

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071123\  
 Data File : BF134225.D  
 Acq On : 11 Jul 2023 21:55  
 Operator : CG\JU  
 Sample : 03509-11  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 12 01:57:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 11 13:06:48 2023  
 Response via : Initial Calibration

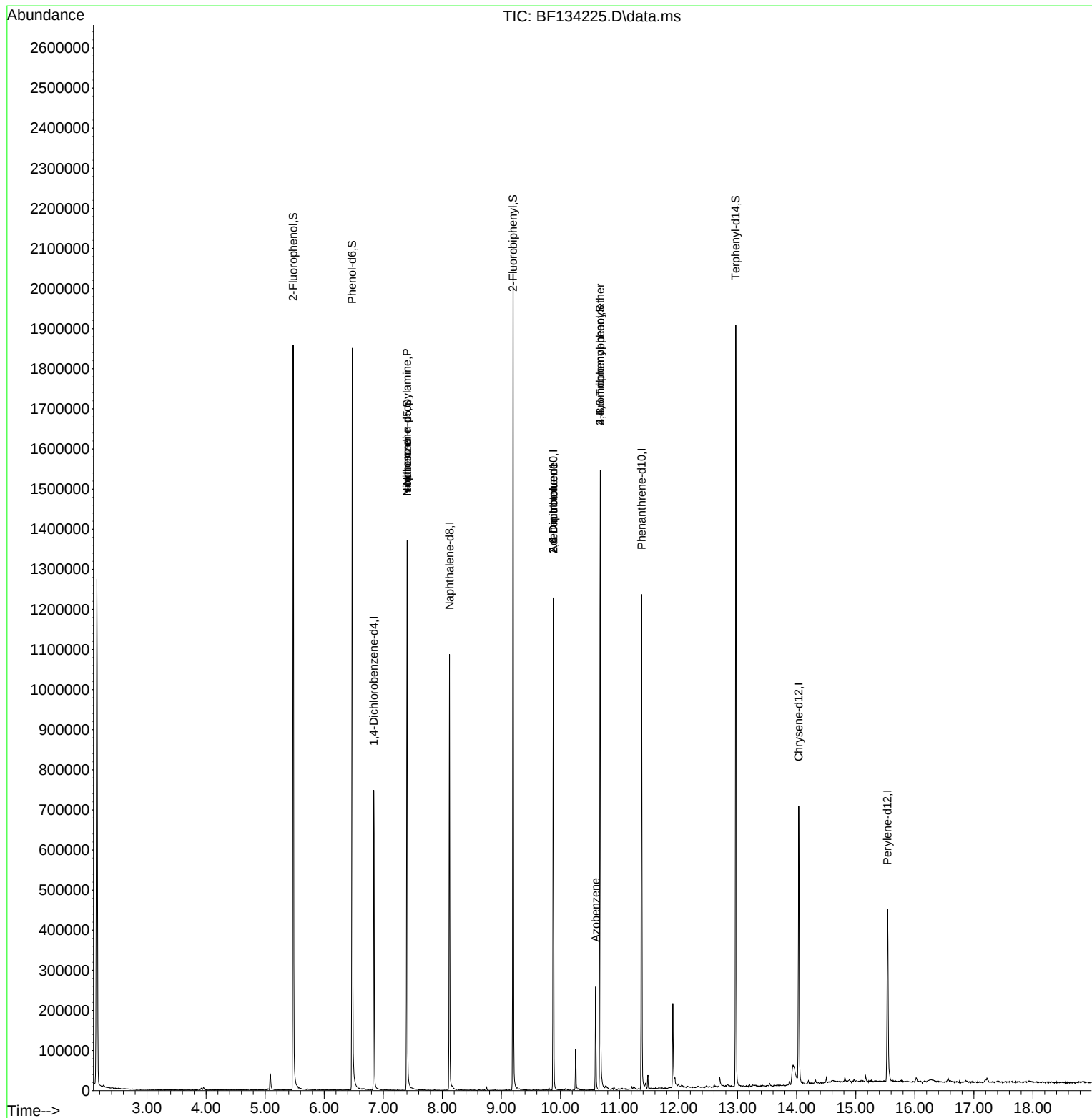
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 111983   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 438311   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.880  | 164  | 228148   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.374 | 188  | 451081   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 242511   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 219004   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 476627   | 71.197    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 579170   | 70.348    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 383160   | 47.123    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 187354   | 65.496    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 602867   | 38.418    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.969 | 244  | 634142   | 42.085    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.475  | 77   | 925      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 52648    | 10.084    | ng    | # 77     |
| 25) Isophorone                | 7.404  | 82   | 383160   | 25.928    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 28711    | 8.049     | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 28711    | 6.095     | ng    | # 22     |
| 63) Azobenzene                | 10.598 | 77   | 43807    | 2.684     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.675 | 248  | 11238    | 2.344     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

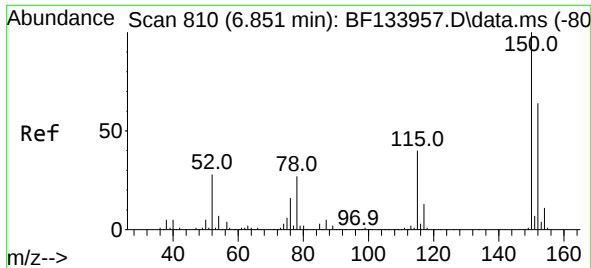
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071123\  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

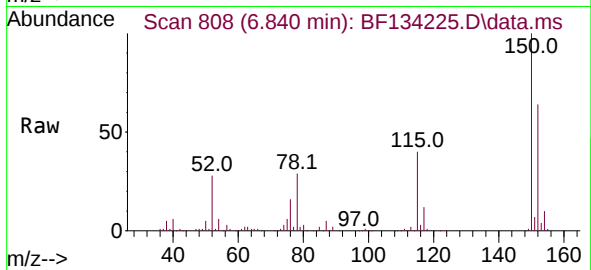
Quant Time: Jul 12 01:57:00 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 11 13:06:48 2023  
Response via : Initial Calibration



