

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101024\  
 Data File : BF139756.D  
 Acq On : 10 Oct 2024 19:52  
 Operator : RC/JU  
 Sample : P4375-17  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-PADS-9

Quant Time: Oct 10 23:20:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

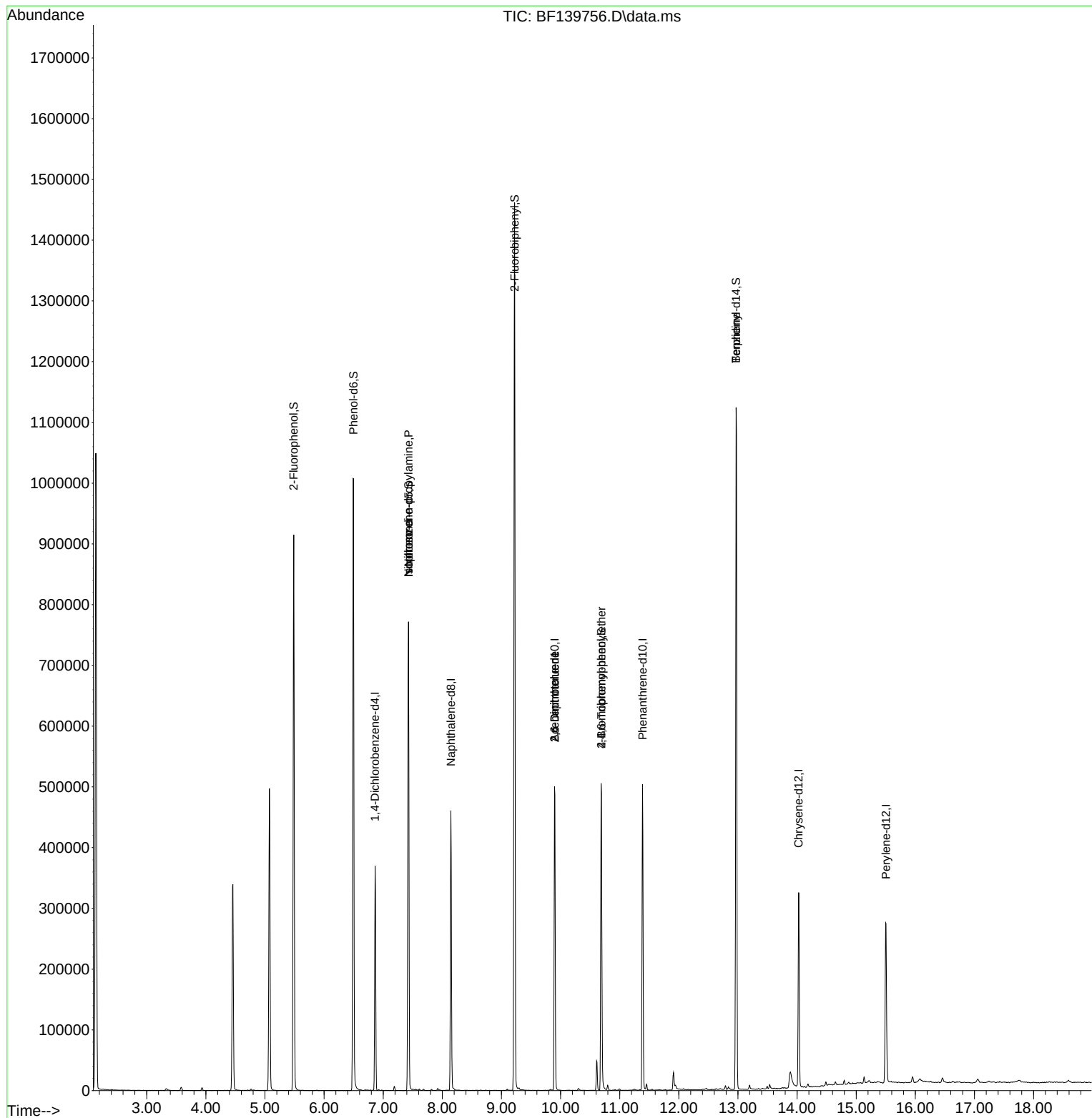
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 73852    | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 279591   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 153732   | 20.000 | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.386 | 188  | 267436   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 151911   | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 160794   | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 314041   | 73.703 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 468267   | 81.722 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 327066   | 59.227 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 83464    | 56.241 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 634032   | 63.315 | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.968 | 244  | 562079   | 60.712 | ng     | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 44189    | 11.995 | ng     | # 74     |
| 25) Isophorone                | 7.428  | 82   | 323556   | 32.989 | ng     | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 19286    | 8.484  | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 19286    | 6.490  | ng     | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 5672     | 2.069  | ng     | # 1      |
| 77) Benzidine                 | 12.968 | 184  | 6761     | 2.523  | ng     | # 89     |
| -----                         |        |      |          |        |        |          |

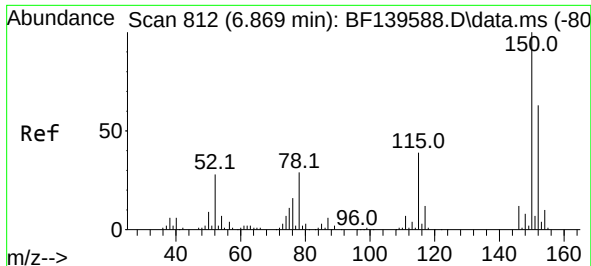
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 23:20:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 02 04:58:47 2024  
Response via : Initial Calibration

