

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032119\  
 Data File : BM019294.D  
 Acq On : 21 Mar 2019 17:19  
 Operator : JU/SJ  
 Sample : K2002-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S-2(5-30)-COMP

Quant Time: Mar 22 04:43:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 161246   | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.42 | 136  | 647617   | 20.00  | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.29 | 164  | 402286   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 17.04 | 188  | 953010   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12            | 21.24 | 240  | 730675   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 23.47 | 264  | 714980   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 1057767  | 106.24 | ng    | -0.02    |
| 7) Phenol-d6                | 6.82  | 99   | 1500674  | 103.04 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.80  | 82   | 1203821  | 87.87  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 15.79 | 330  | 866942   | 145.96 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 12.90 | 172  | 2932882  | 94.83  | ng    | -0.04    |
| 79) Terphenyl-d14           | 19.69 | 244  | 4512686  | 122.61 | ng    | -0.02    |

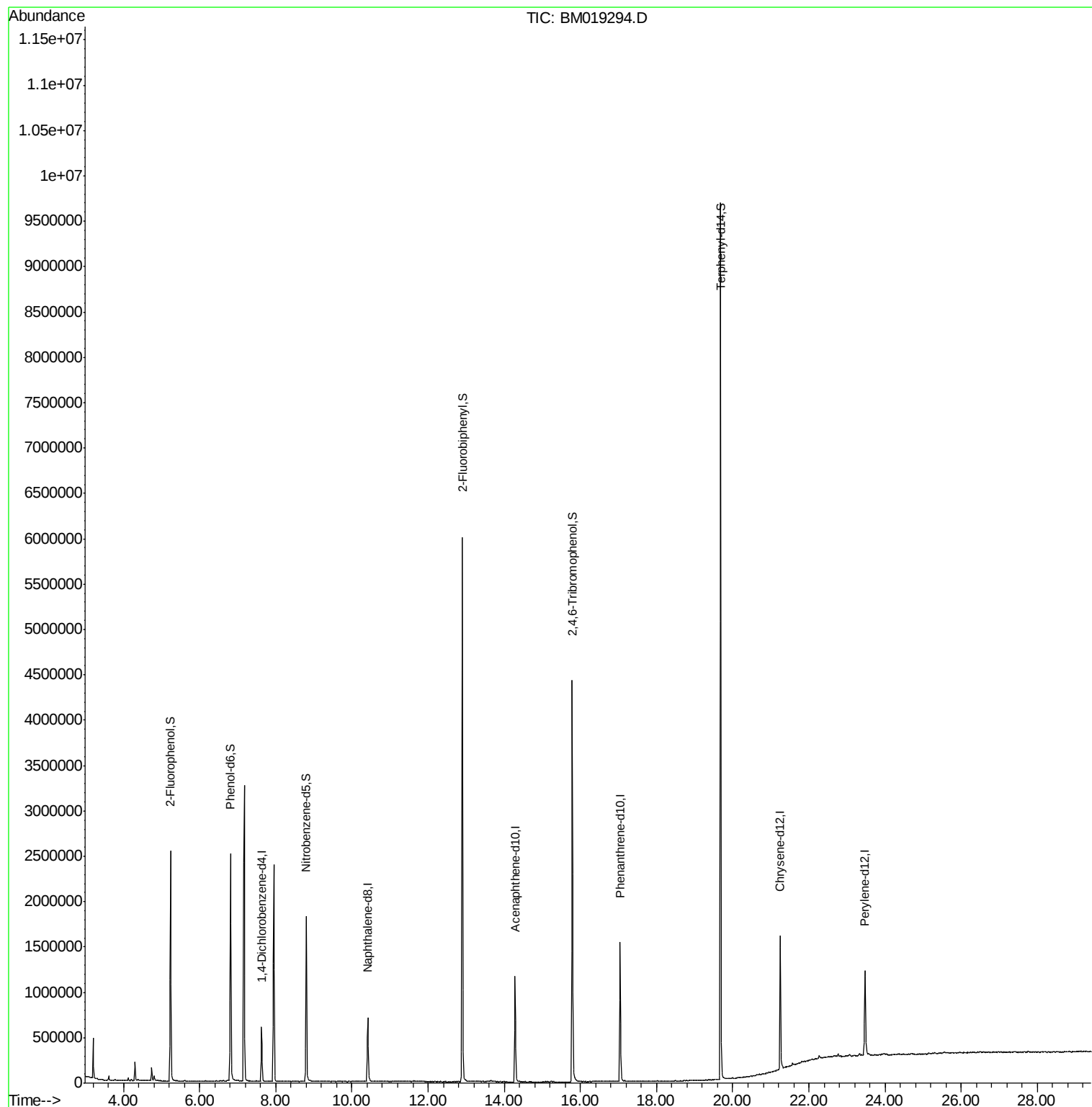
Target Compounds Qvalue

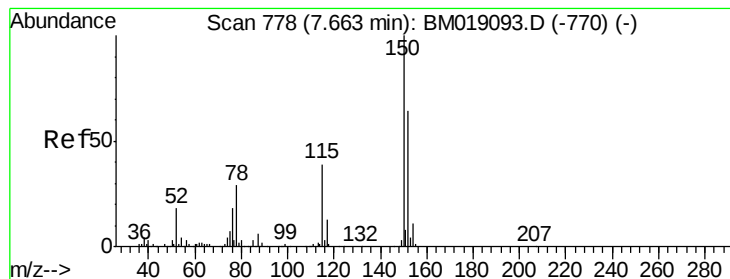
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 6 Sample Multiplier: 1

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S-2(5-30)-COMP

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QLast Update : Mon Mar 11 17:30:46 2019  
Response via : Initial Calibration



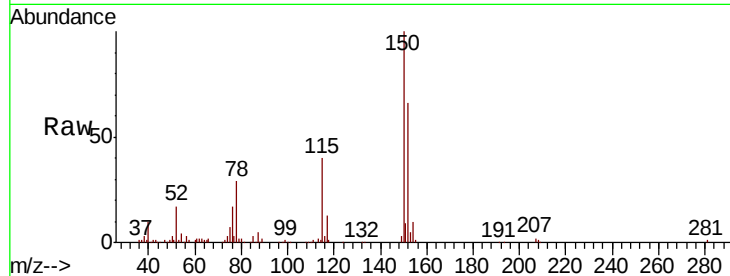


#1

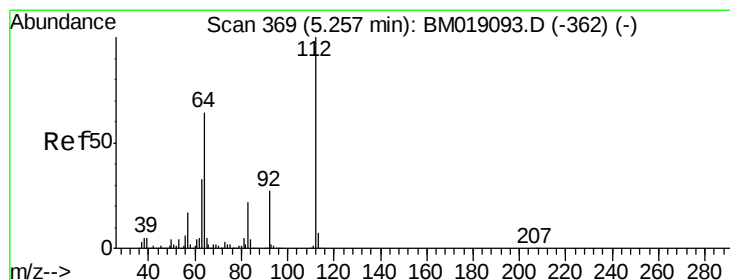
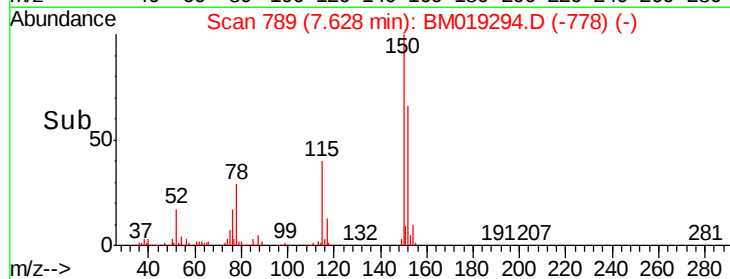
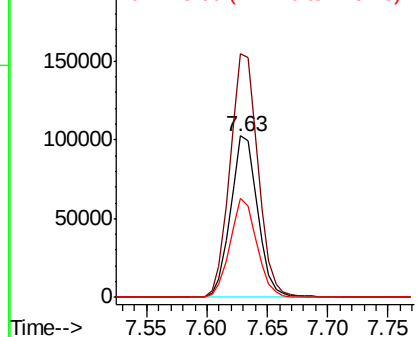
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.63 min Scan# 789  
Delta R.T. -0.04 min  
Lab File: BM019294.D  
Acq: 21 Mar 2019 17:19

Instrument :  
BNA\_M  
ClientSampleId :  
S-2(5-30)-COMP

Tot Ion:152 Resp: 161246  
Ion Ratio Lower Upper  
152 100  
150 151.0 125.3 187.9  
115 61.0 49.4 74.0



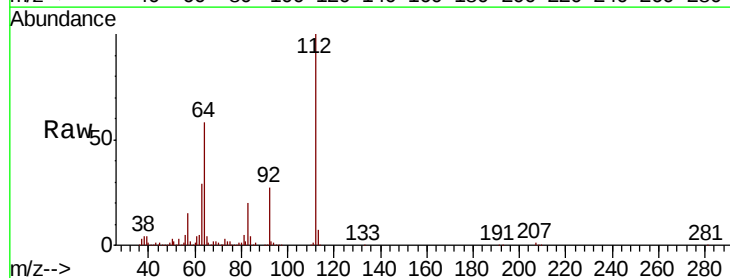
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



