

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110421\  
 Data File : BM032870.D  
 Acq On : 04 Nov 2021 12:13  
 Operator : CG/JU  
 Sample : M4470-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP-2

Quant Time: Nov 04 14:29:59 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 02 16:07:18 2021  
 Response via : Initial Calibration

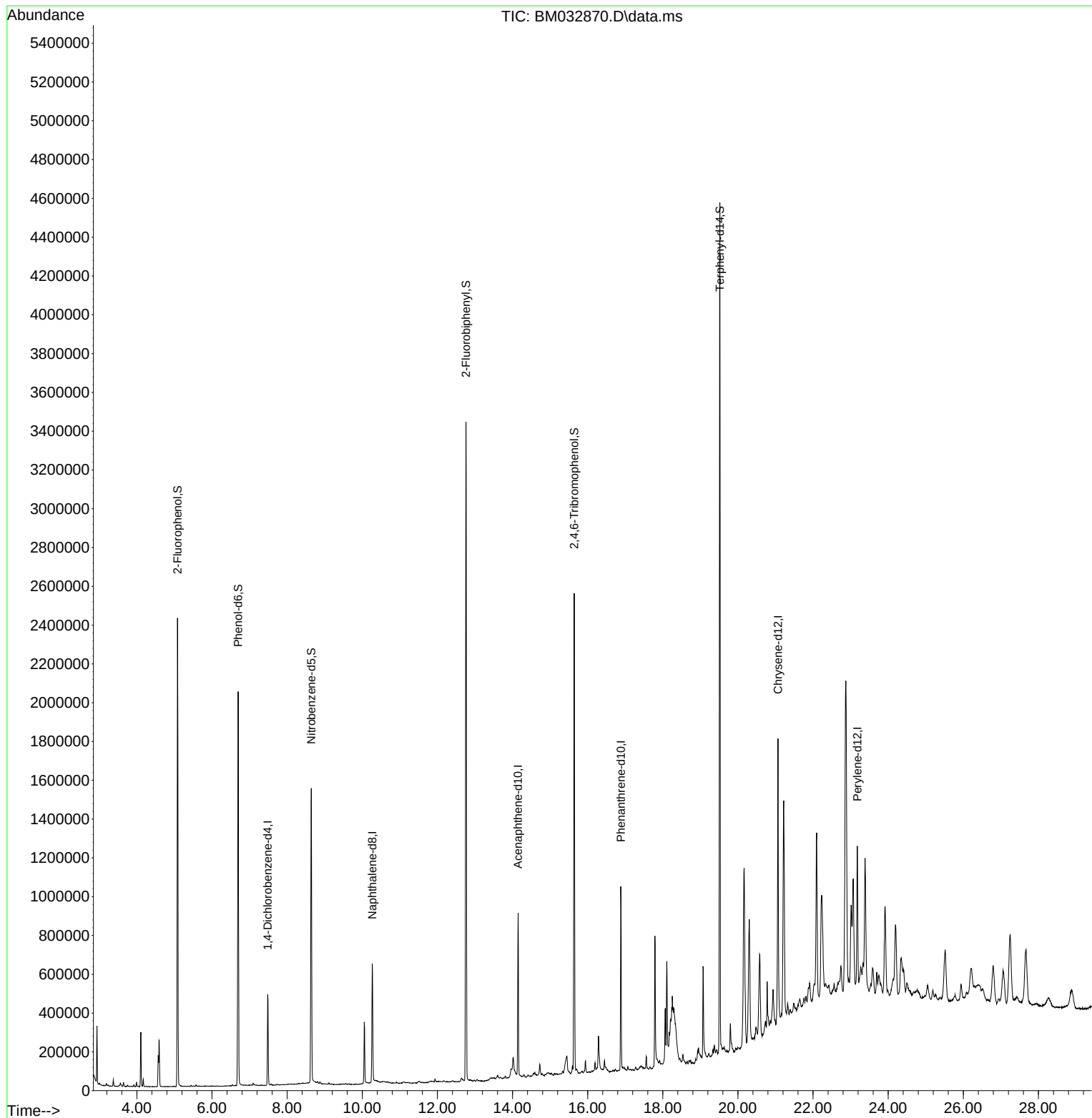
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min)    |
|-----------------------------|--------|------|----------|-----------|-------|-------------|
| -----                       |        |      |          |           |       |             |
| Internal Standards          |        |      |          |           |       |             |
| 1) 1,4-Dichlorobenzene-d4   | 7.484  | 152  | 120545   | 20.000    | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.266 | 136  | 462976   | 20.000    | ng    | # 0.00      |
| 39) Acenaphthene-d10        | 14.148 | 164  | 273353   | 20.000    | ng    | 0.00        |
| 64) Phenanthrene-d10        | 16.883 | 188  | 513082   | 20.000    | ng    | #-0.01      |
| 76) Chrysene-d12            | 21.065 | 240  | 438397   | 20.000    | ng    | #-0.01      |
| 86) Perylene-d12            | 23.177 | 264  | 457601   | 20.000    | ng    | -0.01       |
| System Monitoring Compounds |        |      |          |           |       |             |
| 5) 2-Fluorophenol           | 5.084  | 112  | 938720   | 135.763   | ng    | 0.00        |
| 7) Phenol-d6                | 6.696  | 99   | 1071312  | 104.042   | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.642  | 82   | 817121   | 96.600    | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 15.642 | 330  | 394399   | 128.831   | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 12.760 | 172  | 1701290  | 96.530    | ng    | 0.00        |
| 79) Terphenyl-d14           | 19.518 | 244  | 1997939  | 99.499    | ng    | 0.00        |
| Target Compounds            |        |      |          |           |       |             |
| 2) 1,4-Dioxane              | 2.931  | 88   | 210      | Below Cal | #     | Qvalue<br>1 |
| -----                       |        |      |          |           |       |             |

