

Data File : BM024540.D  
Acq On : 18 Jan 2020 17:47  
Operator : JU  
Sample : L1109-01  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GASG2

Quant Time: Jan 20 03:30:00 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011520MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jan 20 03:25:57 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 253264   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.22 | 136  | 1123485  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.10 | 164  | 773654   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.86 | 188  | 1644446  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.07 | 240  | 1763584  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.19 | 264  | 1807820  | 20.00 | ng/ul | 0.01     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 16183   | 3.12  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 360012  | 19.18 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.80  | 67  | 231250  | 22.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.00  | 132 | 343912  | 21.45 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.17  | 113 | 316569  | 18.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.59  | 128 | 194092  | 24.59 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.31  | 143 | 227312  | 26.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.85  | 165 | 393748  | 20.46 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.36 | 131 | 367176  | 17.16 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.53 | 166 | 1492709 | 24.62 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.79 | 160 | 1496630 | 21.45 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.32 | 143 | 236883  | 23.41 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.11 | 176 | 1190210 | 22.31 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 189219  | 20.16 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.96 | 188 | 1751700 | 22.91 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.26 | 212 | 1918346 | 20.35 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.06 | 264 | 1894474 | 20.20 | ng/ul | 0.01 |

Target Compounds

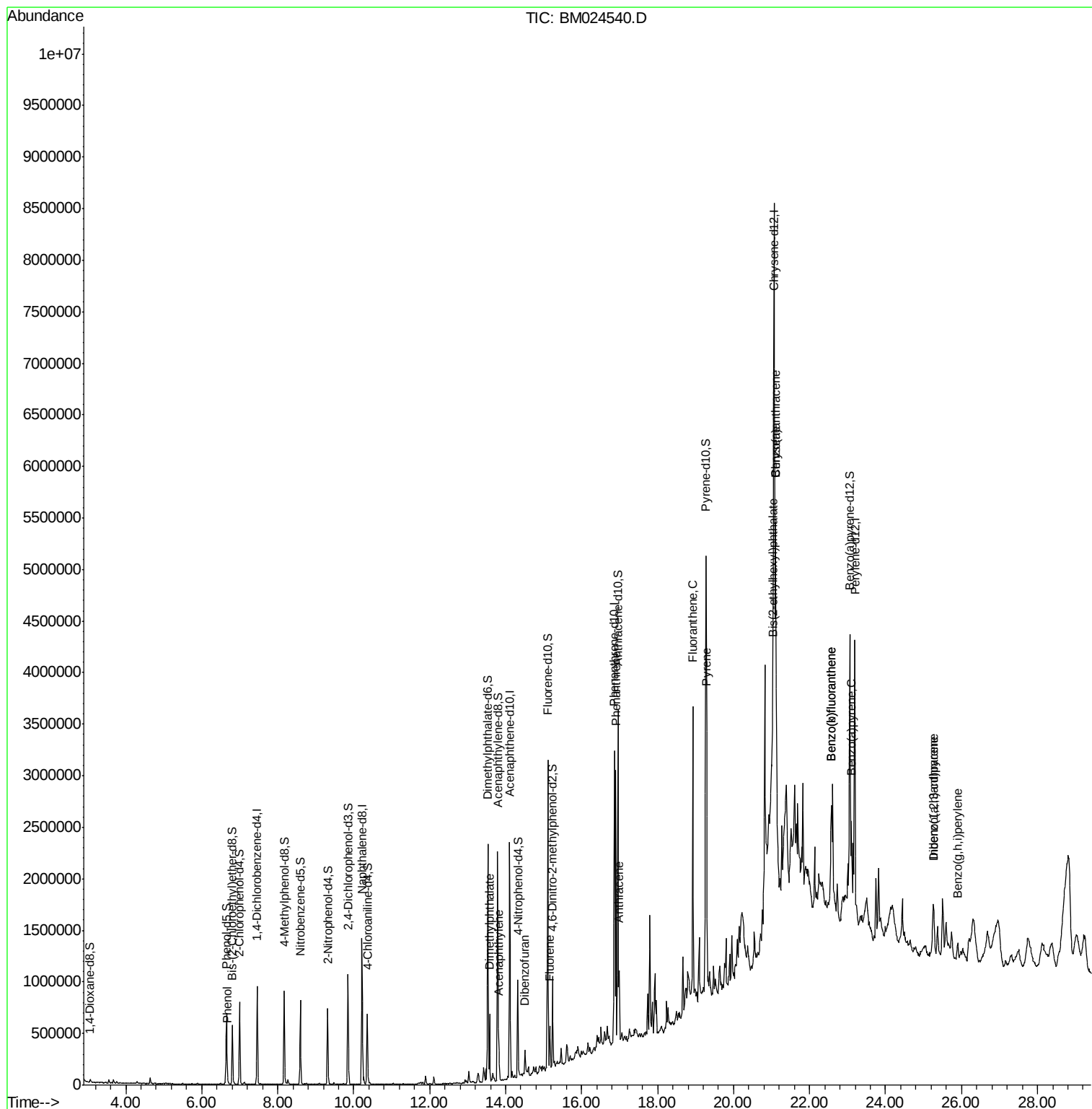
|                                |       |     |         |        | Qvalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                      | 6.68  | 94  | 24667   | 1.293  | ng/ul  | 96  |
| 45) Dimethylphthalate          | 13.57 | 163 | 382927  | 6.214  | ng/ul  | 100 |
| 48) Acenaphthylene             | 13.82 | 152 | 226284  | 3.175  | ng/ul  | 99  |
| 54) Dibenzofuran               | 14.51 | 168 | 138247  | 1.956  | ng/ul  | 97  |
| 59) Fluorene                   | 15.16 | 166 | 160515  | 2.687  | ng/ul  | 96  |
| 70) Phenanthrene               | 16.90 | 178 | 1534558 | 17.304 | ng/ul  | 100 |
| 72) Anthracene                 | 16.99 | 178 | 442517  | 4.893  | ng/ul  | 99  |
| 77) Fluoranthene               | 18.93 | 202 | 1633653 | 15.072 | ng/ul  | 100 |
| 80) Pyrene                     | 19.29 | 202 | 1536088 | 12.723 | ng/ul  | 100 |
| 83) Benzo(a)anthracene         | 21.10 | 228 | 824583  | 6.864  | ng/ul  | 94  |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 80224   | 1.195  | ng/ul# | 64  |
| 85) Chrysene                   | 21.10 | 228 | 824583  | 7.123  | ng/ul  | 98  |
| 88) Benzo(b)fluoranthene       | 22.57 | 252 | 733028  | 6.135  | ng/ul# | 98  |
| 89) Benzo(k)fluoranthene       | 22.57 | 252 | 733028  | 6.242  | ng/ul# | 97  |
| 91) Benzo(a)pyrene             | 23.10 | 252 | 560790  | 5.401  | ng/ul# | 98  |
| 92) Indeno(1,2,3-cd)pyrene     | 25.27 | 276 | 297725  | 2.740  | ng/ul  | 97  |
| 93) Dibenzo(a,h)anthracene     | 25.27 | 278 | 99381   | 1.078  | ng/ul# | 81  |
| 94) Benzo(g,h,i)perylene       | 25.90 | 276 | 197624  | 2.289  | ng/ul# | 90  |

