

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120623\  
 Data File : BG059974.D  
 Acq On : 6 Dec 2023 17:59  
 Operator : MA/JU  
 Sample : 05602-12  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROUTE-4-TP-6

Quant Time: Dec 06 23:17:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG120423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 05 02:26:15 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.955  | 152  | 125931   | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8          | 10.764 | 136  | 444340   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.594 | 164  | 405686   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.344 | 188  | 1419602  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.616 | 240  | 1865411  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.812 | 264  | 2202373  | 20.000  | ng    | # 0.00   |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.529  | 112  | 878982   | 140.242 | ng    | 0.00     |
| 7) Phenol-d6                | 7.115  | 99   | 1007135  | 101.952 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.118  | 82   | 832901   | 67.006  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.081 | 330  | 1371769  | 105.096 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.220 | 172  | 2842426  | 76.419  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.970 | 244  | 6211836  | 57.406  | ng    | 0.00     |

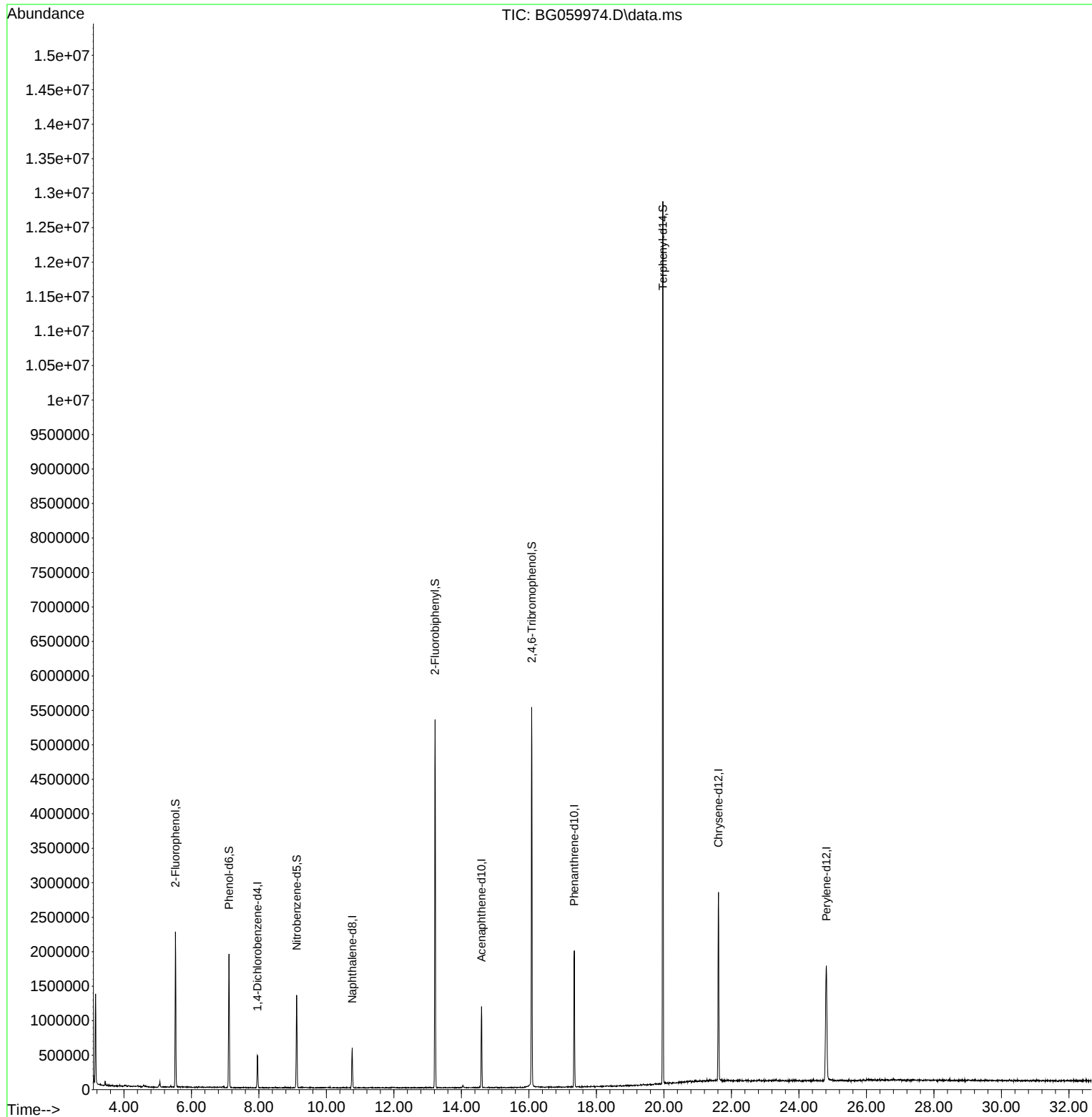
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

