

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100223\  
 Data File : BF135528.D  
 Acq On : 02 Oct 2023 15:34  
 Operator : CG\JU  
 Sample : 04668-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

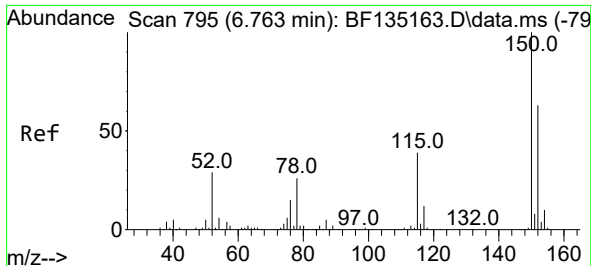
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR200027

Quant Time: Oct 03 02:55:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 30 00:12:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 144005   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.022  | 136  | 498953   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.780  | 164  | 163956   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.298 | 188  | 134554   | 20.000 | ng    | # 0.02   |
| 76) Chrysene-d12              | 13.951 | 240  | 211226   | 20.000 | ng    | # 0.02   |
| 86) Perylene-d12              | 15.398 | 264  | 318381   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.381  | 112  | 837221   | 94.559 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.392  | 99   | 1023510  | 90.911 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 599454   | 65.273 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 107510   | 65.984 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 837648   | 77.080 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.898 | 244  | 411953   | 30.233 | ng    | 0.02     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 79237    | 11.363 | ng    | # 81     |
| 25) Isophorone                | 7.304  | 82   | 600635   | 35.617 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.575  | 165  | 6196     | 2.551  | ng    | # 23     |
| 53) 3-Nitroaniline            | 9.757  | 138  | 7414     | 2.601  | ng    | # 21     |
| 54) 2,4-Dinitrophenol         | 9.845  | 184  | 134      | 6.337  | ng    | # 1      |
| 62) 4-Nitroaniline            | 10.239 | 138  | 22322    | 8.147  | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 9257     | 2.272  | ng    | # 55     |
| 69) Atrazine                  | 11.016 | 200  | 3358     | 3.064  | ng    | # 1      |
| 70) Pentachlorophenol         | 11.139 | 266  | 4714     | 5.779  | ng    | # 39     |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 61835    | 8.813  | ng    | # 25     |
| 85) Di-n-octyl phthalate      | 14.563 | 149  | 77359    | 6.700  | ng    | # 36     |
| -----                         |        |      |          |        |       |          |

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

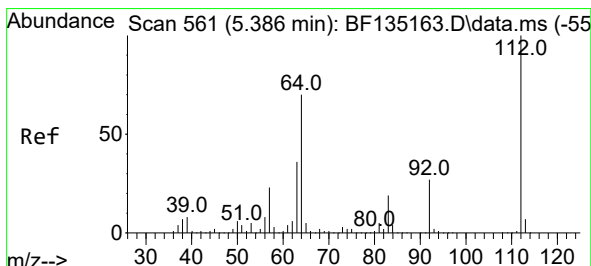
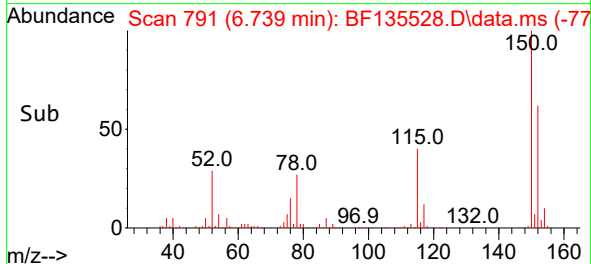
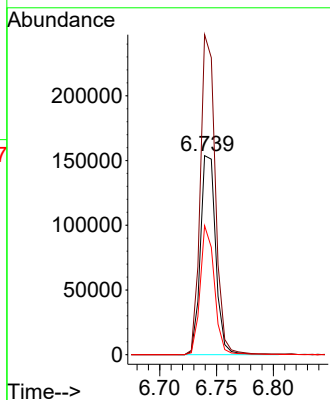
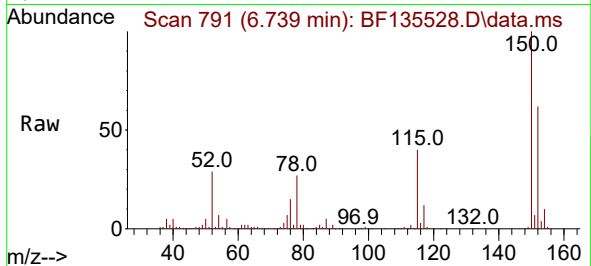




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 795  
Delta R.T. -0.012 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

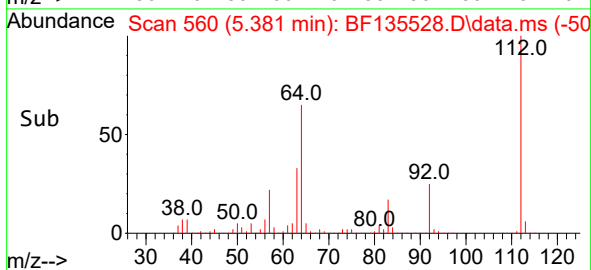
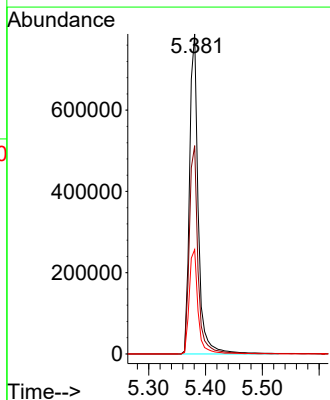
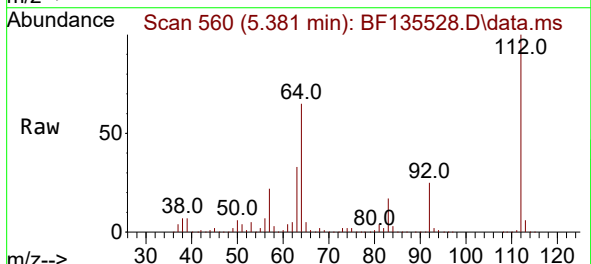
Instrument :  
BNA\_F  
ClientSampleId :  
RBR200027

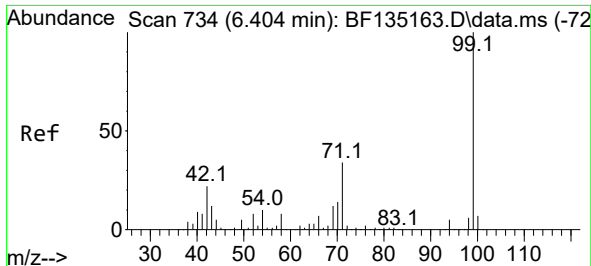
Tgt Ion:152 Resp: 144005  
Ion Ratio Lower Upper  
152 100  
150 160.8 127.8 191.6  
115 64.8 49.8 74.8



