# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042220\
Data File : BG045133.D
Acq On : 22 Apr 2020 19:27
Operator : CG/JU
Sample : L2327-31
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-4-S

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-BG041520.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 | 3.188 | 13 | 17 | 26 | rVB | 77964 | 119530 | 1.94% | 0.326% |
| 2 | 5.584 | 418 | 425 | 434 | rBV | 1338670 | 2243573 | 36.44% | 6.114% |
| 3 | 7.182 | 688 | 697 | 707 | rBV | 1516397 | 2658731 | 43.19% | 7.245% |
| 4 | 8.016 | 831 | 839 | 846 | rBV | 278043 | 499244 | 8.11% | 1.360% |
| 5 | 8.340 | 885 | 894 | 902 | rBV | 1277660 | 2269754 | 36.87% | 6.185% |
| 6 | 9.174 | 1024 | 1036 | 1046 | rBV | 1021152 | 1857274 | 30.17% | 5.061% |
| 7 | 10.819 | 1309 | 1316 | 1324 | rBV | 379626 | 734335 | 11.93% | 2.001% |
| 8 | 13.274 | 1725 | 1734 | 1741 | rBV | 2900729 | 4568426 | 74.20% | 12.449% |
| 9 | 14.096 | 1867 | 1874 | 1885 | rBV | 358167 | 541704 | 8.80% | 1.476% |
| 10 | 14.649 | 1960 | 1968 | 1975 | rBV | 645934 | 1049343 | 17.04% | 2.859% |
| 11 | 16.141 | 2214 | 2222 | 2232 | rBV | 2298154 | 3652935 | 59.33% | 9.954% |
| 12 | 17.392 | 2429 | 2435 | 2440 | rBV | 771536 | 1278664 | 20.77% | 3.484% |
| 13 | 17.439 | 2440 | 2443 | 2450 | rVV | 238467 | 322234 | 5.23% | 0.878% |
| 14 | 18.285 | 2576 | 2587 | 2591 | rBV3 | 77472 | 193019 | 3.14% | 0.526% |
| 15 | 18.320 | 2591 | 2593 | 2598 | rVB | 56939 | 74307 | 1.21% | 0.202% |
| 16 | 18.467 | 2612 | 2618 | 2622 | rBV3 | 62250 | 116442 | 1.89% | 0.317% |
| 17 | 19.184 | 2735 | 2740 | 2745 | rBV2 | 40716 | 70234 | 1.14% | 0.191% |
| 18 | 19.319 | 2759 | 2763 | 2770 | rBV2 | 38558 | 68226 | 1.11% | 0.186% |
| 19 | 19.442 | 2779 | 2784 | 2792 | rVB | 558808 | 812358 | 13.19% | 2.214% |
| 20 | 19.806 | 2836 | 2846 | 2853 | rBV | 496358 | 870856 | 14.15% | 2.373% |
| 21 | 20.006 | 2872 | 2880 | 2886 | rBV | 4454885 | 6156574 | 100.00% | 16.777% |
| 22 | 20.129 | 2896 | 2901 | 2907 | rBV6 | 41283 | 104607 | 1.70% | 0.285% |
| 23 | 20.294 | 2925 | 2929 | 2936 | rVB2 | 70785 | 119706 | 1.94% | 0.326% |
| 24 | 20.458 | 2951 | 2957 | 2961 | rVB2 | 54532 | 95950 | 1.56% | 0.261% |
| 25 | 20.599 | 2976 | 2981 | 2983 | rBV | 43775 | 65139 | 1.06% | 0.178% |
| 26 | 21.052 | 3055 | 3058 | 3065 | rVB | 60955 | 104342 | 1.69% | 0.284% |
| 27 | 21.240 | 3084 | 3090 | 3093 | rBV5 | 42964 | 79312 | 1.29% | 0.216% |
| 28 | 21.316 | 3095 | 3103 | 3111 | rVV4 | 268563 | 632331 | 10.27% | 1.723% |
| 29 | 21.381 | 3112 | 3114 | 3129 | rVB2 | 94856 | 244733 | 3.98% | 0.667% |
| 30 | 21.557 | 3140 | 3144 | 3149 | rVB | 157104 | 217144 | 3.53% | 0.592% |
| 31 | 21.657 | 3153 | 3161 | 3166 | rVV2 | 829215 | 1766165 | 28.69% | 4.813% |
| 32 | 21.704 | 3166 | 3169 | 3178 | rVB | 243170 | 386352 | 6.28% | 1.053% |
| 33 | 23.836 | 3524 | 3532 | 3539 | rBV2 | 181998 | 574800 | 9.34% | 1.566% |
| 34 | 24.547 | 3648 | 3653 | 3664 | rVB3 | 98835 | 279227 | 4.54% | 0.761% |