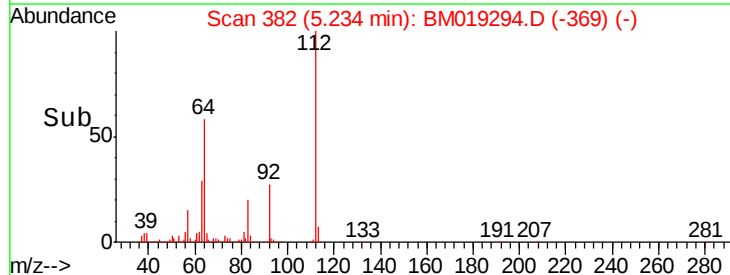
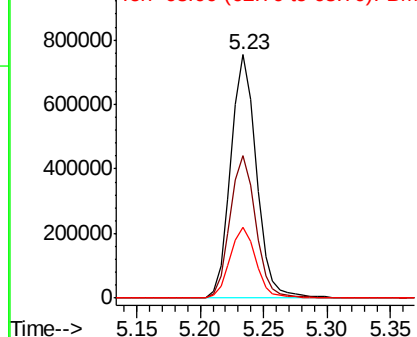
#5

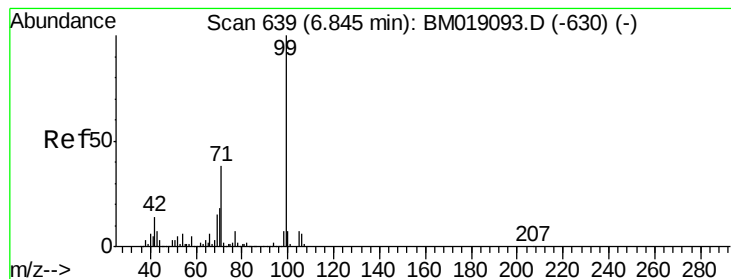
2-Fluorophenol  
Concen: 106.237 ng  
RT: 5.23 min Scan# 382  
Delta R.T. -0.02 min  
Lab File: BM019294.D  
Acq: 21 Mar 2019 17:19

Tgt Ion:112 Resp: 1057767  
Ion Ratio Lower Upper  
112 100  
64 58.4 51.4 77.0  
63 28.9 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 103.042 ng

RT: 6.82 min Scan# 651

Delta R.T. -0.03 min

Lab File: BM019294.D

Acq: 21 Mar 2019 17:19

Instrument :

BNA\_M

ClientSampleId :

S-2(5-30)-COMP

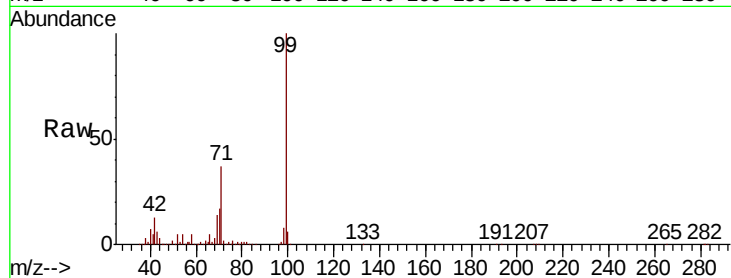
Tot Ion: 99 Resp: 1500674

Ion Ratio Lower Upper

99 100

42 13.1 10.9 16.3

71 36.5 30.3 45.5

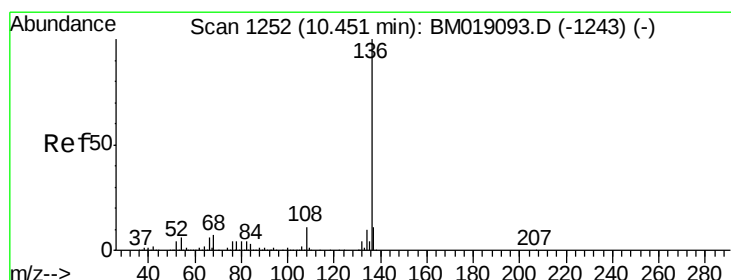
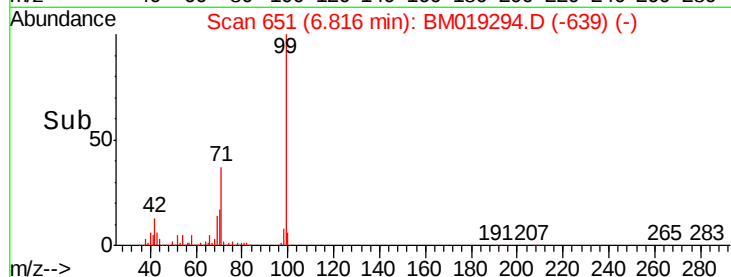
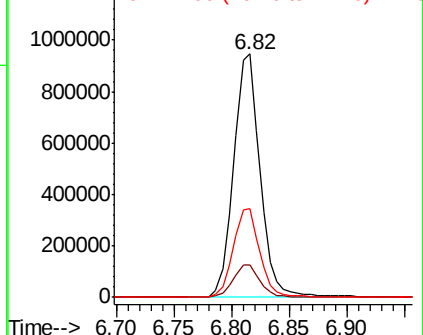