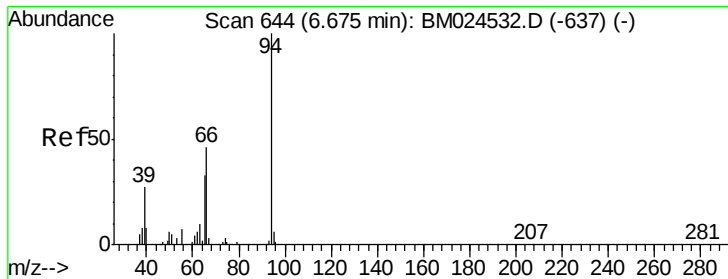
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.293 ng/ul

RT: 6.68 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA\_M

ClientSampleId :

GASG2

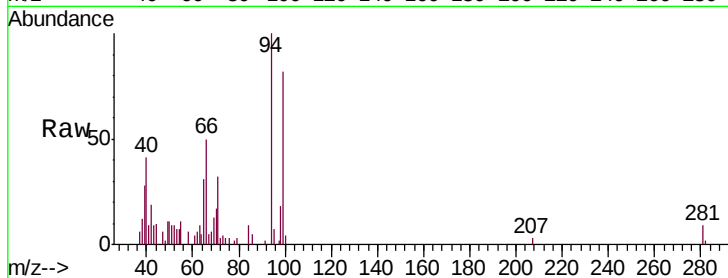
Tgt Ion: 94 Resp: 24667

Ion Ratio Lower Upper

94 100

65 31.1 26.7 40.1

66 50.1 38.1 57.1

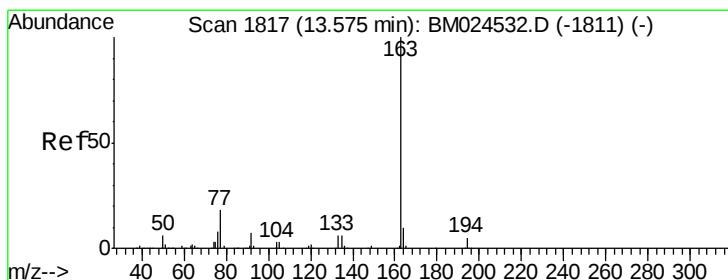
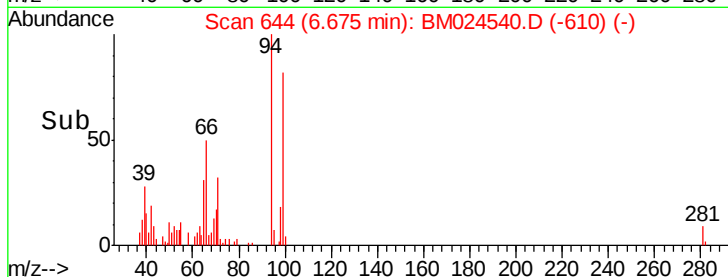
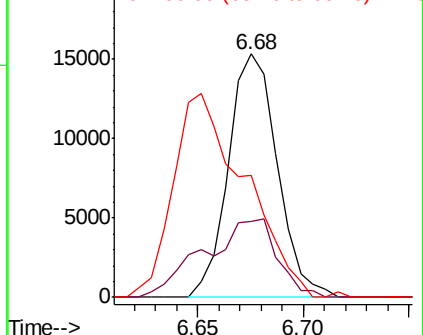


Abundance

Ion 94.00 (93.70 to 94.70): BM024532.D (-637) (-)

Ion 65.00 (64.70 to 65.70): BM024532.D (-637) (-)

Ion 66.00 (65.70 to 66.70): BM024532.D (-637) (-)



#45

Dimethylphthalate

Concen: 6.214 ng/ul

RT: 13.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

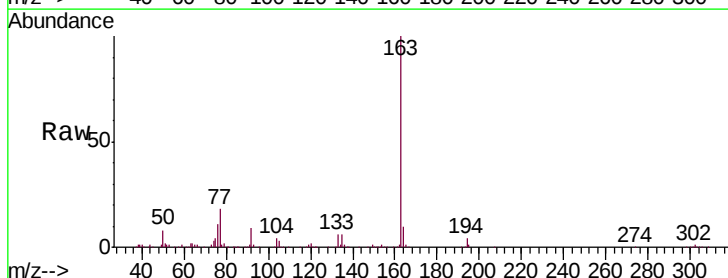
Tgt Ion: 163 Resp: 382927

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.0 8.0 12.0

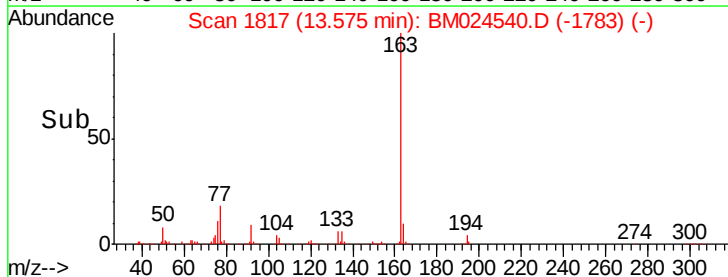
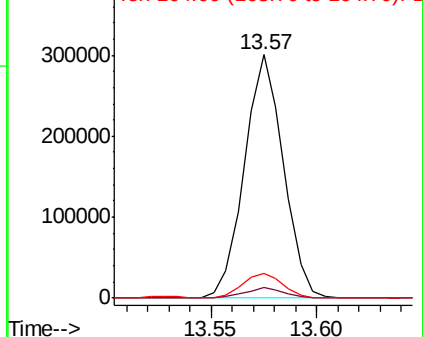


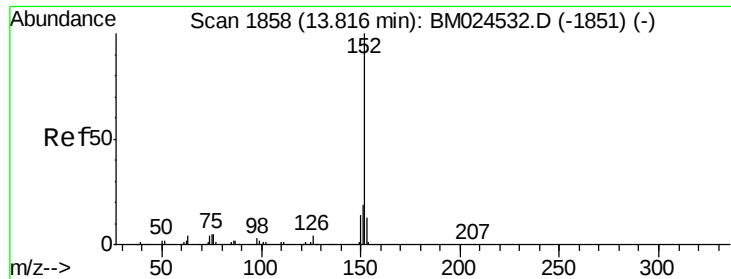
Abundance

Ion 163.00 (162.70 to 163.70): BM024532.D (-1811) (-)

Ion 194.00 (193.70 to 194.70): BM024532.D (-1811) (-)

Ion 164.00 (163.70 to 164.70): BM024532.D (-1811) (-)





#48

Acenaphthylene

Concen: 3.175 ng/ul

RT: 13.82 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA\_M

ClientSampleId :

