

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020824\  
 Data File : BF137338.D  
 Acq On : 08 Feb 2024 15:26  
 Operator : CG\JU  
 Sample : P1327-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MANHOLE

Quant Time: Feb 08 15:46:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 2024  
 Response via : Initial Calibration

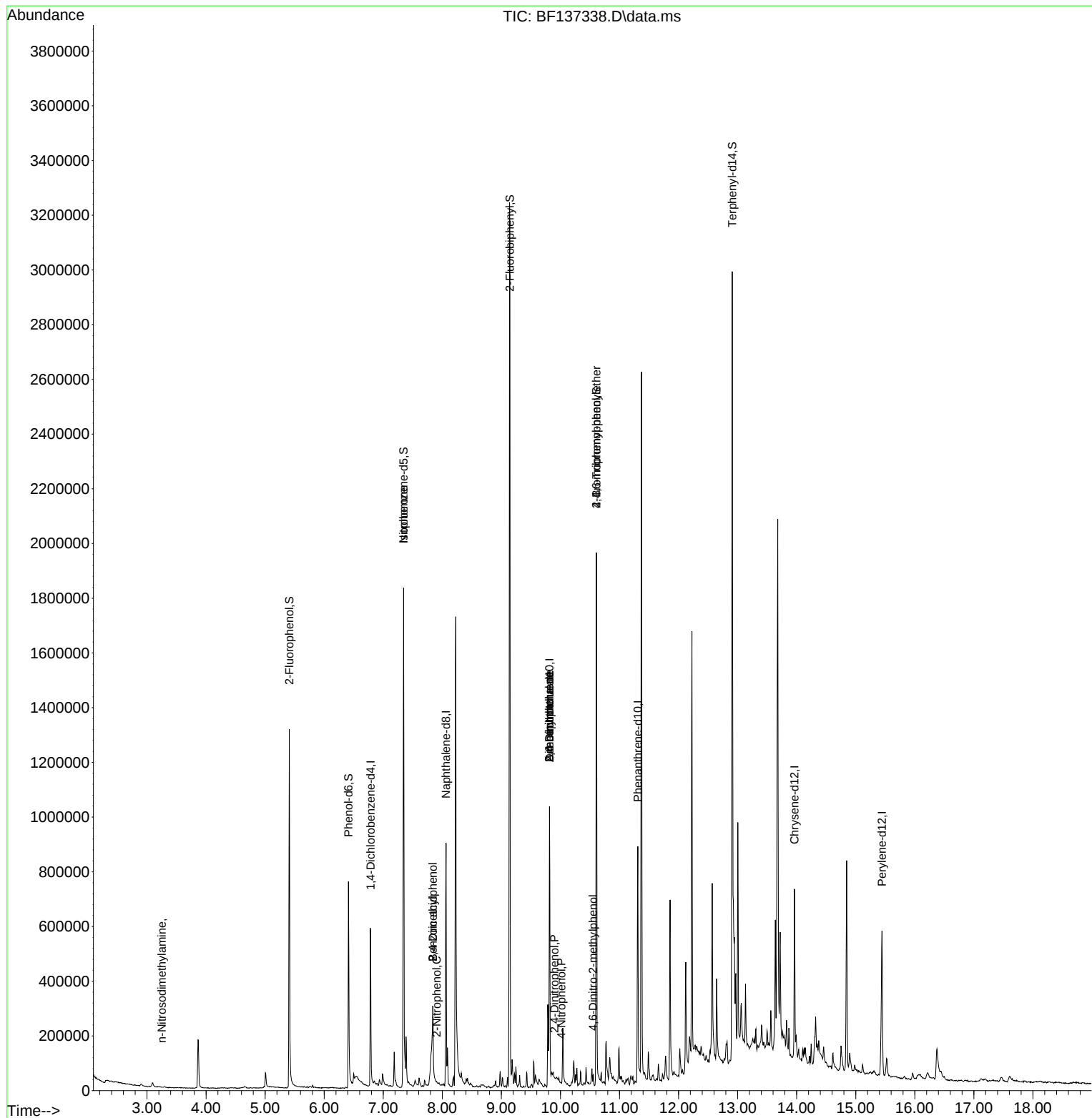
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 94764    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 379359   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 200911   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 330578   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.963 | 240  | 206714   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.445 | 264  | 242828   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 332030   | 57.815  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.410  | 99   | 264617   | 32.287  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 620139   | 73.188  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 234248   | 103.239 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1110354  | 75.972  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1009037  | 66.359  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.251  | 42   | 231      | 6.124   | ng    | # 1      |
| 25) Isophorone                | 7.345  | 82   | 618227   | 39.529  | ng    | # 67     |
| 26) 2-Nitrophenol             | 7.904  | 139  | 148      | 2.494   | ng    | # 62     |
| 27) 2,4-Dimethylphenol        | 7.839  | 122  | 105713   | 23.648  | ng    | # 2      |
| 32) Benzoic acid              | 7.839  | 122  | 105713   | 36.292  | ng    | 91       |
| 50) Dimethylphthalate         | 9.816  | 163  | 34307    | 2.528   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 26372    | 9.112   | ng    | # 18     |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 55       | 11.585  | ng    | # 7      |
| 56) 4-Nitrophenol             | 10.016 | 139  | 72       | 8.551   | ng    | 82       |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 26372    | 7.022   | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198  | 338      | 5.626   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 15785    | 4.343   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

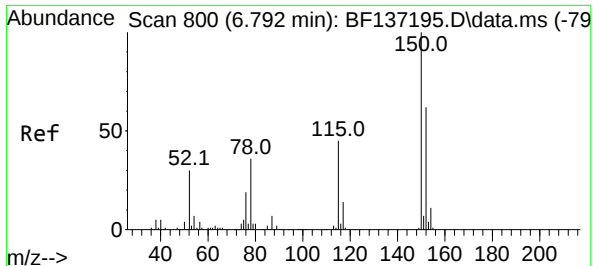
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
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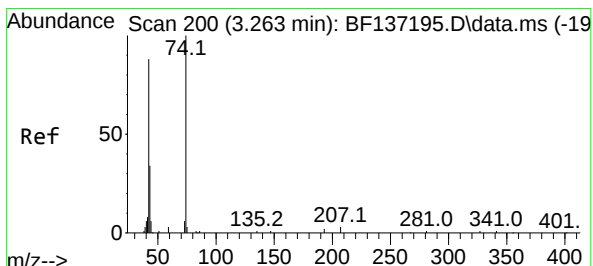
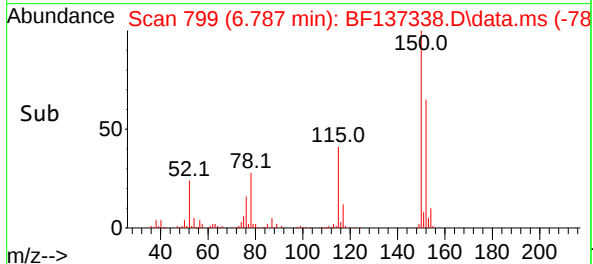
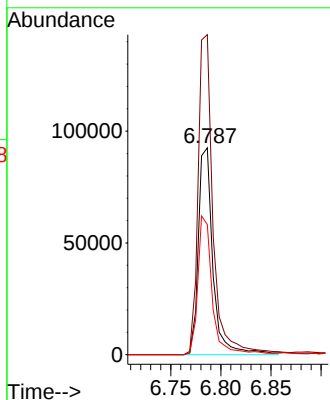
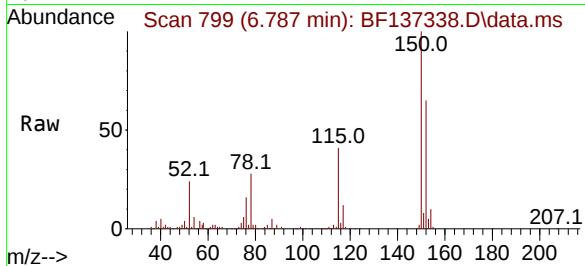