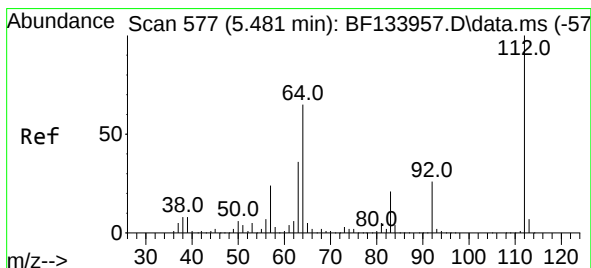
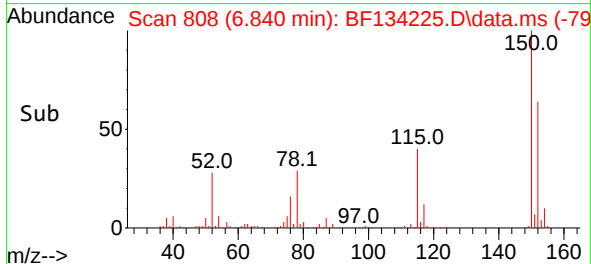
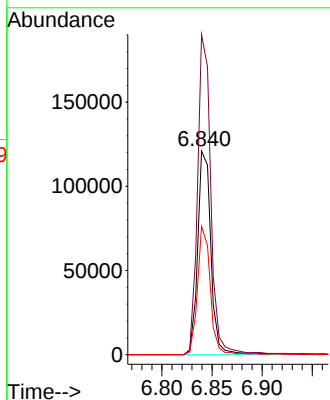


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 80  
Delta R.T. -0.005 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

Instrument :  
BNA\_F  
ClientSampleId :

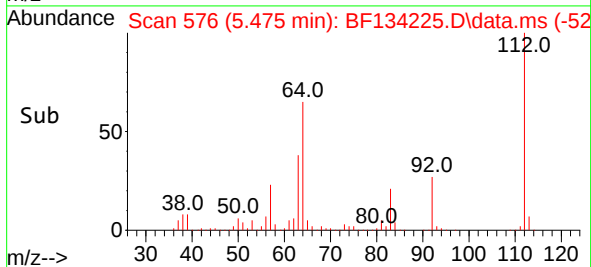
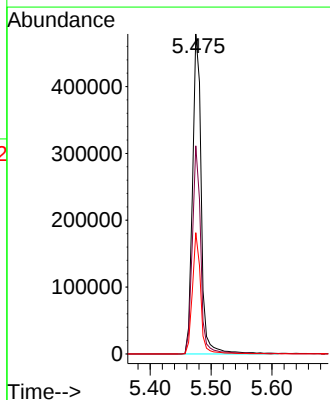
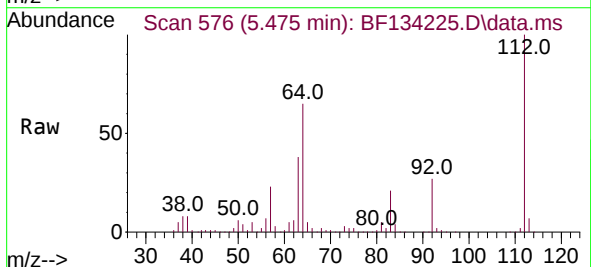


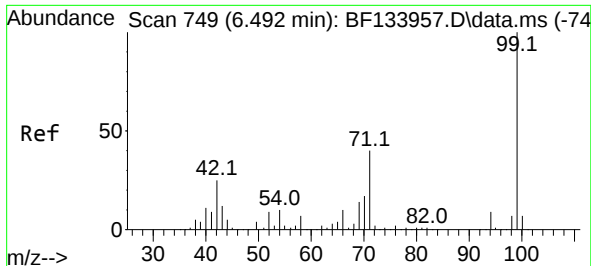
Tgt Ion:152 Resp: 111983  
Ion Ratio Lower Upper  
152 100  
150 157.0 124.5 186.7  
115 63.0 50.2 75.2



#5  
2-Fluorophenol  
Concen: 71.197 ng  
RT: 5.475 min Scan# 576  
Delta R.T. 0.000 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

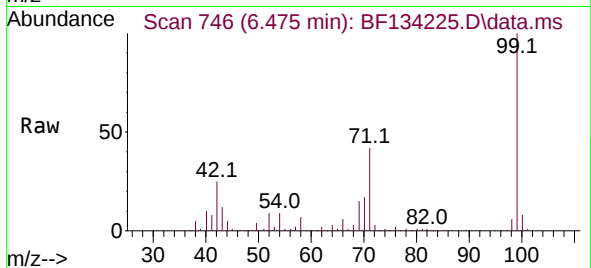
Tgt Ion:112 Resp: 476627  
Ion Ratio Lower Upper  
112 100  
64 65.1 52.1 78.1  
63 37.9 28.6 42.8



