LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.193 | 14 | 18 | 25 | rVB | 41804 | 73868 | 1.91% | 0.328% |
| 2 | 5.143 | 344 | 350 | 357 | rVB | 49632 | 79280 | 2.05% | 0.352% |
| 3 | 5.602 | 422 | 428 | 439 | rBV | 493818 | 823031 | 21.31% | 3.657% |
| 4 | 7.200 | 692 | 700 | 714 | rBV2 | 320233 | 566705 | 14.68% | 2.518% |
| 5 | 7.576 | 754 | 764 | 778 | rBV | 897469 | 1576591 | 40.83% | 7.006% |
| 6 | 8.046 | 836 | 844 | 855 | rBV | 224861 | 405589 | 10.50% | 1.802% |
| 7 | 8.369 | 891 | 899 | 913 | rBV | 815700 | 1412738 | 36.58% | 6.278% |
| 8 | 9.221 | 1035 | 1044 | 1054 | rBV | 645570 | 1198806 | 31.04% | 5.327% |
| 9 | 10.860 | 1315 | 1323 | 1336 | rVB | 286581 | 543875 | 14.08% | 2.417% |
| 10 | 11.225 | 1377 | 1385 | 1392 | rBV2 | 33286 | 70778 | 1.83% | 0.315% |
| 11 | 11.471 | 1420 | 1427 | 1433 | rBV | 48978 | 97265 | 2.52% | 0.432% |
| 12 | 11.924 | 1492 | 1504 | 1513 | rBV6 | 11902 | 43041 | 1.11% | 0.191% |
| 13 | 13.299 | 1731 | 1738 | 1747 | rBV | 1700534 | 2637639 | 68.30% | 11.721% |
| 14 | 13.833 | 1823 | 1829 | 1830 | rBV | 38822 | 47345 | 1.23% | 0.210% |
| 15 | 13.998 | 1849 | 1857 | 1865 | rBV2 | 72010 | 142822 | 3.70% | 0.635% |
| 16 | 14.121 | 1874 | 1878 | 1883 | rBV | 30442 | 45070 | 1.17% | 0.200% |
| 17 | 14.679 | 1959 | 1973 | 1979 | rBV2 | 446004 | 754732 | 19.54% | 3.354% |
| 18 | 14.744 | 1979 | 1984 | 1990 | rVV2 | 76682 | 128499 | 3.33% | 0.571% |
| 19 | 14.985 | 2016 | 2025 | 2030 | rBV6 | 15845 | 40110 | 1.04% | 0.178% |
| 20 | 15.073 | 2035 | 2040 | 2045 | rVB3 | 20220 | 39003 | 1.01% | 0.173% |
| 21 | 15.602 | 2125 | 2130 | 2139 | rBV3 | 144957 | 314081 | 8.13% | 1.396% |
| 22 | 15.725 | 2144 | 2151 | 2158 | rVB | 146115 | 246146 | 6.37% | 1.094% |
| 23 | 16.013 | 2195 | 2200 | 2210 | rVB | 43915 | 79925 | 2.07% | 0.355% |
| 24 | 16.166 | 2219 | 2226 | 2234 | rBV | 1341602 | 2086048 | 54.02% | 9.270% |
| 25 | 16.395 | 2260 | 2265 | 2272 | rBV3 | 89865 | 168624 | 4.37% | 0.749% |
| 26 | 16.718 | 2310 | 2320 | 2325 | rBV5 | 49387 | 113510 | 2.94% | 0.504% |
| 27 | 17.370 | 2427 | 2431 | 2434 | rBV2 | 34308 | 39874 | 1.03% | 0.177% |
| 28 | 17.423 | 2434 | 2440 | 2444 | rVV | 614359 | 921396 | 23.86% | 4.095% |
| 29 | 17.464 | 2444 | 2447 | 2455 | rVV | 256020 | 381028 | 9.87% | 1.693% |
| 30 | 17.552 | 2458 | 2462 | 2469 | rVV | 68310 | 105395 | 2.73% | 0.468% |
| 31 | 17.829 | 2503 | 2509 | 2517 | rVB2 | 64862 | 119670 | 3.10% | 0.532% |
| 32 | 18.087 | 2548 | 2553 | 2558 | rBV5 | 27650 | 51596 | 1.34% | 0.229% |
| 33 | 18.281 | 2582 | 2586 | 2593 | rBV3 | 48936 | 105216 | 2.72% | 0.468% |
| 34 | 18.346 | 2593 | 2597 | 2603 | rVB3 | 37994 | 61923 | 1.60% | 0.275% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 18.493 | 2615 | 2622 | 2633 | rVB3 | 52069 | 115307 | 2.99% | 0.512% |
| 36 | 18.669 | 2649 | 2652 | 2659 | rVB2 | 39488 | 51841 | 1.34% | 0.230% |
| 37 | 18.786 | 2668 | 2672 | 2676 | rVB5 | 33429 | 47291 | 1.22% | 0.210% |
| 38 | 19.468 | 2783 | 2788 | 2795 | rBV | 122089 | 192773 | 4.99% | 0.857% |
| 39 | 19.832 | 2847 | 2850 | 2855 | rVB | 78749 | 108485 | 2.81% | 0.482% |
| 40 | 20.026 | 2877 | 2883 | 2889 | rBV | 3032939 | 3861698 | 100.00% | 17.161% |
| 41 | 21.301 | 3097 | 3100 | 3108 | rVB7 | 32634 | 62819 | 1.63% | 0.279% |
| 42 | 21.695 | 3161 | 3167 | 3179 | rVB2 | 694856 | 1166806 | 30.21% | 5.185% |
| 43 | 23.140 | 3409 | 3413 | 3418 | rVB2 | 44634 | 73131 | 1.89% | 0.325% |
| 44 | 23.340 | 3442 | 3447 | 3453 | rVB3 | 20098 | 42055 | 1.09% | 0.187% |
| 45 | 23.951 | 3547 | 3551 | 3556 | rVB2 | 44040 | 76505 | 1.98% | 0.340% |
| 46 | 24.903 | 3709 | 3713 | 3715 | rBV4 | 22629 | 40106 | 1.04% | 0.178% |
| 47 | 24.973 | 3716 | 3725 | 3735 | rVB3 | 387151 | 1142922 | 29.60% | 5.079% |