LSC Area Percent Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-4-S

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-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 24.694 | 3671 | 3678 | 3688 | rVB2 | 140448 | 392070 | 6.37% | 1.068% |
| 36 | 24.847 | 3694 | 3704 | 3713 | rBV2 | 437884 | 1305184 | 21.20% | 3.557% |
| 37 | 28.459 | 4310 | 4319 | 4327 | rBV3 | 52277 | 172642 | 2.80% | 0.470% |

Sum of corrected areas: 36697467

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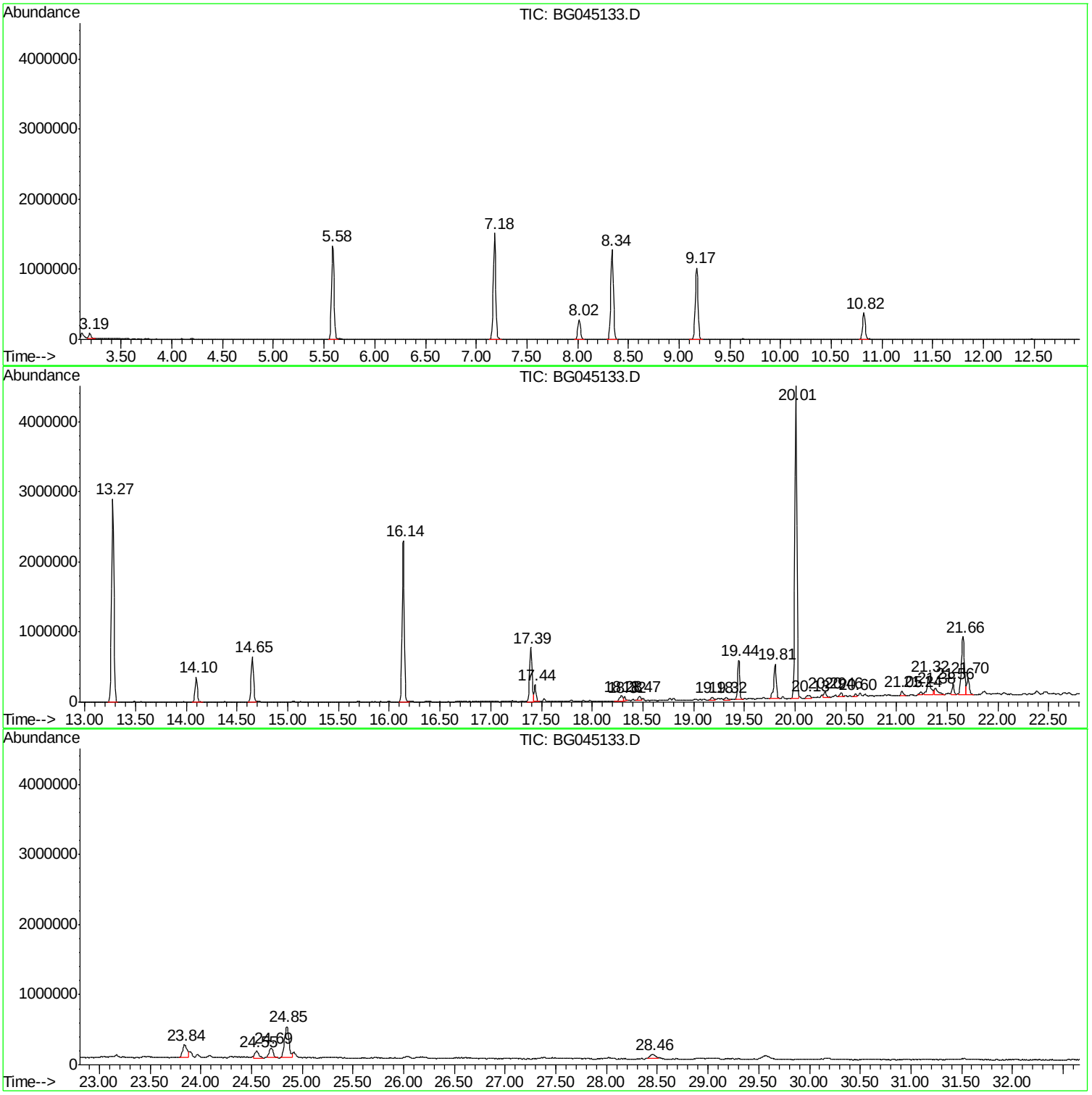
**Instrument :**
BNA_G
**ClientSampleId :**
TP-4-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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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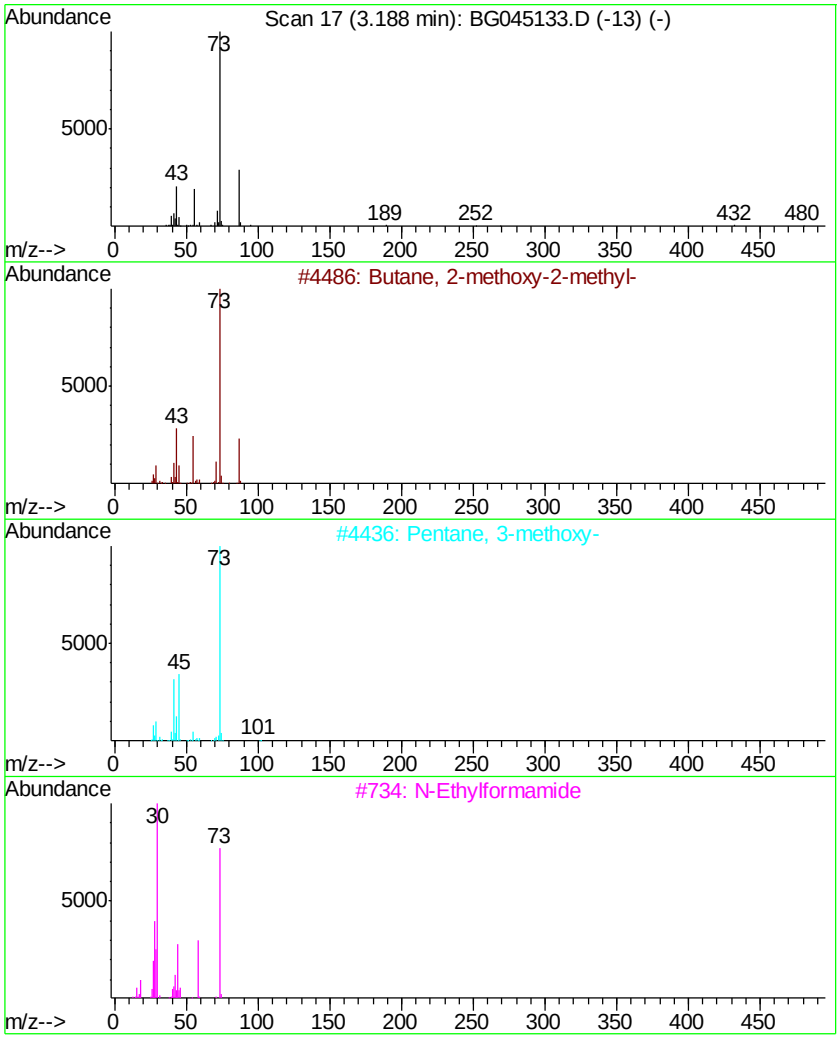
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

