

Instrument :
BNA_M
ClientSampleId :
SLCS276

Reviewed By :Jagrut Upadhyay 12/10/2021
Supervised By :mohammad ahmed 12/15/2021

TIC: BM033376.D\data.ms

Abundance

Time-->

1,900,000

1,800,000

1,700,000

1,600,000

1,500,000

1,400,000

1,300,000

1,200,000

1,100,000

1,000,000

900,000

800,000

700,000

600,000

500,000

400,000

300,000

200,000

100,000

0

4.00

6.00

8.00

10.00

12.00

14.00

16.00

18.00

20.00

22.00

24.00

26.00

28.00

Pyrene-d5,S

1,4-Dioxane-d8,S

Bis(2-chlorophenyl)ether,S

Bis(2-chlorophenyl)ether,S

1,4-Dichlorobenzene-d4,1

2,2'-oxybis(1,4-dichlorobenzene-d4,1)

Hexachlorocyclopentadiene,S

Hexachlorocyclopentadiene,S

2,3,4,5-tetrachlorobenzophenone

Bis(2-chloroethoxy)methane,S

2,4,6-trichlorobenzophenone

Naphthalene-1,4-diol,S

Hexachlorobutadiene,C

Caprolactam

4-Chloro-3-methylphenol,C

2-Methylphthalate,S

Hexachlorocyclopentadiene,S

2,4,6-trichlorobenzophenone,C

2-Nitroaniline

2,6-Dinitrotoluene-d6,S

3-Nitroaniline

Acenaphthene-d10,1

2,4-Dinitrophenol

4-Nitrophenol

2,3,4,6-tetrachlorophenol

Fluorene

Chlorophenyl-phenylether

N-Nitrosodiphenylamine

4-Bromophenyl-phenylether

Pentachlorophenol,C

Phthalate-d10,1

Anthracene-9,10-dione

Carbazole

Di-n-butylphthalate

Fluoranthene

Pyrene-d10,S

Pyrene

Butylbenzylphthalate

3,3'-Bis(benzoyl)phthalate

Di-n-octyl phthalate

Benzophenone

Benzophenone

Benzophenone

Perylene-d12,1

Dibenzofuran

Benzo(g,h,i)perylene

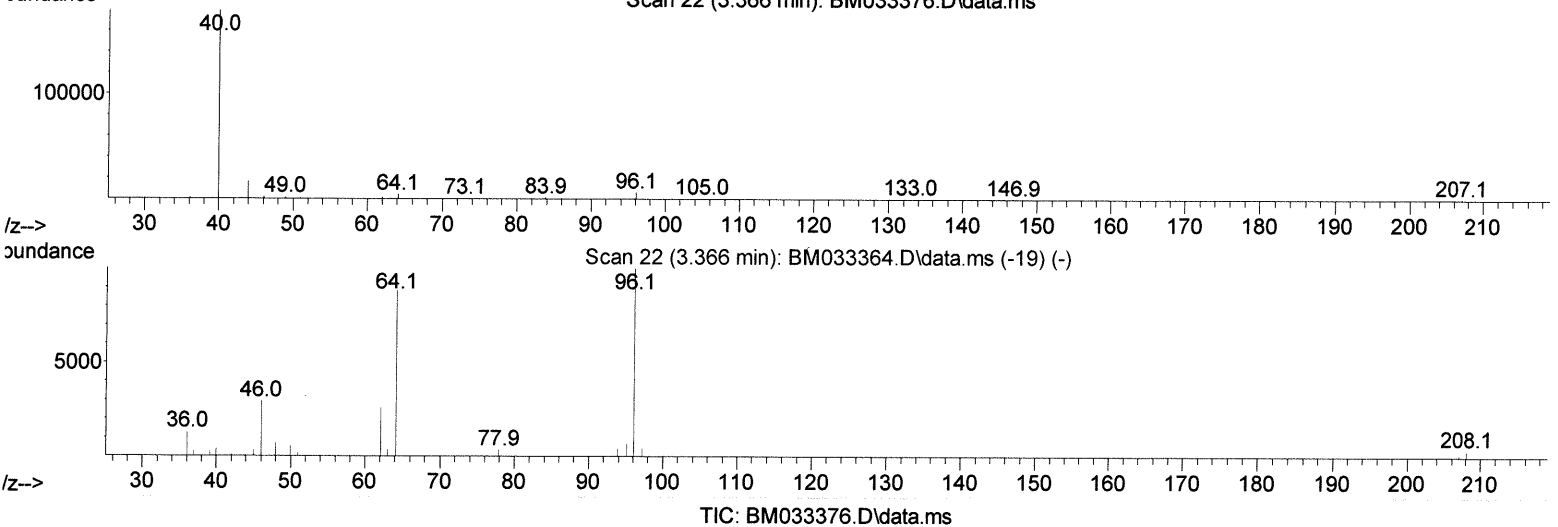
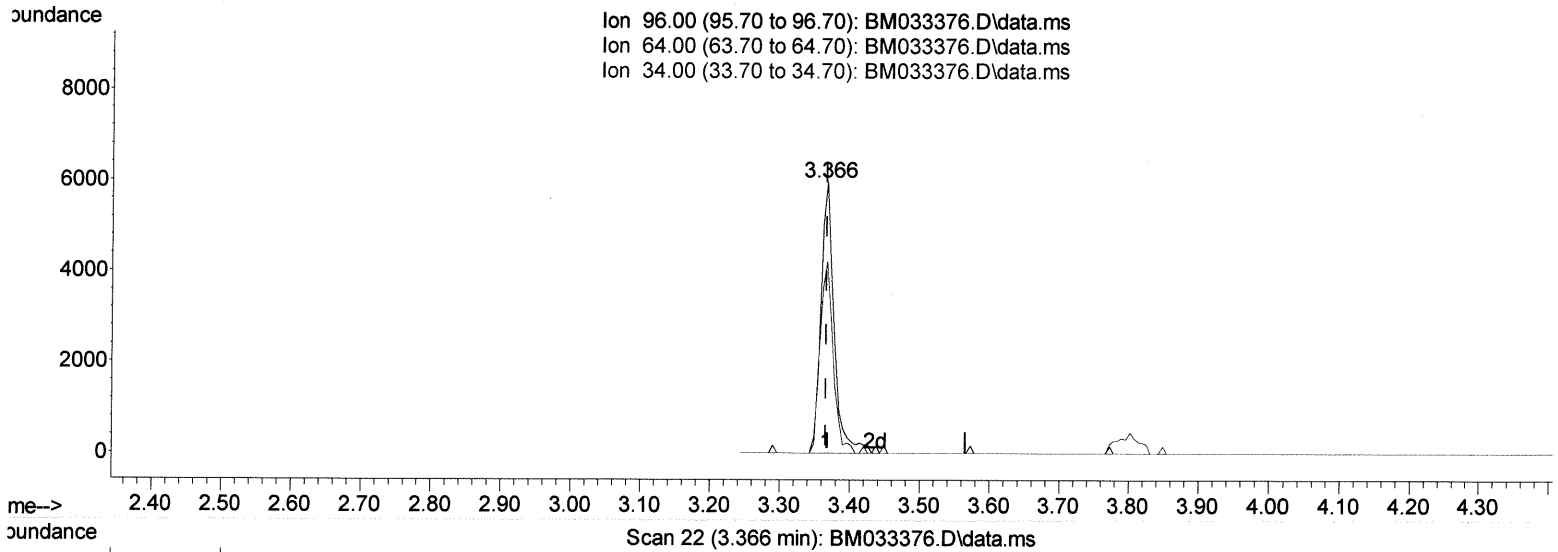
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120921\
 Data File : BM033376.D
 Acq On : 10 Dec 2021 02:59
 Operator : CG/JU
 Sample : PB141276BS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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(3) 1,4-Dioxane-d8 (S)

