

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060823\  
 Data File : BF133655.D  
 Acq On : 08 Jun 2023 23:27  
 Operator : CG\JU  
 Sample : 03069-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC34

Quant Time: Jun 09 01:51:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 08 11:43:32 2023  
 Response via : Initial Calibration

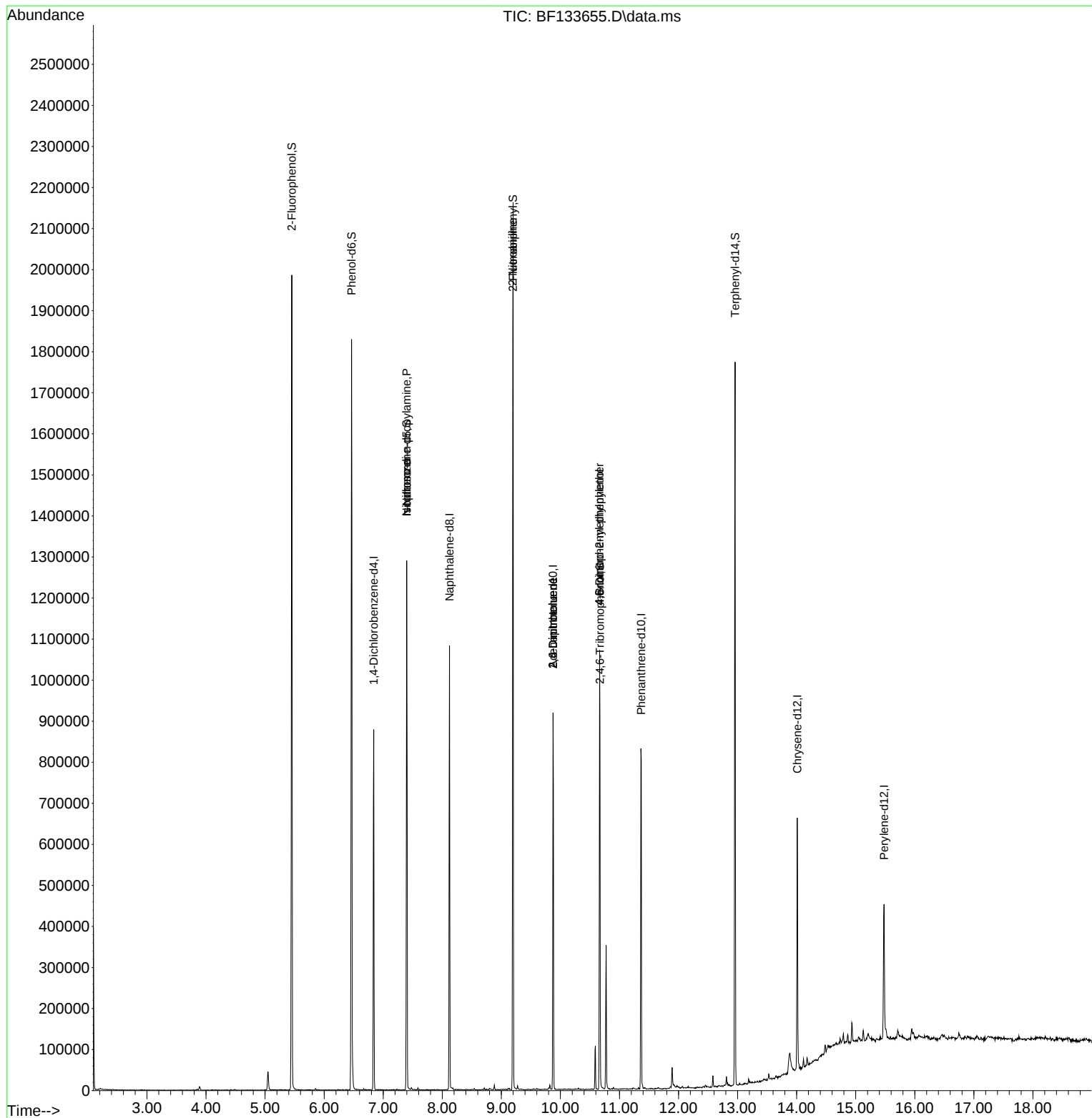
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 120756   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 410734   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 174152   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 313483   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.010 | 240  | 192692   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.480 | 264  | 160056   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.452  | 112  | 496636   | 68.619    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 587021   | 65.887    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 346620   | 56.346    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 127906   | 73.680    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 624255   | 55.325    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 583567   | 53.846    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.381  | 77   | 183      | Below Cal |       | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 47677    | 8.271 ng  | #     | 77       |
| 25) Isophorone                | 7.398  | 82   | 346614   | 24.176 ng | #     | 65       |
| 48) 2-Nitroaniline            | 9.192  | 65   | 1013     | 4.273 ng  | #     | 1        |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 21819    | 12.339 ng | #     | 18       |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 21819    | 11.553 ng | #     | 15       |
| 65) 4,6-Dinitro-2-methylph... | 10.663 | 198  | 379      | 8.954 ng  | #     | 1        |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 8355     | 2.510 ng  | #     | 1        |
| -----                         |        |      |          |           |       |          |

