

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
 Data File : BM042840.D  
 Acq On : 17 Nov 2023 12:35  
 Operator : MA/JU  
 Sample : 05268-04  
 Misc :  
 ALS Vial : 82 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCKC2

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/17/2023  
 Supervised By :mohammad ahmed 11/19/2023

Quant Time: Nov 17 14:23:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM111323.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 15 22:28:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 30574    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.633 | 136  | 117239   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.474 | 164  | 74443    | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.227 | 188  | 168161   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.415 | 240  | 171171   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.774 | 264  | 217881   | 20.000 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 2426     | 2.490  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.622  | 84   | 14412    | 5.946  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.992  | 99   | 11184    | 3.759  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.169  | 67   | 61178    | 29.259 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.345  | 132  | 42636    | 18.570 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.545  | 113  | 24501    | 10.457 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.022  | 128  | 28769m   | 27.988 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.733  | 143  | 29798    | 24.781 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.257 | 165  | 49319    | 22.058 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.810 | 131  | 48942    | 17.240 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.898 | 166  | 220888   | 31.352 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.174 | 160  | 228498   | 30.311 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.786 | 143  | 1312m    | 1.648  | ng/u1  | 0.05     |
| 60) Fluorene-d10              | 15.468 | 176  | 190209   | 32.602 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.621 | 200  | 27192    | 21.348 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.327 | 188  | 314396   | 33.361 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.627 | 212  | 420978   | 37.557 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.621 | 264  | 448074   | 34.381 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 43) 1,1'-Biphenyl             | 13.321 | 154  | 14555    | 2.344  | ng/u1  | 98       |
| 56) Dibenzofuran              | 14.886 | 168  | 26790    | 3.379  | ng/u1  | 99       |
| 61) Fluorene                  | 15.527 | 166  | 7593     | 1.128  | ng/u1  | 96       |
| 71) Pentachlorophenol         | 16.868 | 266  | 4588     | 2.912  | ng/u1  | 95       |
| 77) Carbazole                 | 17.668 | 167  | 23607    | 2.706  | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