3.366min (+ 0.000) 6.15 ng/uL

response 7570

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 70.62 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

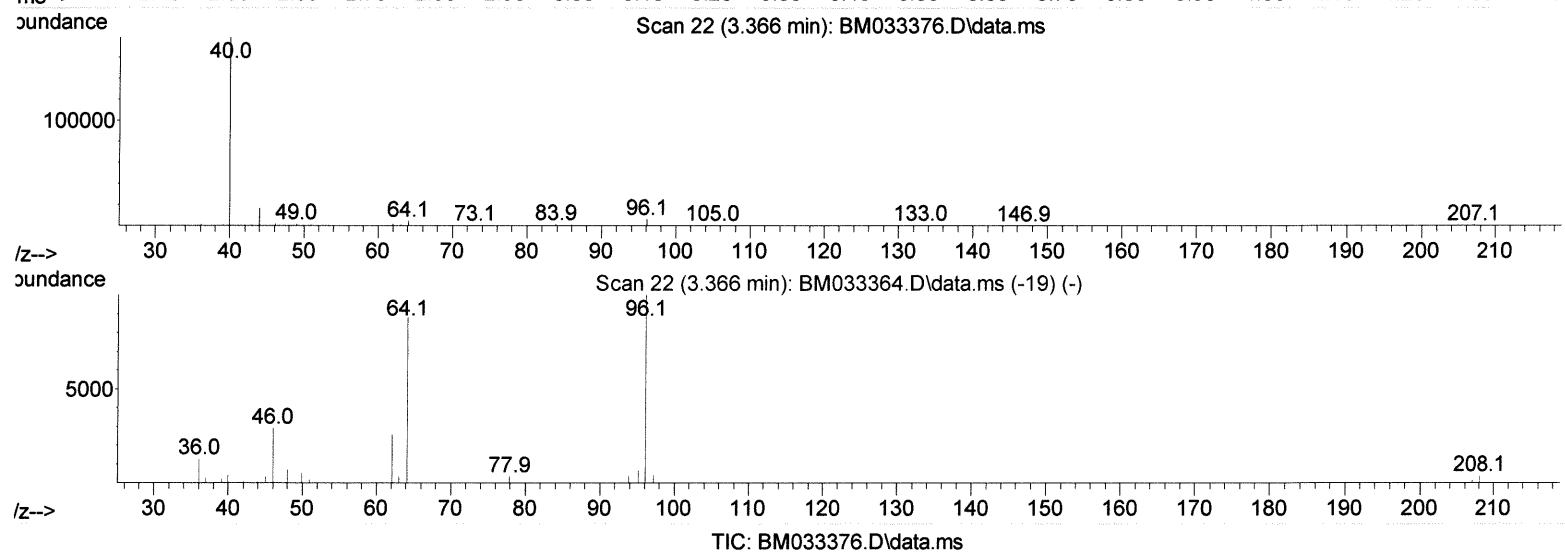
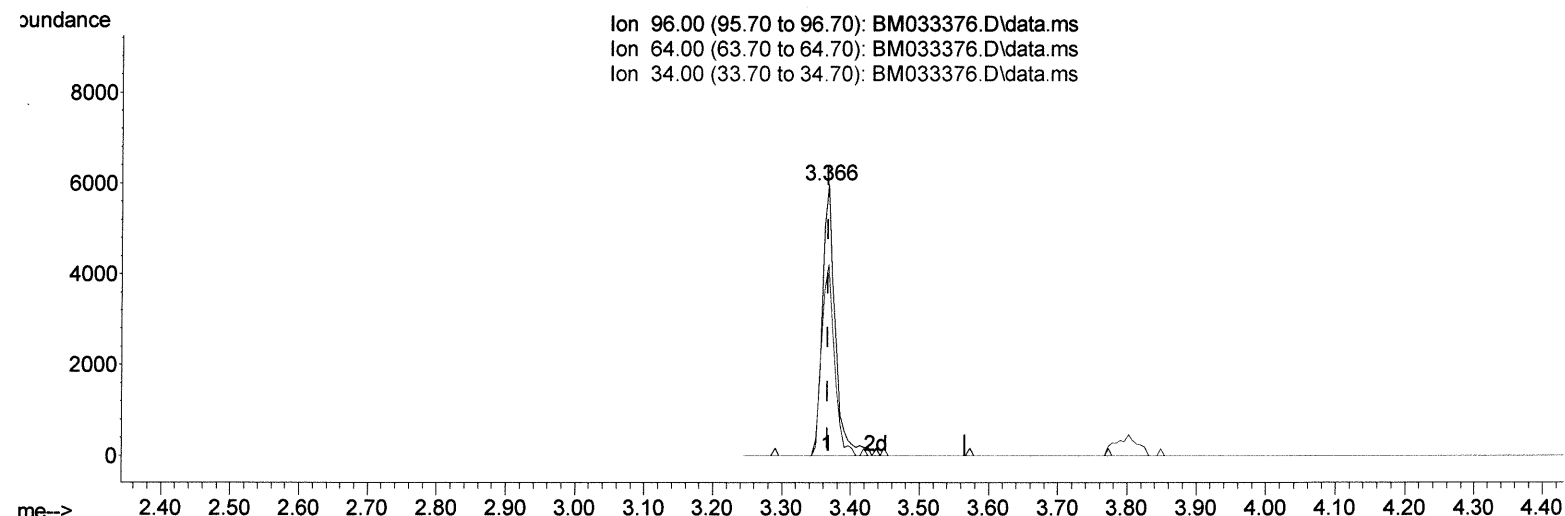
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(3) 1,4-Dioxane-d8 (S)

3.366min (+ 0.000) 6.32 ng/uL m

response 7779

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.20 | 70.62 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