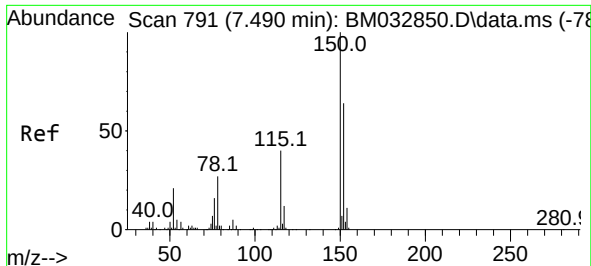
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 02 16:07:18 2021  
Response via : Initial Calibration

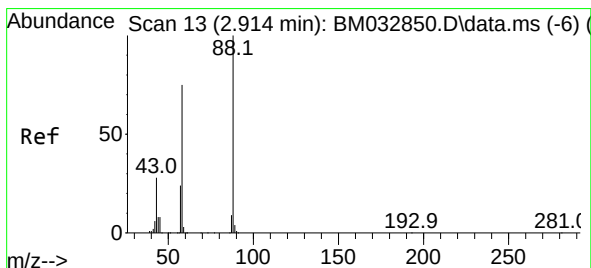
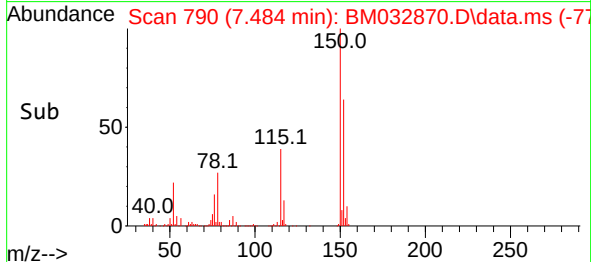
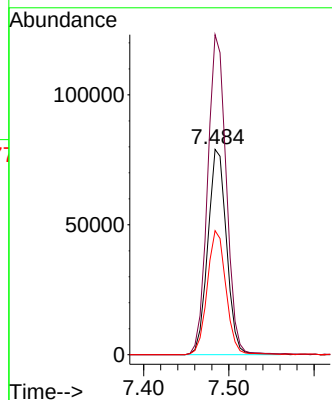
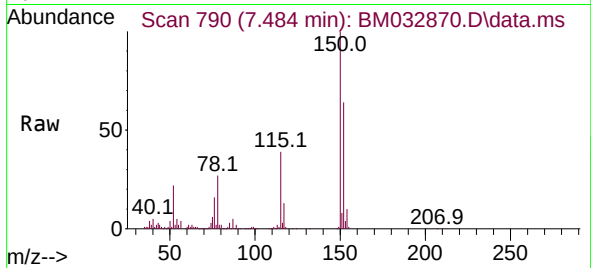




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.484 min Scan# 791  
Delta R.T. -0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