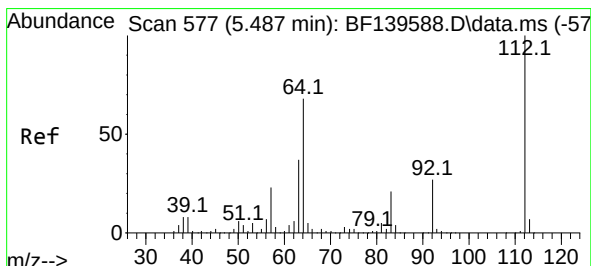
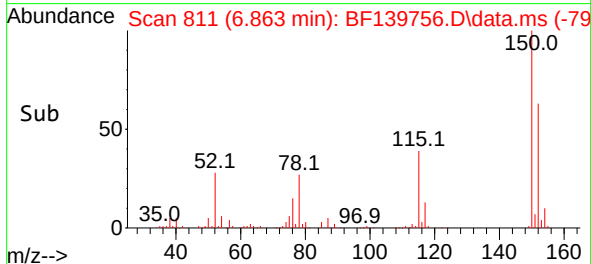
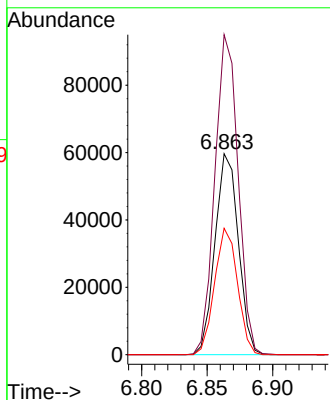
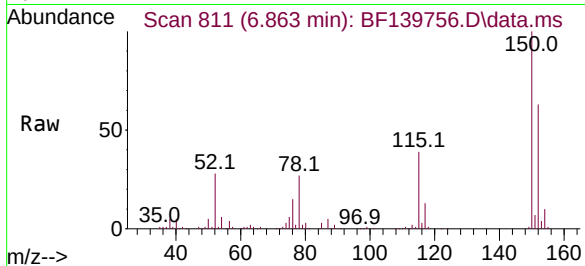




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

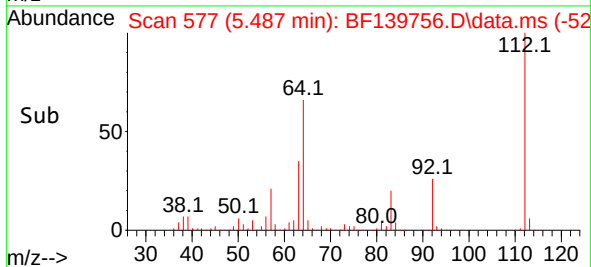
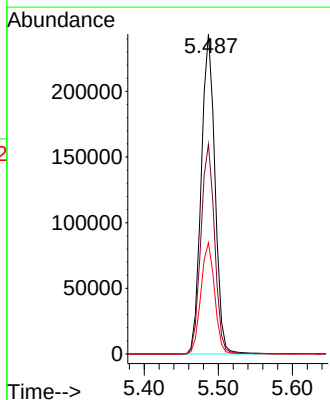
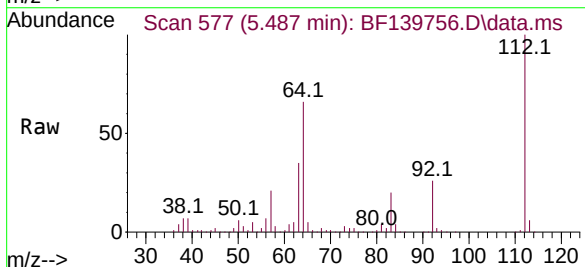
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-9

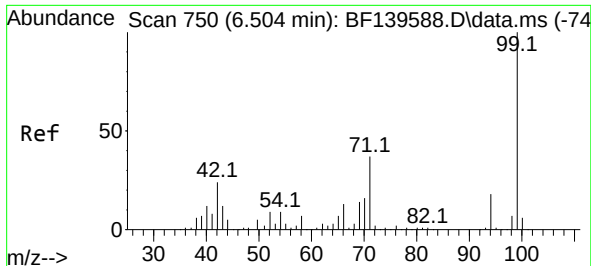
Tgt Ion:152 Resp: 73852  
Ion Ratio Lower Upper  
152 100  
150 159.3 127.2 190.8  
115 62.9 49.0 73.4



#5  
2-Fluorophenol  
Concen: 73.703 ng  
RT: 5.487 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

Tgt Ion:112 Resp: 314041  
Ion Ratio Lower Upper  
112 100  
64 65.6 54.2 81.4  
63 34.8 29.4 44.2

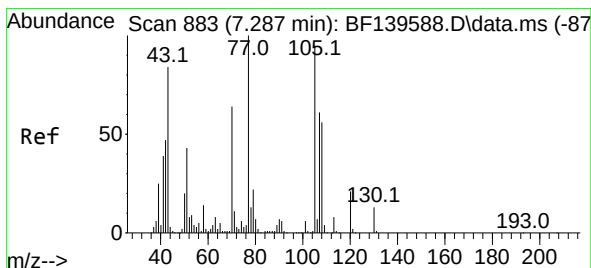
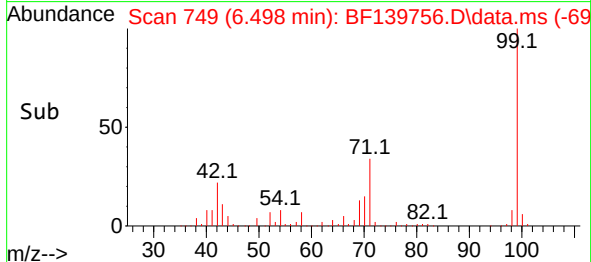
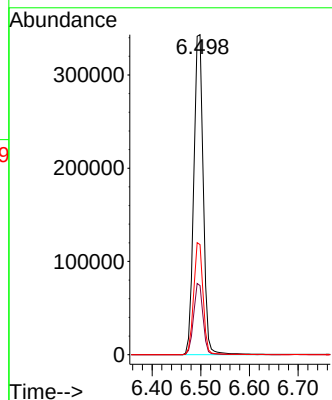
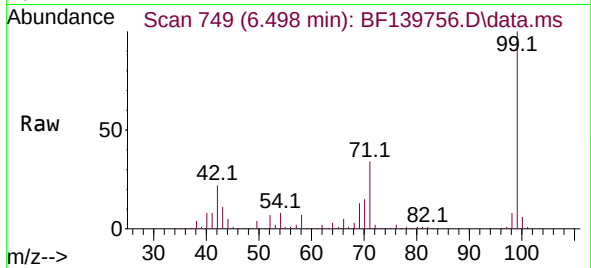