GASG2

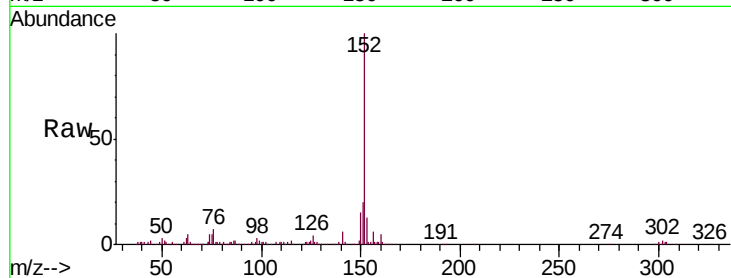
Tgt Ion:152 Resp: 226284

Ion Ratio Lower Upper

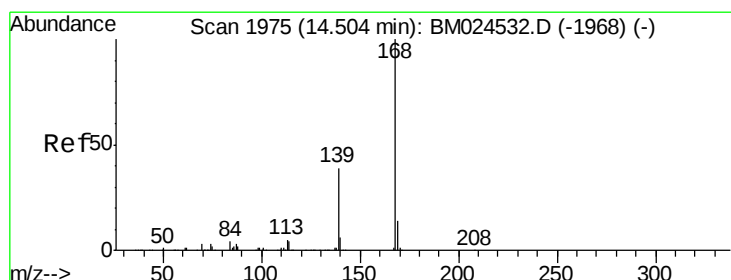
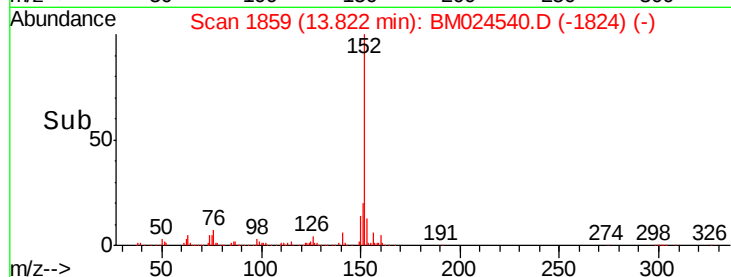
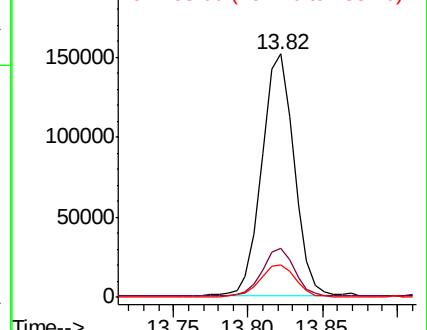
152 100

151 20.0 15.9 23.9

153 13.5 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 1.956 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BM024540.D

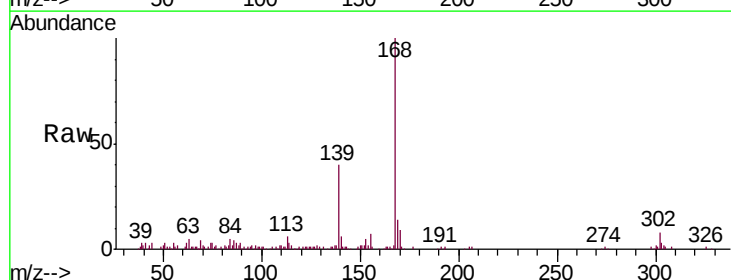
Acq: 18 Jan 2020 17:47

Tgt Ion:168 Resp: 138247

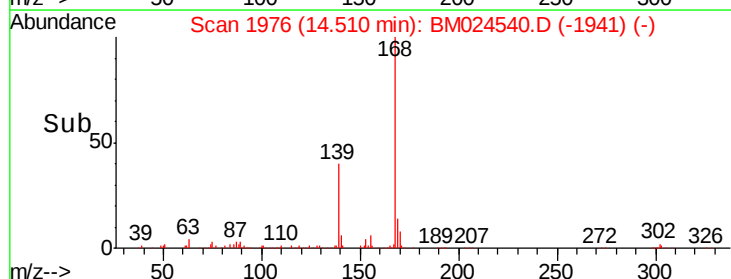
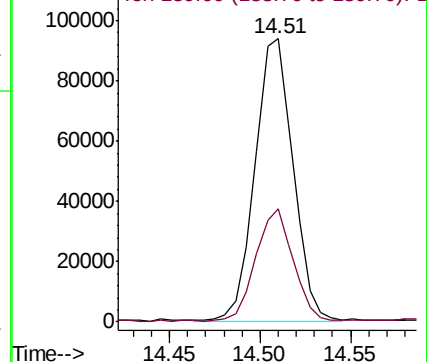
Ion Ratio Lower Upper

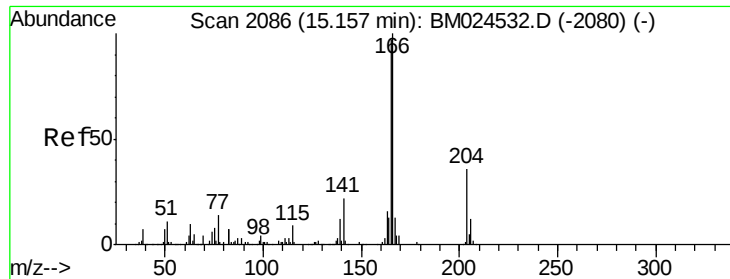
168 100

139 39.9 30.7 46.1



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.687 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA\_M

ClientSampled :

GASG2

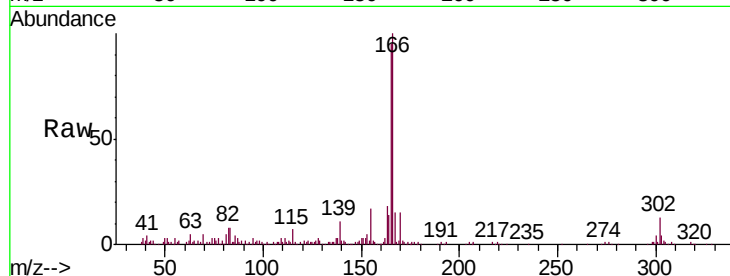
Tgt Ion:166 Resp: 160515

Ion Ratio Lower Upper

166 100

165 95.1 79.6 119.4

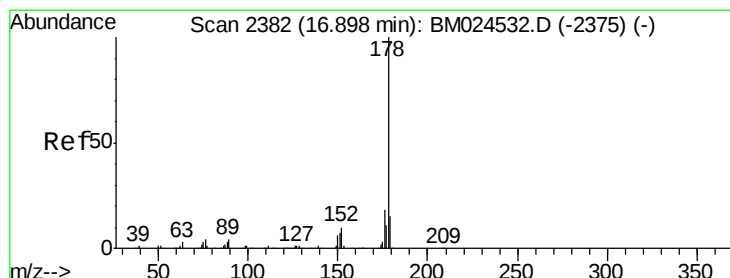
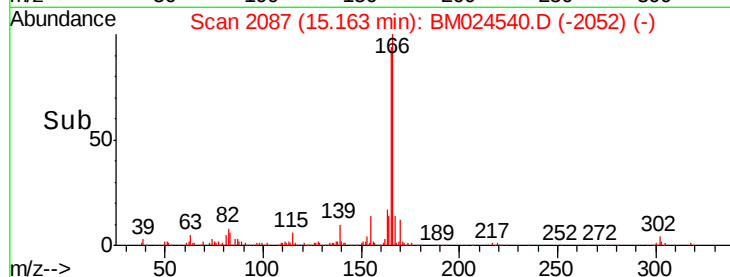
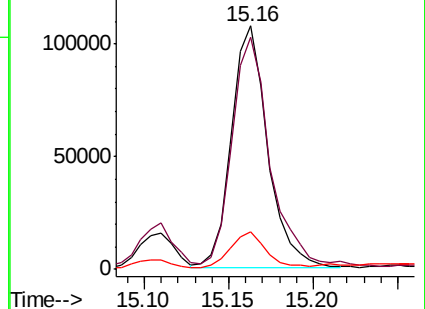
167 15.3 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 17.304 ng/ul