#5  
2-Fluorophenol  
Concen: 94.559 ng  
RT: 5.381 min Scan# 560  
Delta R.T. -0.000 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

Tgt Ion:112 Resp: 837221  
Ion Ratio Lower Upper  
112 100  
64 65.1 55.9 83.9  
63 32.6 29.0 43.6





#7

Phenol-d6

Concen: 90.911 ng

RT: 6.392 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Instrument :

BNA\_F

ClientSampleId :

RBR200027

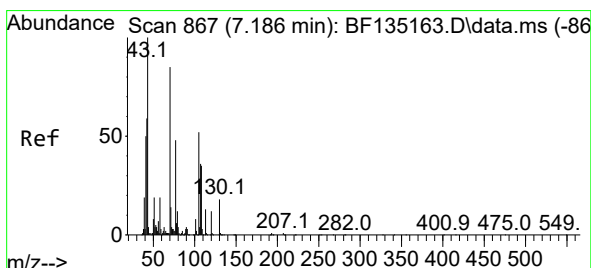
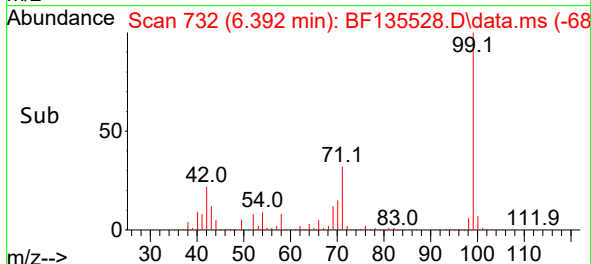
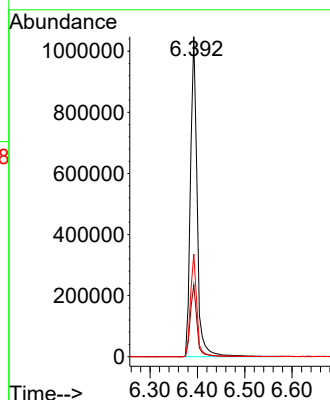
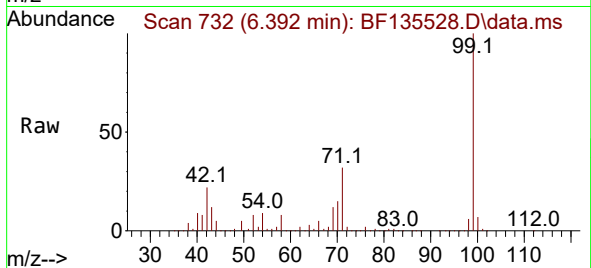
Tgt Ion: 99 Resp: 1023510

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 32.1 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.363 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.135 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Tgt Ion: 70 Resp: 79237

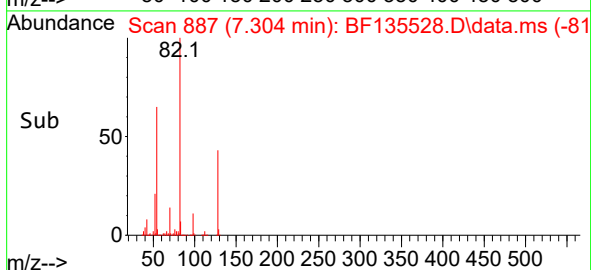
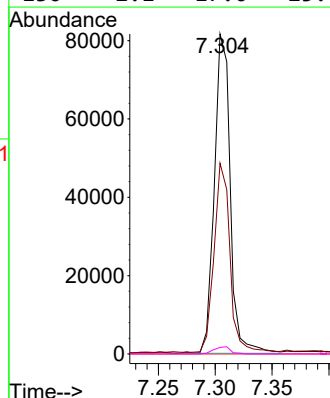
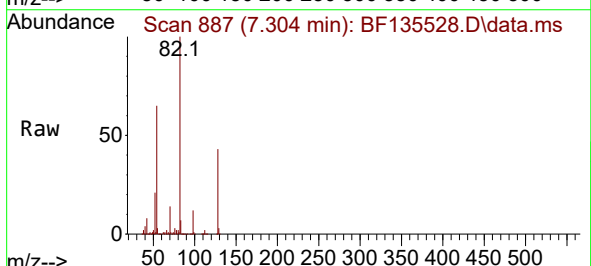
Ion Ratio Lower Upper

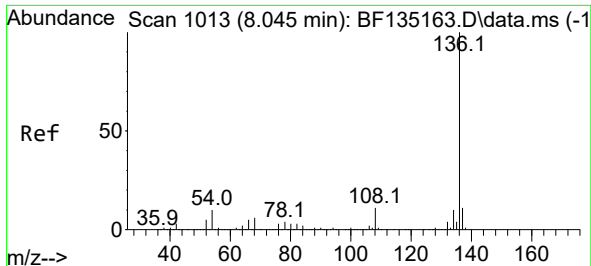
70 100

42 59.6 55.4 83.0

101 0.0 7.7 11.5#

130 2.1 17.0 25.6#

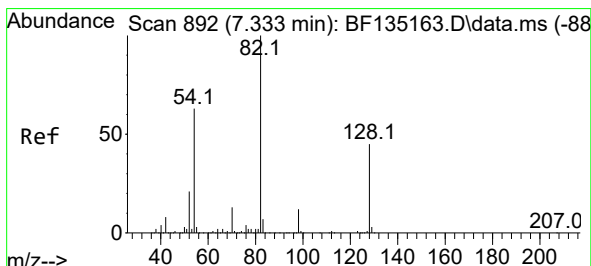
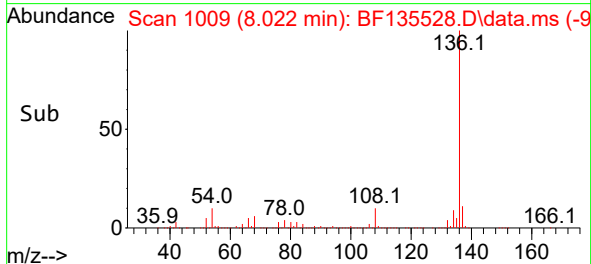
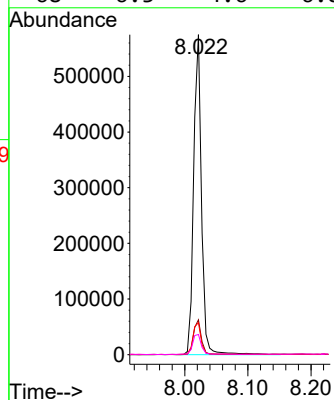
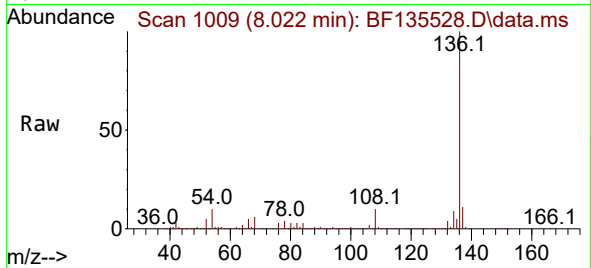