#7  
Phenol-d6  
Concen: 81.722 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

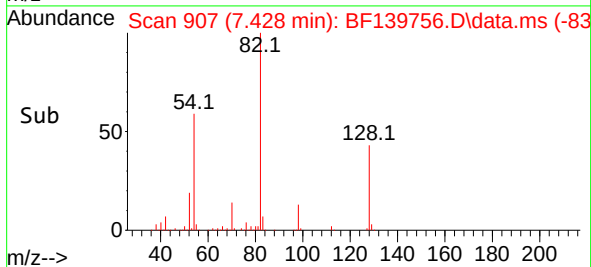
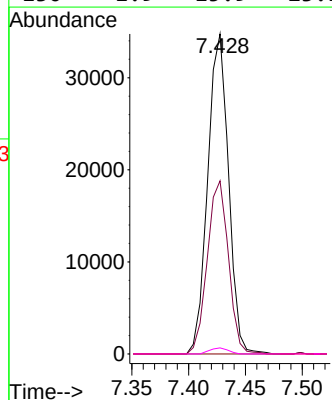
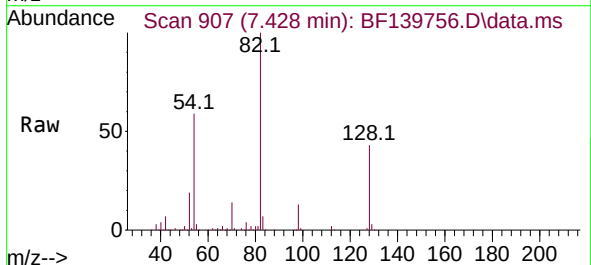
Instrument :  
BNA\_F  
ClientSampleId :  
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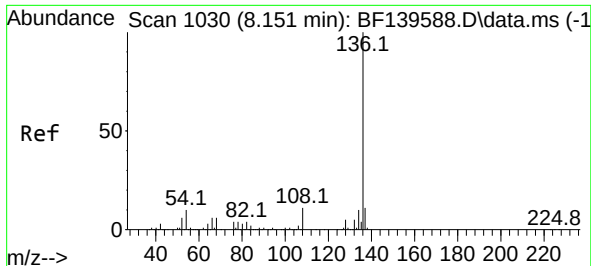
Tgt Ion: 99 Resp: 468267  
Ion Ratio Lower Upper  
99 100  
42 21.6 19.1 28.7  
71 34.4 29.7 44.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.995 ng  
RT: 7.428 min Scan# 907  
Delta R.T. 0.141 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

Tgt Ion: 70 Resp: 44189  
Ion Ratio Lower Upper  
70 100  
42 54.1 58.0 87.0#  
101 0.0 7.8 11.8#  
130 1.9 15.9 23.9#

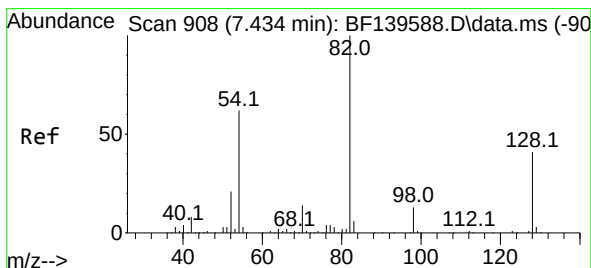
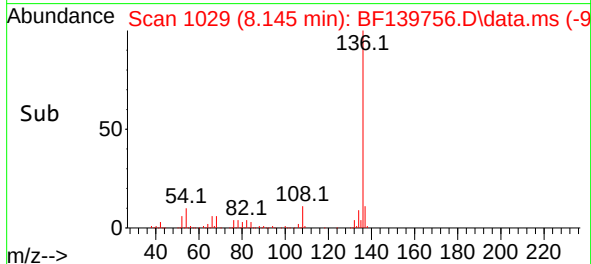
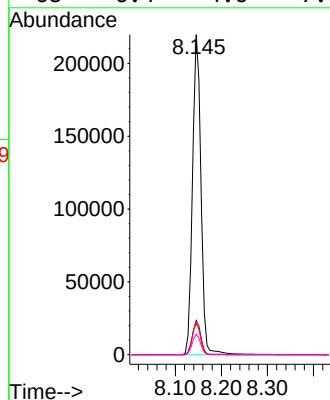
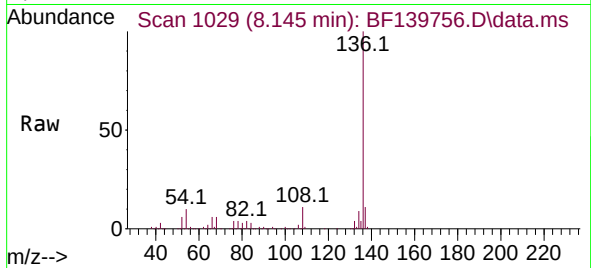