RT: 16.90 min Scan# 2382

Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

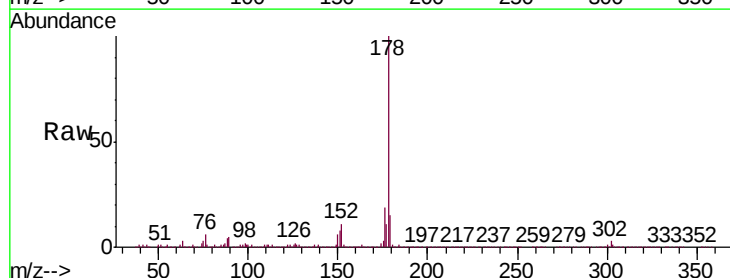
Tgt Ion:178 Resp: 1534558

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

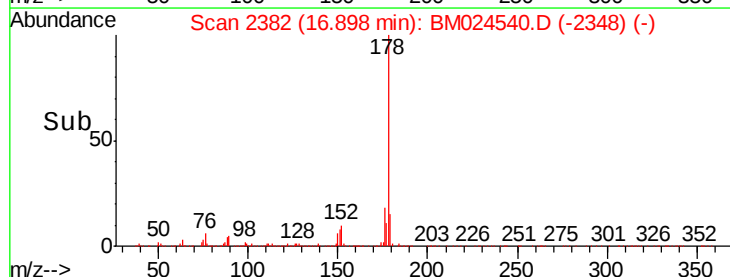
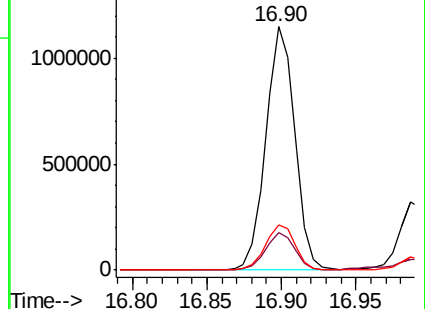
176 18.5 14.9 22.3

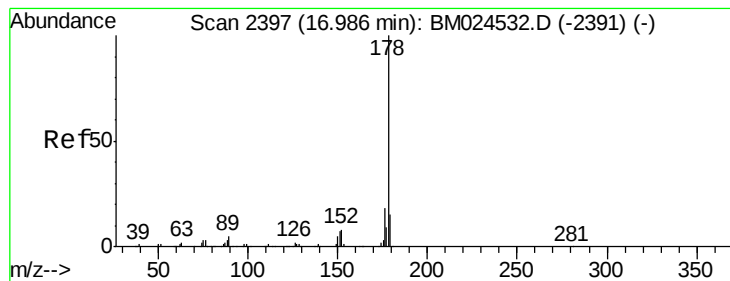


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.893 ng/ul

RT: 16.99 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA\_M

ClientSampleId :

GASG2

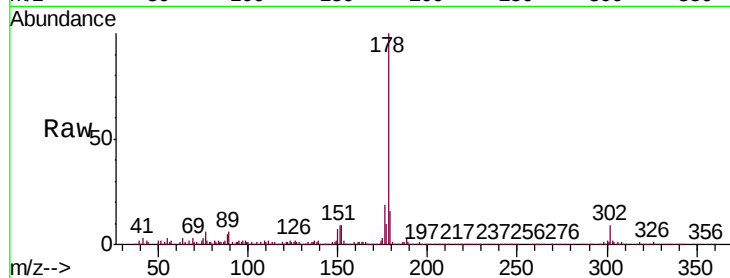
Tgt Ion:178 Resp: 442517

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

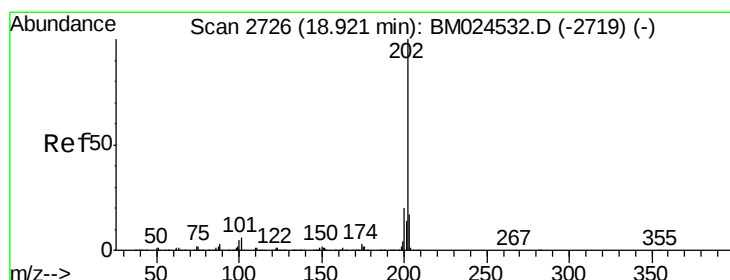
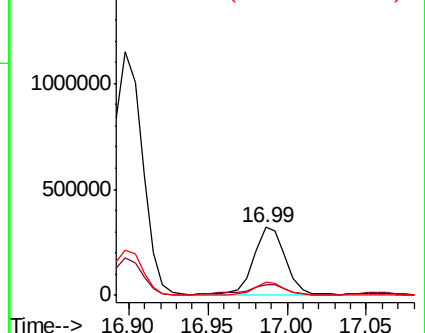
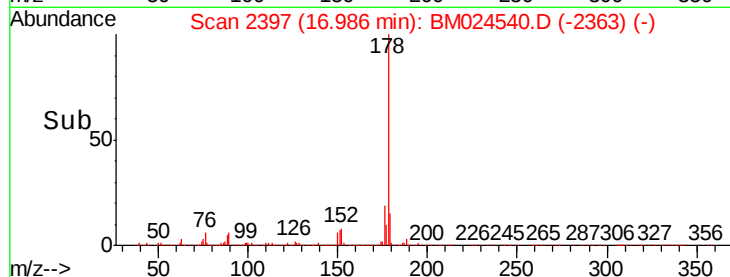
176 18.9 14.6 22.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 15.072 ng/ul

RT: 18.93 min Scan# 2727

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

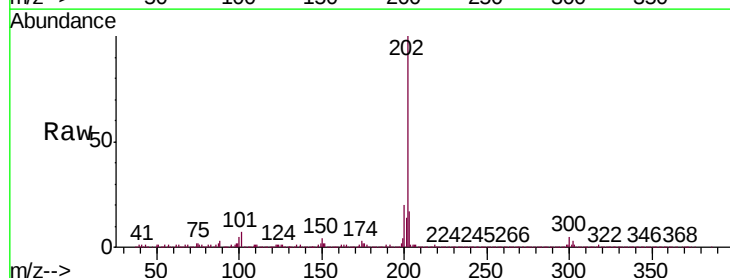
Tgt Ion:202 Resp: 1633653

Ion Ratio Lower Upper

202 100

101 6.9 5.4 8.2

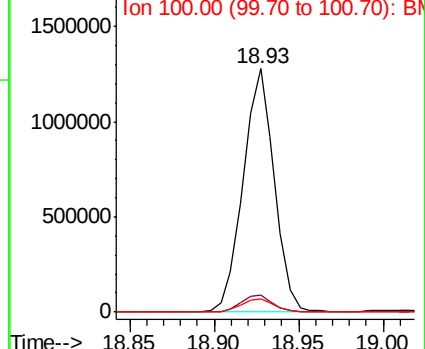
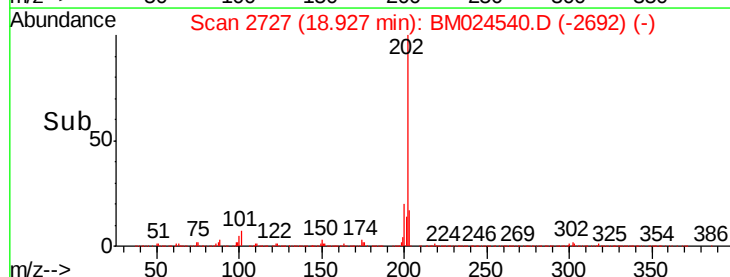
100 5.4 4.3 6.5

