

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
 Data File : BF144005.D  
 Acq On : 20 Oct 2025 18:24  
 Operator : RC/JU  
 Sample : Q3382-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CENTRAL-AVE-TP

Quant Time: Oct 20 18:44:01 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
 Response via : Initial Calibration

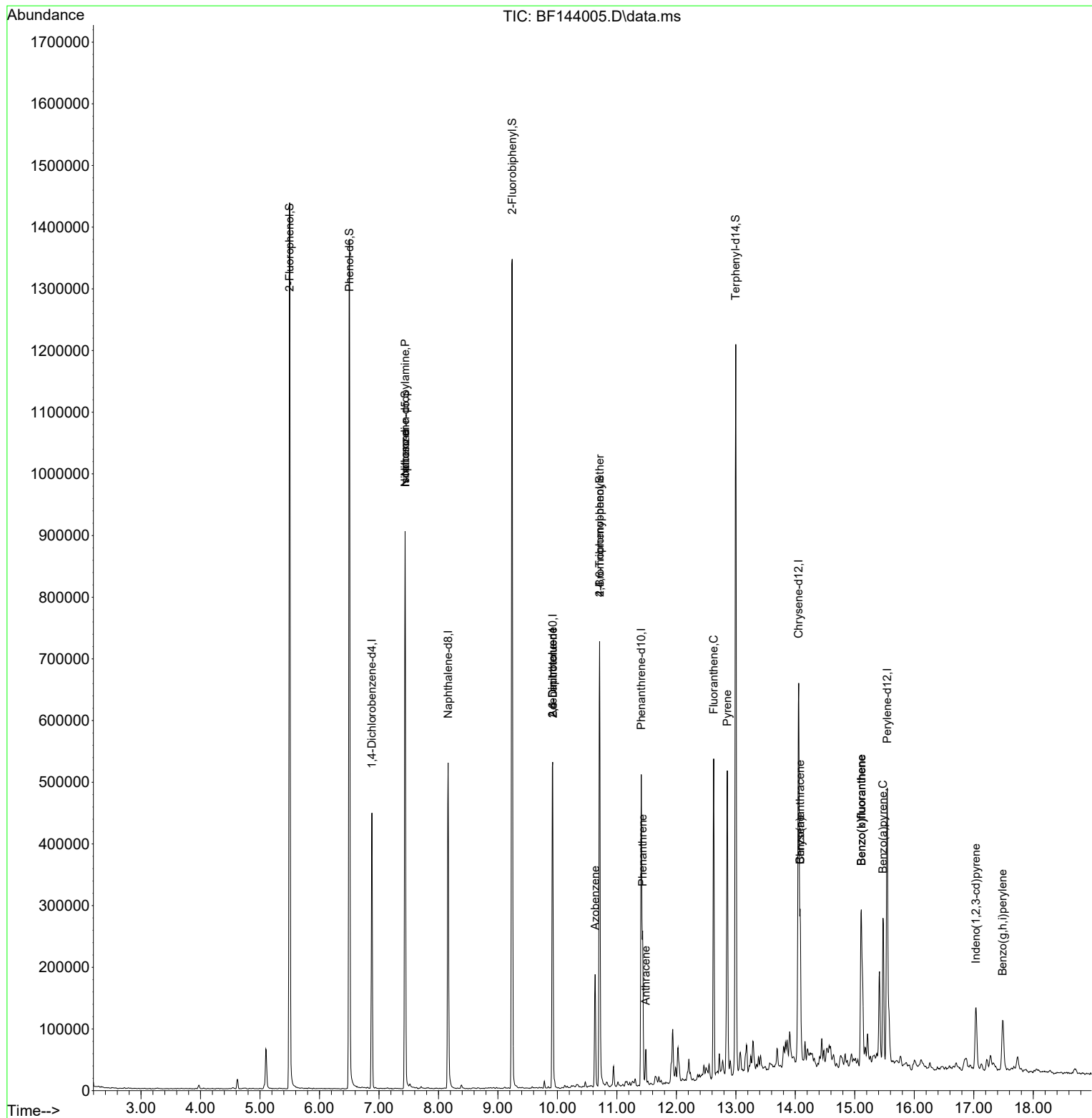
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.880  | 152  | 89446    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 337811   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.921  | 164  | 167816   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 263165   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 214459   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12              | 15.545 | 264  | 279566   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 549134   | 97.49 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 631211   | 94.02 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 383151   | 68.91 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 136518   | 81.67 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 661722   | 62.57 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.998 | 244  | 594016   | 47.34 | ng    | -0.01    |
| Target Compounds              |        |      |          |       |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 53573    | 11.66 | ng    | # 78     |
| 25) Isophorone                | 7.439  | 82   | 321087   | 27.39 | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.921  | 165  | 21392    | 10.83 | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.921  | 165  | 21392    | 7.96  | ng    | # 26     |
| 63) Azobenzene                | 10.633 | 77   | 46739    | 4.52  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 8421     | 2.90  | ng    | # 1      |
| 71) Phenanthrene              | 11.433 | 178  | 128814   | 10.10 | ng    | 98       |
| 72) Anthracene                | 11.486 | 178  | 34053    | 2.64  | ng    | 98       |
| 75) Fluoranthene              | 12.627 | 202  | 295188   | 22.40 | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 284012   | 15.89 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.080 | 228  | 129212   | 9.21  | ng    | 93       |
| 83) Chrysene                  | 14.080 | 228  | 129212   | 9.95  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 81512    | 4.76  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.109 | 252  | 230250   | 14.34 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 230250   | 15.49 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 143352   | 10.29 | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 79540    | 5.77  | ng    | 97       |

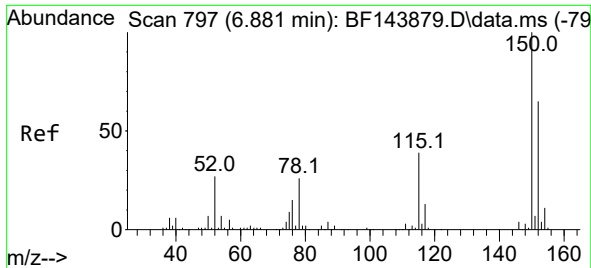
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102025\  
Data File : BF144005.D  
Acq On : 20 Oct 2025 18:24  
Operator : RC/JU  
Sample : Q3382-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

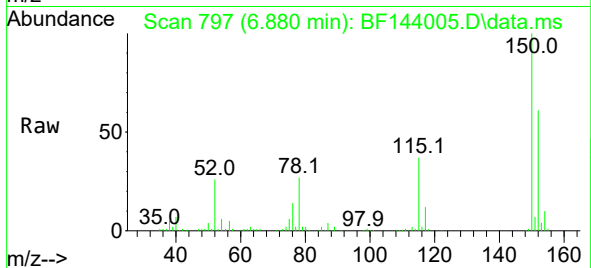
Quant Time: Oct 20 18:44:01 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 06 15:29:47 2025  
Response via : Initial Calibration



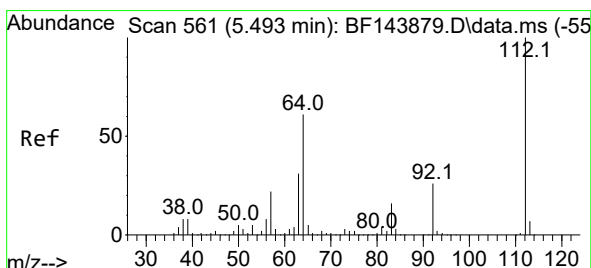
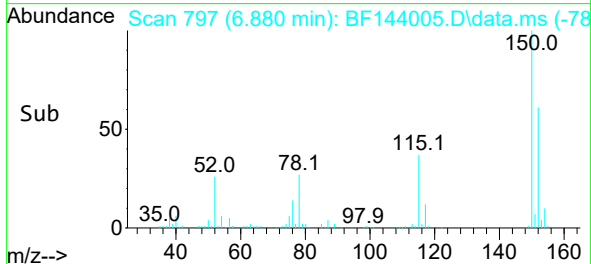
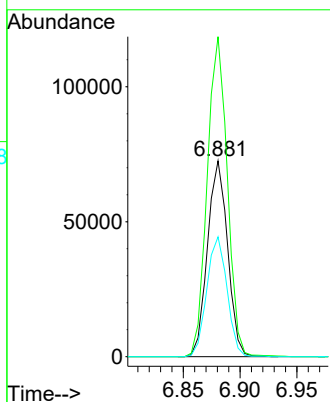


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.880 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

