

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121724\  
 Data File : BF140887.D  
 Acq On : 17 Dec 2024 16:04  
 Operator : RC/JU  
 Sample : P5220-03RE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GAS-AUD-1610-1611-1612RE

Quant Time: Dec 17 16:53:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 16 16:59:50 2024  
 Response via : Initial Calibration

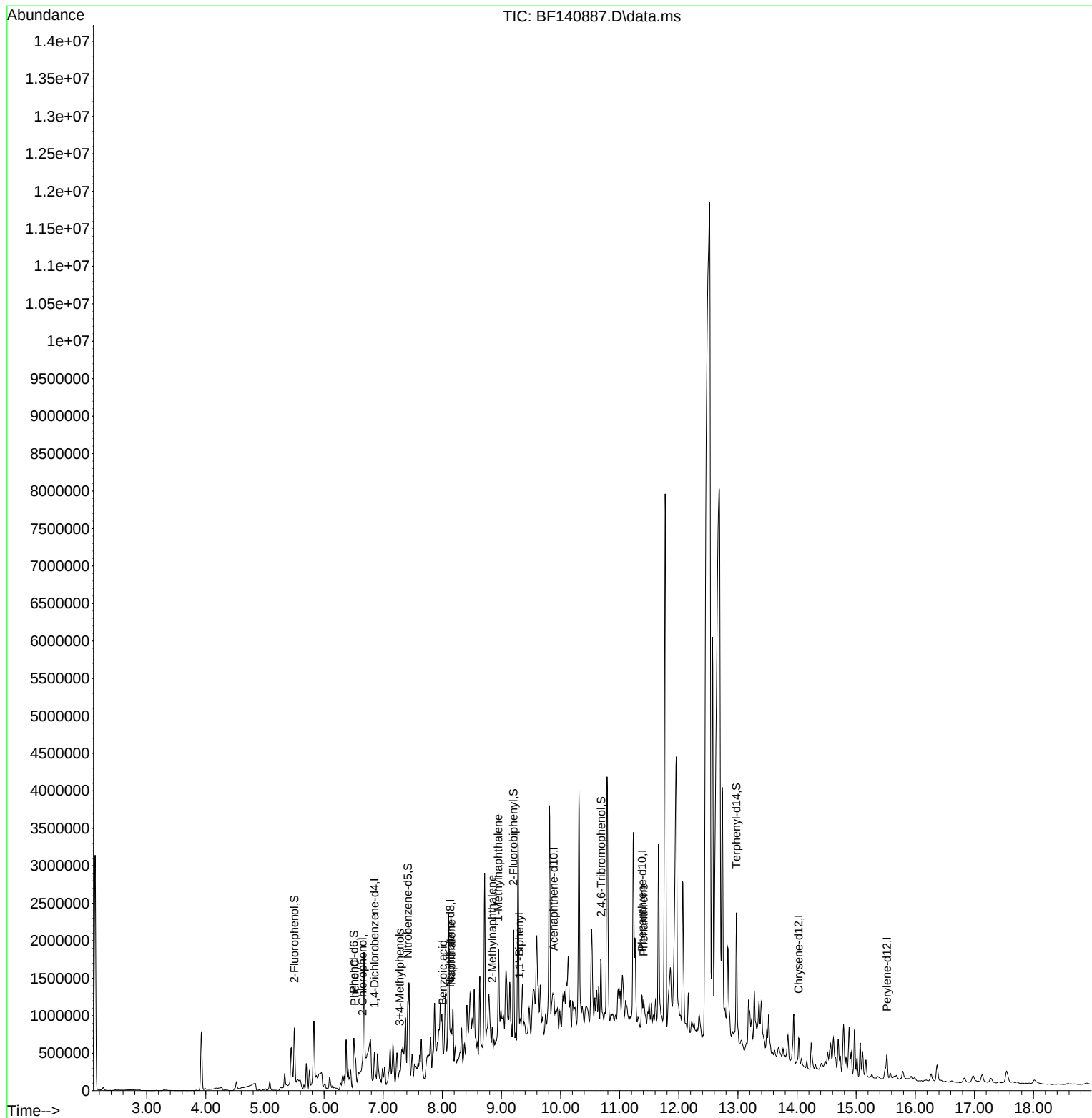
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.851  | 152  | 51519    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.134  | 136  | 186712   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.886  | 164  | 106074   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.380 | 188  | 179367   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.027 | 240  | 169059   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.521 | 264  | 180738   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.498  | 112  | 290169   | 92.718  | ng    | 0.01     |
| 7) Phenol-d6                | 6.504  | 99   | 264889   | 63.903  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.416  | 82   | 328752   | 88.092  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.686 | 330  | 159557   | 127.182 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.204  | 172  | 651168   | 84.399  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.974 | 244  | 830530   | 77.466  | ng    | 0.02     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 8) 2-Chlorophenol           | 6.651  | 128  | 39565    | 11.593  | ng    | 100      |
| 10) Phenol                  | 6.516  | 94   | 128770   | 29.973  | ng    | 80       |
| 20) 3+4-Methylphenols       | 7.281  | 107  | 20041    | 5.547   | ng    | # 63     |
| 31) Naphthalene             | 8.151  | 128  | 103865   | 10.127  | ng    | # 89     |
| 32) Benzoic acid            | 8.010  | 122  | 89372    | 45.825  | ng    | 95       |
| 37) 2-Methylnaphthalene     | 8.845  | 142  | 133026   | 19.607  | ng    | 100      |
| 38) 1-Methylnaphthalene     | 8.945  | 142  | 83212    | 12.402  | ng    | 91       |
| 46) 1,1'-Biphenyl           | 9.304  | 154  | 44857    | 5.318   | ng    | 98       |
| 71) Phenanthrene            | 11.404 | 178  | 30859    | 3.346   | ng    | # 80     |
| -----                       |        |      |          |         |       |          |

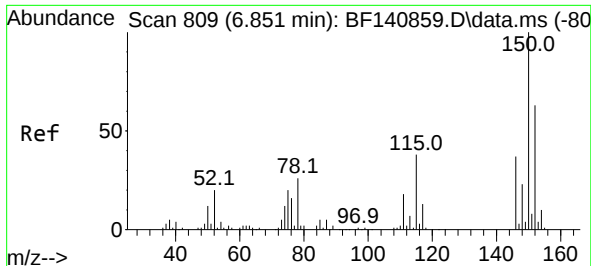
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121724\  
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GAS-AUD-1610-1611-1612RE