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

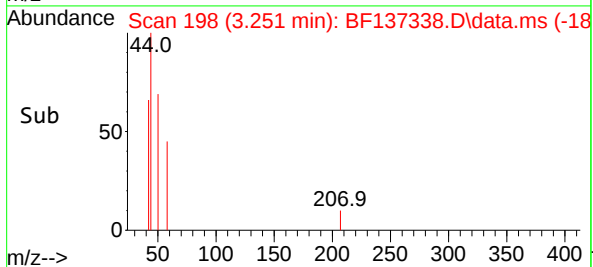
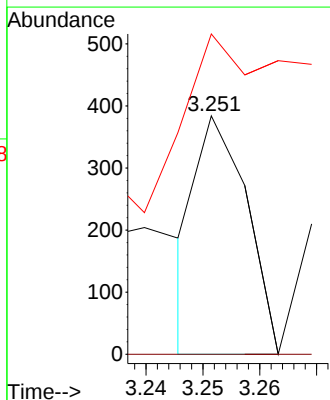
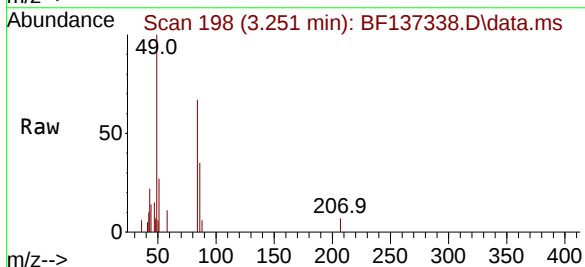
Instrument :  
BNA\_F  
ClientSampleId :  
MANHOLE

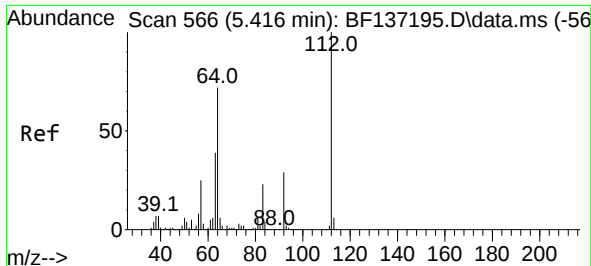
Tgt Ion:152 Resp: 94764  
Ion Ratio Lower Upper  
152 100  
150 154.7 129.8 194.8  
115 62.9 58.5 87.7



#4  
n-Nitrosodimethylamine  
Concen: 6.124 ng  
RT: 3.251 min Scan# 198  
Delta R.T. -0.012 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion: 42 Resp: 231  
Ion Ratio Lower Upper  
42 100  
74 0.0 90.5 135.7#  
44 134.4 6.1 9.1#

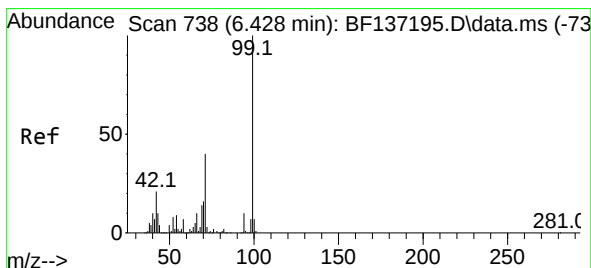
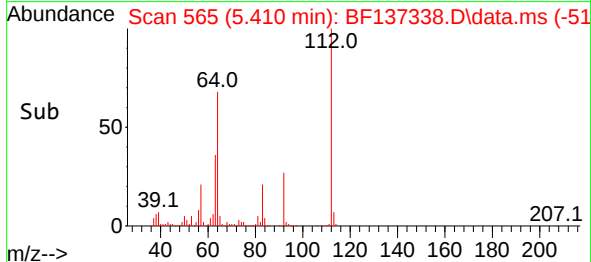
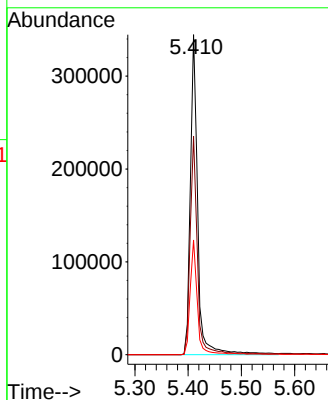
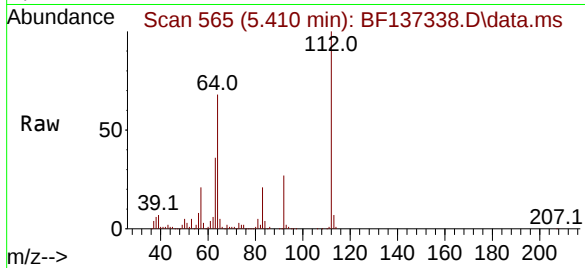




#5  
2-Fluorophenol  
Concen: 57.815 ng  
RT: 5.410 min Scan# 501  
Delta R.T. -0.006 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

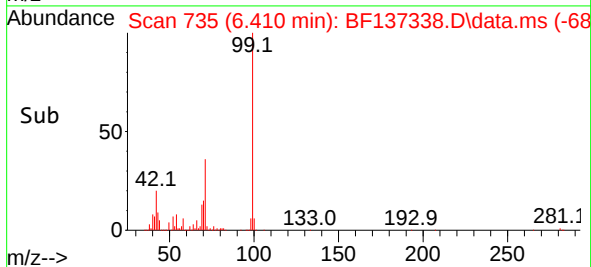
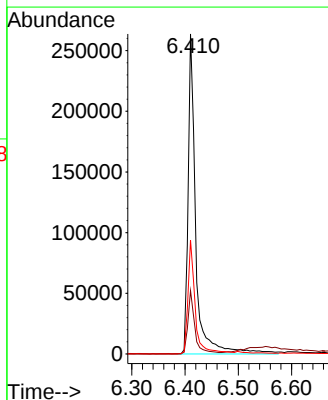
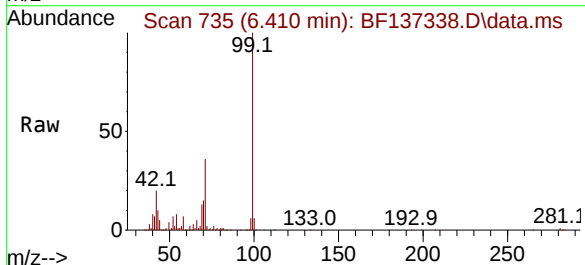
Instrument :  
BNA\_F  
ClientSampleId :  
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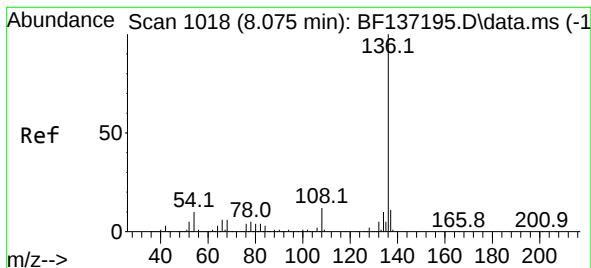
Tgt Ion:112 Resp: 332030  
Ion Ratio Lower Upper  
112 100  
64 68.3 57.8 86.6  
63 35.9 31.4 47.0