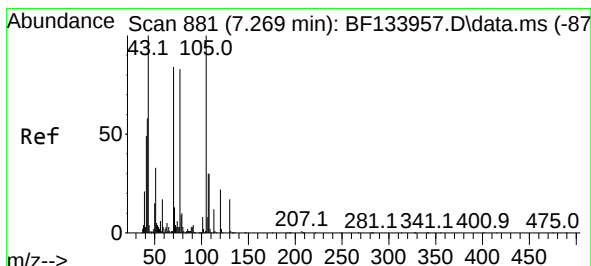
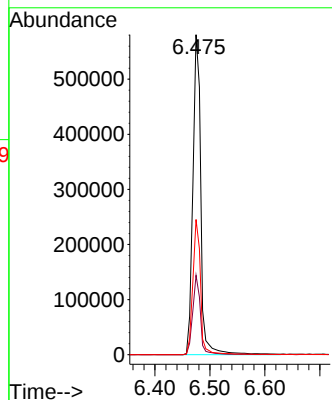
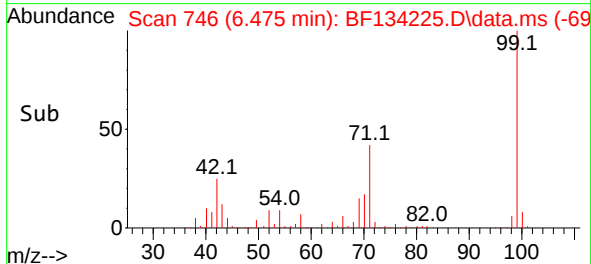


#7  
Phenol-d6  
Concen: 70.348 ng  
RT: 6.475 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

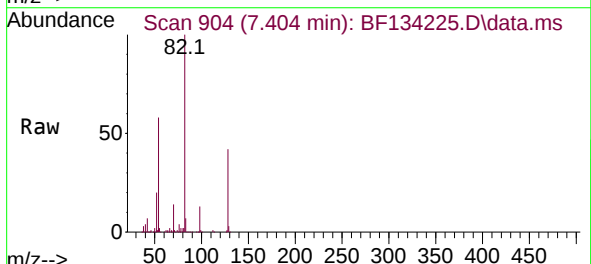
Instrument :  
BNA\_F  
ClientSampleId :



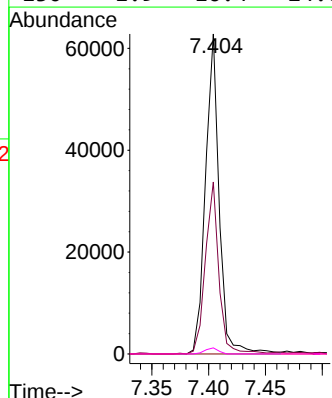
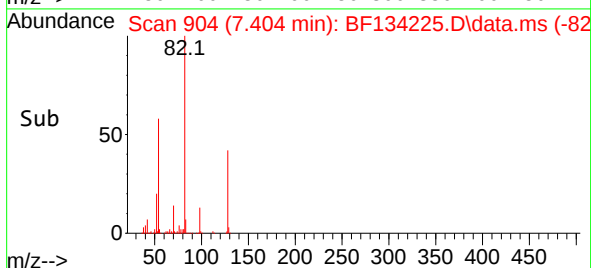
Tgt Ion: 99 Resp: 579170  
Ion Ratio Lower Upper  
99 100  
42 24.8 19.8 29.6  
71 42.3 31.9 47.9

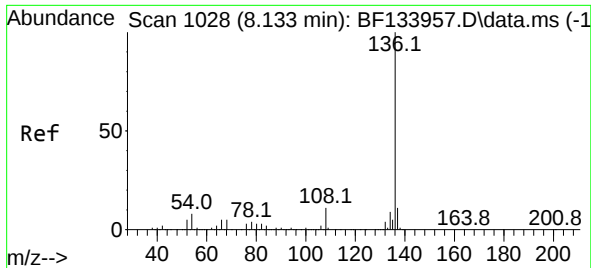


#19  
n-Nitroso-di-n-propylamine  
Concen: 10.084 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.147 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55



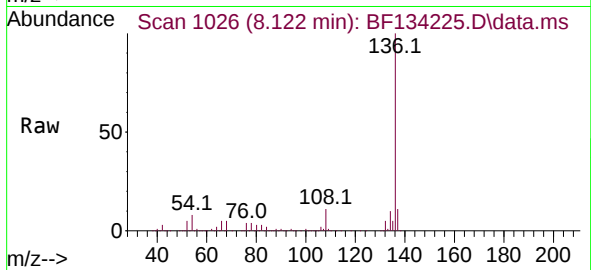
Tgt Ion: 70 Resp: 52648  
Ion Ratio Lower Upper  
70 100  
42 53.8 54.7 82.1#  
101 0.0 7.7 11.5#  
130 1.9 16.4 24.6#



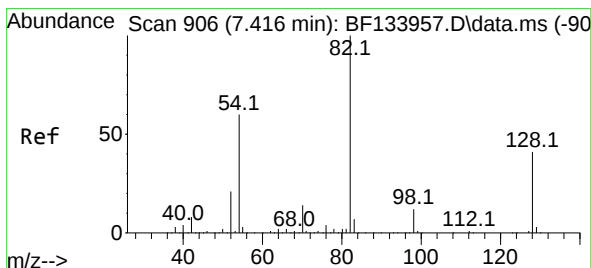
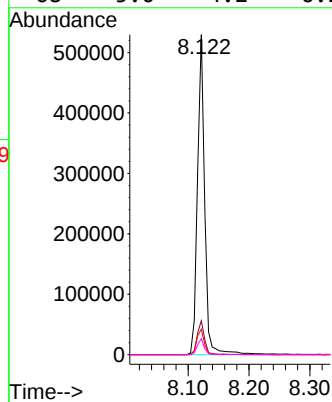
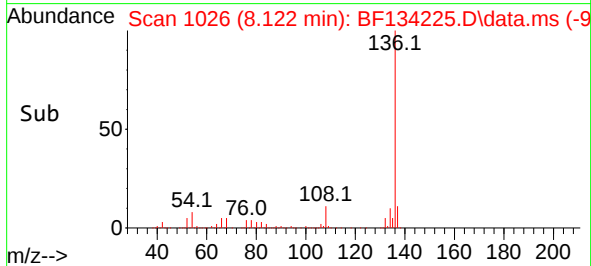