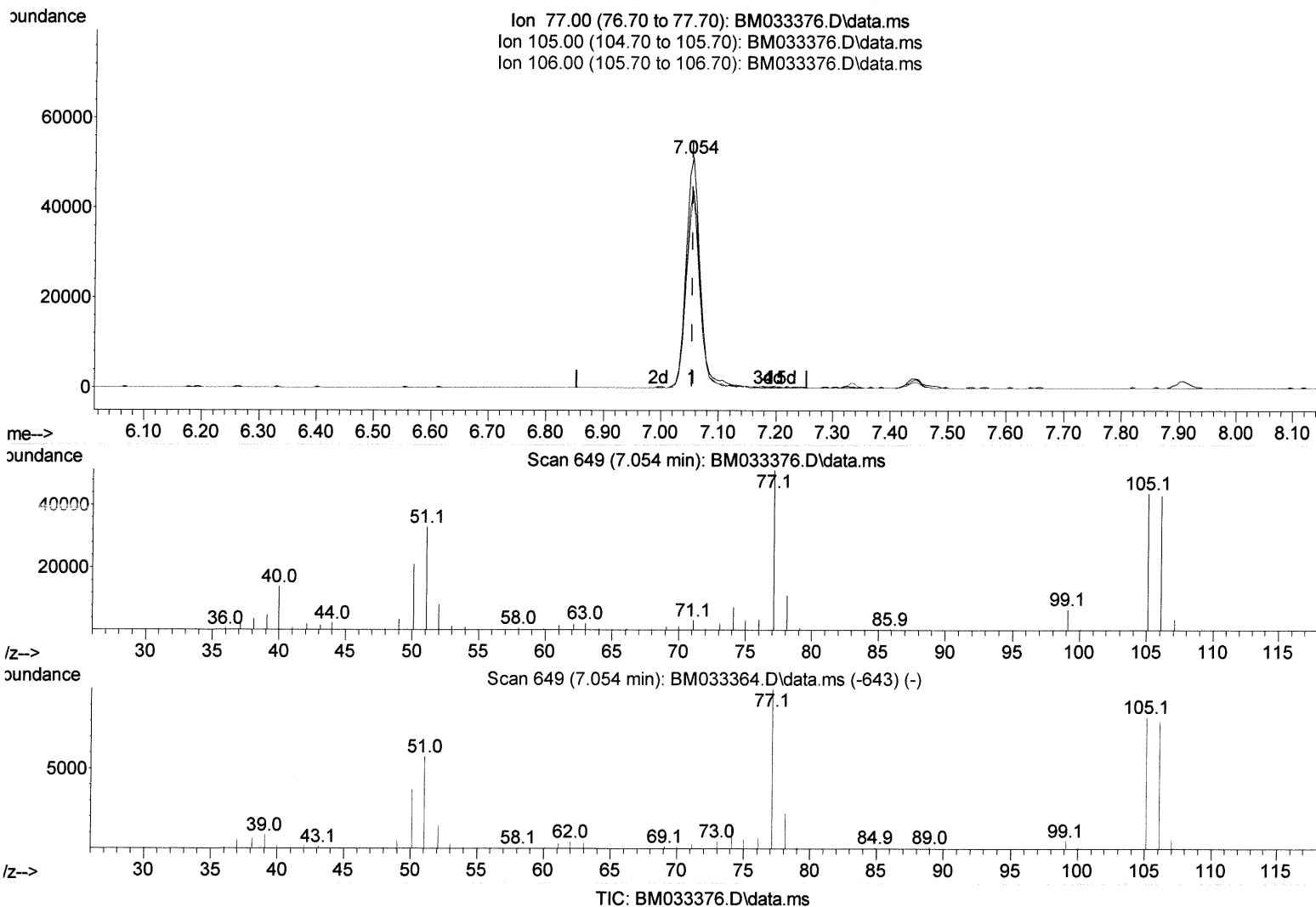
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(6) Benzaldehyde

7.054min (+ 0.000) 35.84 ng/ul

response 87454

| Ion | Exp% | Act% |
|--------|--------|--------|