

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022825\  
 Data File : BF141809.D  
 Acq On : 28 Feb 2025 15:15  
 Operator : RC/JU  
 Sample : Q1435-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 286107

Quant Time: Feb 28 15:57:24 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

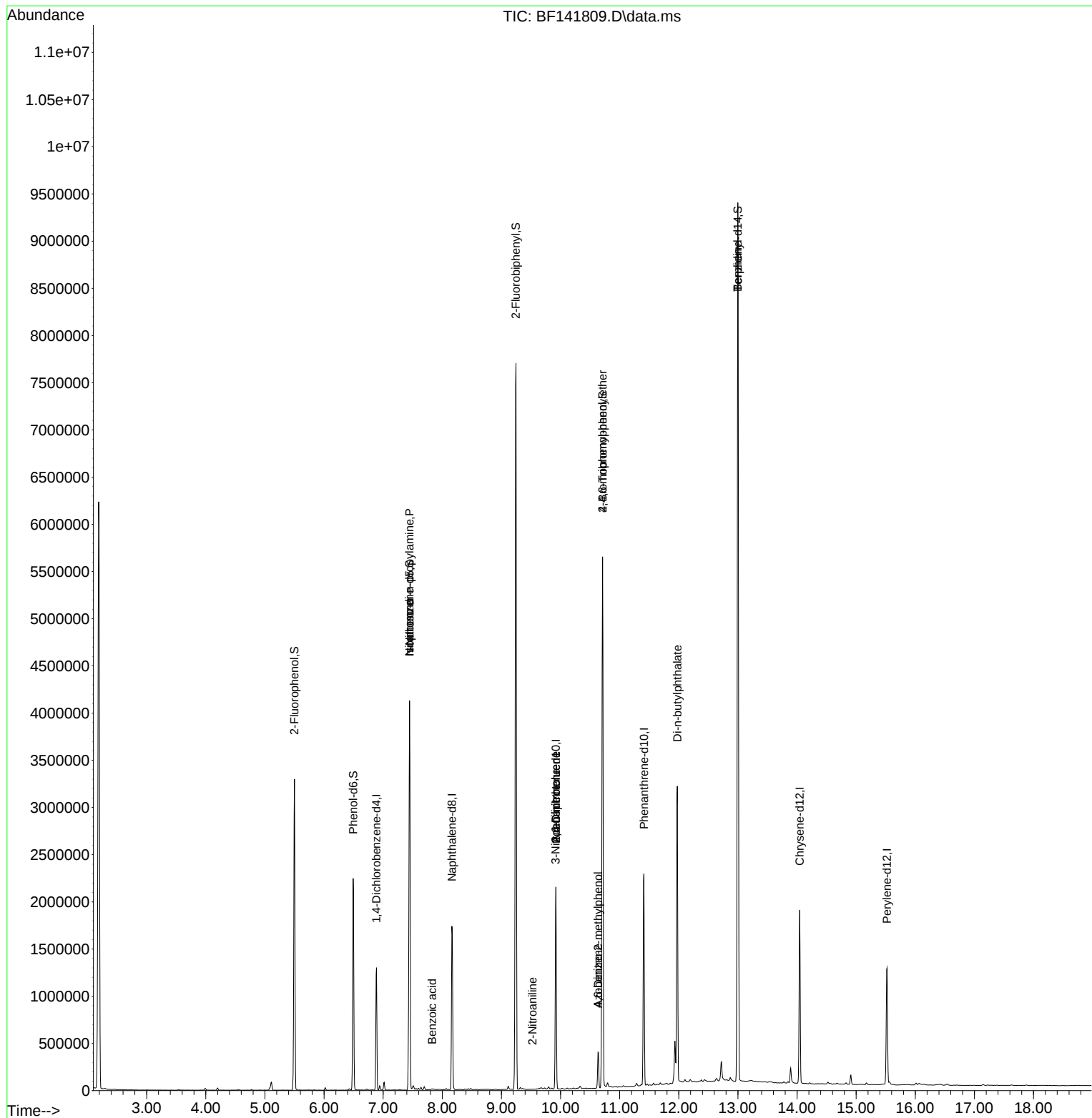
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 268323   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 1073459  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.922  | 164  | 614683   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1126447  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 841278   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 703971   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 1219370  | 72.574  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 1009037  | 46.140  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1937676  | 115.381 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 990630   | 171.664 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 3503179  | 91.383  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 4713835  | 90.655  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 271655   | 18.897  | ng    | # 80     |
| 25) Isophorone                | 7.445  | 82   | 1934889  | 53.629  | ng    | # 66     |
| 32) Benzoic acid              | 7.828  | 122  | 2562     | 7.885   | ng    | 92       |
| 48) 2-Nitroaniline            | 9.528  | 65   | 425      | 4.380   | ng    | # 6      |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 80980    | 12.506  | ng    | # 21     |
| 53) 3-Nitroaniline            | 9.916  | 138  | 110      | 2.979   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 80980    | 11.326  | ng    | # 20     |
| 63) Azobenzene                | 10.633 | 77   | 102165   | 2.351   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.633 | 198  | 709      | 8.237   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 67746    | 5.149   | ng    | # 1      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 2237190  | 33.096  | ng    | 100      |
| 77) Benzidine                 | 12.998 | 184  | 66152    | 6.247   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

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

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

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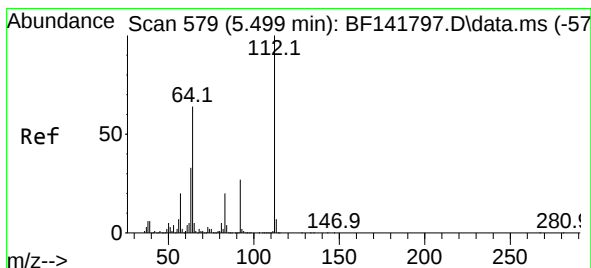
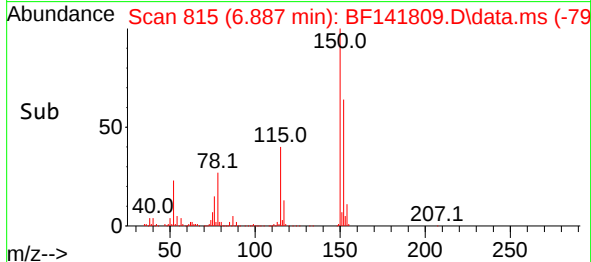
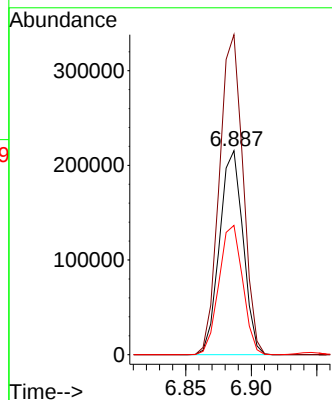
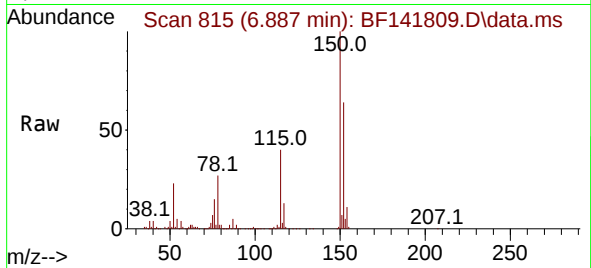




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 816  
 Delta R.T. -0.006 min  
 Lab File: BF141809.D  
 Acq: 28 Feb 2025 15:15