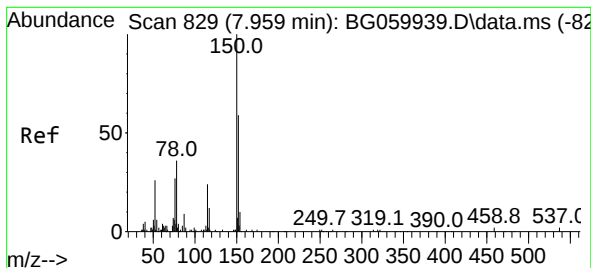
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120623\  
Data File : BG059974.D  
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Sample : 05602-12  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

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BNA\_G  
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ROUTE-4-TP-6

Quant Time: Dec 06 23:17:20 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG120423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 05 02:26:15 2023  
Response via : Initial Calibration

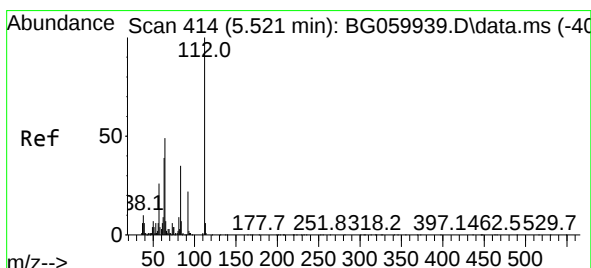
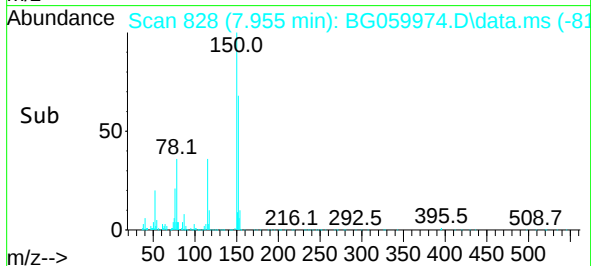
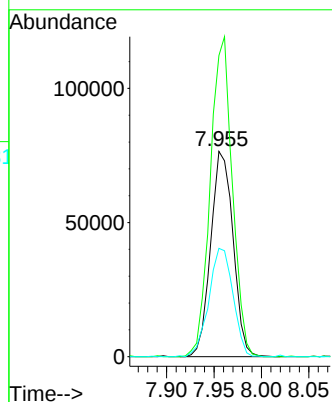
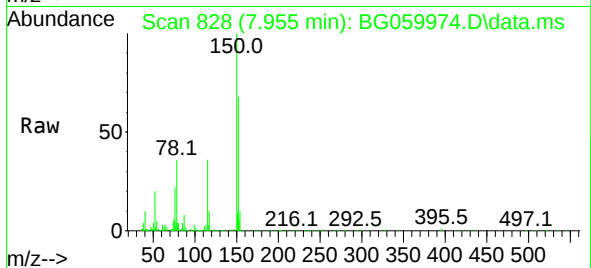




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.955 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

