

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112320\  
 Data File : BF122462.D  
 Acq On : 23 Nov 2020 23:03  
 Operator : JU/CG  
 Sample : L4836-09  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SL-02

Manual Integrations  
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Quant Time: Nov 24 00:28:54 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   | 6.869  | 152  | 146160   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 481172   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.910  | 164  | 229652   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.398 | 188  | 421989   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 433417   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.533 | 264  | 384808   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.487  | 112  | 719294   | 75.57 | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 869250   | 69.81 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 523099   | 66.55 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 208443   | 84.57 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.233  | 172  | 881526   | 59.98 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 1007211  | 49.23 | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 10) Phenol                  | 6.510  | 94   | 40356    | 3.29  | ng    | 78       |
| 50) Dimethylphthalate       | 9.622  | 163  | 96502    | 5.91  | ng    | # 95     |
| 71) Phenanthrene            | 11.422 | 178  | 54105    | 2.26  | ng    | 97       |
| 75) Fluoranthene            | 12.616 | 202  | 147221   | 5.89  | ng    | 96       |
| 78) Pyrene                  | 12.845 | 202  | 140341   | 4.61  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.033 | 228  | 90777    | 3.37  | ng    | # 89     |
| 83) Chrysene                | 14.074 | 228  | 96425    | 3.55  | ng    | # 94     |
| 88) Benzo(b)fluoranthene    | 15.098 | 252  | 107264m  | 4.30  | ng    |          |
| 90) Benzo(a)pyrene          | 15.468 | 252  | 70472    | 3.24  | ng    | # 87     |
| -----                       |        |      |          |       |       |          |

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

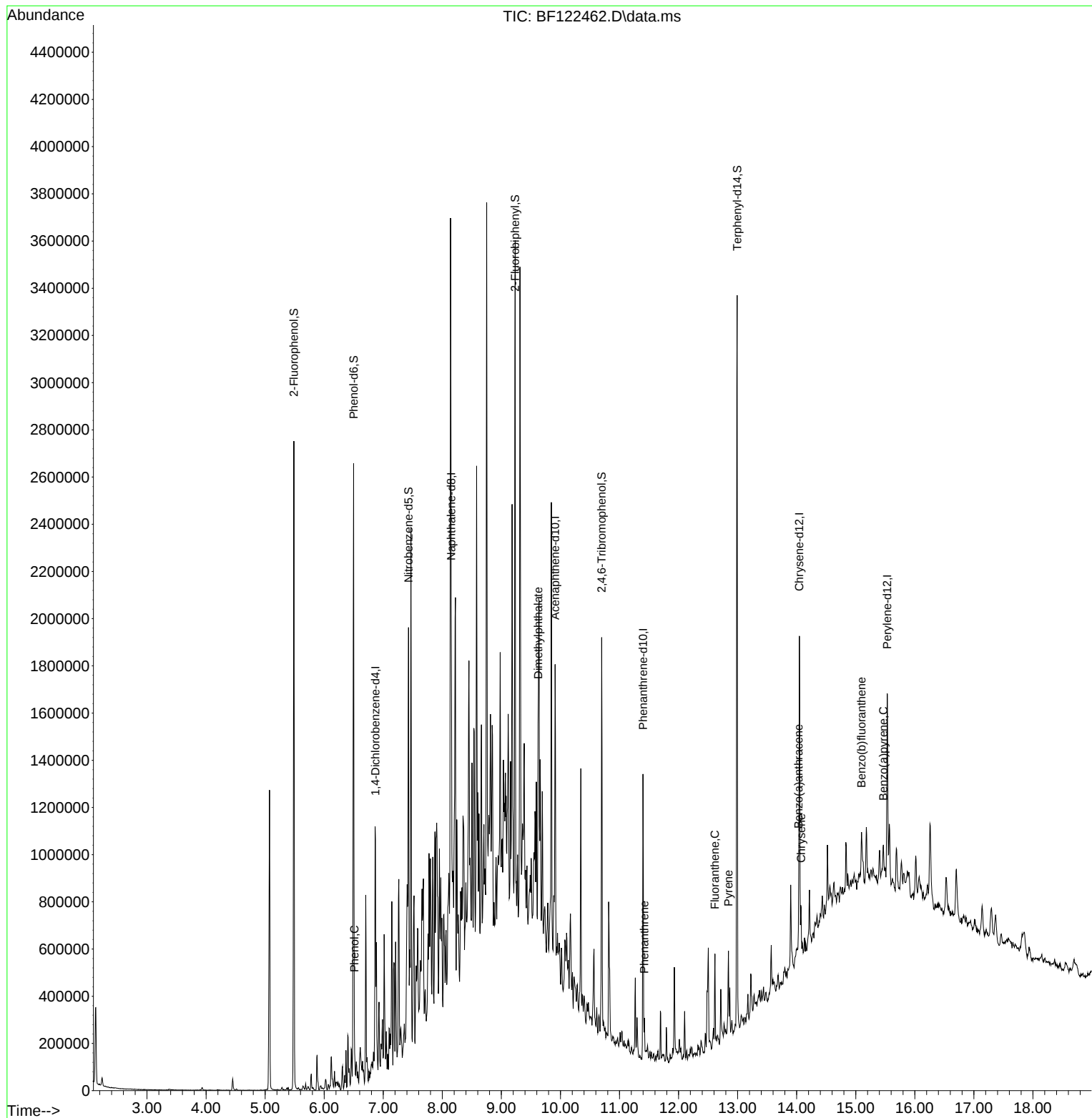
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112320\  
Data File : BF122462.D  
Acq On : 23 Nov 2020 23:03  
Operator : JU/CG  
Sample : L4836-09  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

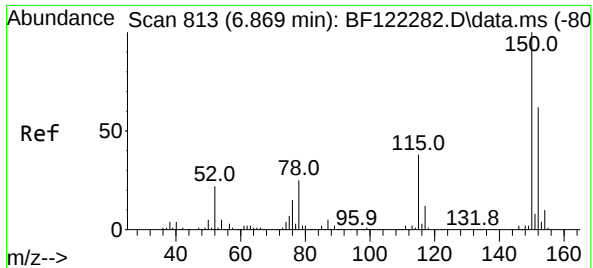
Instrument :  
BNA\_F  
ClientSampleId :  
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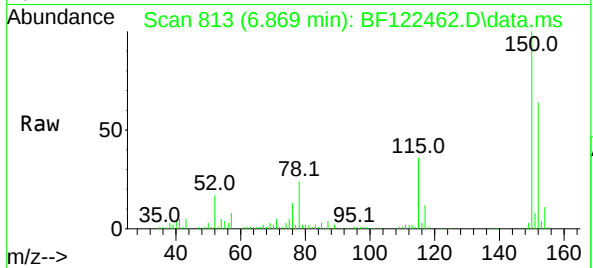
Quant Time: Nov 24 00:28:54 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 20 13:27:02 2020  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