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QLast Update : Mon Dec 16 16:59:50 2024  
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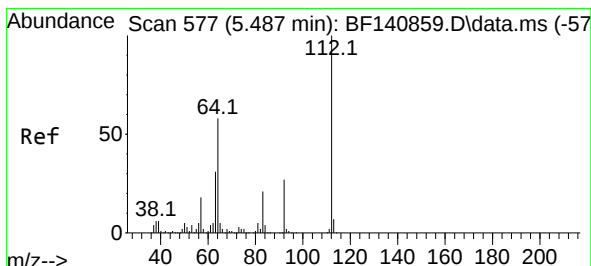
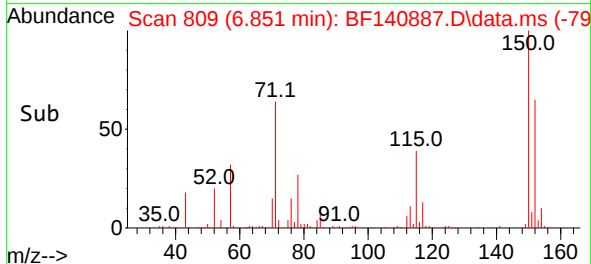
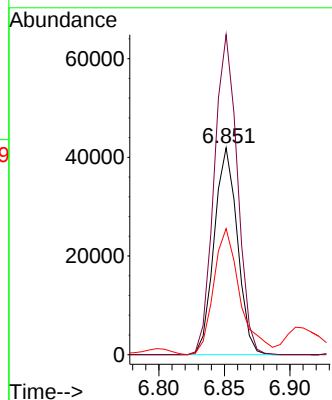
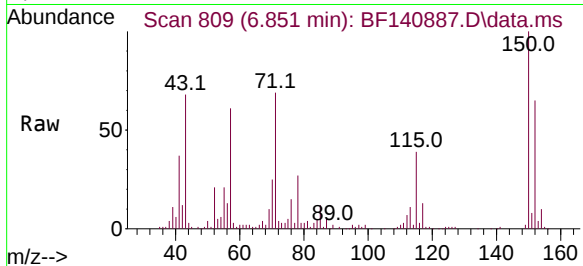




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 809  
Delta R.T. 0.000 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

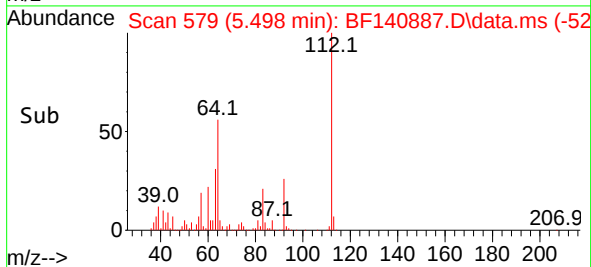
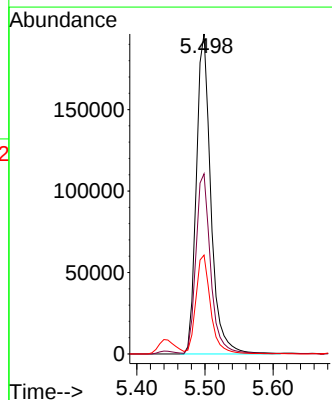
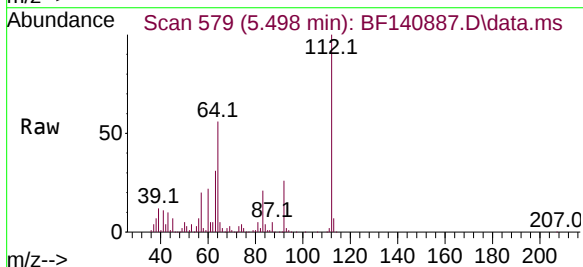
Instrument :  
BNA\_F  
ClientSampleId :  
GAS-AUD-1610-1611-1612RE

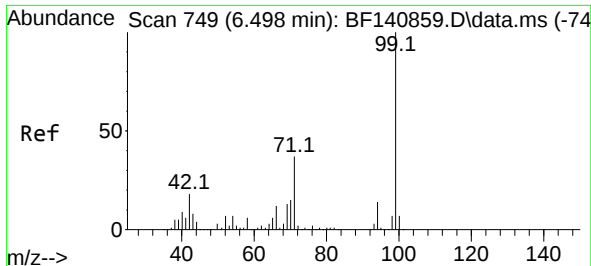
Tgt Ion:152 Resp: 51519  
Ion Ratio Lower Upper  
152 100  
150 154.7 127.9 191.9  
115 61.0 48.0 72.0



#5  
2-Fluorophenol  
Concen: 92.718 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.012 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

Tgt Ion:112 Resp: 290169  
Ion Ratio Lower Upper  
112 100  
64 56.3 46.1 69.1  
63 30.9 24.9 37.3





#7

Phenol-d6

Concen: 63.903 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

Instrument :

BNA\_F

ClientSampleId :

GAS-AUD-1610-1611-1612RE

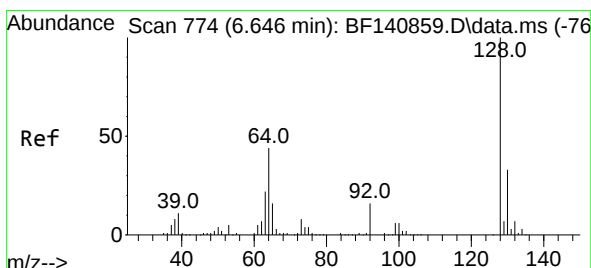
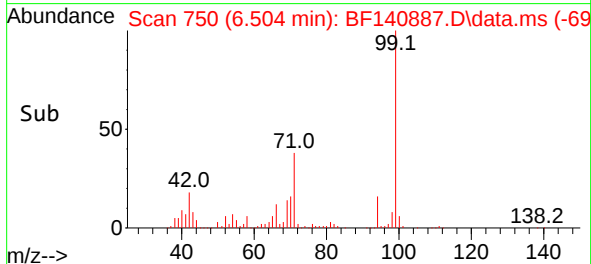
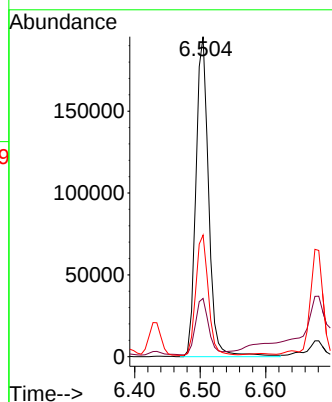
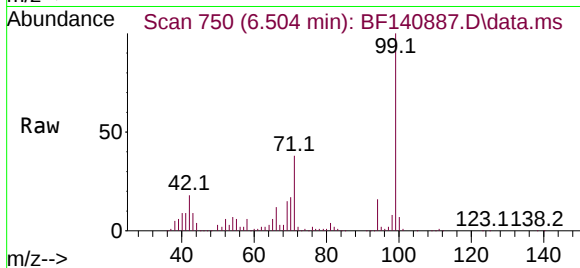
Tgt Ion: 99 Resp: 264889