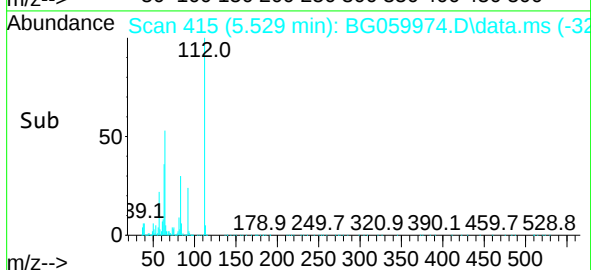
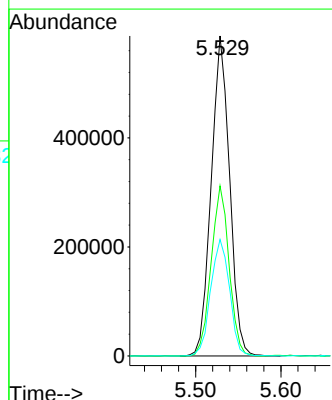
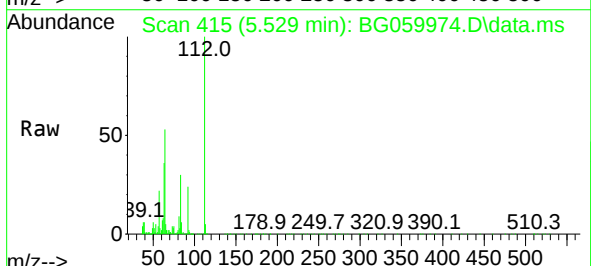
Instrument :  
BNA\_G  
ClientSampleId :  
ROUTE-4-TP-6

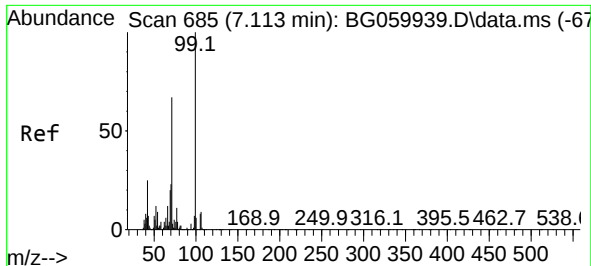
Tgt Ion:152 Resp: 125931  
Ion Ratio Lower Upper  
152 100  
150 146.6 136.9 205.3  
115 52.8 32.9 49.3#



#5  
2-Fluorophenol  
Concen: 140.242 ng  
RT: 5.529 min Scan# 415  
Delta R.T. 0.008 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

Tgt Ion:112 Resp: 878982  
Ion Ratio Lower Upper  
112 100  
64 53.2 39.4 59.0  
63 36.4 31.2 46.8

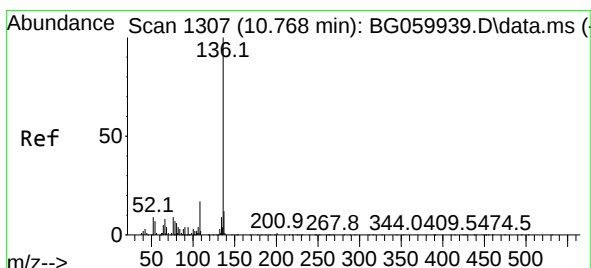
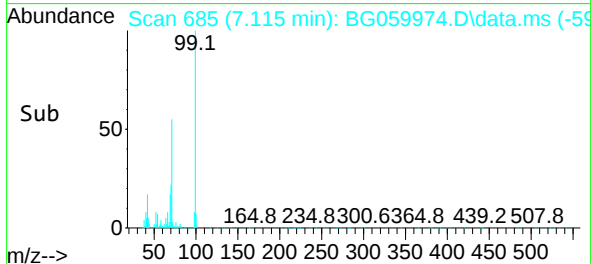
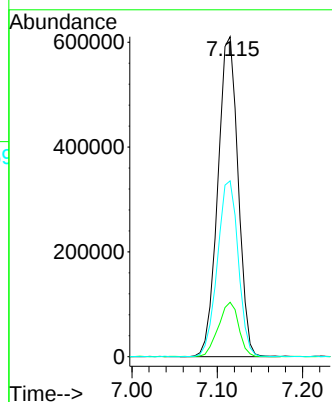
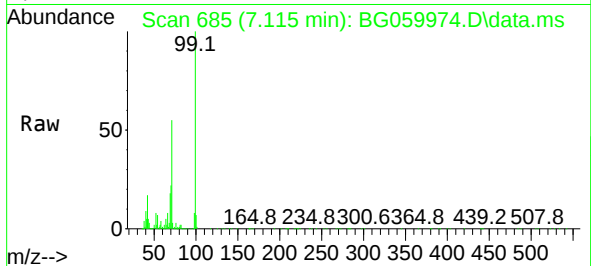