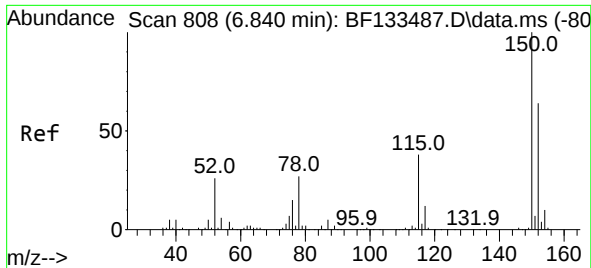
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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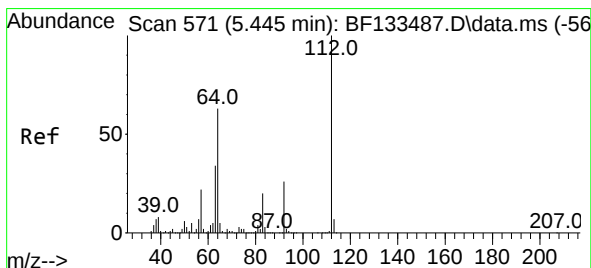
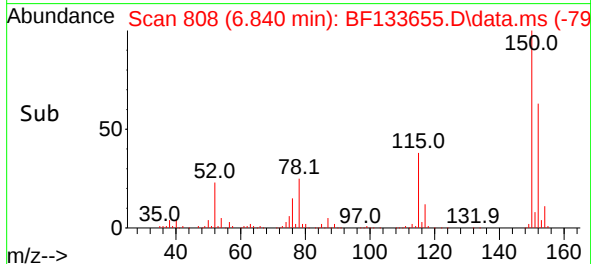
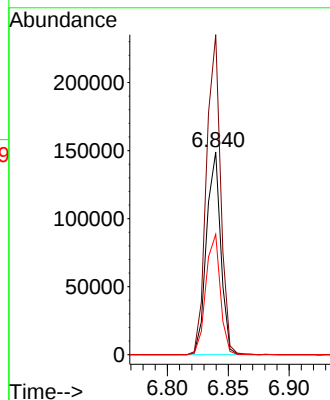
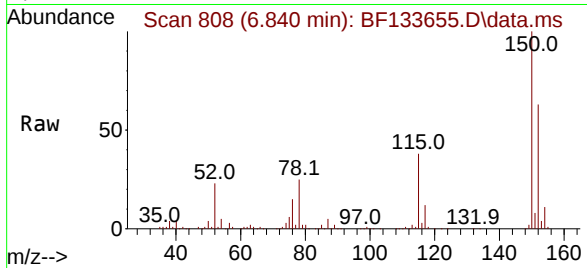




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 808  
Delta R.T. 0.001 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

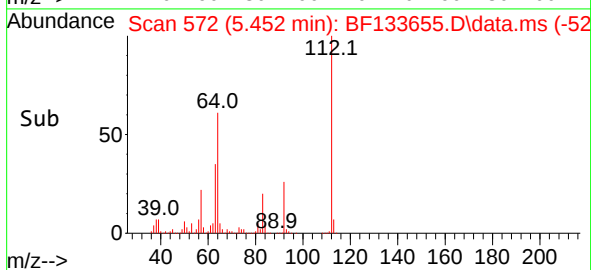
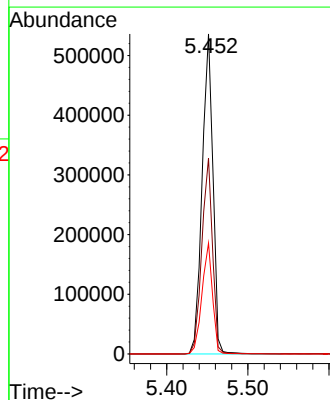
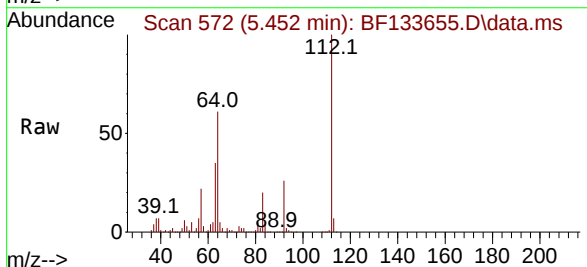
Instrument :  
BNA\_F  
ClientSampleId :  
WC34

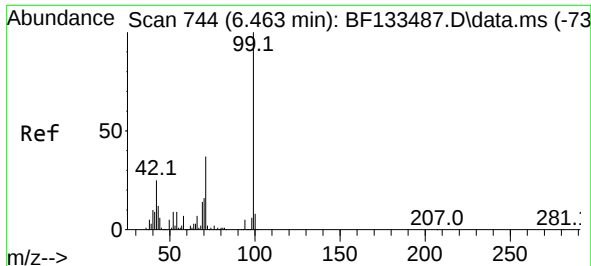
Tgt Ion:152 Resp: 120756  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.9 187.3  
115 59.4 48.1 72.1



#5  
2-Fluorophenol  
Concen: 68.619 ng  
RT: 5.452 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

Tgt Ion:112 Resp: 496636  
Ion Ratio Lower Upper  
112 100  
64 61.2 50.1 75.1  
63 34.7 27.5 41.3

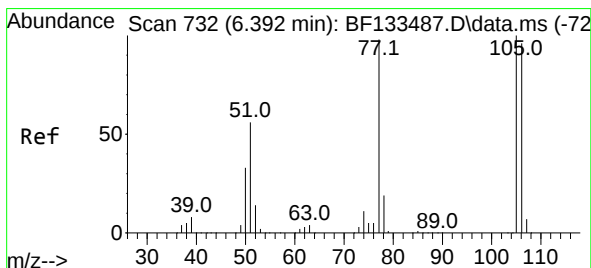
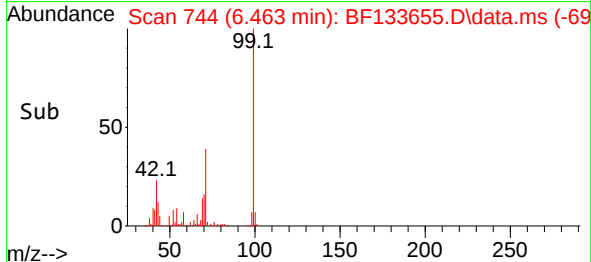
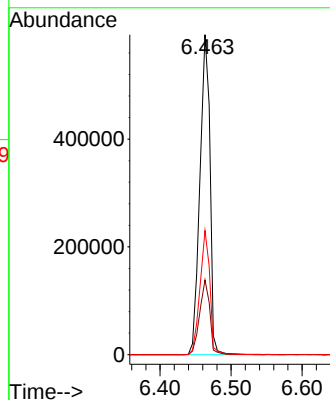
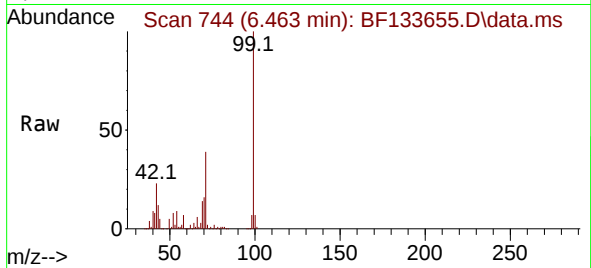




#7  
Phenol-d6  
Concen: 65.887 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