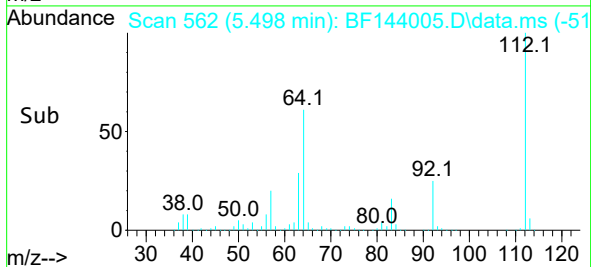
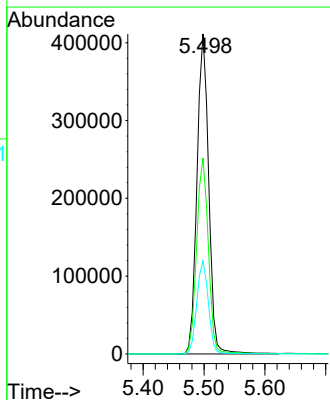
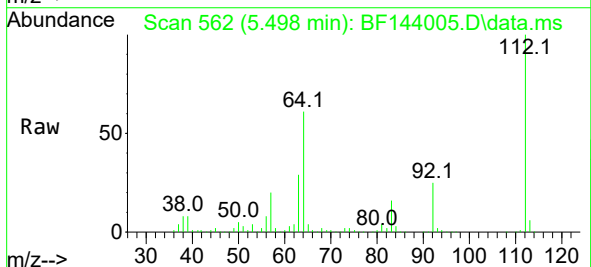


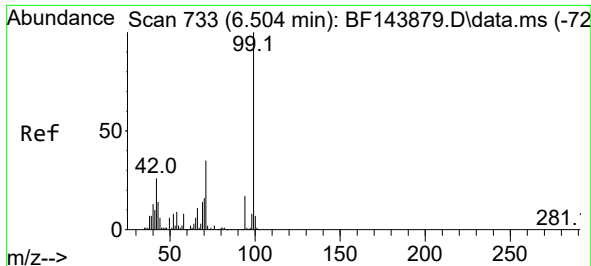
Tgt Ion:152 Resp: 89446  
Ion Ratio Lower Upper  
152 100  
150 163.4 124.4 186.6  
115 61.2 48.1 72.1



#5  
2-Fluorophenol  
Concen: 97.49 ng  
RT: 5.498 min Scan# 562  
Delta R.T. -0.000 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Tgt Ion:112 Resp: 549134  
Ion Ratio Lower Upper  
112 100  
64 61.2 49.1 73.7  
63 29.1 24.5 36.7

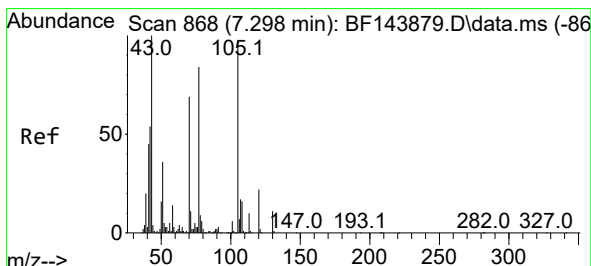
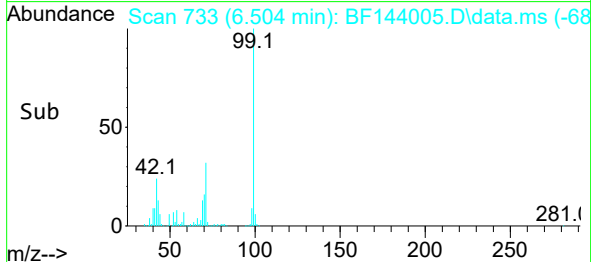
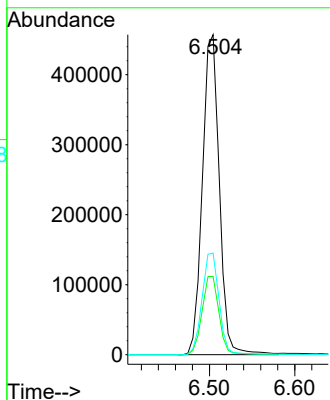
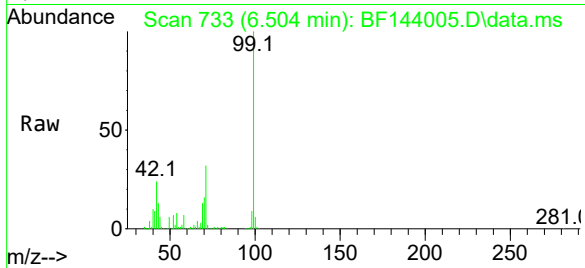




#7  
Phenol-d6  
Concen: 94.02 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

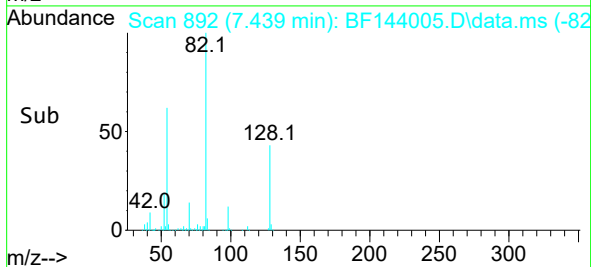
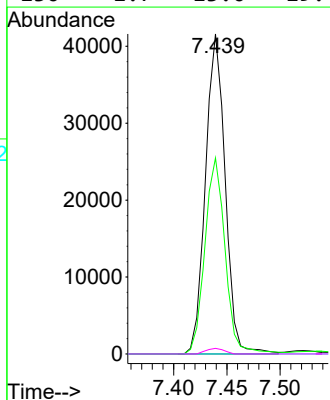
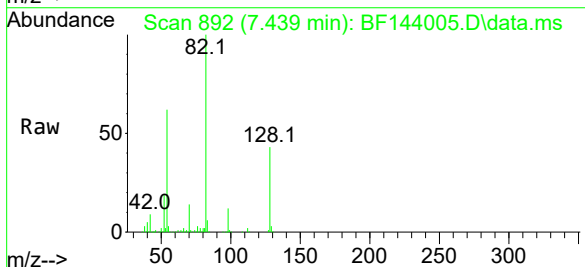
Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

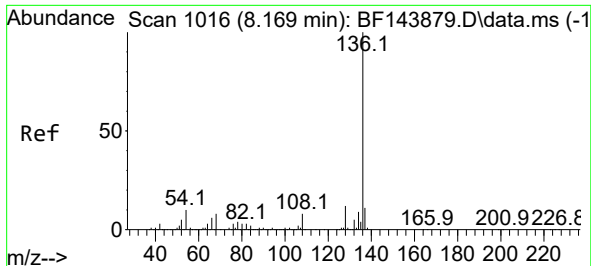
Tgt Ion: 99 Resp: 631211  
Ion Ratio Lower Upper  
99 100  
42 24.4 21.0 31.4  
71 31.7 27.8 41.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.66 ng  
RT: 7.439 min Scan# 892  
Delta R.T. 0.123 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Tgt Ion: 70 Resp: 53573  
Ion Ratio Lower Upper  
70 100  
42 61.2 62.8 94.2#  
101 0.0 6.7 10.1#  
130 1.7 13.0 19.4#

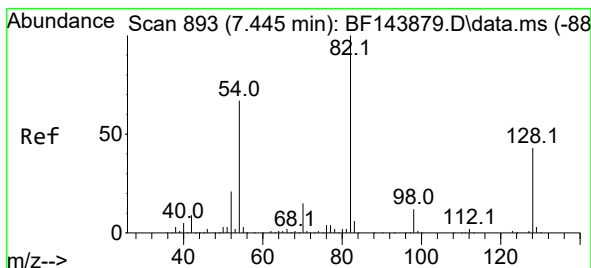
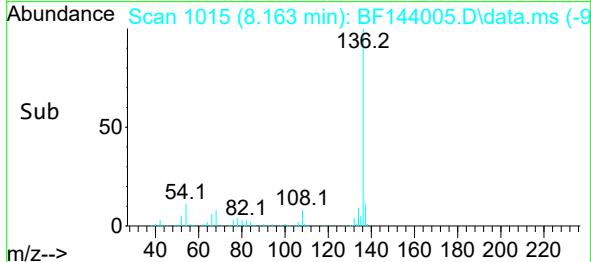
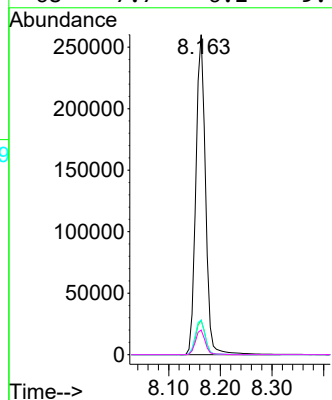
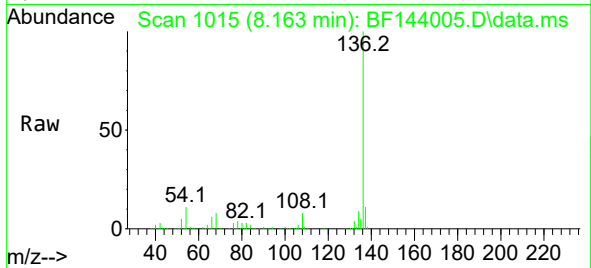




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.163 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