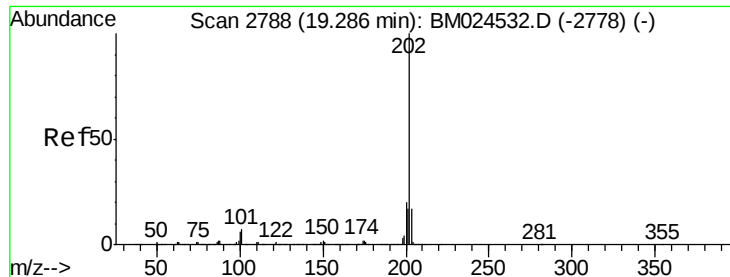


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

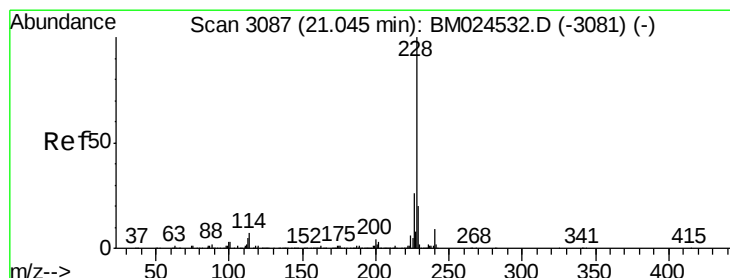
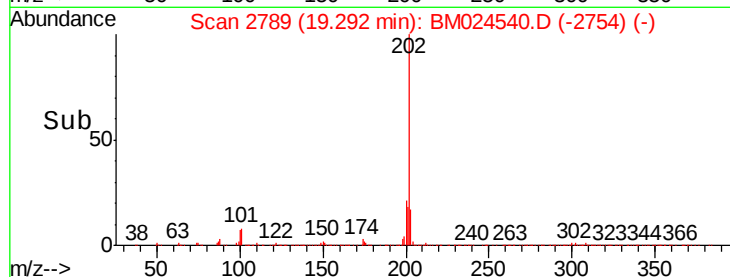
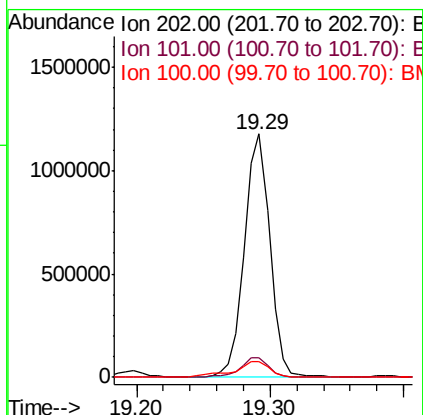
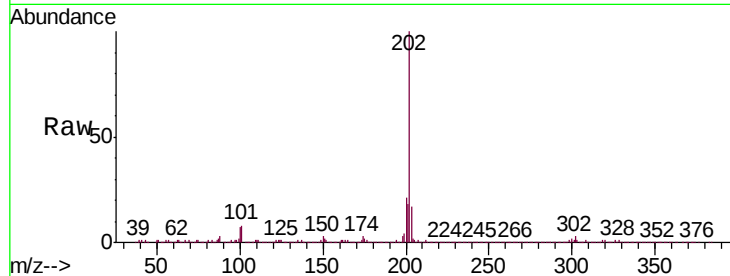




#80  
 Pyrene  
 Concen: 12.723 ng/ul  
 RT: 19.29 min Scan# 2789  
 Delta R.T. 0.01 min  
 Lab File: BM024540.D  
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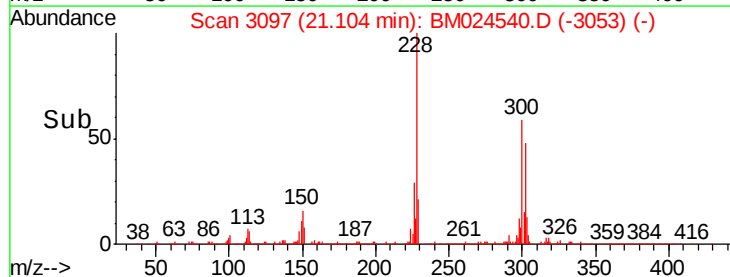
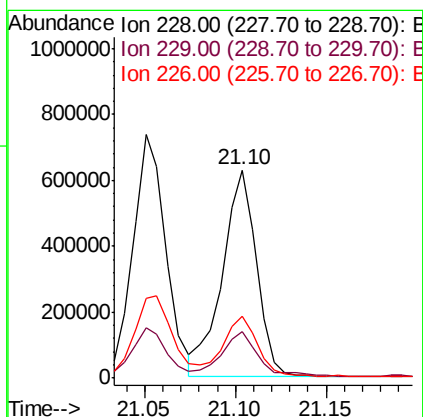
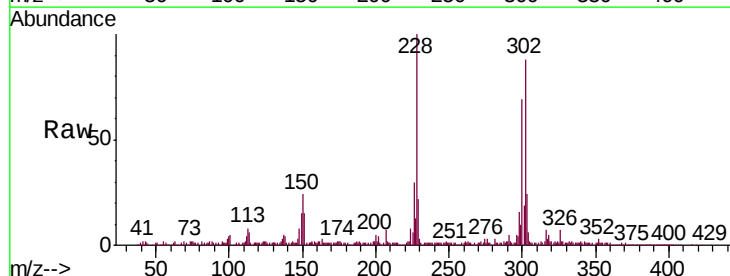
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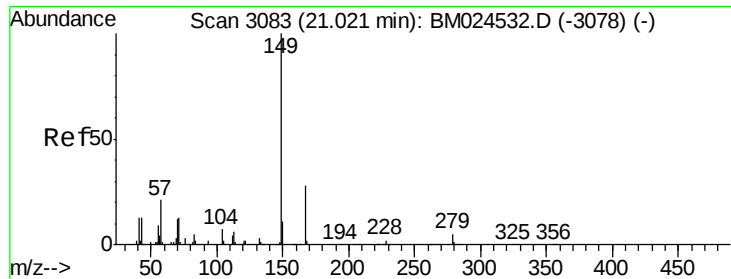
Tgt Ion: 202 Resp: 1536088  
 Ion Ratio Lower Upper  
 202 100  
 101 8.0 6.5 9.7  
 100 6.6 5.0 7.6