Ion Ratio Lower Upper

99 100

42 18.2 14.3 21.5

71 38.0 29.9 44.9



#8

2-Chlorophenol

Concen: 11.593 ng

RT: 6.651 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

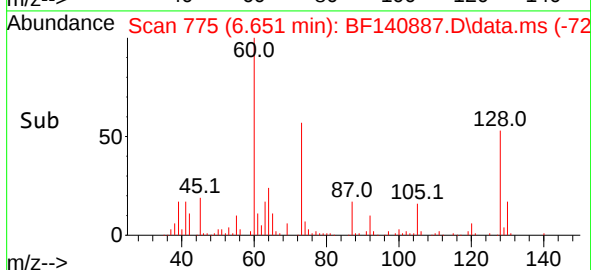
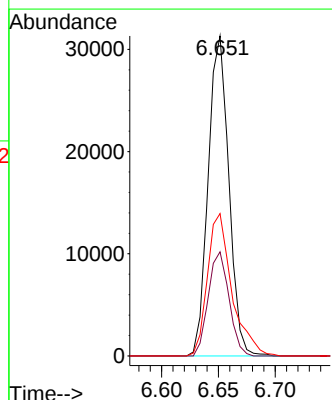
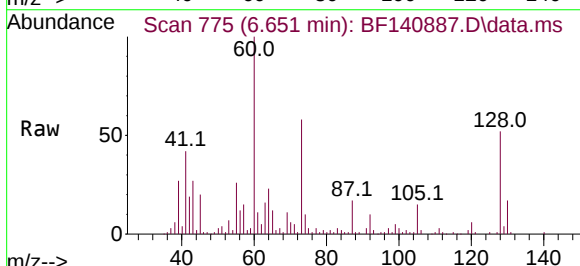
Tgt Ion:128 Resp: 39565

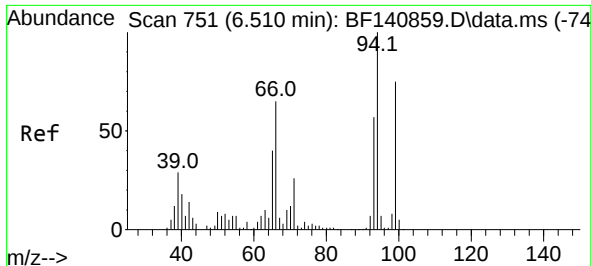
Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

64 44.5 24.3 64.3

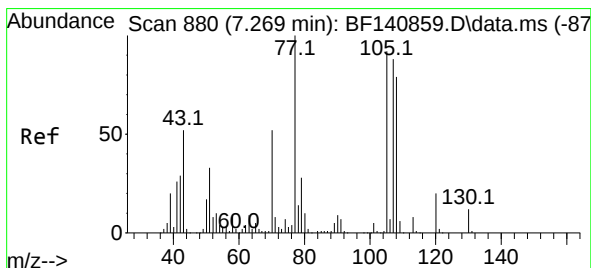
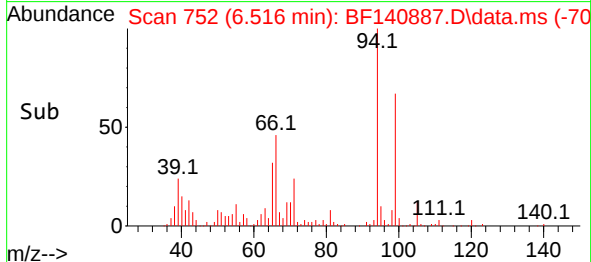
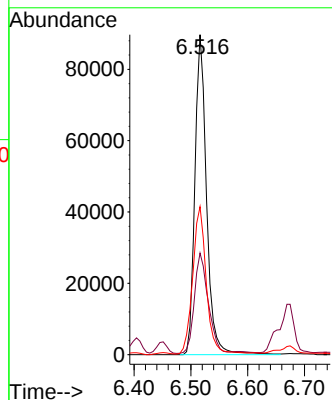
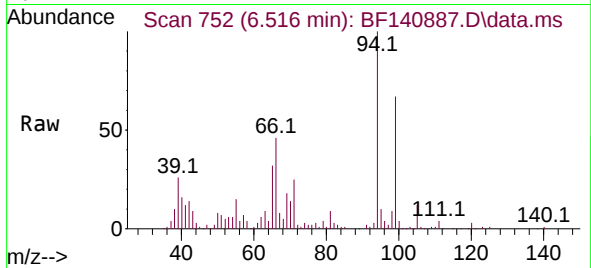




#10  
Phenol  
Concen: 29.973 ng  
RT: 6.516 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

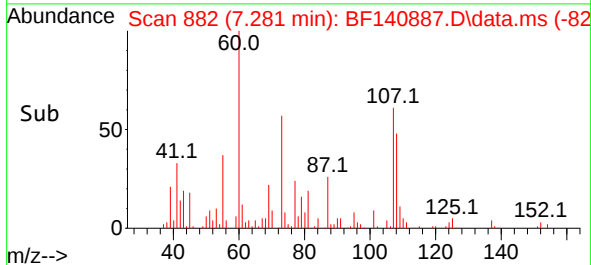
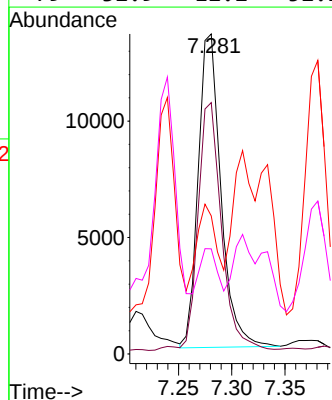
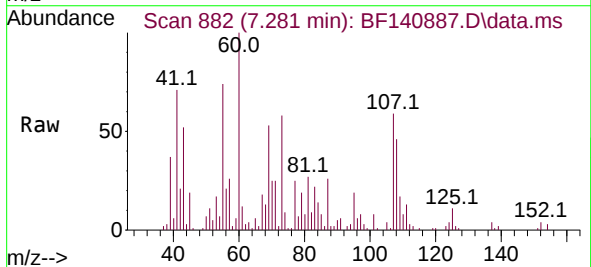
Instrument :  
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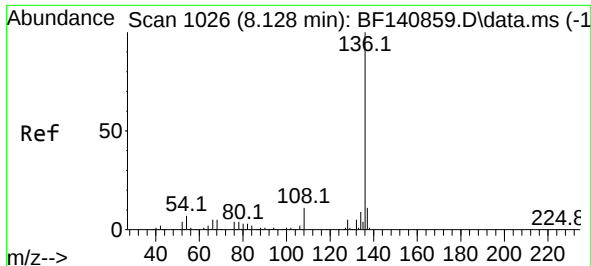
Tgt Ion: 94 Resp: 128770  
Ion Ratio Lower Upper  
94 100  
65 31.8 19.9 59.9  
66 46.2 45.6 85.6



#20  
3+4-Methylphenols  
Concen: 5.547 ng  
RT: 7.281 min Scan# 882  
Delta R.T. 0.012 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