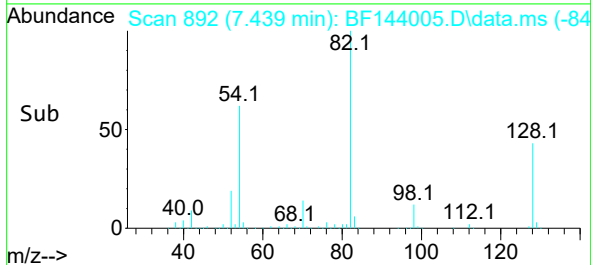
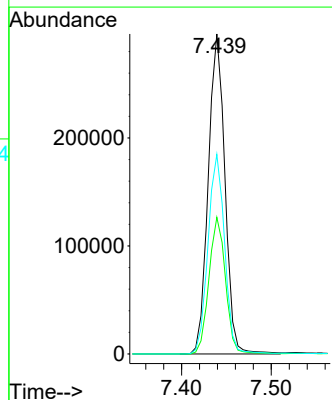
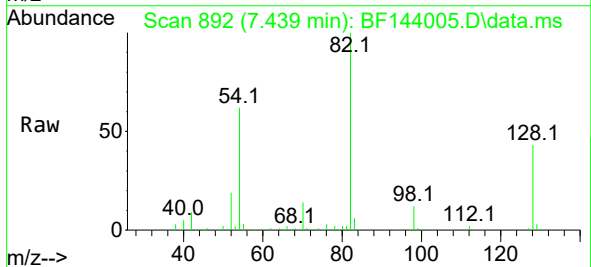
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ClientSampleId :  
CENTRAL-AVE-TP

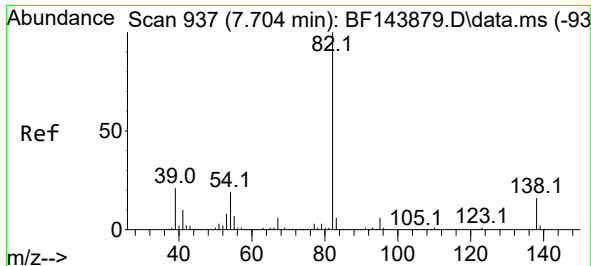
Tgt Ion:136 Resp: 337811  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.5 12.7  
54 10.8 8.2 12.4  
68 7.7 6.2 9.4



#23  
Nitrobenzene-d5  
Concen: 68.91 ng  
RT: 7.439 min Scan# 892  
Delta R.T. -0.018 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Tgt Ion: 82 Resp: 383151  
Ion Ratio Lower Upper  
82 100  
128 42.7 34.0 51.0  
54 62.4 53.2 79.8

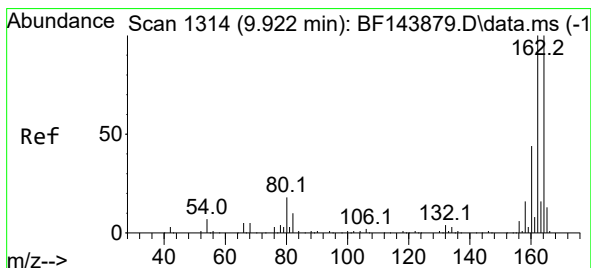
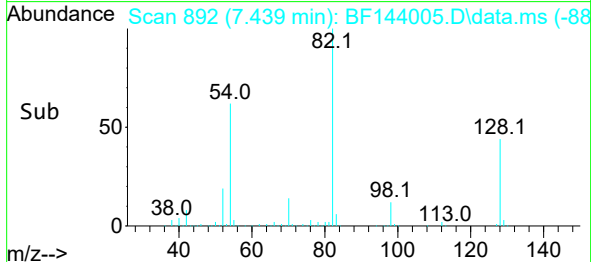
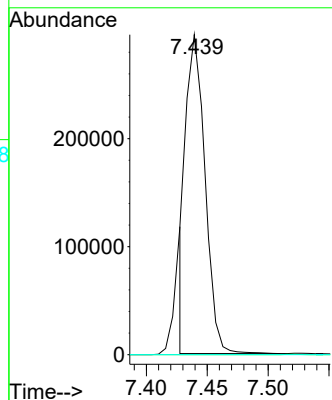
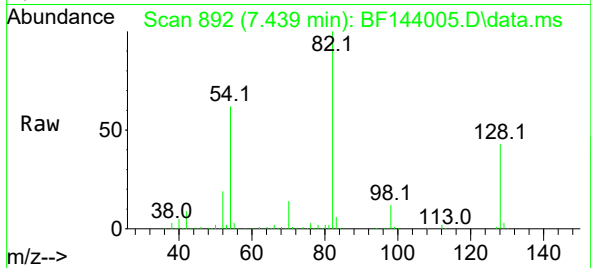




#25  
Isophorone  
Concen: 27.39 ng  
RT: 7.439 min Scan# 892  
Delta R.T. -0.282 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

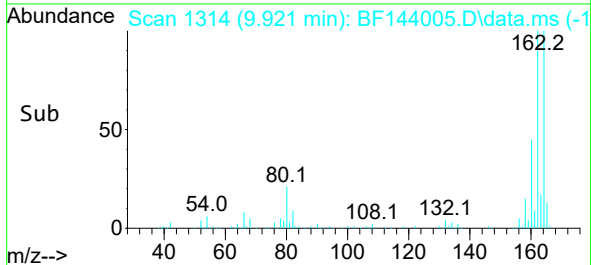
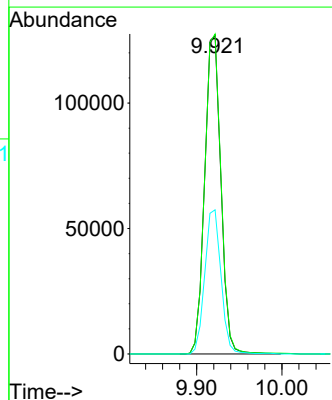
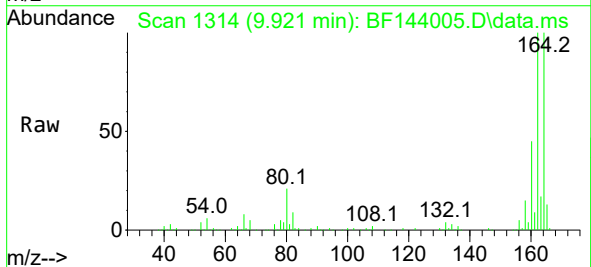
Instrument :  
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CENTRAL-AVE-TP

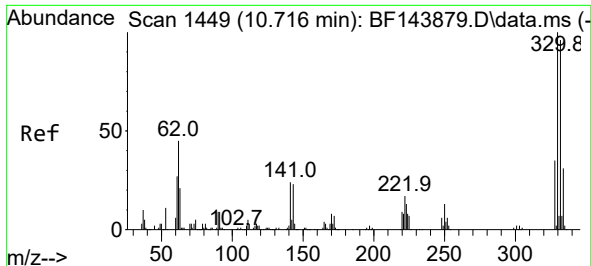
Tgt Ion: 82 Resp: 321087  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.1 7.7#  
138 0.0 12.9 19.3#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.921 min Scan# 1314  
Delta R.T. -0.006 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

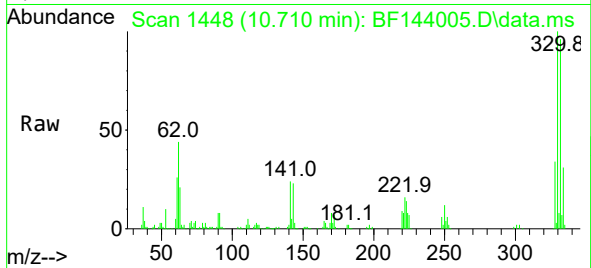
Tgt Ion:164 Resp: 167816  
Ion Ratio Lower Upper  
164 100  
162 100.4 80.2 120.2  
160 45.2 35.4 53.0



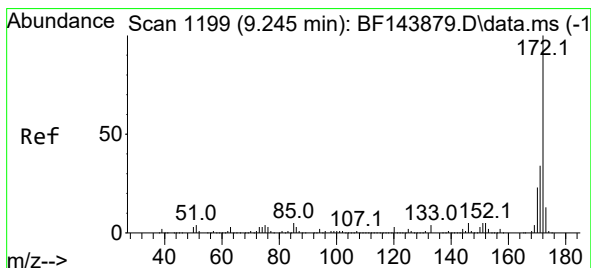
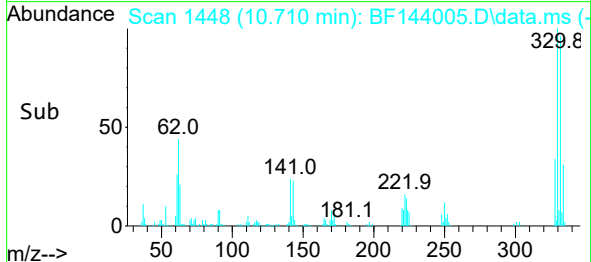
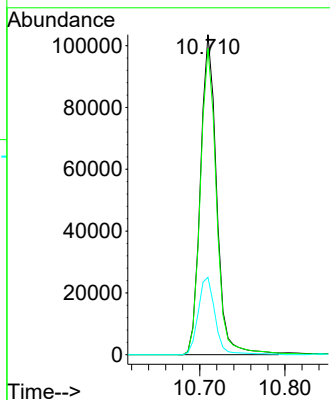