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

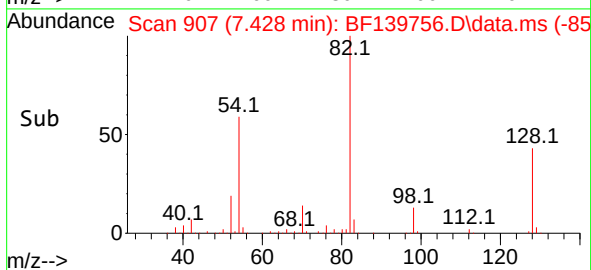
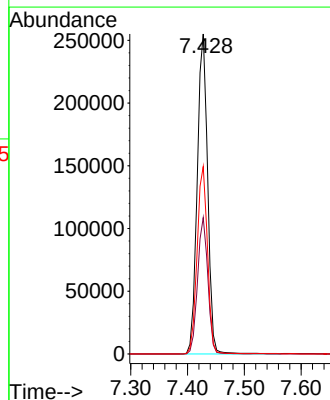
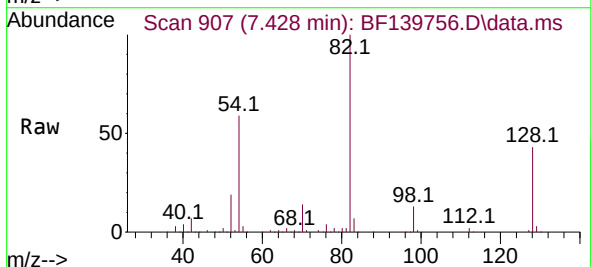
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-9

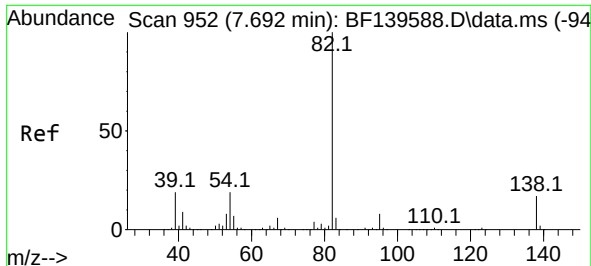
Tgt Ion:136 Resp: 279591  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 9.9 8.3 12.5  
68 6.4 4.6 7.0



#23  
Nitrobenzene-d5  
Concen: 59.227 ng  
RT: 7.428 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

Tgt Ion: 82 Resp: 327066  
Ion Ratio Lower Upper  
82 100  
128 42.6 32.4 48.6  
54 58.6 49.1 73.7

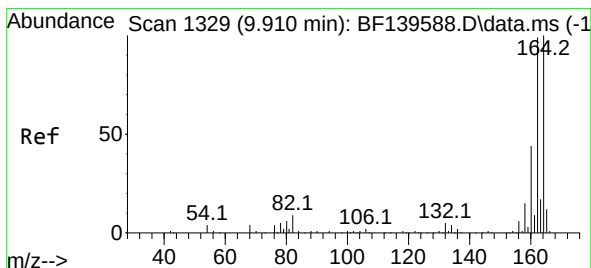
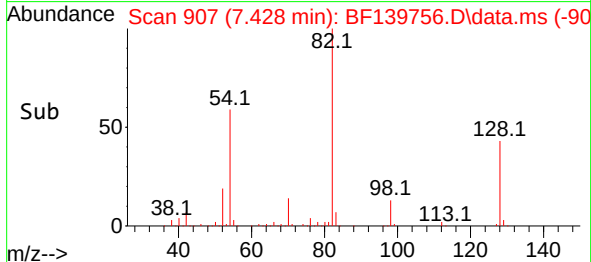
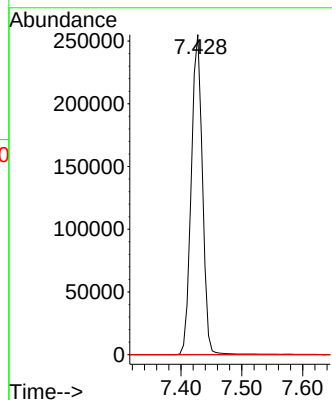
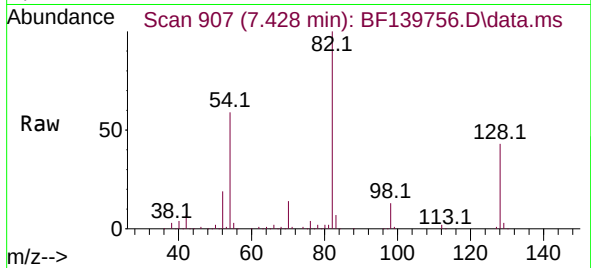




#25  
Isophorone  
Concen: 32.989 ng  
RT: 7.428 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

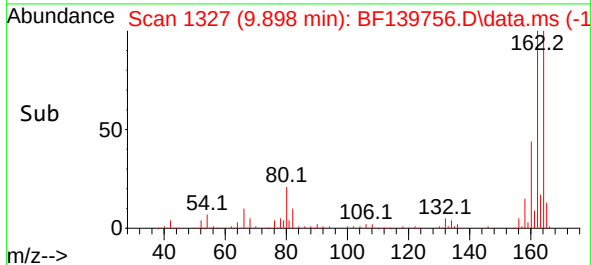
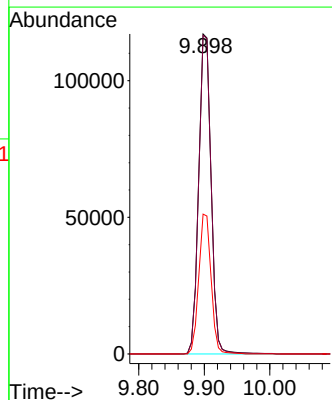
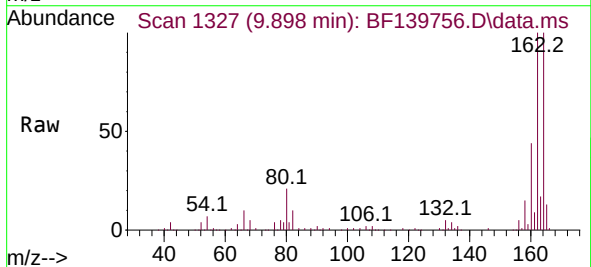
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-9