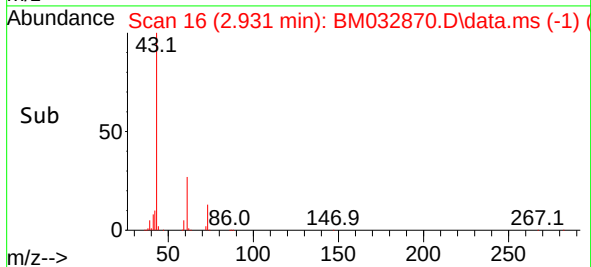
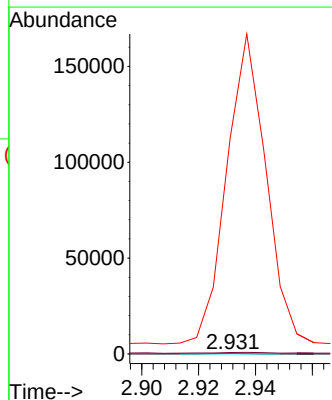
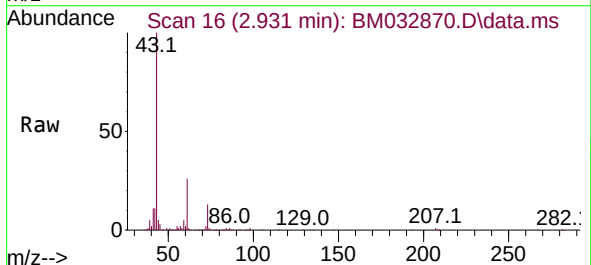
Instrument :  
BNA\_M  
ClientSampleId :  
SP-2

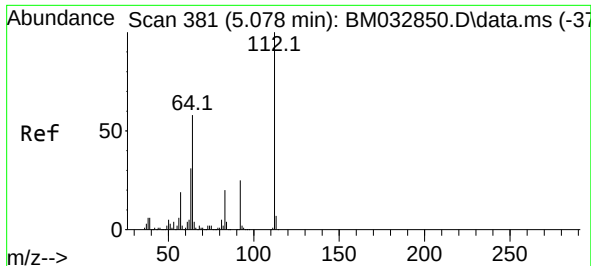
Tgt Ion:152 Resp: 120545  
Ion Ratio Lower Upper  
152 100  
150 155.8 122.4 183.6  
115 60.4 53.8 80.8



#2  
1,4-Dioxane  
Concen: Below Cal  
RT: 2.931 min Scan# 16  
Delta R.T. 0.017 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

Tgt Ion: 88 Resp: 210  
Ion Ratio Lower Upper  
88 100  
58 351.0 50.4 75.6#  
43 75145.2 22.2 33.2#

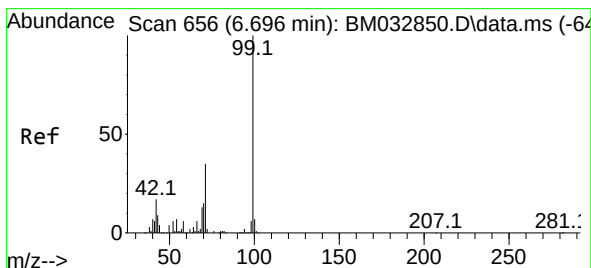
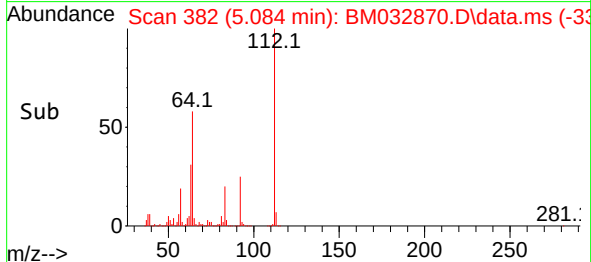
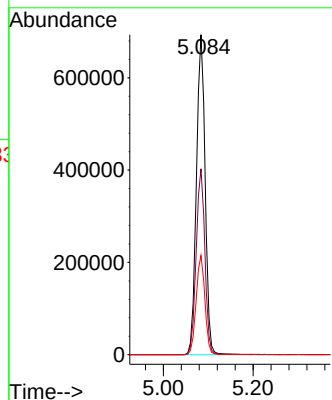
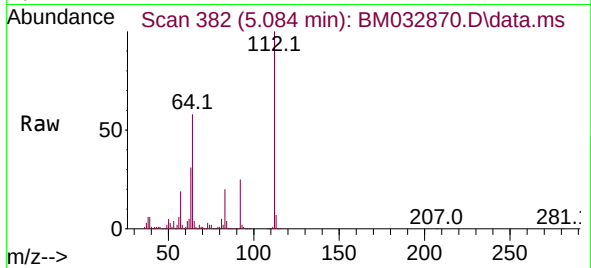