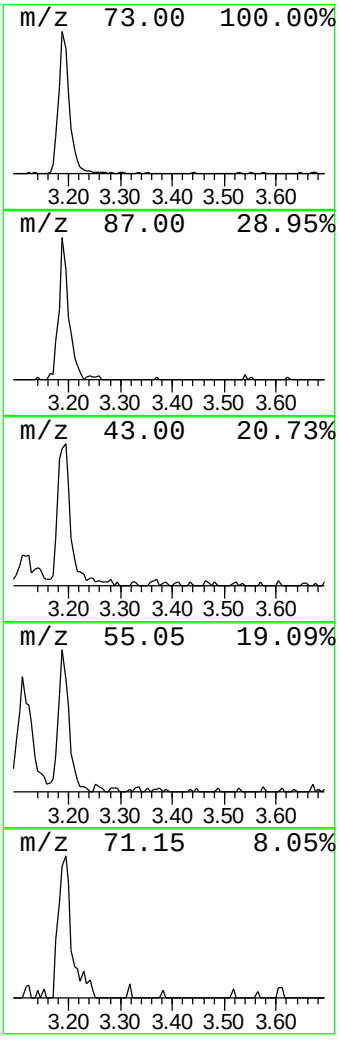
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.19 | 4.79 ng | 119530 | 1,4-Dichlorobenzene-d4 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 25 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 5 | 3-Hexanol, 2,4-dimethyl- | 130 | C8H18O | 013432-25-2 | 9 |



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Sample : L2327-31
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-4-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

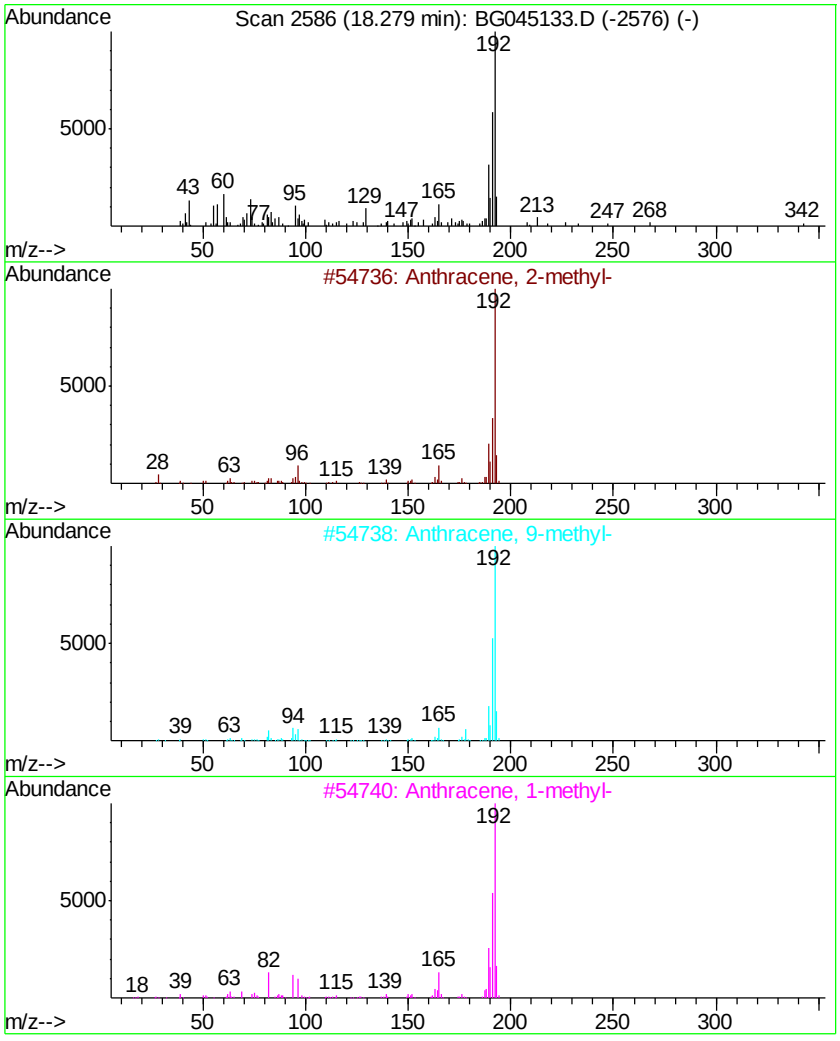
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