Sum of corrected areas: 22502958

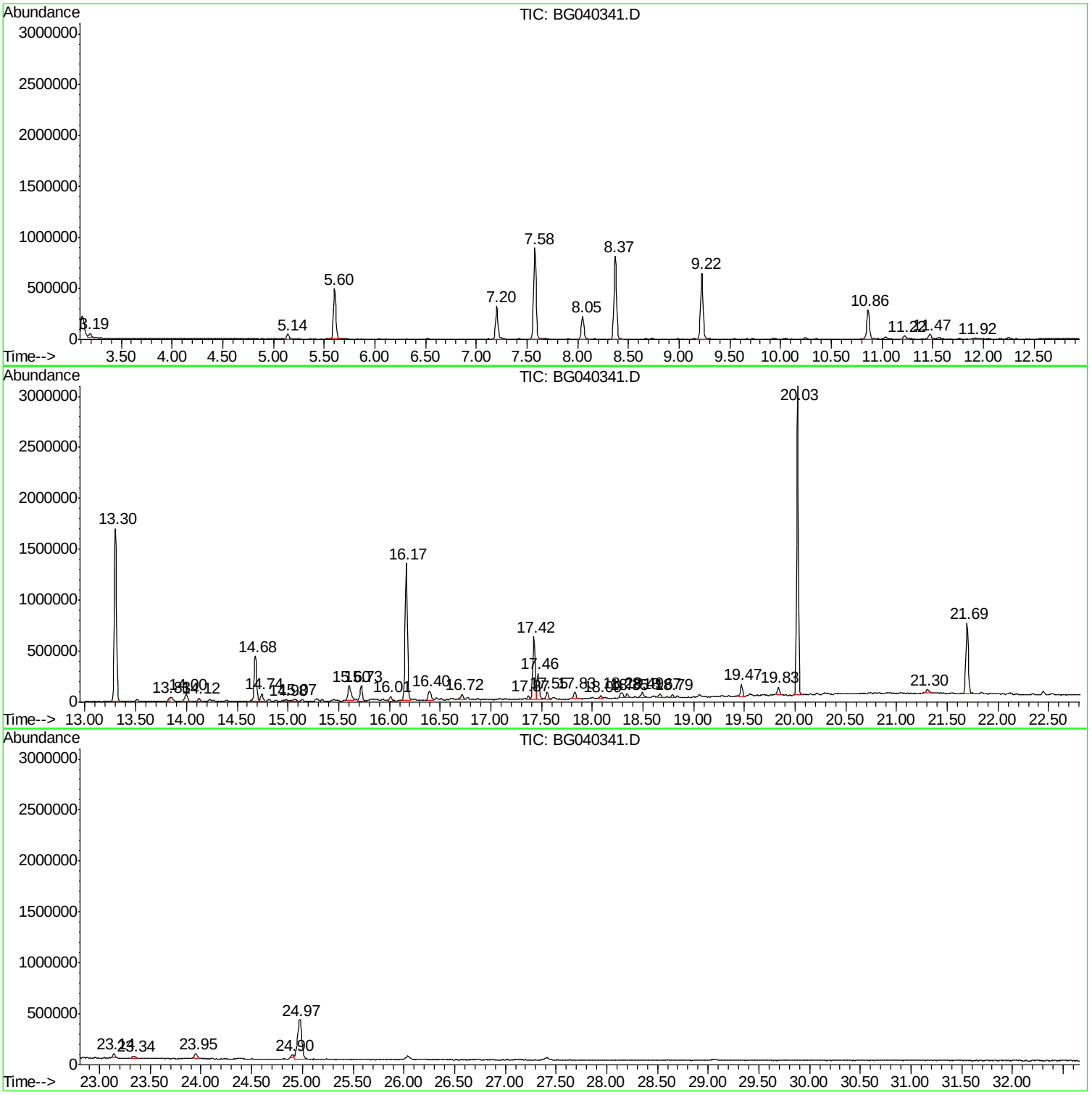
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

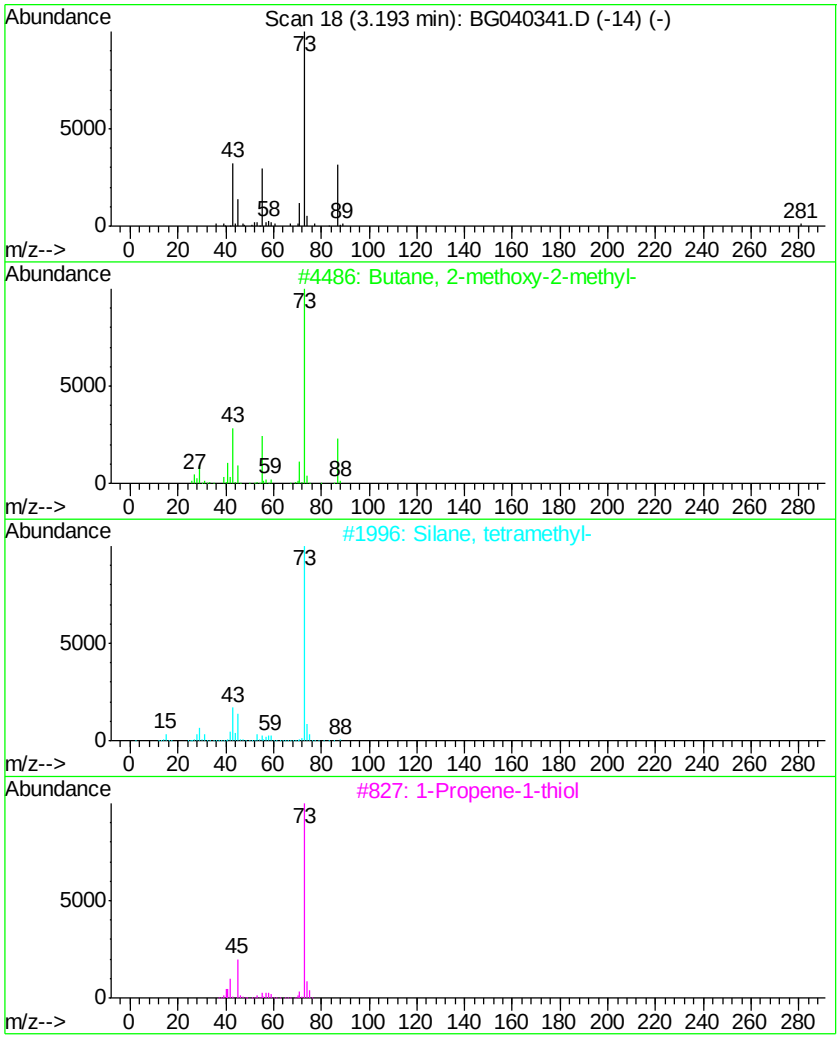
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

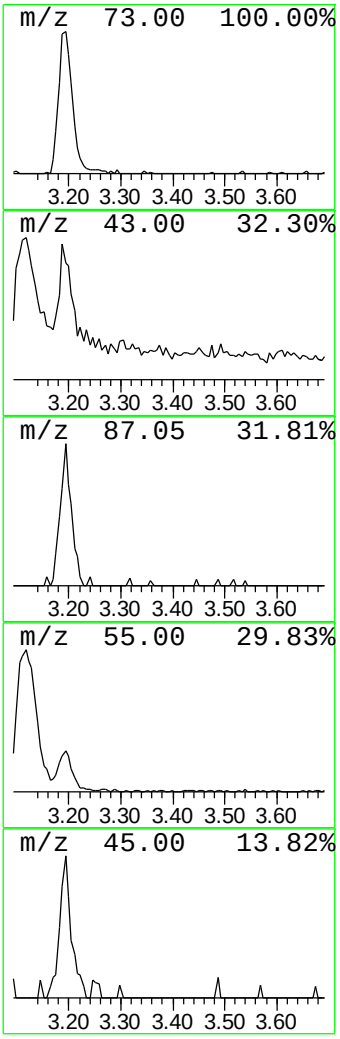
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.19 | 3.64 ng | 73868 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 50 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 10 |
| 3 | 1-Propene-1-thiol | 74 | C3H6S | 000925-89-3 | 9 |
| 4 | Acetamide, N-(2-hydroxy-3-penten... | 143 | C7H13NO2 | 093393-95-4 | 9 |
| 5 | .alpha.-D-Mannofuranoside, 1-O-h... | 278 | C13H26O6 | 111570-47-9 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

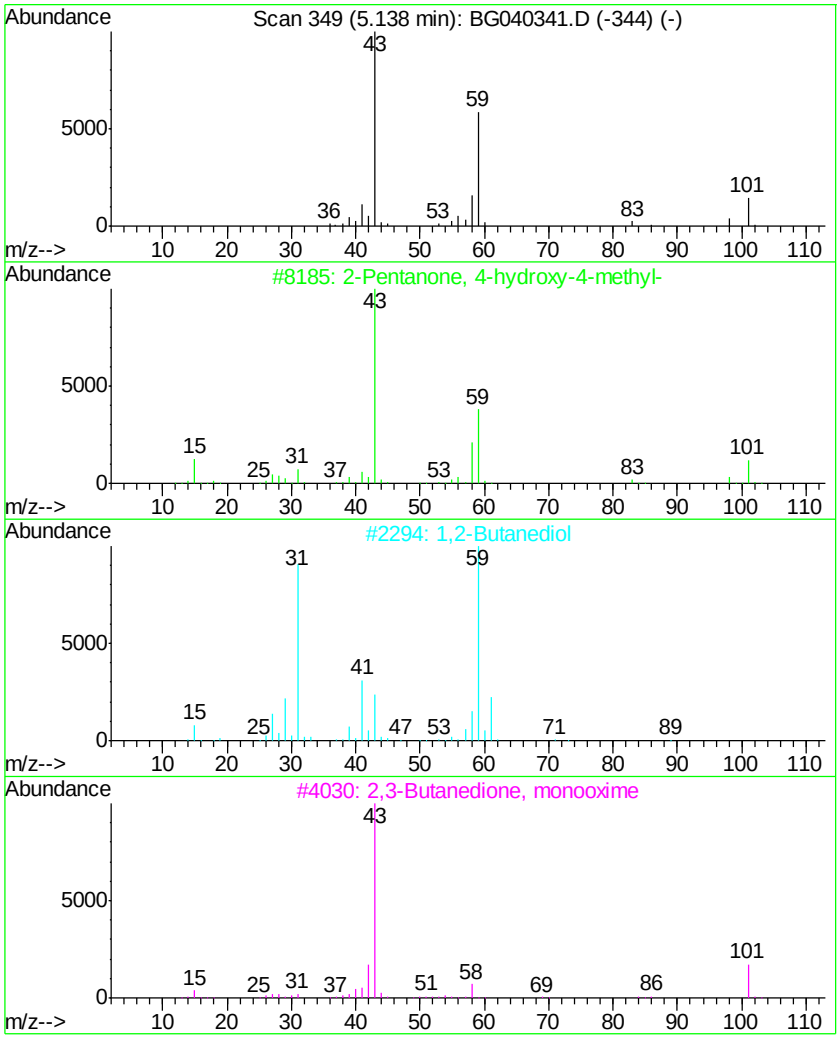
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