#42  
2,4,6-Tribromophenol  
Concen: 81.67 ng  
RT: 10.710 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

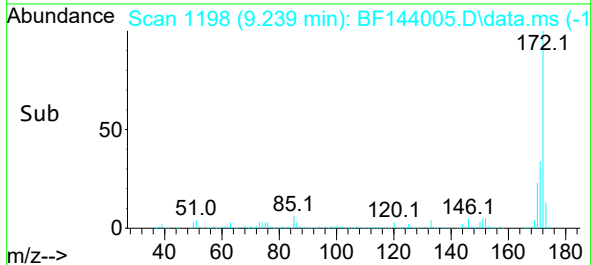
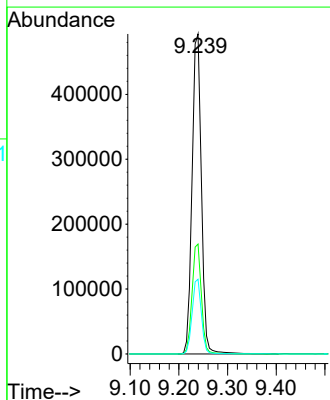
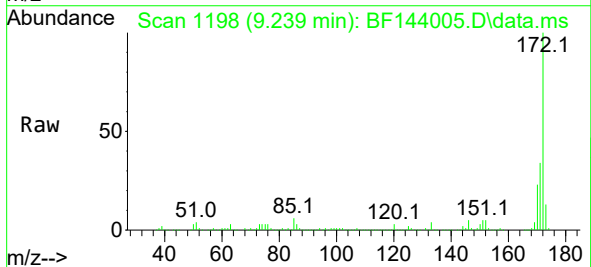


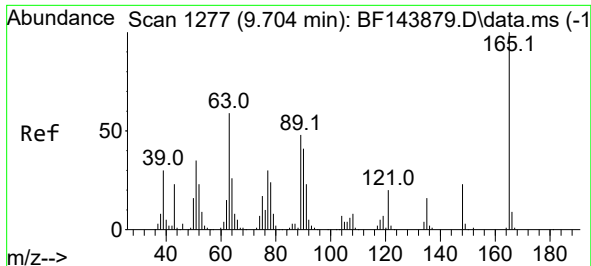
Tgt Ion:330 Resp: 136518  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.9 115.3  
141 25.3 20.2 30.4



#45  
2-Fluorobiphenyl  
Concen: 62.57 ng  
RT: 9.239 min Scan# 1198  
Delta R.T. -0.012 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Tgt Ion:172 Resp: 661722  
Ion Ratio Lower Upper  
172 100  
171 34.3 27.4 41.0  
170 23.4 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.83 ng

RT: 9.921 min Scan# 11

Delta R.T. 0.205 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

Instrument :

BNA\_F

ClientSampleId :

CENTRAL-AVE-TP

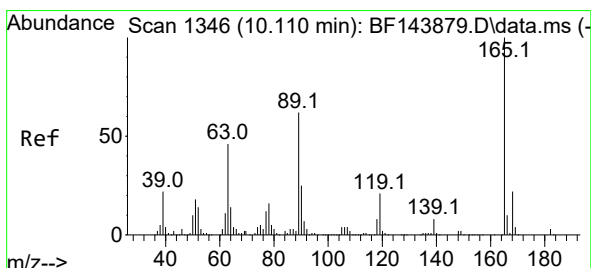
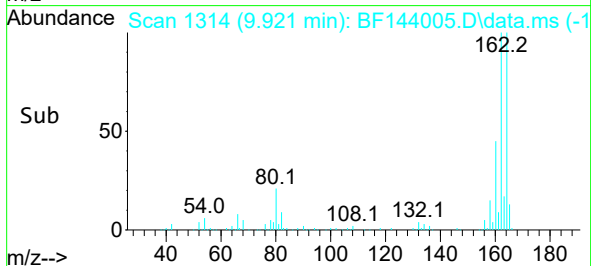
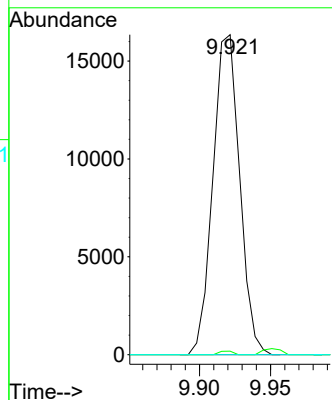
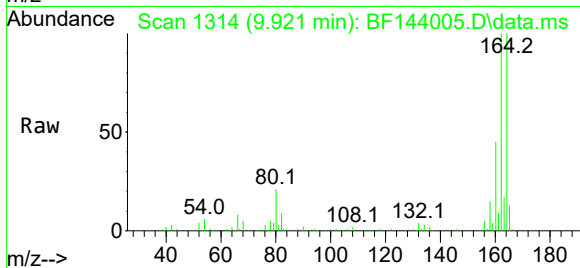
Tgt Ion:165 Resp: 21392

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

89 0.0 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 7.96 ng

RT: 9.921 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

Tgt Ion:165 Resp: 21392

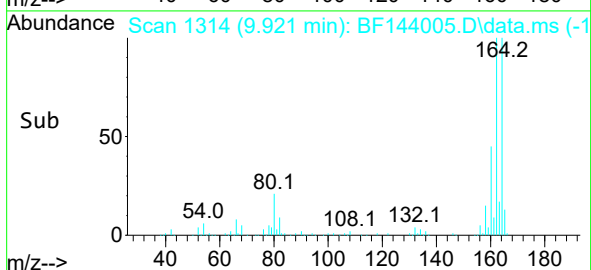
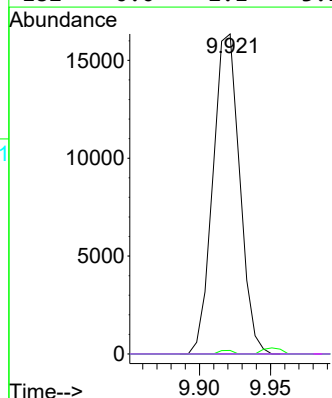
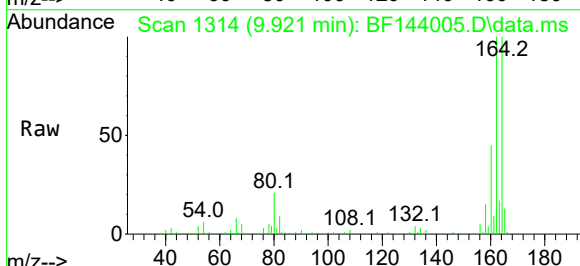
Ion Ratio Lower Upper

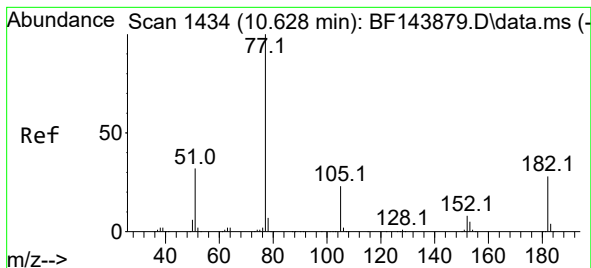
165 100

63 1.1 37.2 55.8#

89 0.0 49.4 74.2#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 4.52 ng

RT: 10.633 min Scan# 1434

Delta R.T. -0.000 min

Lab File: BF144005.D

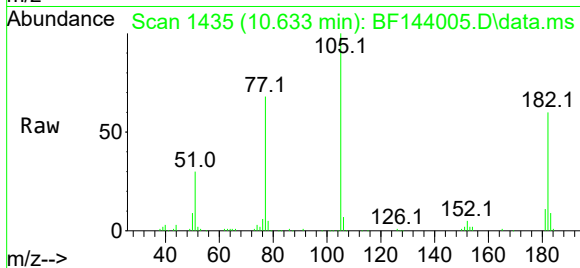
Acq: 20 Oct 2025 18:24

Instrument :

BNA\_F

ClientSampleId :

CENTRAL-AVE-TP



Tgt Ion: 77 Resp: 46739

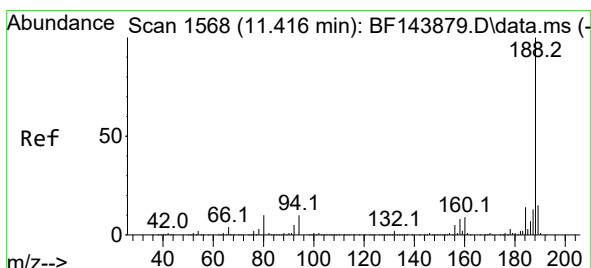
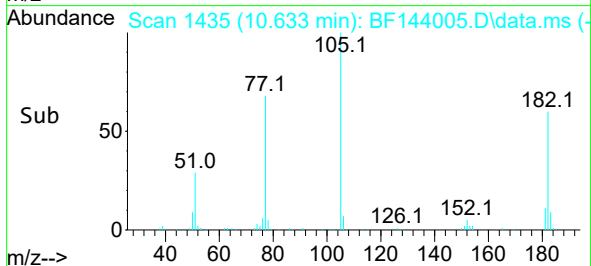
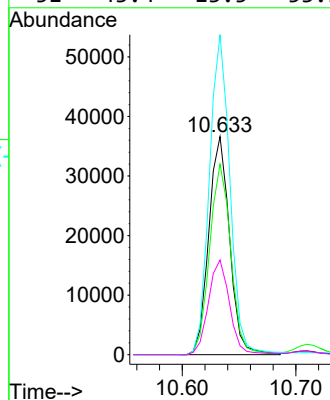
Ion Ratio Lower Upper

