LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
Data File : BG042681.D
Acq On : 2 Sep 2019 3:37
Operator : HP/JU
Sample : K4579-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PAR-12-B1-B4-(0-3.5)

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-BG082219.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 | 3.118 | 3 | 5 | 19 | rVB | 73373 | 89401 | 5.39% | 0.752% |
| 2 | 5.550 | 413 | 419 | 430 | rBV | 263189 | 439860 | 26.53% | 3.701% |
| 3 | 7.160 | 686 | 693 | 709 | rBV | 272971 | 493462 | 29.76% | 4.152% |
| 4 | 7.530 | 748 | 756 | 765 | rBV | 297726 | 522634 | 31.52% | 4.397% |
| 5 | 7.994 | 828 | 835 | 843 | rBV | 93905 | 157722 | 9.51% | 1.327% |
| 6 | 8.324 | 883 | 891 | 898 | rBV | 240085 | 426233 | 25.71% | 3.586% |
| 7 | 9.164 | 1026 | 1034 | 1051 | rBV | 153112 | 297844 | 17.96% | 2.506% |
| 8 | 10.821 | 1307 | 1316 | 1334 | rBV | 111424 | 226625 | 13.67% | 1.907% |
| 9 | 13.271 | 1727 | 1733 | 1752 | rBV | 580600 | 954308 | 57.55% | 8.029% |
| 10 | 14.105 | 1869 | 1875 | 1885 | rBV | 54973 | 93164 | 5.62% | 0.784% |
| 11 | 14.657 | 1962 | 1969 | 1978 | rBV | 233600 | 377783 | 22.78% | 3.179% |
| 12 | 16.150 | 2215 | 2223 | 2245 | rBV | 480420 | 841795 | 50.77% | 7.083% |
| 13 | 17.407 | 2431 | 2437 | 2441 | rBV2 | 318709 | 496631 | 29.95% | 4.179% |
| 14 | 17.448 | 2441 | 2444 | 2452 | rVB | 87806 | 134712 | 8.12% | 1.133% |
| 15 | 17.542 | 2457 | 2460 | 2467 | rVB | 14825 | 21949 | 1.32% | 0.185% |
| 16 | 18.294 | 2585 | 2588 | 2592 | rBV4 | 17199 | 25881 | 1.56% | 0.218% |
| 17 | 19.463 | 2782 | 2787 | 2794 | rBV | 302343 | 428865 | 25.87% | 3.608% |
| 18 | 19.822 | 2840 | 2848 | 2856 | rVB | 271238 | 451398 | 27.22% | 3.798% |
| 19 | 20.022 | 2876 | 2882 | 2887 | rBV | 1259312 | 1658081 | 100.00% | 13.951% |
| 20 | 21.079 | 3059 | 3062 | 3072 | rVB | 53082 | 88974 | 5.37% | 0.749% |
| 21 | 21.684 | 3157 | 3165 | 3170 | rBV2 | 416201 | 990864 | 59.76% | 8.337% |
| 22 | 21.731 | 3170 | 3173 | 3186 | rVB | 188501 | 307489 | 18.54% | 2.587% |
| 23 | 22.489 | 3298 | 3302 | 3307 | rBV2 | 33247 | 61198 | 3.69% | 0.515% |
| 24 | 22.695 | 3334 | 3337 | 3342 | rVB4 | 22351 | 30817 | 1.86% | 0.259% |
| 25 | 23.899 | 3533 | 3542 | 3549 | rBV | 162798 | 520939 | 31.42% | 4.383% |
| 26 | 24.622 | 3659 | 3665 | 3678 | rVB | 104565 | 304552 | 18.37% | 2.562% |
| 27 | 24.769 | 3682 | 3690 | 3700 | rVB | 119040 | 336982 | 20.32% | 2.835% |
| 28 | 24.922 | 3707 | 3716 | 3725 | rBV2 | 239103 | 694258 | 41.87% | 5.841% |
| 29 | 28.629 | 4337 | 4347 | 4358 | rBV3 | 47857 | 197336 | 11.90% | 1.660% |
| 30 | 29.781 | 4533 | 4543 | 4558 | rVB3 | 45306 | 213411 | 12.87% | 1.796% |