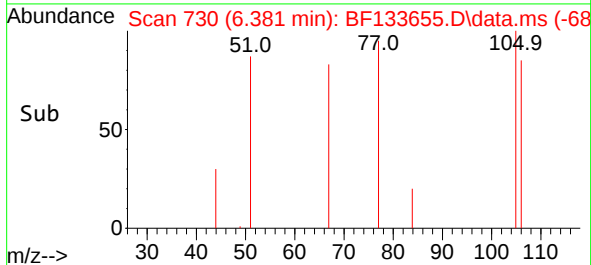
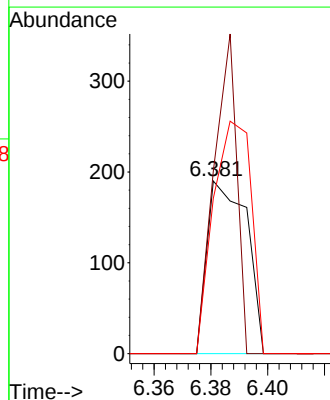
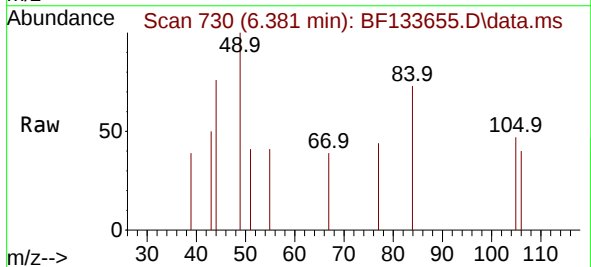
Instrument :  
BNA\_F  
ClientSampleId :  
WC34

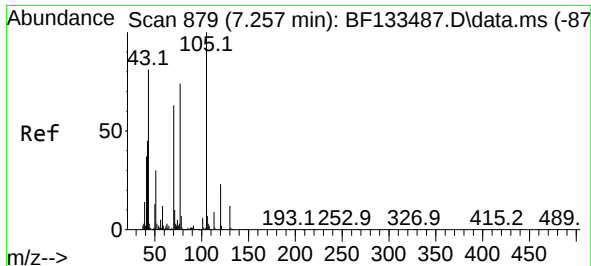
Tgt Ion: 99 Resp: 587021  
Ion Ratio Lower Upper  
99 100  
42 23.3 19.7 29.5  
71 38.8 29.8 44.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.381 min Scan# 730  
Delta R.T. -0.006 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

Tgt Ion: 77 Resp: 183  
Ion Ratio Lower Upper  
77 100  
105 105.8 81.9 121.9  
106 90.0 77.8 117.8

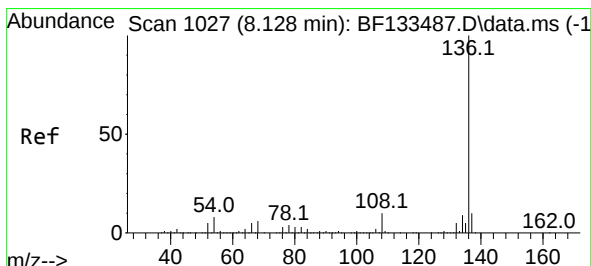
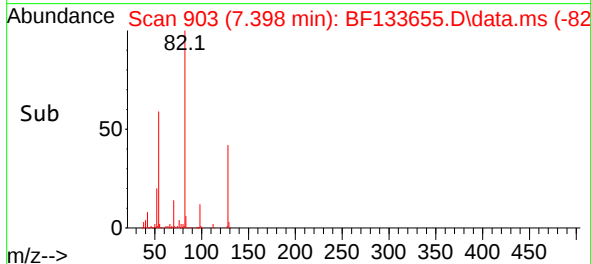
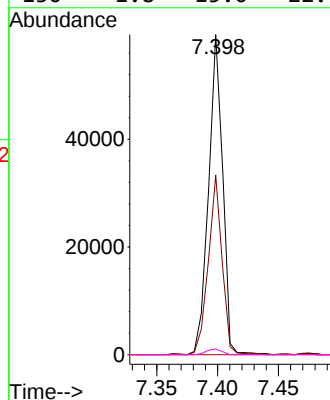
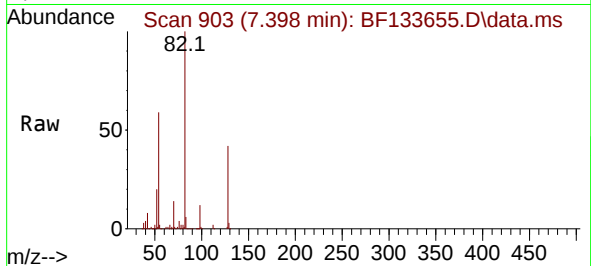




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.271 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

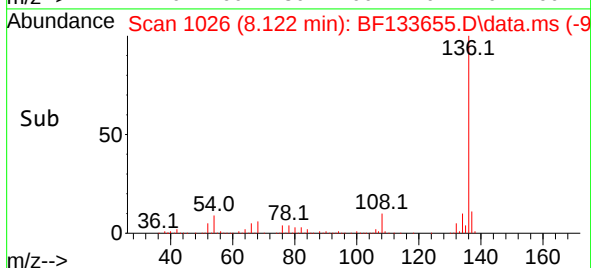
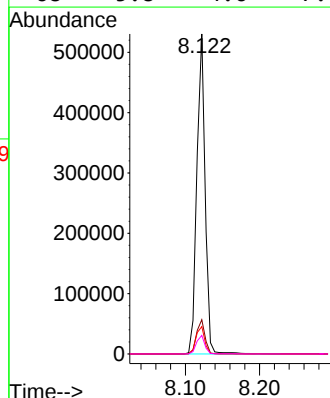
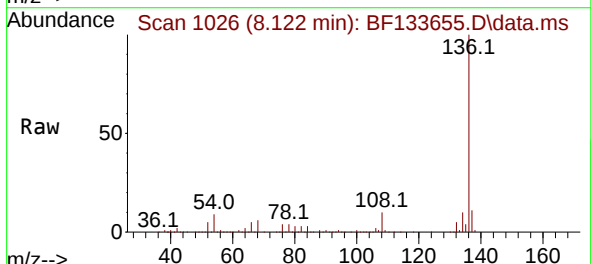
Instrument :  
BNA\_F  
ClientSampleId :  
WC34