#7  
Phenol-d6  
Concen: 32.287 ng  
RT: 6.410 min Scan# 735  
Delta R.T. -0.018 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion: 99 Resp: 264617  
Ion Ratio Lower Upper  
99 100  
42 19.8 16.4 24.6  
71 35.6 32.4 48.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

MANHOLE

Tgt Ion:136 Resp: 379359

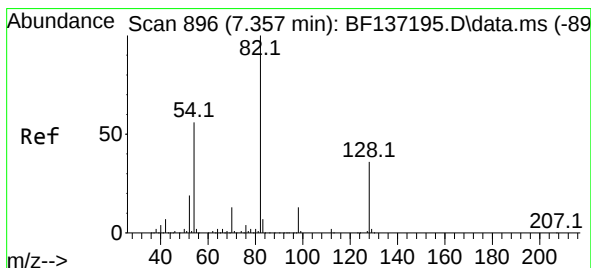
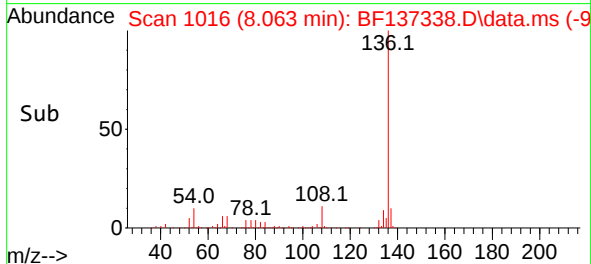
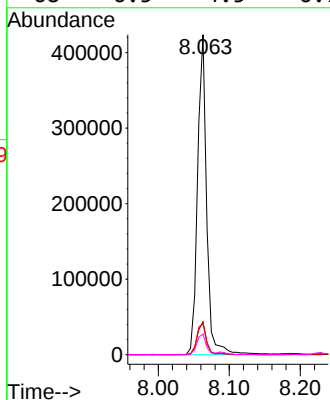
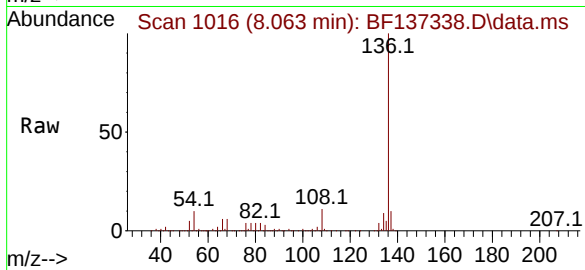
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 9.6 7.8 11.8

68 6.5 4.5 6.7



#23

Nitrobenzene-d5

Concen: 73.188 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

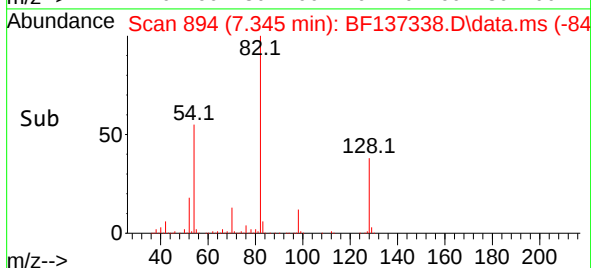
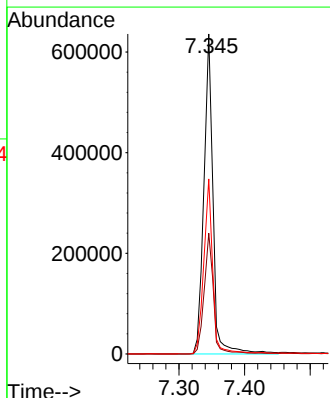
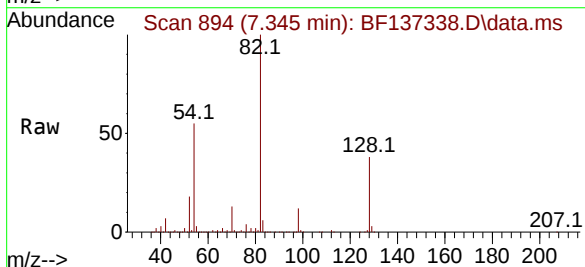
Tgt Ion: 82 Resp: 620139

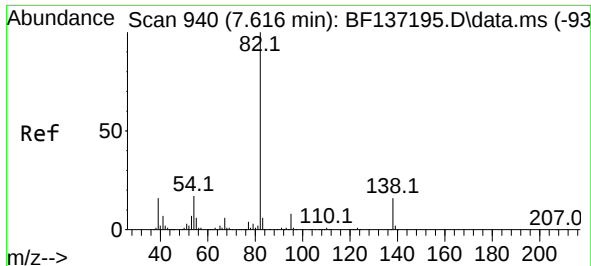
Ion Ratio Lower Upper

82 100

128 37.8 29.1 43.7

54 54.7 45.0 67.6

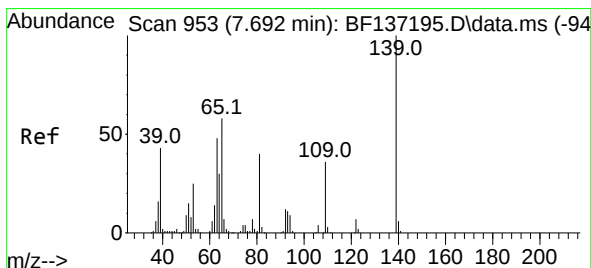
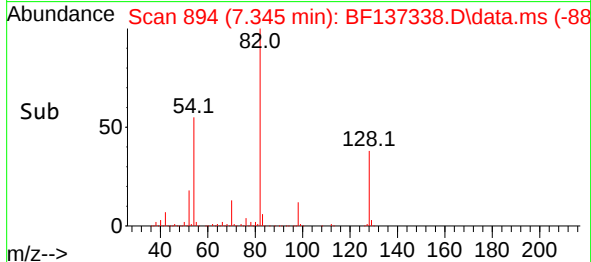
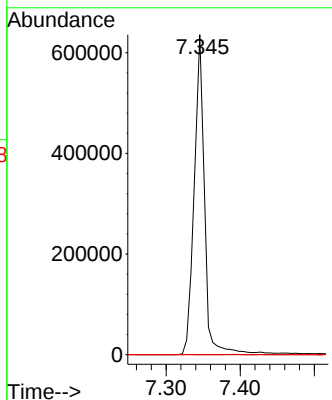
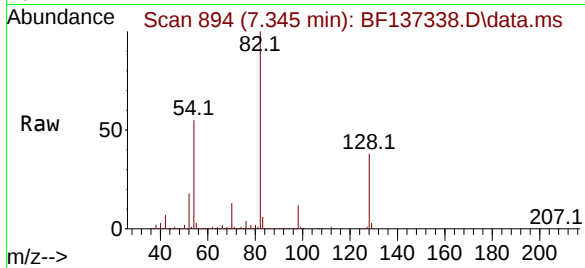




#25  
Isophorone  
Concen: 39.529 ng  
RT: 7.345 min Scan# 89  
Delta R.T. -0.270 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