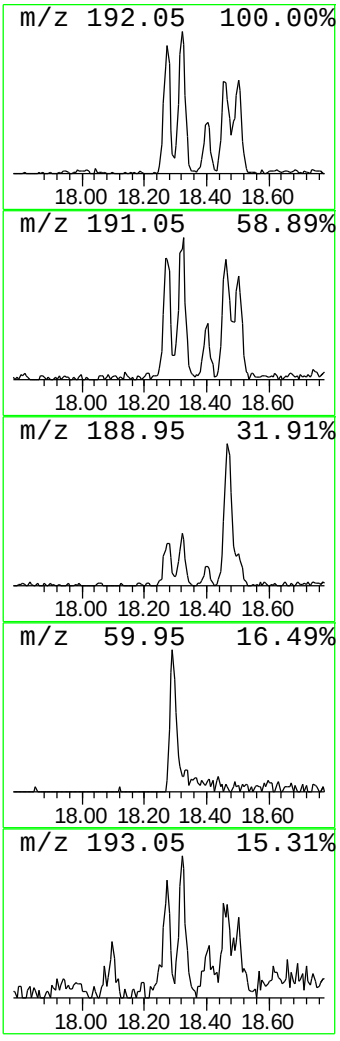
**********

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.28 | 3.02 ng | 193019 | Phenanthrene-d10 | 17.40 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 72 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 56 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 55 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 55 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 42 |



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Operator : CG/JU
Sample : L2327-31
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-4-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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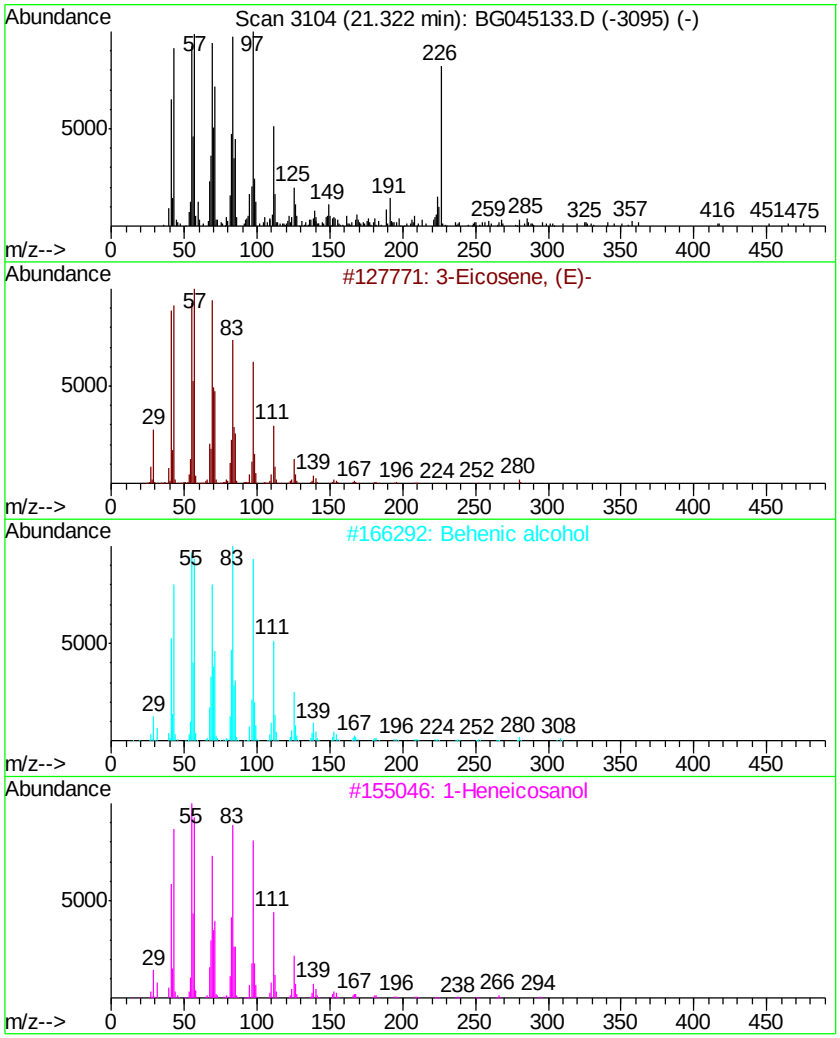
TIC Integration Parameters: LSCINT.P