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

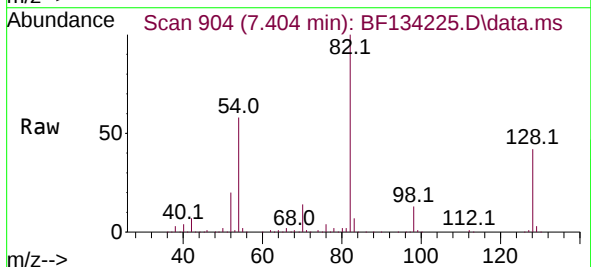
Instrument :  
BNA\_F  
ClientSampleId :



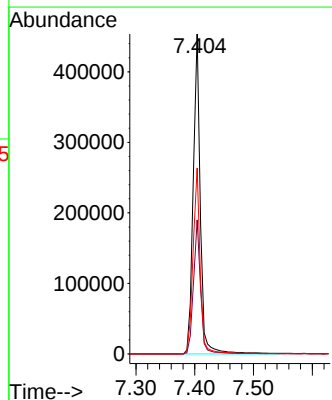
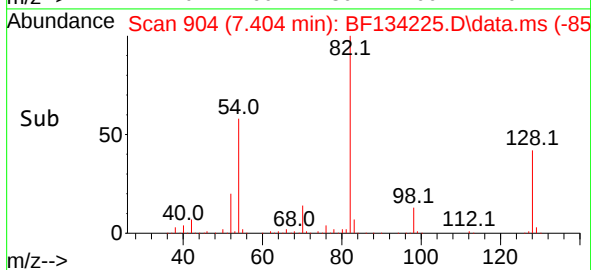
Tgt Ion:136 Resp: 438311  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 12.8  
54 7.9 6.5 9.7  
68 5.0 4.2 6.2

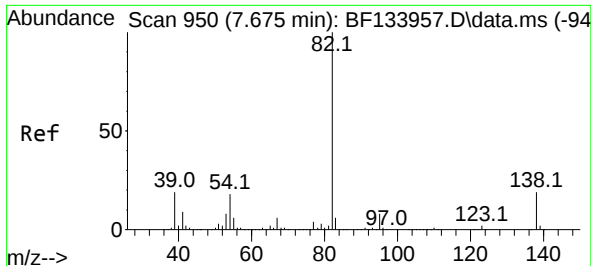


#23  
Nitrobenzene-d5  
Concen: 47.123 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55



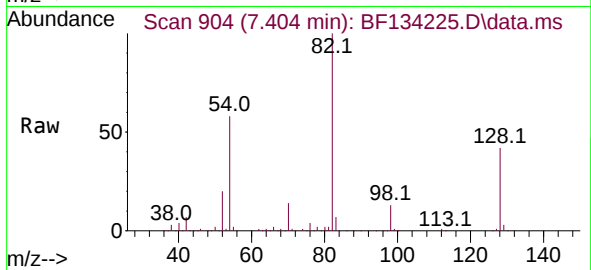
Tgt Ion: 82 Resp: 383160  
Ion Ratio Lower Upper  
82 100  
128 41.9 32.5 48.7  
54 58.1 48.2 72.2



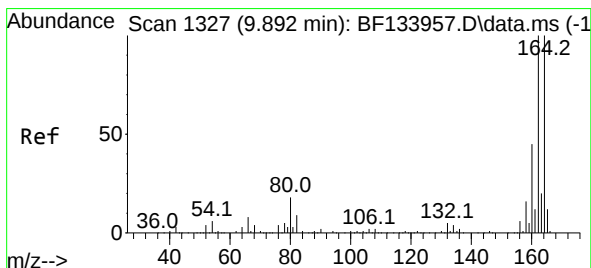
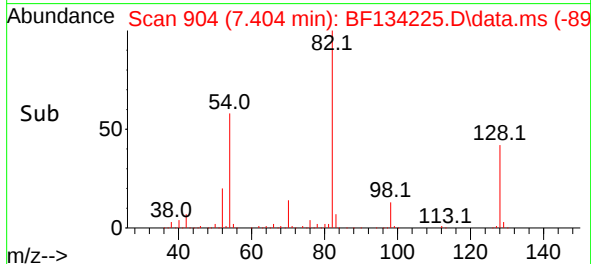
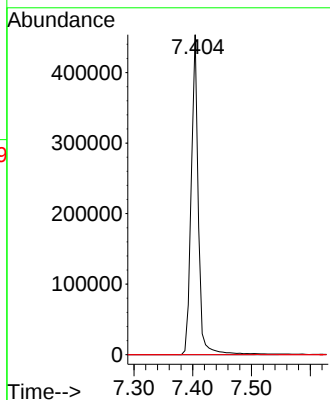


#25  
Isophorone  
Concen: 25.928 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

Instrument :  
BNA\_F  
ClientSampleId :

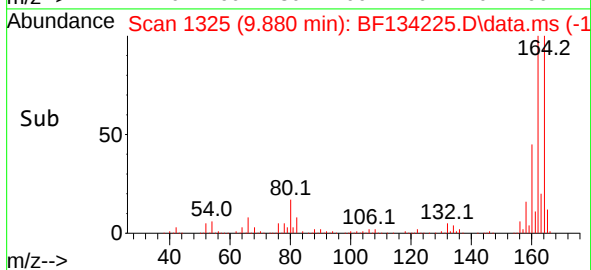
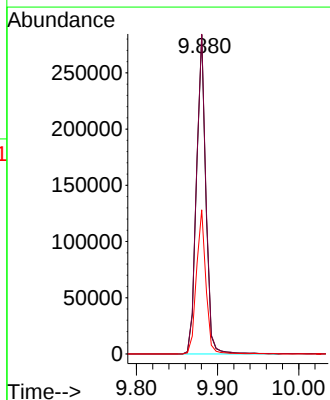
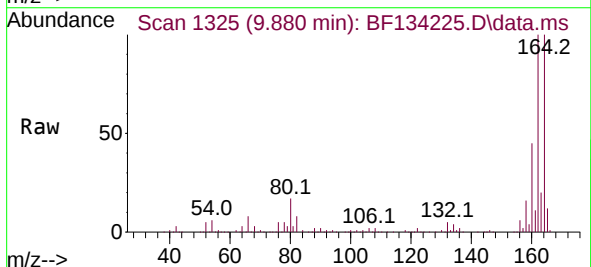


