-Fluorophenol  
Concen: 103.84 ng  
RT: 5.492 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

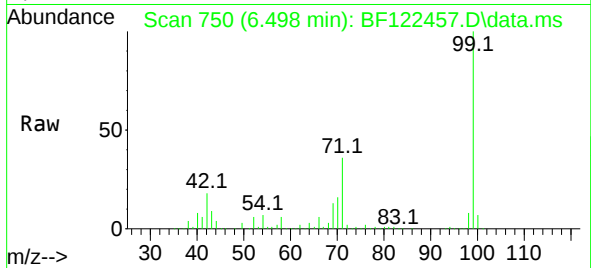


Tgt Ion:112 Resp: 1136847  
Ion Ratio Lower Upper  
112 100  
64 54.8 50.4 75.6  
63 29.4 25.8 38.6



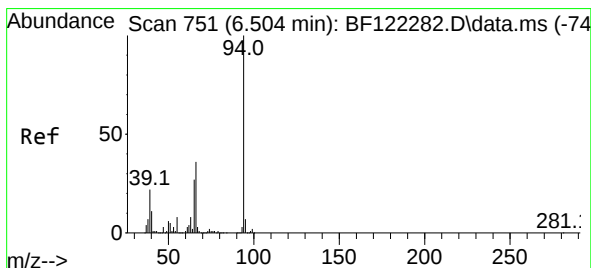
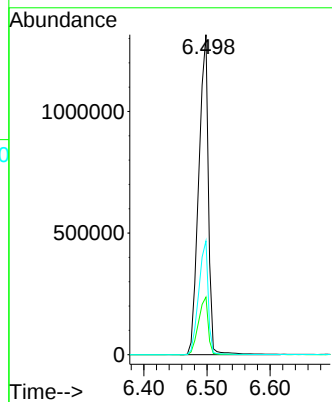
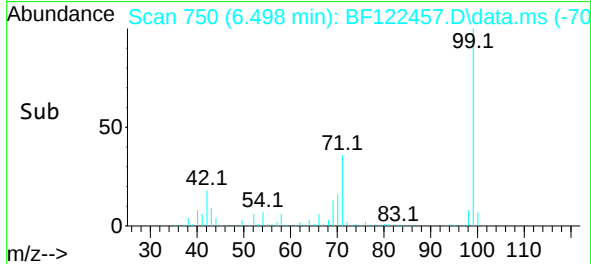


#7  
Phenol-d6  
Concen: 97.36 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

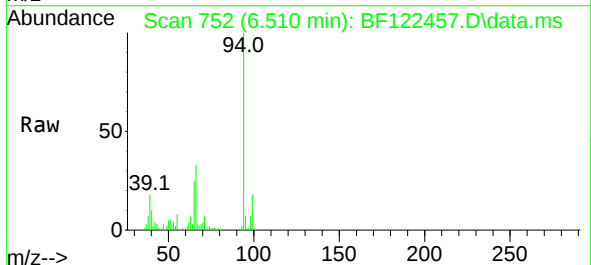


Tgt Ion: 99 Resp: 1394422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.0  | 15.9  | 23.9  |
| 71  | 35.5  | 27.1  | 40.7  |

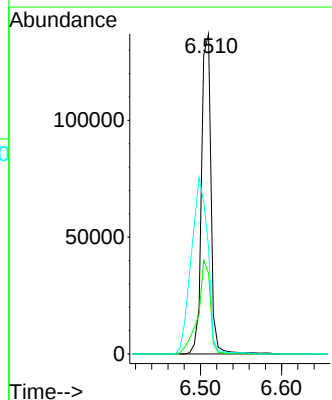
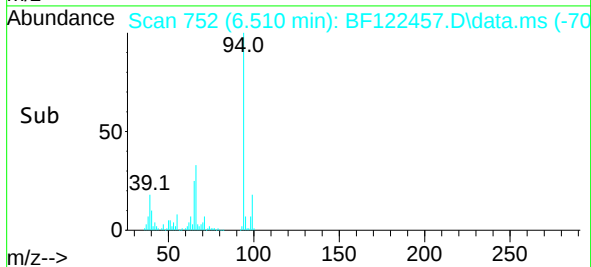


#10  
Phenol  
Concen: 7.91 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



Tgt Ion: 94 Resp: 111494

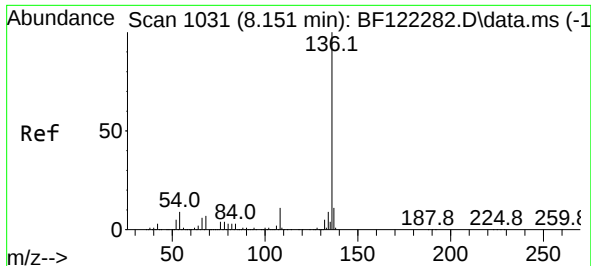
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 25.3  | 17.1  | 57.1  |
| 66  | 33.5  | 36.0  | 76.0  |



Instrument :  
BNA\_F  
ClientSampleId :  
TB-2D

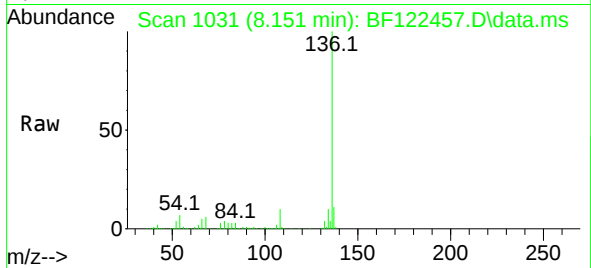
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

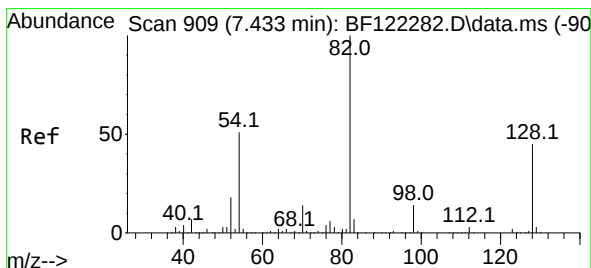
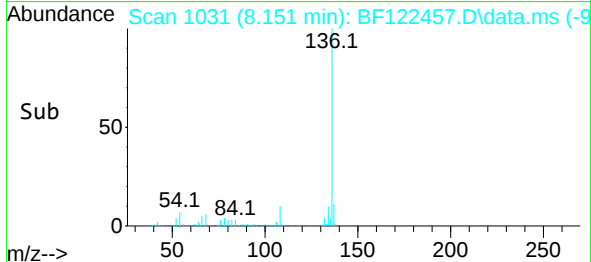
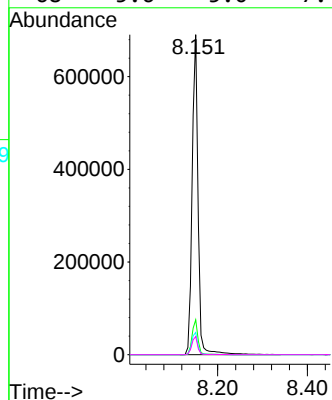
Instrument :  
BNA\_F  
ClientSampled :  
TB-2D