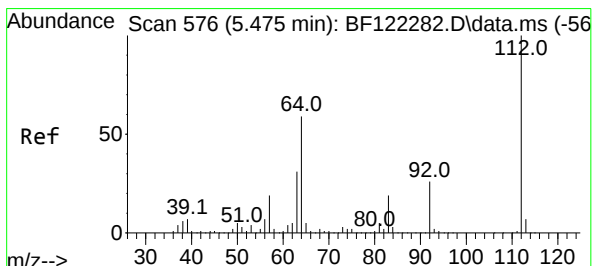
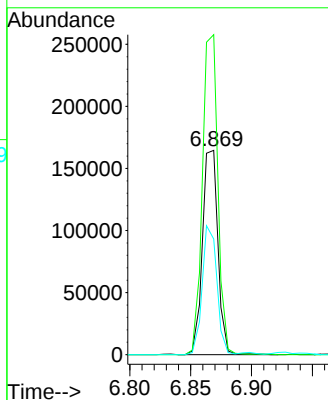
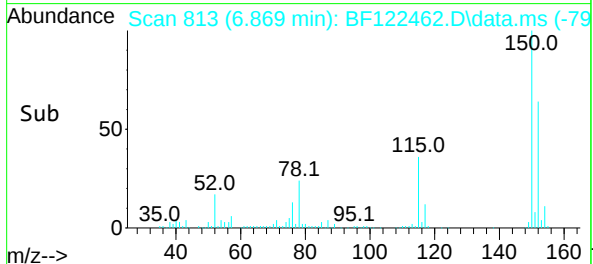
Instrument :  
BNA\_F  
ClientSampled :  
SL-02



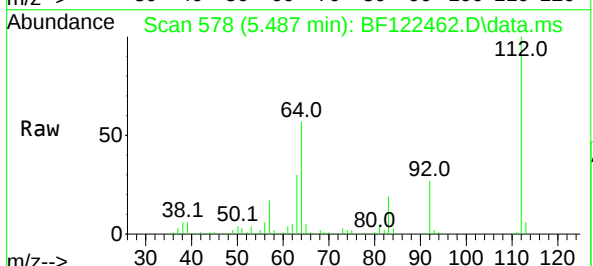
Tgt Ion:152 Resp: 146160  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.3 187.9  
115 56.7 51.9 77.9

Manual Integrations  
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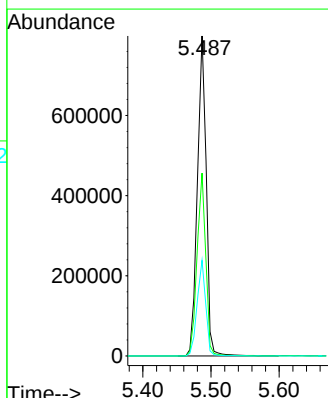
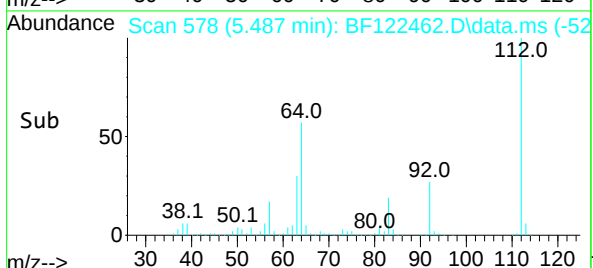
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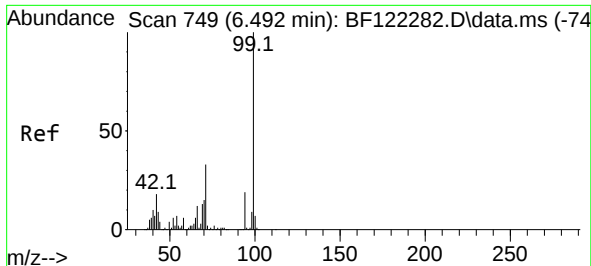


#5  
2-Fluorophenol  
Concen: 75.57 ng  
RT: 5.487 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



Tgt Ion:112 Resp: 719294  
Ion Ratio Lower Upper  
112 100  
64 57.2 50.4 75.6  
63 29.9 25.8 38.6





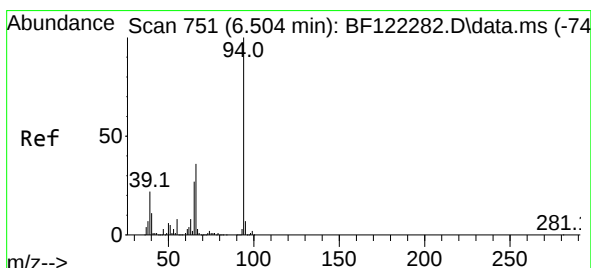
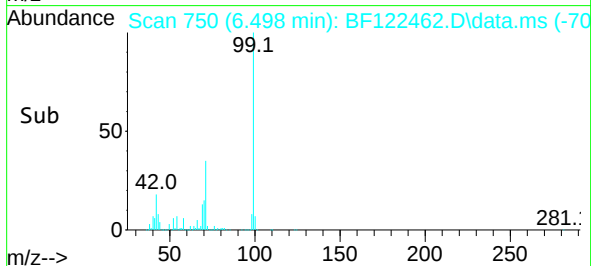
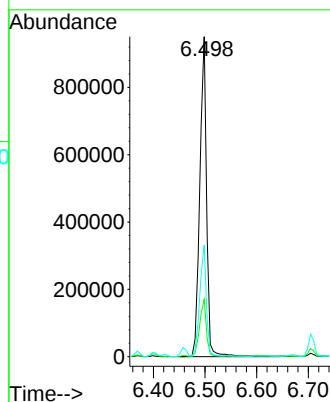
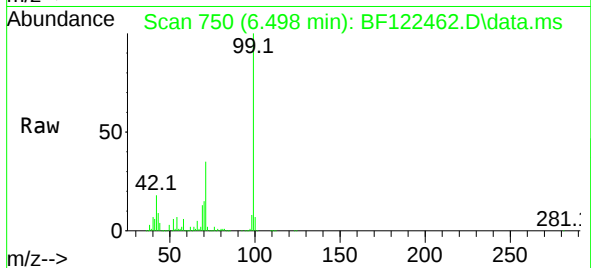
#7  
Phenol-d6  
Concen: 69.81 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

Tgt Ion: 99 Resp: 869250  
Ion Ratio Lower Upper  
99 100  
42 17.9 15.9 23.9  
71 34.9 27.1 40.7