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 82.00 | 85.56 |
| 106.00 | 75.70 | 84.24 |
| 0.00 | 0.00 | 0.00 |

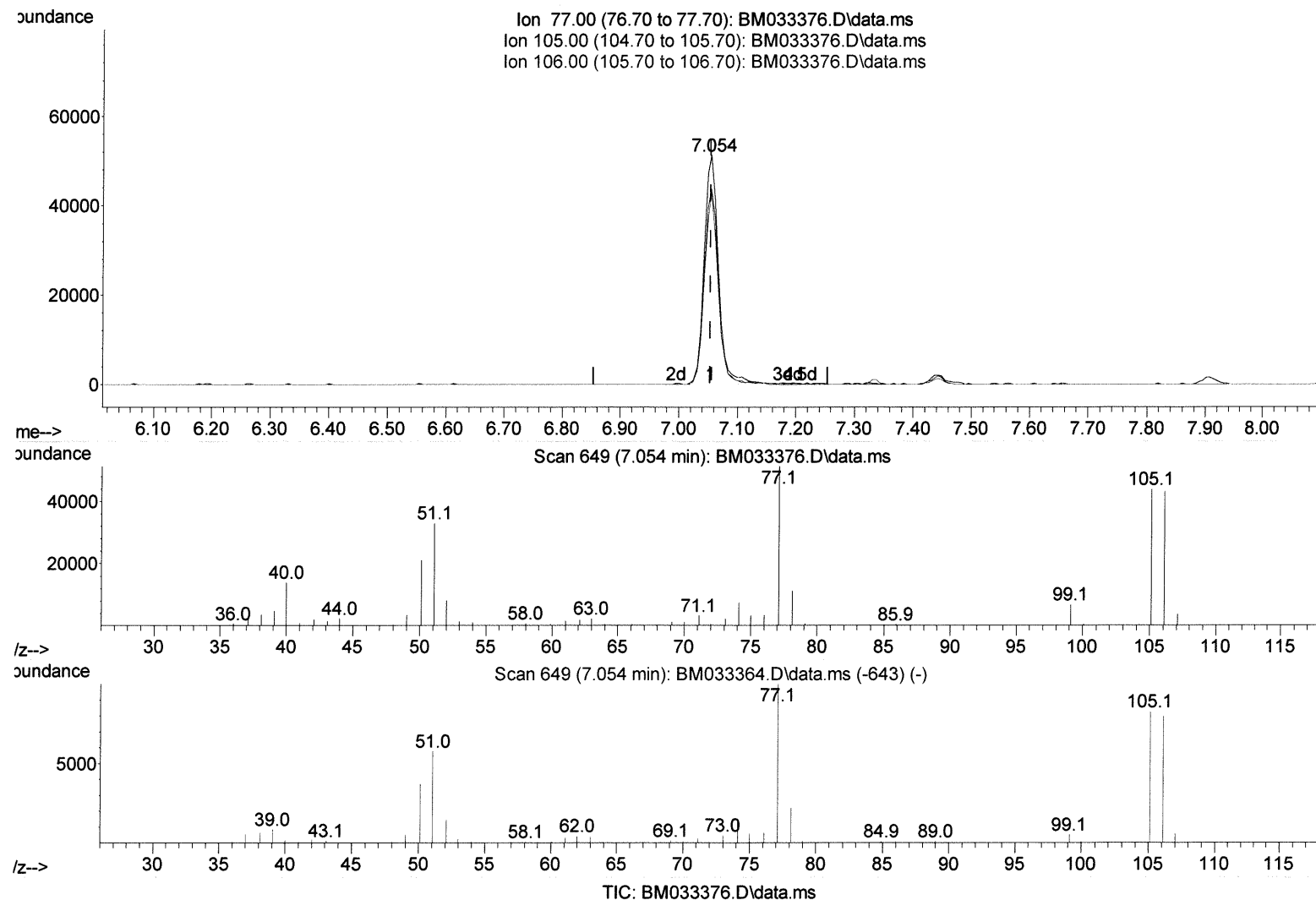
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(6) Benzaldehyde