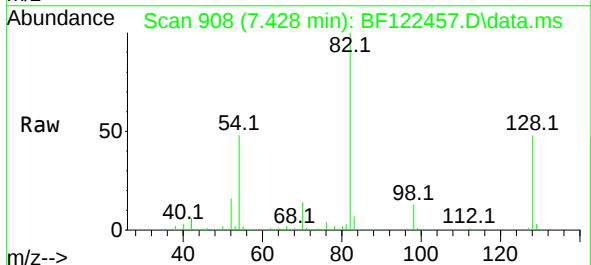
Tgt Ion:136 Resp: 630340  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 7.0 7.1 10.7#  
68 5.6 5.0 7.4

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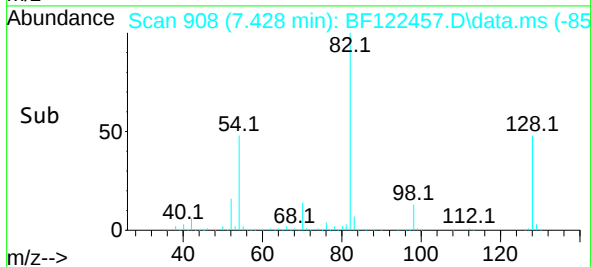
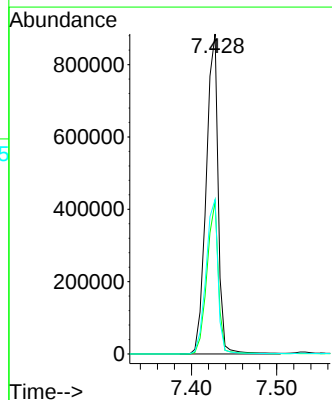
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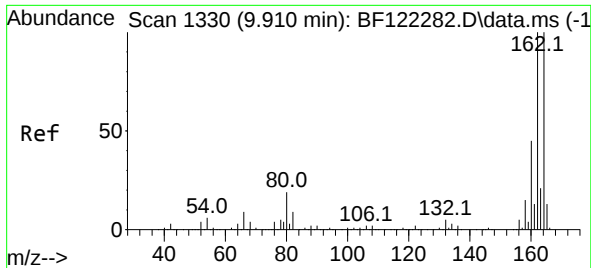


#23  
Nitrobenzene-d5  
Concen: 83.80 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



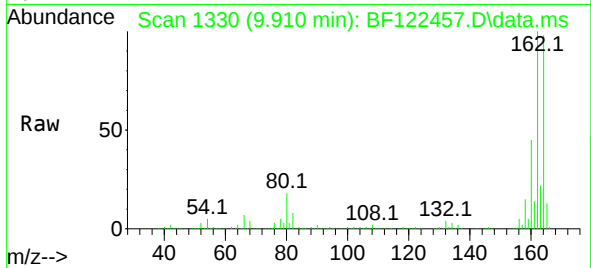
Tgt Ion: 82 Resp: 862822  
Ion Ratio Lower Upper  
82 100  
128 47.6 35.0 52.4  
54 48.2 43.9 65.9





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

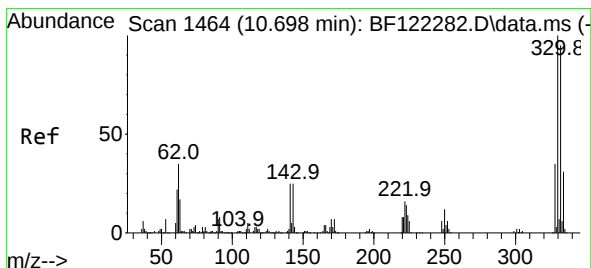
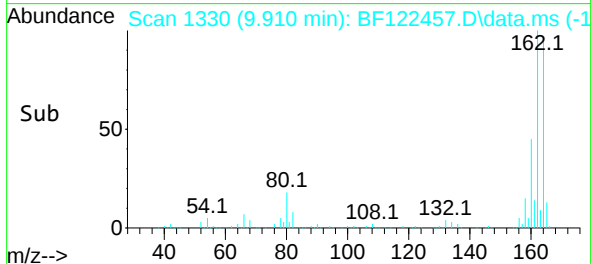
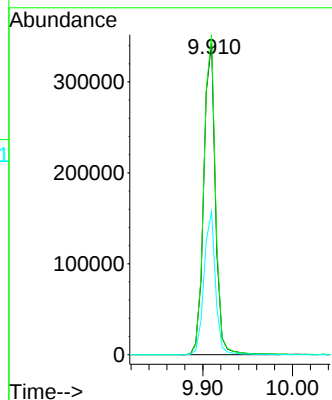
Instrument :  
BNA\_F  
ClientSampled :  
TB-2D



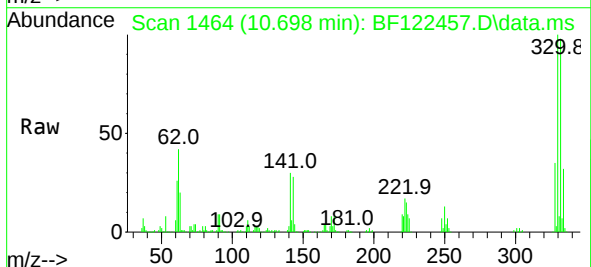
Tgt Ion:164 Resp: 309978  
Ion Ratio Lower Upper  
164 100  
162 102.3 83.2 124.8  
160 45.8 37.5 56.3