Abundance

Ion 99.00 (98.70 to 99.70): BM019093.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM019093.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM019093.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1263

Delta R.T. -0.04 min

Lab File: BM019294.D

Acq: 21 Mar 2019 17:19

Tgt Ion: 136 Resp: 647617

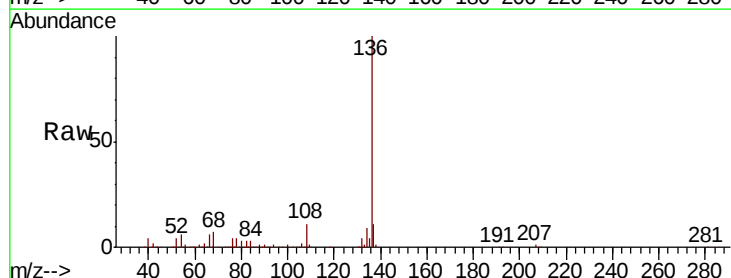
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 6.3 5.2 7.8

68 7.3 5.8 8.8



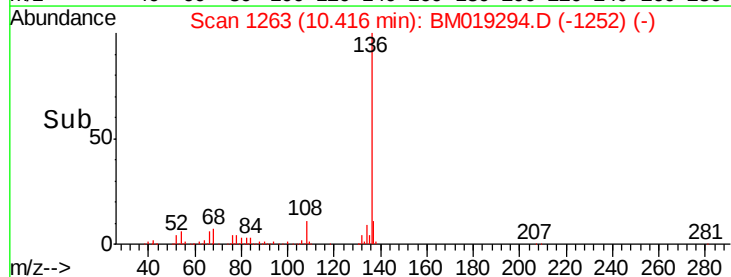
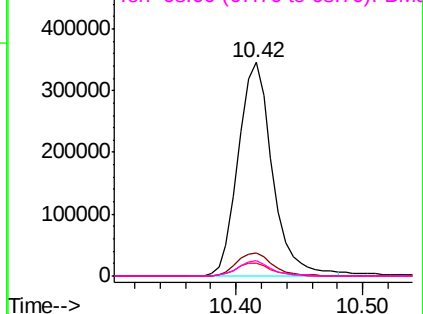
Abundance

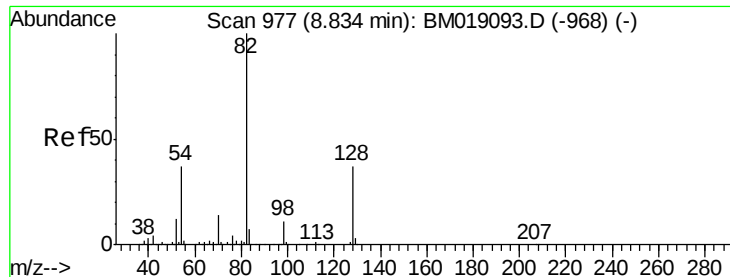
Ion 136.00 (135.70 to 136.70): BM019093.D (-1243) (-)

Ion 137.00 (136.70 to 137.70): BM019093.D (-1243) (-)

Ion 54.00 (53.70 to 54.70): BM019093.D (-1243) (-)

Ion 68.00 (67.70 to 68.70): BM019093.D (-1243) (-)

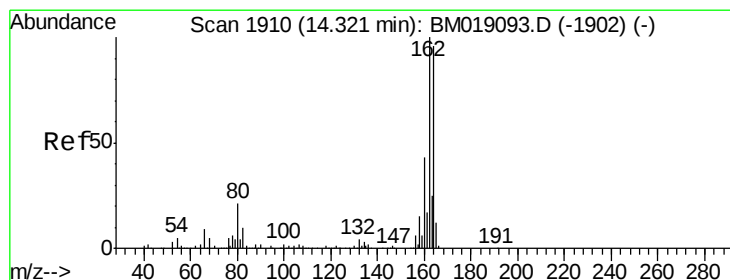
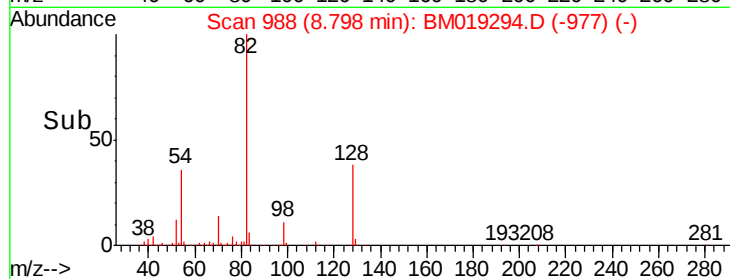
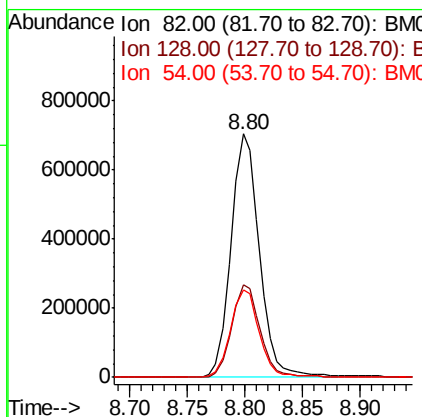
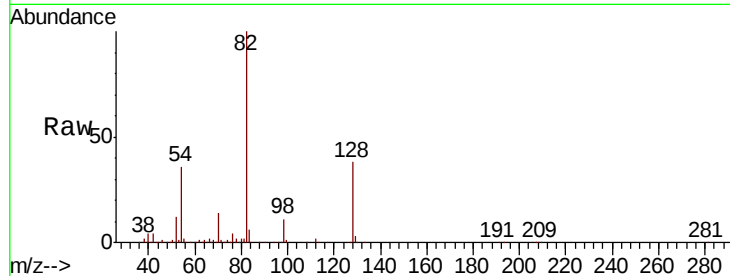