Tgt Ion: 107 Resp: 20041  
Ion Ratio Lower Upper  
107 100  
108 78.5 70.1 110.1  
77 43.2 94.4 134.4#  
79 32.9 12.2 52.2



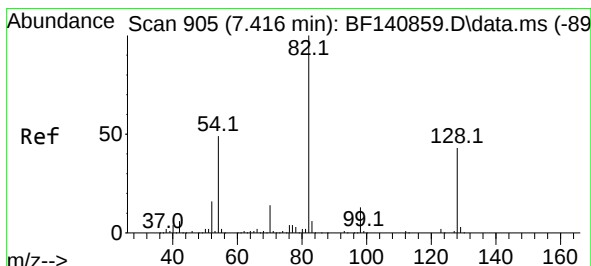
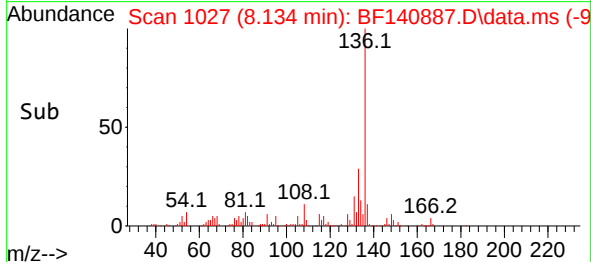
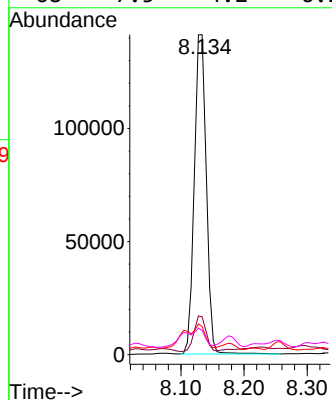
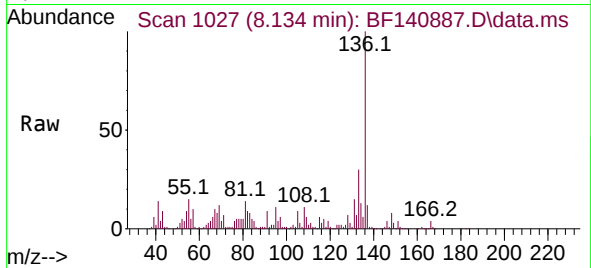


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.134 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

Instrument :  
BNA\_F  
ClientSampleId :  
GAS-AUD-1610-1611-1612RE

Tgt Ion:136 Resp: 186712

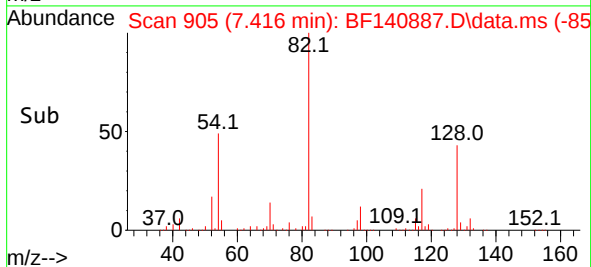
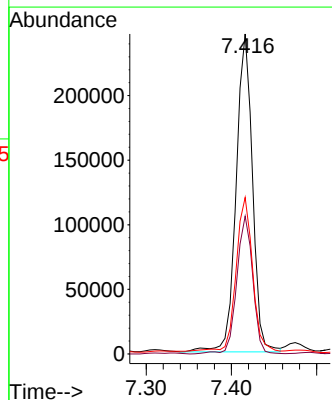
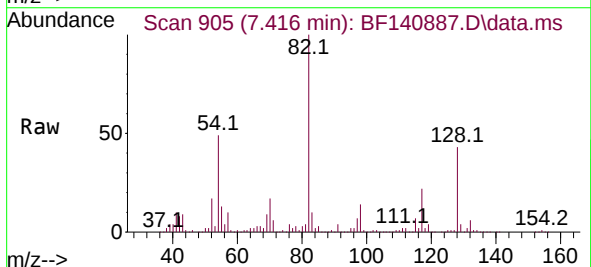
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.8  | 9.0   | 13.4  |
| 54  | 8.8   | 5.6   | 8.4#  |
| 68  | 7.5   | 4.2   | 6.2#  |

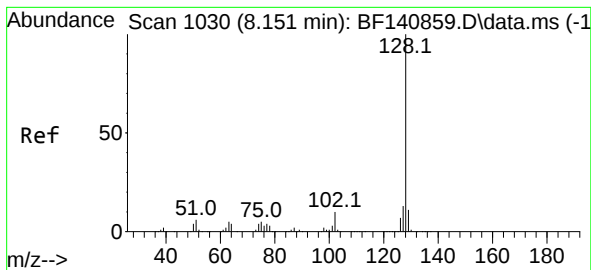


#23  
Nitrobenzene-d5  
Concen: 88.092 ng  
RT: 7.416 min Scan# 905  
Delta R.T. -0.000 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

Tgt Ion: 82 Resp: 328752

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.0  | 34.4  | 51.6  |
| 54  | 48.9  | 38.8  | 58.2  |





#31

Naphthalene

Concen: 10.127 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140887.D

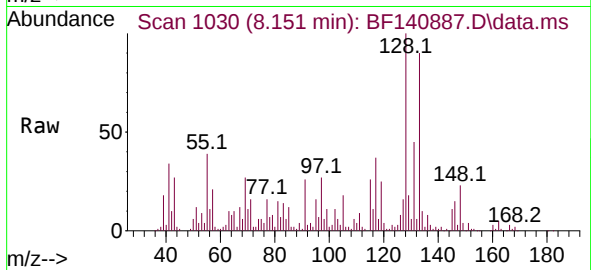
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Instrument :

BNA\_F

ClientSampleId :

GAS-AUD-1610-1611-1612RE



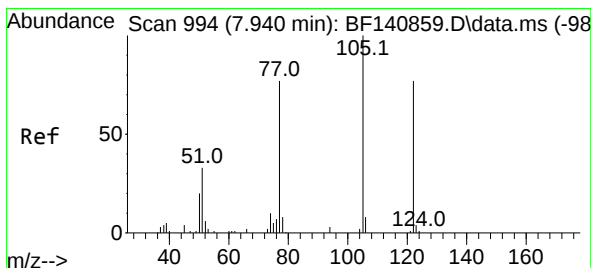
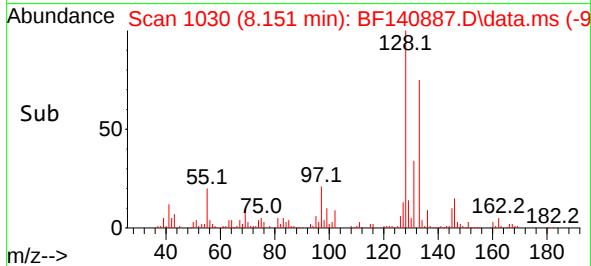
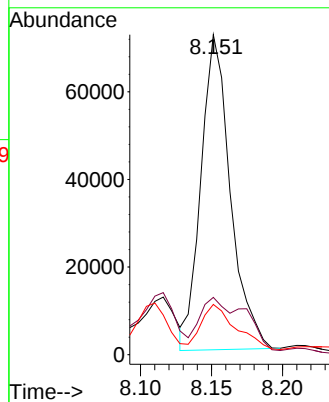
Tgt Ion:128 Resp: 103865