#5  
2-Fluorophenol  
Concen: 135.763 ng  
RT: 5.084 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

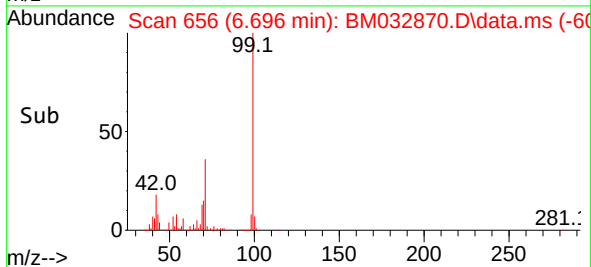
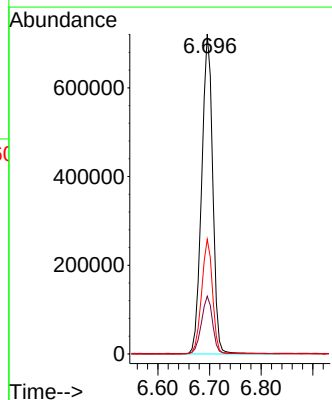
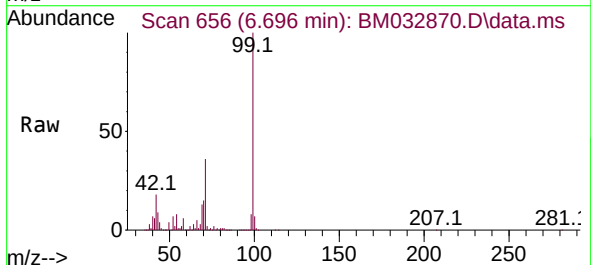
Instrument :  
BNA\_M  
ClientSampleId :  
SP-2

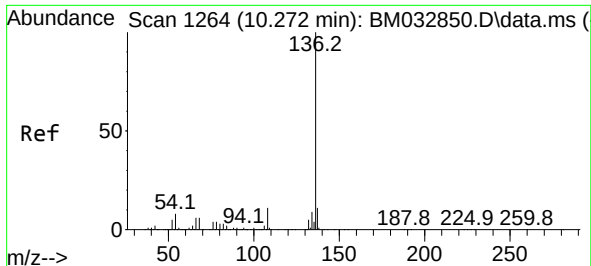
Tgt Ion:112 Resp: 938720  
Ion Ratio Lower Upper  
112 100  
64 58.1 53.7 80.5  
63 31.0 33.9 50.9#



#7  
Phenol-d6  
Concen: 104.042 ng  
RT: 6.696 min Scan# 656  
Delta R.T. -0.000 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

Tgt Ion: 99 Resp: 1071312  
Ion Ratio Lower Upper  
99 100  
42 18.0 23.0 34.6#  
71 35.9 37.8 56.8#

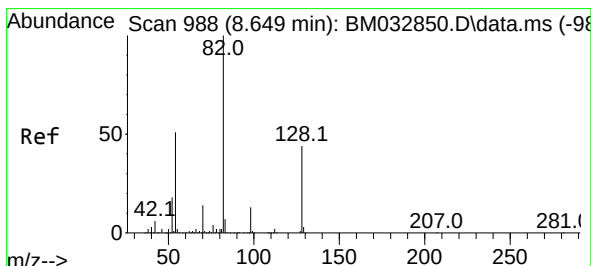
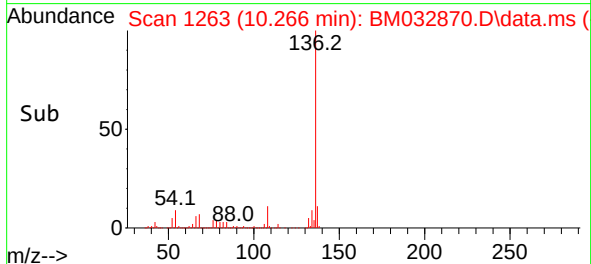
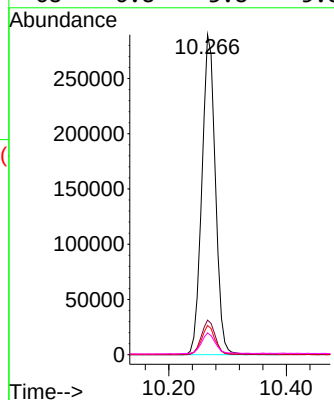
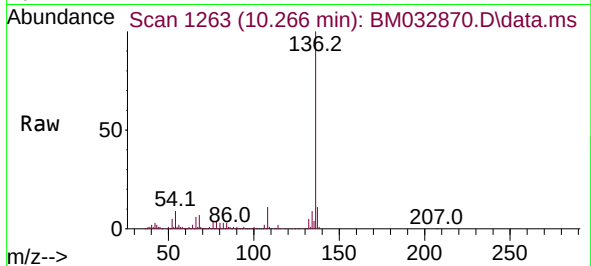