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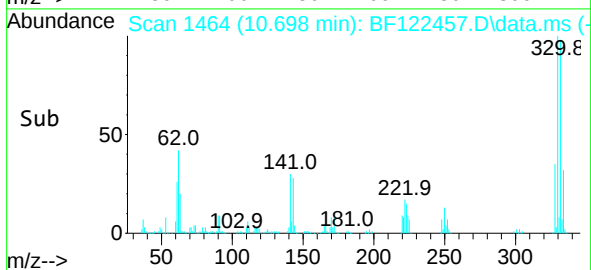
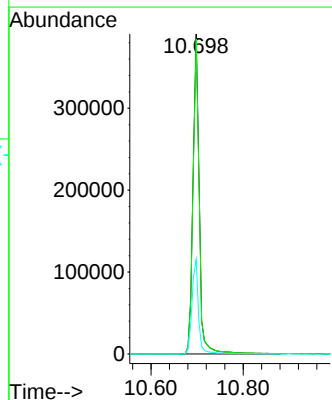
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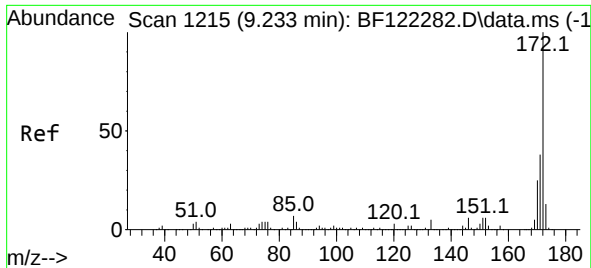


#42  
2,4,6-Tribromophenol  
Concen: 110.91 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



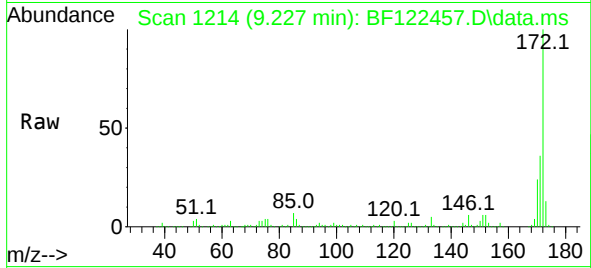
Tgt Ion:330 Resp: 368994  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.3 115.9  
141 31.0 22.3 33.5





#45  
2-Fluorobiphenyl  
Concen: 78.38 ng  
RT: 9.227 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

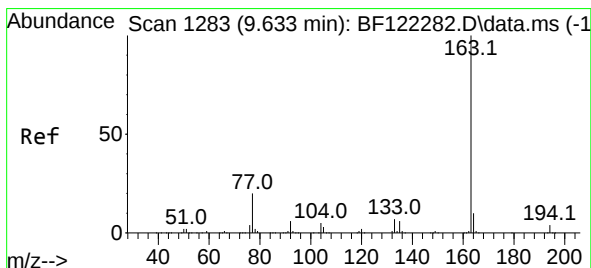
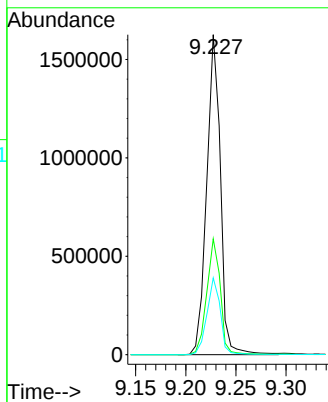
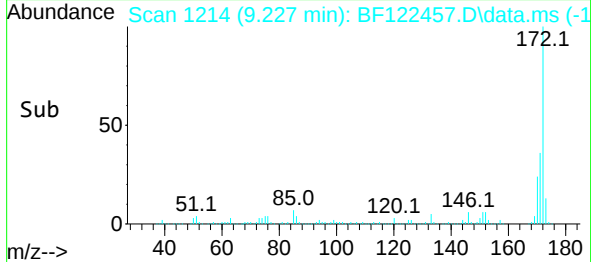
Instrument :  
BNA\_F  
ClientSampleId :  
TB-2D



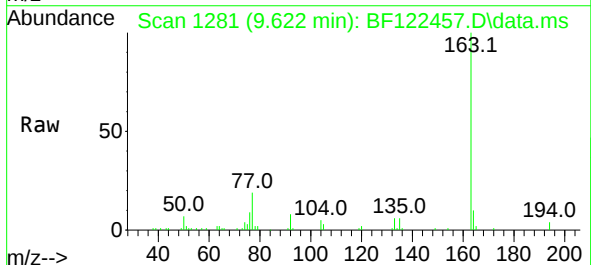
Tgt Ion:172 Resp: 1555073  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.1 43.7  
170 24.0 19.8 29.6

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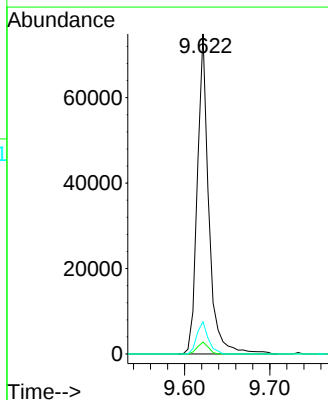
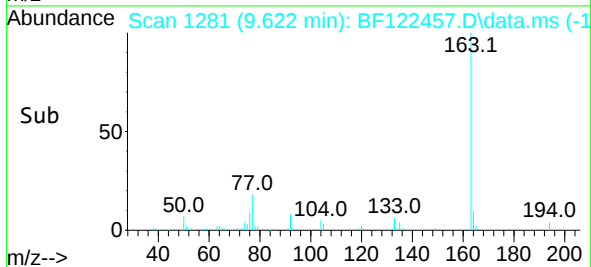
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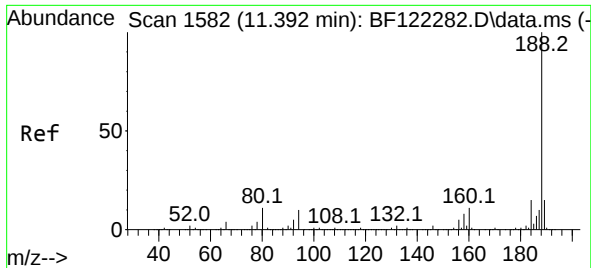


#50  
Dimethylphthalate  
Concen: 3.18 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.018 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



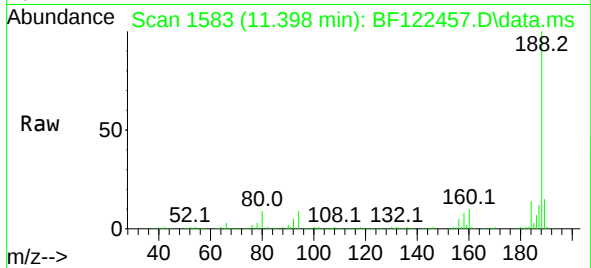
Tgt Ion:163 Resp: 70014  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 10.0 8.2 12.4