7.054min (+ 0.000) 35.02 ng/ul m

response 85468

| Ion | Exp% | Act% |
|--------|--------|--------|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 82.00 | 85.56 |
| 106.00 | 75.70 | 84.24 |
| 0.00 | 0.00 | 0.00 |

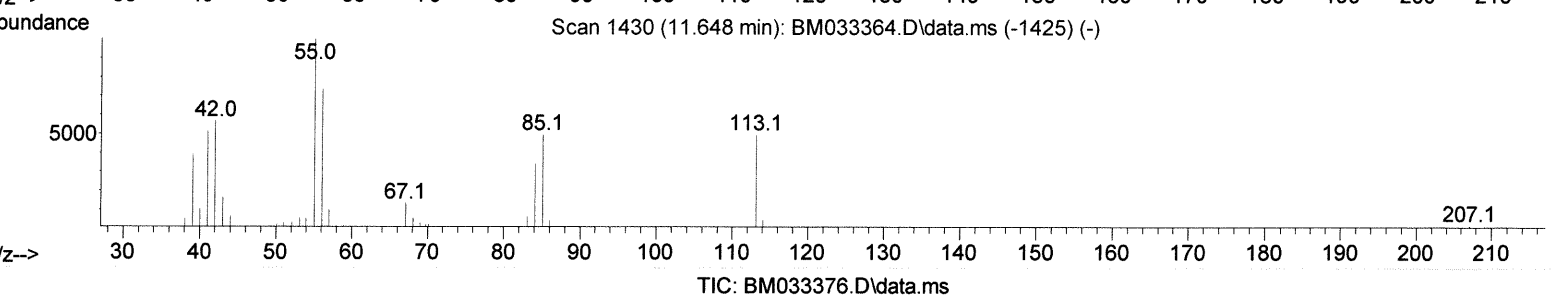
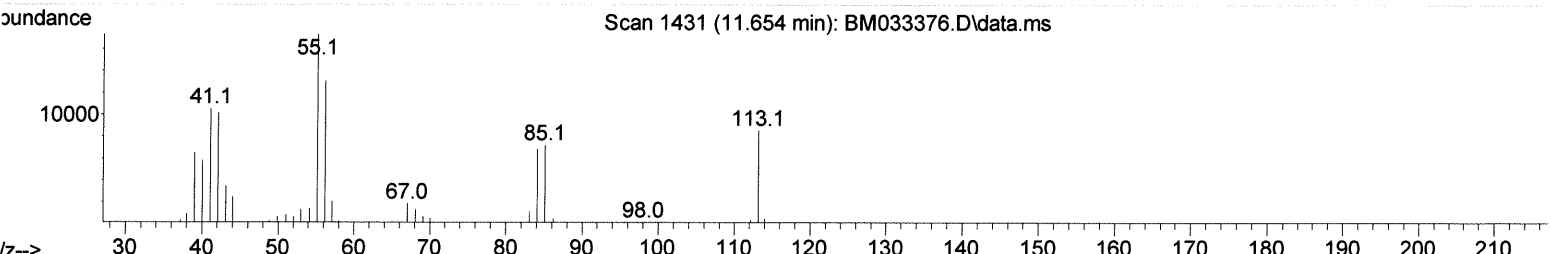
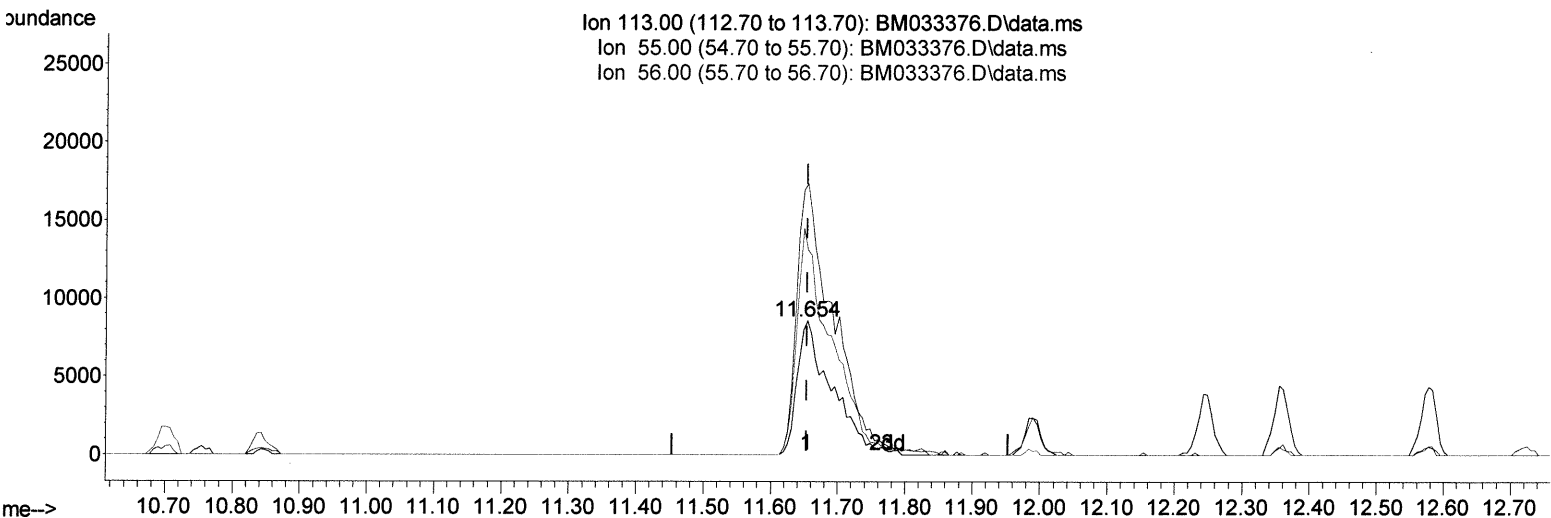
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(34) Caprolactam