#23  
Nitrobenzene-d5  
Concen: 87.868 ng  
RT: 8.80 min Scan# 988  
Delta R.T. -0.04 min  
Lab File: BM019294.D  
Acq: 21 Mar 2019 17:19

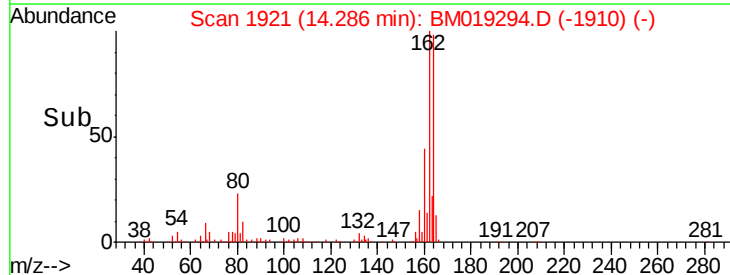
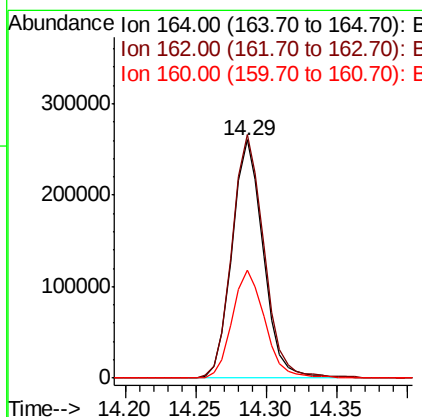
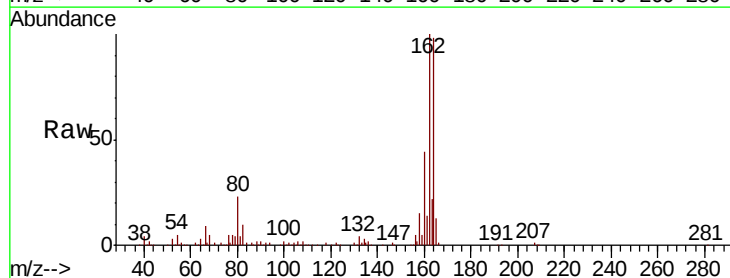
Instrument :  
BNA\_M  
ClientSampleId :  
S-2(5-30)-COMP

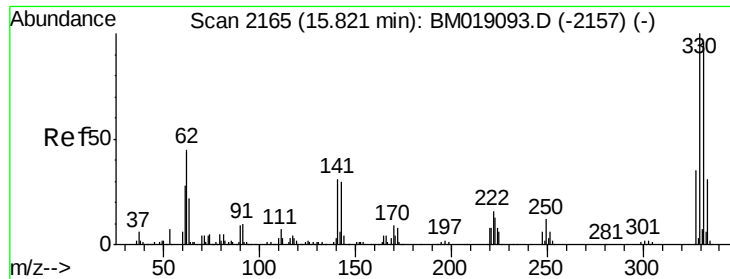
| Tot Ion | 82    | Resp  | 1203821 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 82      | 100   |       |         |
| 128     | 37.8  | 29.4  | 44.2    |
| 54      | 36.1  | 29.9  | 44.9    |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.29 min Scan# 1921  
Delta R.T. -0.04 min  
Lab File: BM019294.D  
Acq: 21 Mar 2019 17:19

| Tgt Ion | 164   | Resp  | 402286 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 162     | 102.3 | 83.5  | 125.3  |
| 160     | 45.3  | 36.3  | 54.5   |