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.266 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

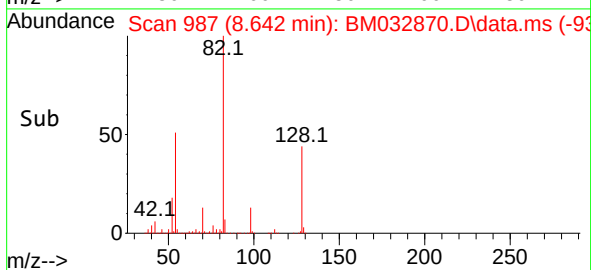
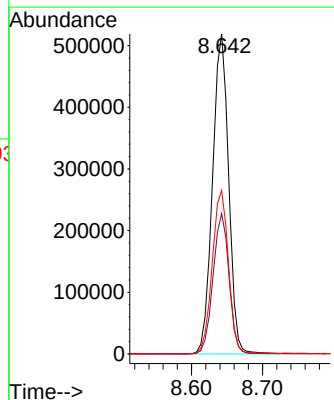
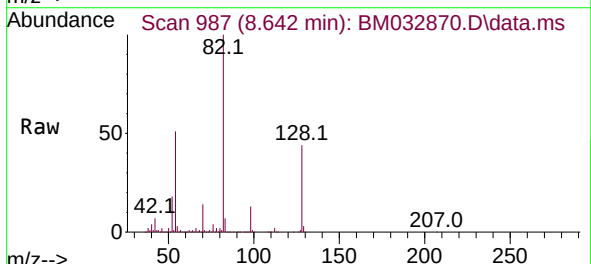
Instrument :  
BNA\_M  
ClientSampleId :  
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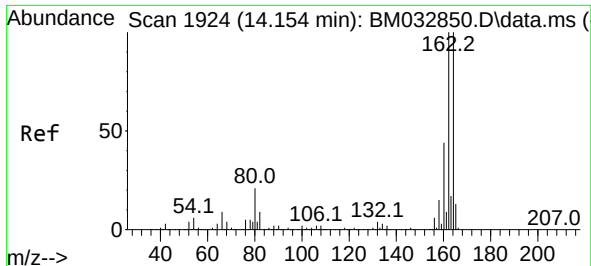
Tgt Ion:136 Resp: 462976  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.7 13.1  
54 9.2 7.4 11.0  
68 6.8 3.8 5.8#



#23  
Nitrobenzene-d5  
Concen: 96.600 ng  
RT: 8.642 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

Tgt Ion: 82 Resp: 817121  
Ion Ratio Lower Upper  
82 100  
128 43.9 29.0 43.6#  
54 51.1 45.8 68.8

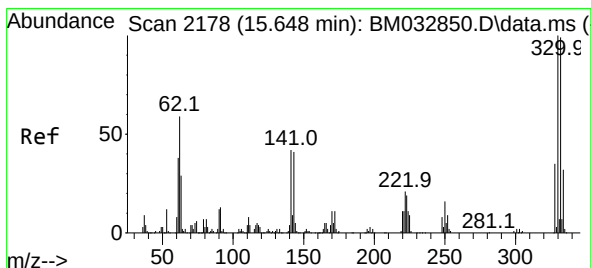
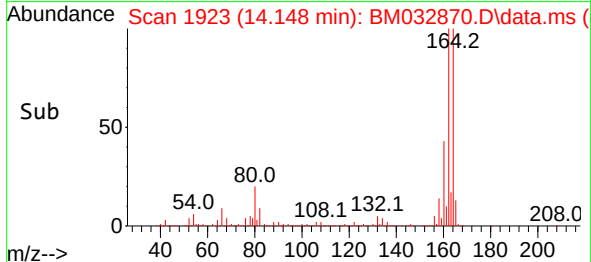
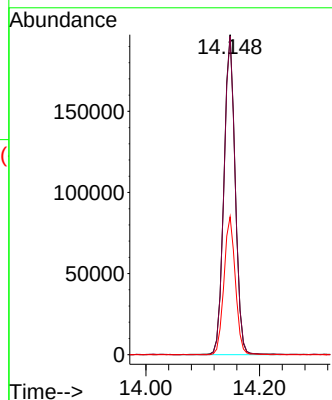
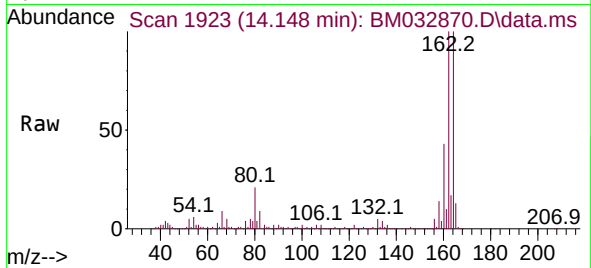