Sum of corrected areas: 11885168

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
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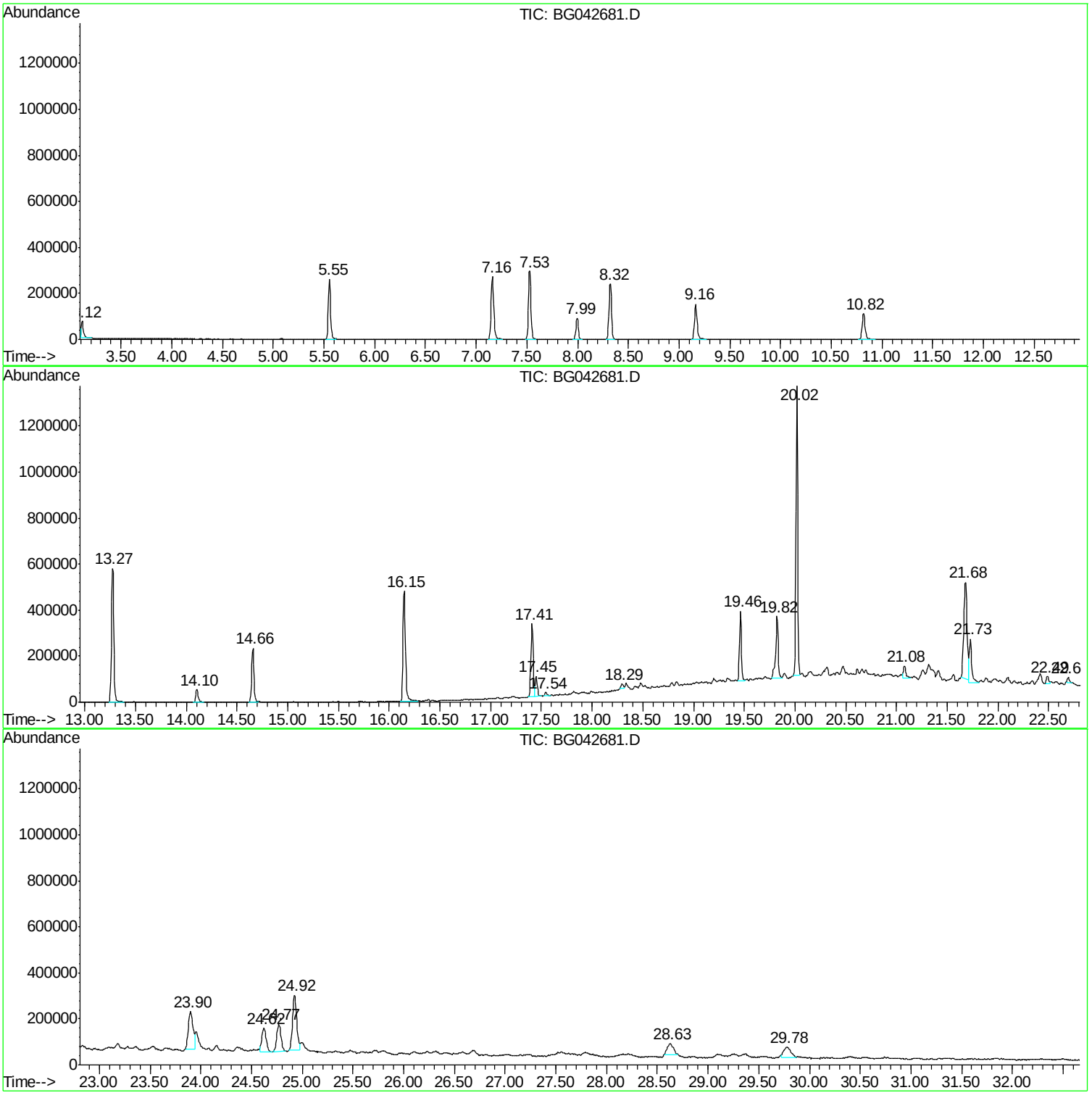
Sample : K4579-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PAR-12-B1-B4-(0-3.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
Data File : BG042681.D
Acq On : 2 Sep 2019 3:37
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**Instrument :** BNA_G
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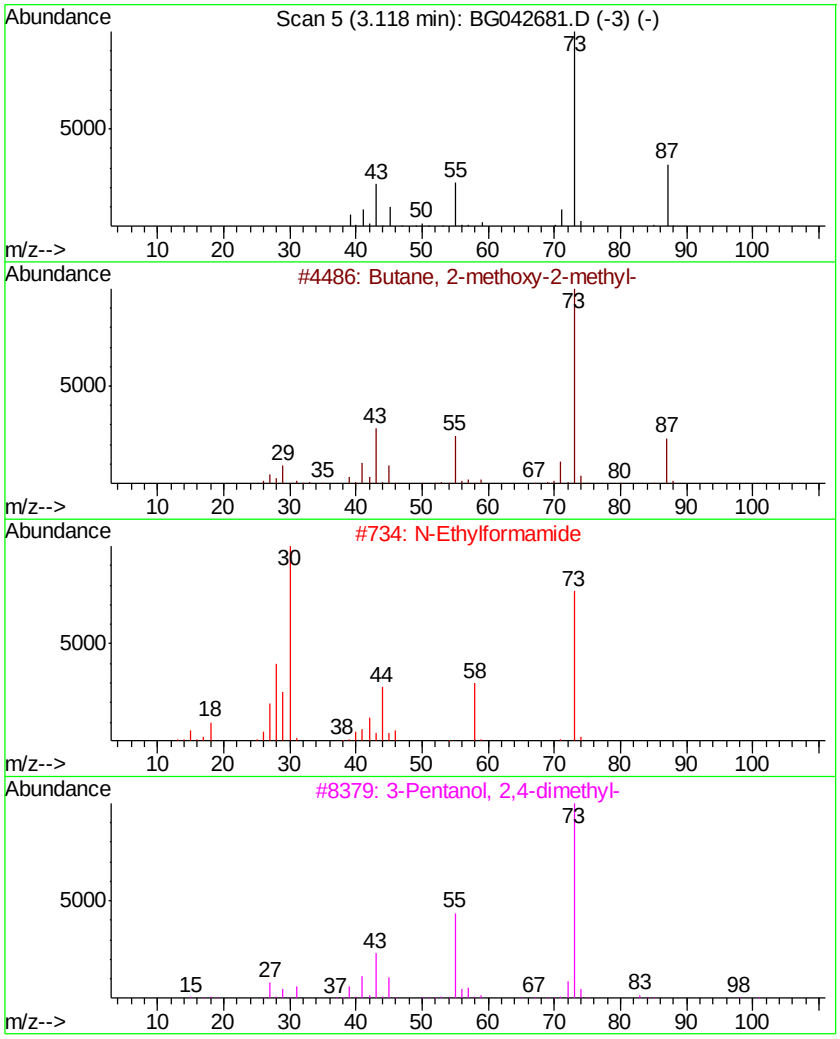
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