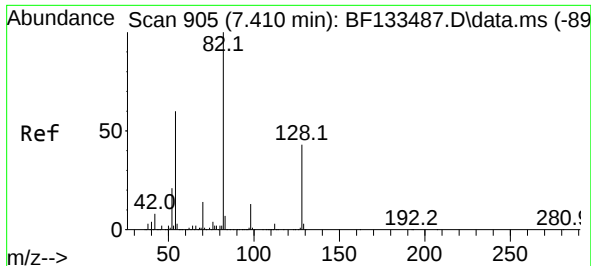
|             |                 |
|-------------|-----------------|
| Tgt Ion: 70 | Resp: 47677     |
| Ion Ratio   | Lower Upper     |
| 70          | 100             |
| 42          | 56.1 57.2 85.8# |
| 101         | 0.0 7.3 10.9#   |
| 130         | 1.8 15.0 22.4#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

|              |               |
|--------------|---------------|
| Tgt Ion: 136 | Resp: 410734  |
| Ion Ratio    | Lower Upper   |
| 136          | 100           |
| 137          | 10.7 8.2 12.4 |
| 54           | 8.5 6.6 10.0  |
| 68           | 5.8 4.6 7.0   |





#23

Nitrobenzene-d5

Concen: 56.346 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

Instrument :

BNA\_F

ClientSampleId :

WC34

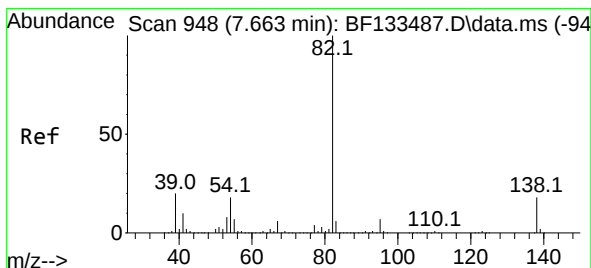
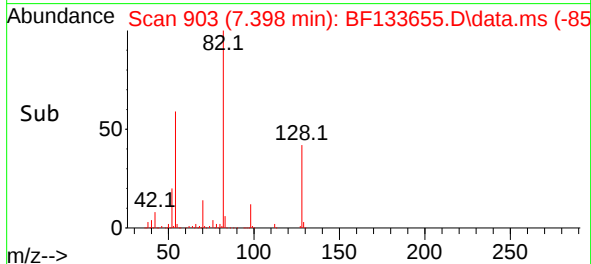
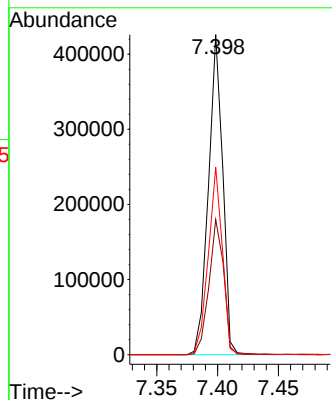
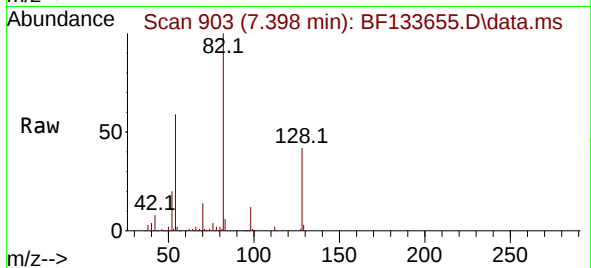
Tgt Ion: 82 Resp: 346620

Ion Ratio Lower Upper

82 100

128 42.2 34.2 51.4

54 58.6 48.2 72.4



#25

Isophorone

Concen: 24.176 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.264 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

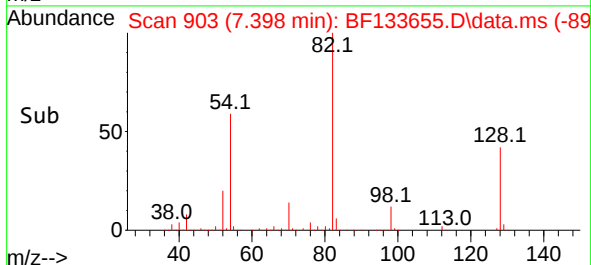
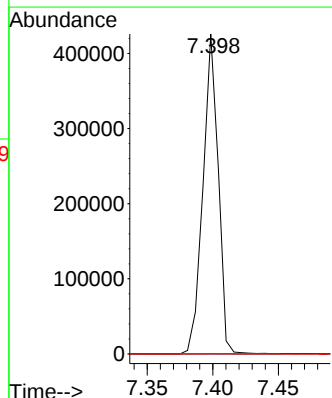
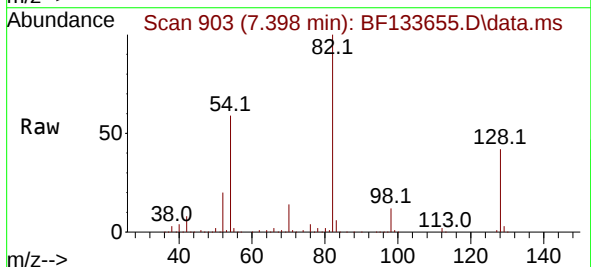
Tgt Ion: 82 Resp: 346614

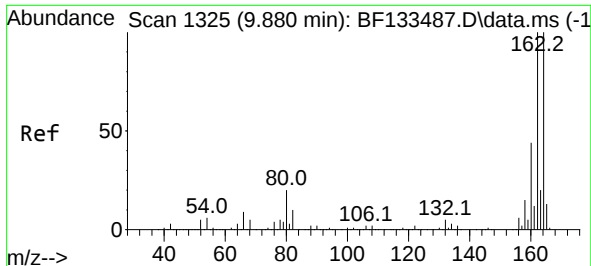
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

Instrument :

BNA\_F

ClientSampleId :