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.148 min Scan# 1923  
Delta R.T. -0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

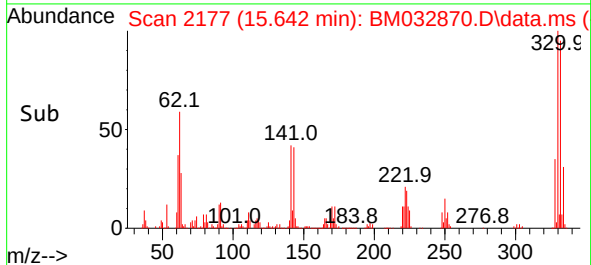
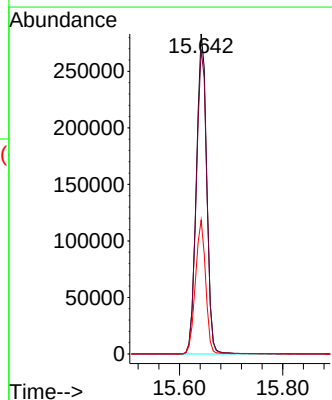
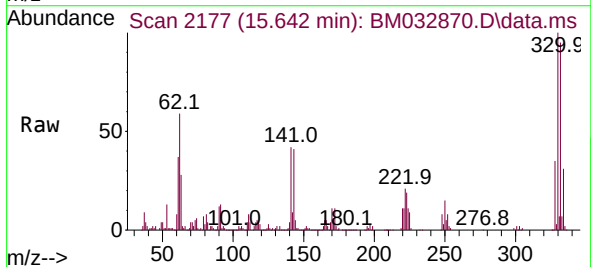
Instrument :  
BNA\_M  
ClientSampleId :  
SP-2

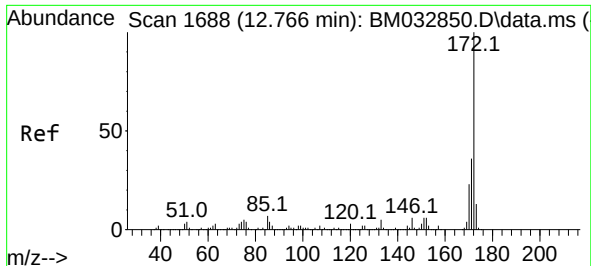
Tgt Ion:164 Resp: 273353  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.6 121.0  
160 43.1 35.1 52.7



#42  
2,4,6-Tribromophenol  
Concen: 128.831 ng  
RT: 15.642 min Scan# 2177  
Delta R.T. -0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

Tgt Ion:330 Resp: 394399  
Ion Ratio Lower Upper  
330 100  
332 96.4 75.7 113.5  
141 41.1 50.7 76.1#

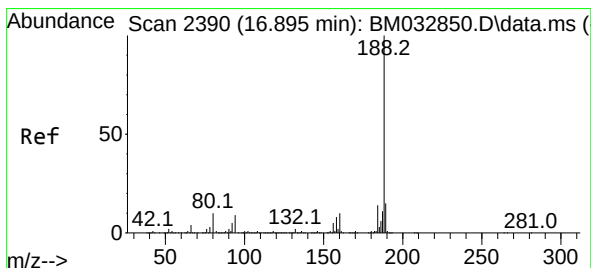
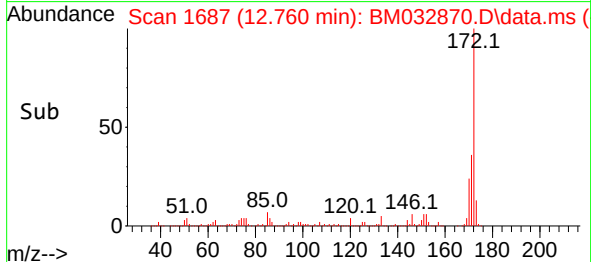
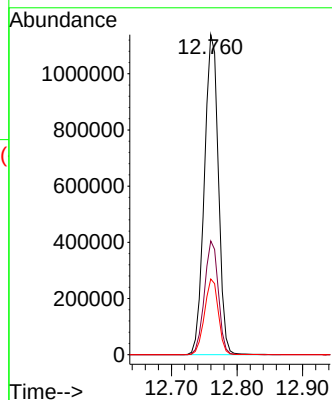
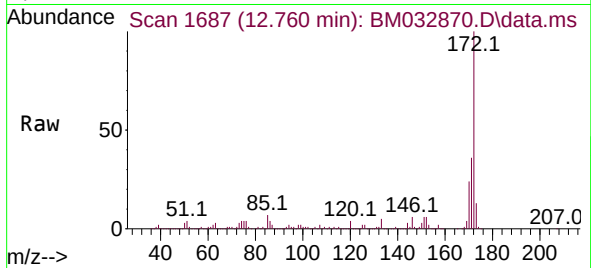