77 100

182 87.4 7.3 47.3#

105 146.7 3.0 43.0#

51 43.4 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

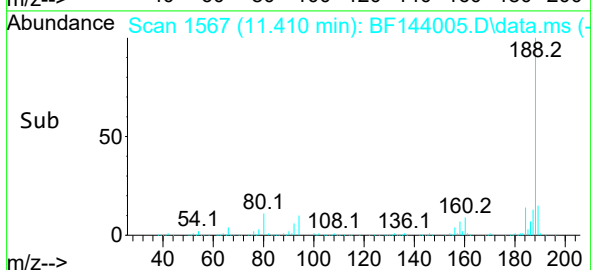
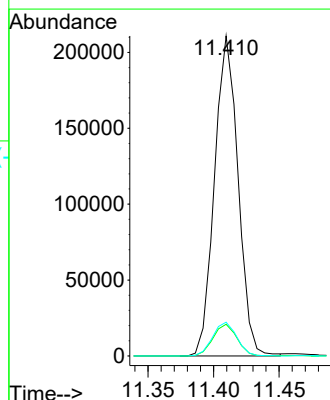
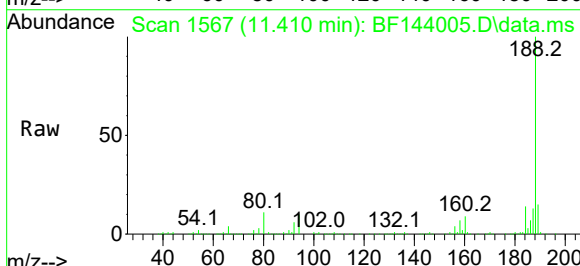
Tgt Ion:188 Resp: 263165

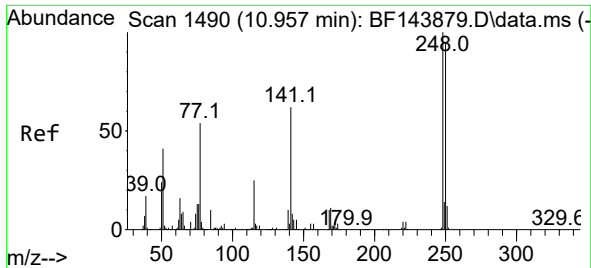
Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

80 10.6 7.9 11.9

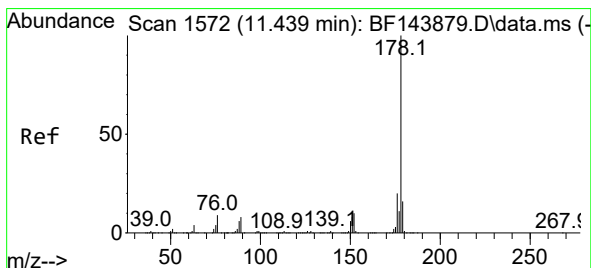
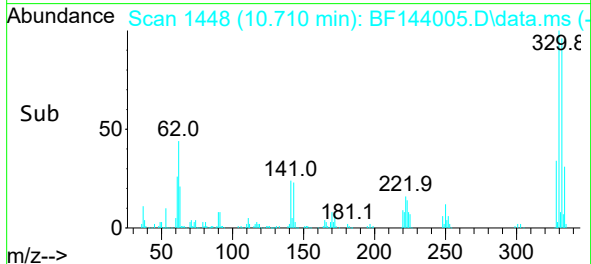
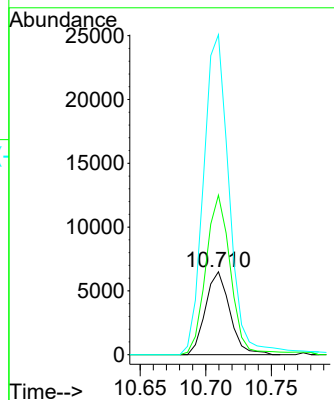
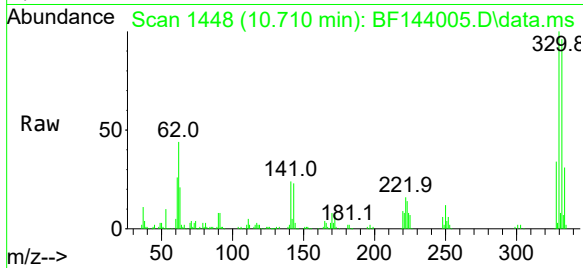




#67  
4-Bromophenyl-phenylether  
Concen: 2.90 ng  
RT: 10.710 min Scan# 1490  
Delta R.T. -0.253 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

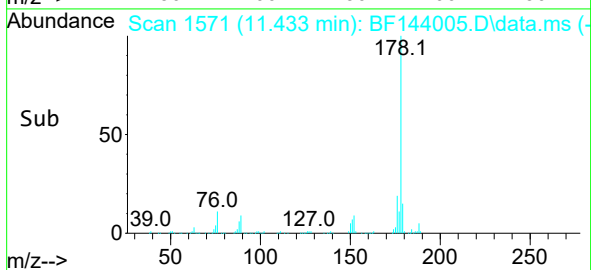
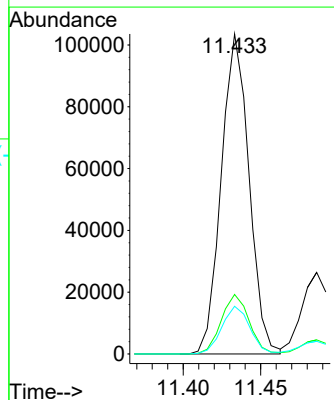
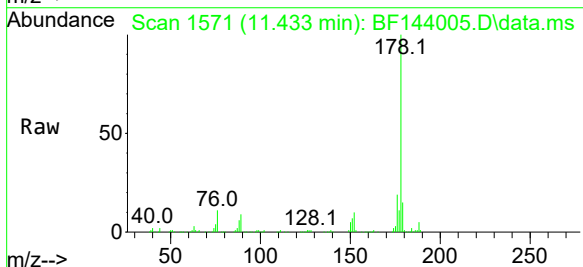
Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

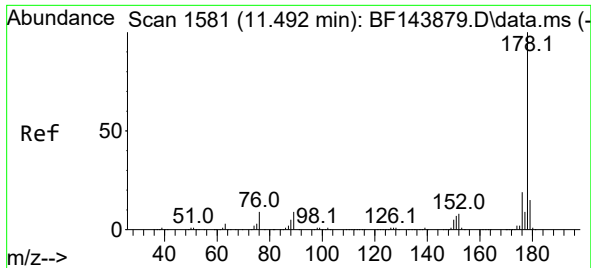
Tgt Ion:248 Resp: 8421  
Ion Ratio Lower Upper  
248 100  
250 192.4 76.3 114.5#  
141 385.8 49.7 74.5#



#71  
Phenanthrene  
Concen: 10.10 ng  
RT: 11.433 min Scan# 1571  
Delta R.T. -0.012 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

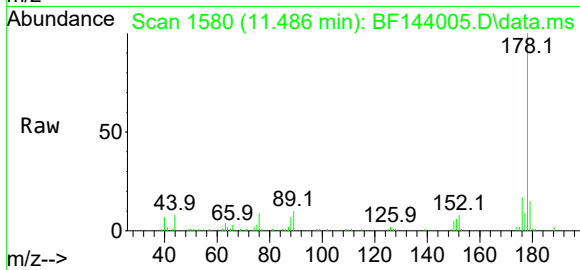
Tgt Ion:178 Resp: 128814  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.9 23.9  
179 14.9 12.4 18.6



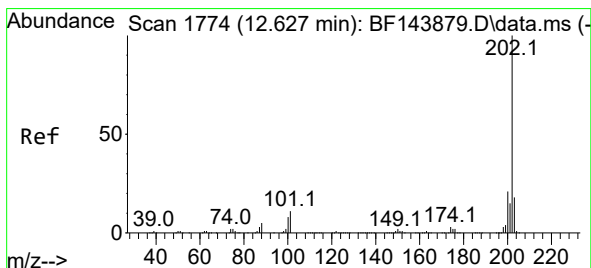
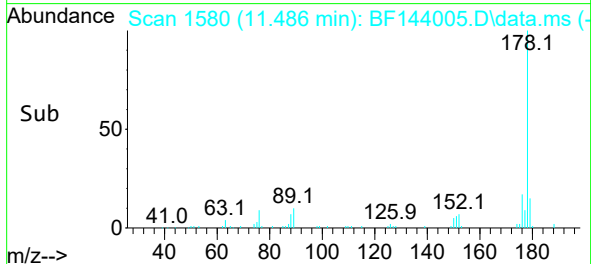
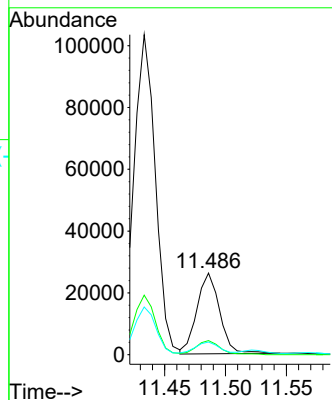