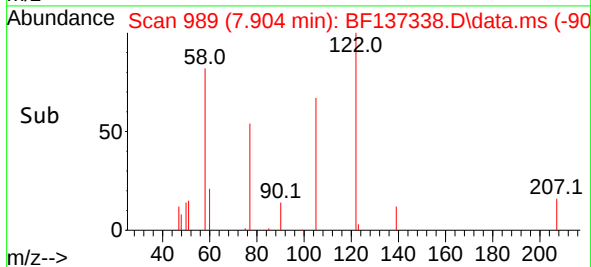
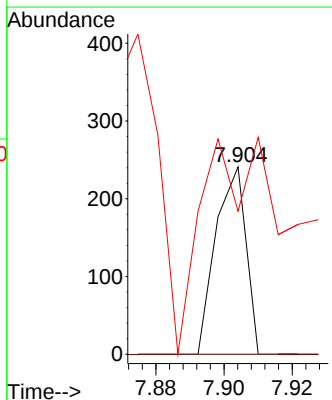
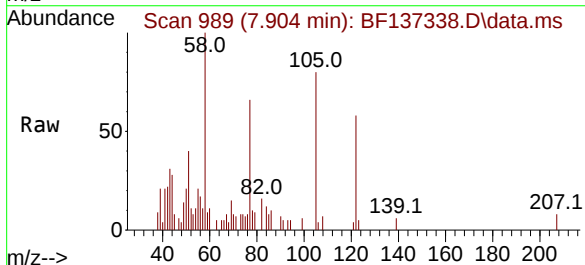
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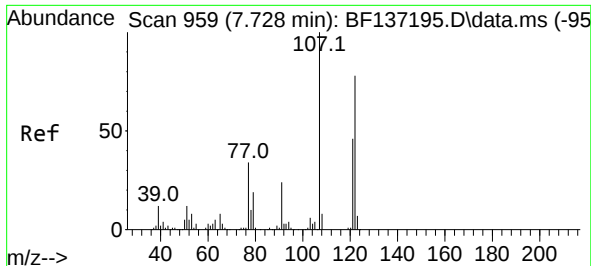
Tgt Ion: 82 Resp: 618227  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 12.7 19.1#



#26  
2-Nitrophenol  
Concen: 2.494 ng  
RT: 7.904 min Scan# 989  
Delta R.T. 0.212 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion:139 Resp: 148  
Ion Ratio Lower Upper  
139 100  
109 0.0 28.5 42.7#  
65 76.3 46.7 70.1#

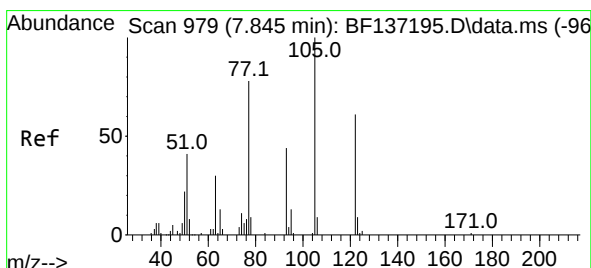
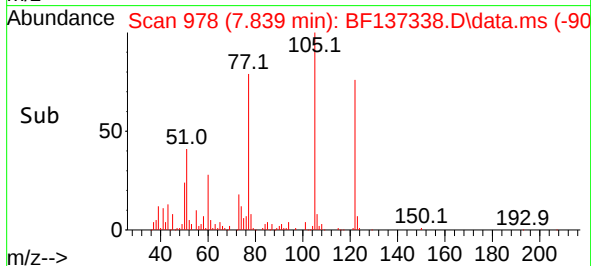
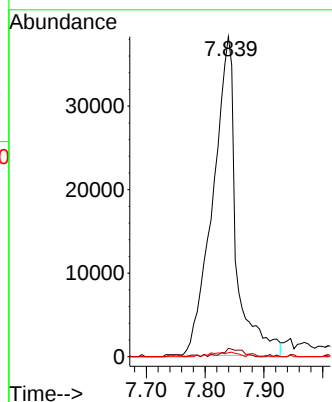
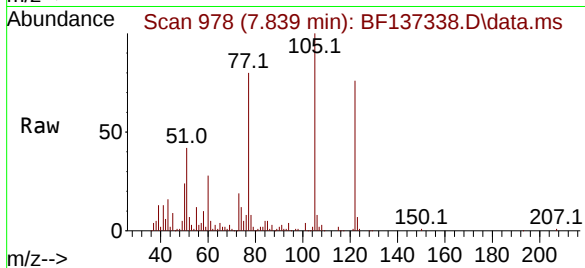




#27  
2,4-Dimethylphenol  
Concen: 23.648 ng  
RT: 7.839 min Scan# 91  
Delta R.T. 0.112 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

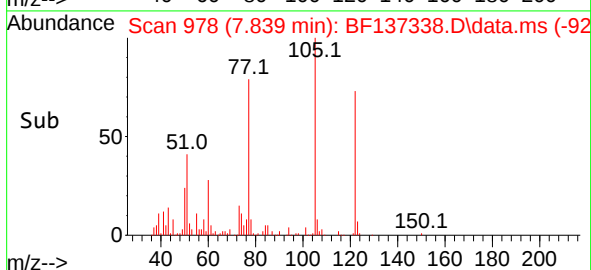
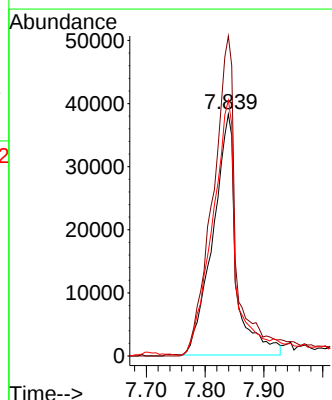
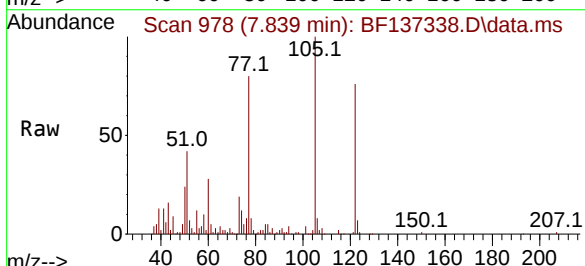
Instrument :  
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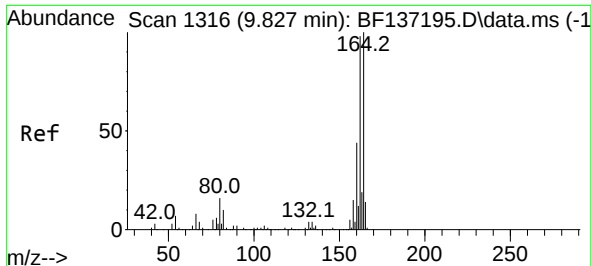
Tgt Ion:122 Resp: 105713  
Ion Ratio Lower Upper  
122 100  
107 2.6 101.8 152.6#  
121 1.3 46.6 69.8#



#32  
Benzoic acid  
Concen: 36.292 ng  
RT: 7.839 min Scan# 978  
Delta R.T. -0.006 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion:122 Resp: 105713  
Ion Ratio Lower Upper  
122 100  
105 132.3 122.5 162.5  
77 105.8 96.4 136.4