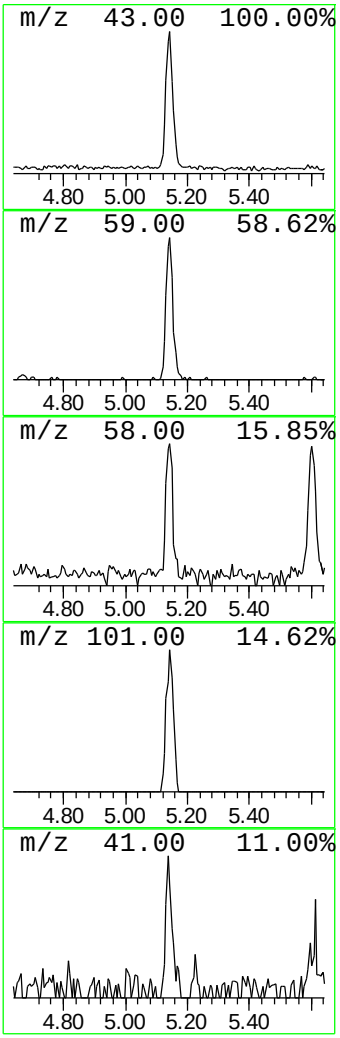
**********

Peak Number 2 unknown5.14 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.14 | 3.91 ng | 79280 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 2 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 28 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 16 |
| 4 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 9 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

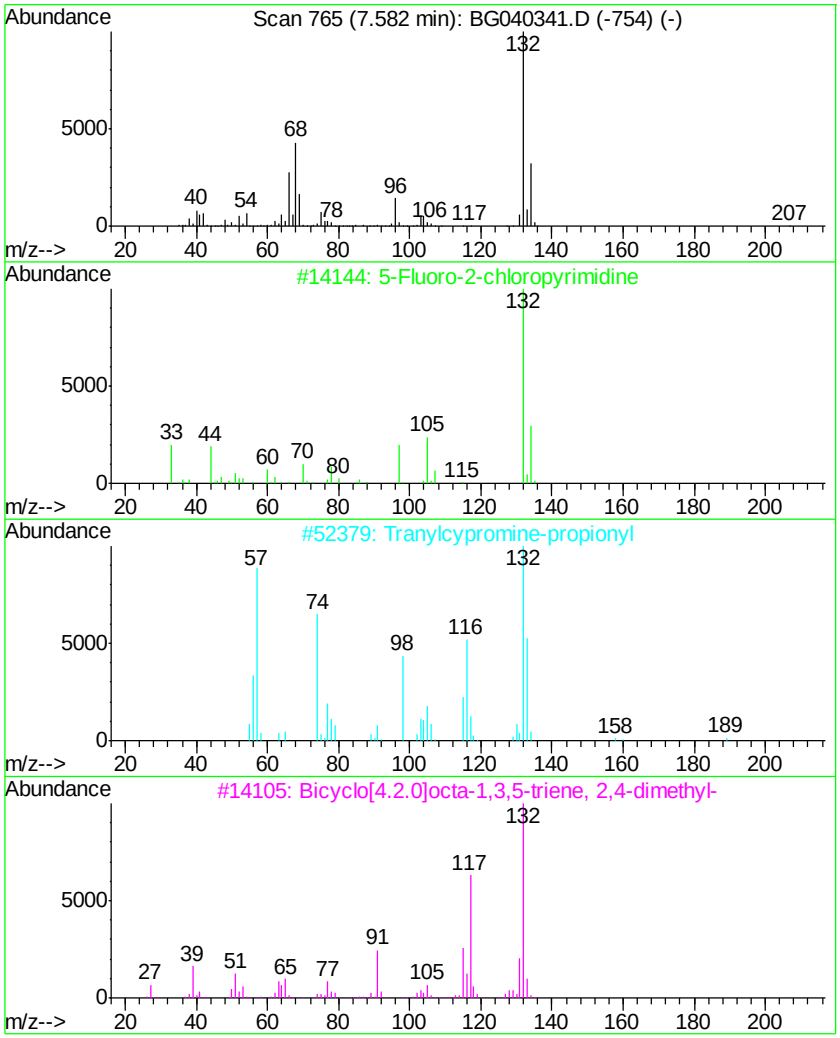
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

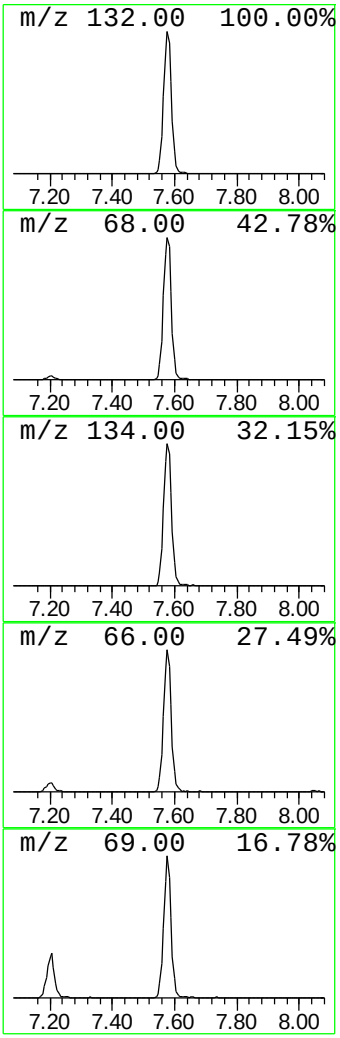
**********

Peak Number 3 unknown7.58 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.58 | 77.74 ng | 1576590 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