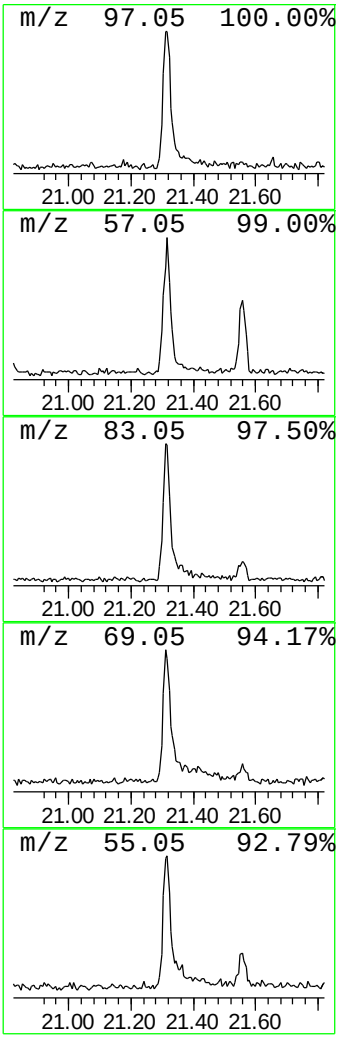
**********

Peak Number 4 3-Eicosene, (E)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.32 | 7.16 ng | 632331 | Chrysene-d12 | 21.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 99 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | Z-8-Hexadecene | 224 | C16H32 | 1000130-87-5 | 91 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 90 |



Library Search Compound Report

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Operator : CG/JU
Sample : L2327-31
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-4-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

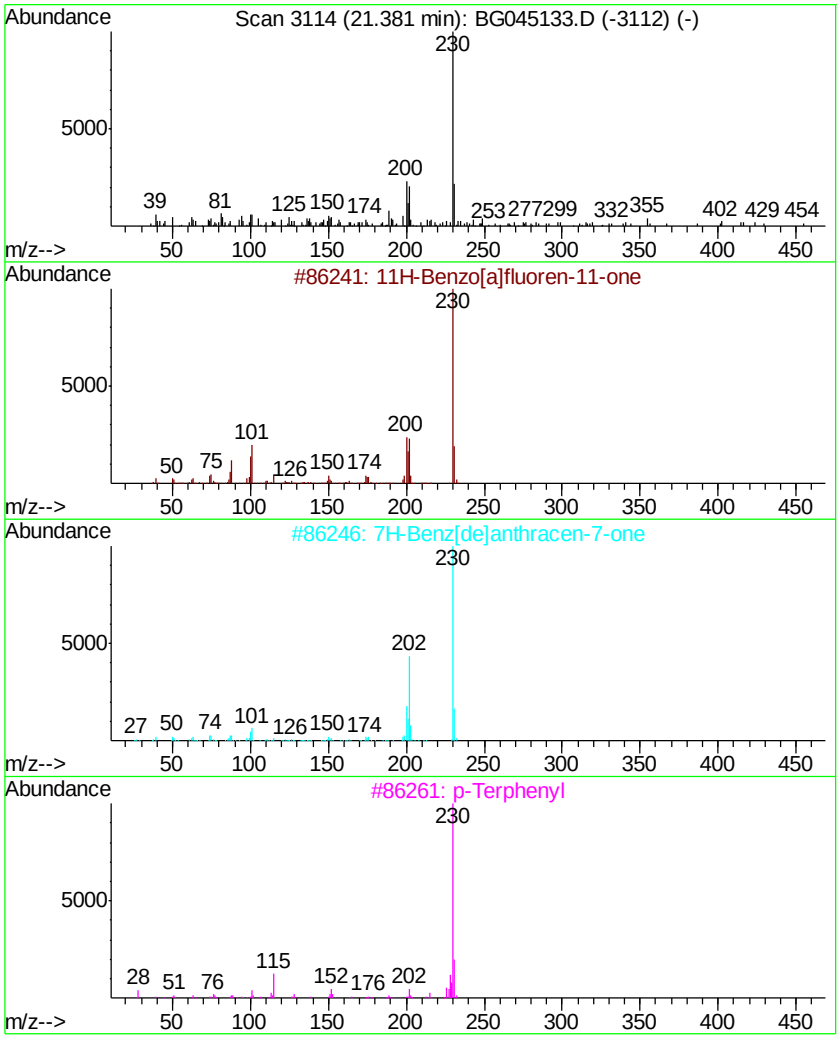
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