#72  
Anthracene  
Concen: 2.64 ng  
RT: 11.486 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

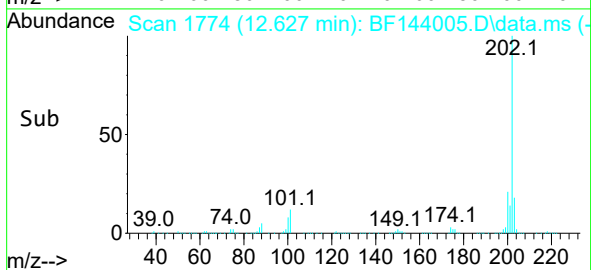
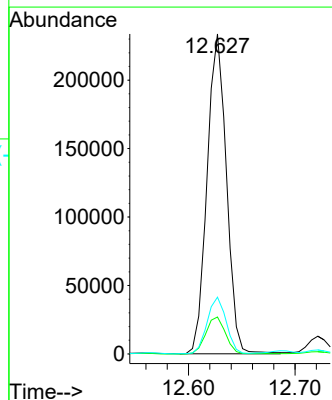
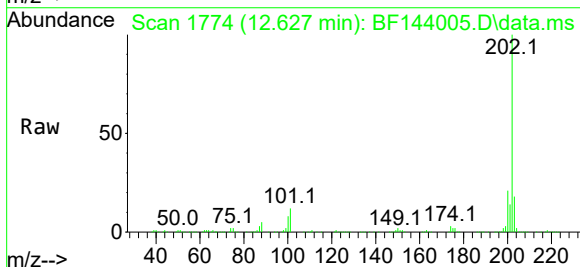


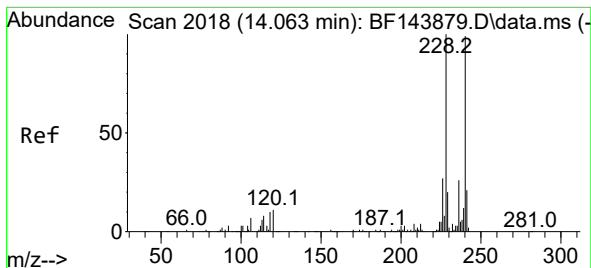
Tgt Ion:178 Resp: 34053  
Ion Ratio Lower Upper  
178 100  
176 17.3 14.9 22.3  
179 15.4 12.2 18.2



#75  
Fluoranthene  
Concen: 22.40 ng  
RT: 12.627 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Tgt Ion:202 Resp: 295188  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.7  
203 17.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

Instrument :

BNA\_F

ClientSampleId :

CENTRAL-AVE-TP

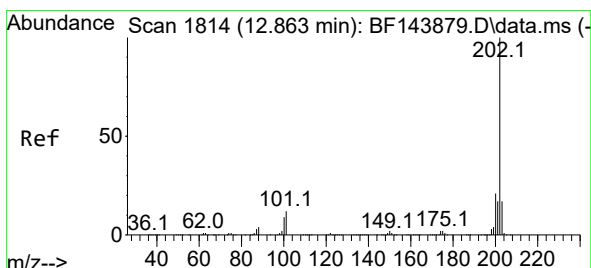
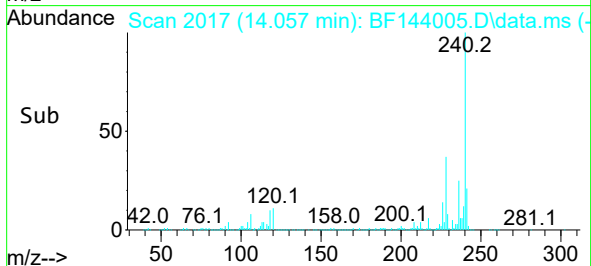
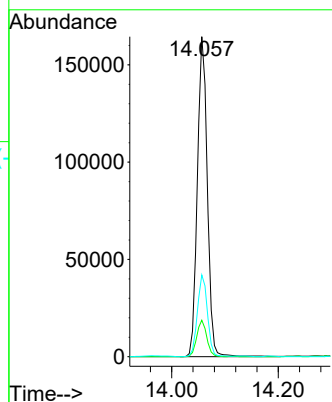
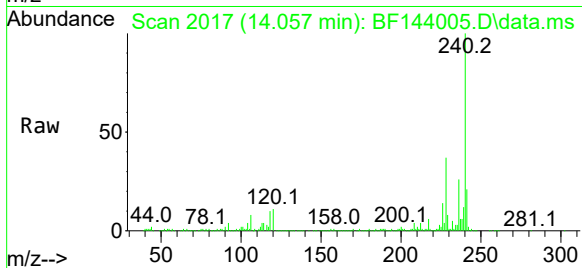
Tgt Ion:240 Resp: 214459

Ion Ratio Lower Upper

240 100

120 11.4 8.6 13.0

236 25.5 21.1 31.7



#78

Pyrene

Concen: 15.89 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

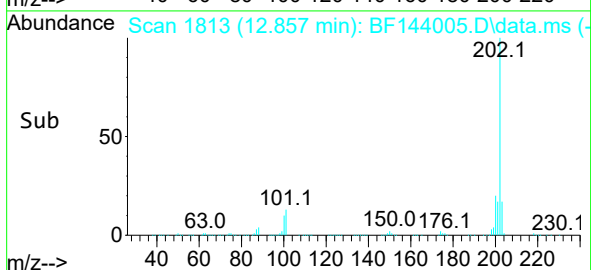
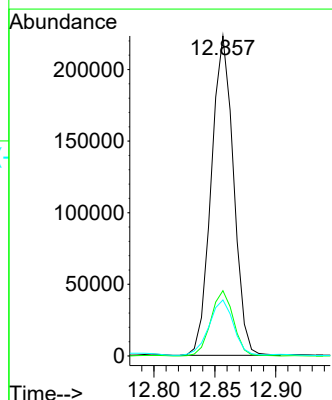
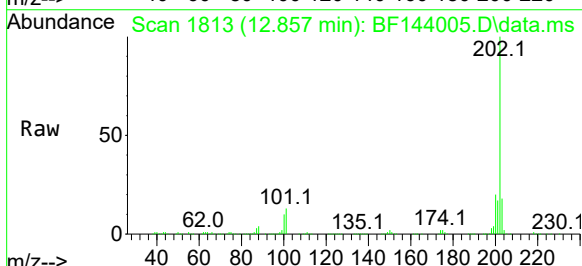
Tgt Ion:202 Resp: 284012

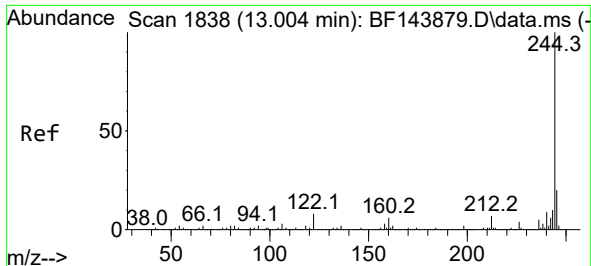
Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

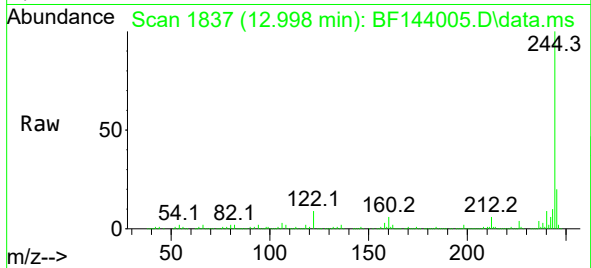
203 17.5 13.8 20.6



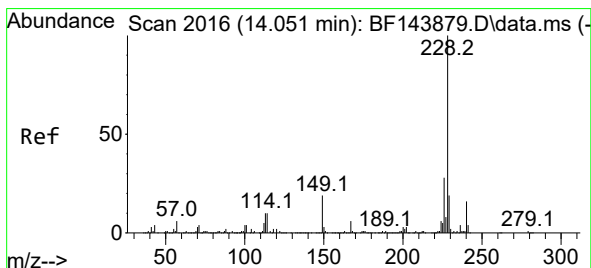
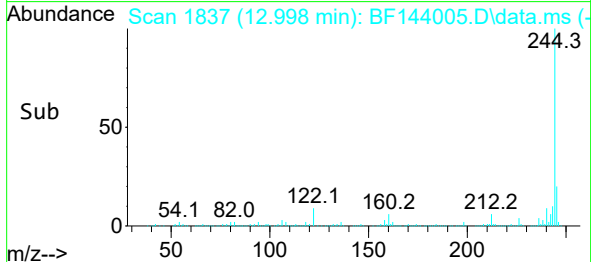
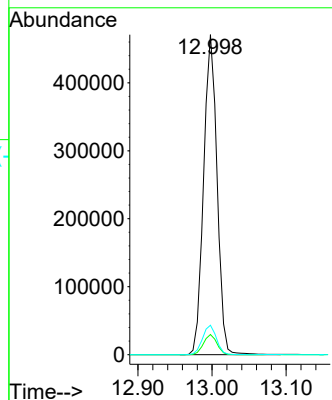