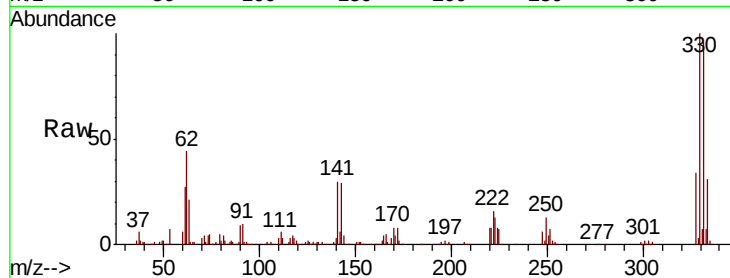




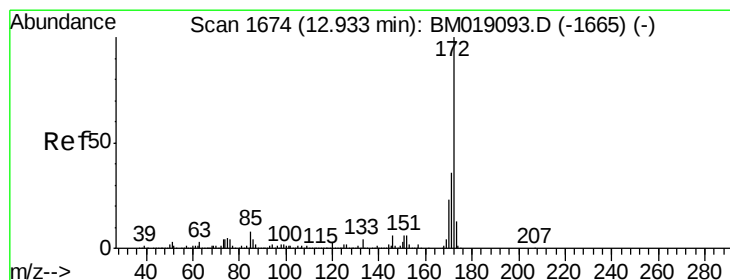
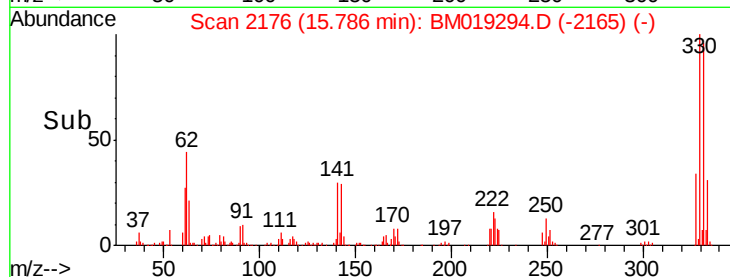
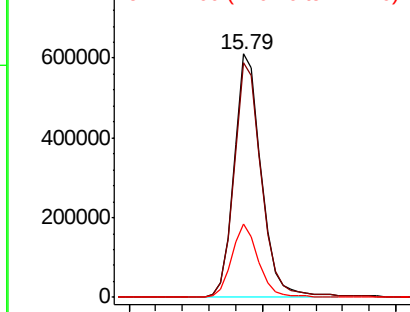
#42  
 2,4,6-Tribromophenol  
 Concen: 145.959 ng  
 RT: 15.79 min Scan# 2176  
 Delta R.T. -0.04 min  
 Lab File: BM019294.D  
 Acq: 21 Mar 2019 17:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S-2(5-30)-COMP

Tot Ion:330 Resp: 866942  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.8 115.2  
 141 29.8 27.0 40.4

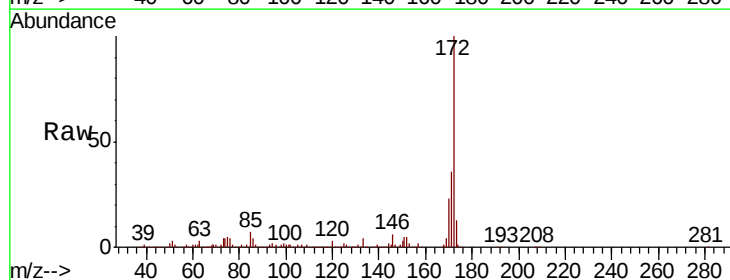


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

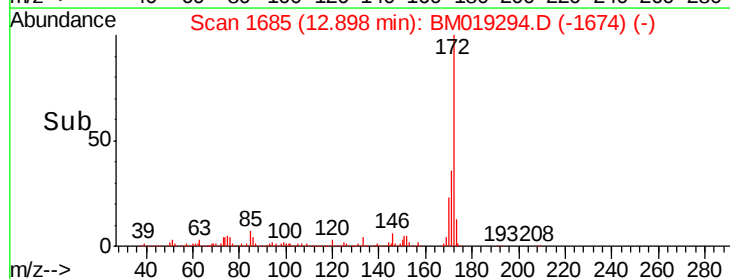
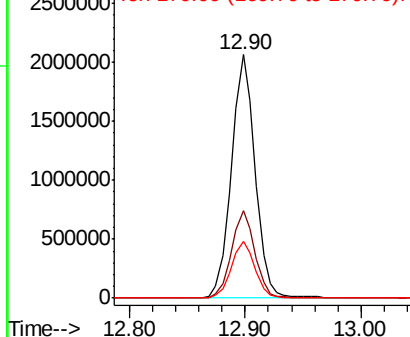