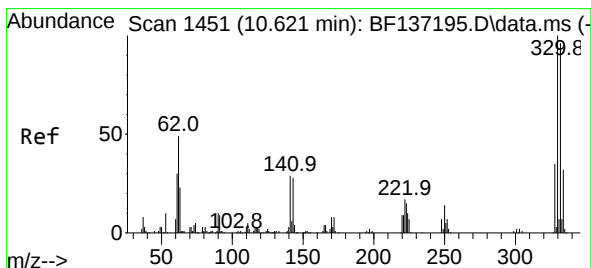
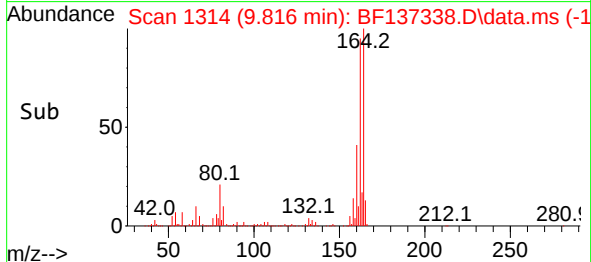
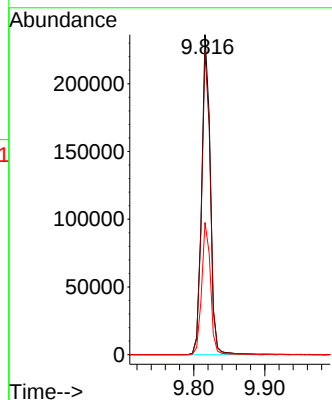
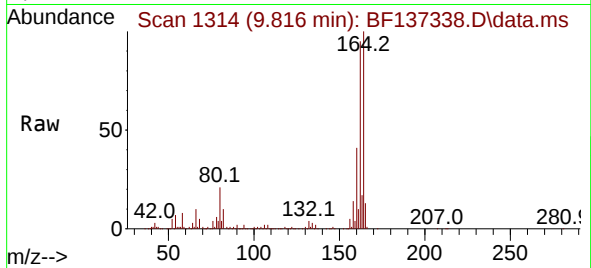




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

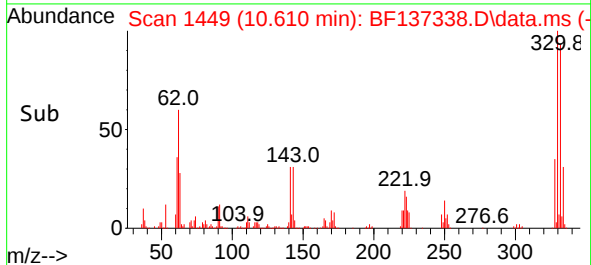
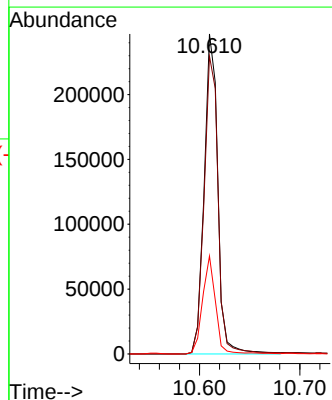
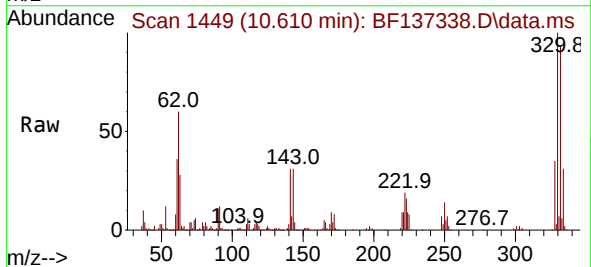
Instrument :  
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ClientSampleId :  
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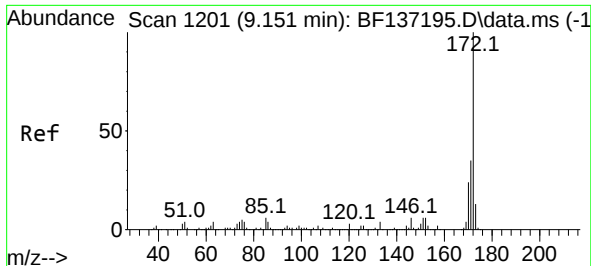
Tgt Ion:164 Resp: 200911  
Ion Ratio Lower Upper  
164 100  
162 94.9 78.3 117.5  
160 41.3 35.4 53.2



#42  
2,4,6-Tribromophenol  
Concen: 103.239 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion:330 Resp: 234248  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.3 115.9  
141 29.2 25.2 37.8

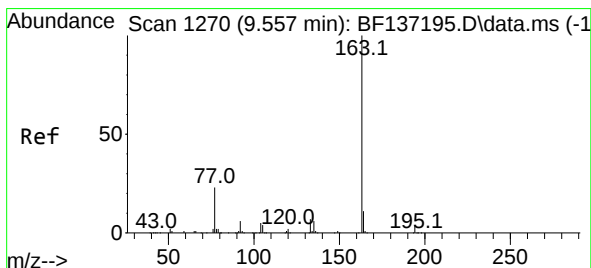
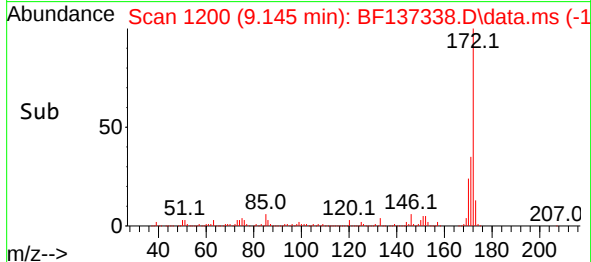
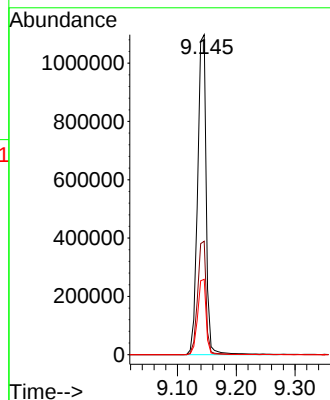
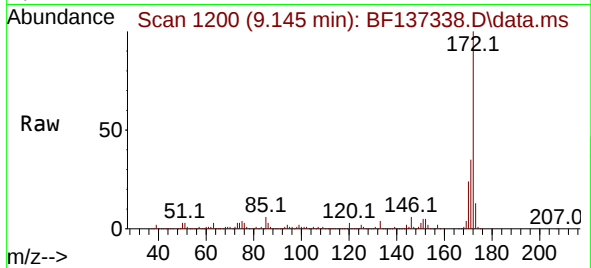




#45  
2-Fluorobiphenyl  
Concen: 75.972 ng  
RT: 9.145 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

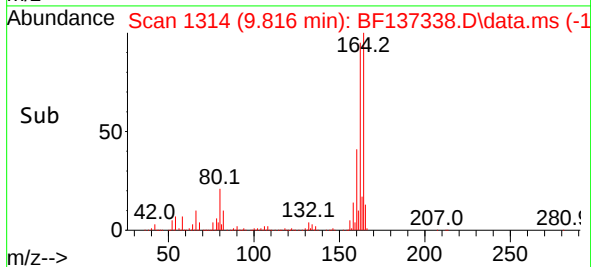
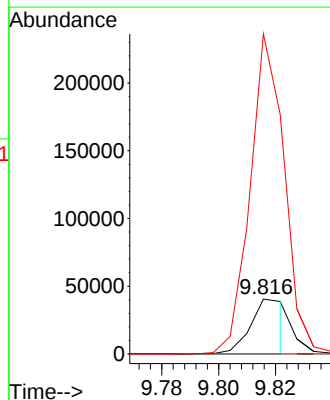
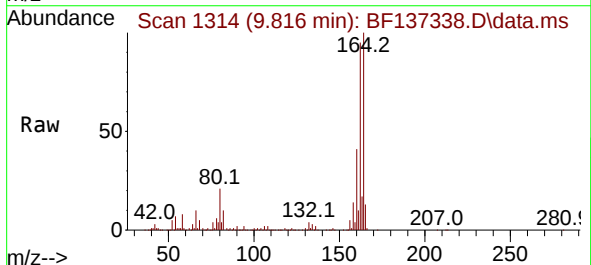
Instrument :  
BNA\_F  
ClientSampleId :  
MANHOLE