#7  
Phenol-d6  
Concen: 101.952 ng  
RT: 7.115 min Scan# 61  
Delta R.T. 0.002 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

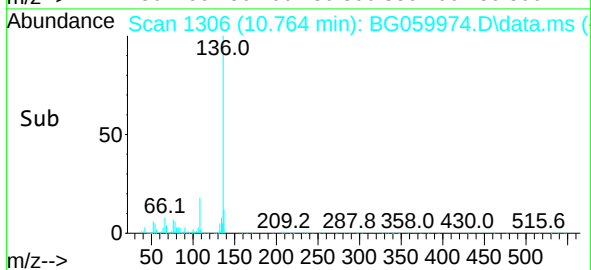
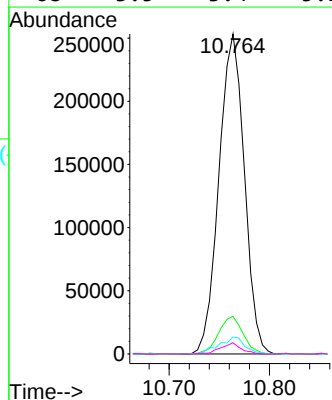
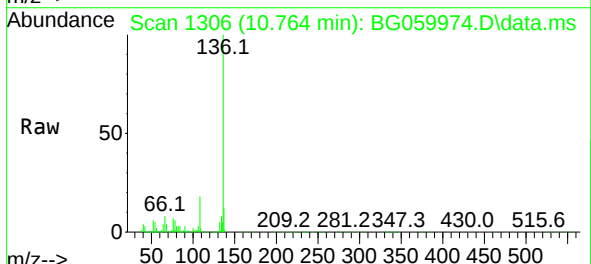
Instrument :  
BNA\_G  
ClientSampleId :  
ROUTE-4-TP-6

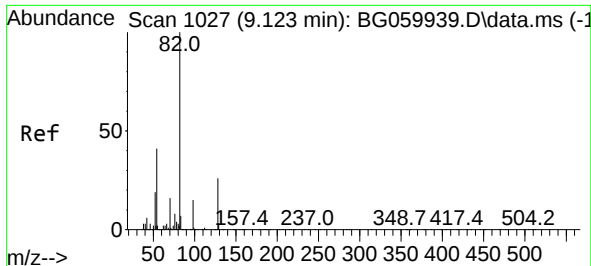
Tgt Ion: 99 Resp: 1007135  
Ion Ratio Lower Upper  
99 100  
42 17.0 20.1 30.1#  
71 55.0 53.8 80.6



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.764 min Scan# 1306  
Delta R.T. -0.004 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

Tgt Ion:136 Resp: 444340  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.8 14.6  
54 5.3 5.8 8.6#  
68 3.5 3.4 5.2

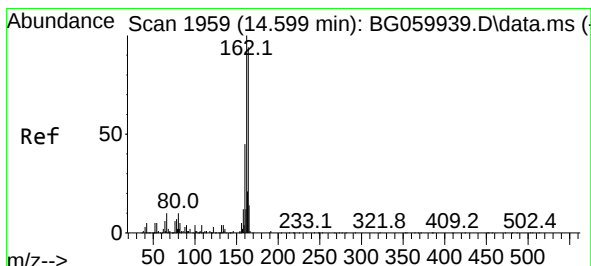
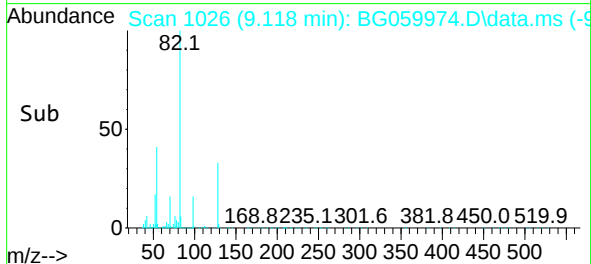
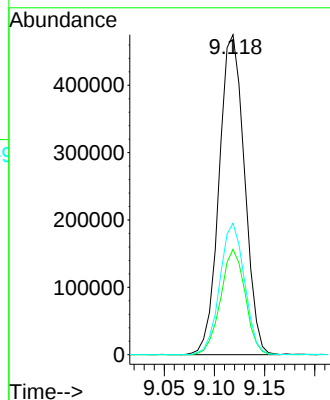
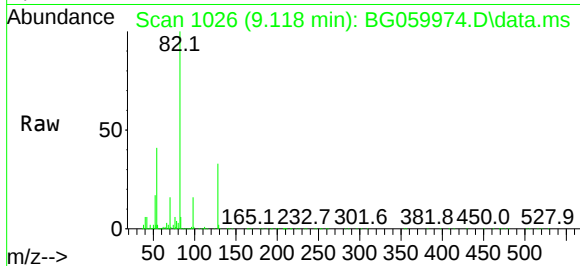