Ion Ratio Lower Upper

128 100

129 17.9 8.9 13.3#

127 15.7 10.6 16.0



#32

Benzoic acid

Concen: 45.825 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.070 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

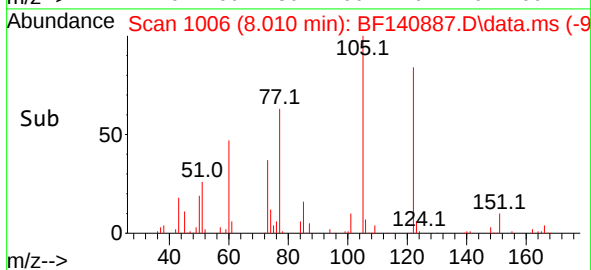
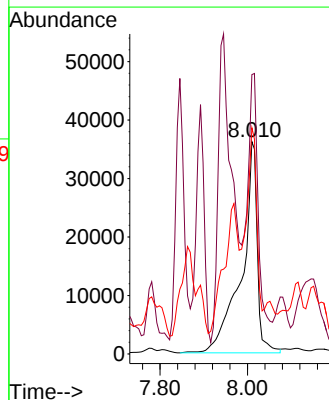
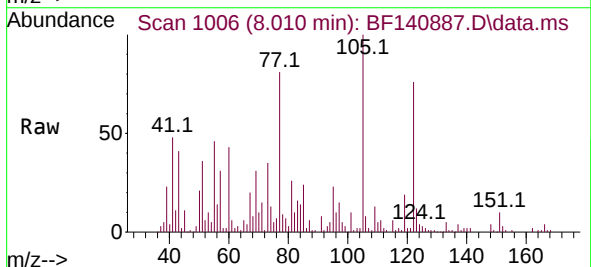
Tgt Ion:122 Resp: 89372

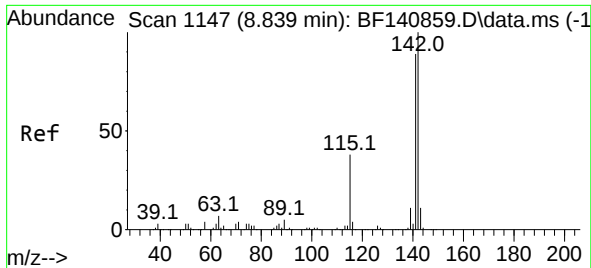
Ion Ratio Lower Upper

122 100

105 131.7 108.3 148.3

77 106.6 78.8 118.8

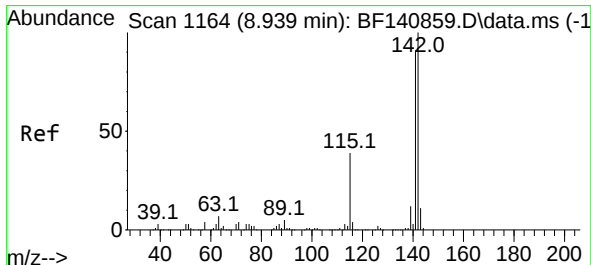
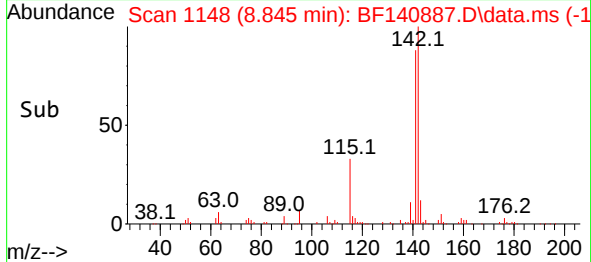
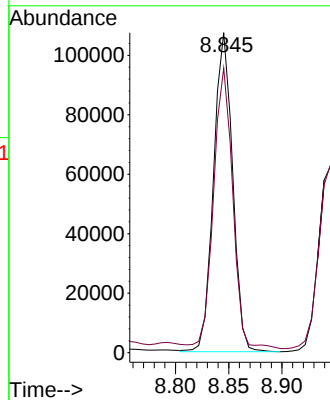
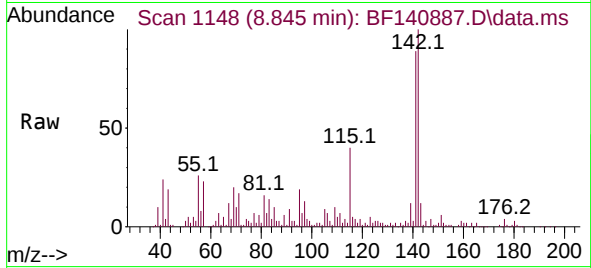




#37  
2-Methylnaphthalene  
Concen: 19.607 ng  
RT: 8.845 min Scan# 1147  
Delta R.T. 0.006 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

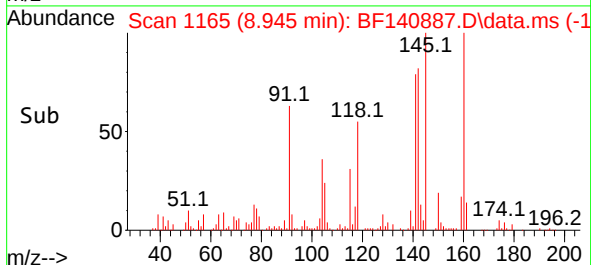
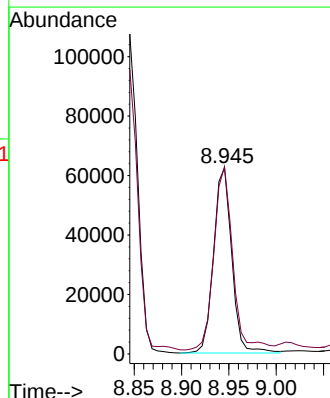
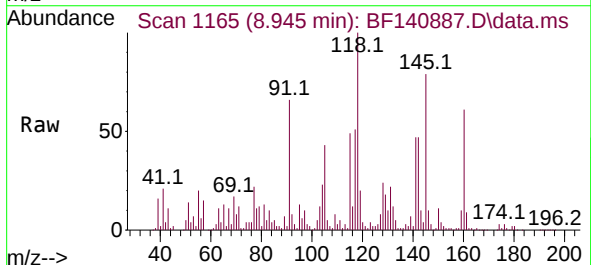
Instrument :  
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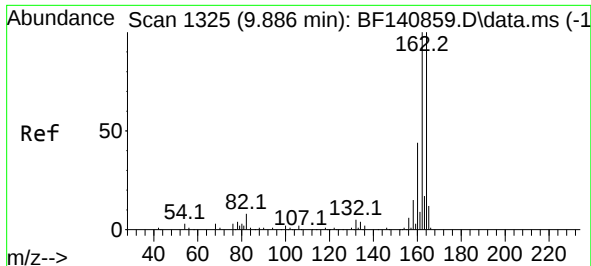
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Ion Ratio Lower Upper  
142 100  
141 89.0 71.0 106.6