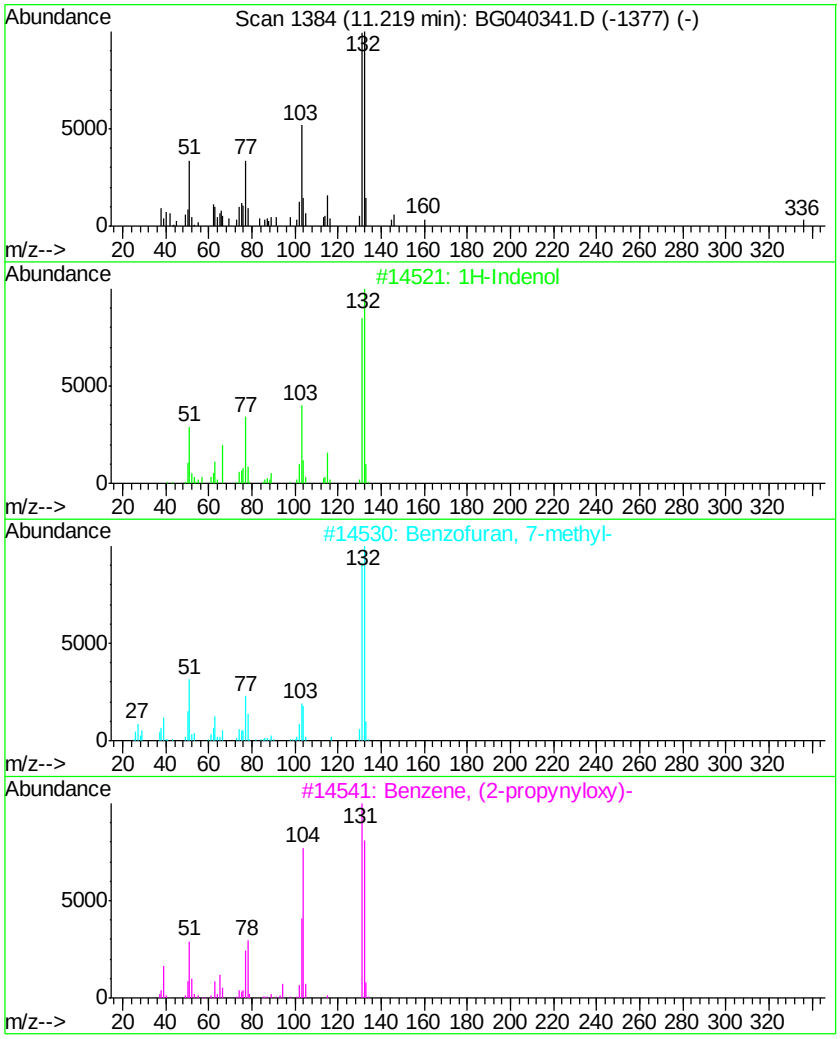
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

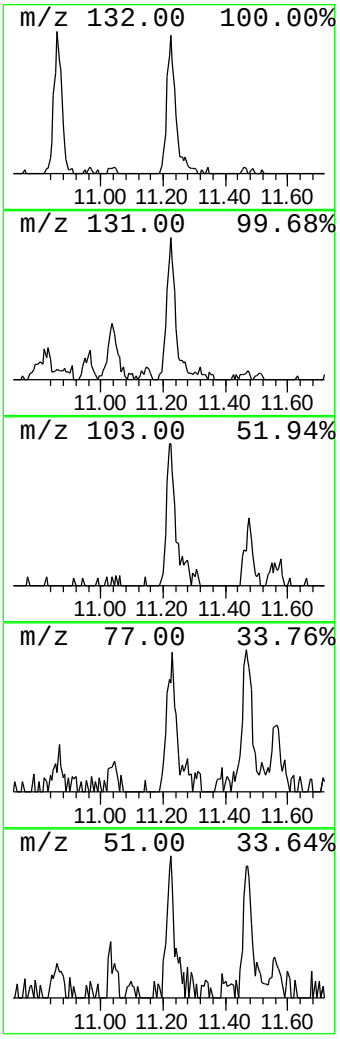
**********

Peak Number 5 1H-Indenol Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.22 | 2.60 ng | 70778 | Naphthalene-d8 | 10.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indenol | 132 | C9H8O | 056631-57-3 | 94 |
| 2 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 89 |
| 3 | Benzene, (2-propynyloxy)- | 132 | C9H8O | 013610-02-1 | 87 |
| 4 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 87 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |



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Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

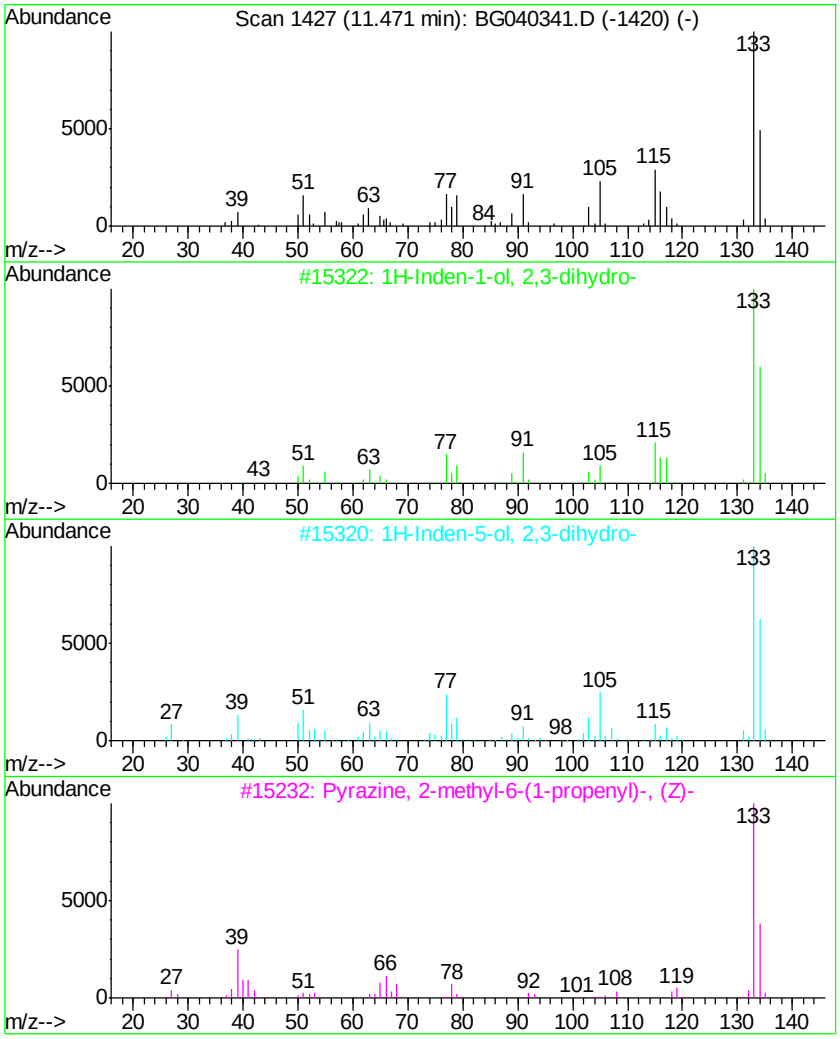
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

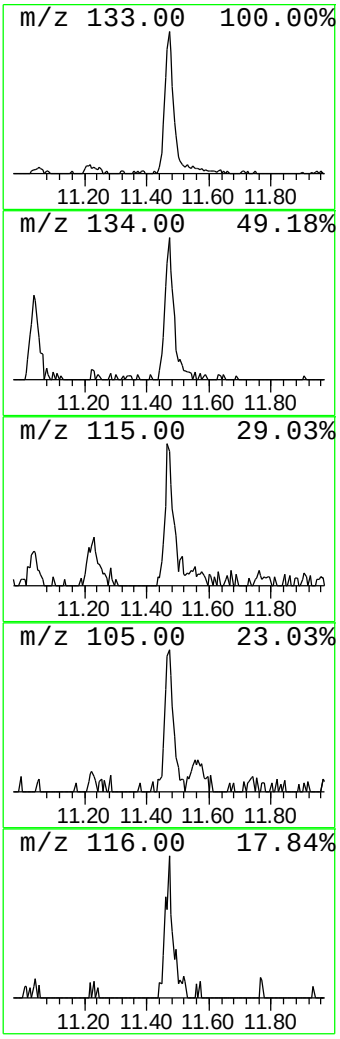
**********

Peak Number 6 1H-Inden-1-ol, 2,3-dihydro- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.47 | 3.58 ng | 97265 | Naphthalene-d8 | 10.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-ol, 2,3-dihydro- | 134 | C9H10O | 006351-10-6 | 81 |
| 2 | 1H-Inden-5-ol, 2,3-dihydro- | 134 | C9H10O | 001470-94-6 | 55 |
| 3 | Pyrazine, 2-methyl-6-(1-propenyl... | 134 | C8H10N2 | 055138-67-5 | 49 |
| 4 | Pyrazine, 2-methyl-5-(1-propenyl... | 134 | C8H10N2 | 055138-66-4 | 47 |
| 5 | Pyrazine, 2-methyl-5-(1-propenyl... | 134 | C8H10N2 | 018217-82-8 | 47 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