11.654min (+ 0.000) 29.15 ng/ul

response 30078

| Ion | Exp% | Act% |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 197.40 | 202.69 |
| 56.00 | 164.70 | 153.24 |
| 0.00 | 0.00 | 0.00 |

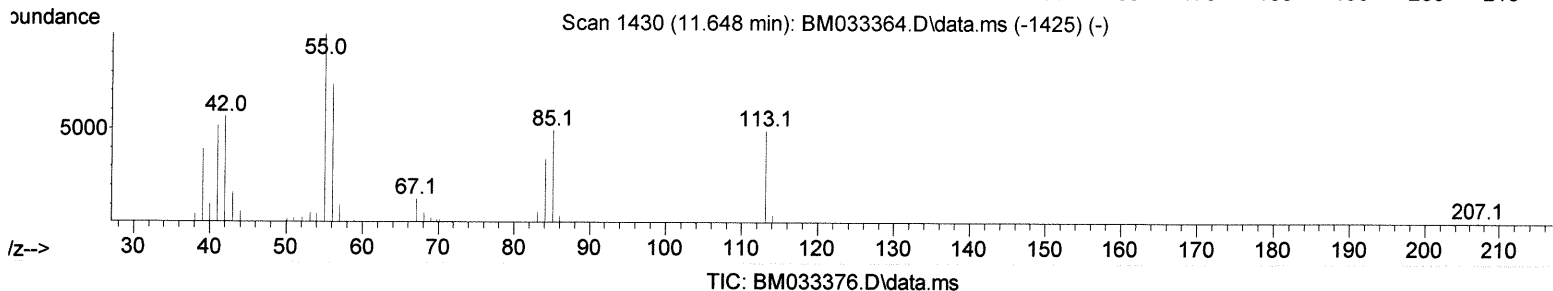
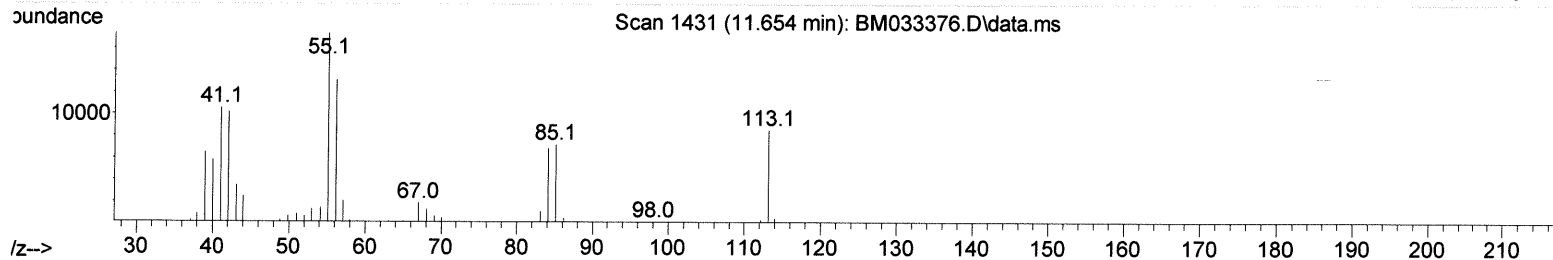
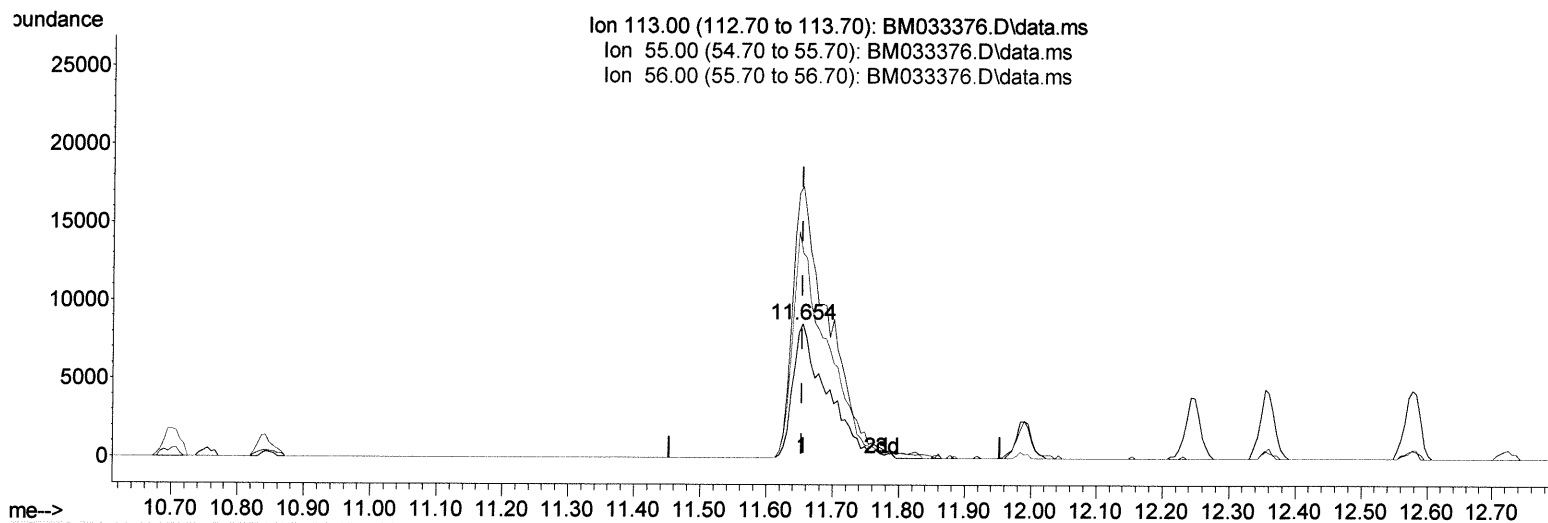
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(34) Caprolactam