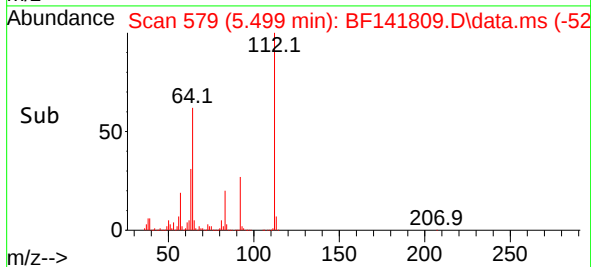
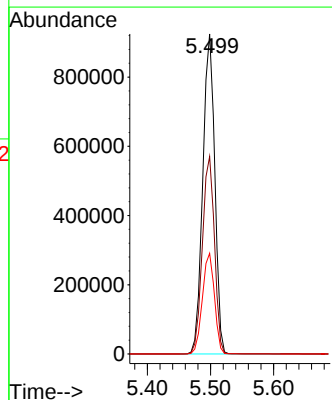
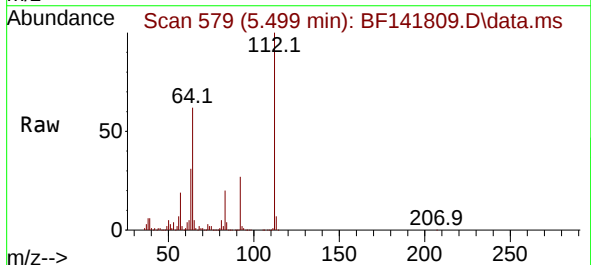
Instrument :  
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Tgt Ion:152 Resp: 268323  
 Ion Ratio Lower Upper  
 152 100  
 150 156.9 127.5 191.3  
 115 63.4 51.4 77.2



#5  
 2-Fluorophenol  
 Concen: 72.574 ng  
 RT: 5.499 min Scan# 579  
 Delta R.T. -0.000 min  
 Lab File: BF141809.D  
 Acq: 28 Feb 2025 15:15

Tgt Ion:112 Resp: 1219370  
 Ion Ratio Lower Upper  
 112 100  
 64 61.7 51.3 76.9  
 63 31.5 26.2 39.4

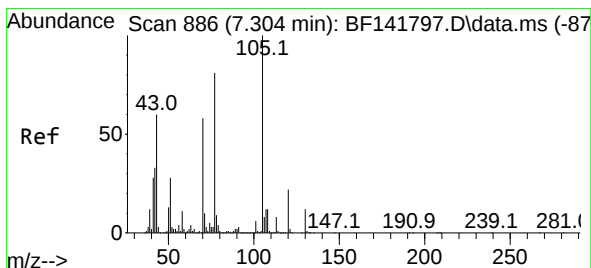
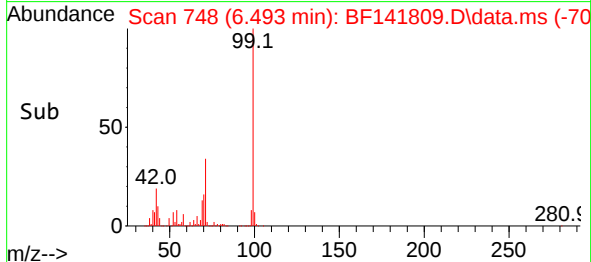
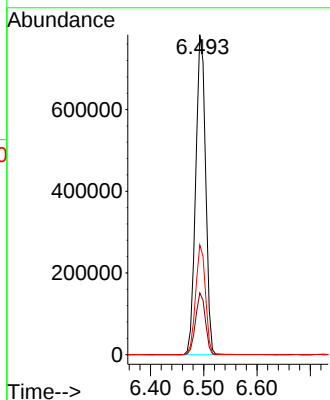
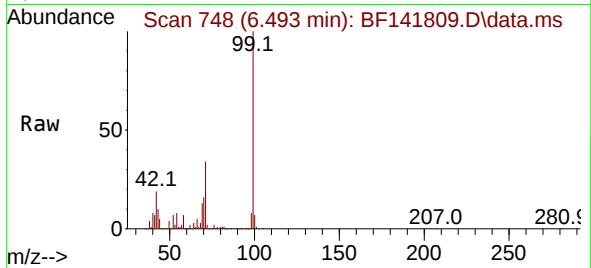




#7  
Phenol-d6  
Concen: 46.140 ng  
RT: 6.493 min Scan# 741  
Delta R.T. -0.018 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

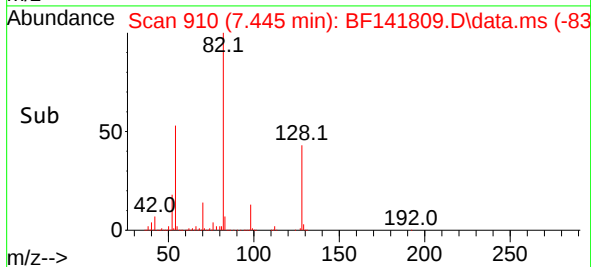
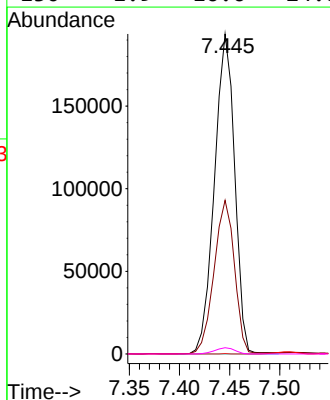
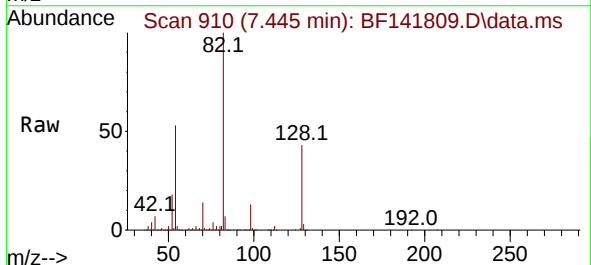
Instrument :  
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ClientSampleId :  
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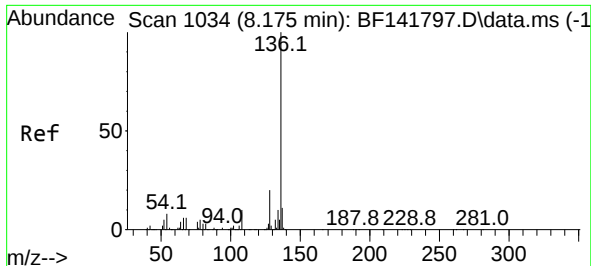
Tgt Ion: 99 Resp: 1009037  
Ion Ratio Lower Upper  
99 100  
42 19.3 15.2 22.8  
71 34.3 28.2 42.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.897 ng  
RT: 7.445 min Scan# 910  
Delta R.T. 0.141 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion: 70 Resp: 271655  
Ion Ratio Lower Upper  
70 100  
42 48.0 45.4 68.0  
101 0.1 7.8 11.8#  
130 1.9 16.6 24.8#