#79  
 Terphenyl-d14  
 Concen: 47.34 ng  
 RT: 12.998 min Scan# 1  
 Delta R.T. -0.012 min  
 Lab File: BF144005.D  
 Acq: 20 Oct 2025 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CENTRAL-AVE-TP

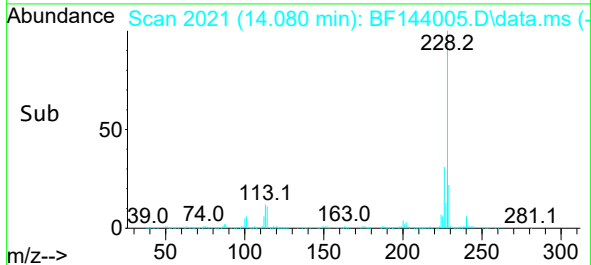
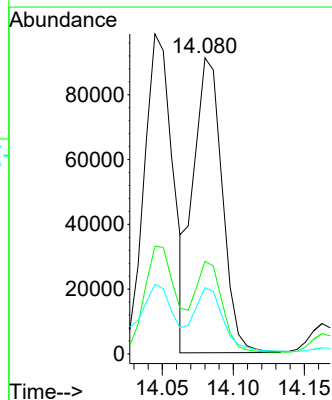
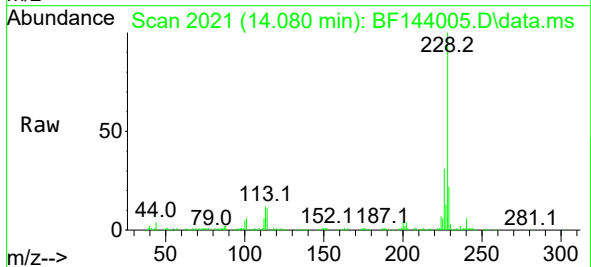


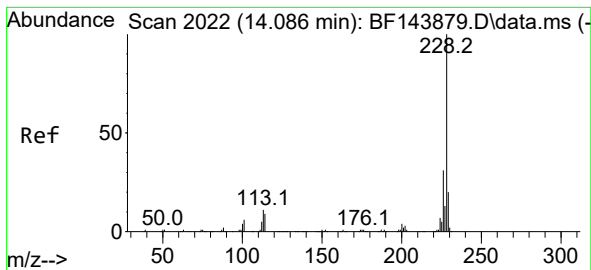
Tgt Ion:244 Resp: 594016  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.4 8.0  
 122 9.2 6.4 9.6



#81  
 Benzo(a)anthracene  
 Concen: 9.21 ng  
 RT: 14.080 min Scan# 2021  
 Delta R.T. 0.023 min  
 Lab File: BF144005.D  
 Acq: 20 Oct 2025 18:24

Tgt Ion:228 Resp: 129212  
 Ion Ratio Lower Upper  
 228 100  
 226 31.3 22.2 33.2  
 229 22.4 15.6 23.4





#83

Chrysene

Concen: 9.95 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

Instrument :

BNA\_F

ClientSampleId :

CENTRAL-AVE-TP

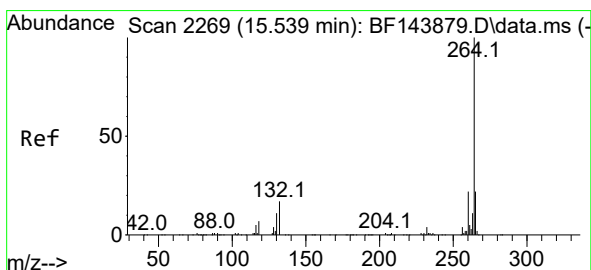
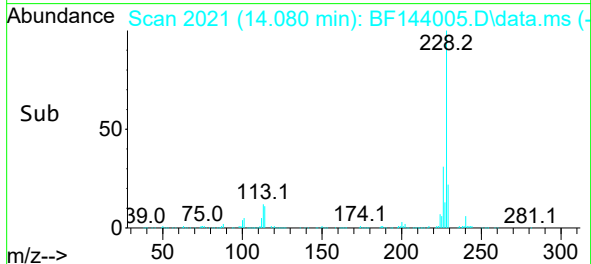
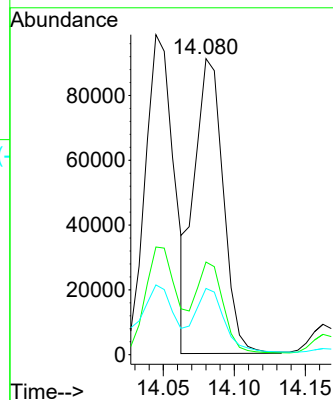
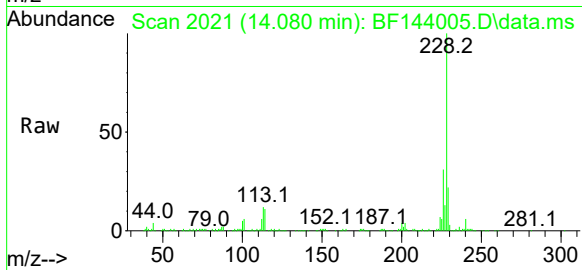
Tgt Ion:228 Resp: 129212

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 22.4 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.545 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

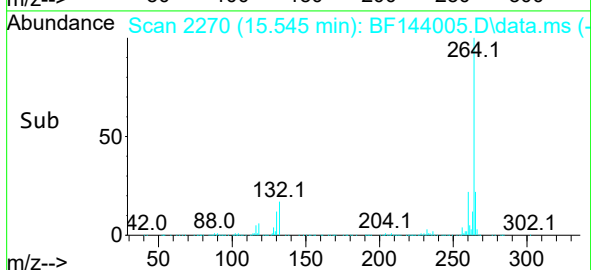
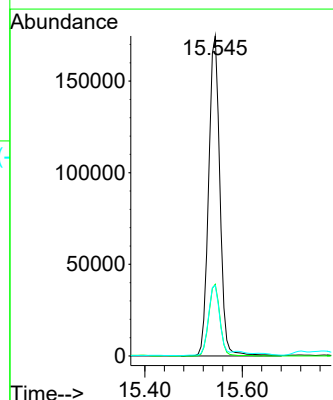
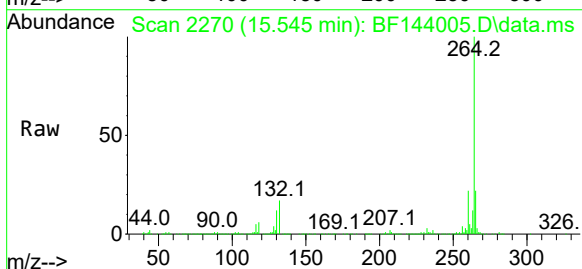
Tgt Ion:264 Resp: 279566

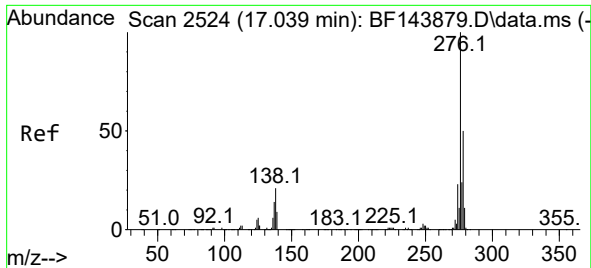
Ion Ratio Lower Upper

264 100

260 22.4 17.8 26.8

265 22.1 17.5 26.3

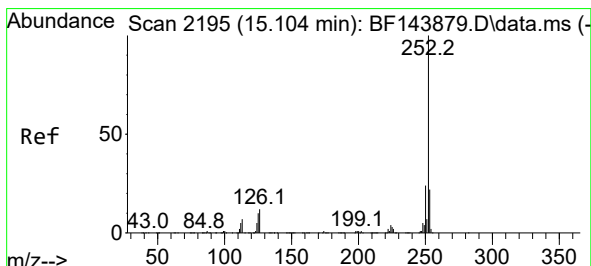
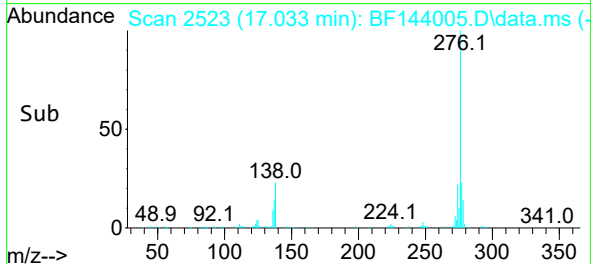
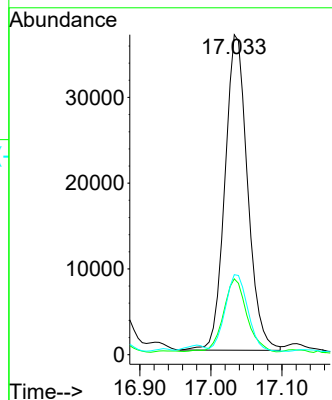
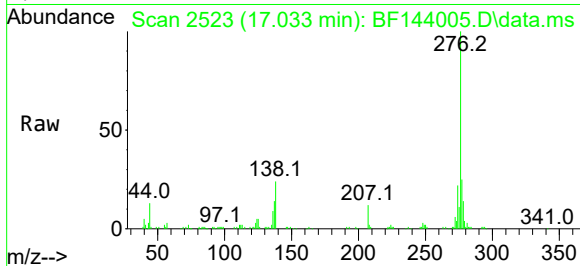