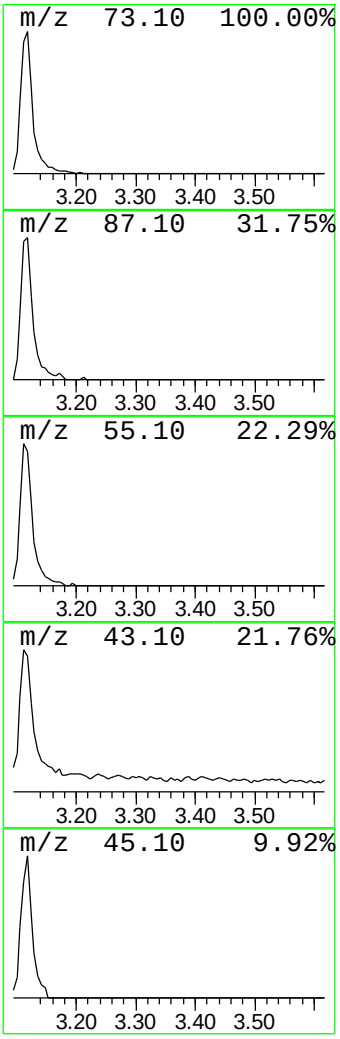
**********

Peak Number 1 unknown3.12 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.12 | 11.34 ng | 89401 | 1,4-Dichlorobenzene-d4 | 7.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 45 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 9 |
| 4 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 9 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 5 |



Library Search Compound Report

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Operator : HP/JU
Sample : K4579-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PAR-12-B1-B4-(0-3.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