#38  
1-Methylnaphthalene  
Concen: 12.402 ng  
RT: 8.945 min Scan# 1165  
Delta R.T. 0.006 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

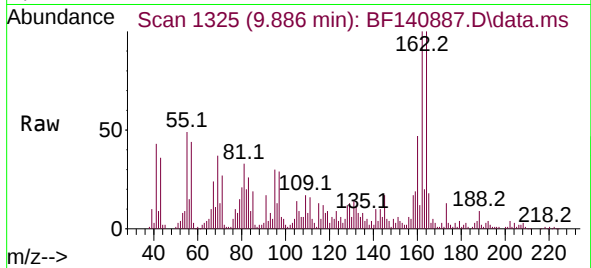
Tgt Ion:142 Resp: 83212  
Ion Ratio Lower Upper  
142 100  
141 100.6 73.4 110.0



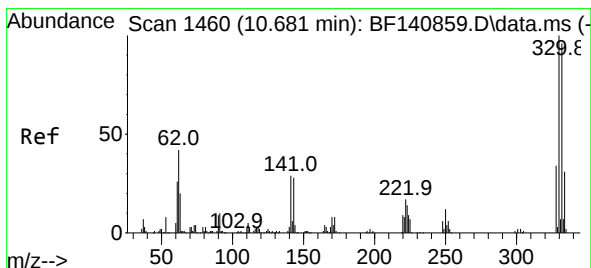
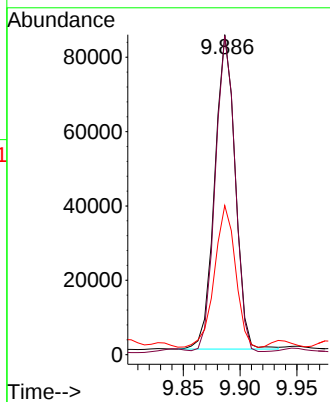
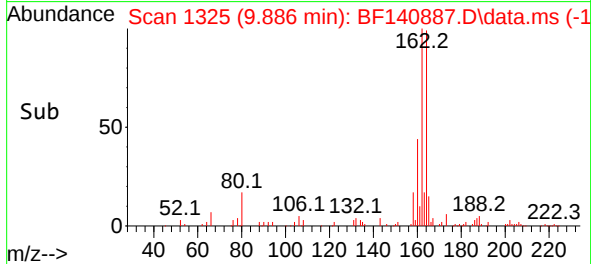


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.886 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

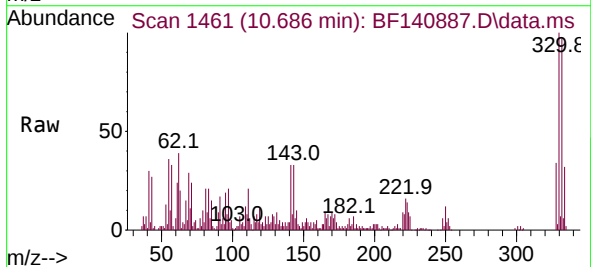
Instrument :  
BNA\_F  
ClientSampleId :  
GAS-AUD-1610-1611-1612RE



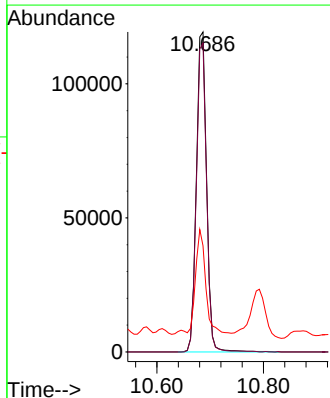
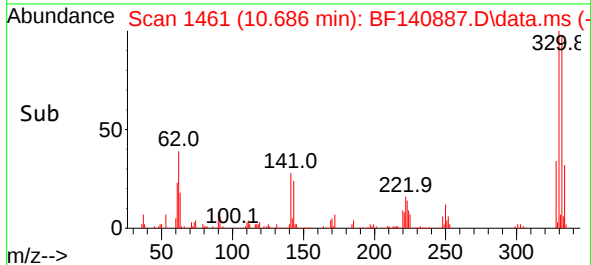
Tgt Ion:164 Resp: 106074  
Ion Ratio Lower Upper  
164 100  
162 99.7 79.9 119.9  
160 46.6 35.2 52.8

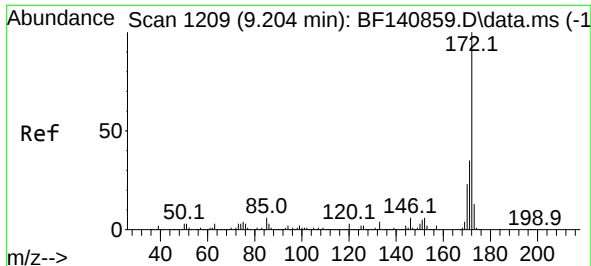


#42  
2,4,6-Tribromophenol  
Concen: 127.182 ng  
RT: 10.686 min Scan# 1461  
Delta R.T. 0.006 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04



Tgt Ion:330 Resp: 159557  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.2 114.4  
141 31.1 24.9 37.3

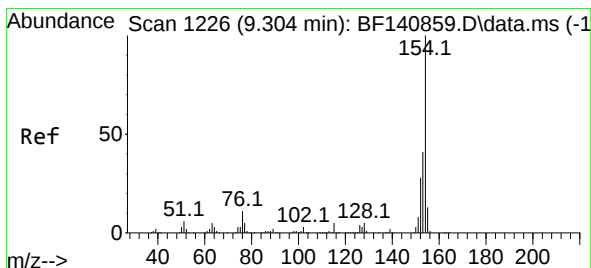
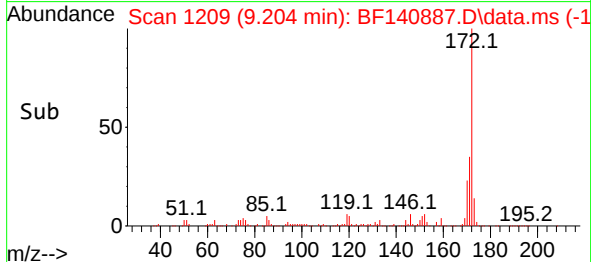
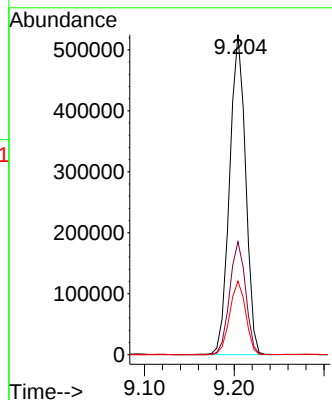
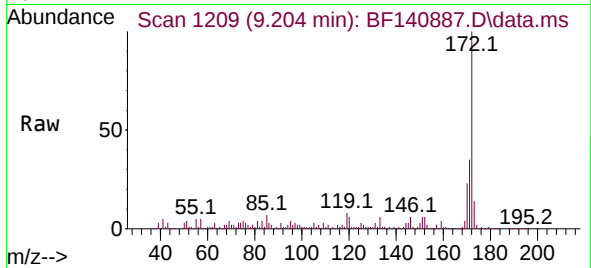




