

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG120315\  
 Data File : BG019879.D  
 Acq On : 3 Dec 2015 20:41  
 Operator : UM/NP  
 Sample : G4598-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112715-A263-F-D-B

Quant Time: Dec 04 02:52:43 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 25036    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.94 | 136  | 109568   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.75 | 164  | 80014    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 201057   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 248544   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 25.06 | 264  | 234109   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 60613    | 43.76 | ng    | 0.00     |
| 7) Phenol-d6                | 7.26  | 99   | 57874    | 27.67 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 206530   | 96.20 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 110681   | 90.41 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 536224   | 91.50 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.10 | 244  | 944891   | 92.73 | ng    | -0.01    |

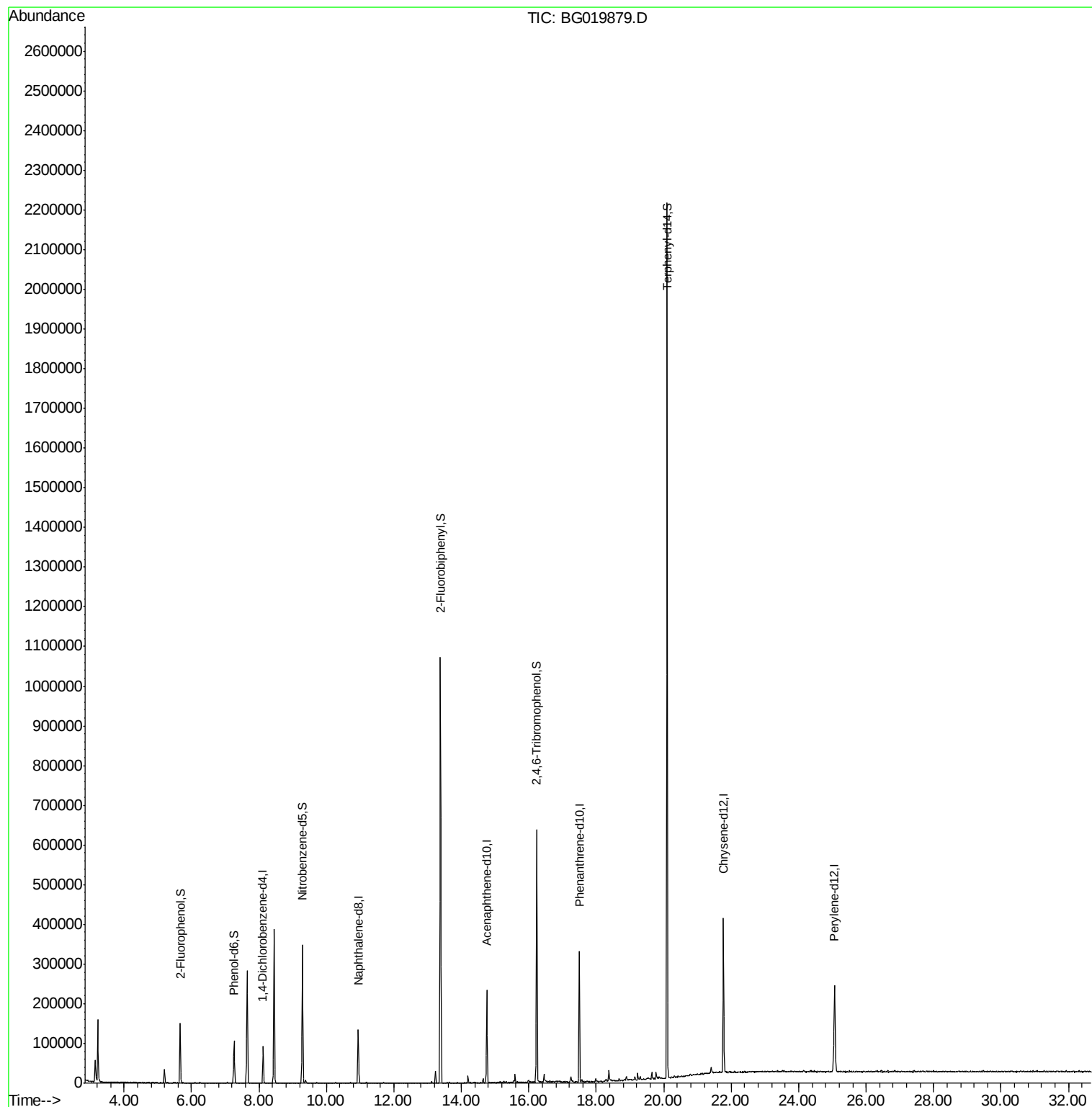
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