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

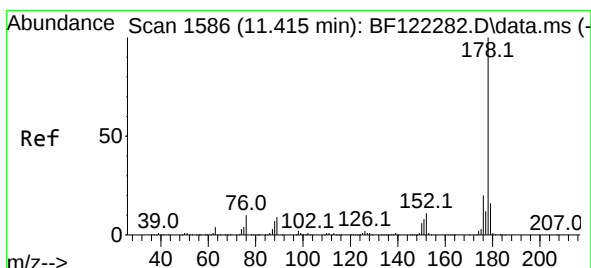
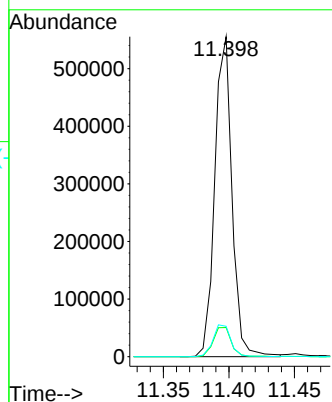
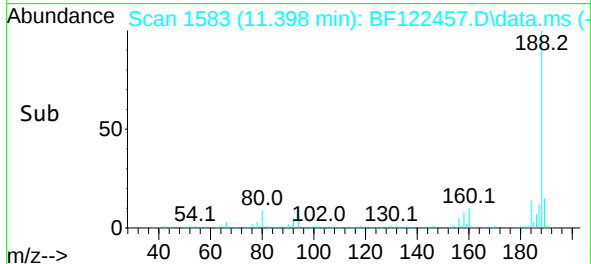
Instrument :  
BNA\_F  
ClientSampled :  
TB-2D



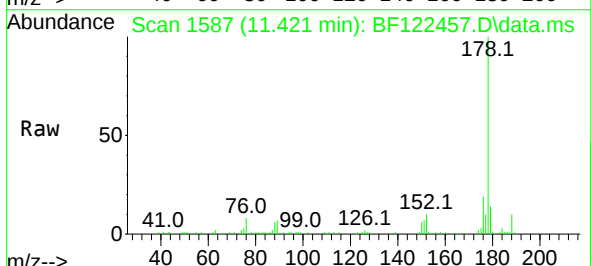
Tgt Ion:188 Resp: 506444  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.3 12.5  
80 9.5 9.1 13.7

Manual Integrations  
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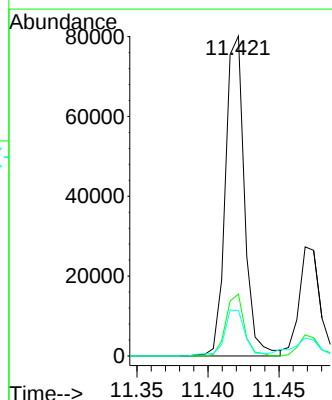
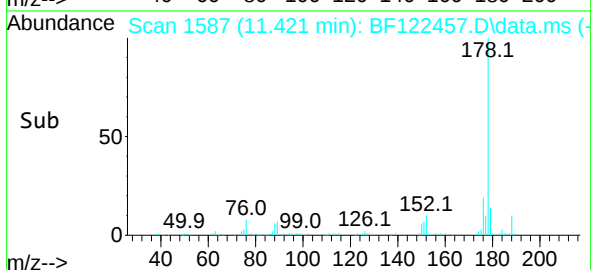
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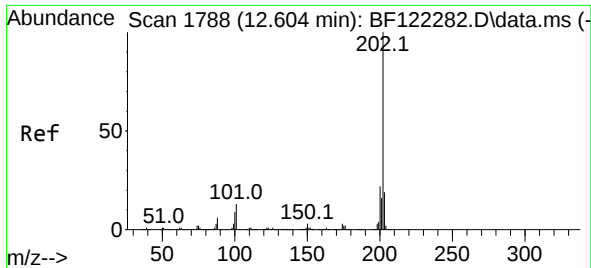


#71  
Phenanthrene  
Concen: 2.60 ng  
RT: 11.421 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

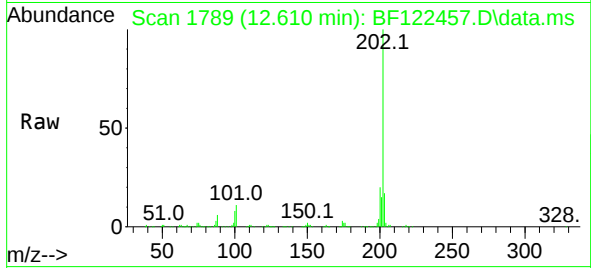


Tgt Ion:178 Resp: 74849  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.9 23.9  
179 14.2 12.2 18.4

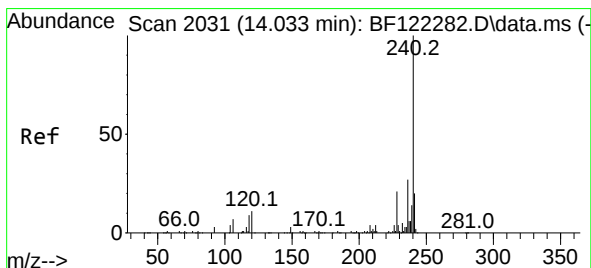
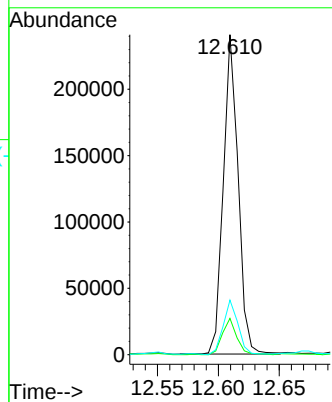
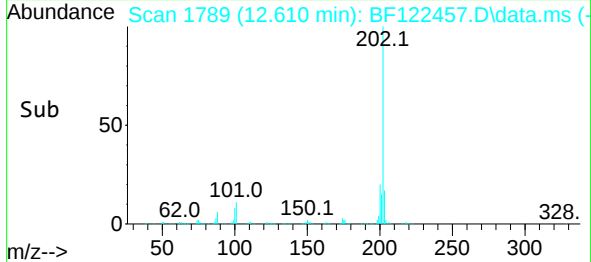




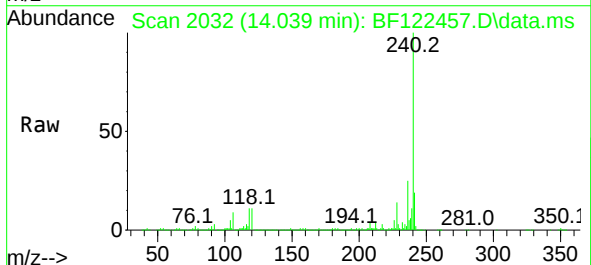
#75  
Fluoranthene  
Concen: 6.79 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