#23  
Nitrobenzene-d5  
Concen: 67.006 ng  
RT: 9.118 min Scan# 1026  
Delta R.T. -0.004 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

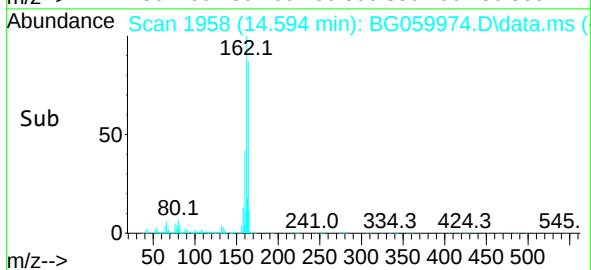
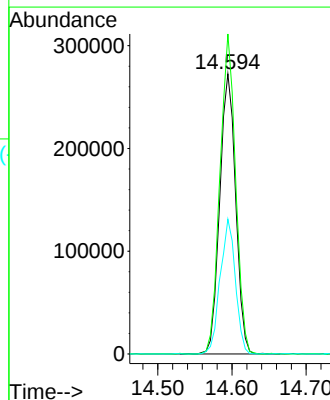
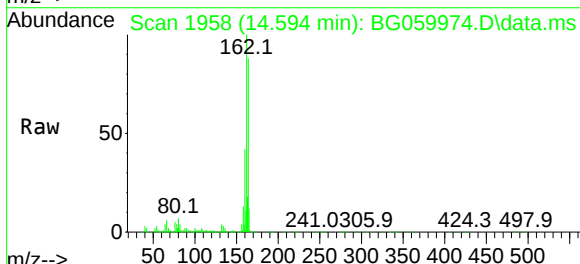
Instrument :  
BNA\_G  
ClientSampleId :  
ROUTE-4-TP-6

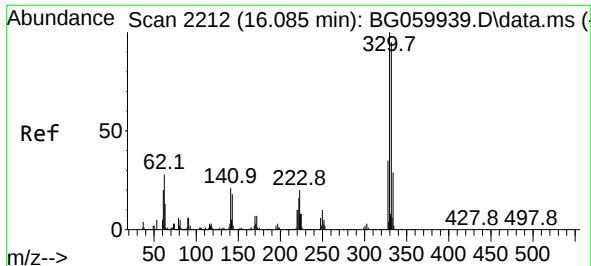
Tgt Ion: 82 Resp: 832901  
Ion Ratio Lower Upper  
82 100  
128 32.9 21.0 31.6#  
54 41.1 32.6 48.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.594 min Scan# 1958  
Delta R.T. -0.004 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

Tgt Ion:164 Resp: 405686  
Ion Ratio Lower Upper  
164 100  
162 114.2 85.0 127.6  
160 48.1 38.1 57.1