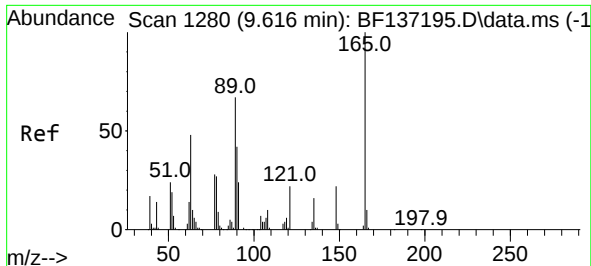
Tgt Ion:172 Resp: 1110354  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.3 42.5  
170 23.6 19.1 28.7



#50  
Dimethylphthalate  
Concen: 2.528 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion:163 Resp: 34307  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 582.9 8.6 13.0#





#51

2,6-Dinitrotoluene

Concen: 9.112 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

MANHOLE

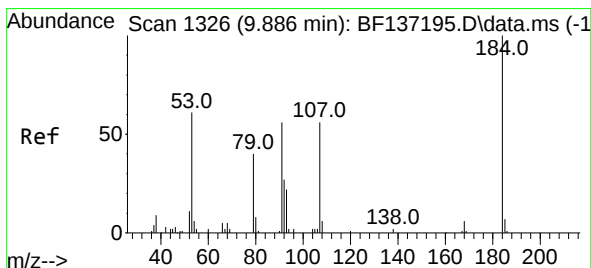
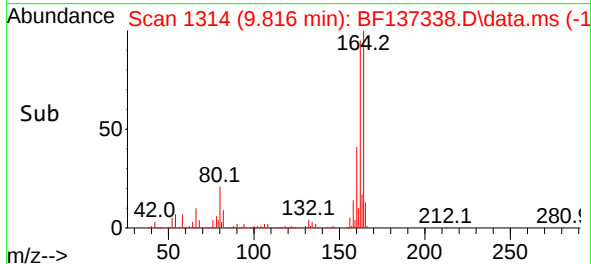
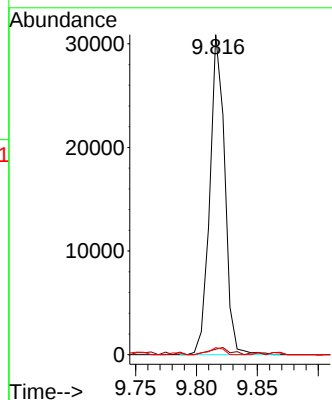
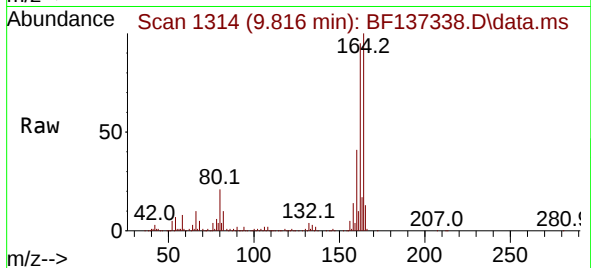
Tgt Ion:165 Resp: 26372

Ion Ratio Lower Upper

165 100

63 1.7 55.1 82.7#

89 2.2 53.5 80.3#



#54

2,4-Dinitrophenol

Concen: 11.585 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.012 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

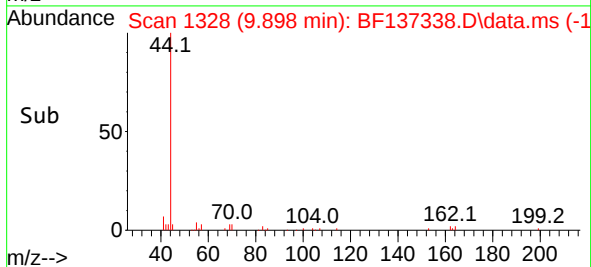
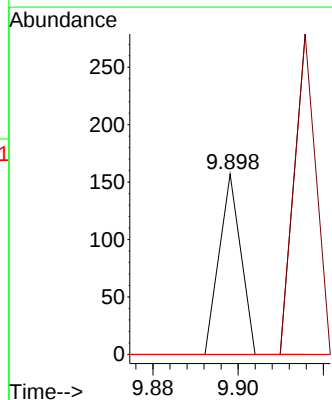
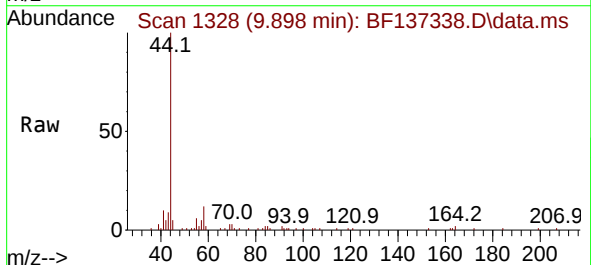
Tgt Ion:184 Resp: 55

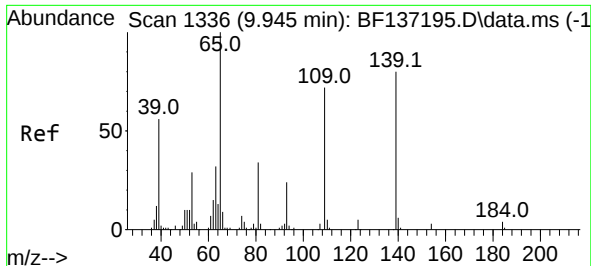
Ion Ratio Lower Upper

184 100

63 0.0 71.2 106.8#

154 0.0 64.9 97.3#

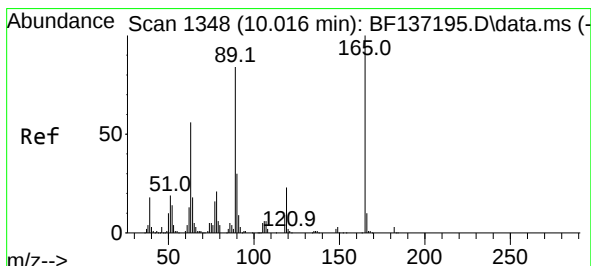
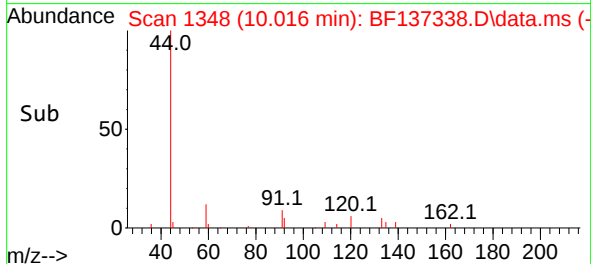
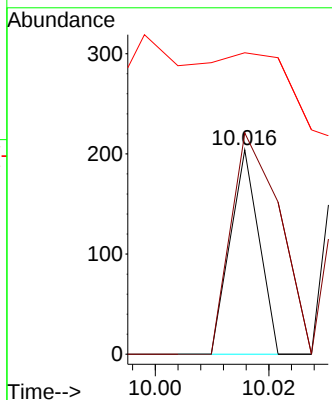
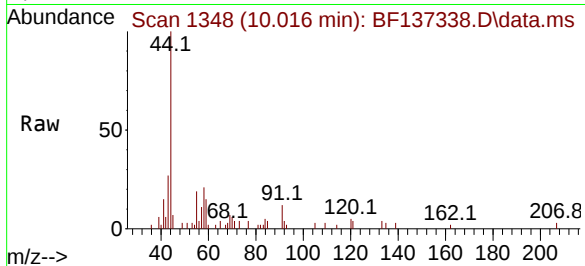