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

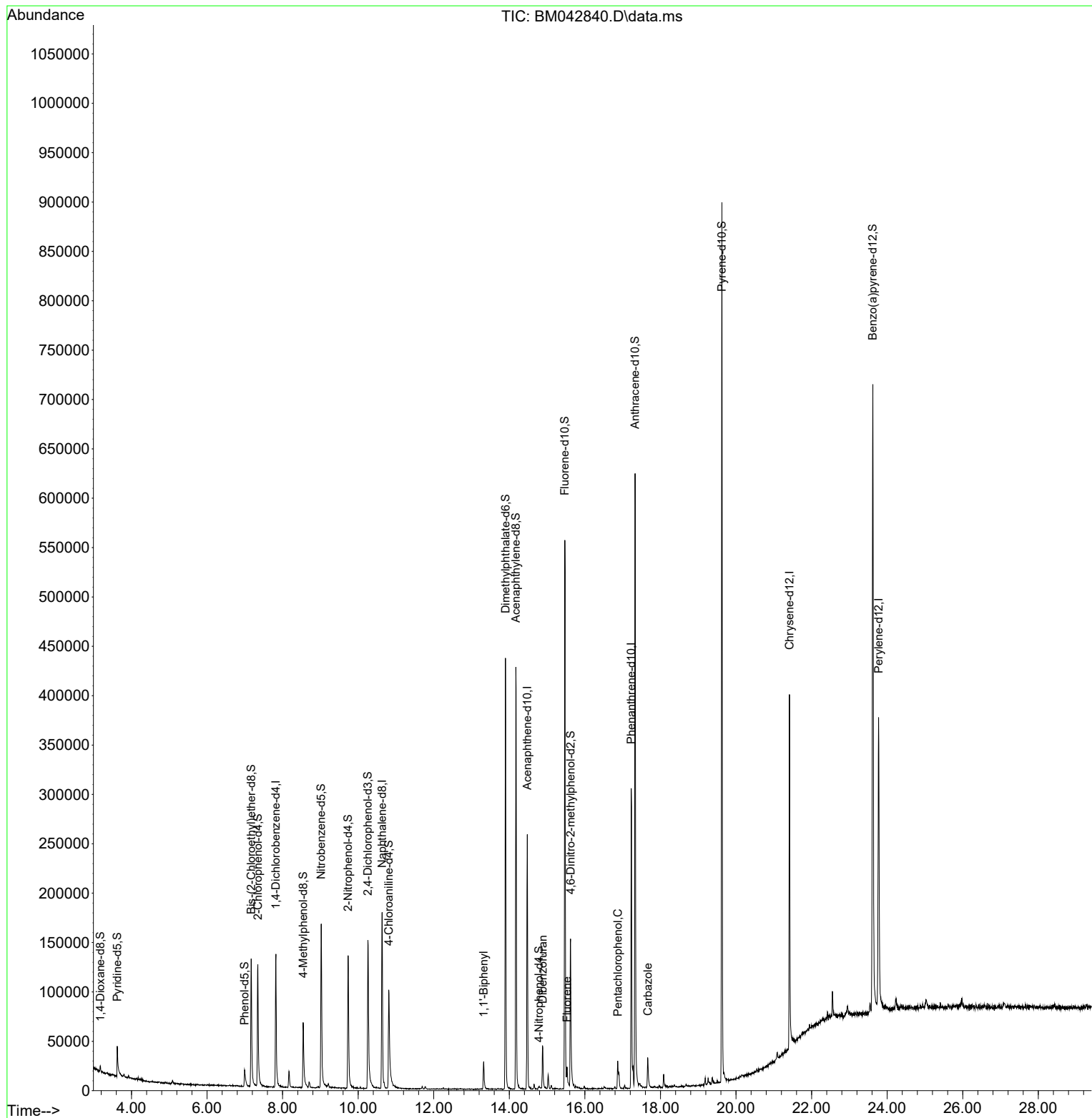
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111323\  
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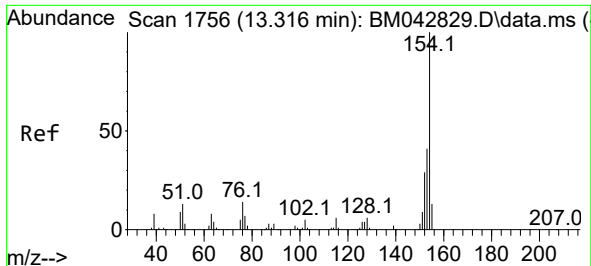
Instrument :  
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ClientSampleId :  
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Quant Time: Nov 17 14:23:57 2023  
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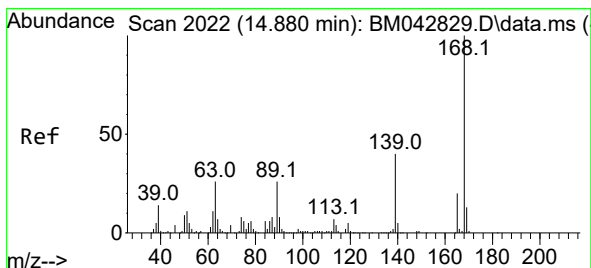
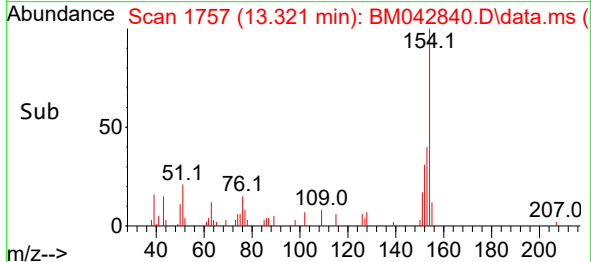
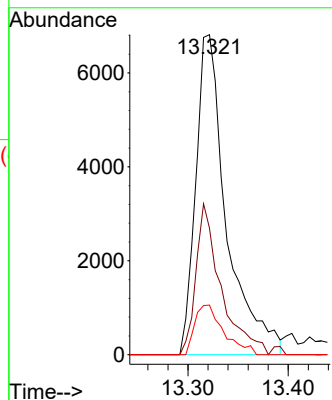
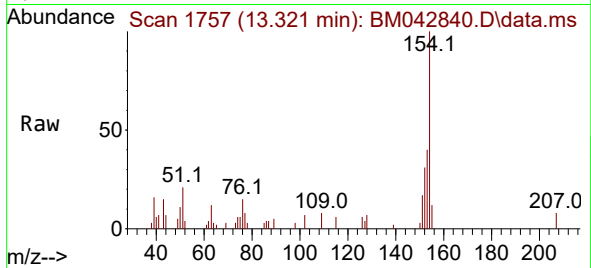
#43  
1,1'-Biphenyl  
Concen: 2.344 ng/ul  
RT: 13.321 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BM042840.D  
Acq: 17 Nov 2023 12:35