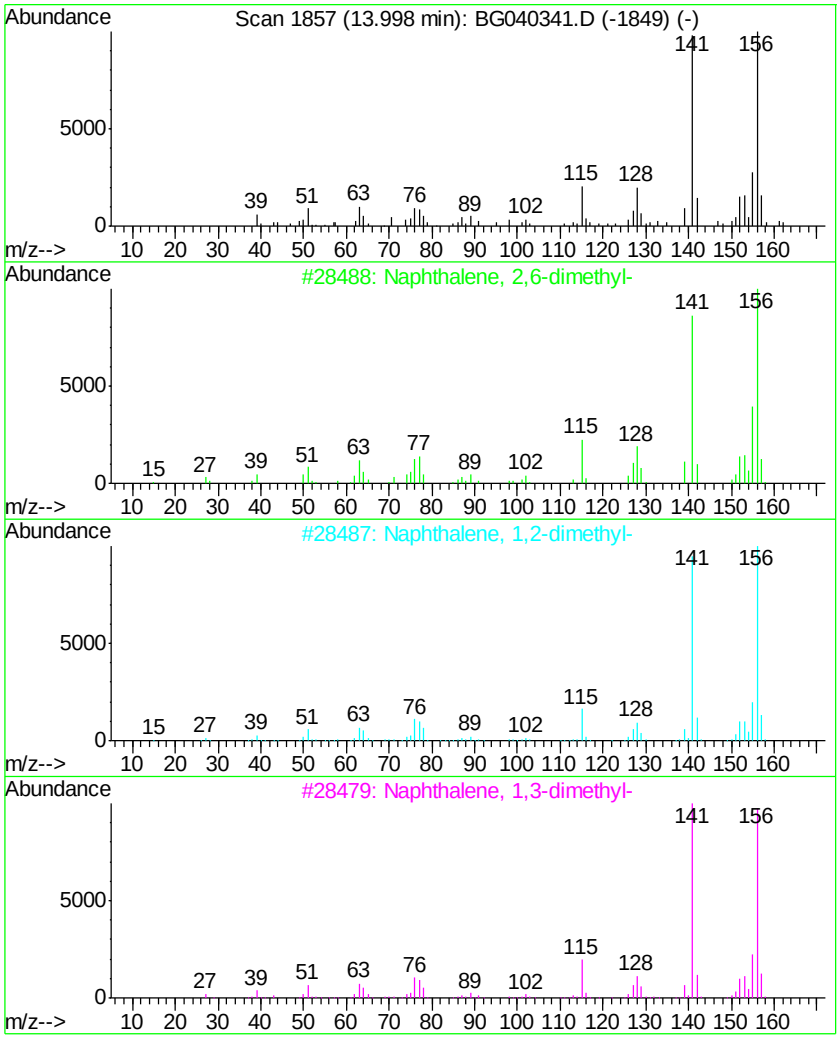
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

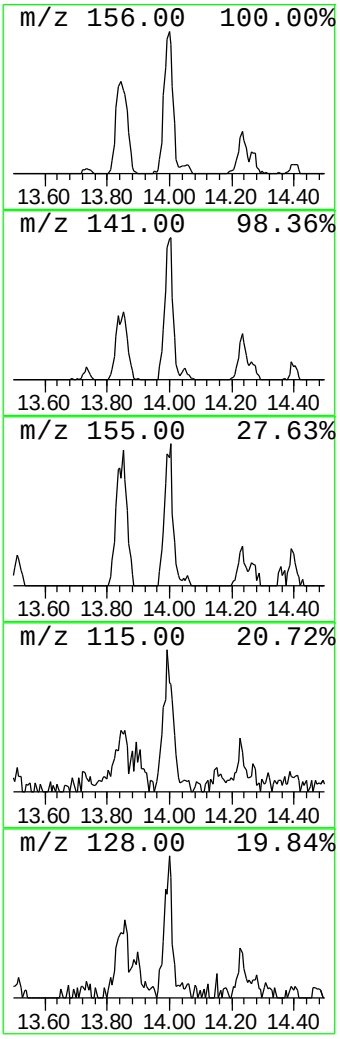
**********

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.00 | 3.78 ng | 142822 | Acenaphthene-d10 | 14.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 2 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 96 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 95 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |



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Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

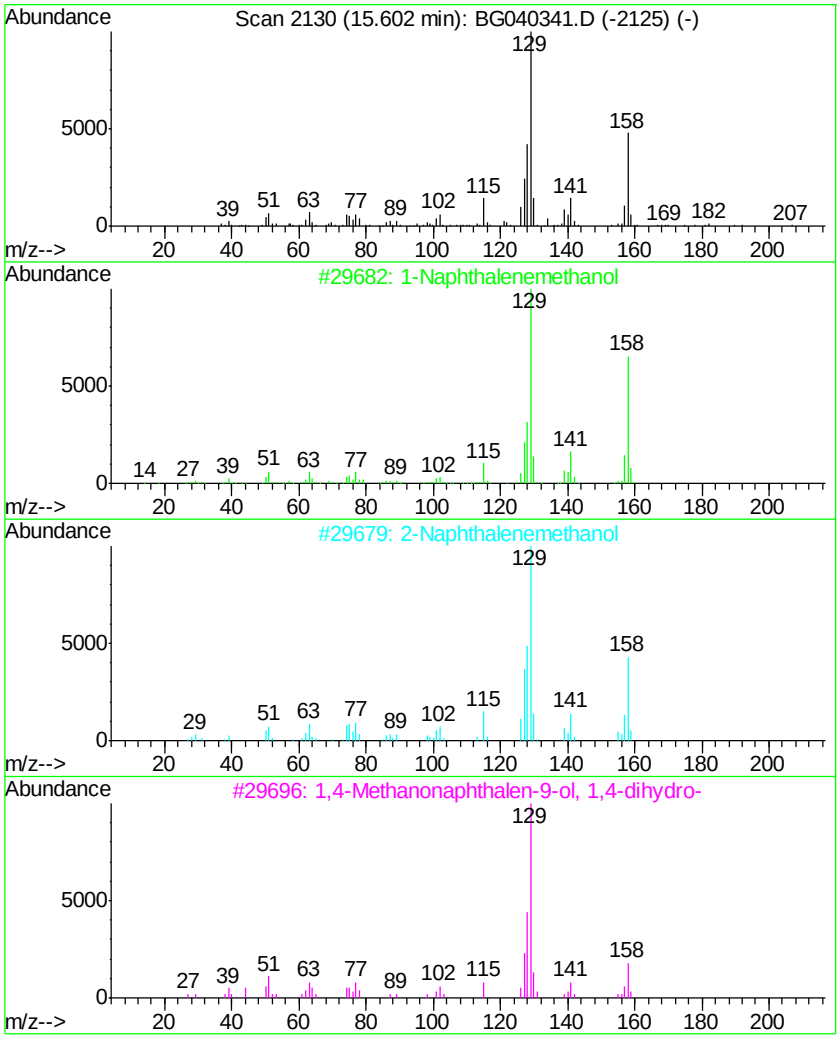
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

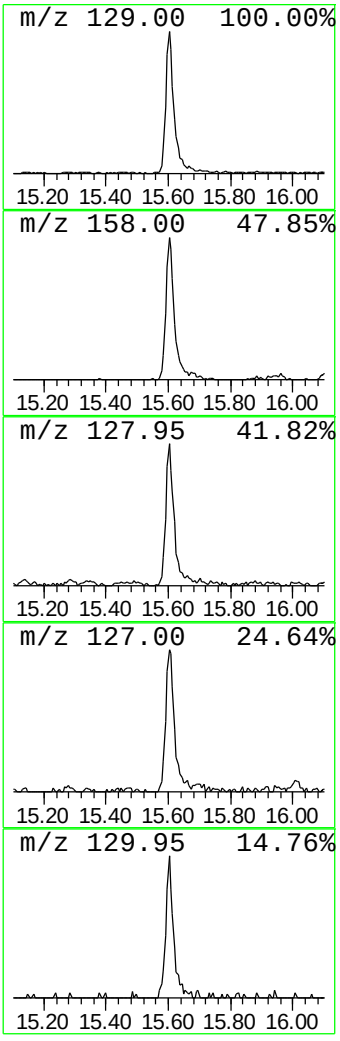
**********

Peak Number 8 1-Naphthalenemethanol Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.60 | 8.32 ng | 314081 | Acenaphthene-d10 | 14.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Naphthalenemethanol | 158 | C11H10O | 004780-79-4 | 97 |
| 2 | 2-Naphthalenemethanol | 158 | C11H10O | 001592-38-7 | 91 |
| 3 | 1,4-Methanonaphthalen-9-ol, 1,4-... | 158 | C11H10O | 004796-33-2 | 86 |
| 4 | Benzene, 1,3-hexadienyl- | 158 | C12H14 | 041635-77-2 | 83 |
| 5 | 1,4-Ethanonaphthalene, 1,2,3,4-t... | 158 | C12H14 | 004175-52-4 | 50 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