Instrument :  
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ClientSampleId :  
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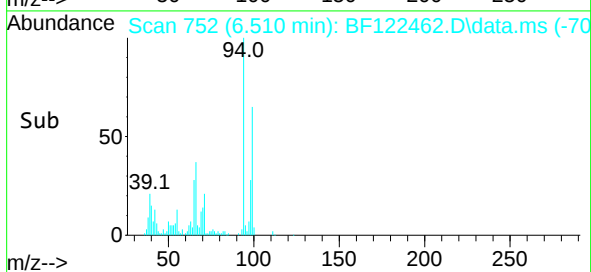
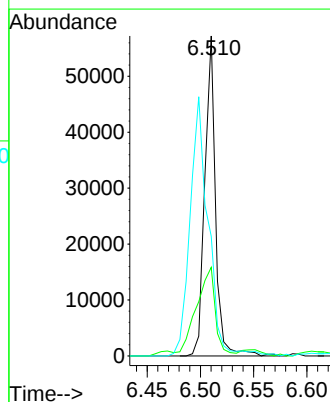
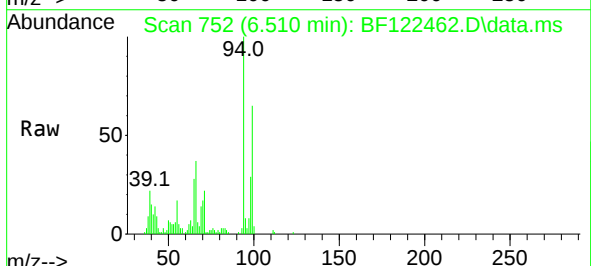
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#10  
Phenol  
Concen: 3.29 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.012 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

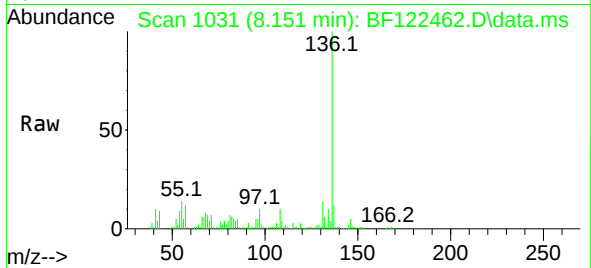
Tgt Ion: 94 Resp: 40356  
Ion Ratio Lower Upper  
94 100  
65 27.7 17.1 57.1  
66 37.4 36.0 76.0





#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

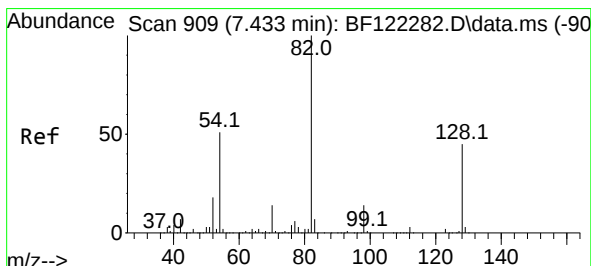
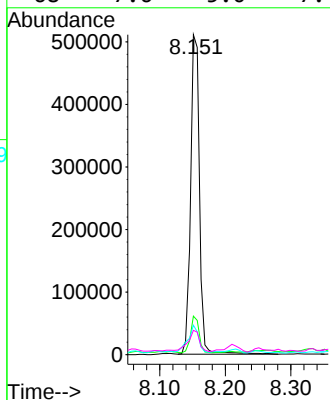
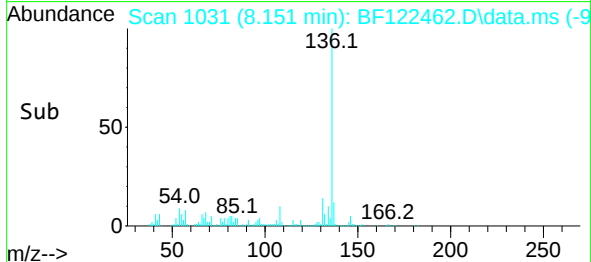
Instrument :  
BNA\_F  
ClientSampleId :  
SL-02



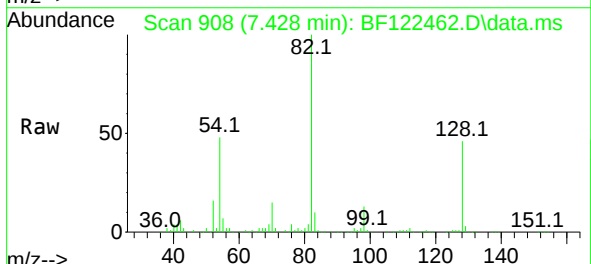
Tgt Ion:136 Resp: 481172  
Ion Ratio Lower Upper  
136 100  
137 12.0 8.6 13.0  
54 9.2 7.1 10.7  
68 7.6 5.0 7.4#

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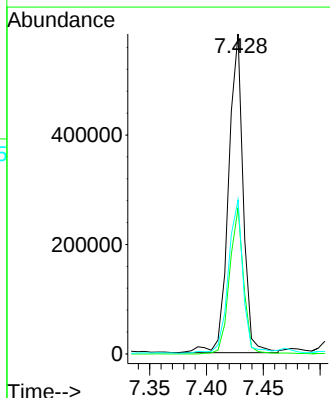
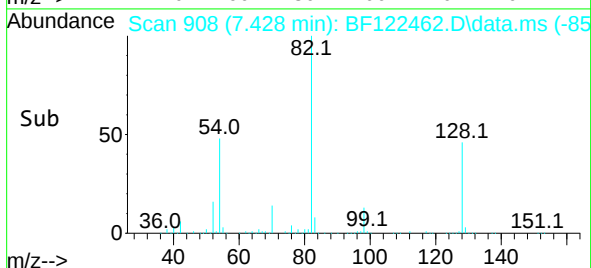
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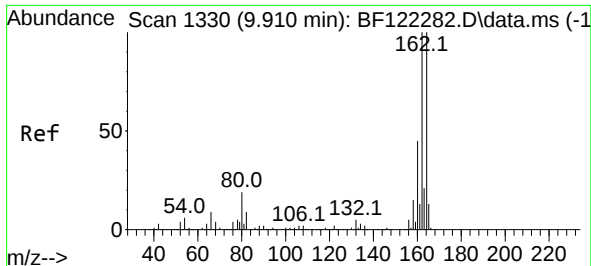


#23  
Nitrobenzene-d5  
Concen: 66.55 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