#45  
 2-Fluorobiphenyl  
 Concen: 94.832 ng  
 RT: 12.90 min Scan# 1685  
 Delta R.T. -0.04 min  
 Lab File: BM019294.D  
 Acq: 21 Mar 2019 17:19

Tgt Ion:172 Resp: 2932882  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.6 42.8  
 170 23.3 18.6 28.0



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2390

Delta R.T. -0.03 min

Lab File: BM019294.D

Acq: 21 Mar 2019 17:19

Instrument :

BNA\_M

ClientSampleId :

S-2(5-30)-COMP

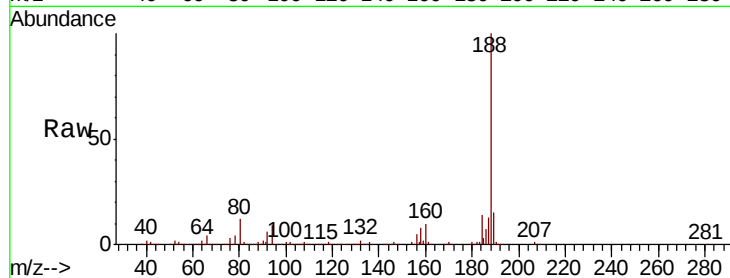
Tot Ion:188 Resp: 953010

Ion Ratio Lower Upper

188 100

94 9.3 8.1 12.1

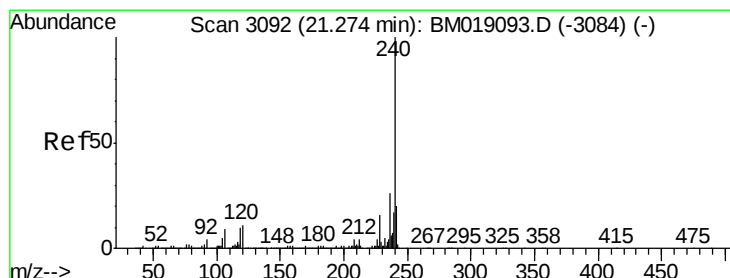
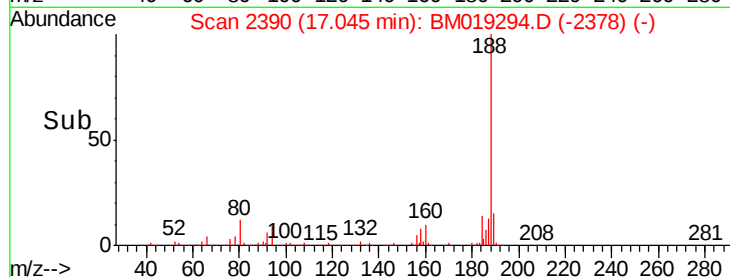
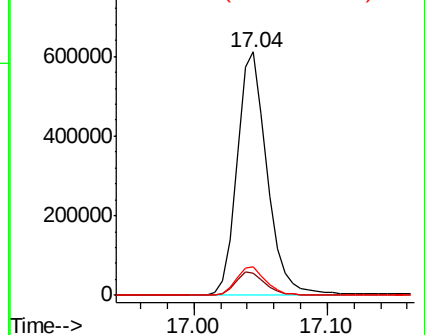
80 11.6 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.24 min Scan# 3104

Delta R.T. -0.03 min

Lab File: BM019294.D

Acq: 21 Mar 2019 17:19

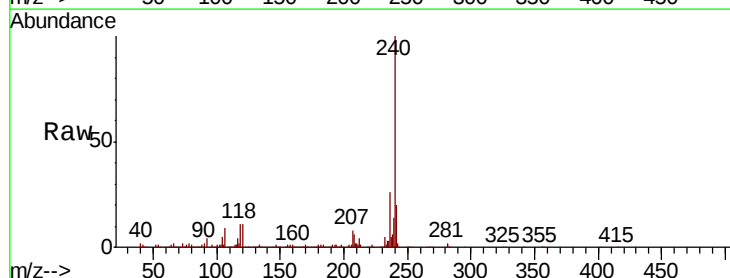
Tgt Ion:240 Resp: 730675

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

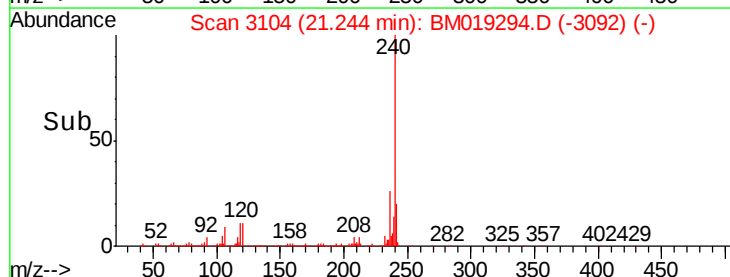
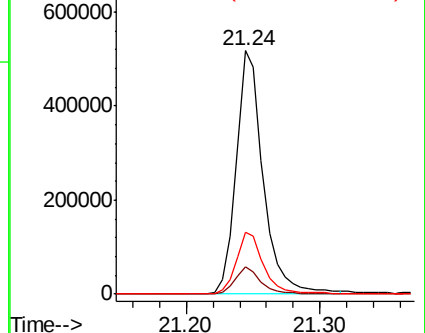
236 25.6 21.0 31.4