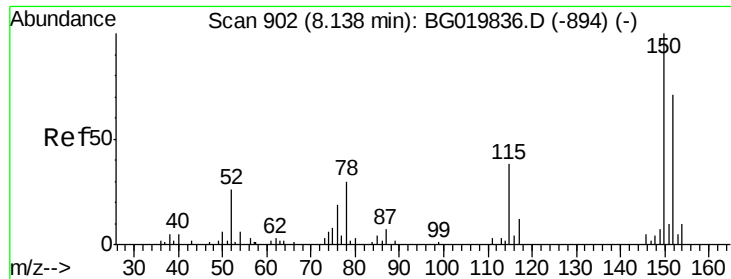
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration



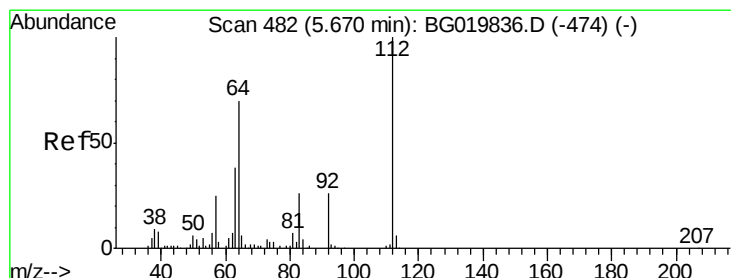
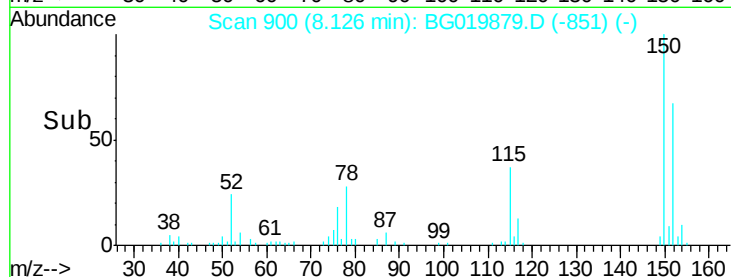
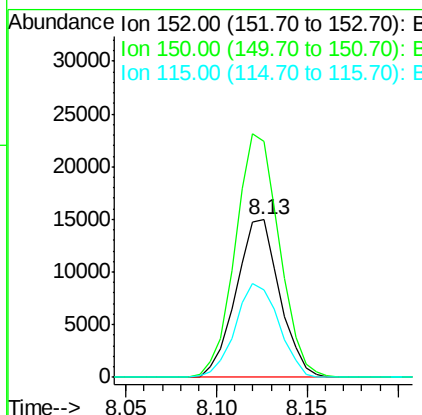
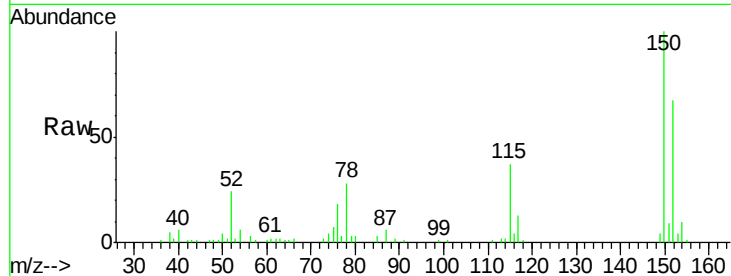


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.13 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BG019879.D  
Acq: 3 Dec 2015 20:41