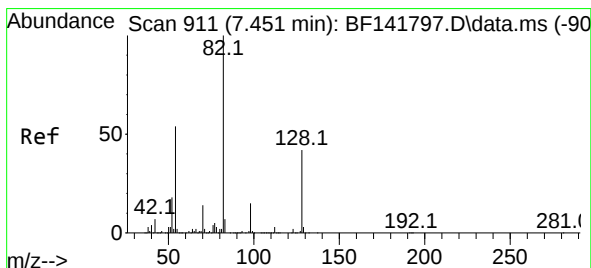
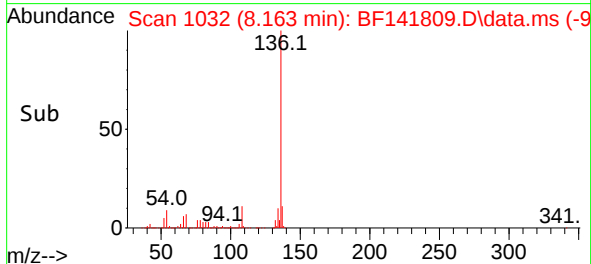
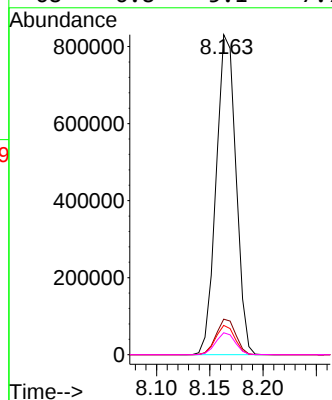
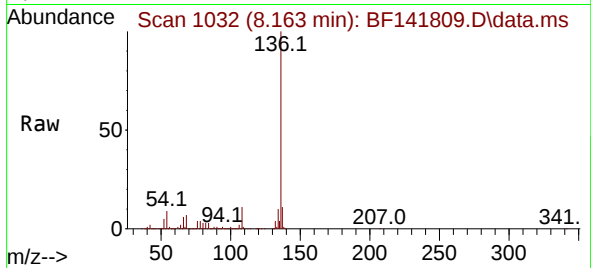




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. -0.012 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

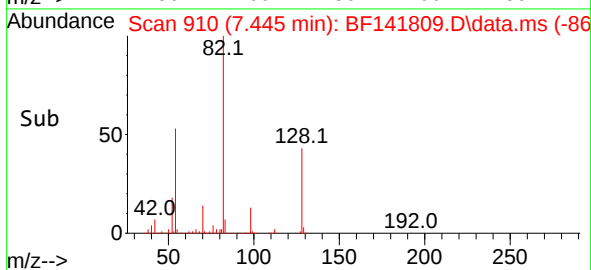
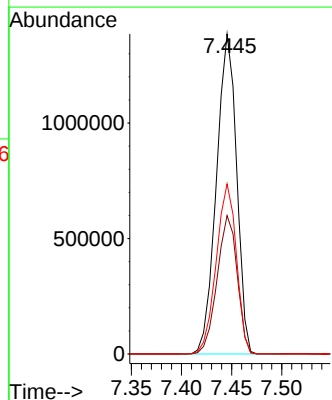
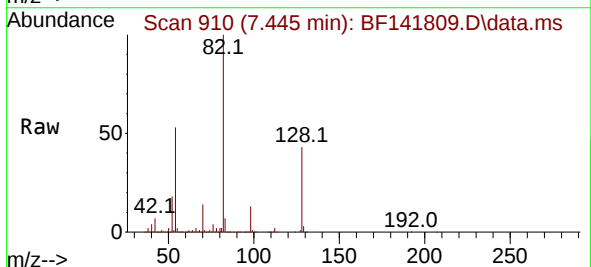
Instrument :  
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ClientSampleId :  
286107

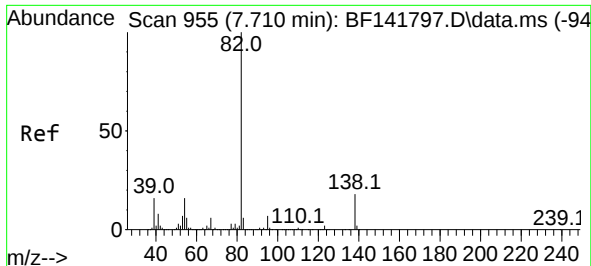
Tgt Ion:136 Resp: 1073459  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 9.2 6.9 10.3  
68 6.8 5.1 7.7



#23  
Nitrobenzene-d5  
Concen: 115.381 ng  
RT: 7.445 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion: 82 Resp: 1937676  
Ion Ratio Lower Upper  
82 100  
128 43.3 33.5 50.3  
54 53.1 42.7 64.1

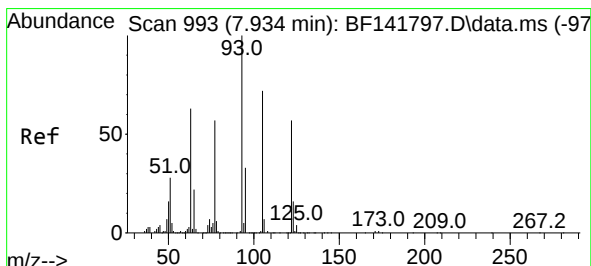
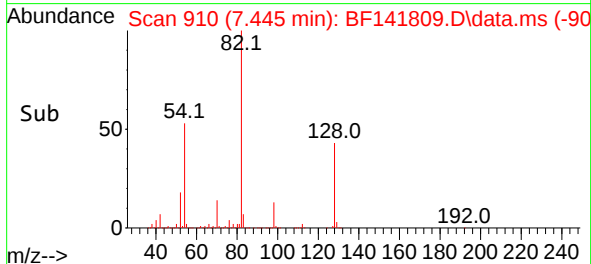
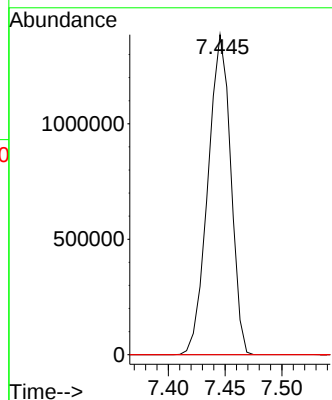
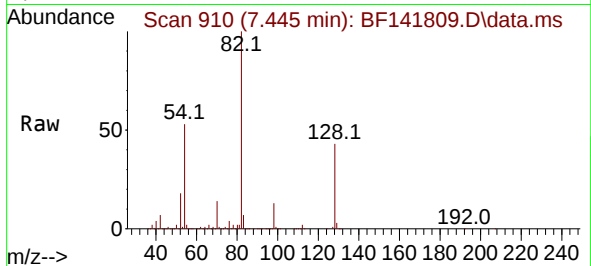




#25  
Isophorone  
Concen: 53.629 ng  
RT: 7.445 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