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.022 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

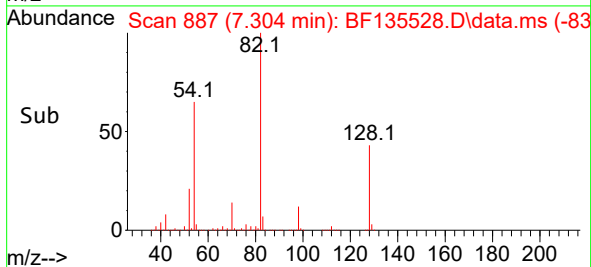
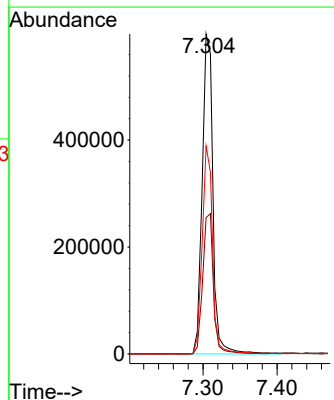
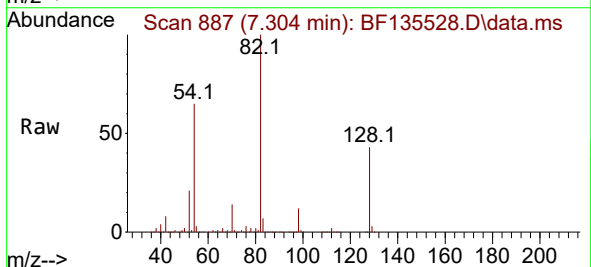
Instrument :  
BNA\_F  
ClientSampleId :  
RBR200027

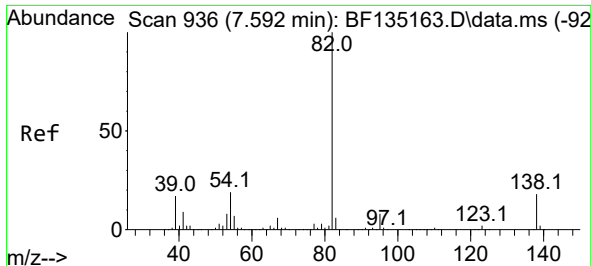
Tgt Ion:136 Resp: 498953  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 10.0 7.7 11.5  
68 6.3 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 65.273 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.018 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

Tgt Ion: 82 Resp: 599454  
Ion Ratio Lower Upper  
82 100  
128 42.6 35.8 53.6  
54 65.0 50.6 76.0

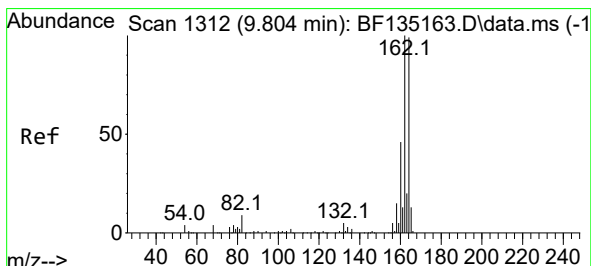
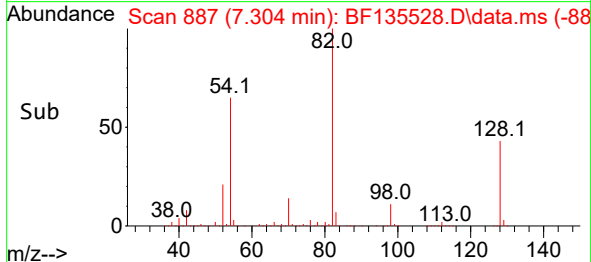
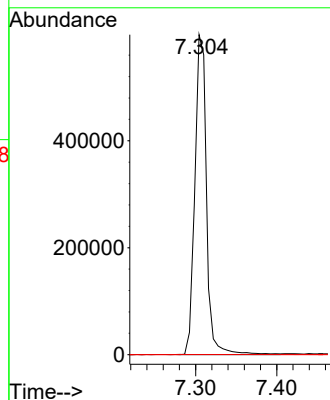
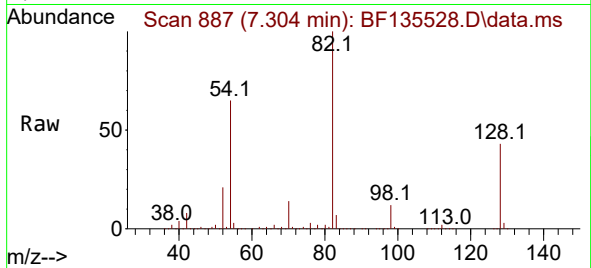




#25  
Isophorone  
Concen: 35.617 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.271 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

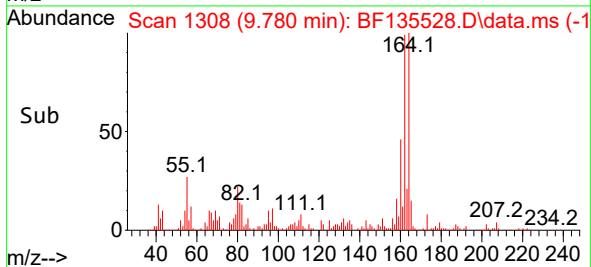
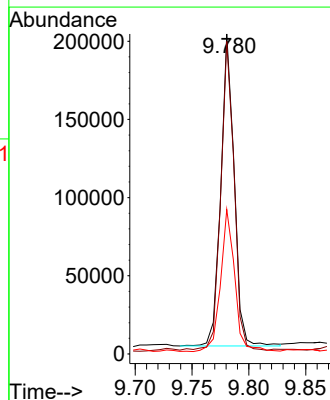
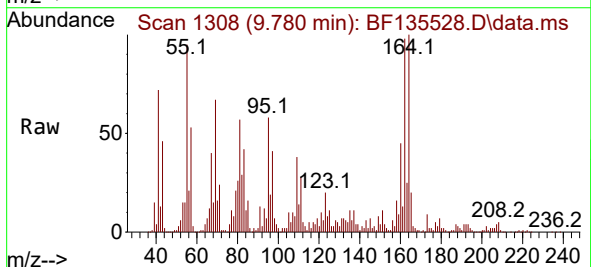
Instrument :  
BNA\_F  
ClientSampleId :  
RBR200027

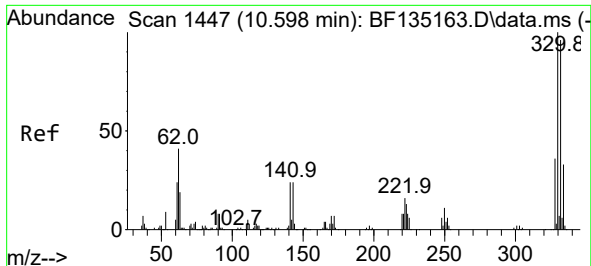
Tgt Ion: 82 Resp: 600635  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.780 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