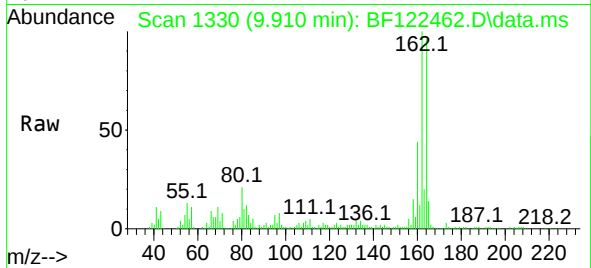
Tgt Ion: 82 Resp: 523099  
Ion Ratio Lower Upper  
82 100  
128 45.6 35.0 52.4  
54 48.2 43.9 65.9





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

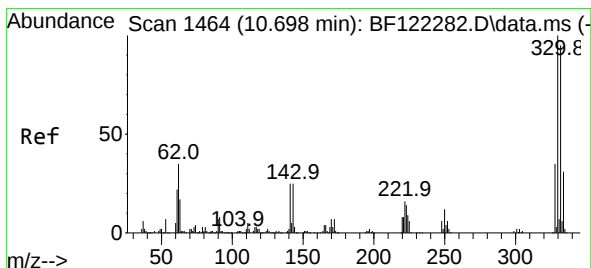
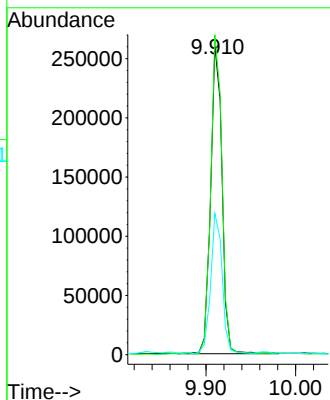
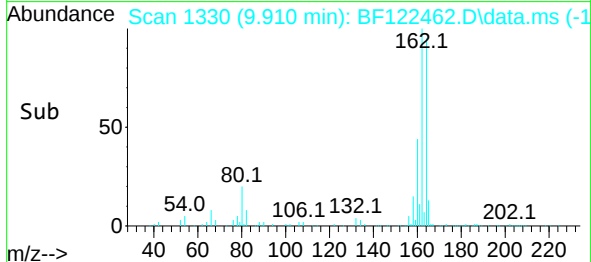
Instrument :  
BNA\_F  
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SL-02



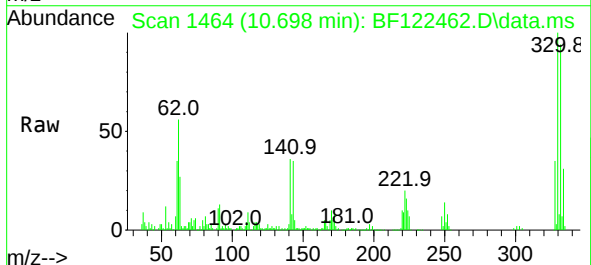
Tgt Ion:164 Resp: 229652  
Ion Ratio Lower Upper  
164 100  
162 103.7 83.2 124.8  
160 45.8 37.5 56.3

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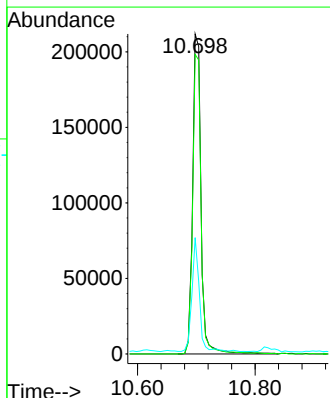
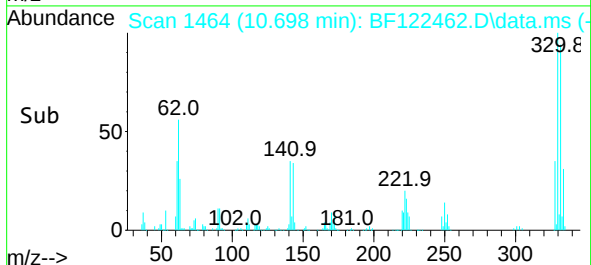
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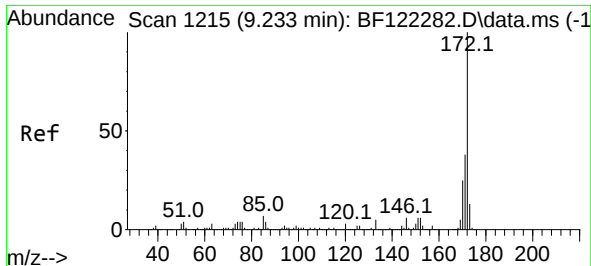


#42  
2,4,6-Tribromophenol  
Concen: 84.57 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



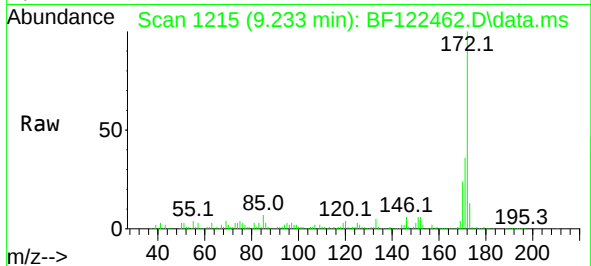
Tgt Ion:330 Resp: 208443  
Ion Ratio Lower Upper  
330 100  
332 94.5 77.3 115.9  
141 31.2 22.3 33.5





#45  
2-Fluorobiphenyl  
Concen: 59.98 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. -0.000 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

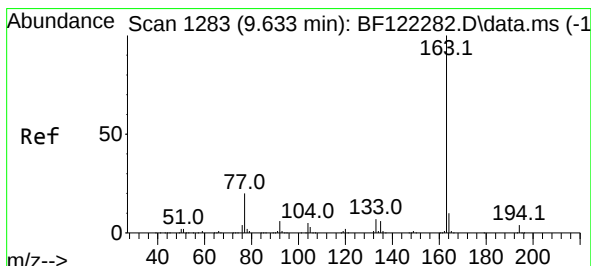
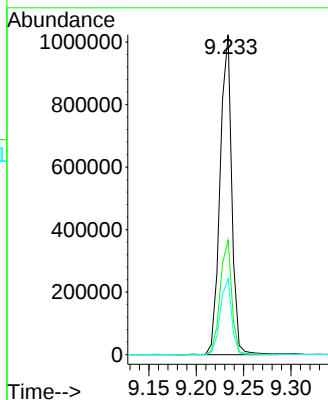
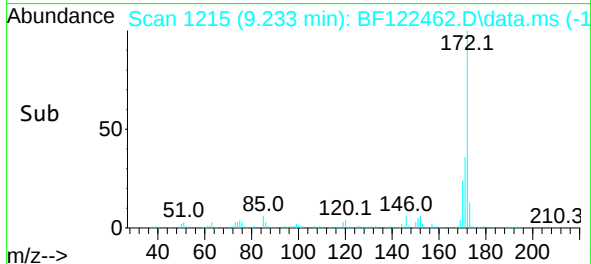
Instrument :  
BNA\_F  
ClientSampled :  
SL-02