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.76 ng  
RT: 17.033 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

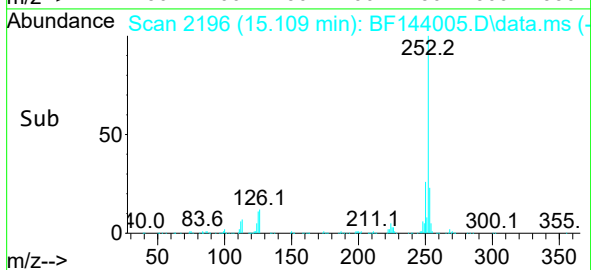
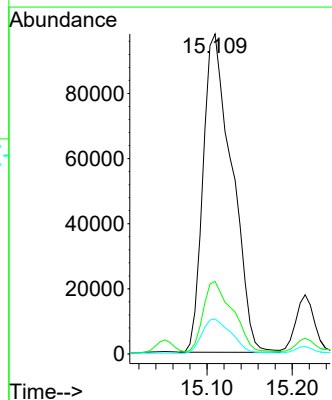
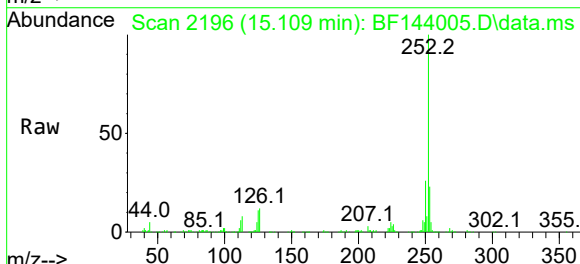
Instrument :  
BNA\_F  
ClientSampleId :  
CENTRAL-AVE-TP

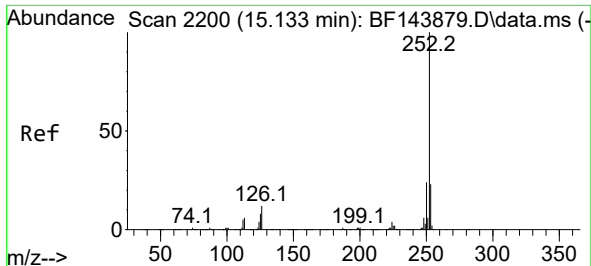
Tgt Ion:276 Resp: 81512  
Ion Ratio Lower Upper  
276 100  
138 25.4 18.2 27.2  
277 24.6 19.8 29.6



#88  
Benzo(b)fluoranthene  
Concen: 14.34 ng  
RT: 15.109 min Scan# 2196  
Delta R.T. -0.006 min  
Lab File: BF144005.D  
Acq: 20 Oct 2025 18:24

Tgt Ion:252 Resp: 230250  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.4 26.2  
125 10.9 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 15.49 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

Instrument :

BNA\_F

ClientSampleId :

CENTRAL-AVE-TP

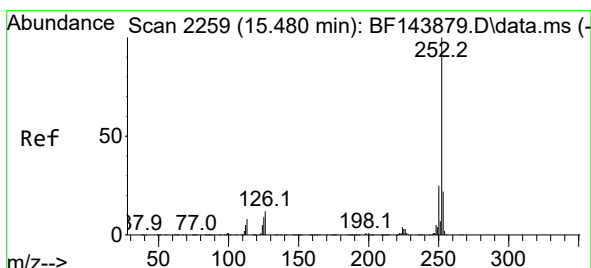
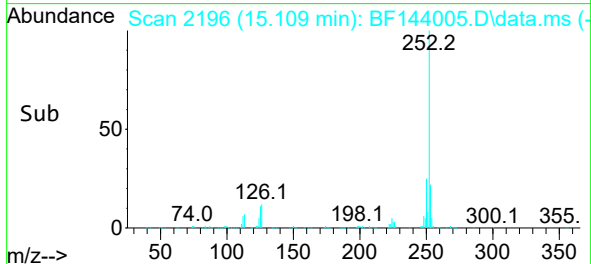
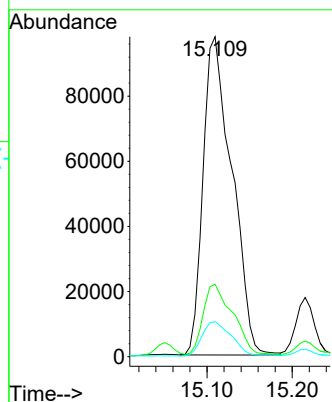
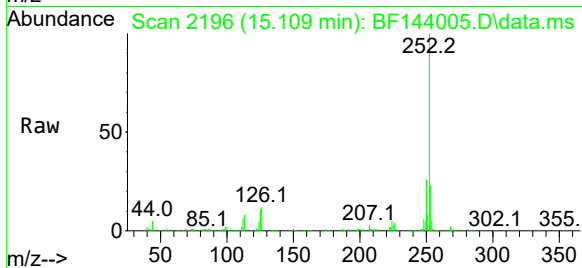
Tgt Ion:252 Resp: 230250

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 10.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 10.29 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF144005.D

Acq: 20 Oct 2025 18:24

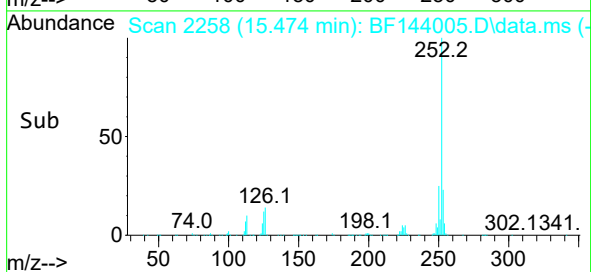
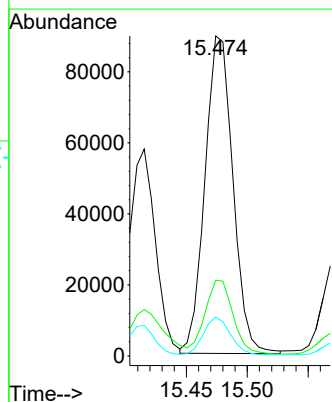
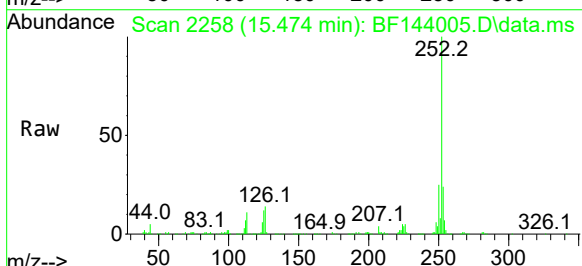
Tgt Ion:252 Resp: 143352

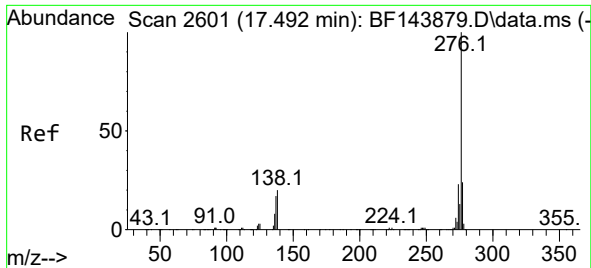
Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

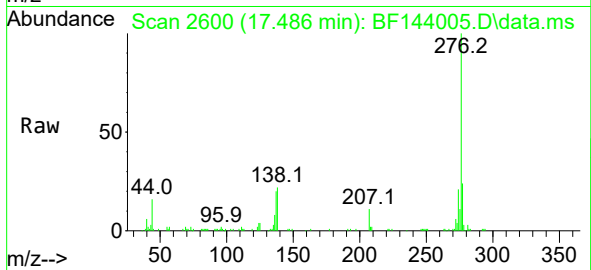
125 12.2 7.0 10.4#





#92  
 Benzo(g,h,i)perylene  
 Concen: 5.77 ng  
 RT: 17.486 min Scan# 20  
 Delta R.T. -0.030 min  
 Lab File: BF144005.D  
 Acq: 20 Oct 2025 18:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CENTRAL-AVE-TP



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:276 | Resp: | 79540       |
| Ion         | Ratio | Lower Upper |
| 276         | 100   |             |
| 277         | 24.3  | 19.0 28.6   |
| 138         | 22.1  | 16.1 24.1   |