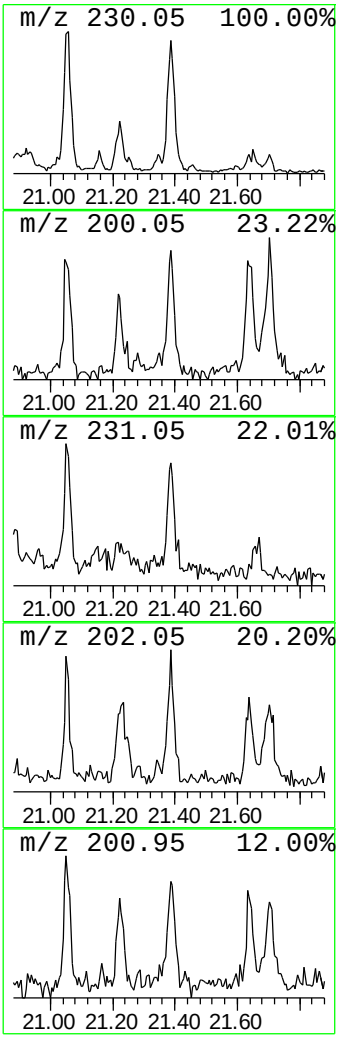
**********

Peak Number 5 11H-Benzo[a]fluoren-11-one Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.38 | 2.77 ng | 244733 | Chrysene-d12 | 21.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 87 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 68 |
| 3 | p-Terphenyl | 230 | C18H14 | 000092-94-4 | 58 |
| 4 | m-Terphenyl | 230 | C18H14 | 000092-06-8 | 53 |
| 5 | Benzo(b)phenazine | 230 | C16H10N2 | 000257-97-6 | 50 |