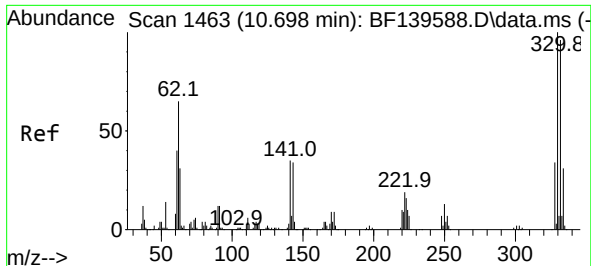
Tgt Ion: 82 Resp: 323556  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.012 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

Tgt Ion:164 Resp: 153732  
Ion Ratio Lower Upper  
164 100  
162 99.6 79.4 119.0  
160 43.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 56.241 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139756.D

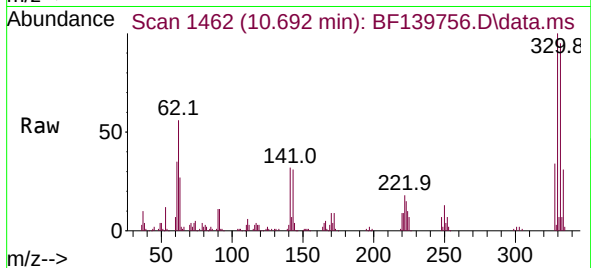
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Instrument :

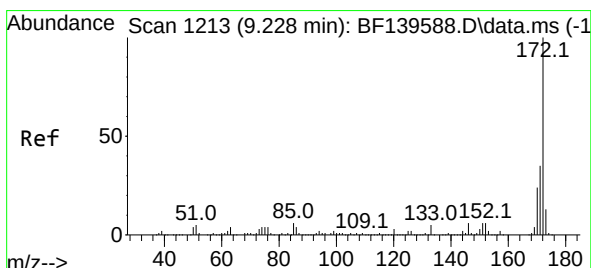
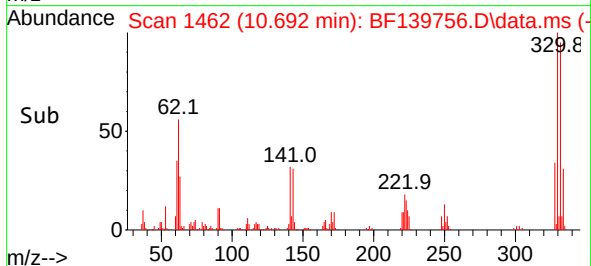
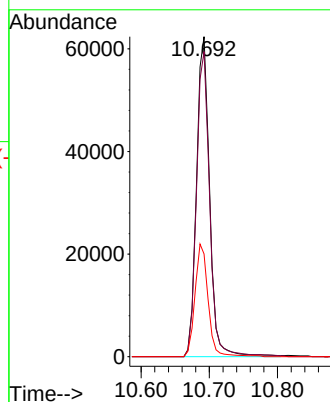
BNA\_F

ClientSampleId :

CONCRETE-PADS-9



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 83464 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 96.1  | 76.5  | 114.7 |
| 141       | 35.2  | 29.3  | 43.9  |



#45

2-Fluorobiphenyl

Concen: 63.315 ng

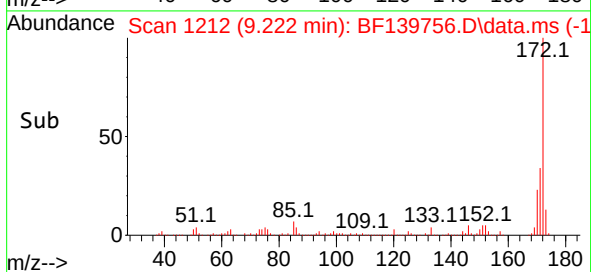
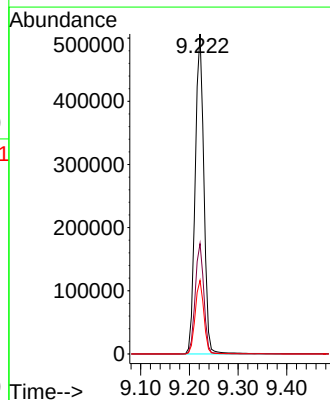
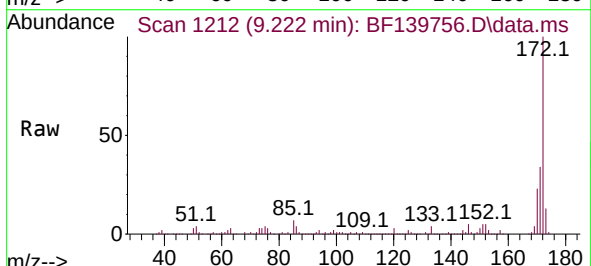
RT: 9.222 min Scan# 1212