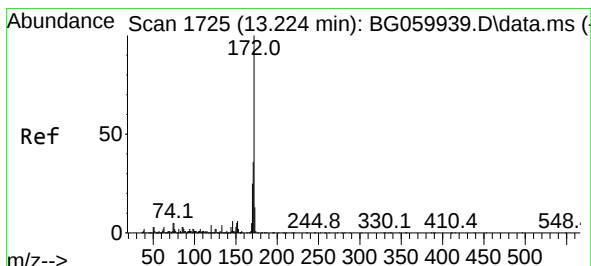
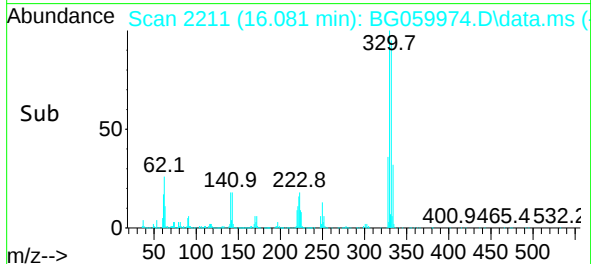
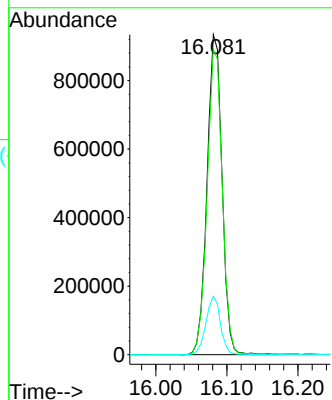
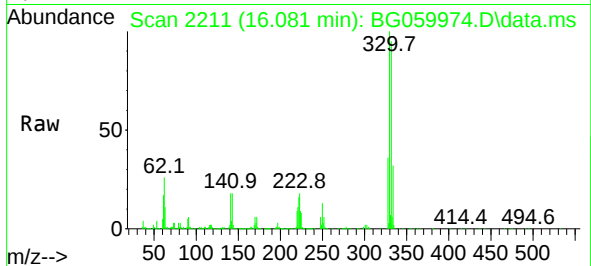




#42  
2,4,6-Tribromophenol  
Concen: 105.096 ng  
RT: 16.081 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

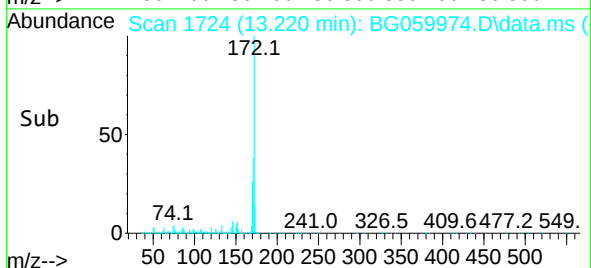
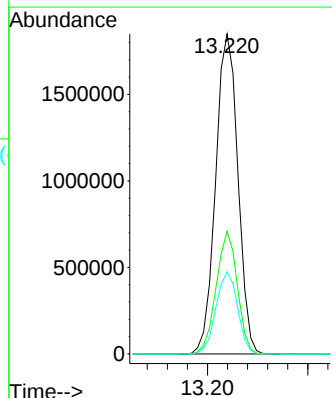
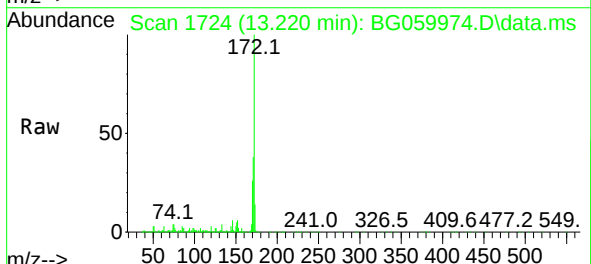
Instrument :  
BNA\_G  
ClientSampleId :  
ROUTE-4-TP-6

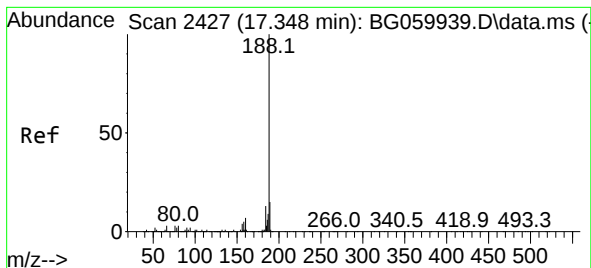
Tgt Ion:330 Resp: 1371769  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.5 114.7  
141 17.8 15.0 22.6