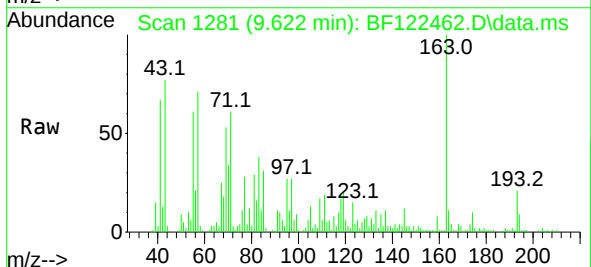
Tgt Ion:172 Resp: 881526  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.1 43.7  
170 23.7 19.8 29.6

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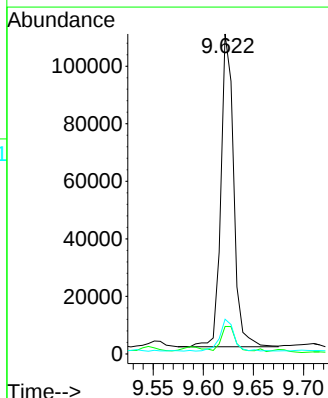
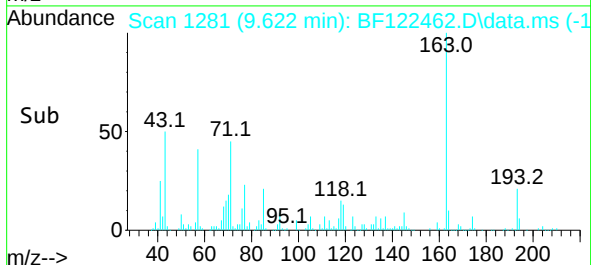
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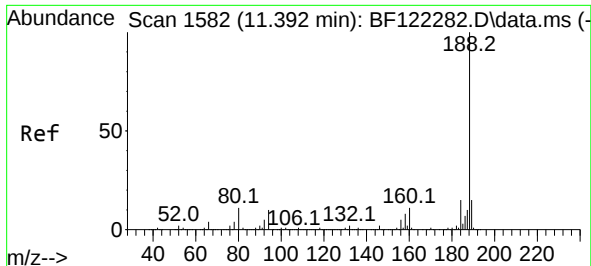


#50  
Dimethylphthalate  
Concen: 5.91 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.018 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



Tgt Ion:163 Resp: 96502  
Ion Ratio Lower Upper  
163 100  
194 8.6 3.3 4.9#  
164 10.8 8.2 12.4





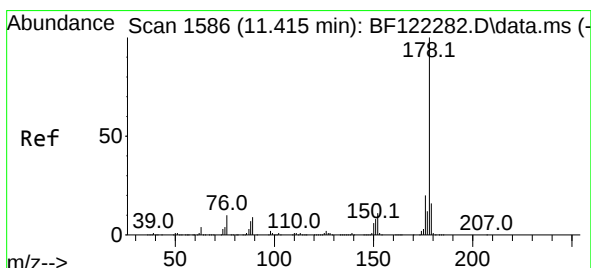
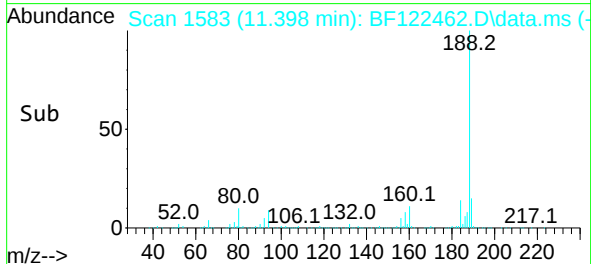
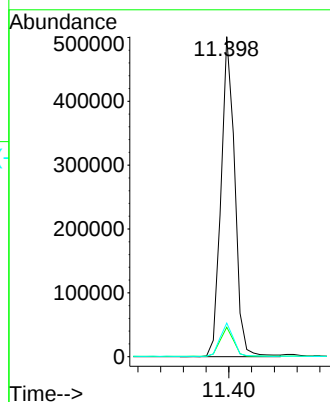
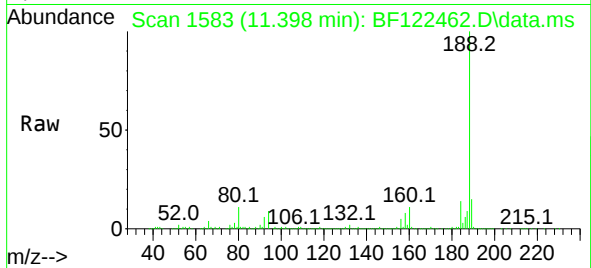
#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

Instrument :  
BNA\_F  
ClientSampled :  
SL-02

Tgt Ion:188 Resp: 421989  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.3 12.5  
80 10.5 9.1 13.7

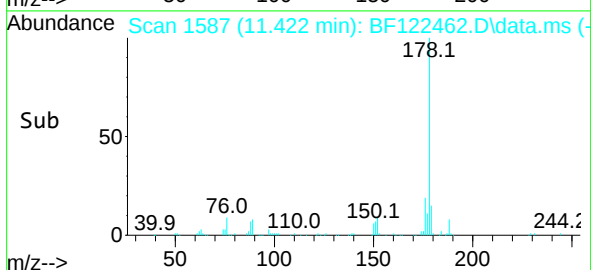
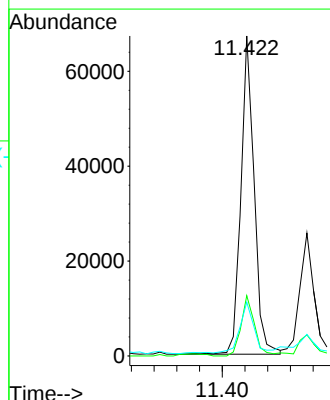
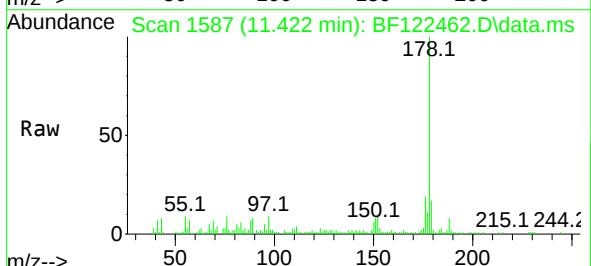
Manual Integrations  
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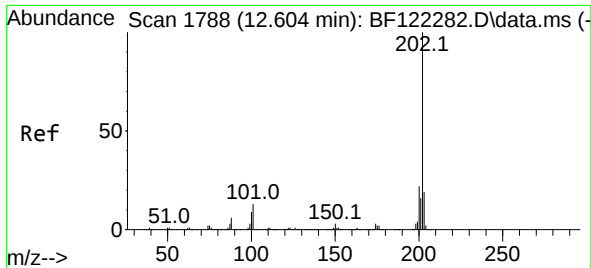
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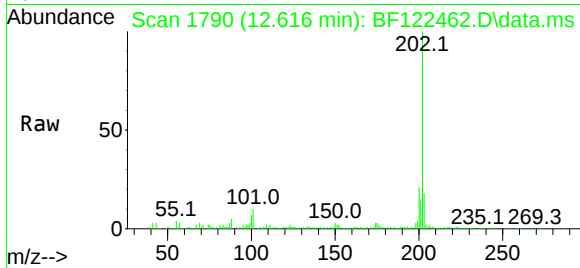
#71  
Phenanthrene  
Concen: 2.26 ng  
RT: 11.422 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