11.654min (+ 0.000) 29.64 ng/ul m

response 30586

| Ion | Exp% | Act% |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 197.40 | 202.69 |
| 56.00 | 164.70 | 153.24 |
| 0.00 | 0.00 | 0.00 |

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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---------------------------|--------|------|----------|--------------|----------|
| Internal Standards | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.907 | 152 | 46260 | 20.000 ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.701 | 136 | 192100 | 20.000 ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.530 | 164 | 137385 | 20.000 ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.271 | 188 | 309773 | 20.000 ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.436 | 240 | 322210 | 20.000 ng/ul | 0.00 |
| 88) Perylene-d12 | 23.753 | 264 | 308272 | 20.000 ng/ul | 0.00 |

System Monitoring Compounds

| | | | | | |
|-------------------------------|--------|-----|--------|--------------|-------|
| 3) 1,4-Dioxane-d8 | 3.366 | 96 | 7779m | 6.319 ng/ul | 0.00 |
| 4) Pyridine-d5 | 3.784 | 84 | 101699 | 28.493 ng/ul | 0.00 |
| 7) Phenol-d5 | 7.078 | 99 | 122993 | 28.078 ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.237 | 67 | 82323 | 28.706 ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.437 | 132 | 89430 | 29.159 ng/ul | -0.01 |
| 15) 4-Methylphenol-d8 | 8.613 | 113 | 92698 | 27.036 ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.066 | 128 | 44675 | 28.661 ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.790 | 143 | 48435 | 30.287 ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.325 | 165 | 92006 | 30.443 ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.842 | 131 | 108175 | 24.141 ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.942 | 166 | 305518 | 29.763 ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.225 | 160 | 377576 | 29.672 ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.742 | 143 | 55464 | 29.759 ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.525 | 176 | 272876 | 29.719 ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.642 | 200 | 51592 | 27.594 ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.371 | 188 | 464622 | 30.349 ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.654 | 212 | 552774 | 30.696 ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.606 | 264 | 516521 | 30.912 ng/ul | 0.00 |