Instrument :  
BNA\_G  
ClientSampleId :  
112715-A263-F-D-B

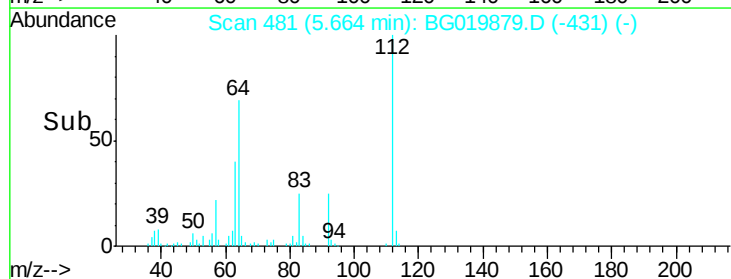
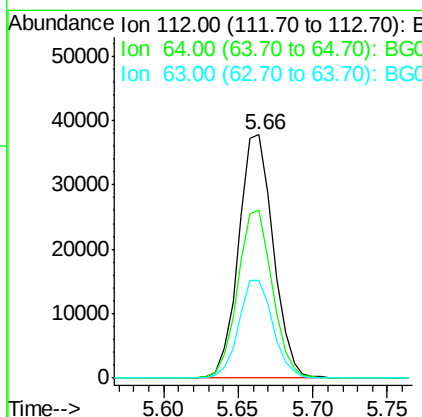
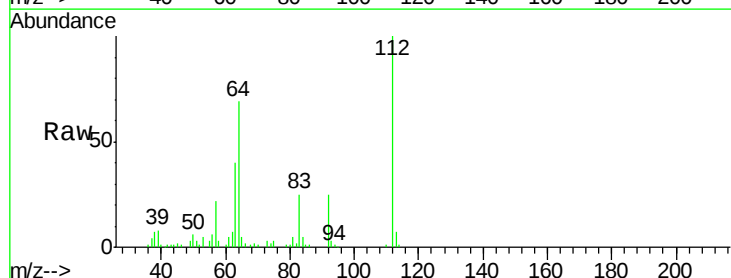
Tgt Ion:152 Resp: 25036  
Ion Ratio Lower Upper  
152 100  
150 150.0 115.0 172.4  
115 55.2 43.9 65.9



#5

2-Fluorophenol  
Concen: 43.76 ng  
RT: 5.66 min Scan# 481  
Delta R.T. -0.01 min  
Lab File: BG019879.D  
Acq: 3 Dec 2015 20:41

Tgt Ion:112 Resp: 60613  
Ion Ratio Lower Upper  
112 100  
64 68.8 43.7 65.5#  
63 39.9 24.0 36.0#





#7

Phenol-d6

Concen: 27.67 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019879.D

Acq: 3 Dec 2015 20:41

Instrument :

BNA\_G

ClientSampleId :

112715-A263-F-D-B

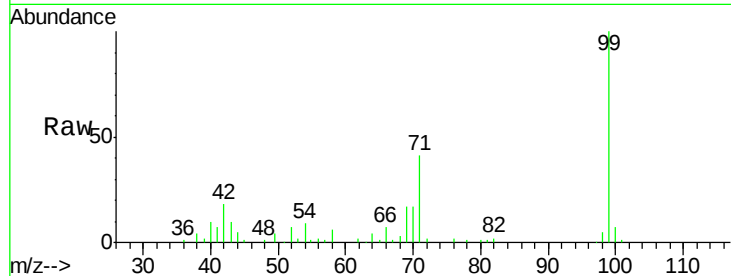
Tgt Ion: 99 Resp: 57874

Ion Ratio Lower Upper

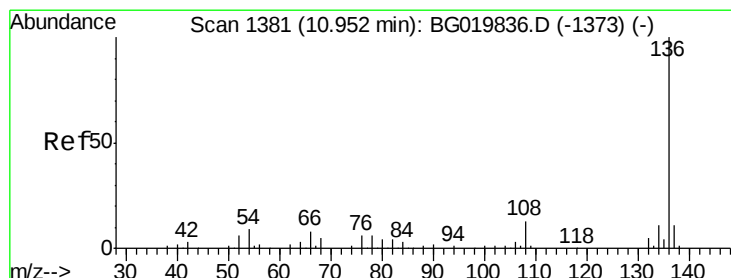
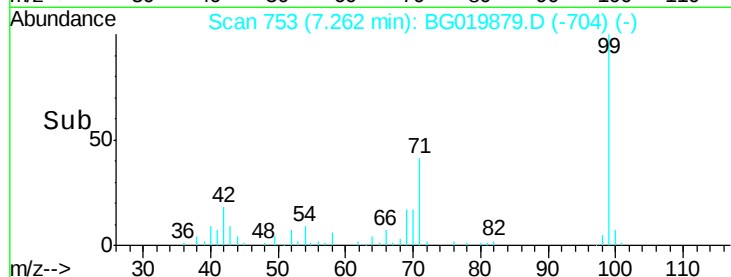
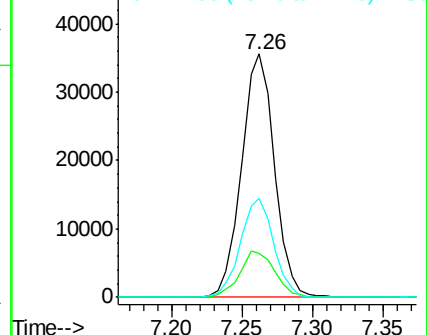
99 100

42 18.2 11.5 17.3#

71 40.5 22.6 34.0#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BG019879.D