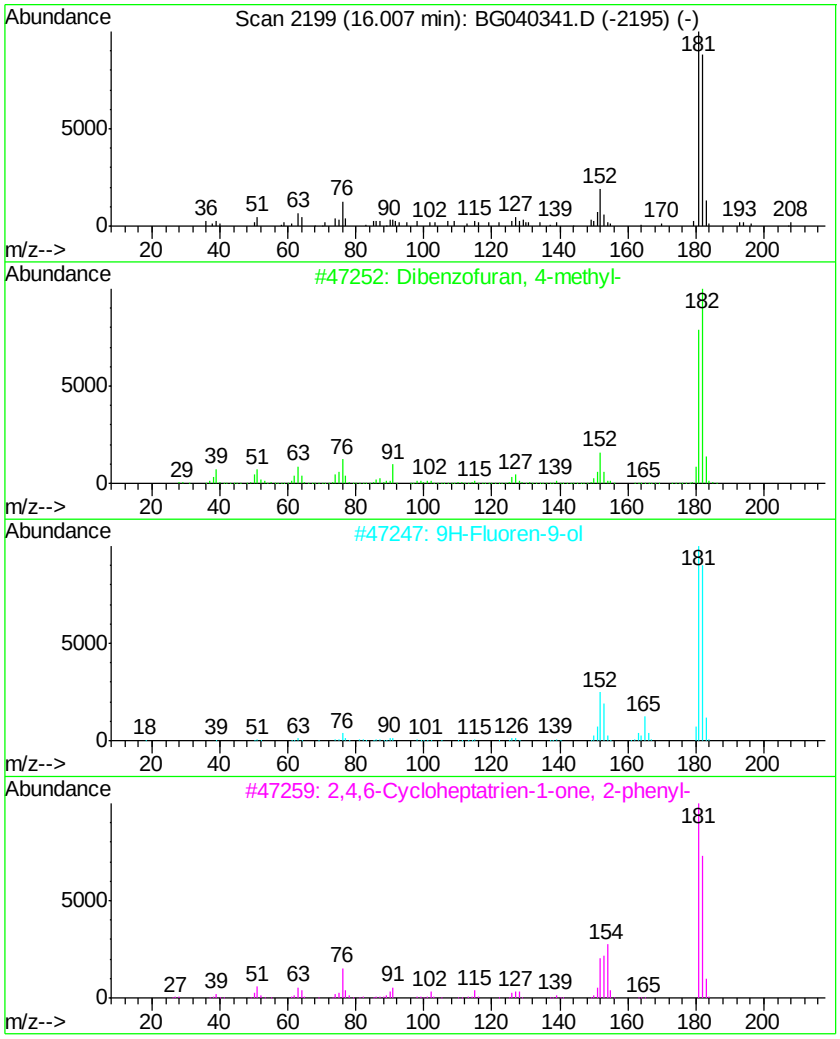
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

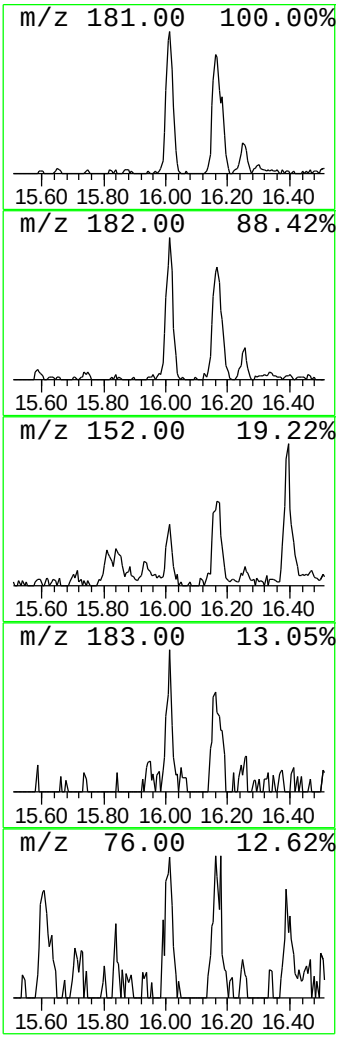
**********

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.01 | 2.12 ng | 79925 | Acenaphthene-d10 | 14.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 91 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 87 |
| 3 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 80 |
| 5 | Norharmane, N-methyl- | 182 | C12H10N2 | 1000374-78-6 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

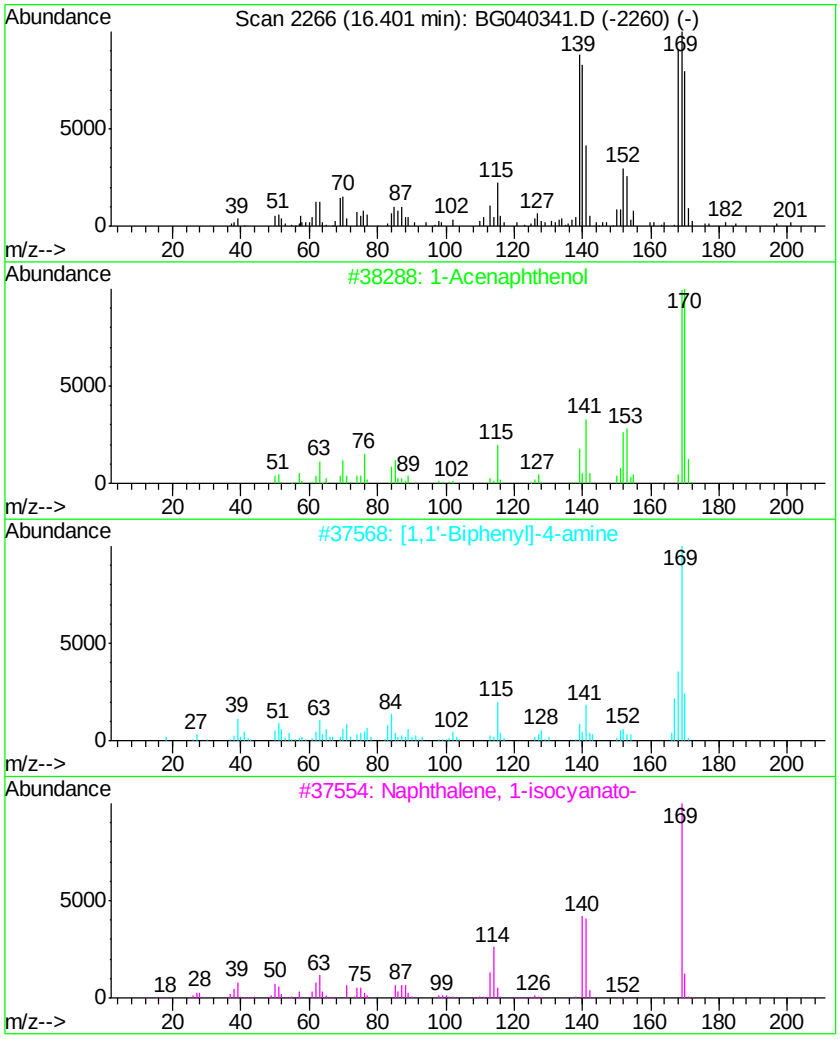
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