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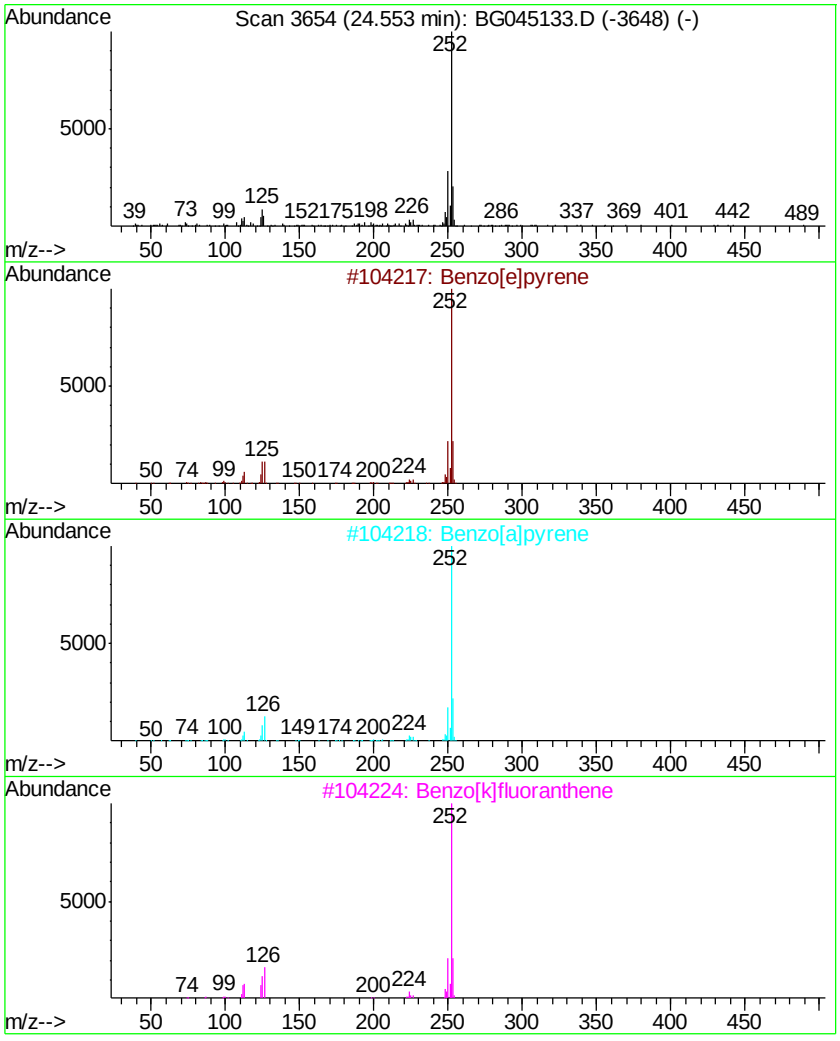
TIC Integration Parameters: LSCINT.P

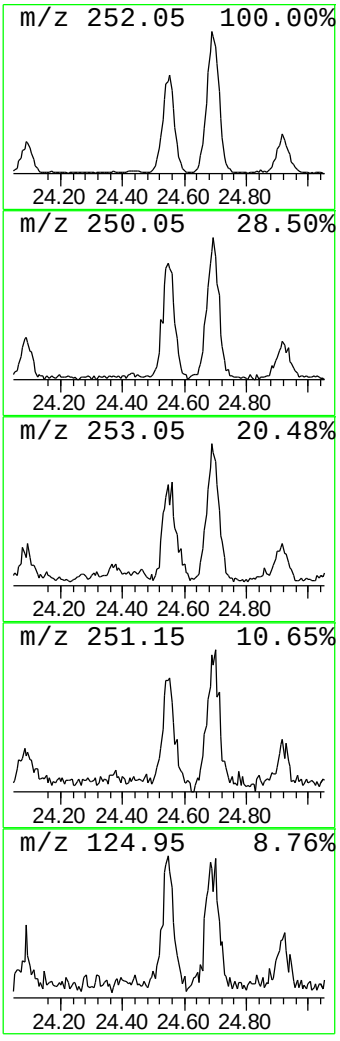
**********

Peak Number 6 Benzo[e]pyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.55 | 4.28 ng | 279227 | Perylene-d12 | 24.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 91 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 89 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 81 |



Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.19 | 4.8 | ng | 119530 | 1 | 8.02 | 499244 | 20.0 |
| Anthracene, 2-met... | 18.28 | 3.0 | ng | 193019 | 4 | 17.40 | 1278660 | 20.0 |
| 3-Eicosene, (E)- | 21.32 | 7.2 | ng | 632331 | 5 | 21.66 | 1766170 | 20.0 |
| 11H-Benzo[a]fluor... | 21.38 | 2.8 | ng | 244733 | 5 | 21.66 | 1766170 | 20.0 |
| Benzo[e]pyrene | 24.55 | 4.3 | ng | 279227 | 6 | 24.85 | 1305180 | 20.0 |