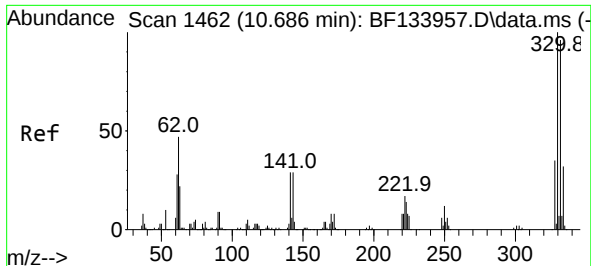
Tgt Ion: 82 Resp: 383160  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 15.2 22.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.006 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

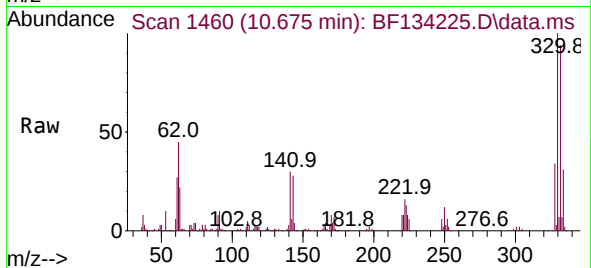
Tgt Ion: 164 Resp: 228148  
Ion Ratio Lower Upper  
164 100  
162 100.2 80.0 120.0  
160 45.2 35.9 53.9



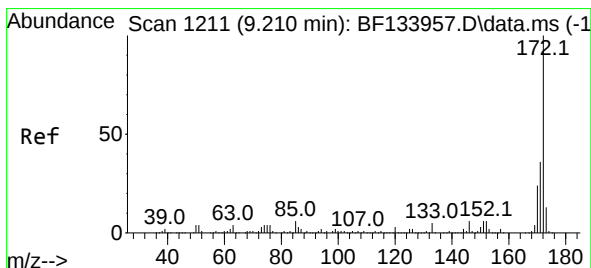
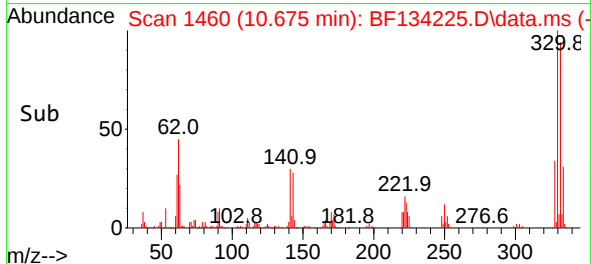
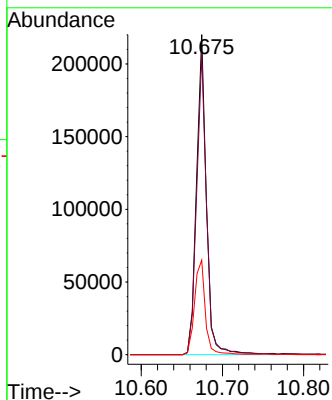


#42  
2,4,6-Tribromophenol  
Concen: 65.496 ng  
RT: 10.675 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

Instrument :  
BNA\_F  
ClientSampleId :

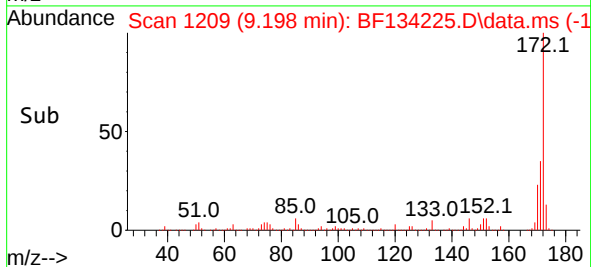
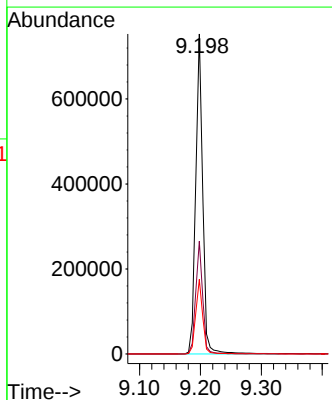
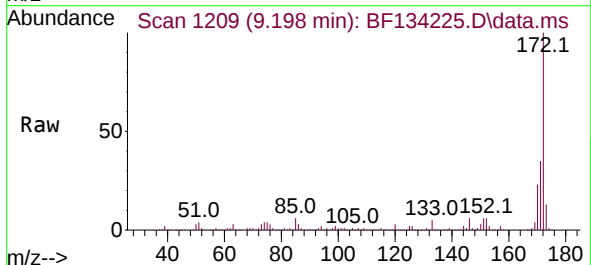


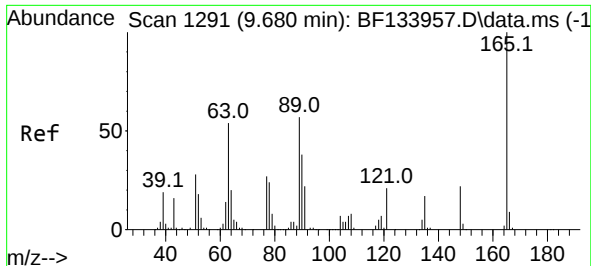
Tgt Ion:330 Resp: 187354  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.0 115.6  
141 32.1 26.3 39.5