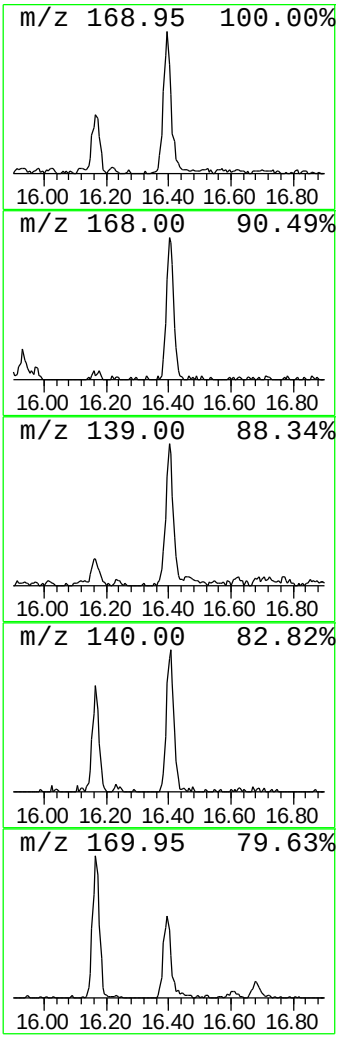
**********

Peak Number 10 1-Acenaphthenol Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.40 | 3.66 ng | 168624 | Phenanthrene-d10 | 17.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Acenaphthenol | 170 | C12H10O | 006306-07-6 | 92 |
| 2 | [1,1'-Biphenyl]-4-amine | 169 | C12H11N | 000092-67-1 | 43 |
| 3 | Naphthalene, 1-isocyanato- | 169 | C11H7NO | 000086-84-0 | 41 |
| 4 | 5-Hydroxy-1-naphthalenecarbonitrile | 169 | C11H7NO | 1000326-74-6 | 38 |
| 5 | 7-Hydroxy-2-naphthalenecarbonitrile | 169 | C11H7NO | 1000326-75-0 | 27 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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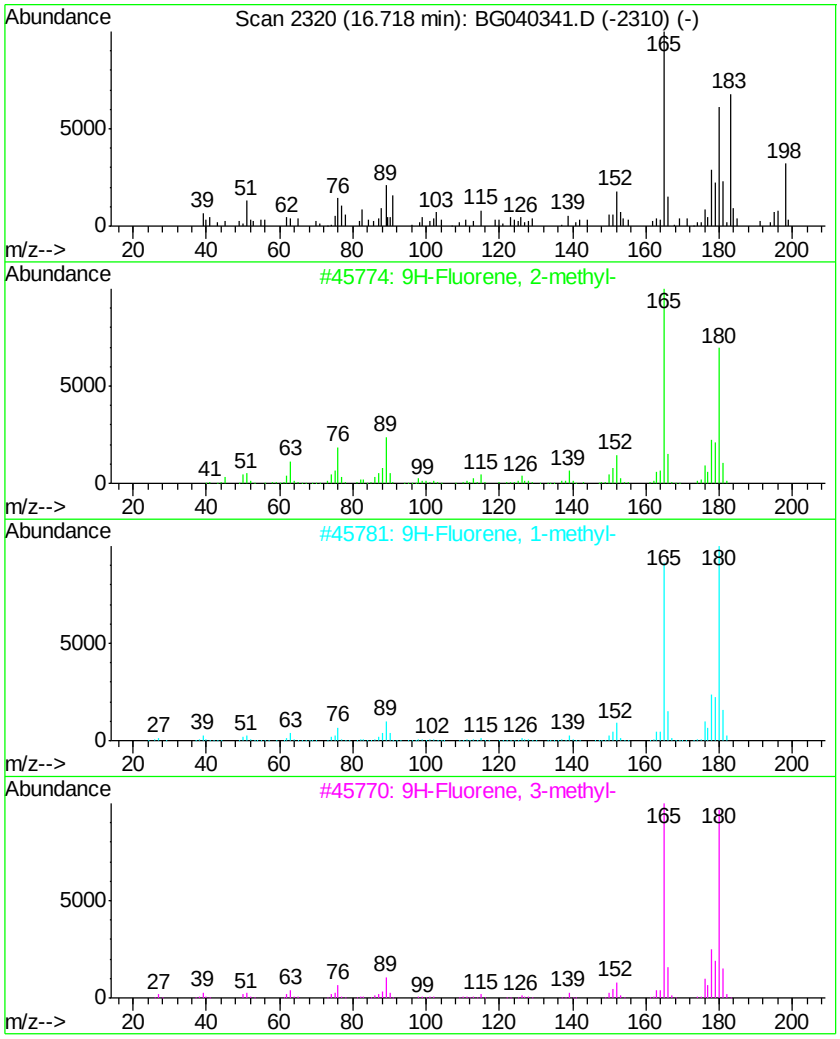
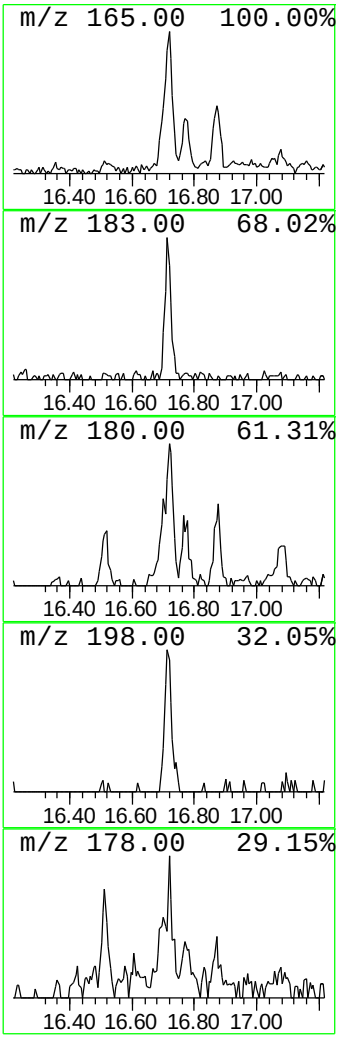
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.72 | 2.46 ng | 113510 | Phenanthrene-d10 | 17.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 78 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 55 |
| 3 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 55 |
| 4 | 3H-Benz[e]indene, 2-methyl- | 180 | C14H12 | 150096-60-9 | 50 |
| 5 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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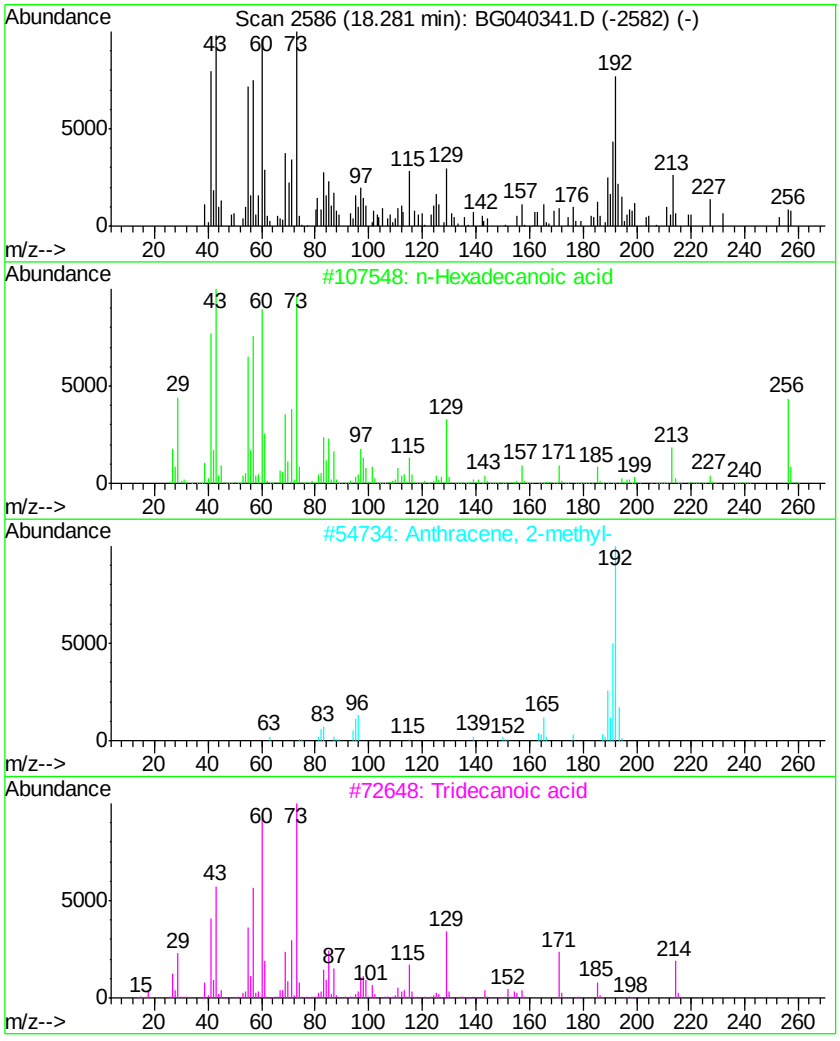
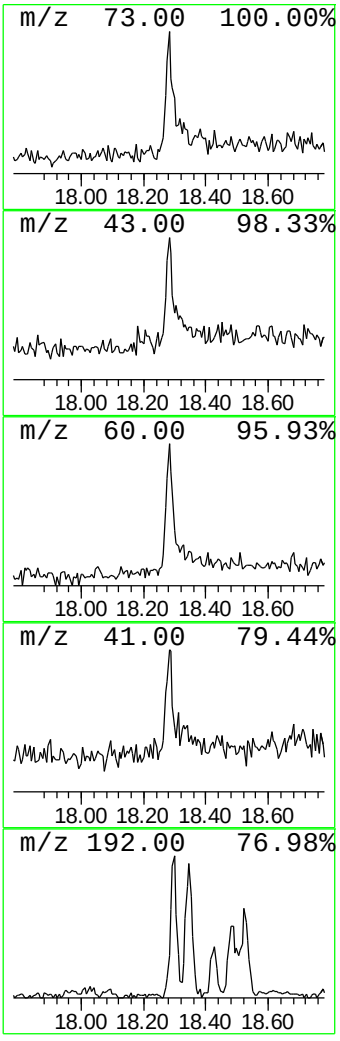
Peak Number 12 unknown18.28 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.28 | 2.28 ng | 105216 | Phenanthrene-d10 | 17.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 46 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 45 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 42 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 38 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