Acq: 3 Dec 2015 20:41

Tgt Ion: 136 Resp: 109568

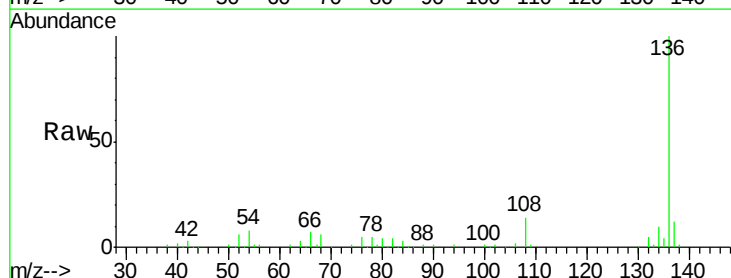
Ion Ratio Lower Upper

136 100

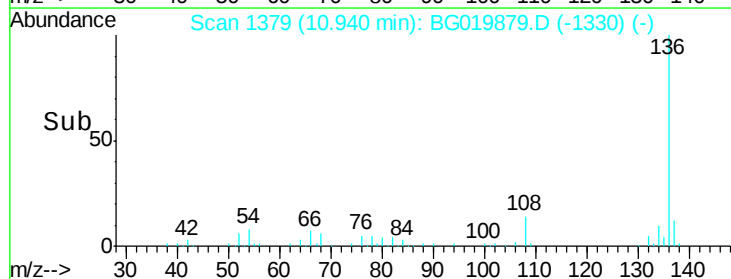
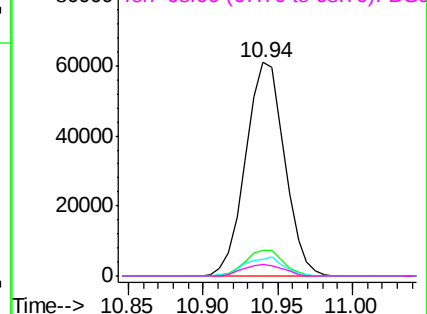
137 11.9 8.6 12.8

54 8.0 5.4 8.2

68 5.5 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

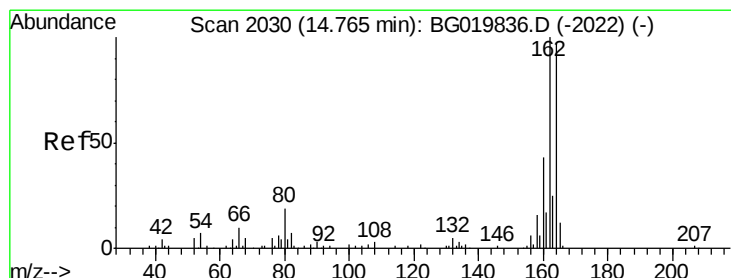
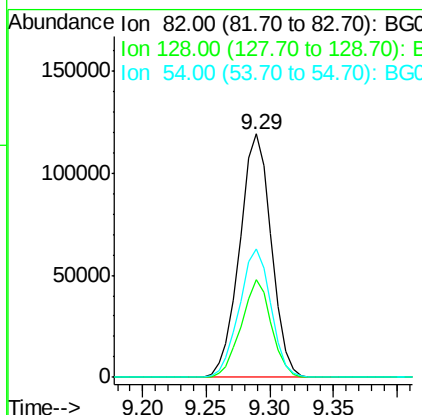
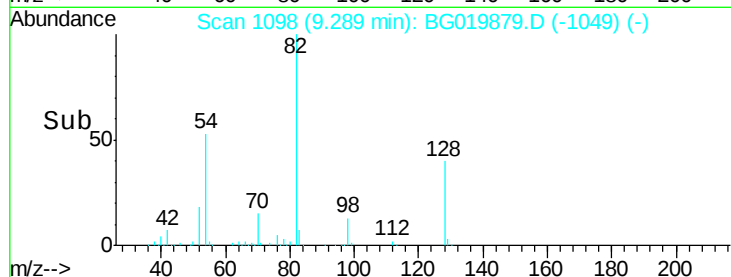
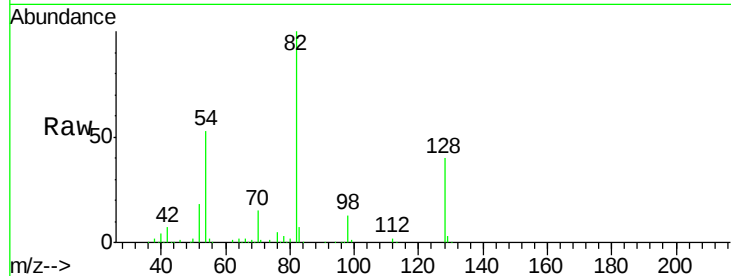