#45  
2-Fluorobiphenyl  
Concen: 38.418 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

Tgt Ion:172 Resp: 602867  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.6 43.0  
170 23.3 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.049 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134225.D

Acq: 11 Jul 2023 21:55

Instrument :

BNA\_F

ClientSampleId :

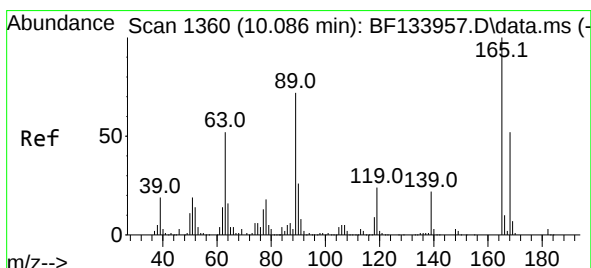
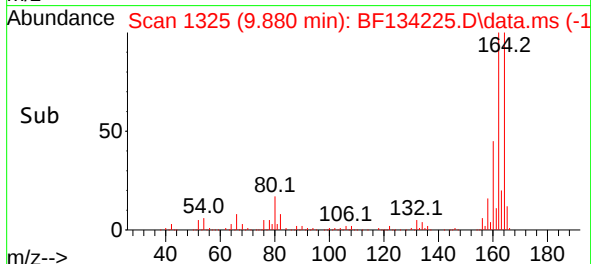
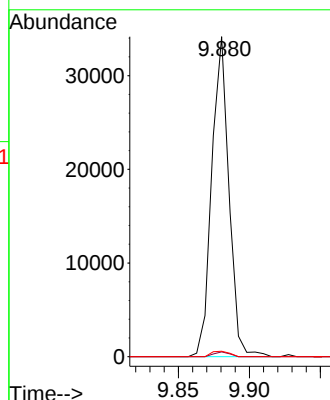
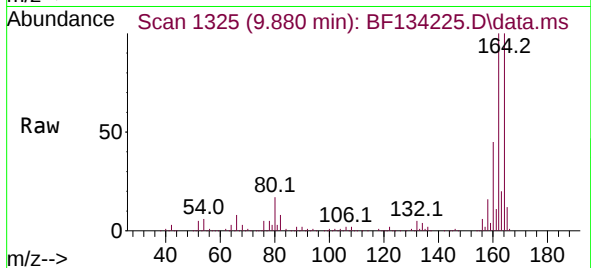
Tgt Ion:165 Resp: 28711

Ion Ratio Lower Upper

165 100

63 1.5 48.5 72.7#

89 1.7 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.095 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.200 min

Lab File: BF134225.D

Acq: 11 Jul 2023 21:55

Tgt Ion:165 Resp: 28711

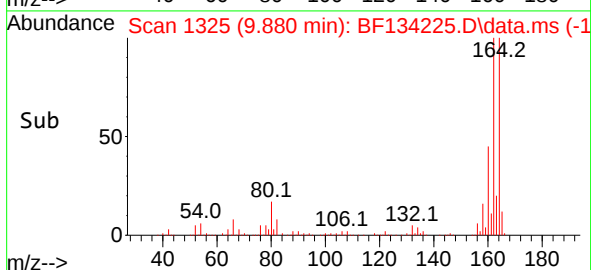
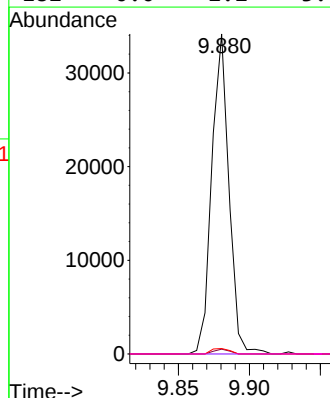
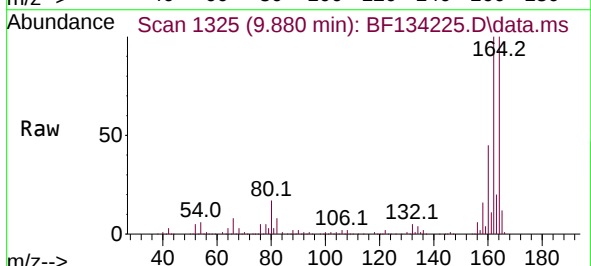
Ion Ratio Lower Upper

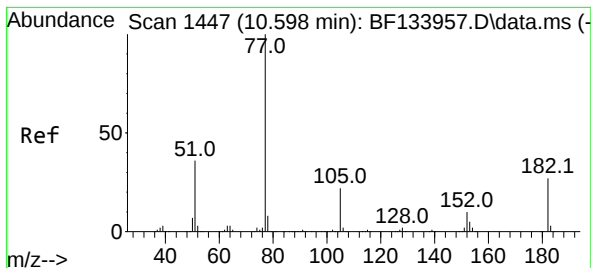
165 100

63 1.5 42.2 63.2#

89 1.7 57.4 86.2#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.684 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.006 min