Tgt Ion:178 Resp: 54105  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.9 23.9  
179 16.8 12.2 18.4

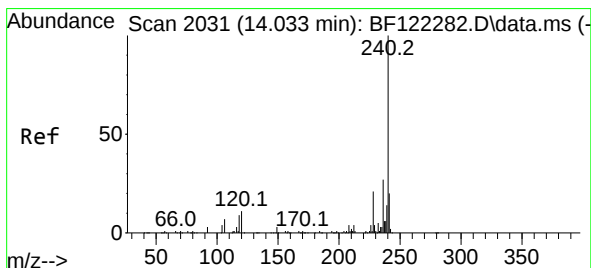
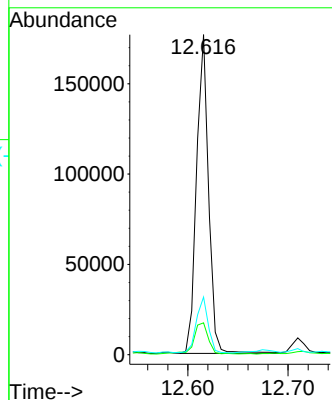
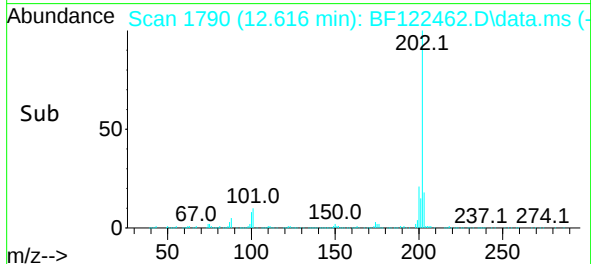




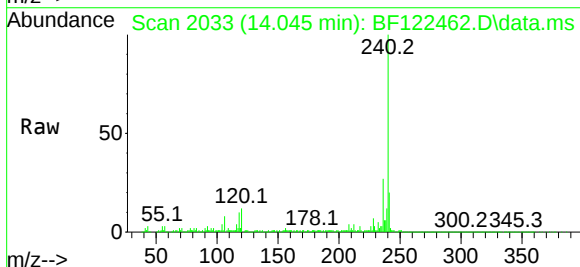
#75  
Fluoranthene  
Concen: 5.89 ng  
RT: 12.616 min Scan# 1790  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



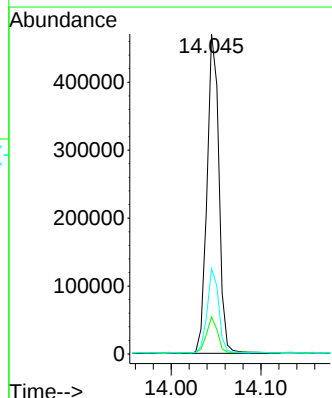
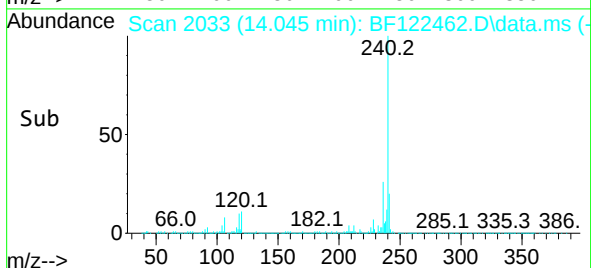
Tgt Ion:202 Resp: 147221  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 33.4  
203 18.0 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



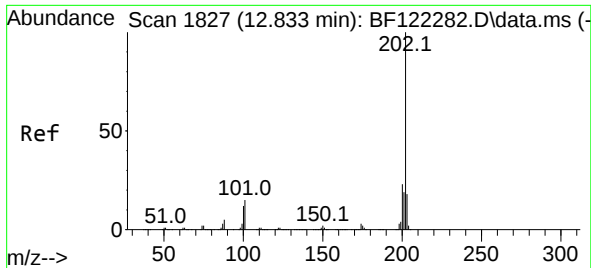
Tgt Ion:240 Resp: 433417  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.2 13.8  
236 26.7 20.9 31.3



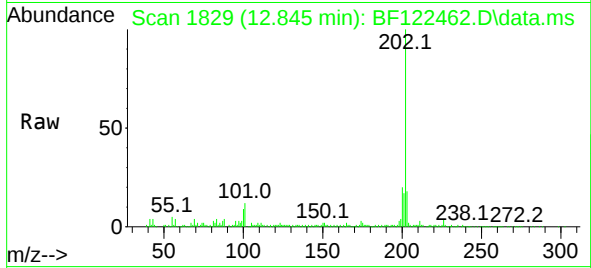
Instrument :  
BNA\_F  
ClientSampleId :  
SL-02