Target Compounds

| | | | | | Qvalue |
|-------------------------------|--------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane | 3.402 | 88 | 15622 | 11.401 ng/ul | 88 |
| 5) Pyridine | 3.802 | 79 | 104803 | 28.510 ng/ul | 88 |
| 6) Benzaldehyde | 7.054 | 77 | 85468m | 35.021 ng/ul | 96 |
| 8) Phenol | 7.102 | 94 | 124125 | 27.510 ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.331 | 93 | 93758 | 27.621 ng/ul | 97 |
| 12) 2-Chlorophenol | 7.472 | 128 | 90160 | 28.429 ng/ul | 97 |
| 13) 2-Methylphenol | 8.349 | 108 | 86347 | 26.396 ng/ul | 96 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.437 | 45 | 163535 | 27.921 ng/ul | 97 |
| 16) Acetophenone | 8.731 | 105 | 152453 | 26.841 ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.713 | 70 | 88314 | 28.446 ng/ul | 97 |
| 18) 4-Methylphenol | 8.678 | 108 | 97205 | 27.159 ng/ul | 98 |
| 19) Hexachloroethane | 8.978 | 117 | 45050 | 28.117 ng/ul | 90 |
| 22) Nitrobenzene | 9.113 | 77 | 135942 | 29.789 ng/ul | 99 |
| 23) Isophorone | 9.637 | 82 | 230306 | 29.472 ng/ul | 99 |
| 25) 2-Nitrophenol | 9.819 | 139 | 50137 | 29.572 ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.878 | 107 | 119291 | 29.019 ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.113 | 93 | 127942 | 29.111 ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.354 | 162 | 90022 | 29.425 ng/ul | 95 |
| 30) Naphthalene | 10.754 | 128 | 302464 | 28.254 ng/ul | 99 |
| 32) 4-Chloroaniline | 10.866 | 127 | 104750 | 23.260 ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.025 | 225 | 65090 | 29.066 ng/ul | 92 |
| 34) Caprolactam | 11.654 | 113 | 30586m | 29.645 ng/ul | 92 |
| 35) 4-Chloro-3-methylphenol | 11.989 | 107 | 111049 | 30.923 ng/ul | 92 |

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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------------|----------|
| 36) 2-Methylnaphthalene | 12.360 | 142 | 209389 | 28.842 ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.578 | 142 | 219125 | 29.044 ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.725 | 216 | 114225 | 27.595 ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.695 | 237 | 70519 | 26.103 ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 12.966 | 196 | 72524 | 29.765 ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.042 | 196 | 79786 | 30.227 ng/ul | 91 |
| 43) 1,1'-Biphenyl | 13.366 | 154 | 296257 | 28.187 ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.413 | 162 | 227058 | 28.079 ng/ul | 100 |
| 45) 2-Nitroaniline | 13.619 | 65 | 89749 | 31.121 ng/ul | 98 |
| 47) Dimethylphthalate | 13.989 | 163 | 296444 | 29.085 ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.113 | 165 | 59507 | 30.203 ng/ul | 94 |
| 50) Acenaphthylene | 14.254 | 152 | 388124 | 29.294 ng/ul | 99 |
| 51) 3-Nitroaniline | 14.448 | 138 | 53950 | 27.819 ng/ul | 92 |
| 52) Acenaphthene | 14.595 | 153 | 251822 | 28.638 ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.648 | 184 | 28046 | 24.223 ng/ul | 95 |
| 55) 4-Nitrophenol | 14.754 | 109 | 61290 | 30.425 ng/ul | 92 |
| 56) Dibenzofuran | 14.930 | 168 | 374593 | 29.377 ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.895 | 165 | 92057 | 31.806 ng/ul# | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.154 | 232 | 69306 | 30.887 ng/ul | 98 |
| 59) Diethylphthalate | 15.348 | 149 | 322291 | 30.467 ng/ul | 98 |
| 61) Fluorene | 15.577 | 166 | 316226 | 30.161 ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.572 | 204 | 154619 | 29.563 ng/ul | 98 |
| 63) 4-Nitroaniline | 15.607 | 138 | 69242 | 34.769 ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.654 | 198 | 52829 | 28.366 ng/ul | 91 |
| 67) N-Nitrosodiphenylamine | 15.783 | 169 | 270908 | 29.744 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.466 | 248 | 93003 | 29.808 ng/ul | 99 |
| 69) Hexachlorobenzene | 16.572 | 284 | 102710 | 28.571 ng/ul | 98 |
| 70) Atrazine | 16.736 | 200 | 101507 | 28.087 ng/ul | 99 |
| 71) Pentachlorophenol | 16.924 | 266 | 57505 | 28.526 ng/ul | 96 |
| 72) Phenanthrene | 17.313 | 178 | 524659 | 29.359 ng/ul | 99 |
| 74) Anthracene | 17.407 | 178 | 538930 | 29.745 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.331 | 216 | 118922 | 26.618 ng/uL | 100 |
| 76) Pentachlorobenzene | 14.848 | 250 | 116603 | 26.429 ng/uL | 98 |
| 77) Carbazole | 17.677 | 167 | 489891 | 29.916 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.230 | 149 | 577992 | 31.456 ng/ul | 99 |
| 80) Fluoranthene | 19.318 | 202 | 639932 | 30.148 ng/ul | 98 |
| 82) Pyrene | 19.683 | 202 | 667062 | 30.018 ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.571 | 149 | 268213 | 31.509 ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.354 | 252 | 185116 | 25.277 ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.418 | 228 | 624935 | 29.520 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.336 | 149 | 386930 | 31.628 ng/ul | 99 |
| 87) Chrysene | 21.471 | 228 | 621906 | 29.890 ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.236 | 149 | 668910 | 29.595 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.053 | 252 | 658347 | 31.170 ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.101 | 252 | 581562 | 29.738 ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.653 | 252 | 617299 | 30.460 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.130 | 276 | 641894 | 29.124 ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.141 | 278 | 560025 | 29.211 ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 26.859 | 276 | 545655 | 29.026 ng/ul | 98 |

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