#56  
4-Nitrophenol  
Concen: 8.551 ng  
RT: 10.016 min Scan# 11  
Delta R.T. 0.071 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

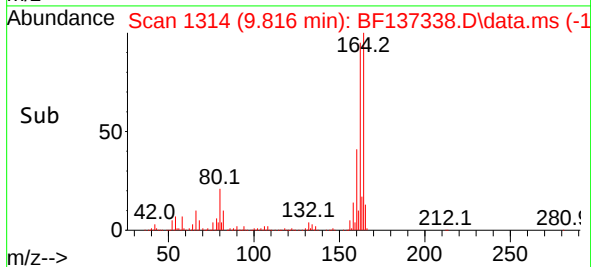
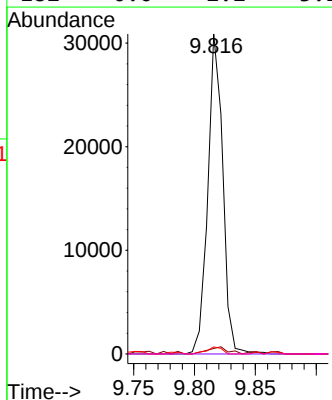
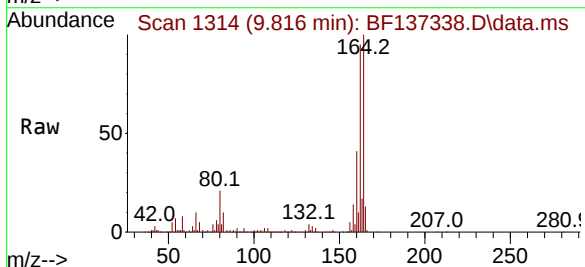
Instrument :  
BNA\_F  
ClientSampleId :  
MANHOLE

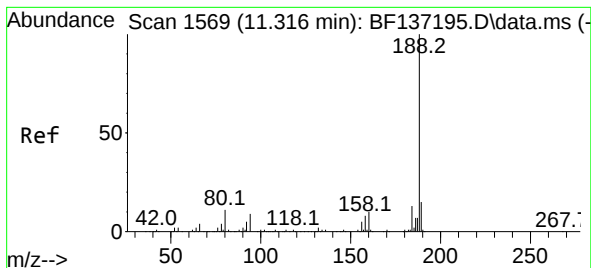
Tgt Ion:139 Resp: 72  
Ion Ratio Lower Upper  
139 100  
109 108.3 70.4 110.4  
65 147.5 107.6 147.6



#57  
2,4-Dinitrotoluene  
Concen: 7.022 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.200 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion:165 Resp: 26372  
Ion Ratio Lower Upper  
165 100  
63 1.7 46.1 69.1#  
89 2.2 67.5 101.3#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

MANHOLE

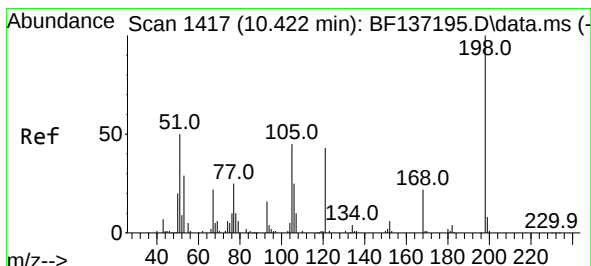
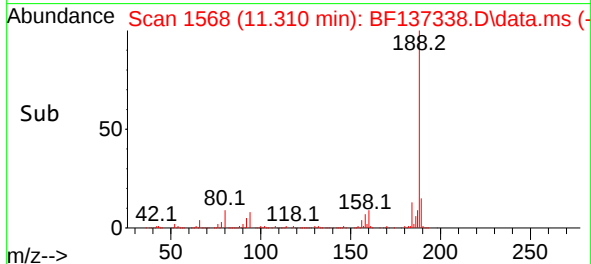
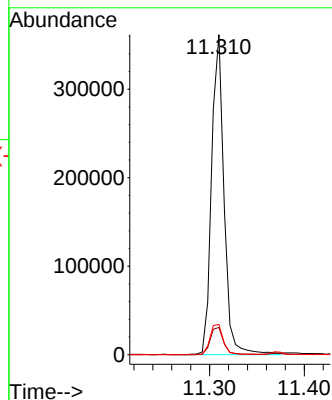
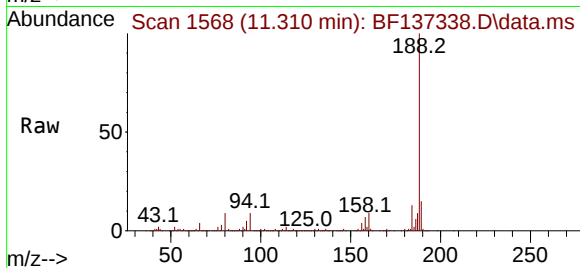
Tgt Ion:188 Resp: 330578

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 9.5 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.626 ng

RT: 10.551 min Scan# 1439

Delta R.T. 0.129 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

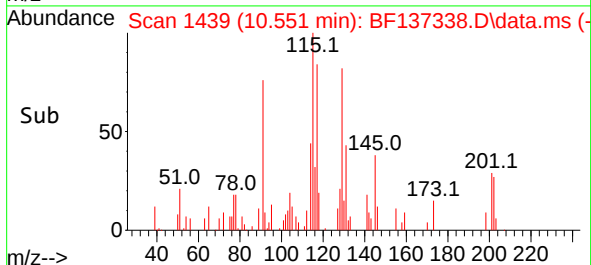
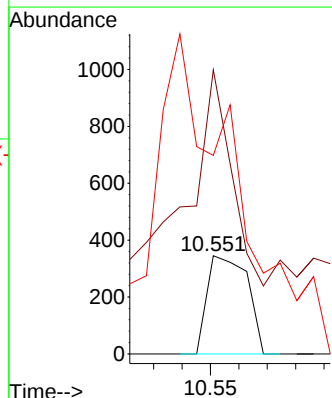
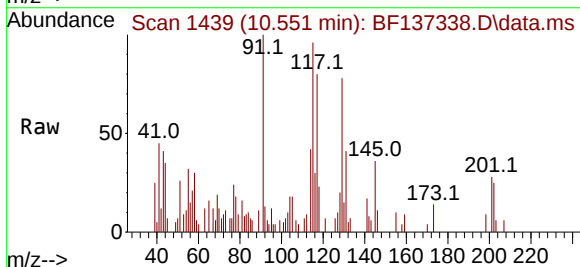
Tgt Ion:198 Resp: 338