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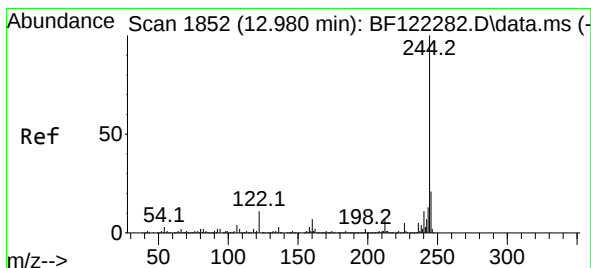
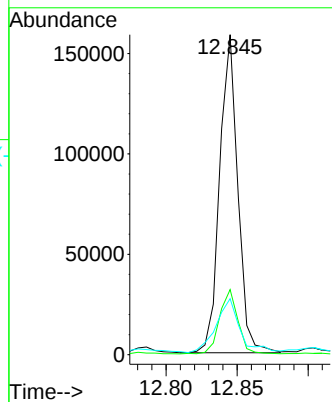
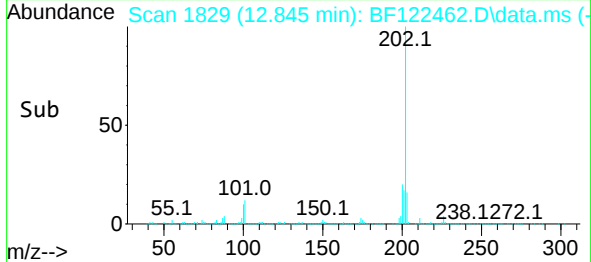
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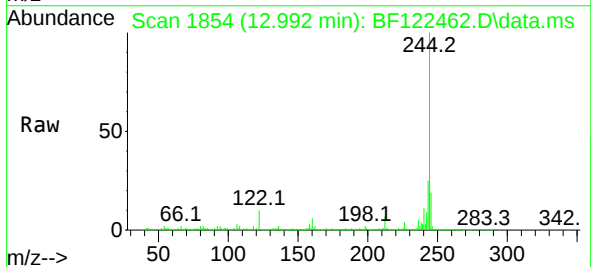
#78  
Pyrene  
Concen: 4.61 ng  
RT: 12.845 min Scan# 1829  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



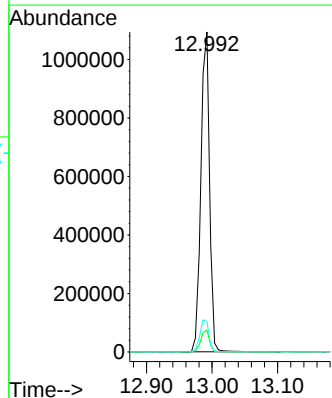
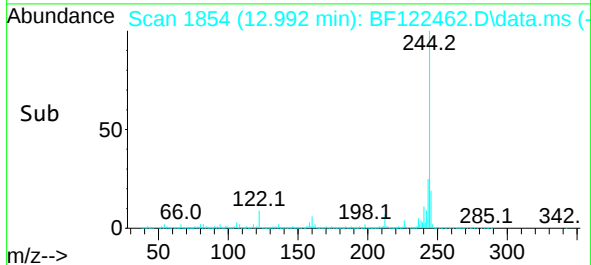
Tgt Ion:202 Resp: 140341  
Ion Ratio Lower Upper  
202 100  
200 20.4 17.4 26.2  
203 17.5 14.6 21.8



#79  
Terphenyl-d14  
Concen: 49.23 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03



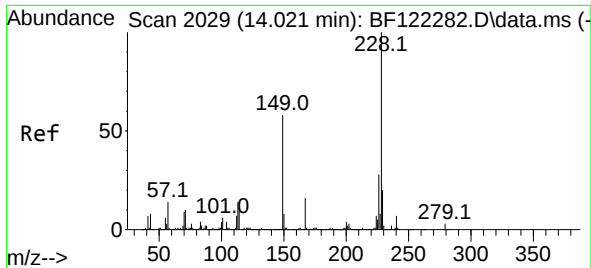
Tgt Ion:244 Resp: 1007211  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.4 8.2  
122 9.5 8.1 12.1



Instrument :  
BNA\_F  
ClientSampled :  
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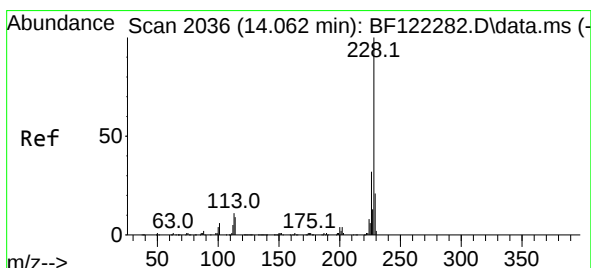
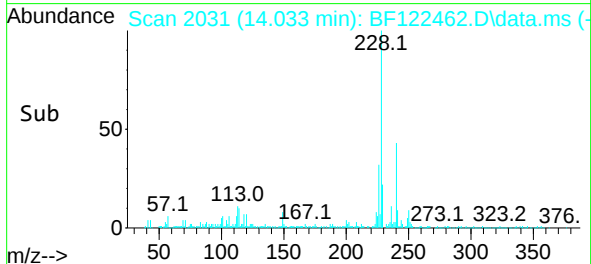
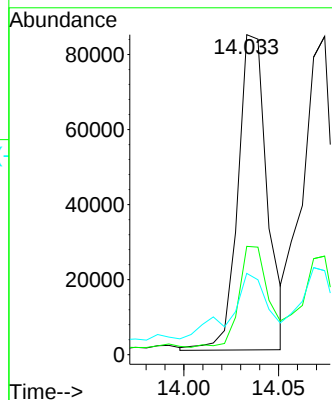
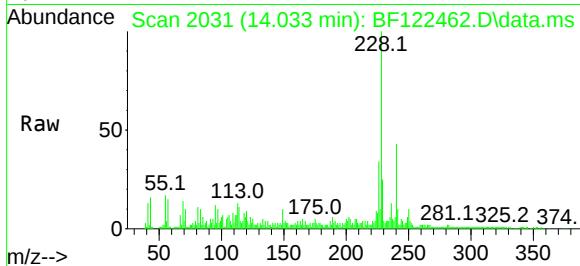
#81  
Benzo(a)anthracene  
Concen: 3.37 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

Tgt Ion:228 Resp: 90777  
Ion Ratio Lower Upper  
228 100  
226 33.9 22.3 33.5#  
229 25.4 16.2 24.4#