Tgt Ion:164 Resp: 163956  
Ion Ratio Lower Upper  
164 100  
162 97.7 81.0 121.4  
160 45.1 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 65.984 ng

RT: 10.586 min Scan# 1445

Delta R.T. 0.006 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Instrument :

BNA\_F

ClientSampleId :

RBR200027

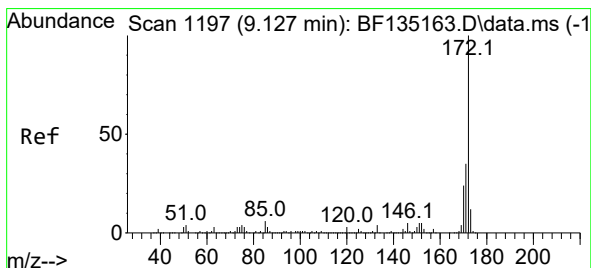
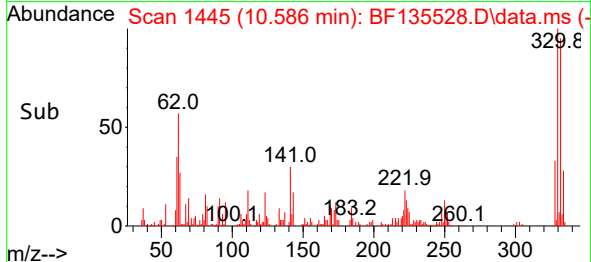
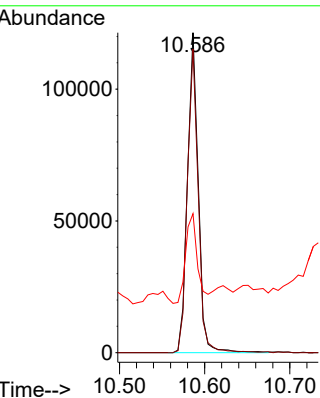
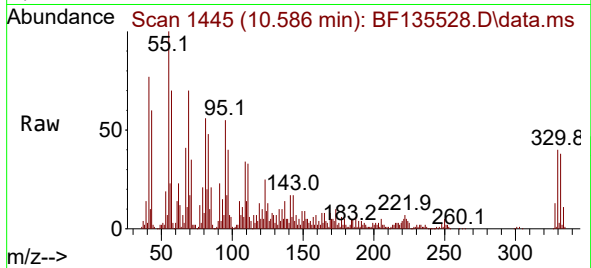
Tgt Ion:330 Resp: 107510

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 30.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 77.080 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

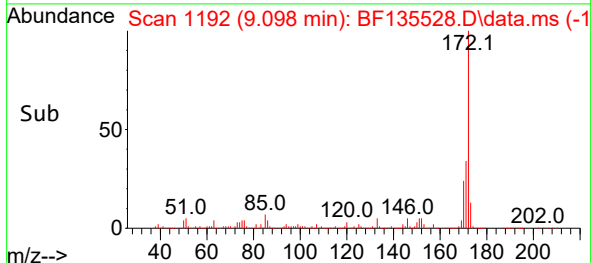
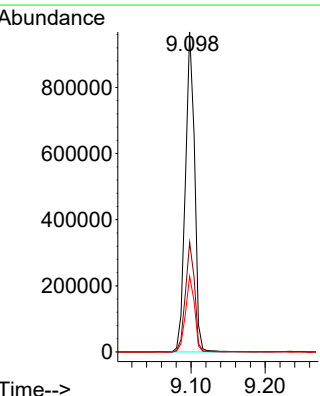
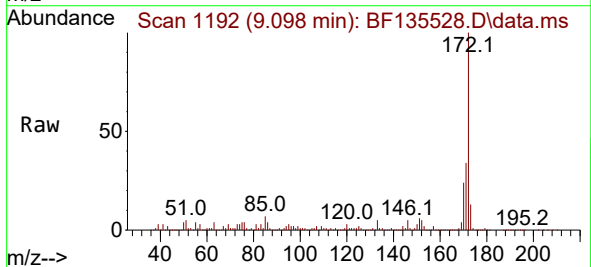
Tgt Ion:172 Resp: 837648

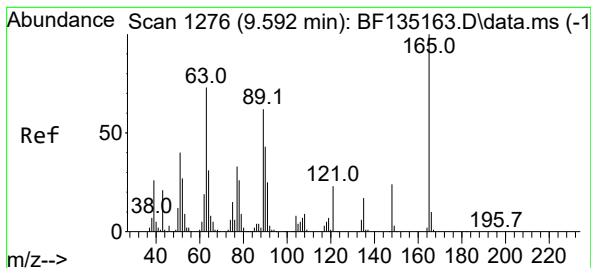
Ion Ratio Lower Upper

172 100

171 34.2 28.4 42.6

170 23.6 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 2.551 ng

RT: 9.575 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Instrument :

BNA\_F

ClientSampleId :

RBR200027

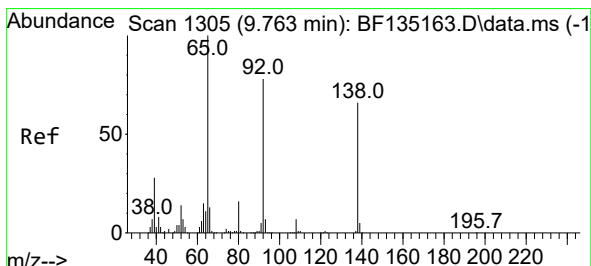
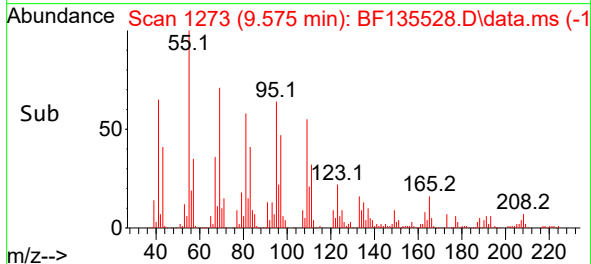
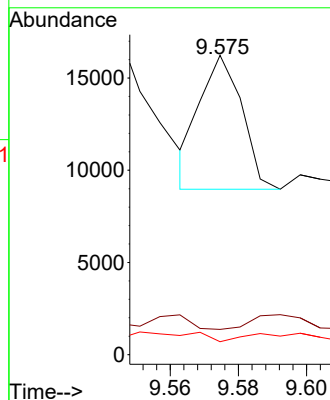
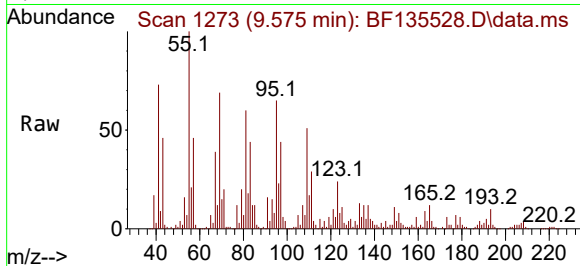
Tgt Ion:165 Resp: 6196