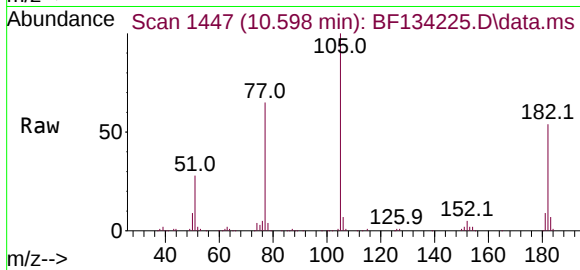
Lab File: BF134225.D

Acq: 11 Jul 2023 21:55

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion: 77 Resp: 43807

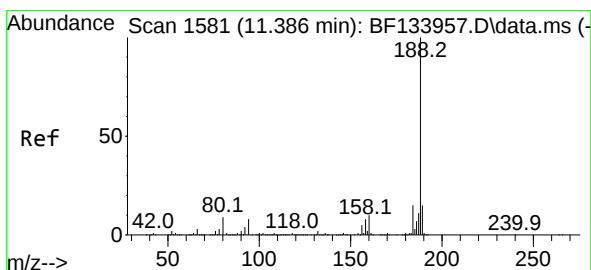
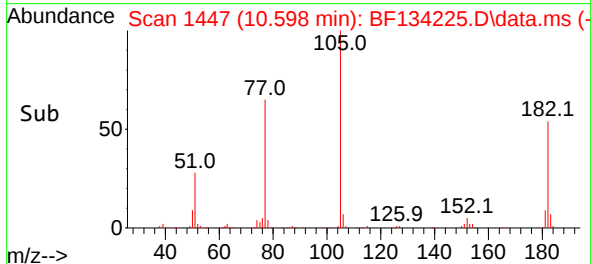
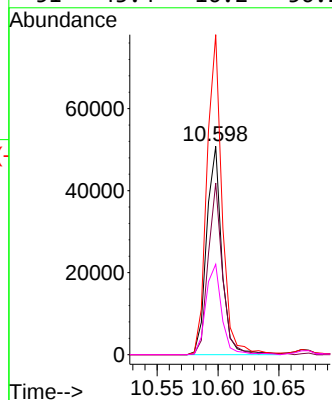
Ion Ratio Lower Upper

77 100

182 82.4 6.8 46.8#

105 153.6 2.3 42.3#

51 43.4 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF134225.D

Acq: 11 Jul 2023 21:55

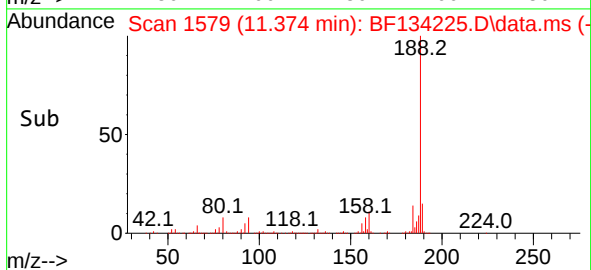
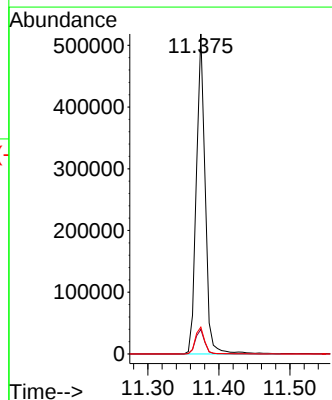
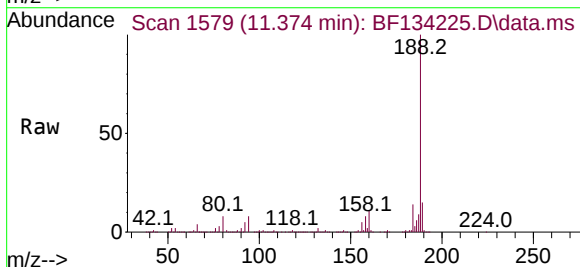
Tgt Ion: 188 Resp: 451081

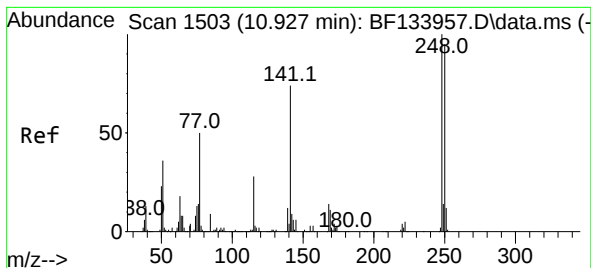
Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.4 7.3 10.9

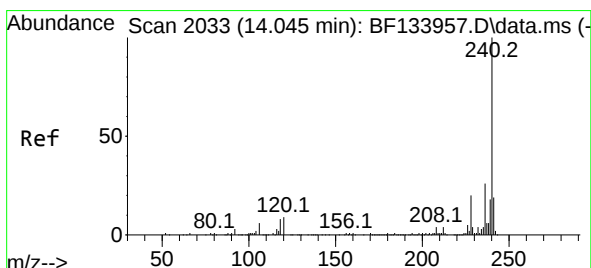
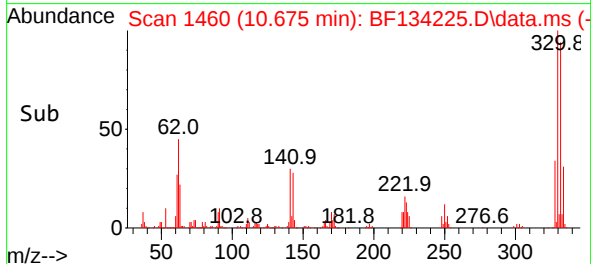
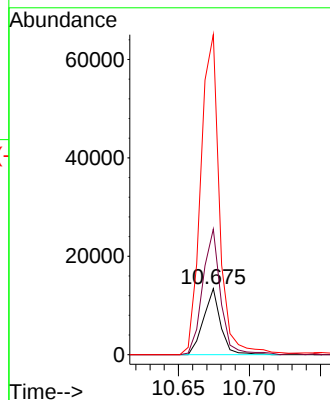
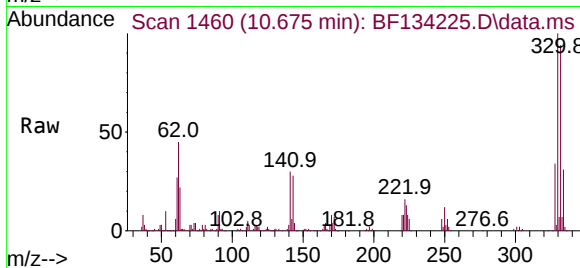