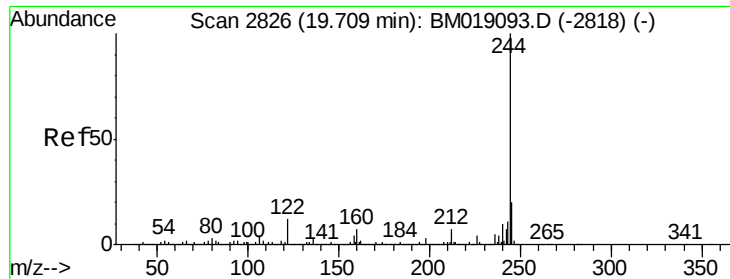


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 122.608 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BM019294.D

Acq: 21 Mar 2019 17:19

Instrument :

BNA\_M

ClientSampleId :

S-2(5-30)-COMP

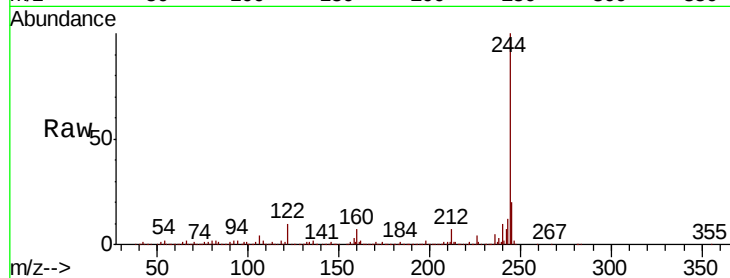
Tot Ion:244 Resp: 4512686

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

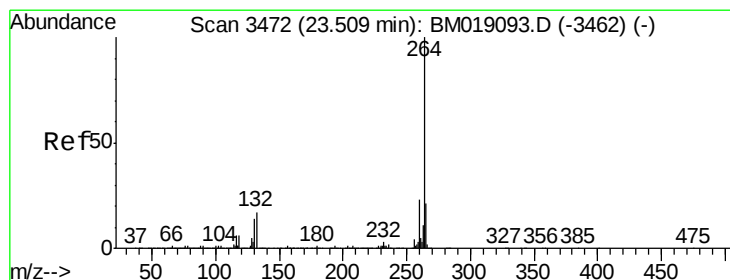
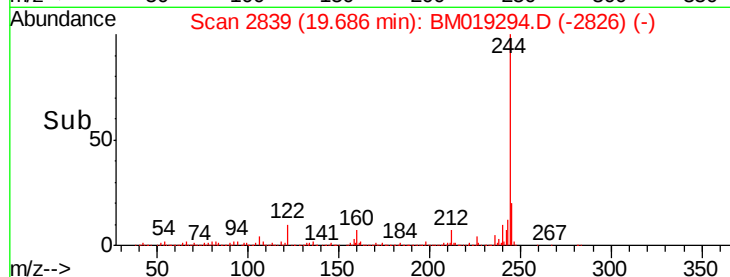
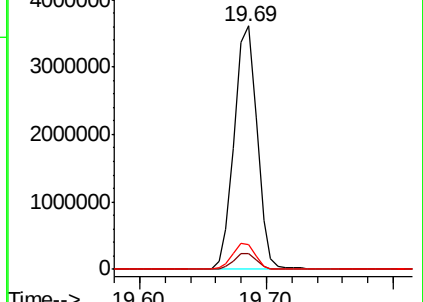
122 10.3 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3483

Delta R.T. -0.04 min

Lab File: BM019294.D

Acq: 21 Mar 2019 17:19

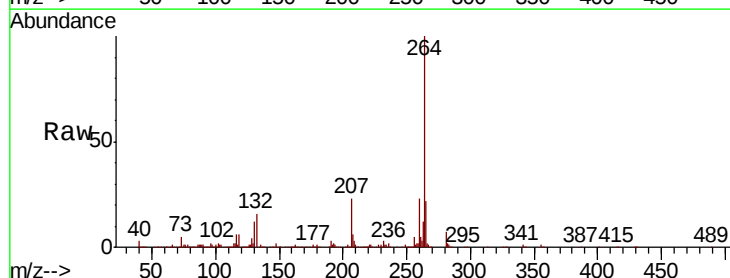
Tgt Ion:264 Resp: 714980

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.6 17.3 25.9



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