#45  
2-Fluorobiphenyl  
Concen: 84.399 ng  
RT: 9.204 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

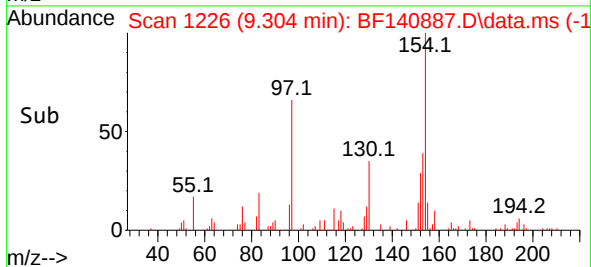
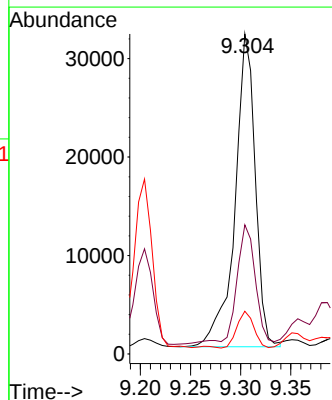
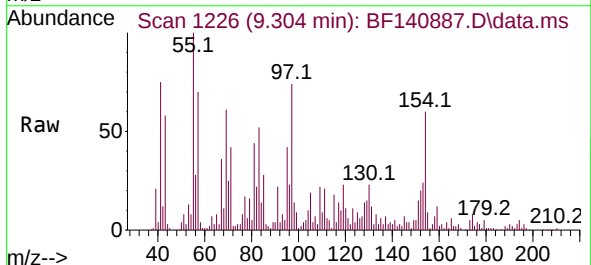
Instrument :  
BNA\_F  
ClientSampleId :  
GAS-AUD-1610-1611-1612RE

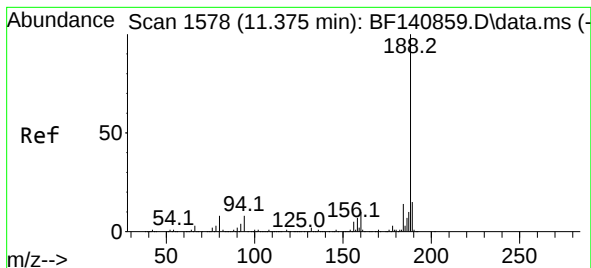
Tgt Ion:172 Resp: 651168  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.4 42.6  
170 23.0 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 5.318 ng  
RT: 9.304 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: BF140887.D  
Acq: 17 Dec 2024 16:04

Tgt Ion:154 Resp: 44857  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.8 60.8  
76 13.4 0.0 31.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

Instrument :

BNA\_F

ClientSampleId :

GAS-AUD-1610-1611-1612RE

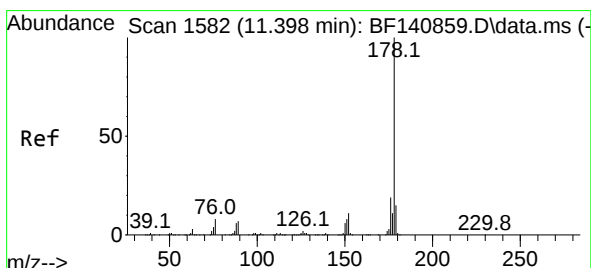
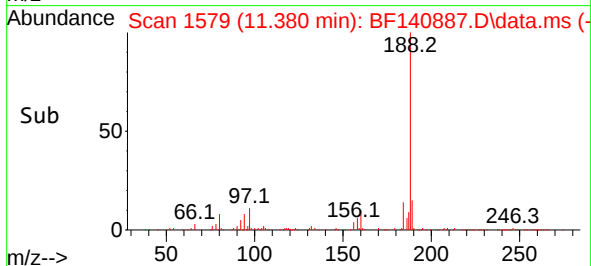
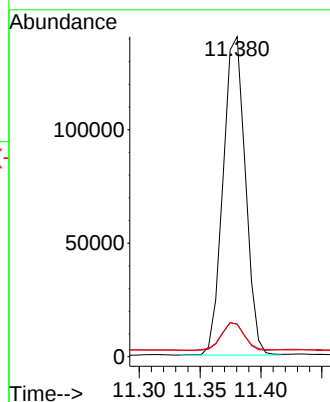
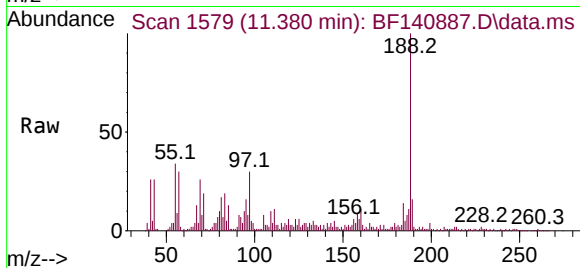
Tgt Ion:188 Resp: 179367

Ion Ratio Lower Upper

188 100

94 10.2 6.4 9.6#

80 10.1 6.8 10.2



#71

Phenanthrene

Concen: 3.346 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

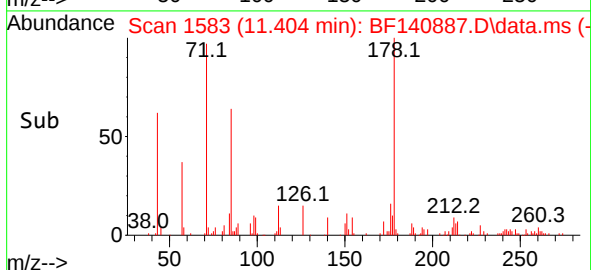
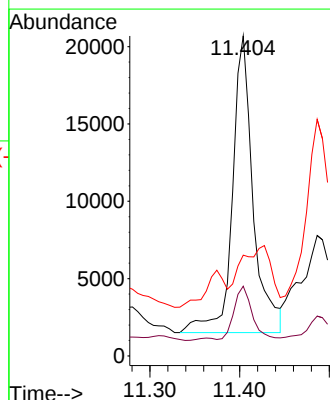
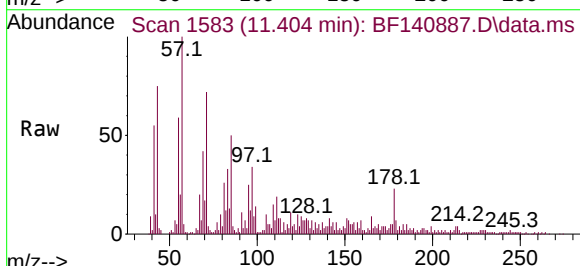
Tgt Ion:178 Resp: 30859