#67  
4-Bromophenyl-phenylether  
Concen: 2.344 ng  
RT: 10.675 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

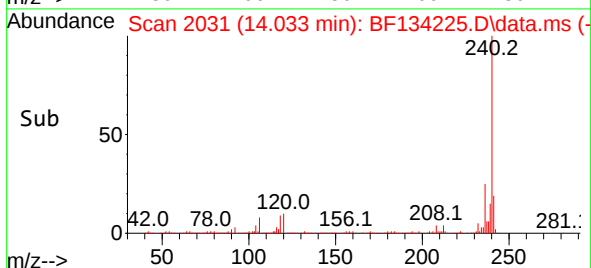
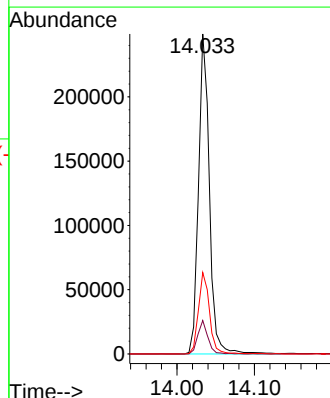
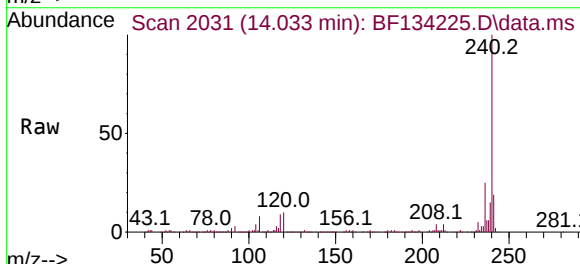
Instrument :  
BNA\_F  
ClientSampleId :

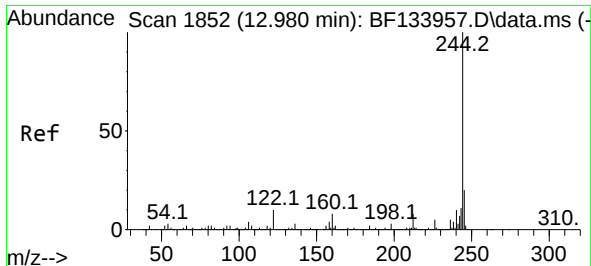
Tgt Ion:248 Resp: 11238  
Ion Ratio Lower Upper  
248 100  
250 190.2 76.2 114.4#  
141 484.2 59.0 88.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF134225.D  
Acq: 11 Jul 2023 21:55

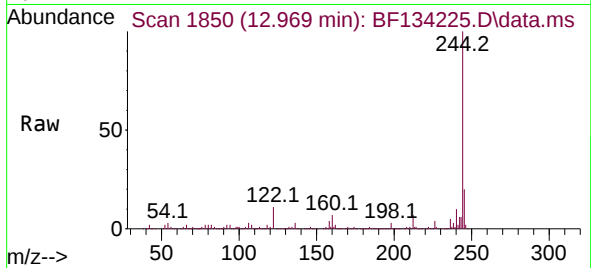
Tgt Ion:240 Resp: 242511  
Ion Ratio Lower Upper  
240 100  
120 10.4 7.4 11.0  
236 25.4 21.0 31.6



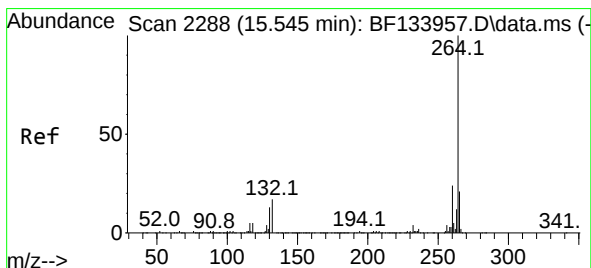
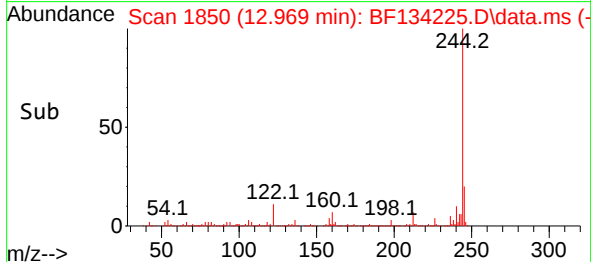
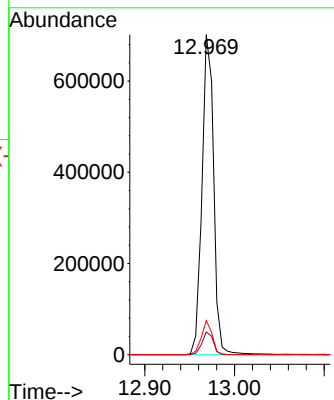


#79  
 Terphenyl-d14  
 Concen: 42.085 ng  
 RT: 12.969 min Scan# 1850  
 Delta R.T. -0.006 min  
 Lab File: BF134225.D  
 Acq: 11 Jul 2023 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 634142  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 10.7 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.539 min Scan# 2287  
 Delta R.T. -0.006 min  
 Lab File: BF134225.D  
 Acq: 11 Jul 2023 21:55

Tgt Ion:264 Resp: 219004  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.5 29.3  
 265 20.1 16.6 25.0