Instrument :  
BNA\_M  
ClientSampleId :  
DCKC2

Tgt Ion:154 Resp: 1455  
Ion Ratio Lower Upper  
154 100  
153 39.5 32.4 48.6  
76 15.5 10.7 16.1

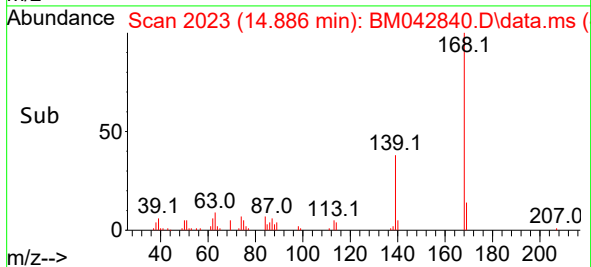
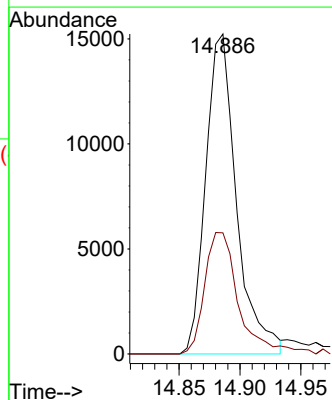
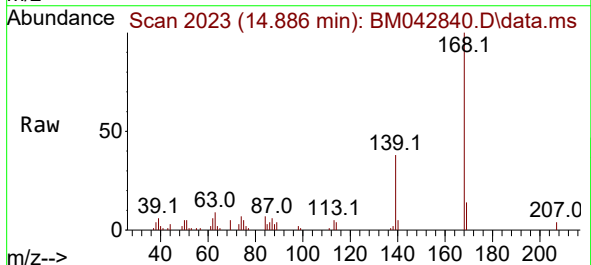
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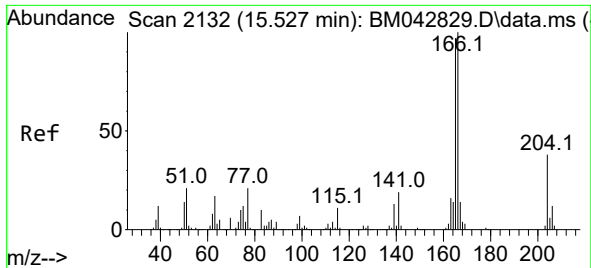
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#56  
Dibenzofuran  
Concen: 3.379 ng/ul  
RT: 14.886 min Scan# 2023  
Delta R.T. -0.000 min  
Lab File: BM042840.D  
Acq: 17 Nov 2023 12:35

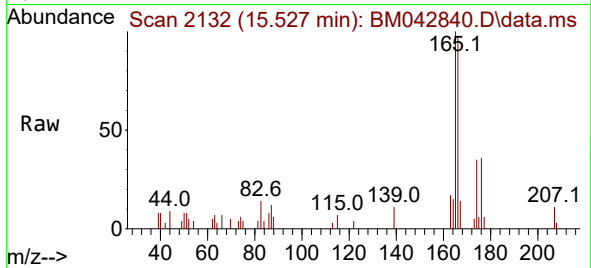
Tgt Ion:168 Resp: 26790  
Ion Ratio Lower Upper  
168 100  
139 37.8 30.8 46.2





#61  
Fluorene  
Concen: 1.128 ng/ul  
RT: 15.527 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BM042840.D  
Acq: 17 Nov 2023 12:35