Ion Ratio Lower Upper

165 100

63 8.4 59.4 89.2#

89 4.3 49.8 74.8#



#53

3-Nitroaniline

Concen: 2.601 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.000 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

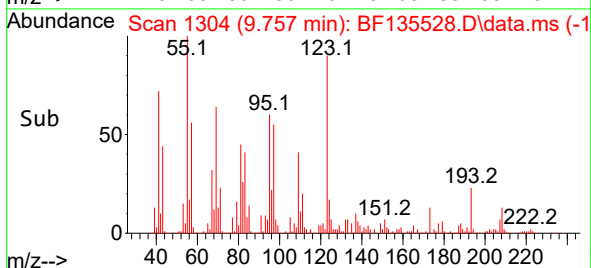
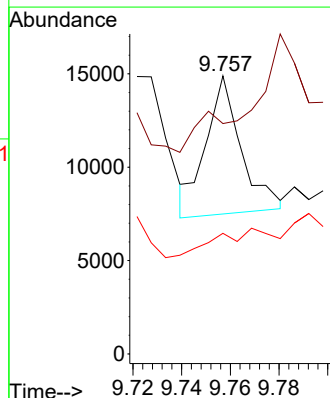
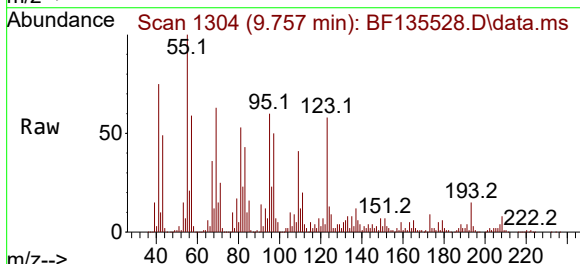
Tgt Ion:138 Resp: 7414

Ion Ratio Lower Upper

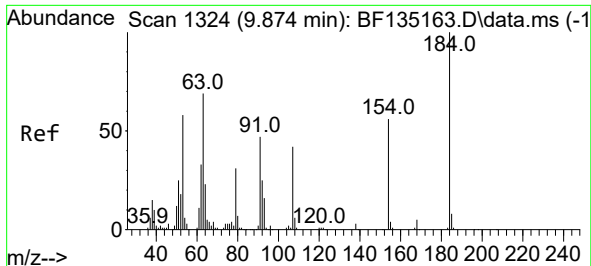
138 100

108 82.8 8.5 12.7#

92 43.4 95.4 143.0#



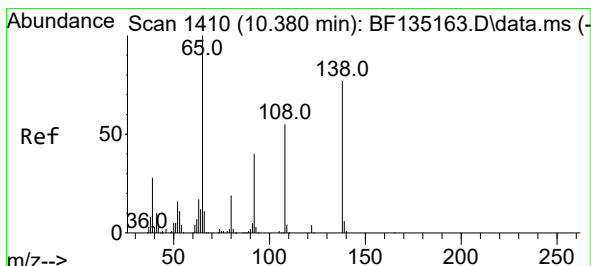
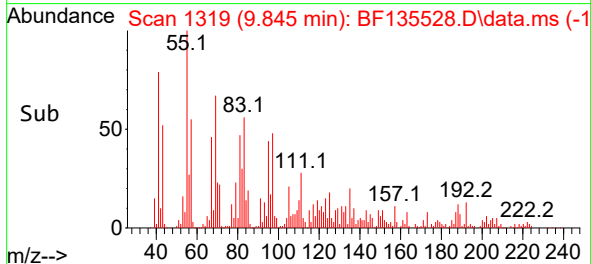
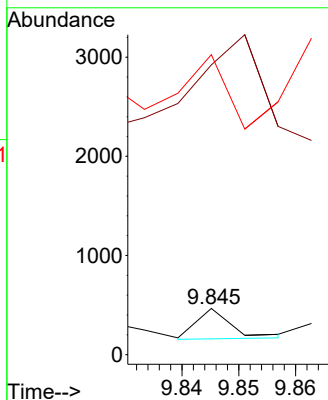
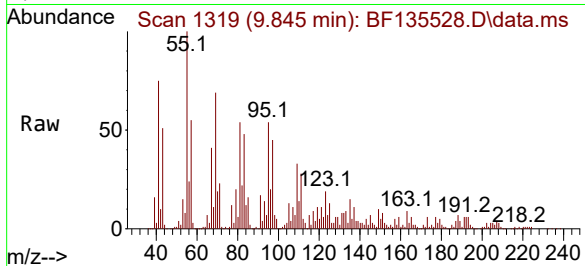




#54  
2,4-Dinitrophenol  
Concen: 6.337 ng  
RT: 9.845 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

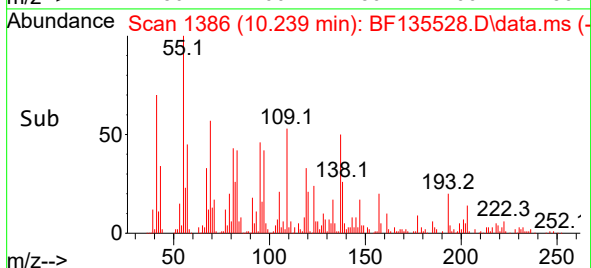
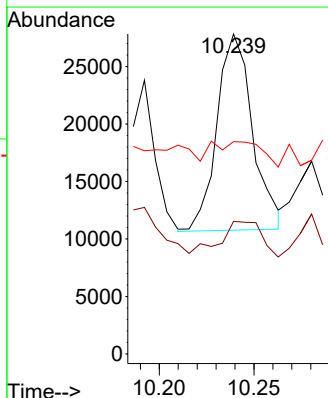
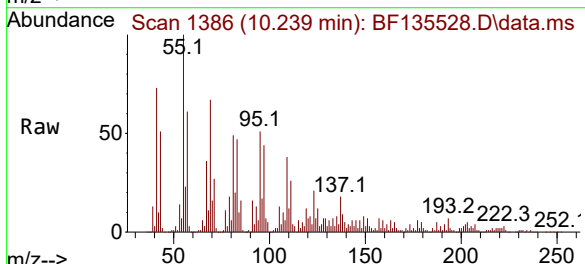
Instrument :  
BNA\_F  
ClientSampleId :  
RBR200027