WC34

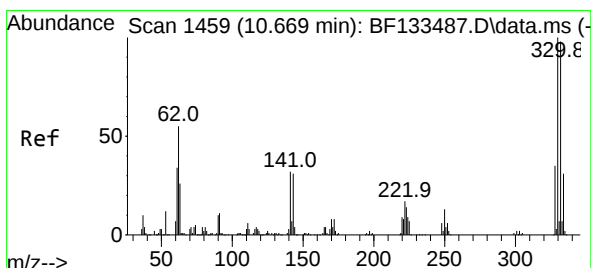
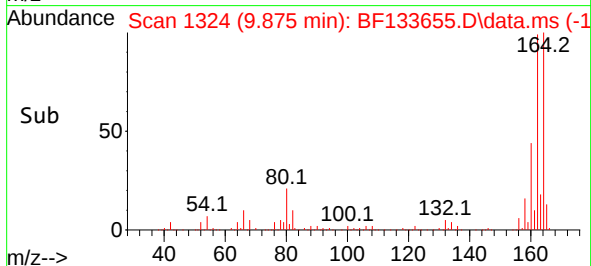
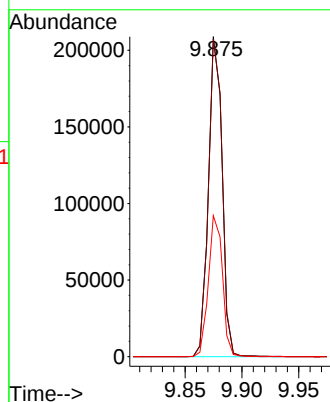
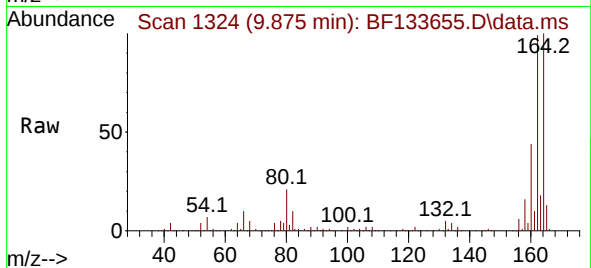
Tgt Ion:164 Resp: 174152

Ion Ratio Lower Upper

164 100

162 99.3 79.7 119.5

160 44.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 73.680 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

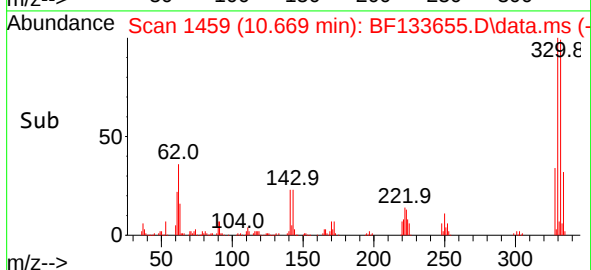
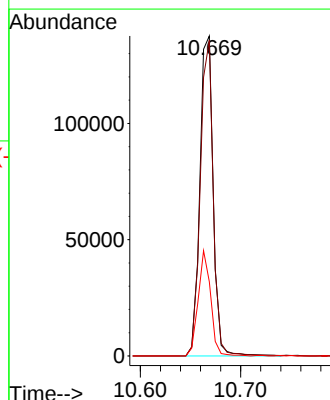
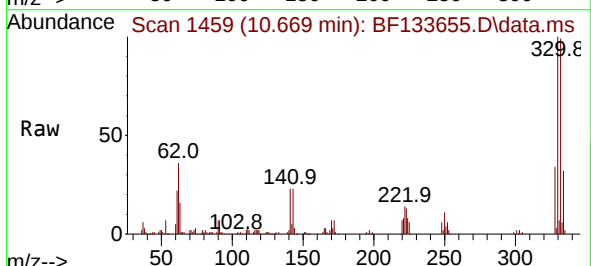
Tgt Ion:330 Resp: 127906

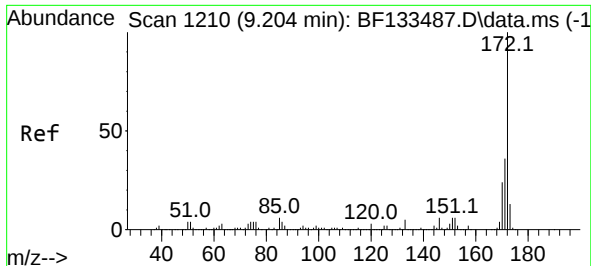
Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.6

141 30.8 26.6 40.0

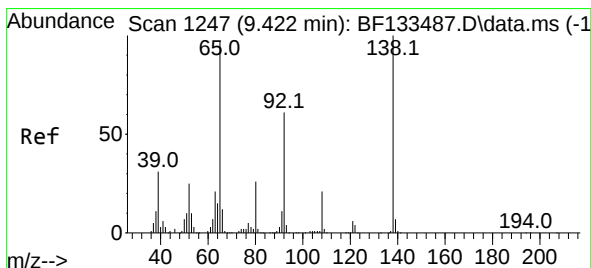
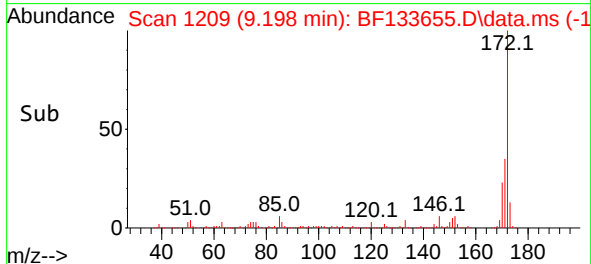
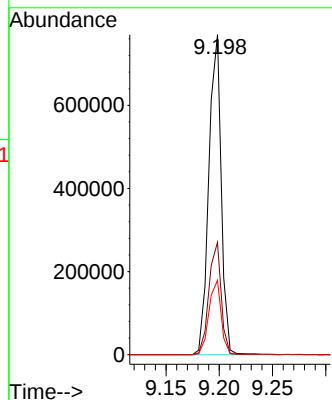
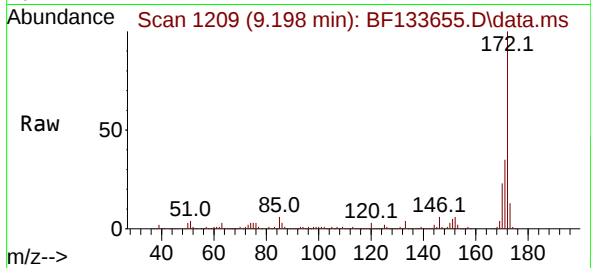




#45  
2-Fluorobiphenyl  
Concen: 55.325 ng  
RT: 9.198 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