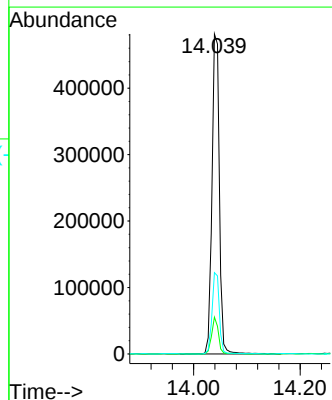
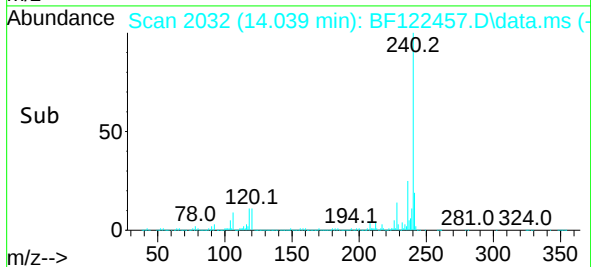
Tgt Ion:202 Resp: 203616  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 33.4  
203 17.1 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



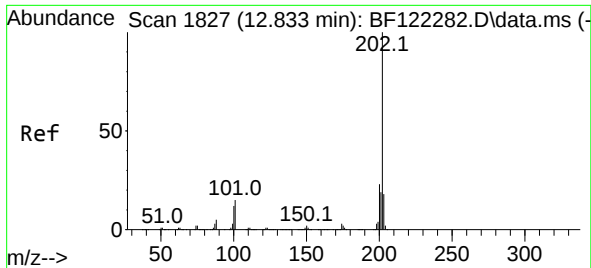
Tgt Ion:240 Resp: 464282  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.2 13.8  
236 25.4 20.9 31.3



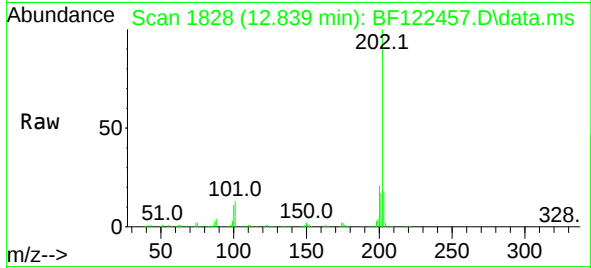
Instrument :  
BNA\_F  
ClientSampleId :  
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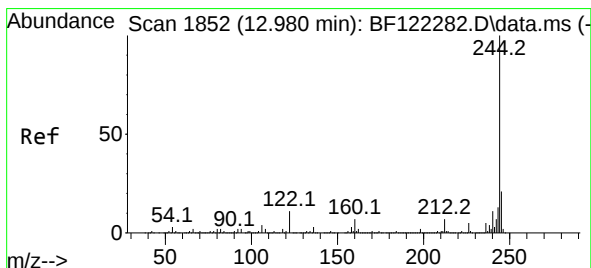
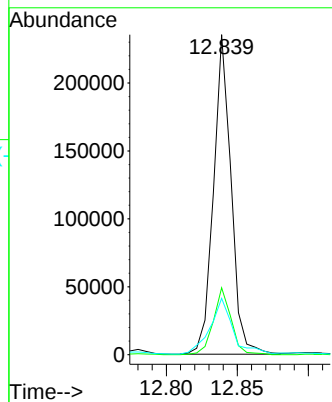
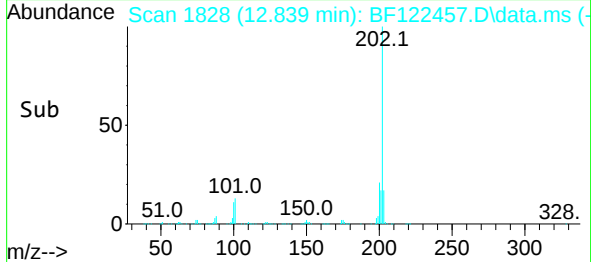
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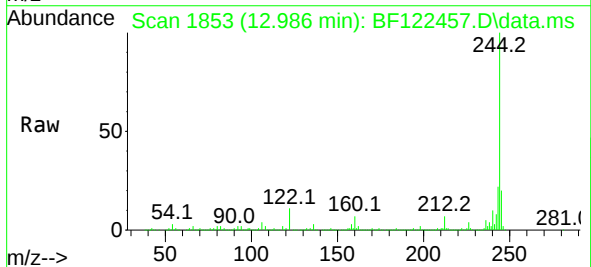
#78  
Pyrene  
Concen: 6.20 ng  
RT: 12.839 min Scan# 1828  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



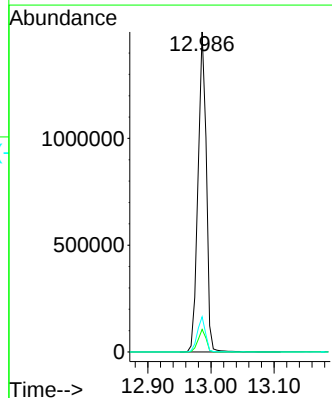
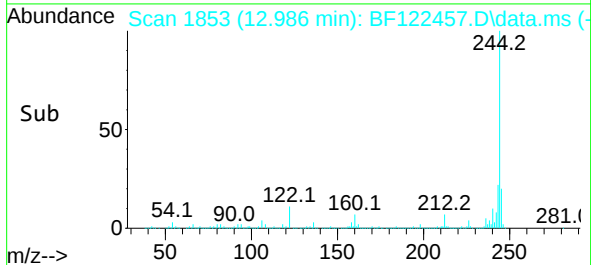
Tgt Ion:202 Resp: 202369  
Ion Ratio Lower Upper  
202 100  
200 20.9 17.4 26.2  
203 17.6 14.6 21.8



#79  
Terphenyl-d14  
Concen: 62.00 ng  
RT: 12.986 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



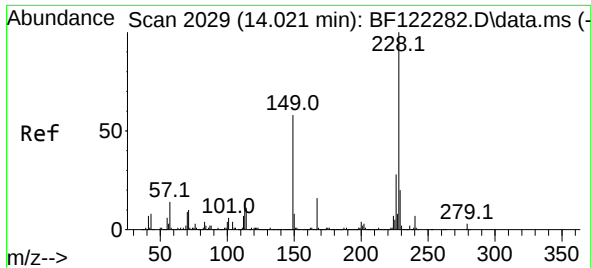
Tgt Ion:244 Resp: 1358771  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.4 8.2  
122 11.0 8.1 12.1