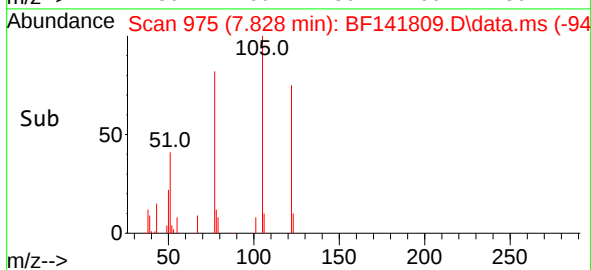
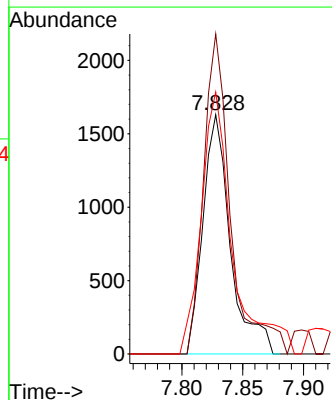
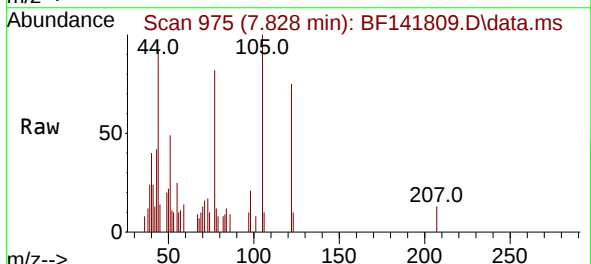
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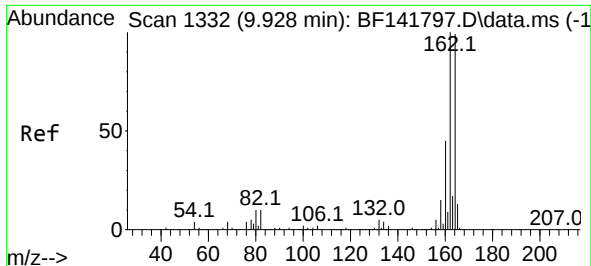
Tgt Ion: 82 Resp: 1934889  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 14.0 21.0#



#32  
Benzoic acid  
Concen: 7.885 ng  
RT: 7.828 min Scan# 975  
Delta R.T. -0.106 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion:122 Resp: 2562  
Ion Ratio Lower Upper  
122 100  
105 133.7 105.8 145.8  
77 109.4 79.9 119.9

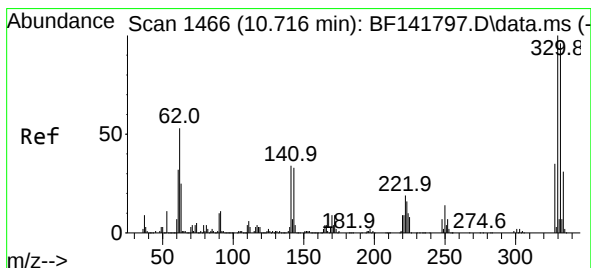
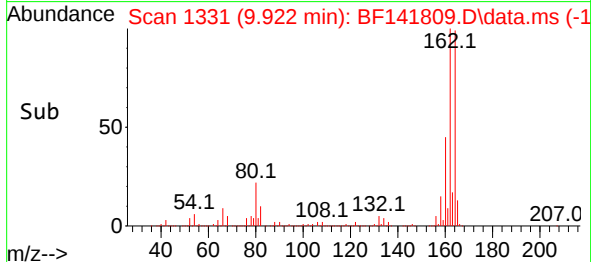
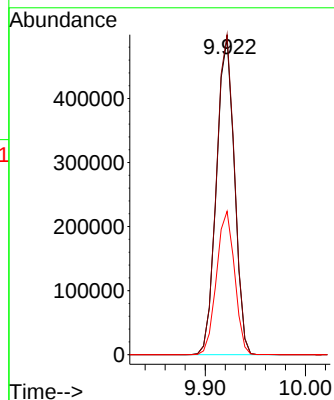
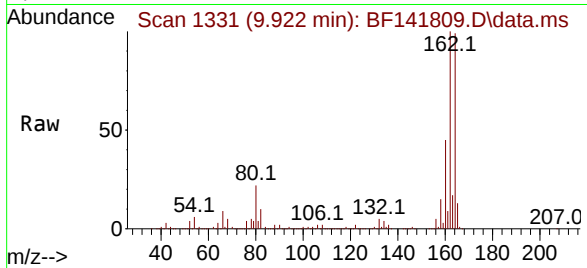




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

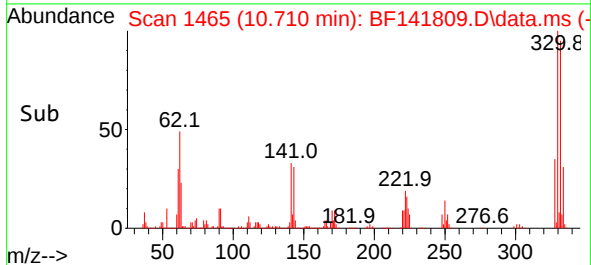
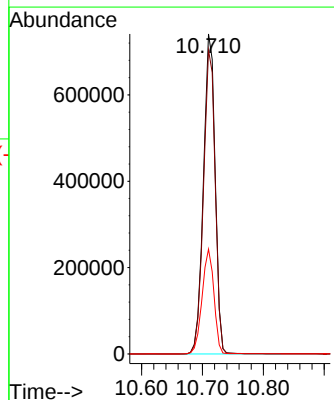
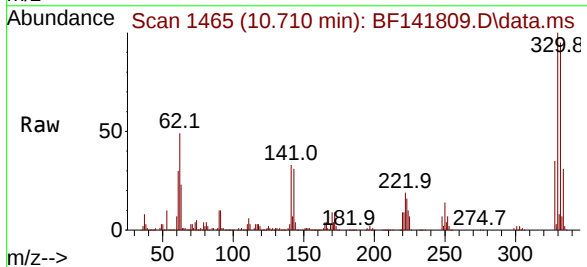
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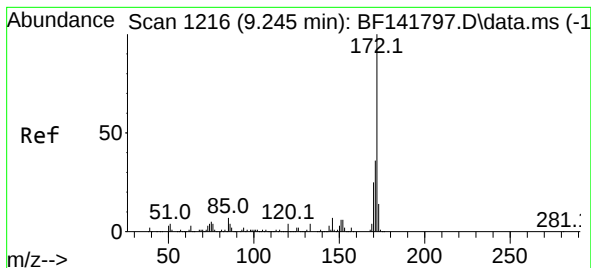
Tgt Ion:164 Resp: 614683  
Ion Ratio Lower Upper  
164 100  
162 101.3 80.6 120.8  
160 45.4 36.3 54.5



#42  
2,4,6-Tribromophenol  
Concen: 171.664 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion:330 Resp: 990630  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.6 115.0  
141 33.0 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 91.383 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141809.D

Acq: 28 Feb 2025 15:15

Instrument :

BNA\_F

ClientSampleId :

286107

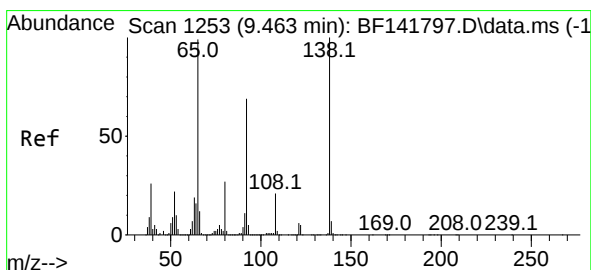
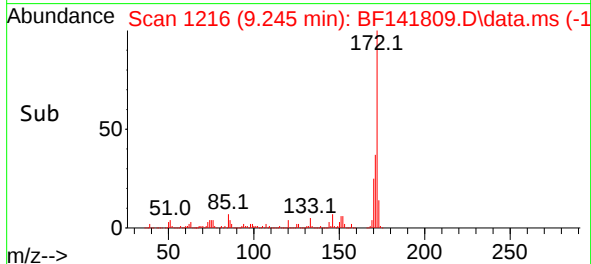
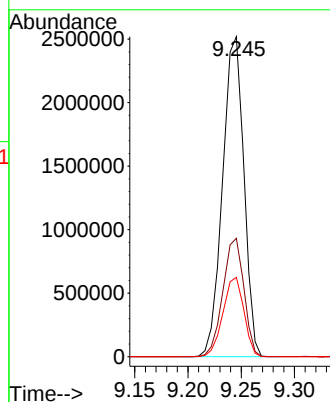
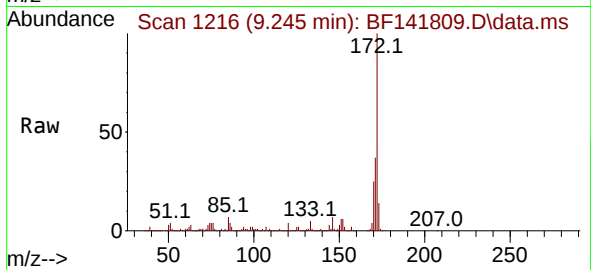
Tgt Ion:172 Resp: 3503179