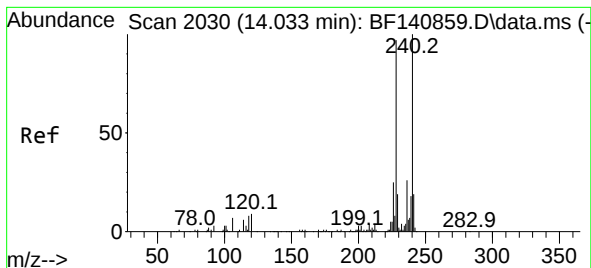
Ion Ratio Lower Upper

178 100

176 21.8 15.4 23.2

179 31.5 12.1 18.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

Instrument :

BNA\_F

ClientSampleId :

GAS-AUD-1610-1611-1612RE

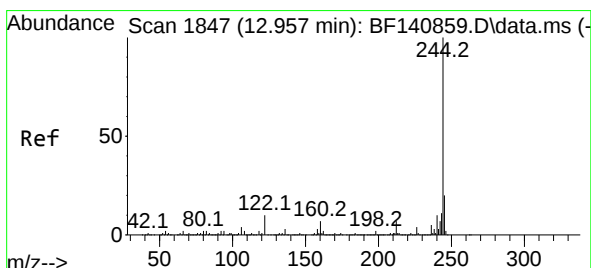
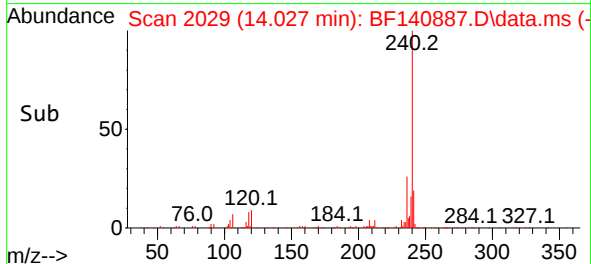
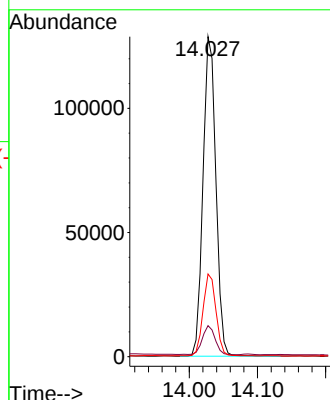
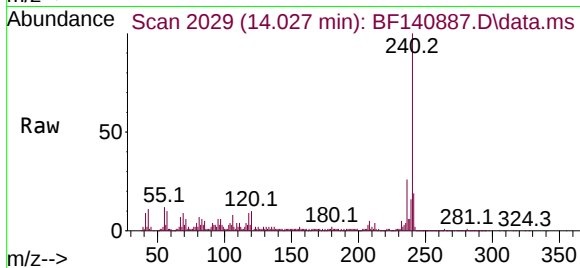
Tgt Ion:240 Resp: 169059

Ion Ratio Lower Upper

240 100

120 9.7 7.6 11.4

236 25.9 20.5 30.7



#79

Terphenyl-d14

Concen: 77.466 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.018 min

Lab File: BF140887.D

Acq: 17 Dec 2024 16:04

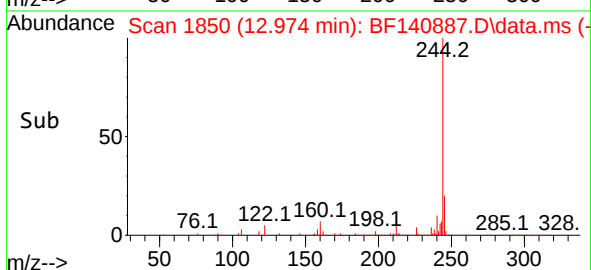
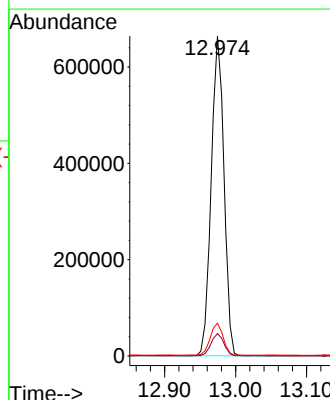
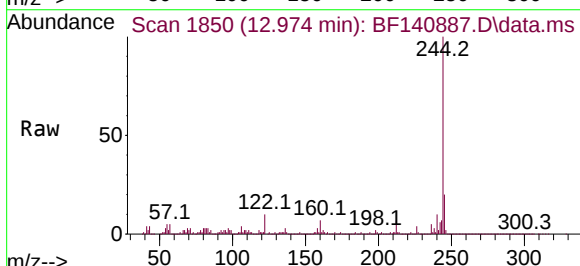
Tgt Ion:244 Resp: 830530

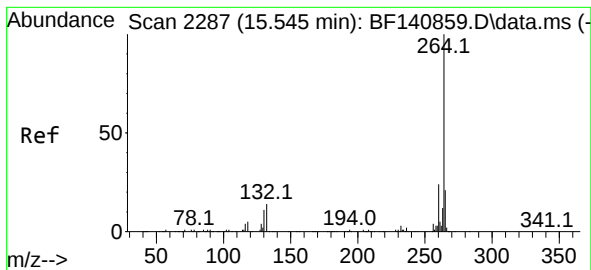
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

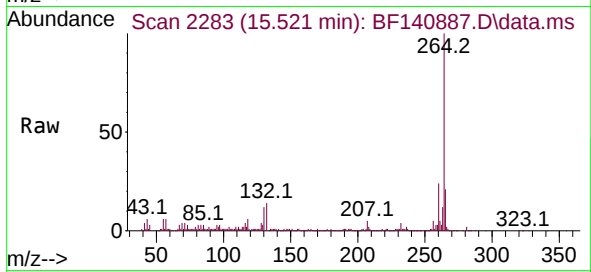
122 10.3 8.2 12.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.521 min Scan# 21  
 Delta R.T. -0.024 min  
 Lab File: BF140887.D  
 Acq: 17 Dec 2024 16:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GAS-AUD-1610-1611-1612RE



Tgt Ion:264 Resp: 180738  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.1 28.7  
 265 21.4 17.0 25.4