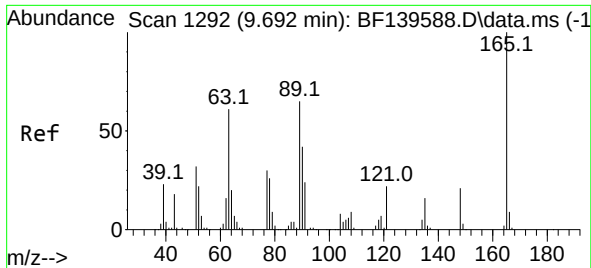
Delta R.T. -0.006 min

Lab File: BF139756.D

Acq: 10 Oct 2024 19:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 634032 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 34.5  | 28.2  | 42.4   |
| 170       | 23.0  | 18.8  | 28.2   |

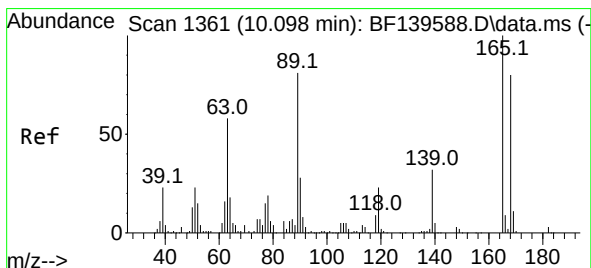
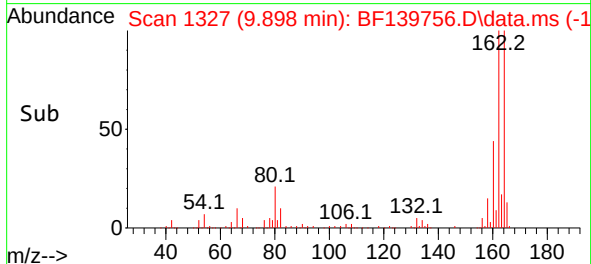
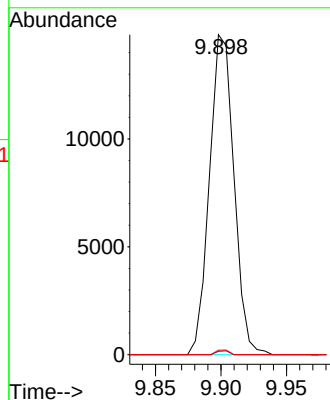
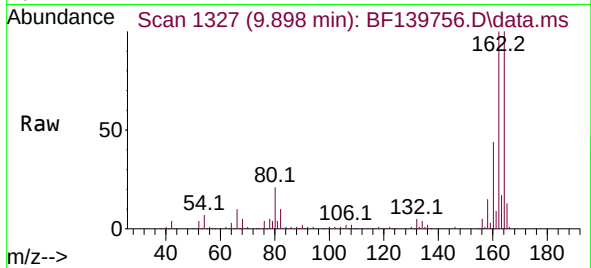




#51  
2,6-Dinitrotoluene  
Concen: 8.484 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

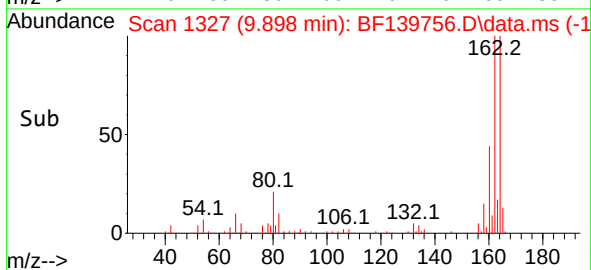
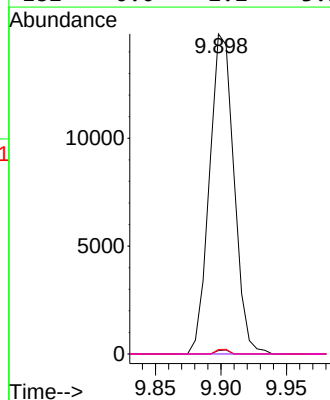
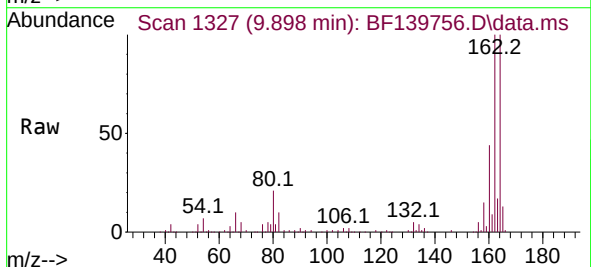
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:165 Resp: 19286  
Ion Ratio Lower Upper  
165 100  
63 1.0 56.7 85.1#  
89 1.4 51.6 77.4#

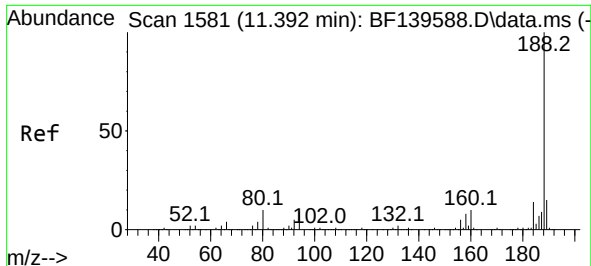


#57  
2,4-Dinitrotoluene  
Concen: 6.490 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.200 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

Tgt Ion:165 Resp: 19286  
Ion Ratio Lower Upper  
165 100  
63 1.0 46.9 70.3#  
89 1.4 64.4 96.6#  
182 0.0 2.2 3.2#