Ion Ratio Lower Upper

172 100

171 37.0 29.2 43.8

170 24.8 19.7 29.5



#48

2-Nitroaniline

Concen: 4.380 ng

RT: 9.528 min Scan# 1264

Delta R.T. 0.065 min

Lab File: BF141809.D

Acq: 28 Feb 2025 15:15

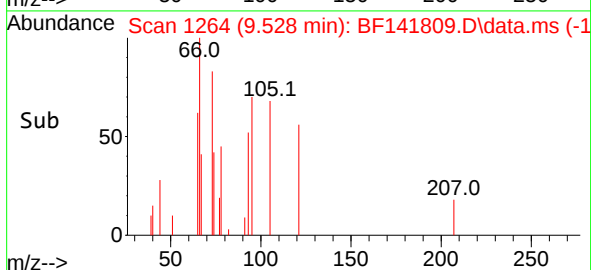
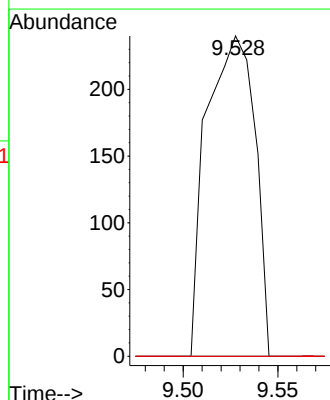
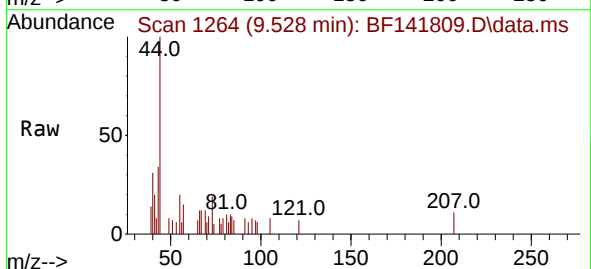
Tgt Ion: 65 Resp: 425

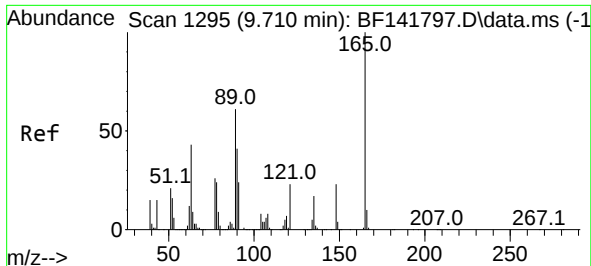
Ion Ratio Lower Upper

65 100

92 0.0 55.7 83.5#

138 0.0 80.6 121.0#

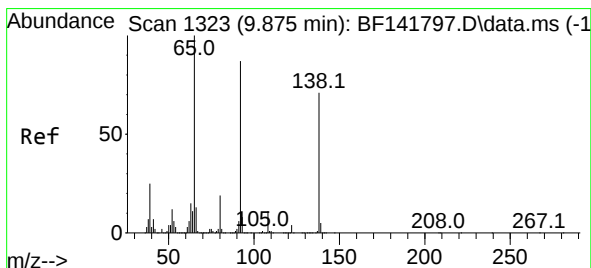
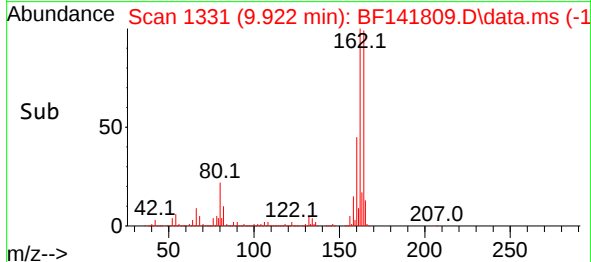
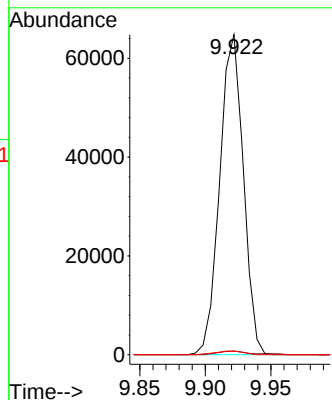
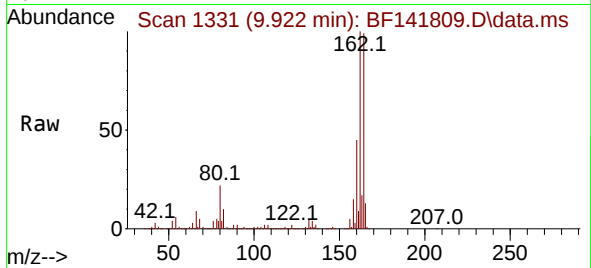




#51  
2,6-Dinitrotoluene  
Concen: 12.506 ng  
RT: 9.922 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

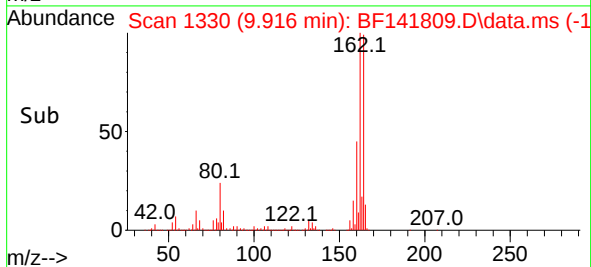
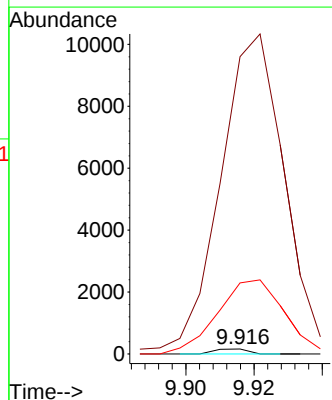
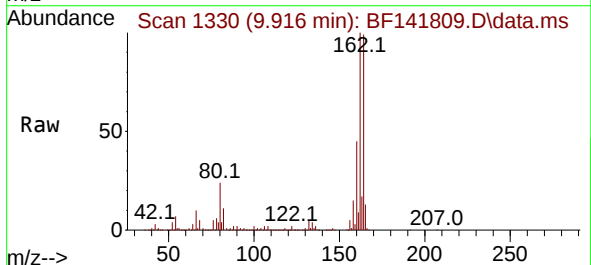
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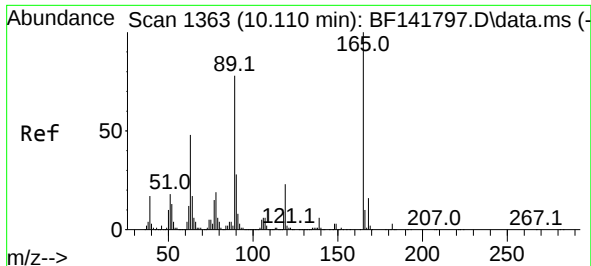
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Ion Ratio Lower Upper  
165 100  
63 1.1 49.5 74.3#  
89 1.2 49.0 73.4#