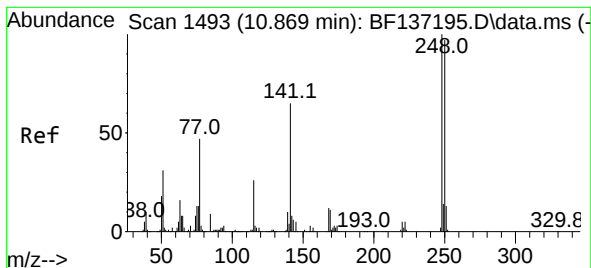
Ion Ratio Lower Upper

198 100

51 289.6 40.9 80.9#

105 202.3 26.5 66.5#

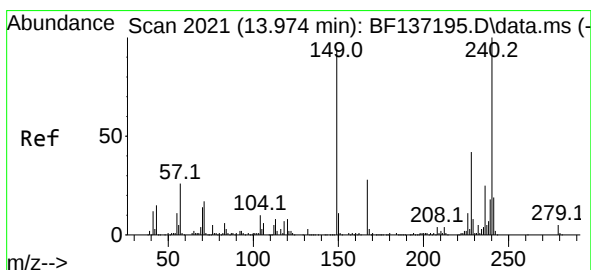
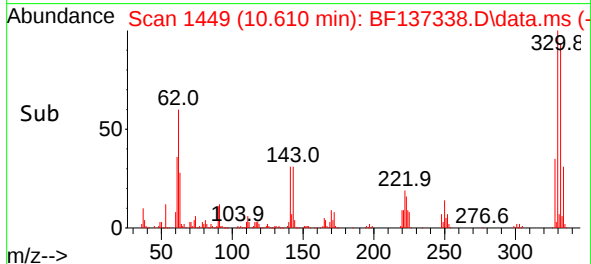
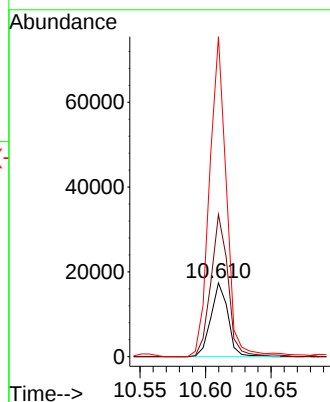
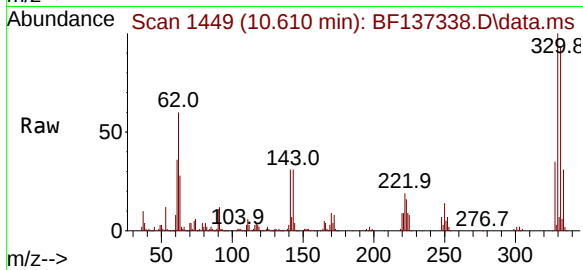




#67  
4-Bromophenyl-phenylether  
Concen: 4.343 ng  
RT: 10.610 min Scan# 1493  
Delta R.T. -0.259 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

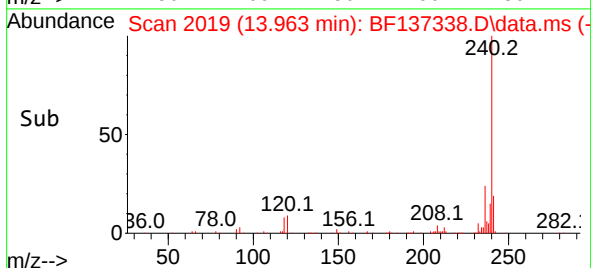
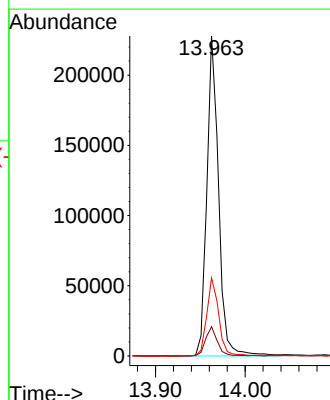
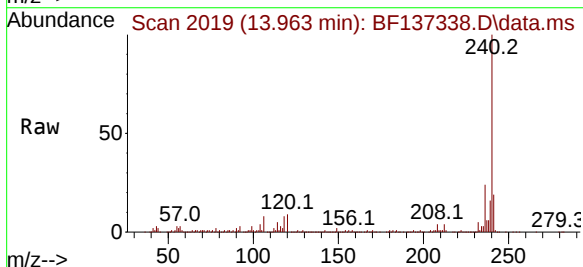
Instrument :  
BNA\_F  
ClientSampleId :  
MANHOLE

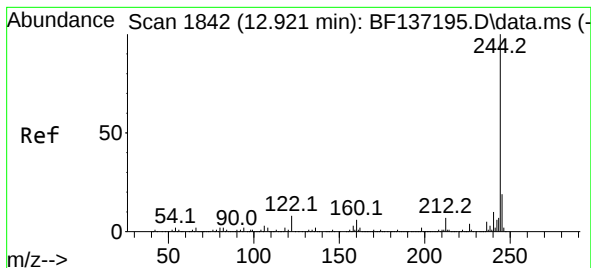
Tgt Ion:248 Resp: 15785  
Ion Ratio Lower Upper  
248 100  
250 192.8 77.7 116.5#  
141 433.8 51.6 77.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.012 min  
Lab File: BF137338.D  
Acq: 08 Feb 2024 15:26

Tgt Ion:240 Resp: 206714  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.3 9.5  
236 24.4 20.3 30.5





#79

Terphenyl-d14

Concen: 66.359 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

MANHOLE

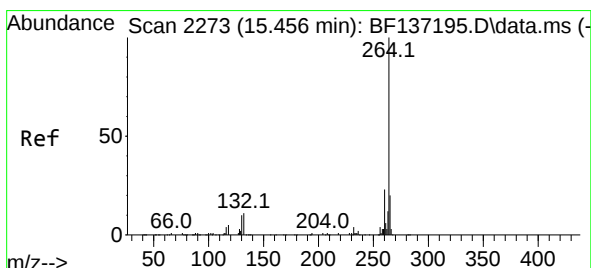
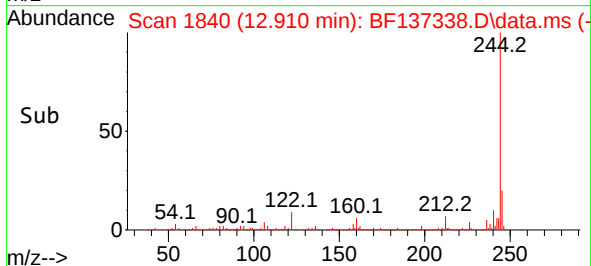
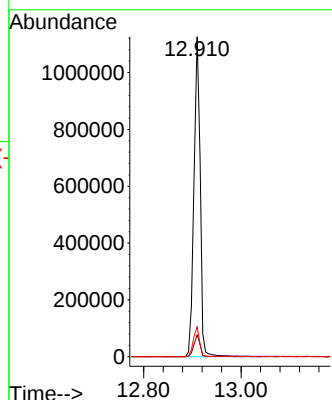
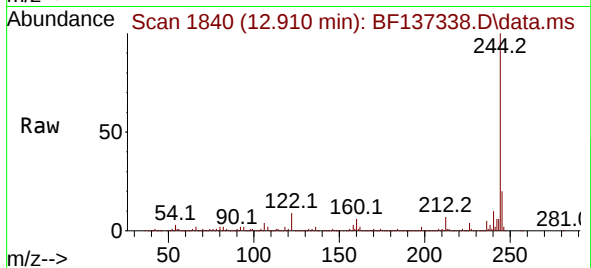
Tgt Ion:244 Resp: 1009037

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 9.3 6.2 9.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF137338.D

Acq: 08 Feb 2024 15:26

Tgt Ion:264 Resp: 242828

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 21.2 16.2 24.2