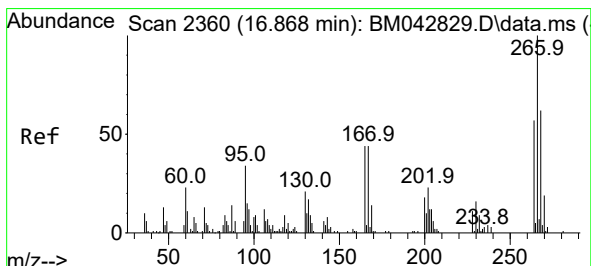
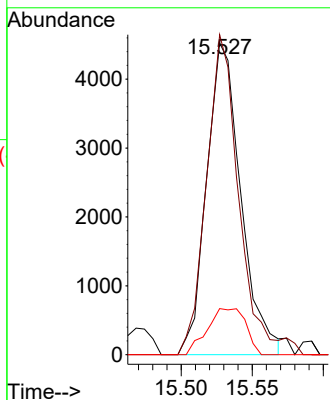
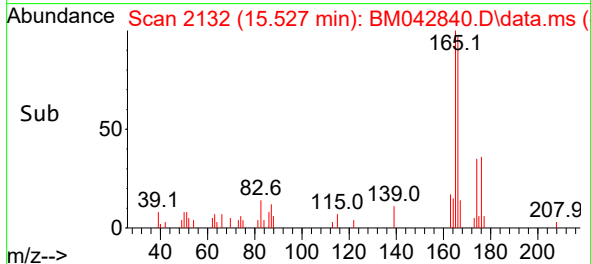
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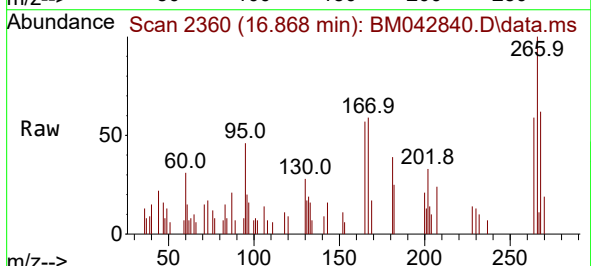
Tgt Ion:166 Resp: 759  
Ion Ratio Lower Upper  
166 100  
165 102.6 79.3 118.9  
167 14.8 10.6 15.8

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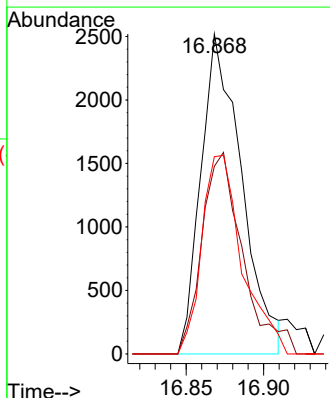
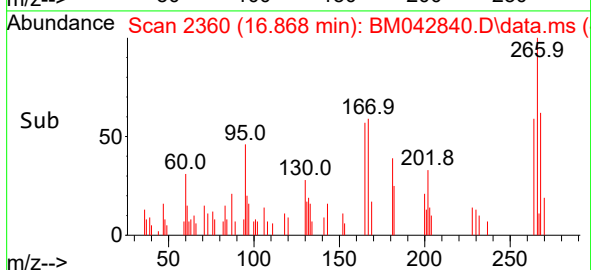
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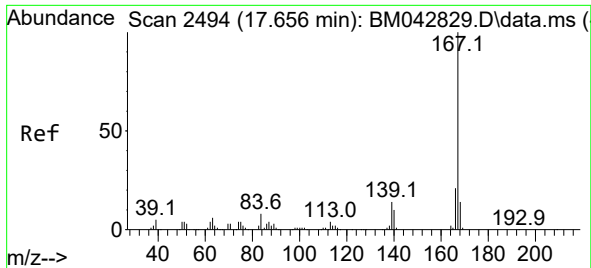


#71  
Pentachlorophenol  
Concen: 2.912 ng/ul  
RT: 16.868 min Scan# 2360  
Delta R.T. -0.006 min  
Lab File: BM042840.D  
Acq: 17 Nov 2023 12:35



Tgt Ion:266 Resp: 4588  
Ion Ratio Lower Upper  
266 100  
264 58.7 50.3 75.5  
268 61.7 52.1 78.1





#77

Carbazole

Concen: 2.706 ng/ul

RT: 17.668 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM042840.D

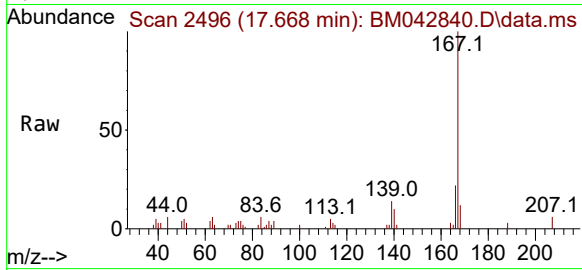
Acq: 17 Nov 2023 12:35

Instrument :

BNA\_M

ClientSampleId :

DCKC2



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 167   | Resp: | 2360 |
| Ion Ratio | Lower | Upper |      |
| 167       | 100   |       |      |
| 166       | 22.0  | 17.2  | 25.8 |
| 139       | 14.1  | 10.8  | 16.2 |

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