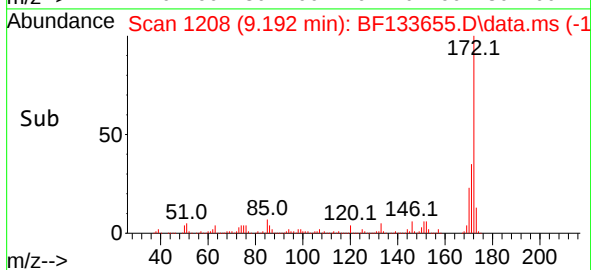
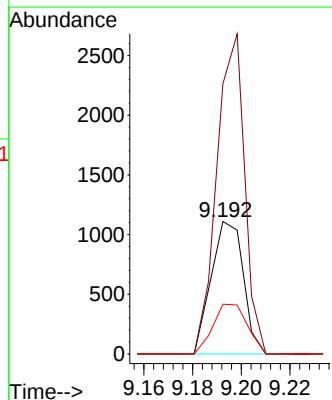
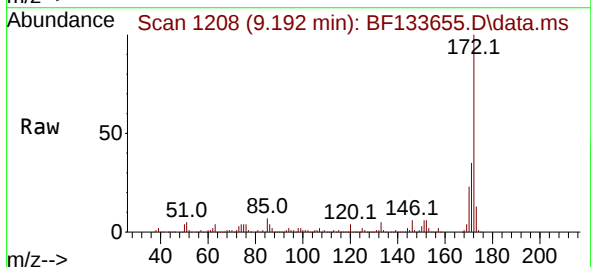
Instrument :  
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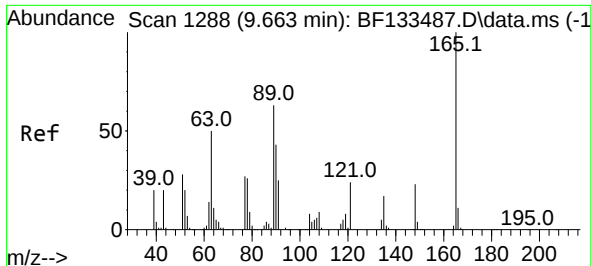
Tgt Ion:172 Resp: 624255  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.4 42.6  
170 23.2 19.3 28.9



#48  
2-Nitroaniline  
Concen: 4.273 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. -0.229 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

Tgt Ion: 65 Resp: 1013  
Ion Ratio Lower Upper  
65 100  
92 204.0 50.8 76.2#  
138 37.6 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.339 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

Instrument :

BNA\_F

ClientSampleId :

WC34

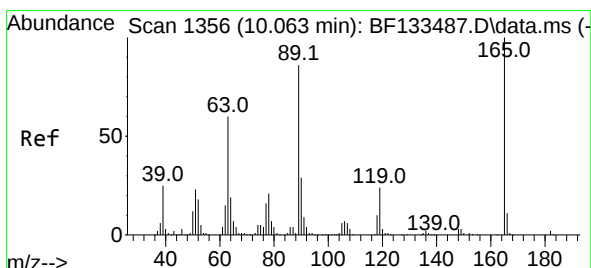
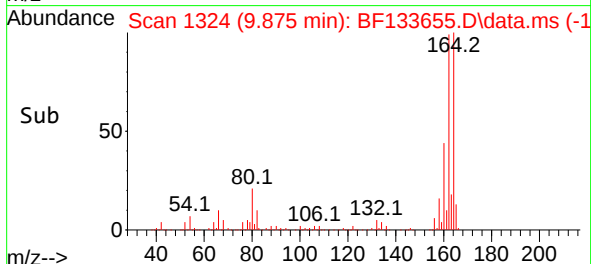
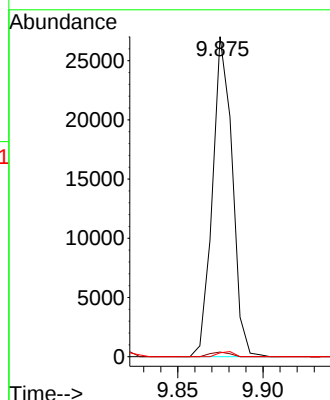
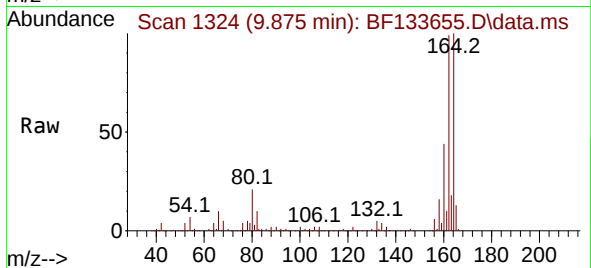
Tgt Ion:165 Resp: 21819

Ion Ratio Lower Upper

165 100

63 1.4 57.0 85.4#

89 1.2 50.8 76.2#



#57

2,4-Dinitrotoluene

Concen: 11.553 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.194 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

Tgt Ion:165 Resp: 21819

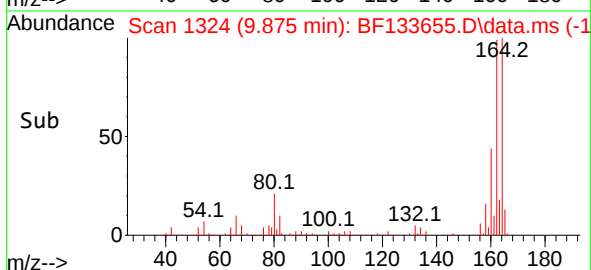
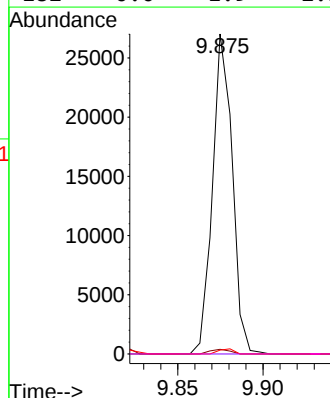
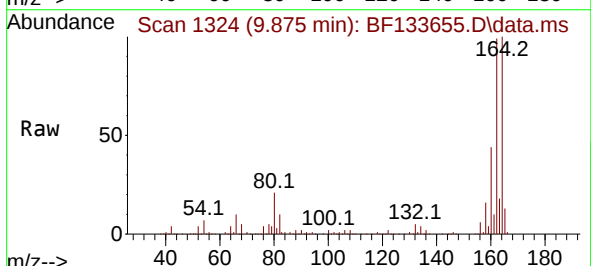
Ion Ratio Lower Upper