#53  
3-Nitroaniline  
Concen: 2.979 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. 0.041 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion:138 Resp: 110  
Ion Ratio Lower Upper  
138 100  
108 5964.0 12.7 19.1#  
92 1426.7 97.9 146.9#

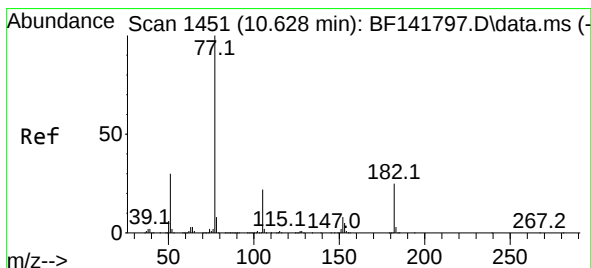
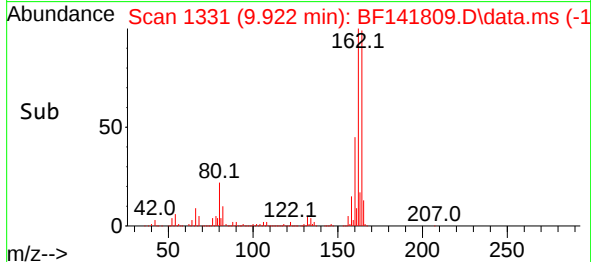
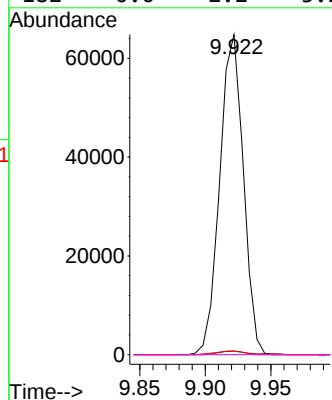
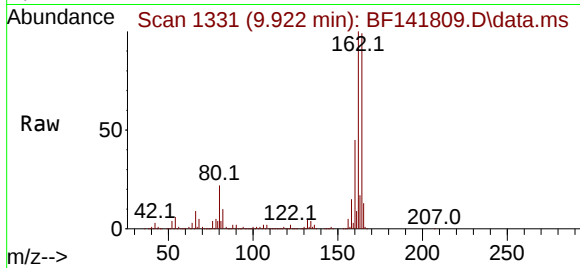




#57  
2,4-Dinitrotoluene  
Concen: 11.326 ng  
RT: 9.922 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

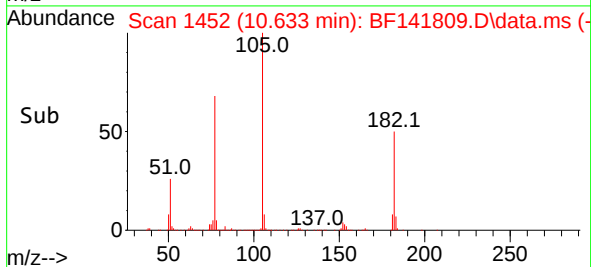
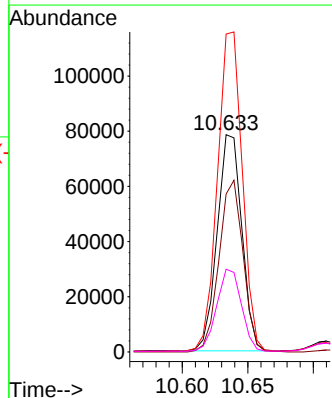
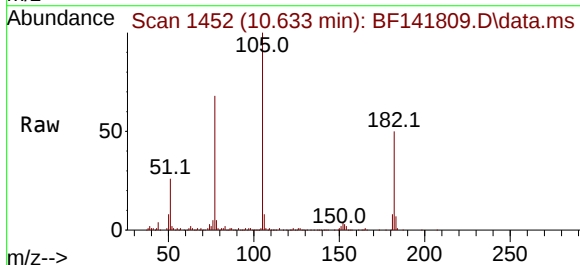
Instrument :  
BNA\_F  
ClientSampleId :  
286107

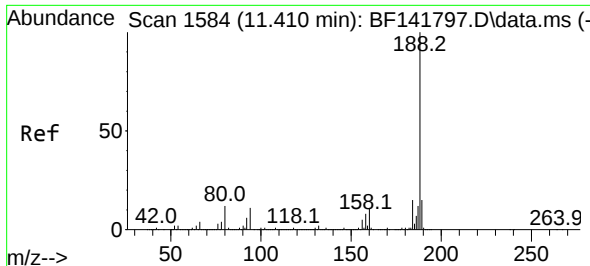
Tgt Ion:165 Resp: 80980  
Ion Ratio Lower Upper  
165 100  
63 1.1 38.8 58.2#  
89 1.2 62.6 94.0#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 2.351 ng  
RT: 10.633 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion: 77 Resp: 102165  
Ion Ratio Lower Upper  
77 100  
182 72.7 4.2 44.2#  
105 146.3 1.5 41.5#  
51 38.1 10.4 50.4

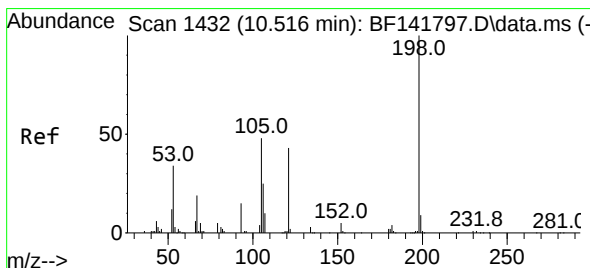
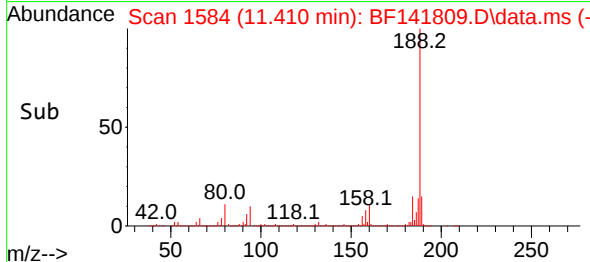
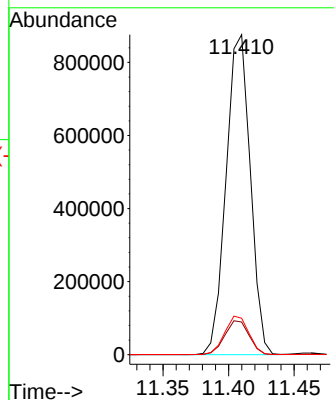
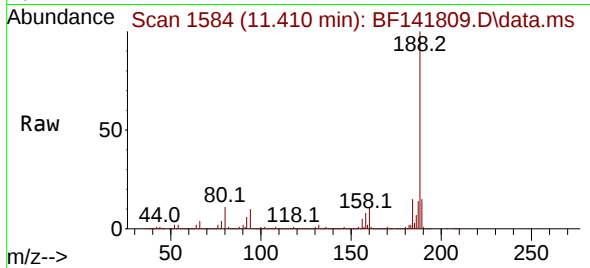