#23  
 Nitrobenzene-d5  
 Concen: 96.20 ng  
 RT: 9.29 min Scan# 1098  
 Delta R.T. -0.01 min  
 Lab File: BG019879.D  
 Acq: 3 Dec 2015 20:41

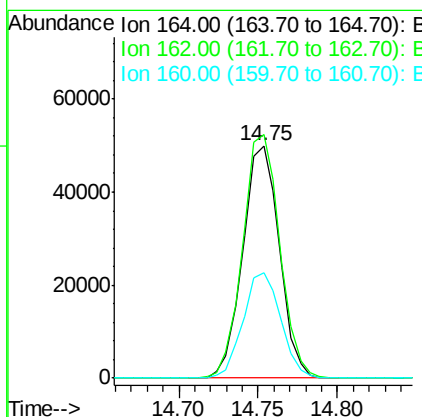
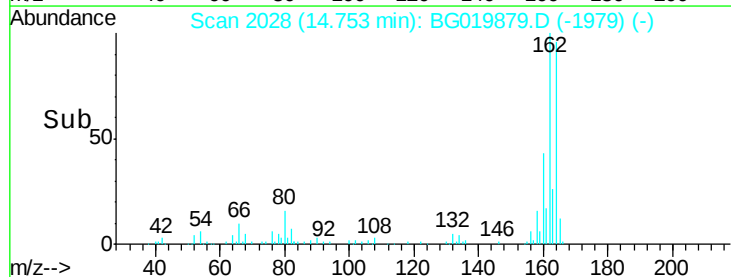
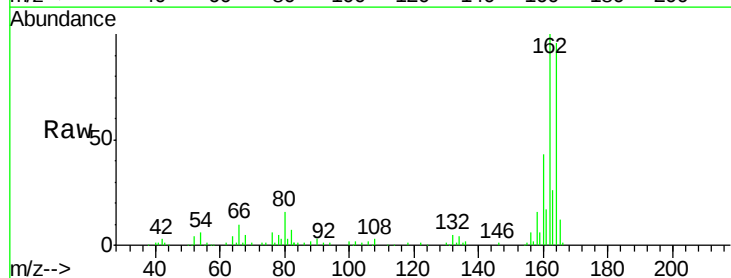
Instrument :  
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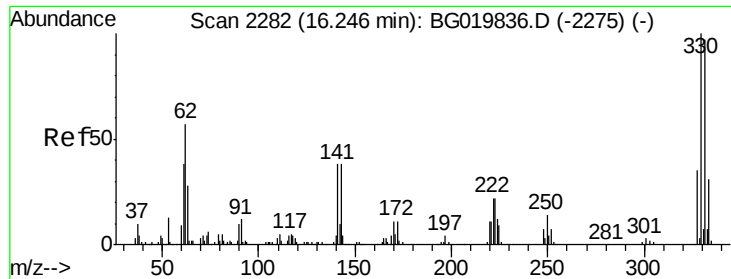
Tgt Ion: 82 Resp: 206530  
 Ion Ratio Lower Upper  
 82 100  
 128 40.2 36.7 55.1  
 54 52.8 33.8 50.8#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 2028  
 Delta R.T. -0.01 min  
 Lab File: BG019879.D  
 Acq: 3 Dec 2015 20:41

Tgt Ion: 164 Resp: 80014  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 78.8 118.2  
 160 45.1 36.4 54.6