#83  
 Benzo(a)anthracene  
 Concen: 6.864 ng/ul  
 RT: 21.10 min Scan# 3097  
 Delta R.T. 0.06 min  
 Lab File: BM024540.D  
 Acq: 18 Jan 2020 17:47

Tgt Ion: 228 Resp: 824583  
 Ion Ratio Lower Upper  
 228 100  
 229 22.2 15.9 23.9  
 226 29.7 21.1 31.7

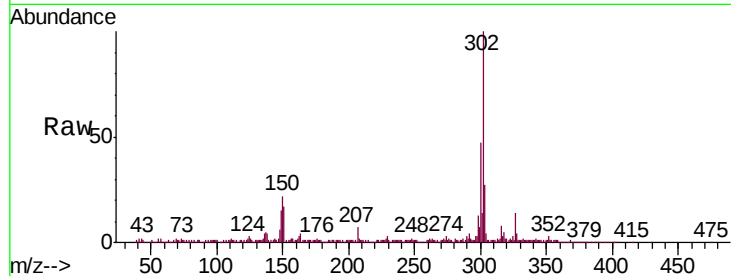




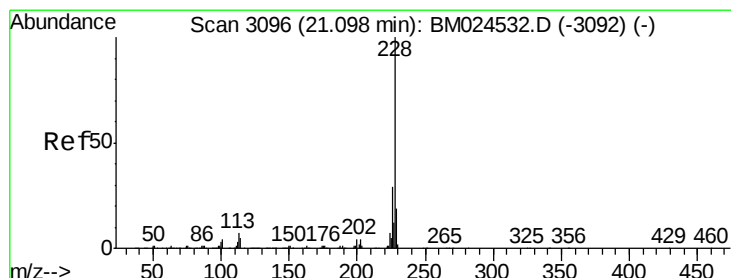
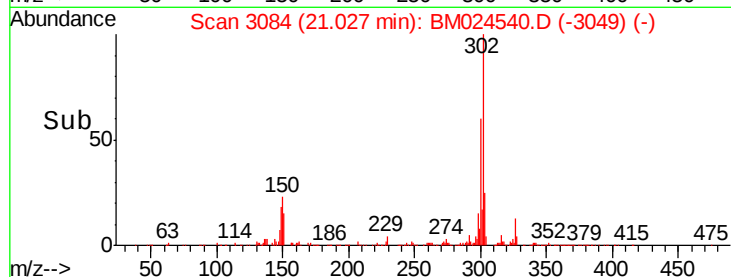
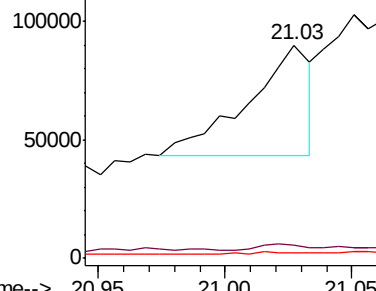
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.195 ng/ul  
 RT: 21.03 min Scan# 3084  
 Delta R.T. 0.01 min  
 Lab File: BM024540.D  
 Acq: 18 Jan 2020 17:47

Instrument :  
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Tgt Ion:149 Resp: 80224  
 Ion Ratio Lower Upper  
 149 100  
 167 6.3 22.3 33.5#  
 279 2.5 4.1 6.1#

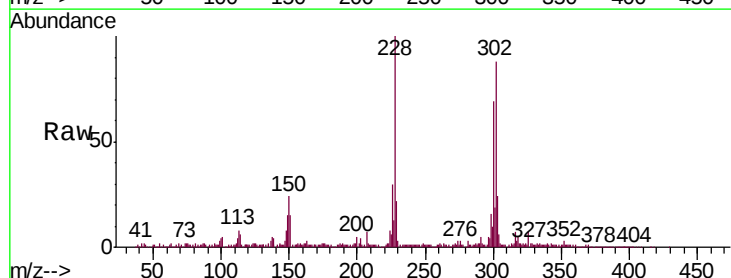


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

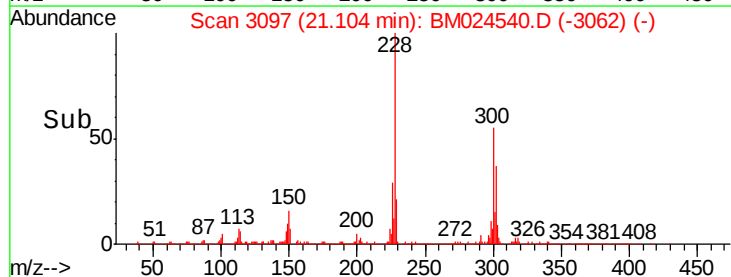
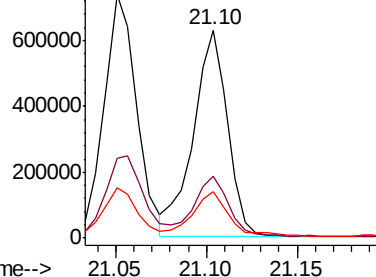


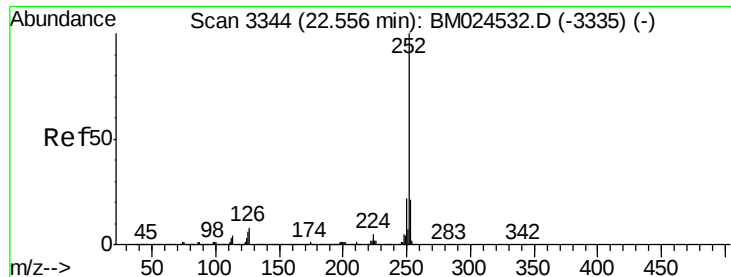
#85  
 Chrysene  
 Concen: 7.123 ng/ul  
 RT: 21.10 min Scan# 3097  
 Delta R.T. 0.01 min  
 Lab File: BM024540.D  
 Acq: 18 Jan 2020 17:47

Tgt Ion:228 Resp: 824583  
 Ion Ratio Lower Upper  
 228 100  
 226 29.7 23.4 35.2  
 229 22.2 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 6.135 ng/ul