#45  
2-Fluorobiphenyl  
Concen: 96.530 ng  
RT: 12.760 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

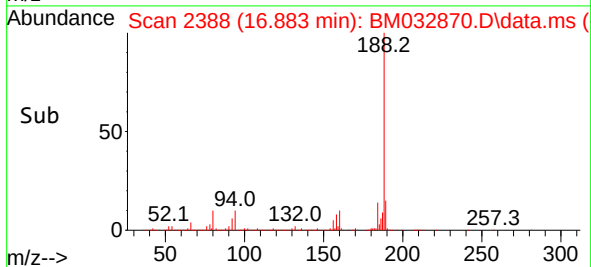
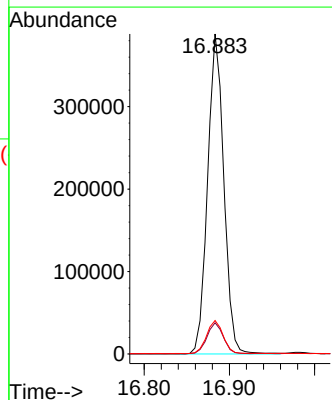
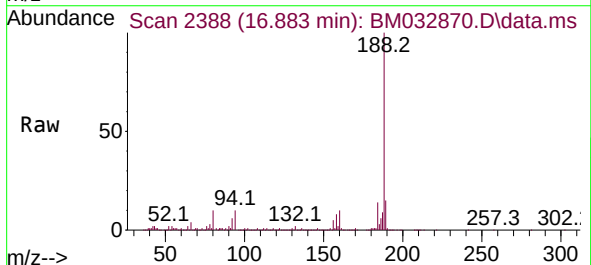
Instrument :  
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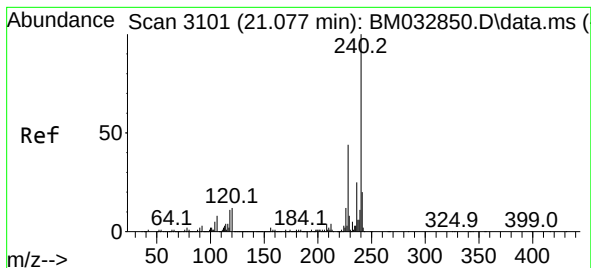
Tgt Ion:172 Resp: 1701290  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.1 42.1  
170 23.6 18.6 27.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.883 min Scan# 2388  
Delta R.T. -0.012 min  
Lab File: BM032870.D  
Acq: 04 Nov 2021 12:13

Tgt Ion:188 Resp: 513082  
Ion Ratio Lower Upper  
188 100  
94 9.7 6.3 9.5#  
80 10.5 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.065 min Scan# 3099

Delta R.T. -0.012 min

Lab File: BM032870.D

Acq: 04 Nov 2021 12:13

Instrument :

BNA\_M

ClientSampleId :