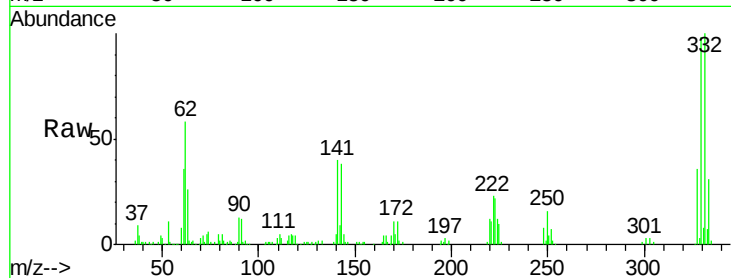




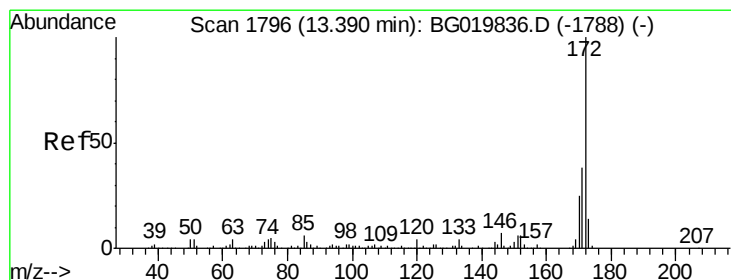
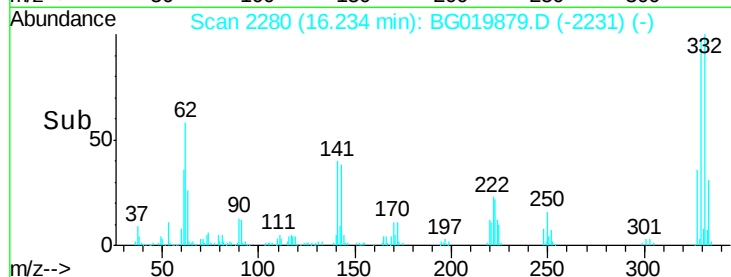
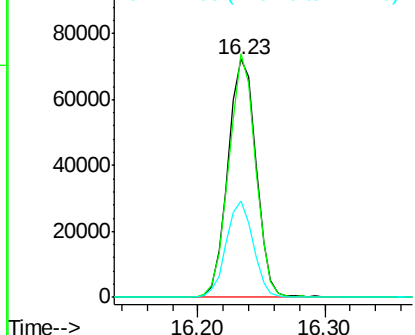
#41  
 2,4,6-Tribromophenol  
 Concen: 90.41 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.01 min  
 Lab File: BG019879.D  
 Acq: 3 Dec 2015 20:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 112715-A263-F-D-B

Tgt Ion:330 Resp: 110681  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 78.1 117.1  
 141 38.6 28.2 42.2

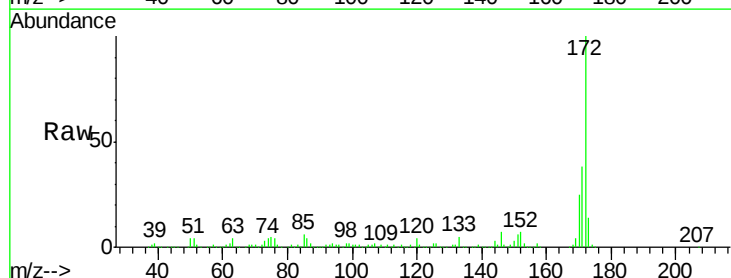


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

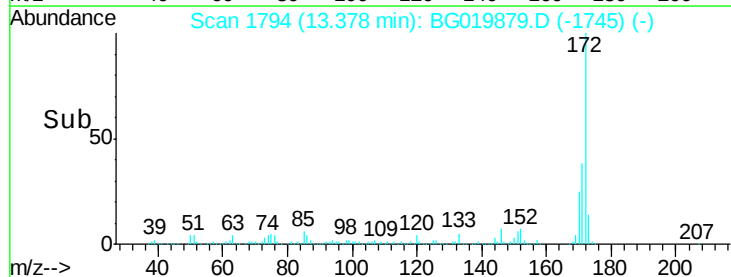
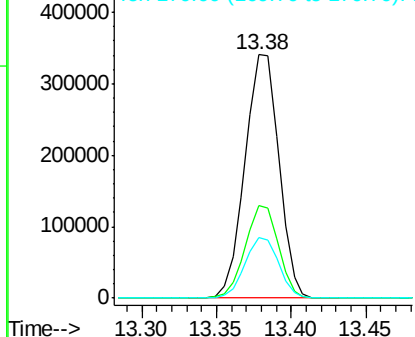


#44  
 2-Fluorobiphenyl  
 Concen: 91.50 ng  
 RT: 13.38 min Scan# 1794  
 Delta R.T. -0.01 min  
 Lab File: BG019879.D  
 Acq: 3 Dec 2015 20:41

Tgt Ion:172 Resp: 536224  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 29.0 43.6  
 170 24.8 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