#45  
2-Fluorobiphenyl  
Concen: 76.419 ng  
RT: 13.220 min Scan# 1724  
Delta R.T. -0.004 min  
Lab File: BG059974.D  
Acq: 6 Dec 2023 17:59

Tgt Ion:172 Resp: 2842426  
Ion Ratio Lower Upper  
172 100  
171 38.4 28.6 43.0  
170 25.7 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.344 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG059974.D

Acq: 6 Dec 2023 17:59

Instrument :

BNA\_G

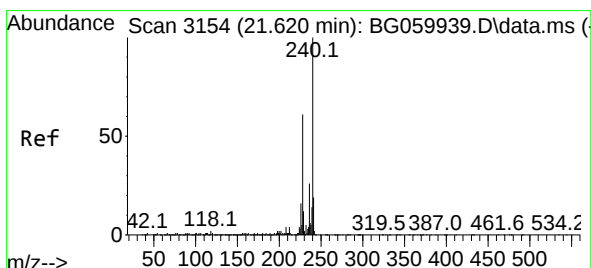
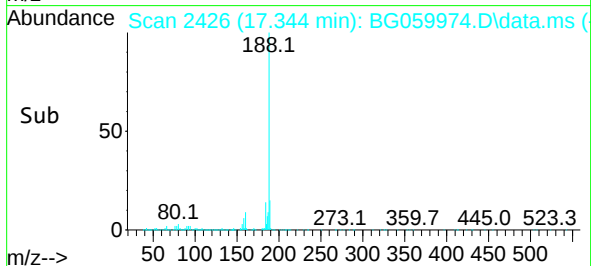
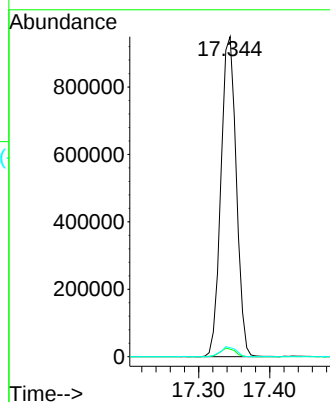
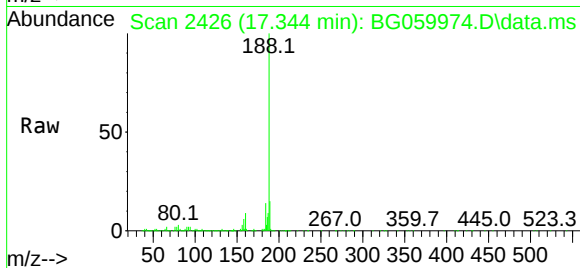
ClientSampleId :

ROUTE-4-TP-6

Tgt Ion:188 Resp: 1419602

Ion Ratio Lower Upper

|     |     |     |     |
|-----|-----|-----|-----|
| 188 | 100 |     |     |
| 94  | 2.4 | 1.8 | 2.6 |
| 80  | 2.8 | 2.2 | 3.4 |



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 3153

Delta R.T. -0.004 min

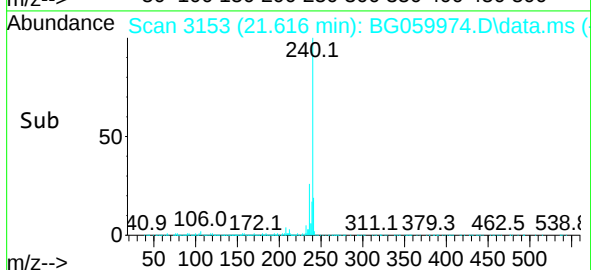
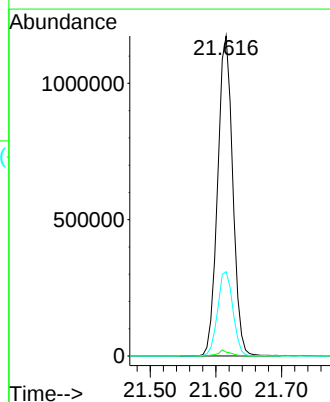
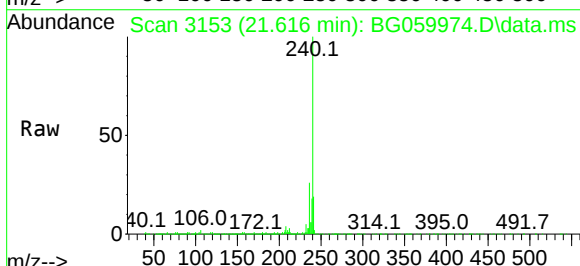
Lab File: BG059974.D