Instrument :  
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ClientSampleId :  
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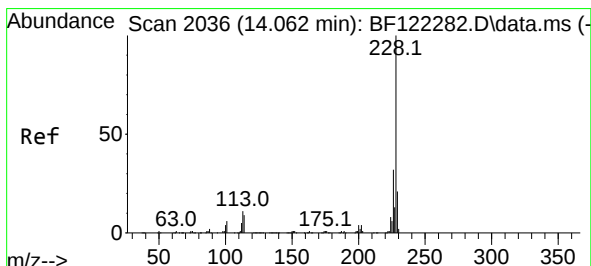
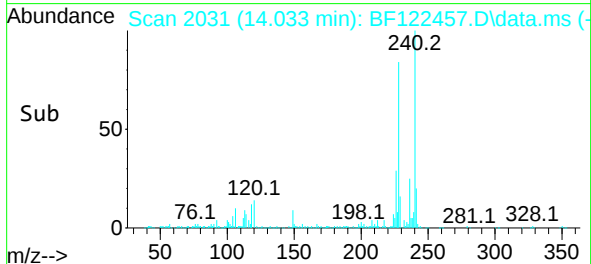
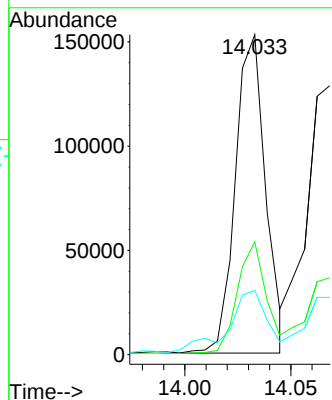
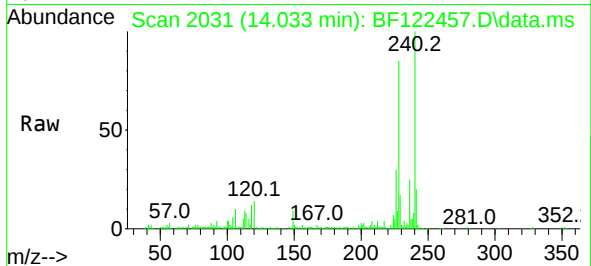
#81  
Benzo(a)anthracene  
Concen: 5.26 ng m  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
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Tgt Ion:228 Resp: 151802  
Ion Ratio Lower Upper  
228 100  
226 35.2 22.3 33.5#  
229 20.1 16.2 24.4

Instrument :  
BNA\_F  
ClientSampled :  
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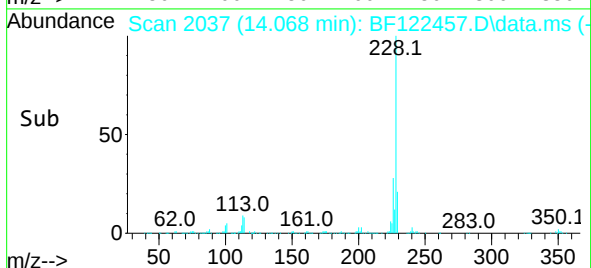
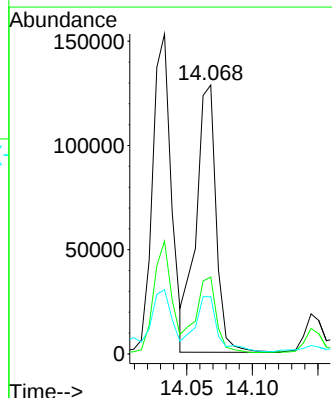
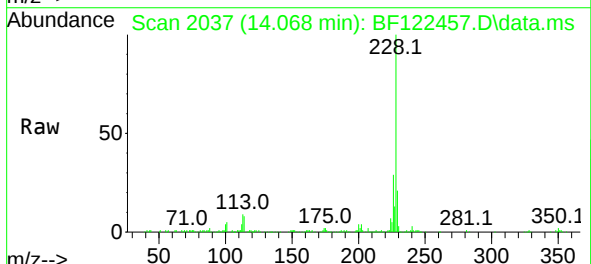
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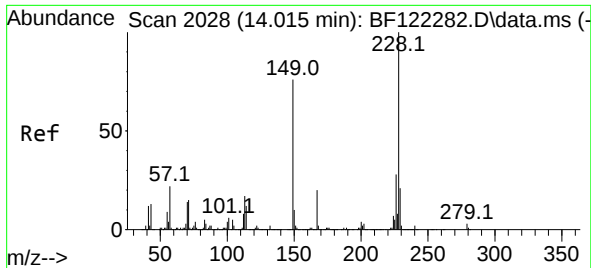
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#83  
Chrysene  
Concen: 4.74 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

Tgt Ion:228 Resp: 137708  
Ion Ratio Lower Upper  
228 100  
226 28.6 24.6 37.0  
229 21.3 15.9 23.9





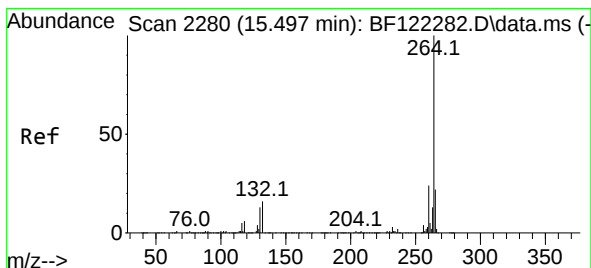
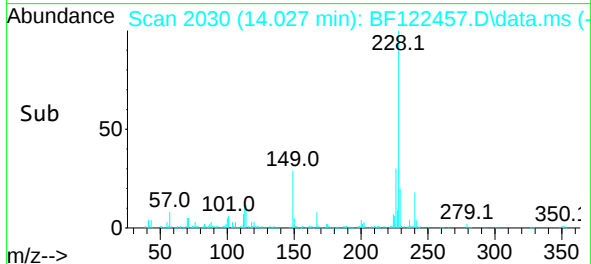
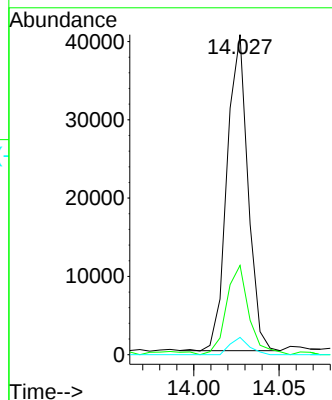
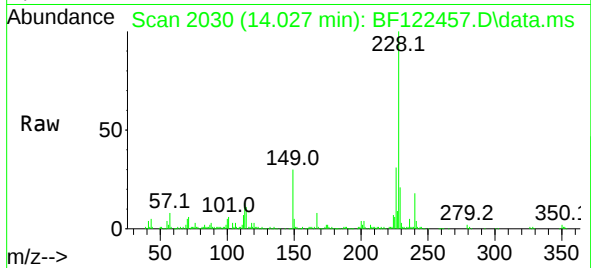
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 2.19 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