SP-2

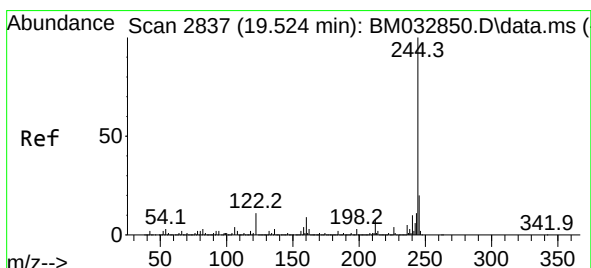
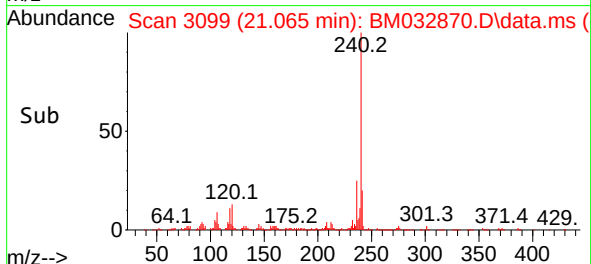
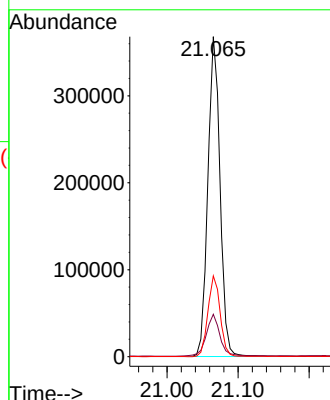
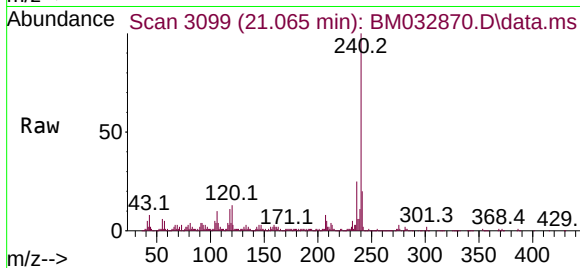
Tgt Ion:240 Resp: 438397

Ion Ratio Lower Upper

240 100

120 13.2 7.8 11.6#

236 25.3 20.9 31.3



#79

Terphenyl-d14

Concen: 99.499 ng

RT: 19.518 min Scan# 2836

Delta R.T. -0.006 min

Lab File: BM032870.D

Acq: 04 Nov 2021 12:13

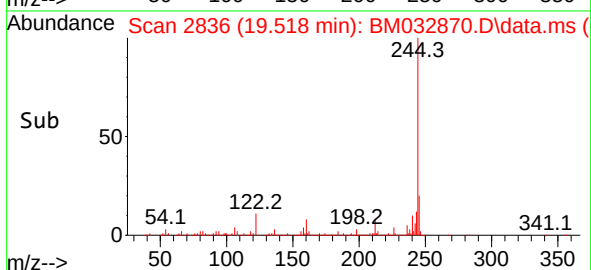
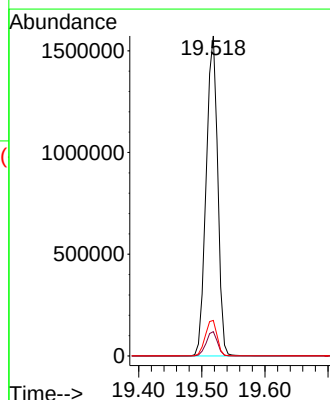
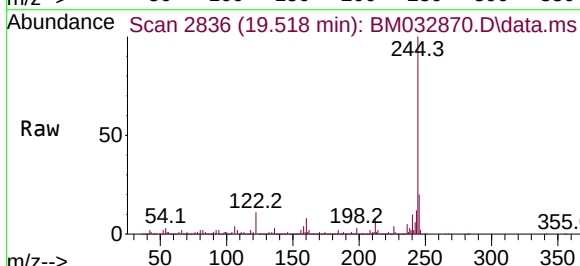
Tgt Ion:244 Resp: 1997939

Ion Ratio Lower Upper

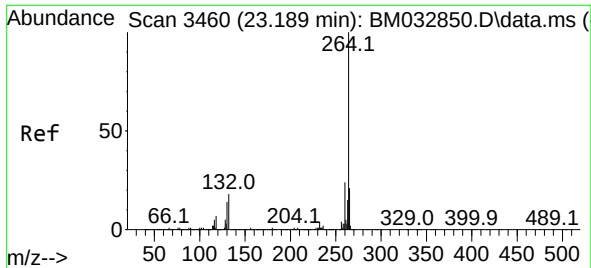
244 100

212 7.6 6.5 9.7

122 11.1 8.7 13.1







#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.177 min Scan# 34  
 Delta R.T. -0.012 min  
 Lab File: BM032870.D  
 Acq: 04 Nov 2021 12:13

Instrument :  
 BNA\_M  
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Tgt Ion:264 Resp: 457601  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.3 28.9  
 265 21.9 18.3 27.5