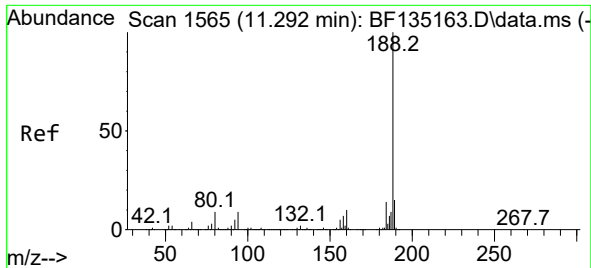
Tgt Ion:184 Resp: 134  
Ion Ratio Lower Upper  
184 100  
63 627.0 55.1 82.7#  
154 649.1 48.4 72.6#



#62  
4-Nitroaniline  
Concen: 8.147 ng  
RT: 10.239 min Scan# 1386  
Delta R.T. -0.135 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

Tgt Ion:138 Resp: 22322  
Ion Ratio Lower Upper  
138 100  
92 41.5 31.8 71.8  
108 66.4 52.0 92.0

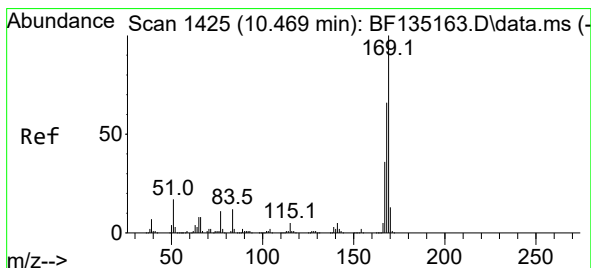
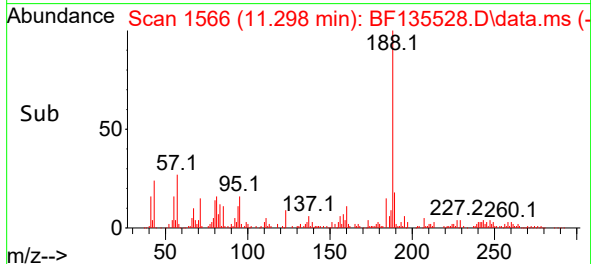
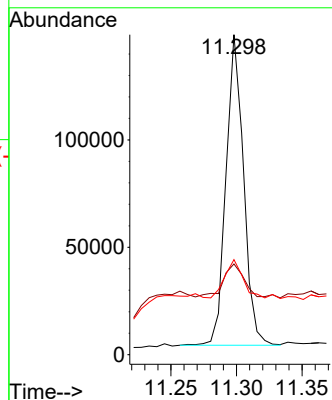
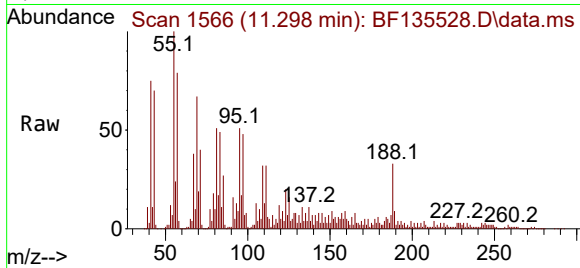




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

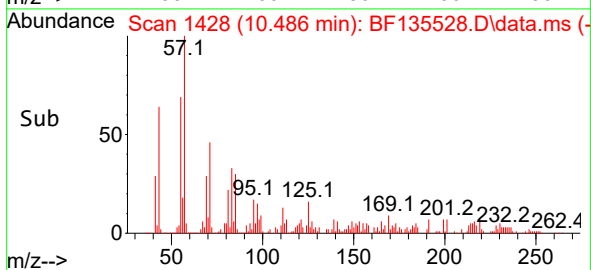
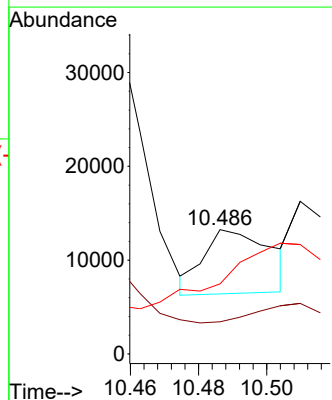
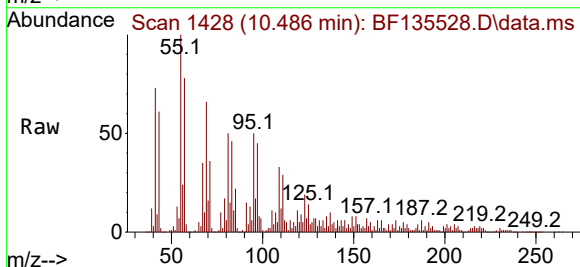
Instrument :  
BNA\_F  
ClientSampleId :  
RBR200027

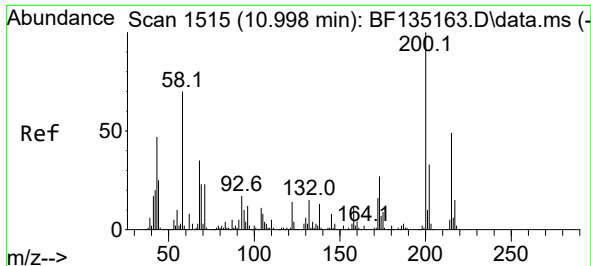
Tgt Ion:188 Resp: 134554  
Ion Ratio Lower Upper  
188 100  
94 28.4 7.0 10.6#  
80 29.7 7.5 11.3#



#66  
n-Nitrosodiphenylamine  
Concen: 2.272 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. 0.035 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

Tgt Ion:169 Resp: 9257  
Ion Ratio Lower Upper  
169 100  
168 25.9 52.8 79.2#  
167 56.4 29.0 43.6#





#69

Atrazine

Concen: 3.064 ng

RT: 11.016 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Instrument :

BNA\_F

ClientSampleId :

RBR200027

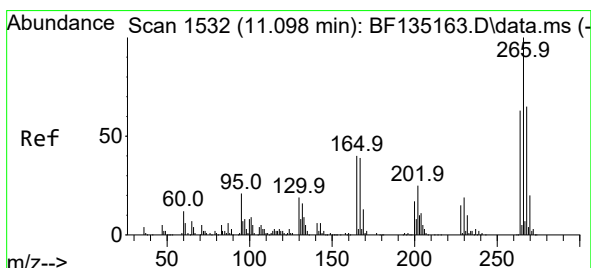
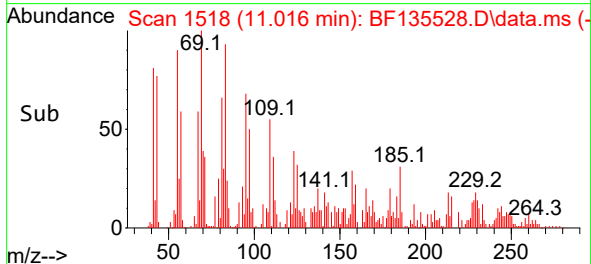
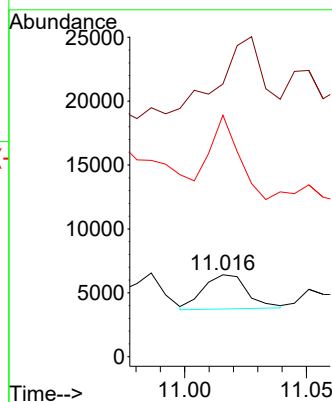
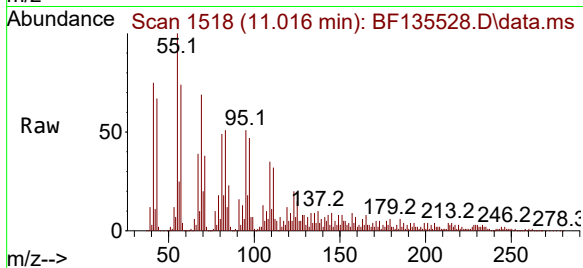
Tgt Ion:200 Resp: 3358