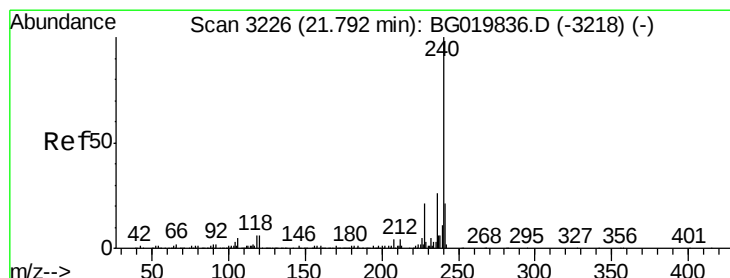
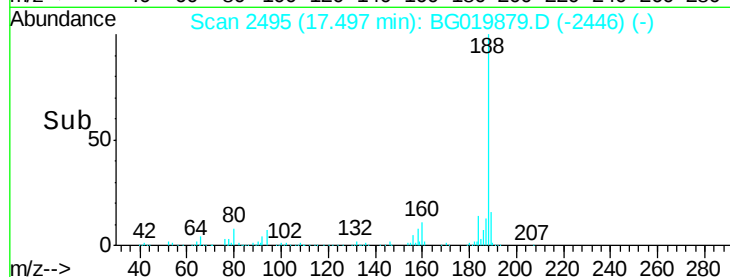
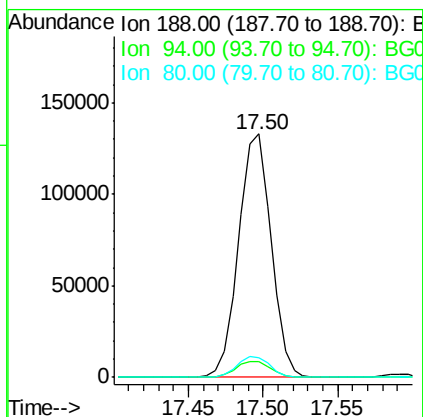
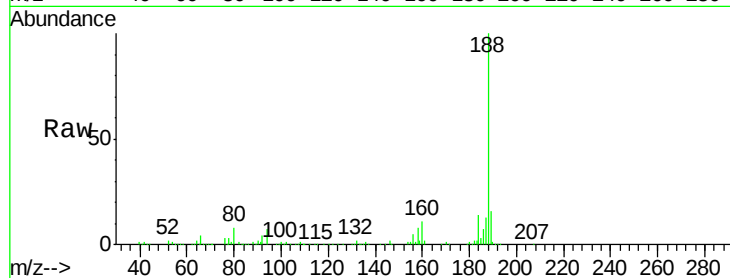




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.50 min Scan# 2495  
Delta R.T. -0.01 min  
Lab File: BG019879.D  
Acq: 3 Dec 2015 20:41

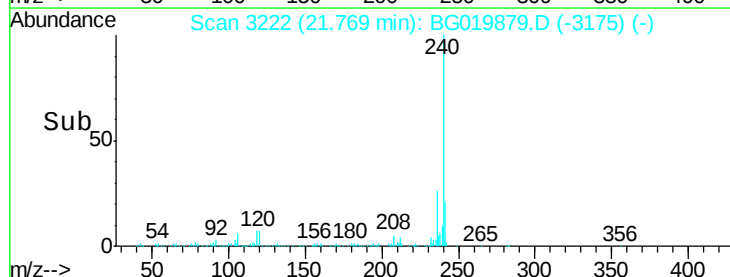
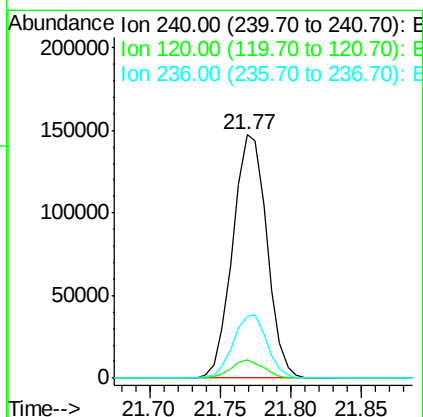
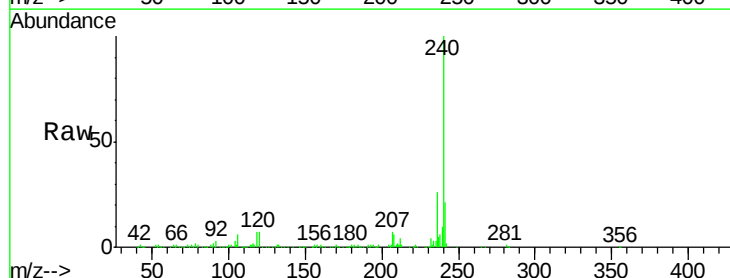
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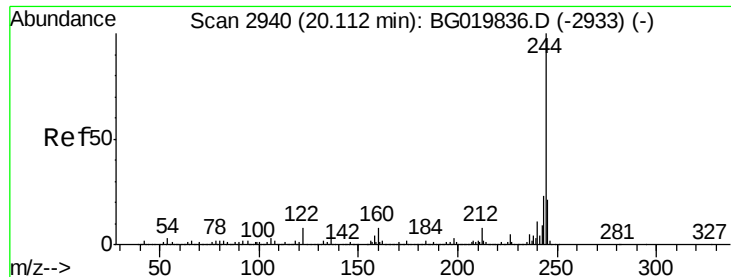
Tgt Ion:188 Resp: 201057  
Ion Ratio Lower Upper  
188 100  
94 6.6 7.7 11.5#  
80 8.2 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.77 min Scan# 3222  
Delta R.T. -0.02 min  
Lab File: BG019879.D  
Acq: 3 Dec 2015 20:41