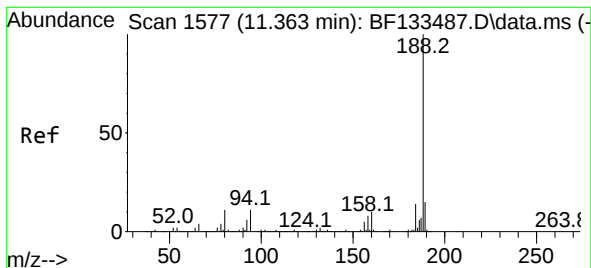
165 100

63 1.4 48.1 72.1#

89 1.2 68.4 102.6#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

Instrument :

BNA\_F

ClientSampleId :

WC34

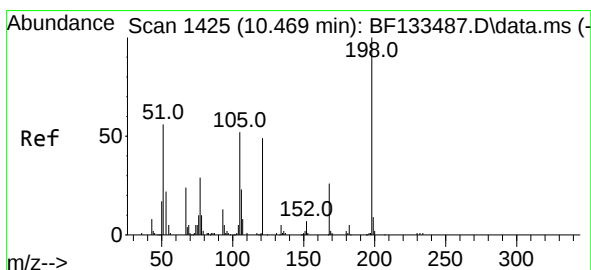
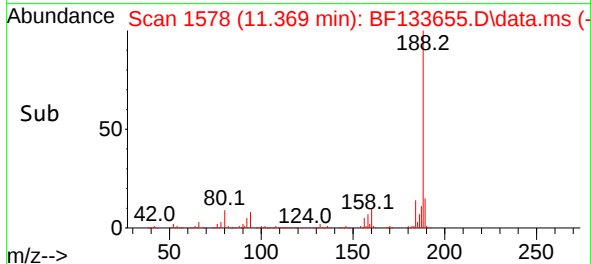
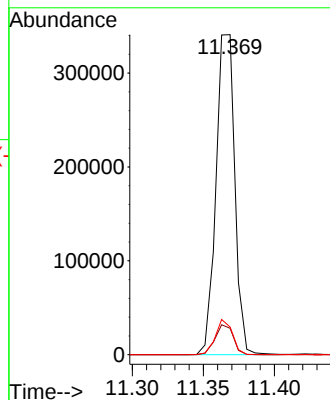
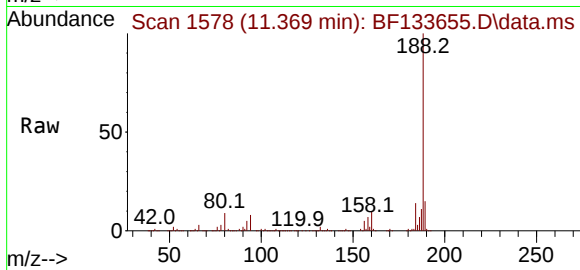
Tgt Ion:188 Resp: 313483

Ion Ratio Lower Upper

188 100

94 8.3 8.6 12.8#

80 8.6 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.954 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.183 min

Lab File: BF133655.D

Acq: 08 Jun 2023 23:27

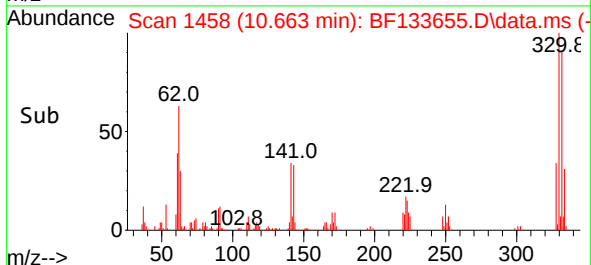
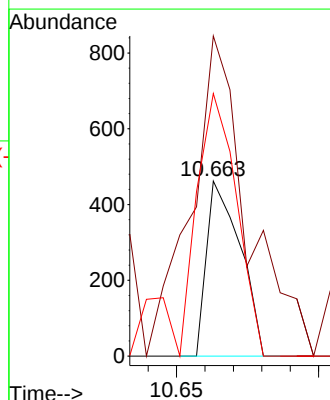
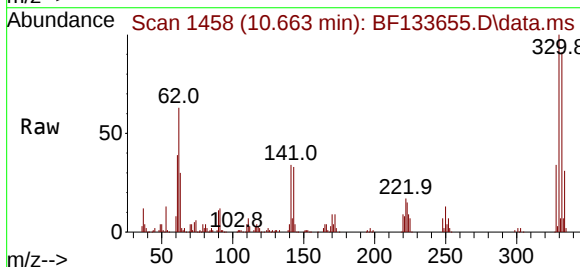
Tgt Ion:198 Resp: 379

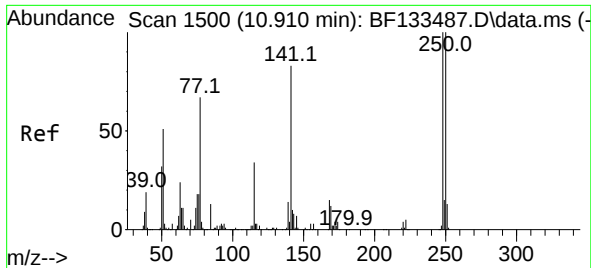
Ion Ratio Lower Upper

198 100

51 182.9 53.6 93.6#

105 150.0 35.9 75.9#

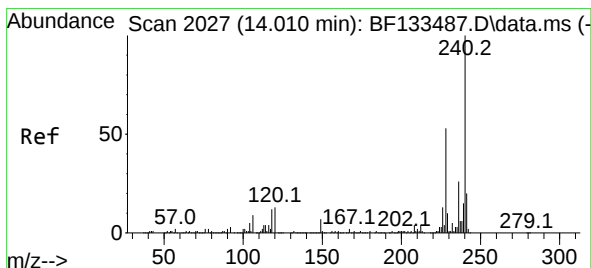
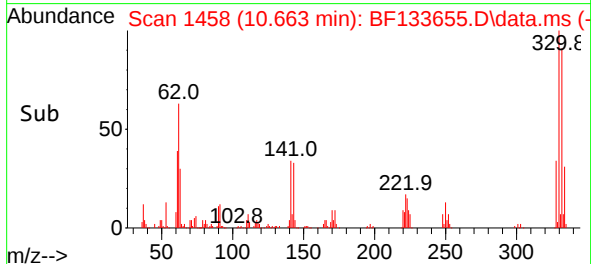
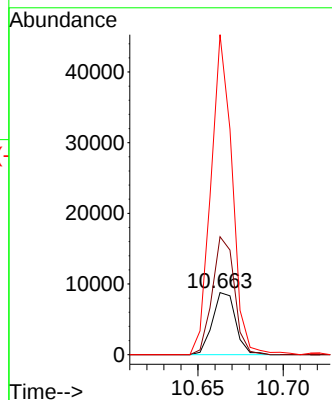
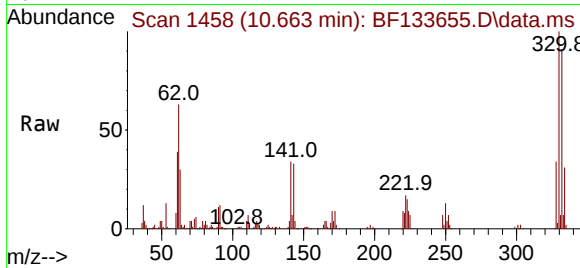