Tgt Ion:149 Resp: 34468  
Ion Ratio Lower Upper  
149 100  
167 27.9 20.9 31.3  
279 5.4 3.2 4.8#

Instrument :  
BNA\_F  
ClientSampleId :  
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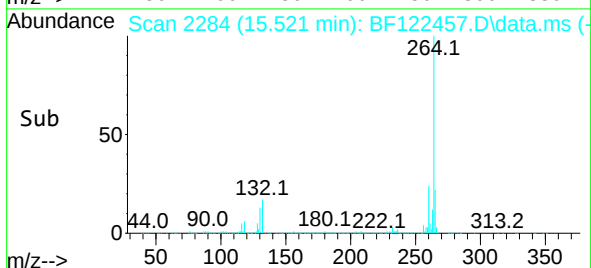
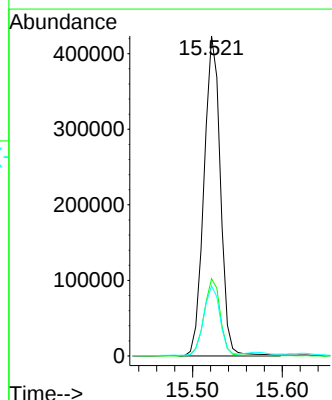
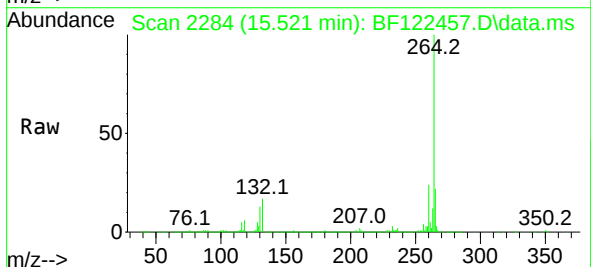
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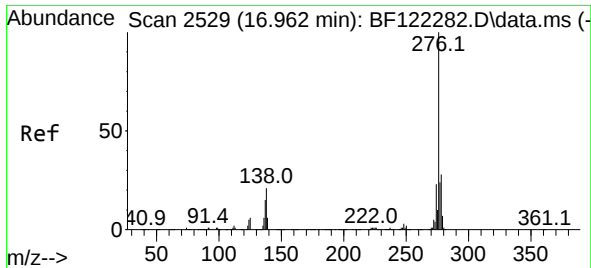
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.521 min Scan# 2284  
Delta R.T. -0.012 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

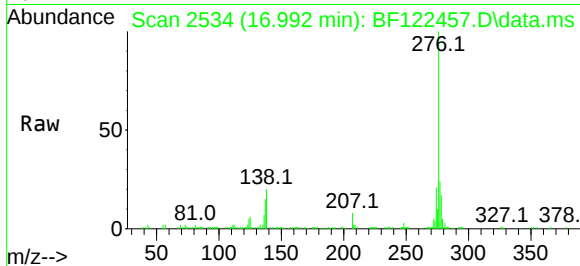
Tgt Ion:264 Resp: 538264  
Ion Ratio Lower Upper  
264 100  
260 24.2 18.7 28.1  
265 21.9 17.3 25.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.94 ng m  
RT: 16.992 min Scan# 2534  
Delta R.T. -0.030 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

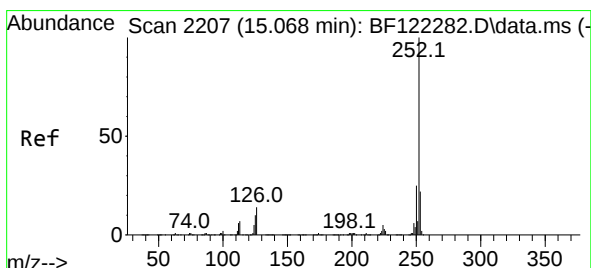
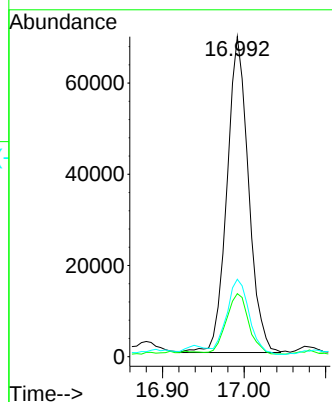
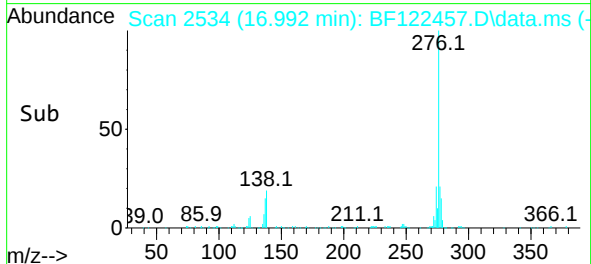
Instrument :  
BNA\_F  
ClientSampleId :  
TB-2D



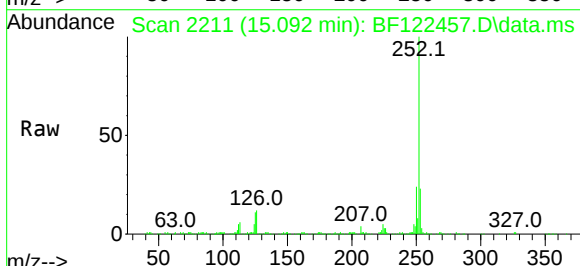
Tgt Ion:276 Resp: 127138  
Ion Ratio Lower Upper  
276 100  
138 4.0 19.9 29.9#  
277 4.6 20.4 30.6#