RT: 22.57 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

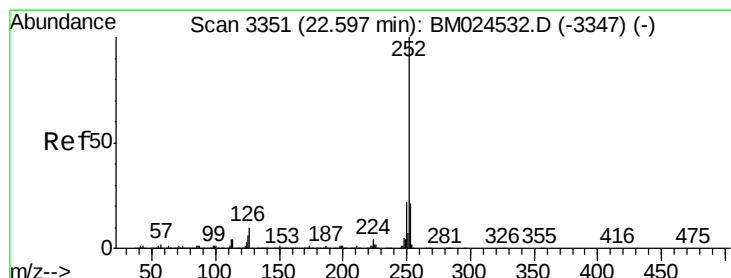
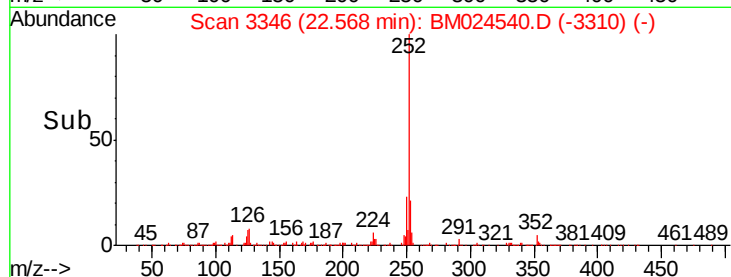
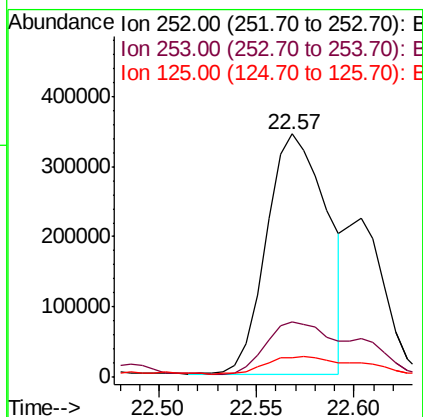
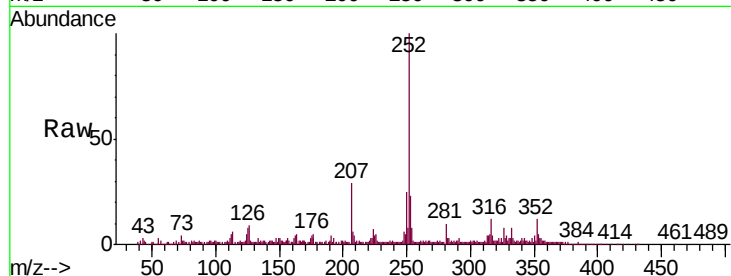
Instrument :

BNA\_M

ClientSampleId :

GASG2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 733028 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.8  | 17.8  | 26.6   |
| 125      | 8.2   | 5.3   | 7.9#   |



#89

Benzo(k)fluoranthene

Concen: 6.242 ng/ul

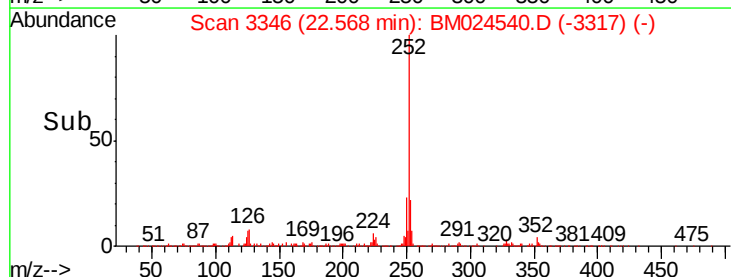
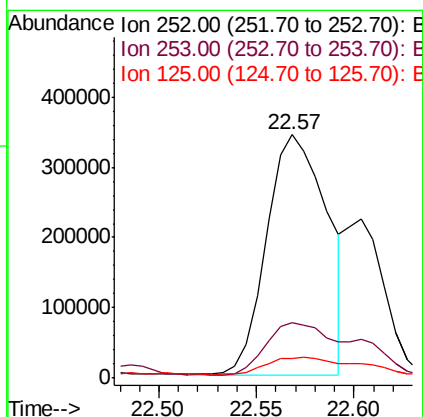
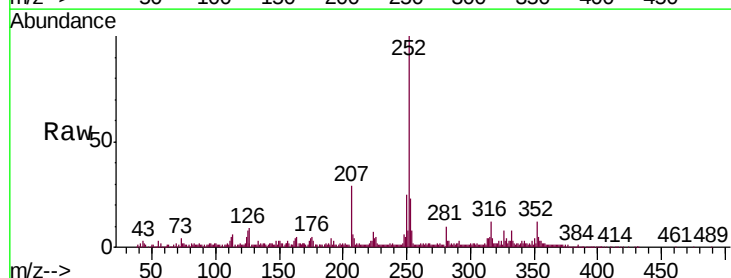
RT: 22.57 min Scan# 3346

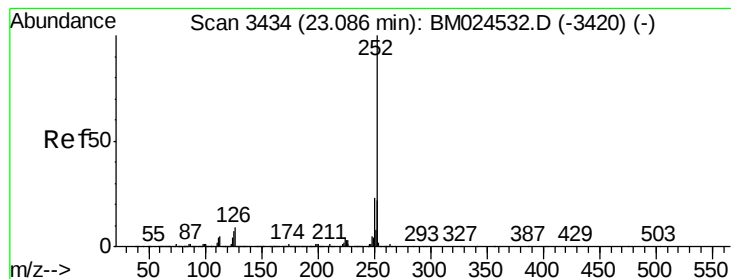
Delta R.T. -0.03 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 733028 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.8  | 17.1  | 25.7   |
| 125      | 8.2   | 5.2   | 7.8#   |





#91

Benzo(a)pyrene

Concen: 5.401 ng/ul

RT: 23.10 min Scan# 3436

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

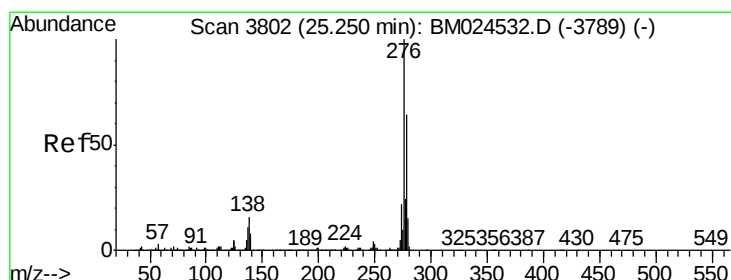
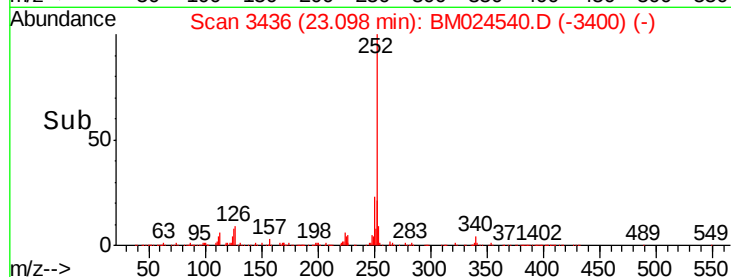
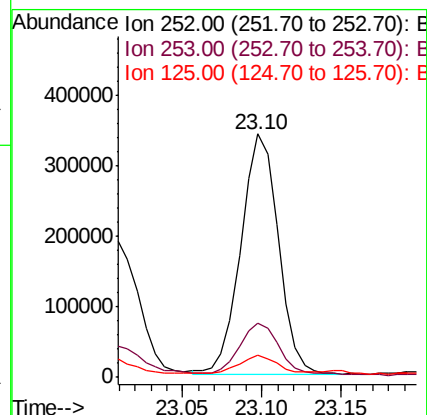
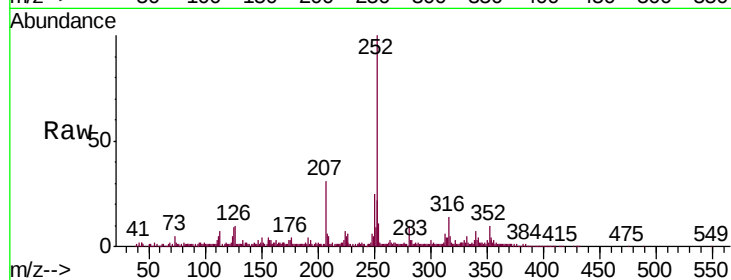
Instrument :