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

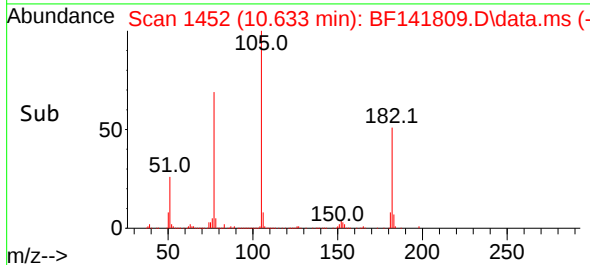
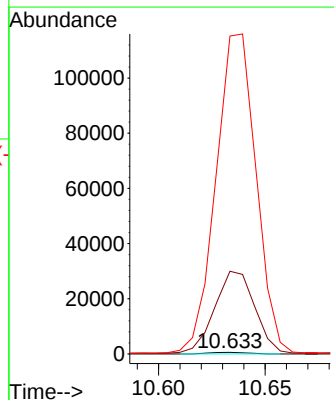
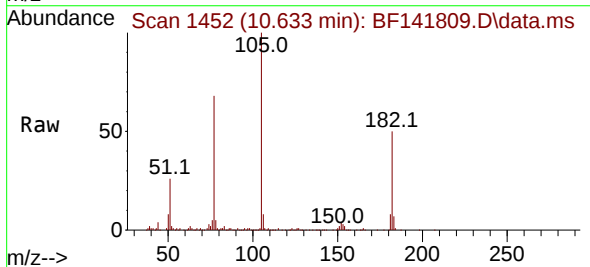
Instrument :  
BNA\_F  
ClientSampleId :  
286107

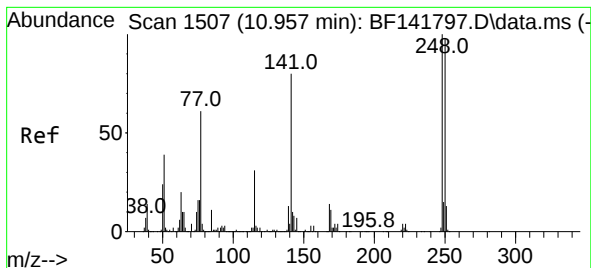
Tgt Ion:188 Resp: 1126447  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.9 13.3  
80 11.4 9.7 14.5



#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.237 ng  
RT: 10.633 min Scan# 1452  
Delta R.T. 0.117 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion:198 Resp: 709  
Ion Ratio Lower Upper  
198 100  
51 5305.5 32.1 72.1#  
105 20393.6 28.5 68.5#

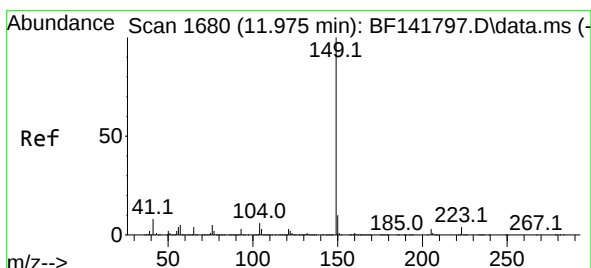
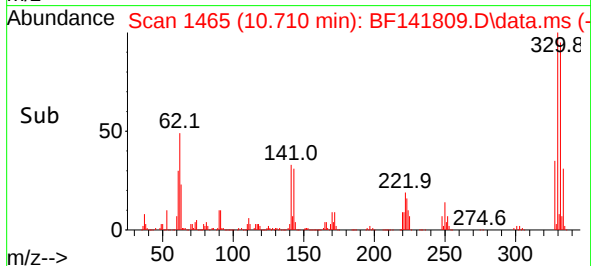
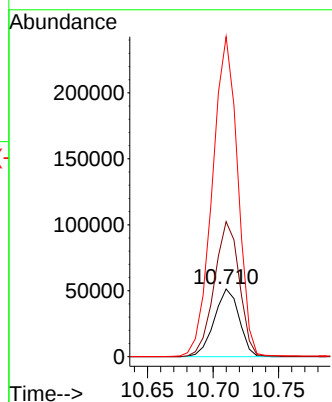
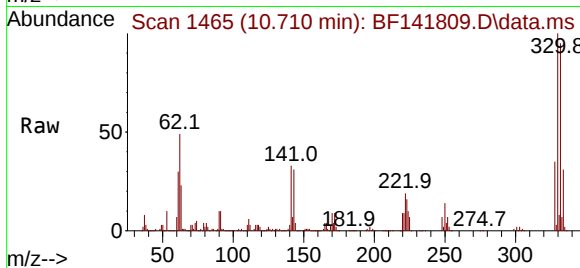




#67  
4-Bromophenyl-phenylether  
Concen: 5.149 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.247 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

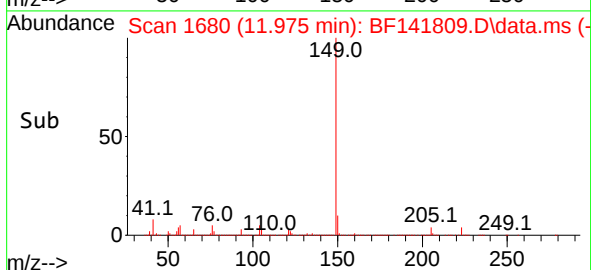
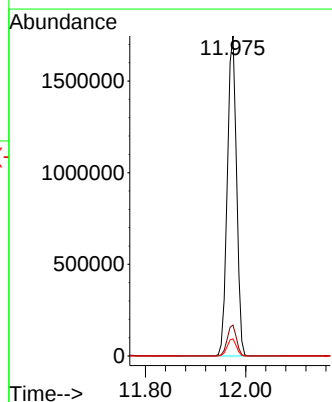
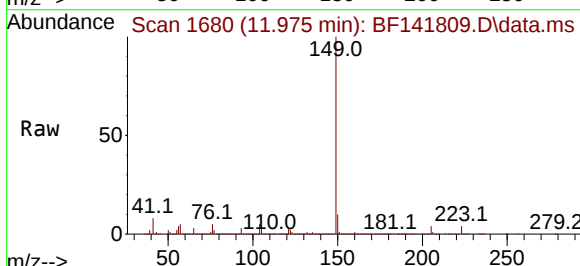
Instrument :  
BNA\_F  
ClientSampleId :  
286107

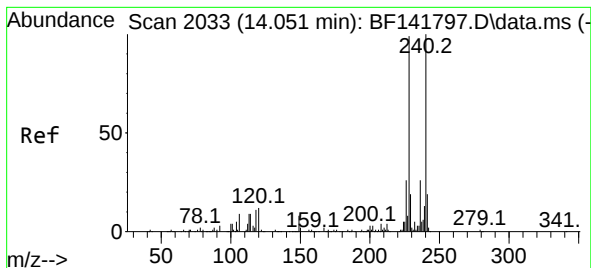
Tgt Ion:248 Resp: 67746  
Ion Ratio Lower Upper  
248 100  
250 199.5 78.1 117.1#  
141 472.6 64.3 96.5#



#74  
Di-n-butylphthalate  
Concen: 33.096 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BF141809.D  
Acq: 28 Feb 2025 15:15

Tgt Ion:149 Resp: 2237190  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.7 11.5  
104 5.4 4.4 6.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF141809.D

Acq: 28 Feb 2025 15:15

Instrument :