Ion Ratio Lower Upper

200 100

173 332.9 7.4 47.4#

215 294.7 28.6 68.6#



#70

Pentachlorophenol

Concen: 5.779 ng

RT: 11.139 min Scan# 1539

Delta R.T. 0.053 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

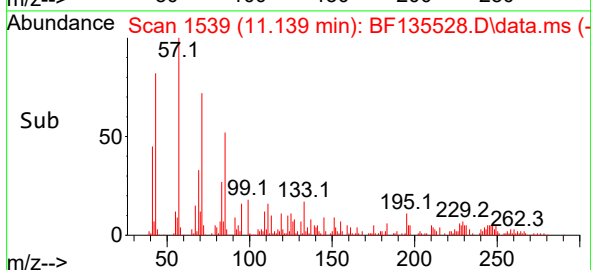
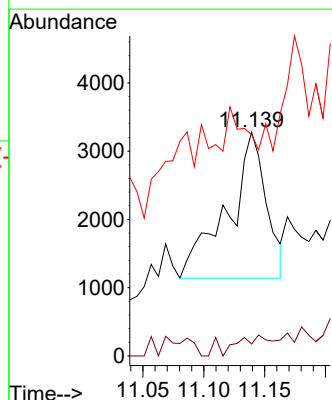
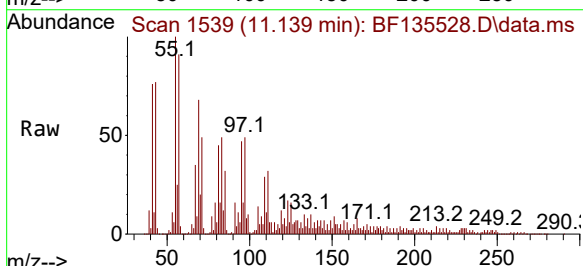
Tgt Ion:266 Resp: 4714

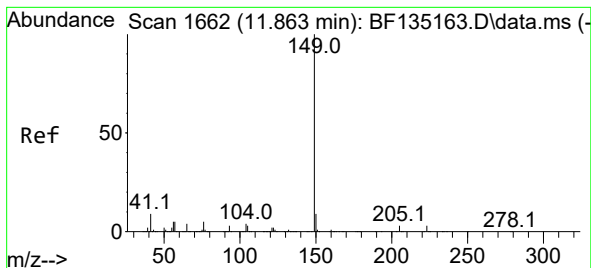
Ion Ratio Lower Upper

266 100

268 5.4 52.1 78.1#

264 98.9 50.8 76.2#





#74

Di-n-butylphthalate

Concen: 8.813 ng

RT: 11.857 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Instrument :

BNA\_F

ClientSampleId :

RBR200027

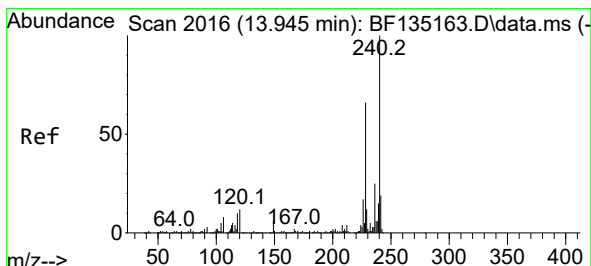
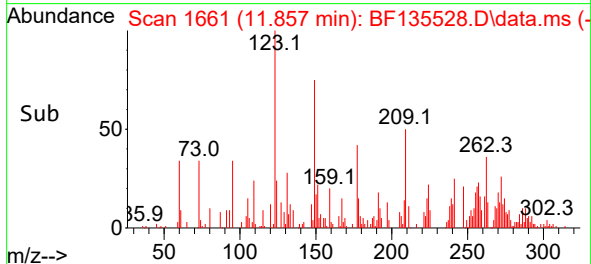
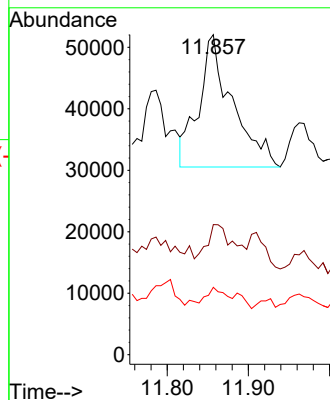
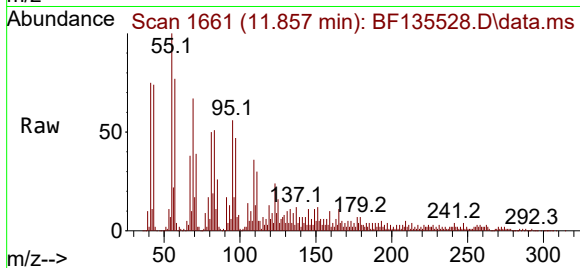
Tgt Ion:149 Resp: 61835

Ion Ratio Lower Upper

149 100

150 40.7 7.4 11.0#

104 21.0 3.6 5.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.018 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

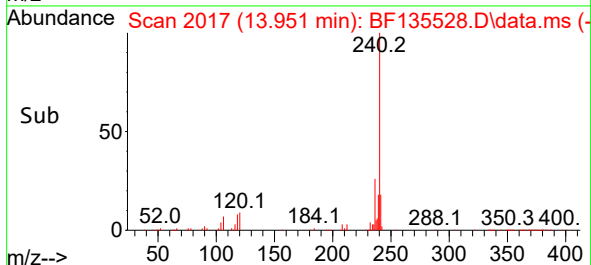
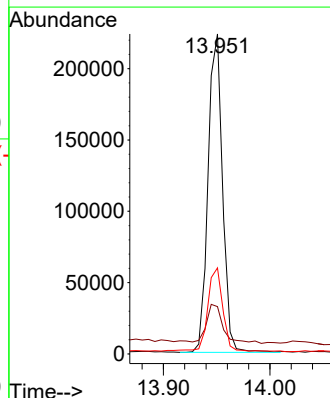
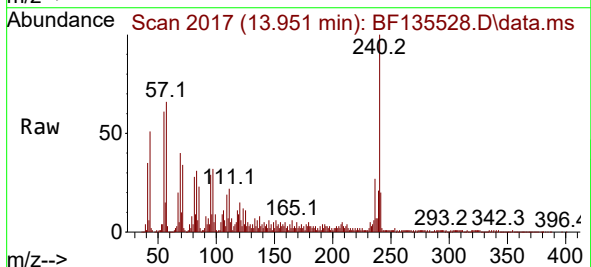
Tgt Ion:240 Resp: 211226