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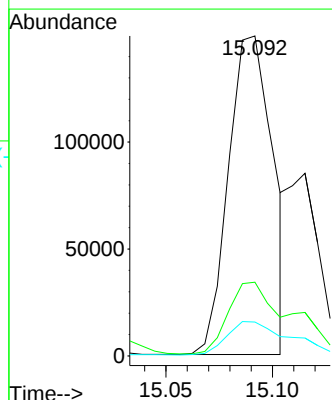
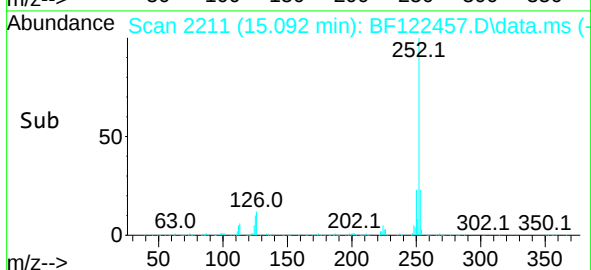
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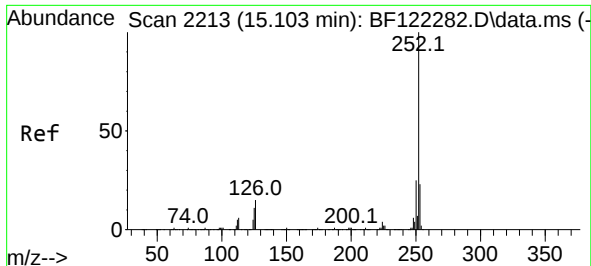


#88  
Benzo(b)fluoranthene  
Concen: 6.21 ng m  
RT: 15.092 min Scan# 2211  
Delta R.T. -0.006 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26



Tgt Ion:252 Resp: 216523  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.2 27.2  
125 10.6 8.0 12.0





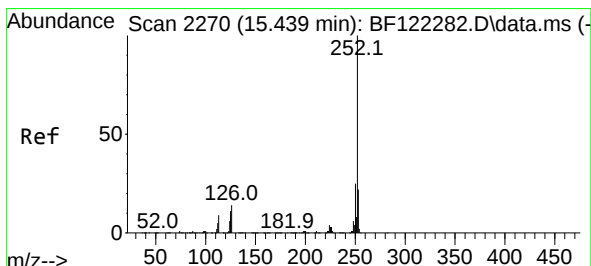
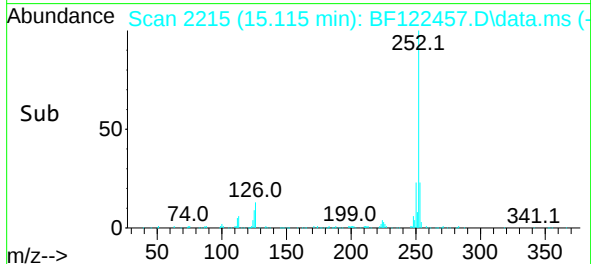
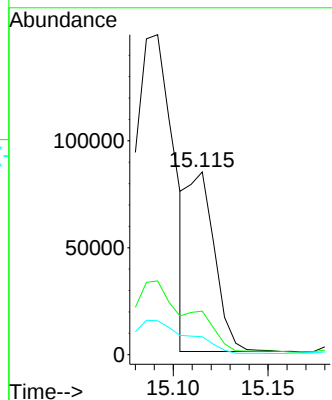
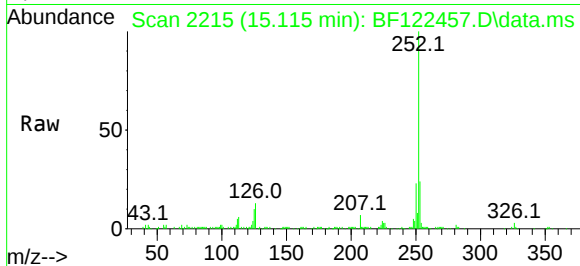
#89  
Benzo(k)fluoranthene  
Concen: 2.45 ng m  
RT: 15.115 min Scan# 2215  
Delta R.T. -0.018 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

Tgt Ion:252 Resp: 83192  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.8 26.6  
125 9.8 7.7 11.5

Instrument :  
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ClientSampled :  
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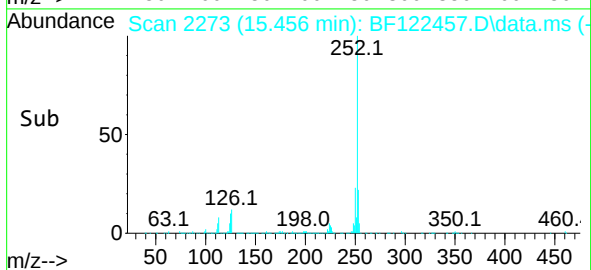
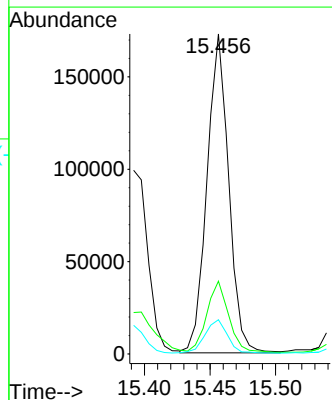
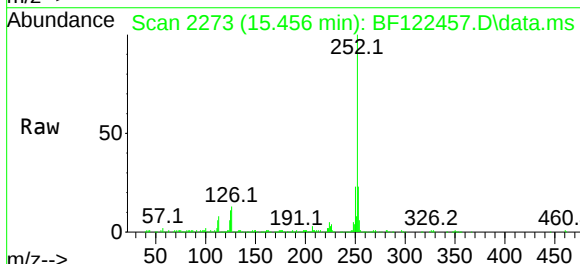
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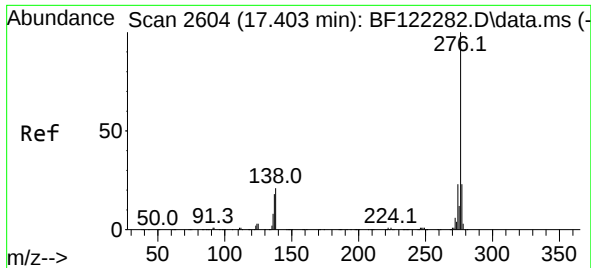
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#90  
Benzo(a)pyrene  
Concen: 6.54 ng  
RT: 15.456 min Scan# 2273  
Delta R.T. -0.018 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

Tgt Ion:252 Resp: 198824  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.3 25.9  
125 10.7 8.6 13.0





#92  
Benzo(g,h,i)perylene  
Concen: 4.45 ng  
RT: 17.439 min Scan# 2610  
Delta R.T. -0.030 min  
Lab File: BF122457.D  
Acq: 23 Nov 2020 20:26

Tgt Ion: 276 Resp: 116977  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.4 29.2  
138 20.6 17.8 26.6

Instrument :  
BNA\_F  
ClientSampleId :  
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