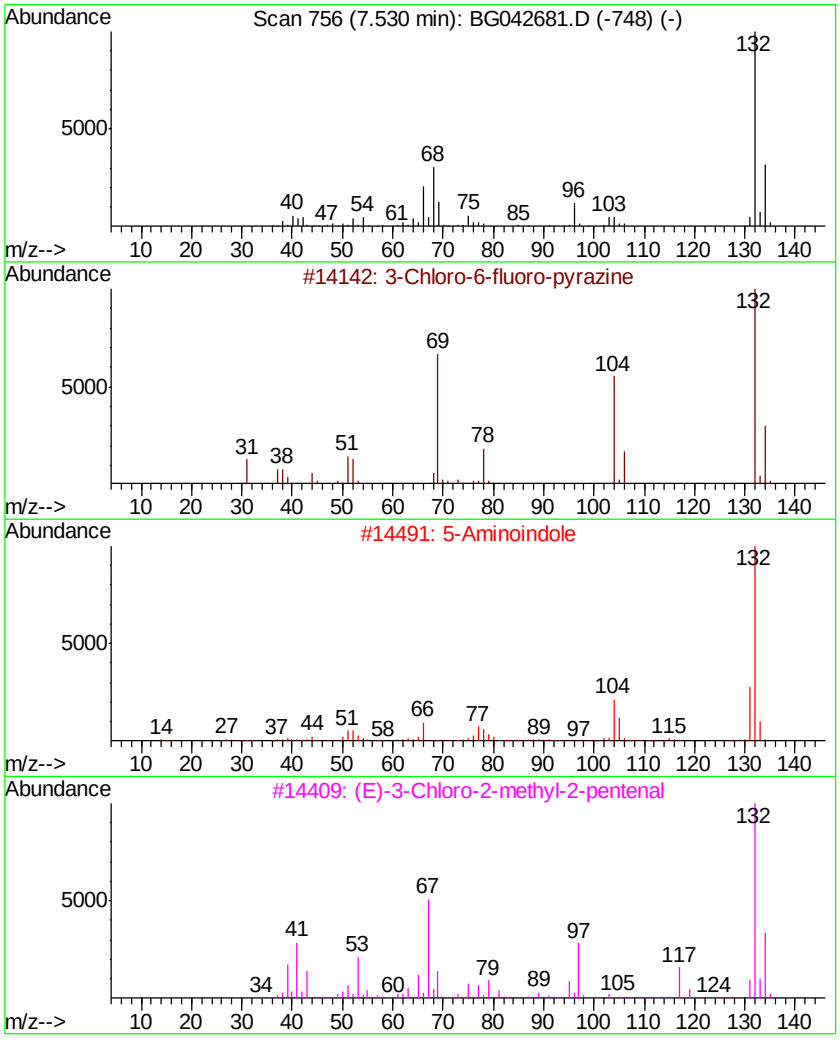
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

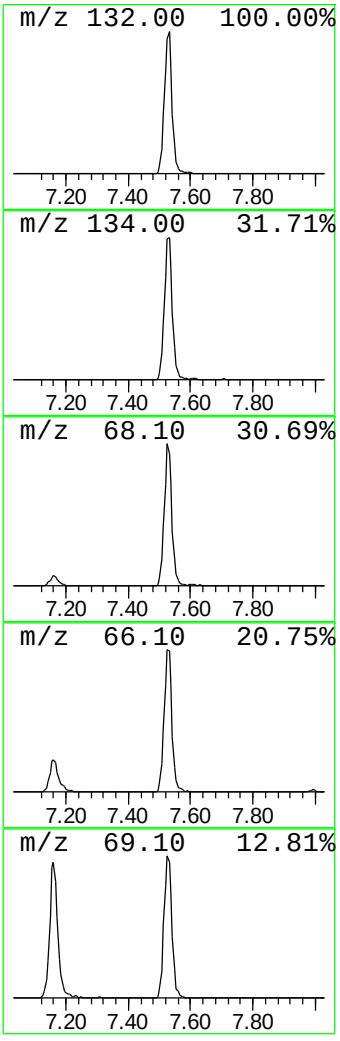
**********

Peak Number 2 unknown7.53 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.53 | 66.27 ng | 522634 | 1,4-Dichlorobenzene-d4 | 7.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 27 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