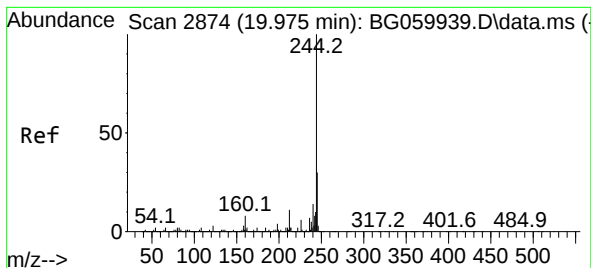
Acq: 6 Dec 2023 17:59

Tgt Ion:240 Resp: 1865411

Ion Ratio Lower Upper

|     |      |      |      |
|-----|------|------|------|
| 240 | 100  |      |      |
| 120 | 1.2  | 1.0  | 1.4  |
| 236 | 26.3 | 20.8 | 31.2 |





#79

Terphenyl-d14

Concen: 57.406 ng

RT: 19.970 min Scan# 2

Delta R.T. -0.005 min

Lab File: BG059974.D

Acq: 6 Dec 2023 17:59

Instrument :

BNA\_G

ClientSampleId :

ROUTE-4-TP-6

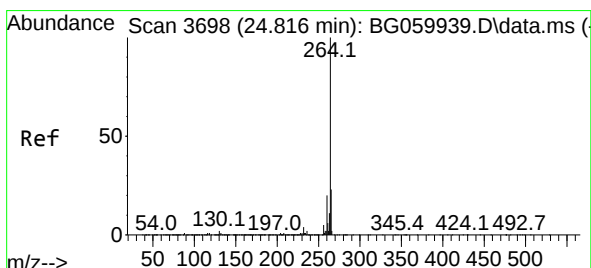
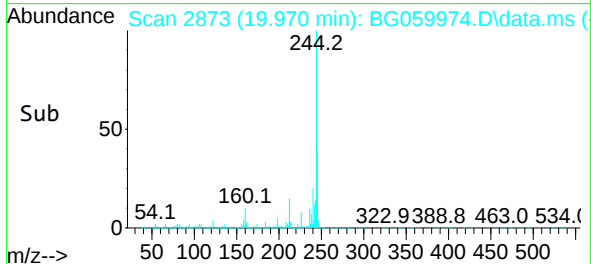
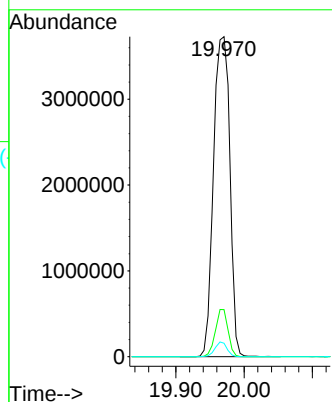
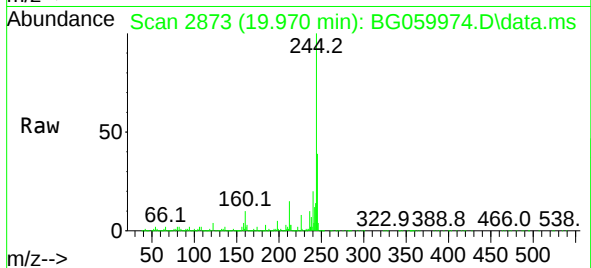
Tgt Ion:244 Resp: 6211836

Ion Ratio Lower Upper

244 100

212 14.7 8.6 13.0#

122 4.2 2.1 3.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.812 min Scan# 3697

Delta R.T. -0.004 min

Lab File: BG059974.D

Acq: 6 Dec 2023 17:59

Tgt Ion:264 Resp: 2202373

Ion Ratio Lower Upper

264 100

260 23.7 15.8 23.6#

265 21.6 18.1 27.1