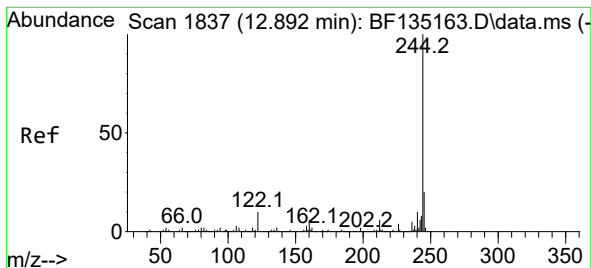
Ion Ratio Lower Upper

240 100

120 14.8 9.4 14.2#

236 26.9 19.8 29.8





#79

Terphenyl-d14

Concen: 30.233 ng

RT: 12.898 min Scan# 11

Delta R.T. 0.024 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

Instrument :

BNA\_F

ClientSampleId :

RBR200027

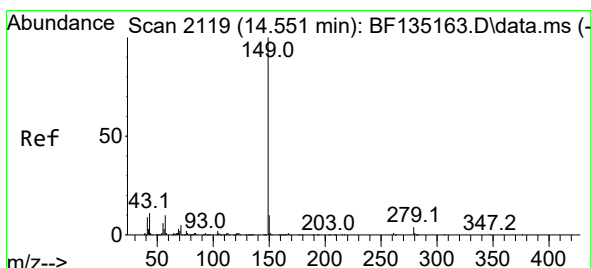
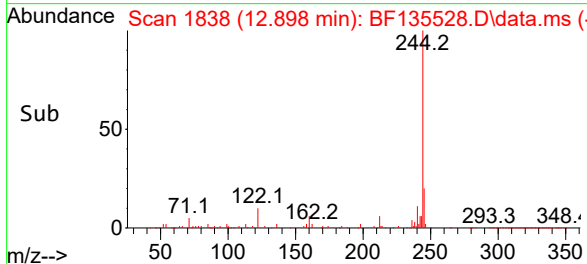
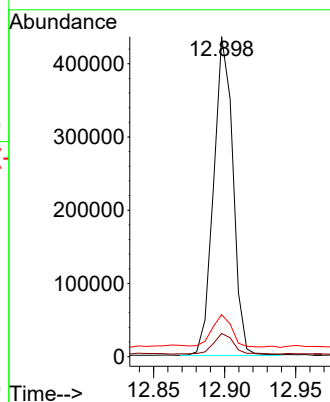
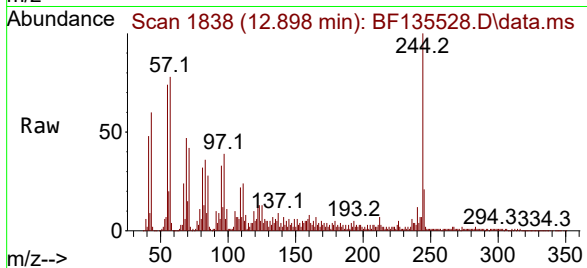
Tgt Ion:244 Resp: 411953

Ion Ratio Lower Upper

244 100

212 7.3 5.1 7.7

122 13.2 7.9 11.9#



#85

Di-n-octyl phthalate

Concen: 6.700 ng

RT: 14.563 min Scan# 2121

Delta R.T. 0.035 min

Lab File: BF135528.D

Acq: 02 Oct 2023 15:34

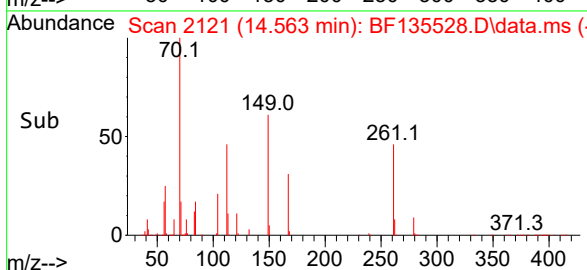
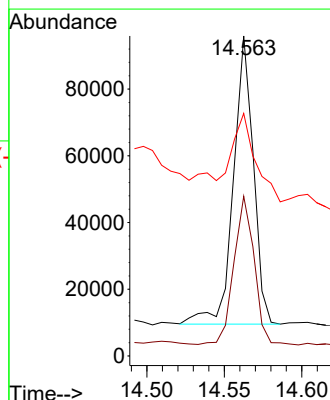
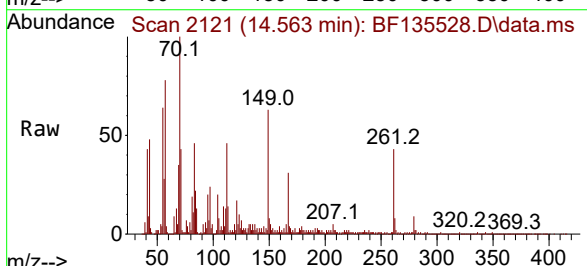
Tgt Ion:149 Resp: 77359

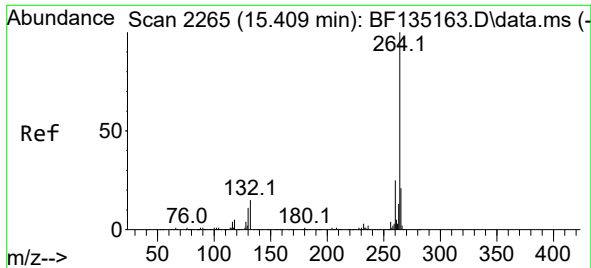
Ion Ratio Lower Upper

149 100

167 52.7 1.1 1.7#

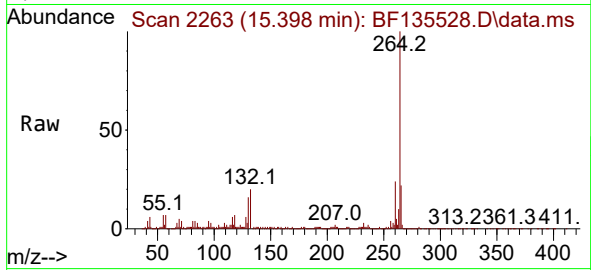
43 34.2 9.8 14.6#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.398 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF135528.D  
Acq: 02 Oct 2023 15:34

Instrument :  
BNA\_F  
ClientSampleId :  
RBR200027



Tgt Ion:264 Resp: 318381  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 19.8  | 29.6  |
| 265 | 21.7  | 17.0  | 25.4  |