Instrument :  
BNA\_F  
ClientSampled :  
SL-02

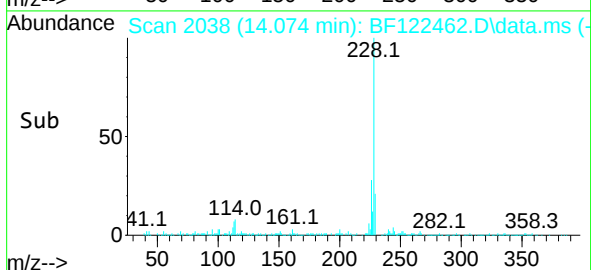
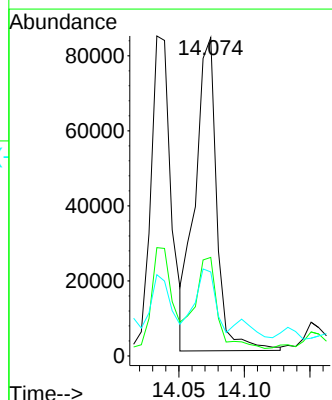
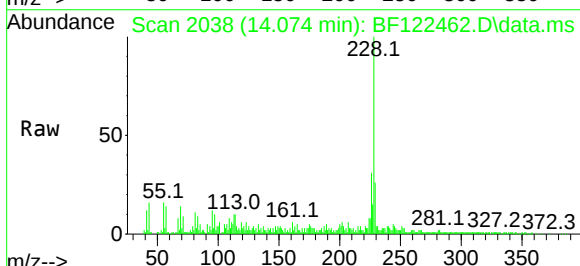
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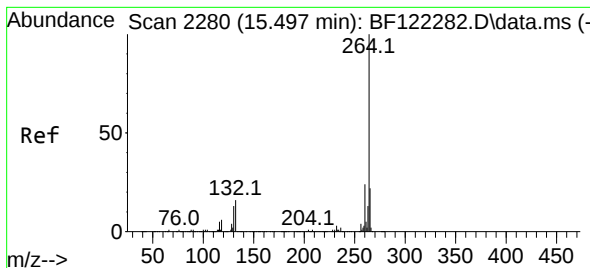
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#83  
Chrysene  
Concen: 3.55 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.006 min  
Lab File: BF122462.D  
Acq: 23 Nov 2020 23:03

Tgt Ion:228 Resp: 96425  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.6 37.0  
229 26.4 15.9 23.9#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.533 min Scan# 2286

Delta R.T. -0.000 min

Lab File: BF122462.D

Acq: 23 Nov 2020 23:03

Tgt Ion:264 Resp: 384808

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 23.1 17.3 25.9

Instrument :

BNA\_F

ClientSampled :

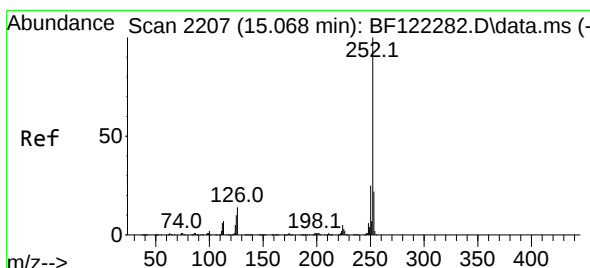
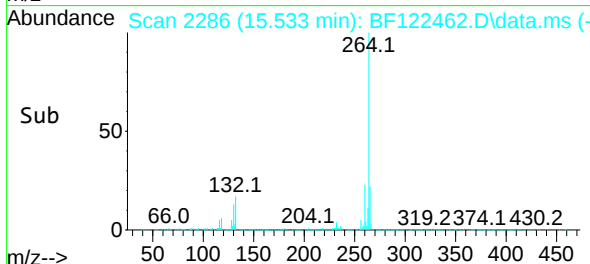
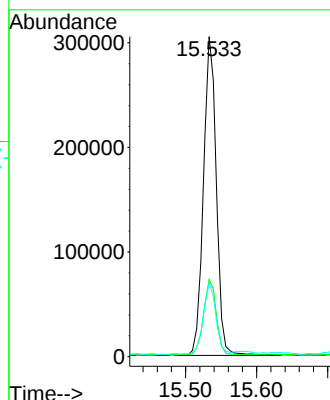
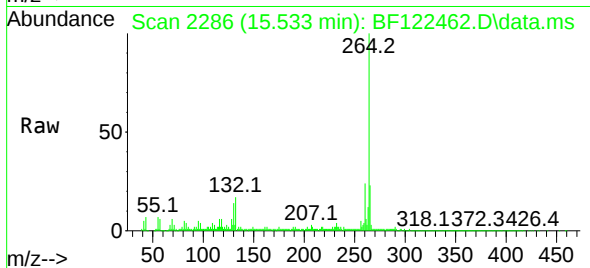
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#88

Benzo(b)fluoranthene

Concen: 4.30 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF122462.D

Acq: 23 Nov 2020 23:03

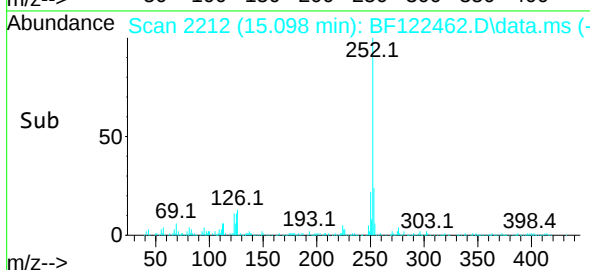
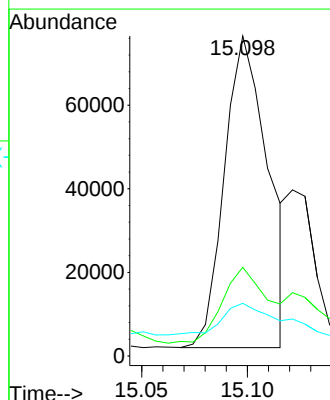
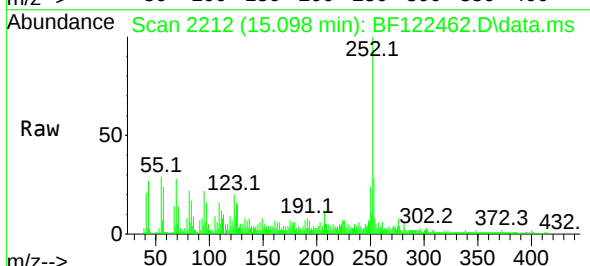
Tgt Ion:252 Resp: 107264

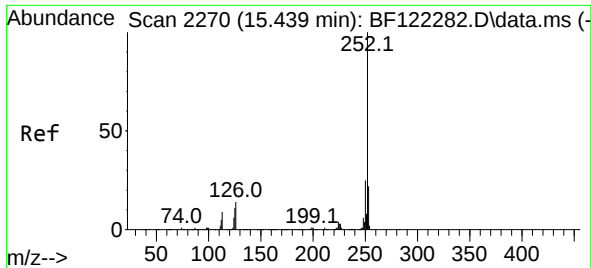
Ion Ratio Lower Upper

252 100

253 27.7 18.2 27.2#

125 16.4 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.24 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF122462.D

Acq: 23 Nov 2020 23:03

Tgt Ion:252 Resp: 70472

Ion Ratio Lower Upper

252 100

253 26.6 17.3 25.9#

125 17.6 8.6 13.0#

Instrument :

BNA\_F

ClientSampled :

SL-02

Manual Integrations

APPROVED

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