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Operator : HP/JU
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Misc :
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**Instrument :** BNA_G
**ClientSampleId :** PAR-12-B1-B4-(0-3.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
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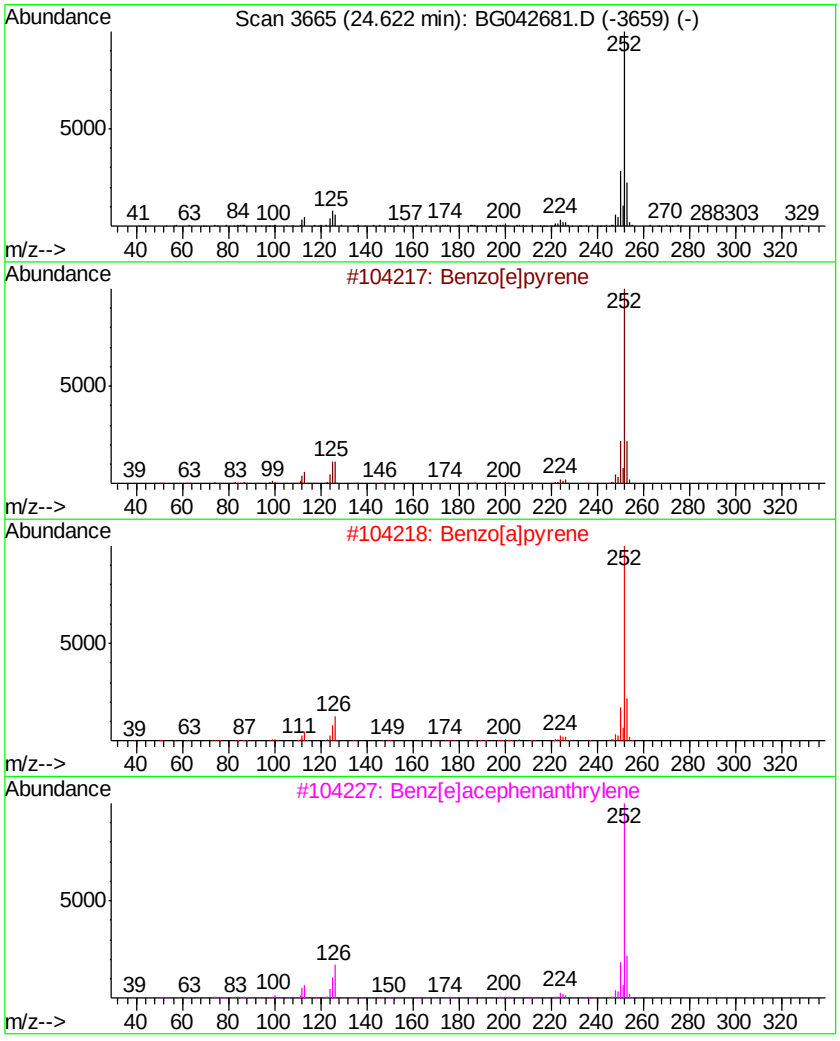
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

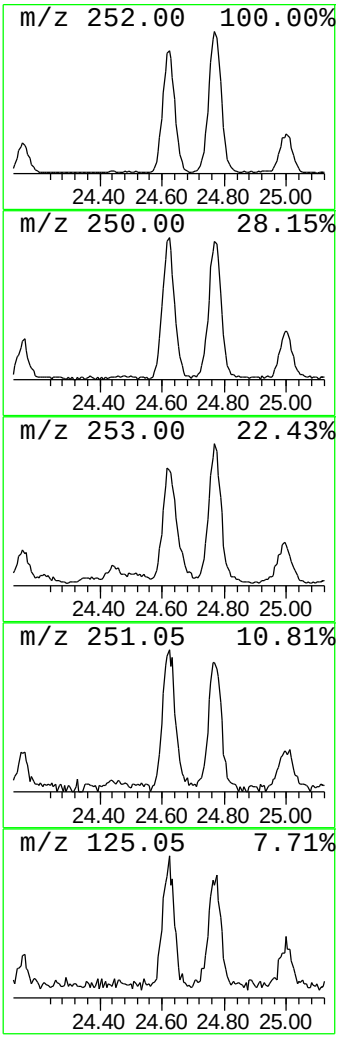
**********

Peak Number 4 Benzo[e]pyrene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.62 | 8.77 ng | 304552 | Perylene-d12 | 24.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG090119\
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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown3.12 | 3.12 | 11.3 | ng | 89401 | 1 | 7.99 | 157722 | 20.0 |
| unknown7.53 | 7.53 | 66.3 | ng | 522634 | 1 | 7.99 | 157722 | 20.0 |
| Benzo[e]pyrene | 24.62 | 8.8 | ng | 304552 | 6 | 24.92 | 694258 | 20.0 |