BNA\_M

ClientSampleId :

GASG2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 560790 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.4  | 17.5  | 26.3   |
| 125      | 9.0   | 5.7   | 8.5#   |



#92

Indeno(1,2,3-cd)pyrene

Concen: 2.740 ng/ul

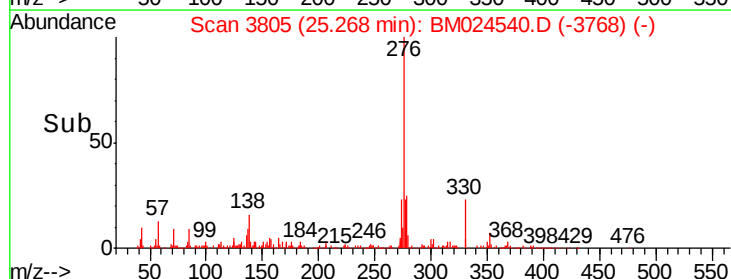
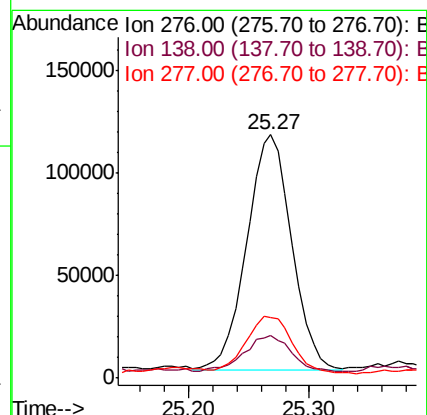
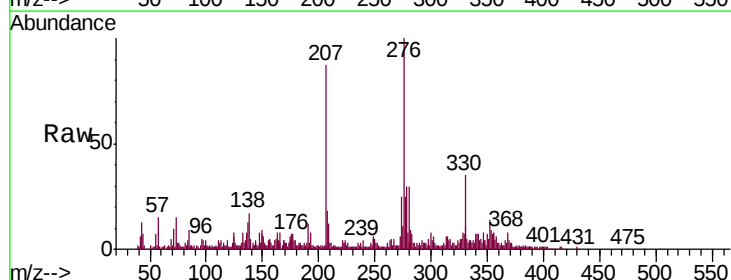
RT: 25.27 min Scan# 3805

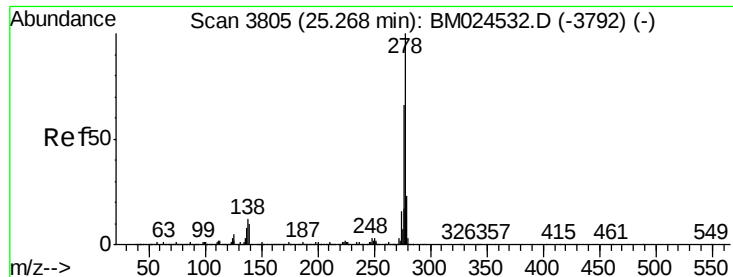
Delta R.T. 0.02 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 297725 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 138      | 17.3  | 12.5  | 18.7   |
| 277      | 24.8  | 19.0  | 28.6   |





#93

Dibenzo(a,h)anthracene

Concen: 1.078 ng/ul

RT: 25.27 min Scan# 3806

Delta R.T. 0.01 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

Instrument :

BNA\_M

ClientSampleId :

GASG2

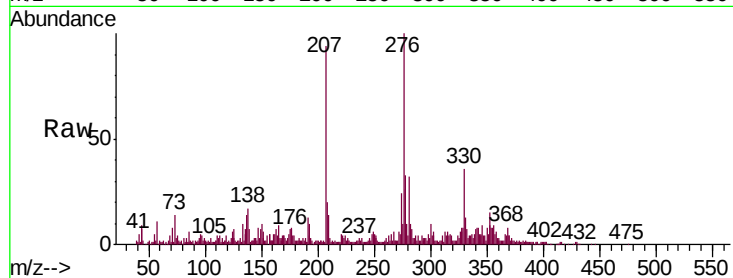
Tgt Ion:278 Resp: 99381

Ion Ratio Lower Upper

278 100

139 22.3 8.7 13.1#

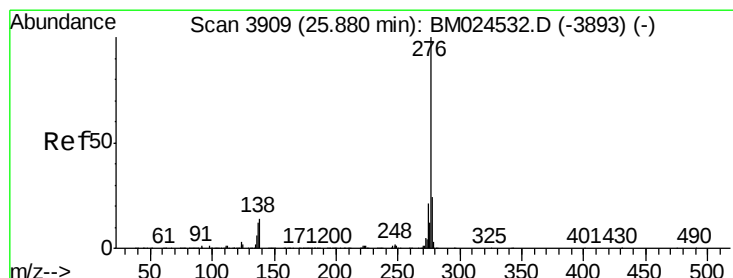
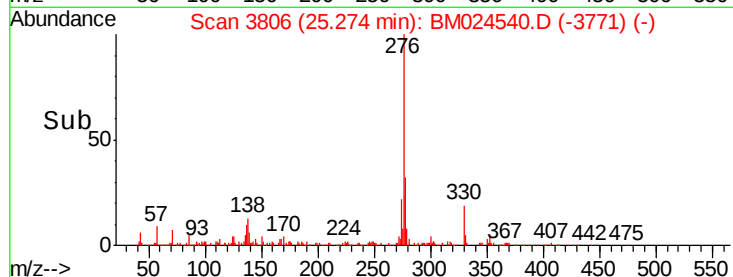
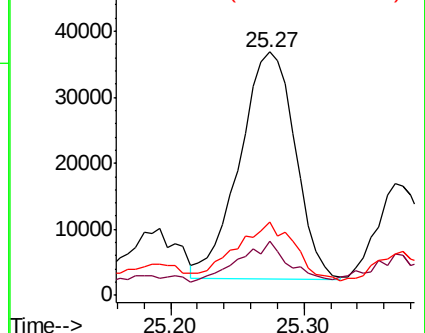
279 30.2 18.6 27.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 2.289 ng/ul

RT: 25.90 min Scan# 3912

Delta R.T. 0.02 min

Lab File: BM024540.D

Acq: 18 Jan 2020 17:47

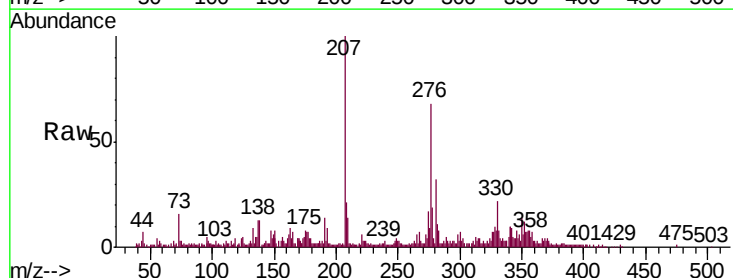
Tgt Ion:276 Resp: 197624

Ion Ratio Lower Upper

276 100

138 18.9 12.2 18.2#

277 28.5 18.8 28.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