#67  
4-Bromophenyl-phenylether  
Concen: 2.510 ng  
RT: 10.663 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

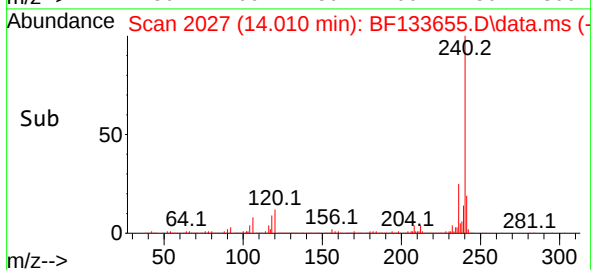
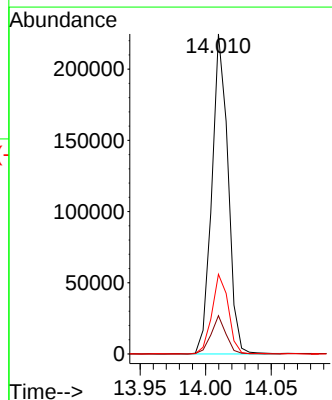
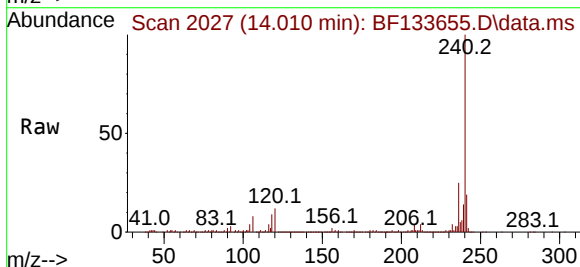
Instrument :  
BNA\_F  
ClientSampleId :  
WC34

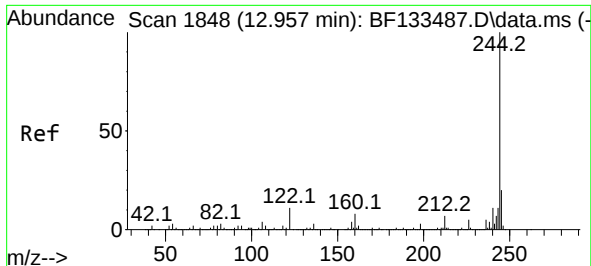
Tgt Ion:248 Resp: 8355  
Ion Ratio Lower Upper  
248 100  
250 189.8 79.7 119.5#  
141 514.9 66.6 100.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BF133655.D  
Acq: 08 Jun 2023 23:27

Tgt Ion:240 Resp: 192692  
Ion Ratio Lower Upper  
240 100  
120 12.0 10.3 15.5  
236 24.9 20.5 30.7

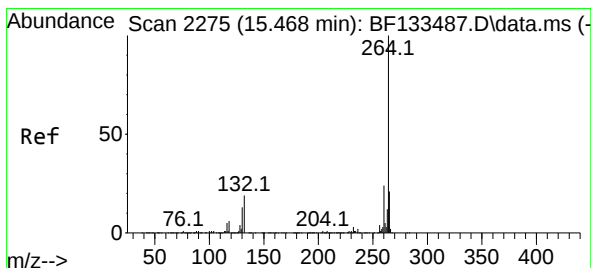
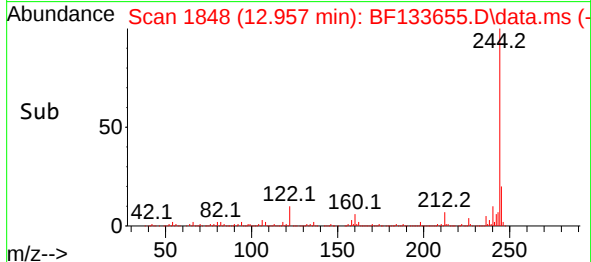
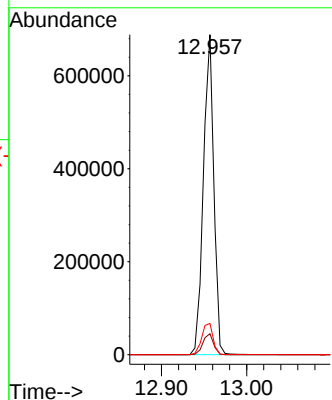
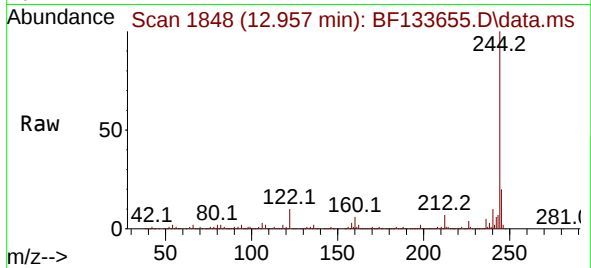




#79  
 Terphenyl-d14  
 Concen: 53.846 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. 0.000 min  
 Lab File: BF133655.D  
 Acq: 08 Jun 2023 23:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC34

Tgt Ion:244 Resp: 583567  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.8 8.6  
 122 9.8 8.5 12.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.480 min Scan# 2277  
 Delta R.T. 0.000 min  
 Lab File: BF133655.D  
 Acq: 08 Jun 2023 23:27

Tgt Ion:264 Resp: 160056  
 Ion Ratio Lower Upper  
 264 100  
 260 22.3 19.0 28.4  
 265 20.0 16.8 25.2