BNA\_F

ClientSampleId :

286107

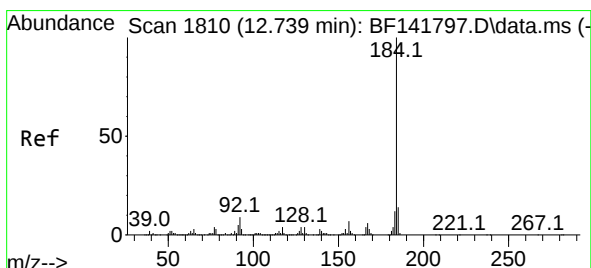
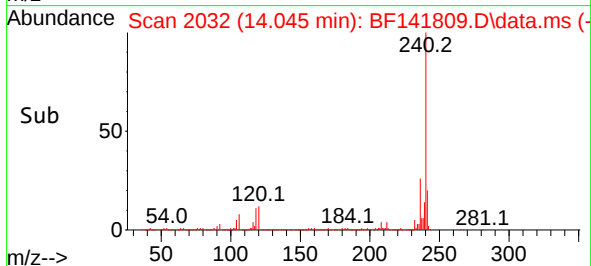
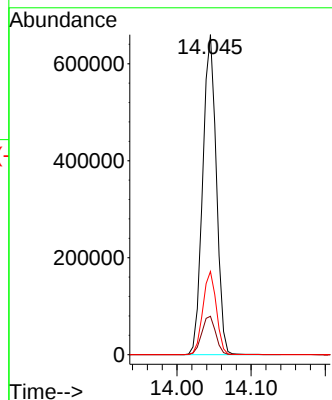
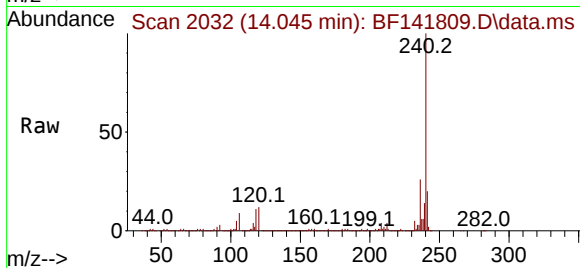
Tgt Ion:240 Resp: 841278

Ion Ratio Lower Upper

240 100

120 12.0 9.7 14.5

236 26.0 21.0 31.4



#77

Benzidine

Concen: 6.247 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.259 min

Lab File: BF141809.D

Acq: 28 Feb 2025 15:15

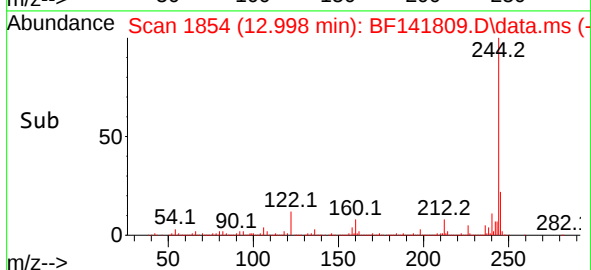
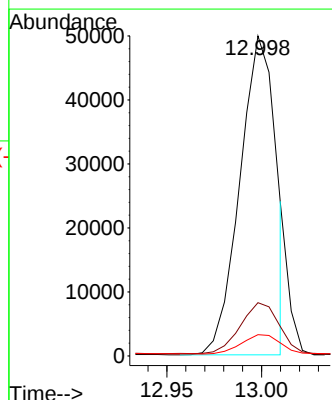
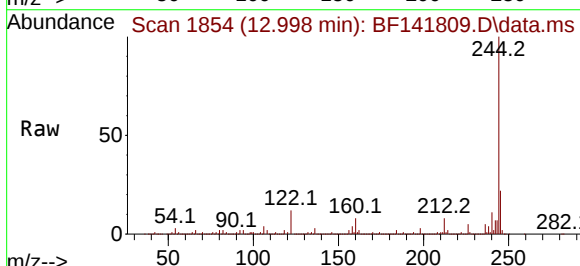
Tgt Ion:184 Resp: 66152

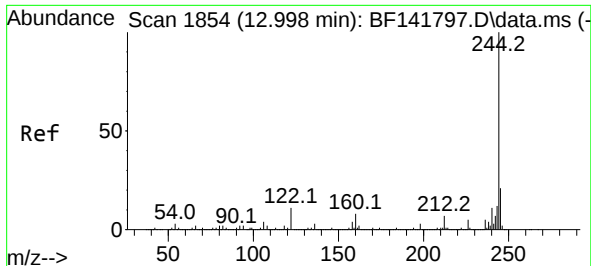
Ion Ratio Lower Upper

184 100

185 16.6 11.6 17.4

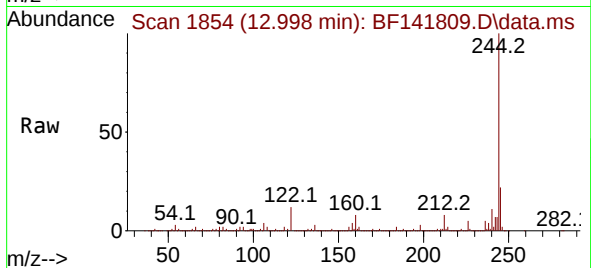
183 6.6 9.4 14.0#



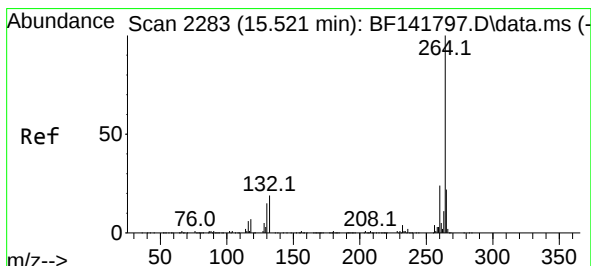
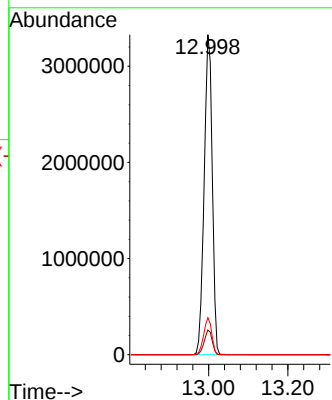
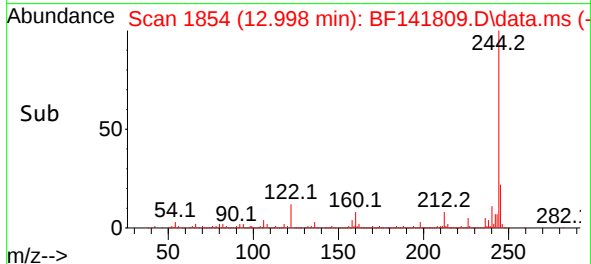


#79  
 Terphenyl-d14  
 Concen: 90.655 ng  
 RT: 12.998 min Scan# 1854  
 Delta R.T. -0.000 min  
 Lab File: BF141809.D  
 Acq: 28 Feb 2025 15:15

Instrument :  
 BNA\_F  
 ClientSampleId :  
 286107



Tgt Ion:244 Resp: 4713835  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.0 9.0  
 122 11.6 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.521 min Scan# 2283  
 Delta R.T. -0.000 min  
 Lab File: BF141809.D  
 Acq: 28 Feb 2025 15:15

Tgt Ion:264 Resp: 703971  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.9 28.3  
 265 21.6 17.4 26.0