Tgt Ion:240 Resp: 248544  
Ion Ratio Lower Upper  
240 100  
120 7.3 7.4 11.0#  
236 25.6 20.7 31.1





#78

Terphenyl-d14

Concen: 92.73 ng

RT: 20.10 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BG019879.D

Acq: 3 Dec 2015 20:41

Instrument :

BNA\_G

ClientSampleId :

112715-A263-F-D-B

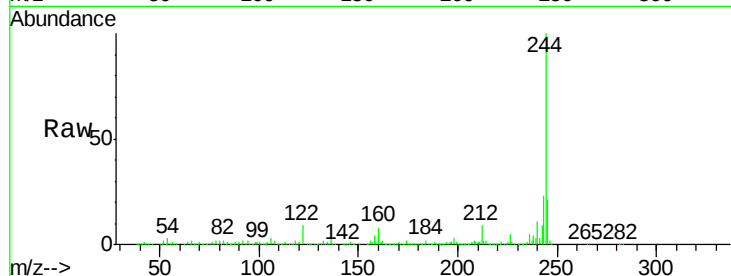
Tgt Ion:244 Resp: 944891

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

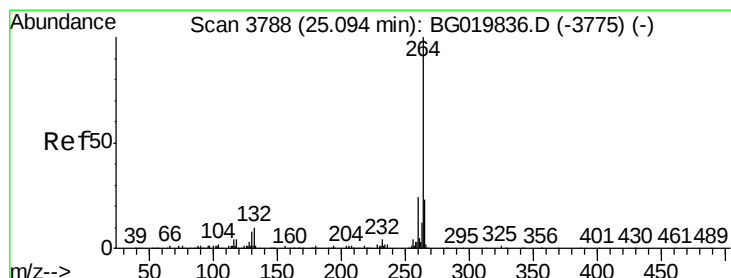
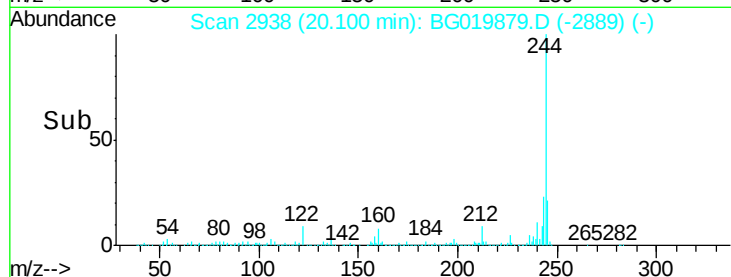
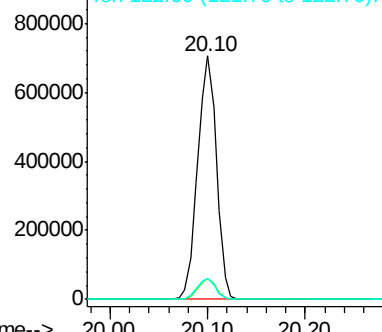
122 8.6 10.2 15.2#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.06 min Scan# 3783

Delta R.T. -0.03 min

Lab File: BG019879.D

Acq: 3 Dec 2015 20:41

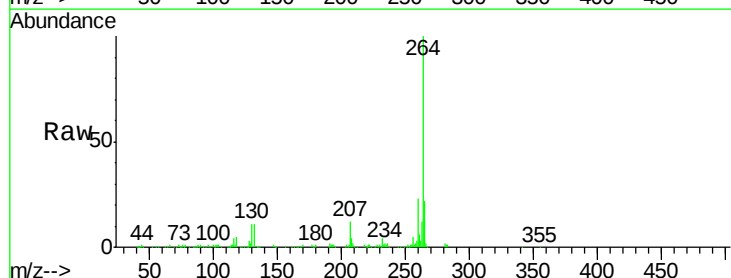
Tgt Ion:264 Resp: 234109

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