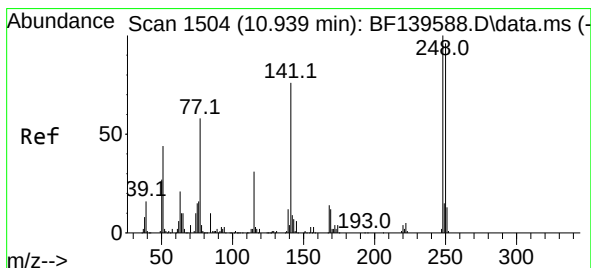
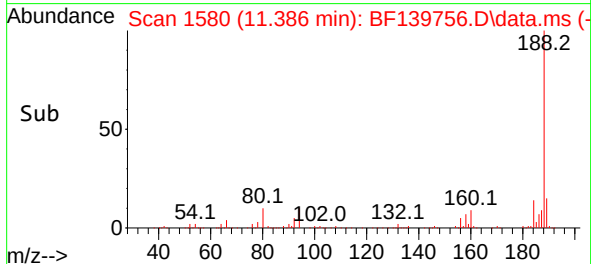
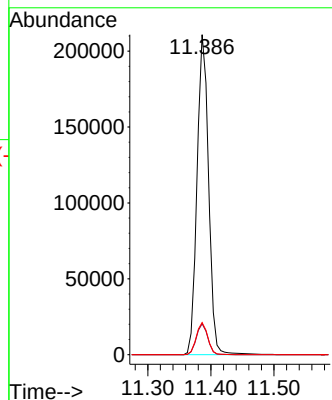
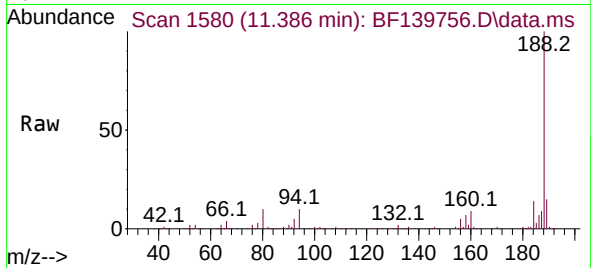




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

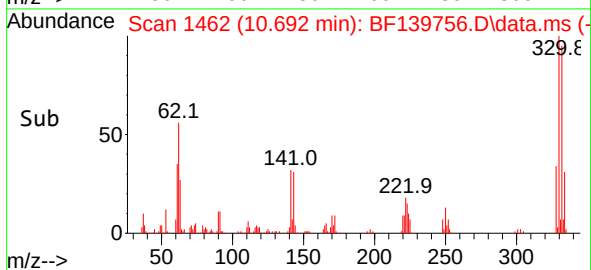
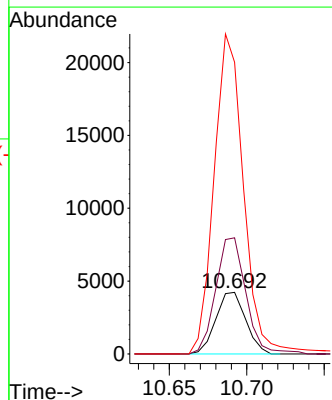
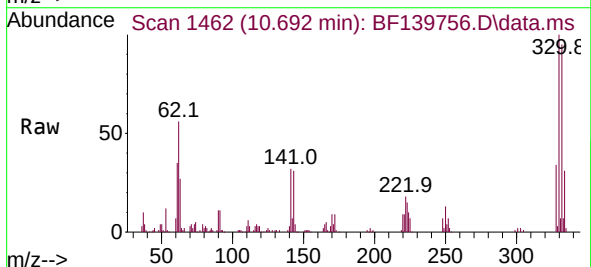
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-9

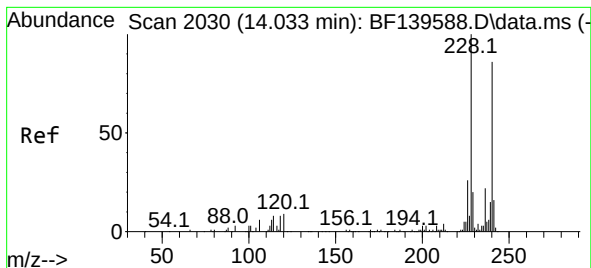
Tgt Ion:188 Resp: 267436  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.4 11.2  
80 10.0 8.2 12.2



#67  
4-Bromophenyl-phenylether  
Concen: 2.069 ng  
RT: 10.692 min Scan# 1462  
Delta R.T. -0.247 min  
Lab File: BF139756.D  
Acq: 10 Oct 2024 19:52

Tgt Ion:248 Resp: 5672  
Ion Ratio Lower Upper  
248 100  
250 188.7 77.1 115.7#  
141 474.1 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139756.D

Acq: 10 Oct 2024 19:52

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-PADS-9

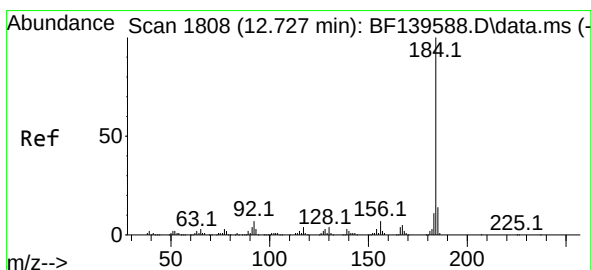
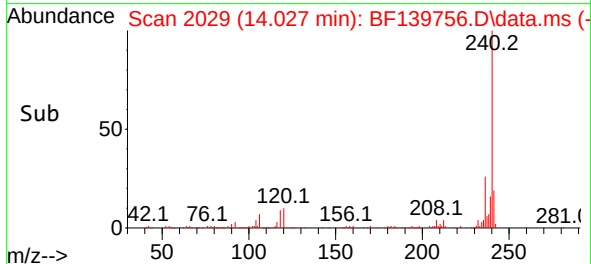
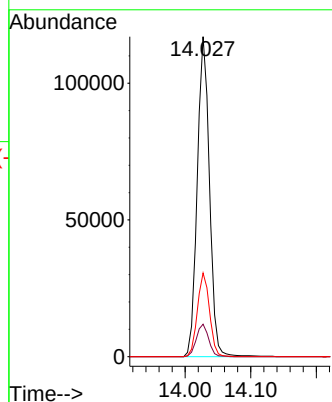
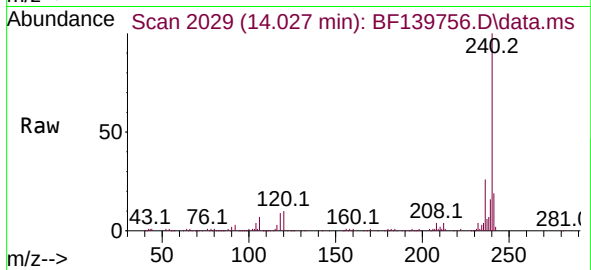
Tgt Ion:240 Resp: 151911

Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

236 26.1 20.3 30.5



#77

Benzidine

Concen: 2.523 ng

RT: 12.968 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139756.D

Acq: 10 Oct 2024 19:52

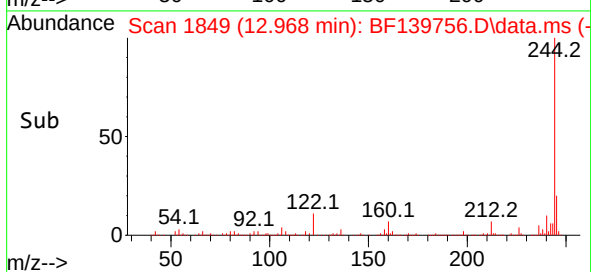
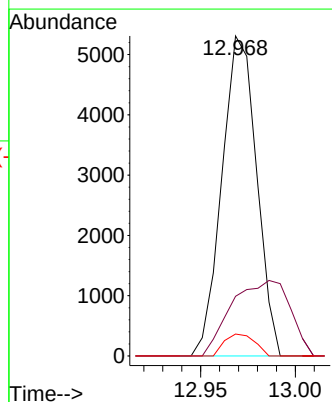
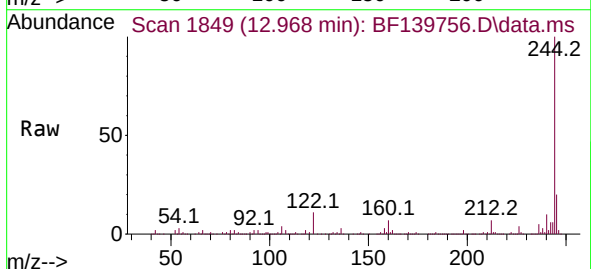
Tgt Ion:184 Resp: 6761

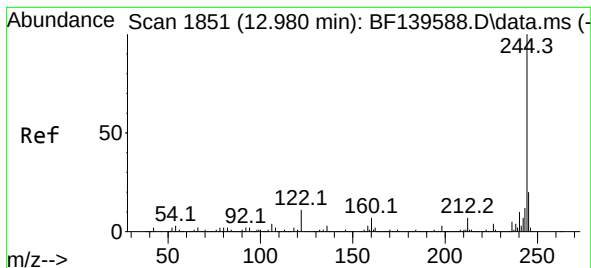
Ion Ratio Lower Upper

184 100

185 18.6 11.4 17.0#

183 6.9 8.8 13.2#





#79

Terphenyl-d14

Concen: 60.712 ng

RT: 12.968 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF139756.D

Acq: 10 Oct 2024 19:52

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-PADS-9

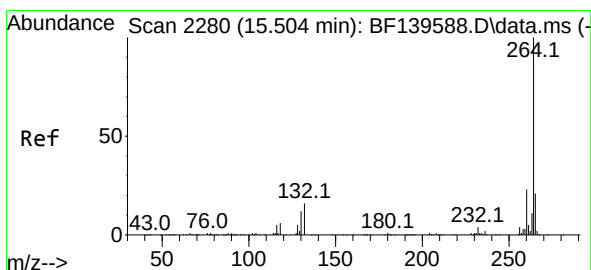
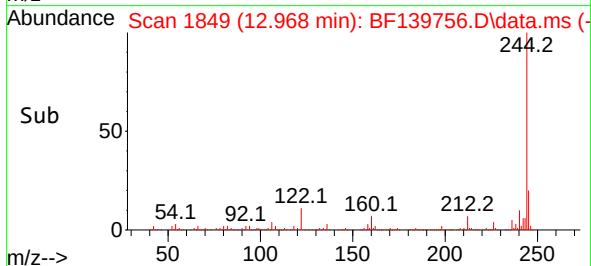
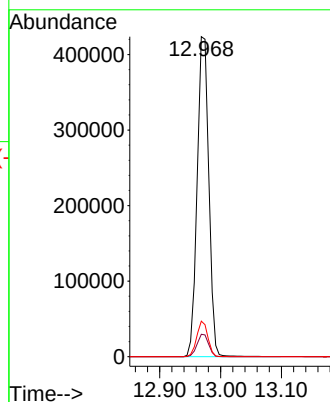
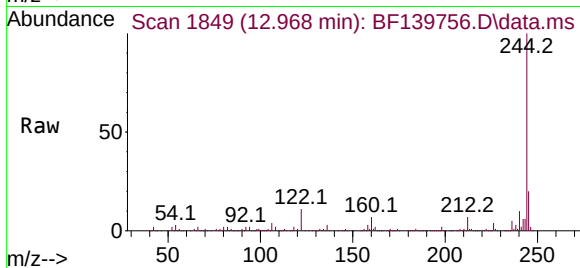
Tgt Ion:244 Resp: 562079

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 11.1 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.000 min

Lab File: BF139756.D

Acq: 10 Oct 2024 19:52

Tgt Ion:264 Resp: 160794

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 20.6 16.9 25.3