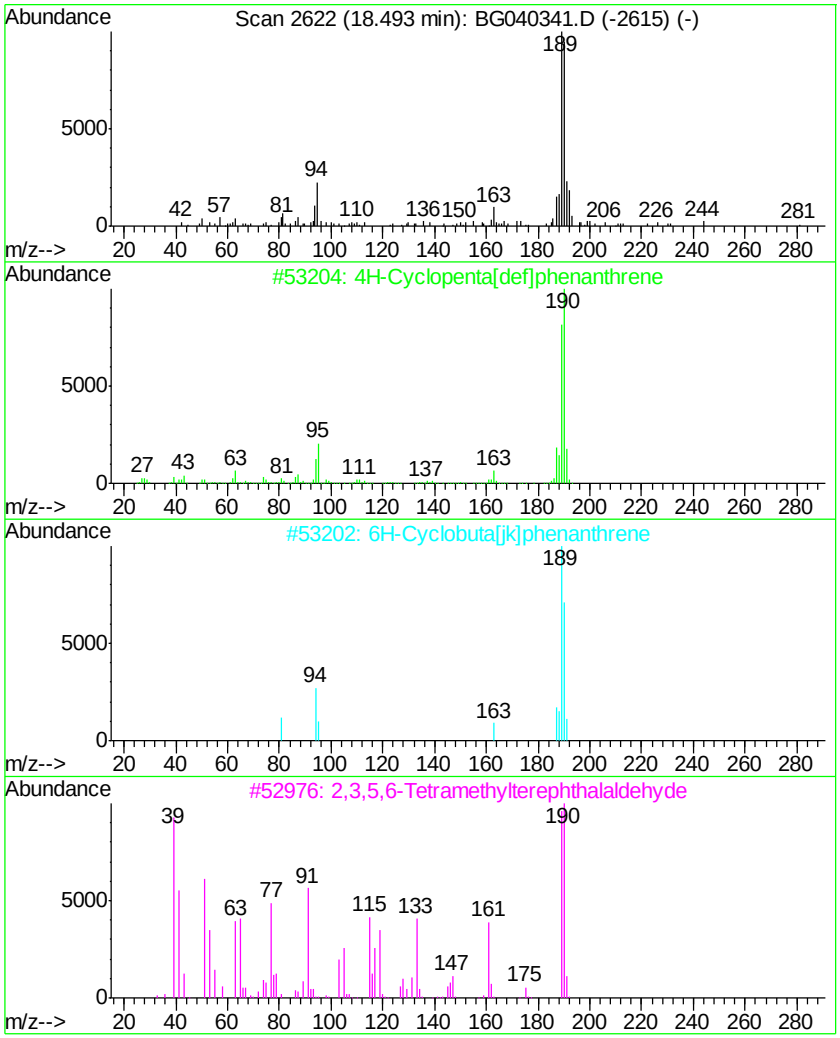
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

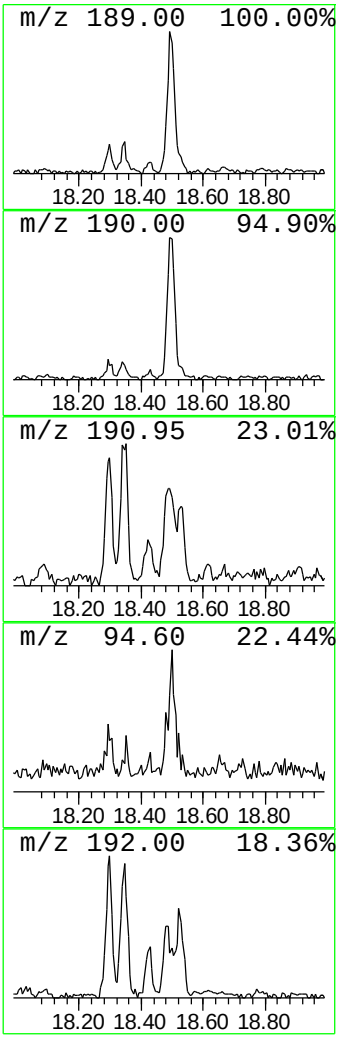
**********

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.49 | 2.50 ng | 115307 | Phenanthrene-d10 | 17.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 80 |
| 3 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |
| 4 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 38 |
| 5 | Benzimidazol-2(3H)-one, 5-formyl... | 190 | C10H10N2O2 | 055241-49-1 | 33 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040319\
Data File : BG040341.D
Acq On : 4 Apr 2019 1:11
Operator : JU/SJ
Sample : K2176-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** QNWP8-MW24S-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.19 | 3.6 | ng | 73868 | 1 | 8.05 | 405589 | 20.0 |
| unknown5.14 | 5.14 | 3.9 | ng | 79280 | 1 | 8.05 | 405589 | 20.0 |
| unknown7.58 | 7.58 | 77.7 | ng | 1576590 | 1 | 8.05 | 405589 | 20.0 |
| 1H-Indenol | 11.22 | 2.6 | ng | 70778 | 2 | 10.86 | 543875 | 20.0 |
| 1H-Inden-1-ol, 2,... | 11.47 | 3.6 | ng | 97265 | 2 | 10.86 | 543875 | 20.0 |
| Naphthalene, 2,6-... | 14.00 | 3.8 | ng | 142822 | 3 | 14.68 | 754732 | 20.0 |
| 1-Naphthalenemeth... | 15.60 | 8.3 | ng | 314081 | 3 | 14.68 | 754732 | 20.0 |
| Dibenzofuran, 4-m... | 16.01 | 2.1 | ng | 79925 | 3 | 14.68 | 754732 | 20.0 |
| 1-Acenaphthenol | 16.40 | 3.7 | ng | 168624 | 4 | 17.42 | 921396 | 20.0 |
| 9H-Fluorene, 2-me... | 16.72 | 2.5 | ng | 113510 | 4 | 17.42 | 921396 | 20.0 |
| unknown18.28 | 18.28 | 2.3 | ng | 105216 | 4 | 17.42 | 921396 | 20.0 |
| 4H-Cyclopenta[def... | 18.49 | 2.5 | ng | 115307 | 4 | 17.42 | 921396 | 20.0 |