LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.481 | 26 | 33 | 36 | rVV8 | 5092 | 9241 | 0.23% | 0.025% |
| 2 | 3.551 | 36 | 45 | 56 | rVB4 | 20614 | 49690 | 1.22% | 0.132% |
| 3 | 3.833 | 88 | 93 | 100 | rBV6 | 5420 | 11331 | 0.28% | 0.030% |
| 4 | 4.086 | 130 | 136 | 144 | rVB | 21583 | 35859 | 0.88% | 0.095% |
| 5 | 5.249 | 326 | 334 | 340 | rBV6 | 4793 | 10723 | 0.26% | 0.028% |
| 6 | 6.853 | 600 | 607 | 616 | rVB | 99617 | 165756 | 4.06% | 0.440% |
| 7 | 7.147 | 650 | 657 | 667 | rBV6 | 12340 | 35271 | 0.86% | 0.094% |
| 8 | 7.323 | 678 | 687 | 699 | rVB | 281380 | 540282 | 13.22% | 1.435% |
| 9 | 7.488 | 708 | 715 | 726 | rBV | 230603 | 377266 | 9.23% | 1.002% |
| 10 | 7.623 | 726 | 738 | 744 | rVV10 | 7415 | 20139 | 0.49% | 0.053% |
| 11 | 7.705 | 744 | 752 | 760 | rVB | 263221 | 467025 | 11.43% | 1.240% |
| 12 | 8.175 | 822 | 832 | 839 | rBV | 432055 | 743926 | 18.20% | 1.975% |
| 13 | 8.869 | 942 | 950 | 961 | rBV | 261777 | 466497 | 11.42% | 1.239% |
| 14 | 9.339 | 1019 | 1030 | 1039 | rBV | 259565 | 480299 | 11.75% | 1.275% |
| 15 | 9.439 | 1039 | 1047 | 1056 | rVV4 | 11565 | 23137 | 0.57% | 0.061% |
| 16 | 10.061 | 1144 | 1153 | 1165 | rBV2 | 214355 | 393059 | 9.62% | 1.044% |
| 17 | 10.197 | 1172 | 1176 | 1180 | rBV3 | 5951 | 10123 | 0.25% | 0.027% |
| 18 | 10.273 | 1187 | 1189 | 1196 | rVB6 | 5215 | 8504 | 0.21% | 0.023% |
| 19 | 10.602 | 1236 | 1245 | 1255 | rBV | 346947 | 621791 | 15.22% | 1.651% |
| 20 | 10.766 | 1265 | 1273 | 1279 | rVB5 | 3191 | 8601 | 0.21% | 0.023% |
| 21 | 10.990 | 1299 | 1311 | 1321 | rBV | 644118 | 1155403 | 28.27% | 3.068% |
| 22 | 11.119 | 1325 | 1333 | 1346 | rBV | 178294 | 345069 | 8.44% | 0.916% |
| 23 | 11.454 | 1383 | 1390 | 1395 | rVB3 | 8997 | 14560 | 0.36% | 0.039% |
| 24 | 11.754 | 1435 | 1441 | 1448 | rBV8 | 5010 | 9826 | 0.24% | 0.026% |
| 25 | 12.564 | 1574 | 1579 | 1581 | rBV3 | 7944 | 10176 | 0.25% | 0.027% |
| 26 | 13.164 | 1674 | 1681 | 1691 | rBV9 | 15089 | 34729 | 0.85% | 0.092% |
| 27 | 13.399 | 1717 | 1721 | 1728 | rVB5 | 7941 | 9505 | 0.23% | 0.025% |
| 28 | 13.540 | 1738 | 1745 | 1747 | rBV5 | 6790 | 10292 | 0.25% | 0.027% |
| 29 | 13.681 | 1764 | 1769 | 1776 | rBV5 | 25253 | 47074 | 1.15% | 0.125% |
| 30 | 13.875 | 1796 | 1802 | 1808 | rBV7 | 7734 | 16026 | 0.39% | 0.043% |
| 31 | 14.121 | 1838 | 1844 | 1850 | rVV | 525114 | 755571 | 18.49% | 2.006% |
| 32 | 14.186 | 1850 | 1855 | 1860 | rVV | 654693 | 986190 | 24.13% | 2.618% |
| 33 | 14.233 | 1860 | 1863 | 1873 | rVB | 275315 | 369617 | 9.04% | 0.981% |
| 34 | 14.486 | 1899 | 1906 | 1914 | rBV | 751802 | 1192321 | 29.18% | 3.166% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.550 | 1914 | 1917 | 1925 | rVB6 | 9140 | 16236 | 0.40% | 0.043% |
| 36 | 14.627 | 1925 | 1930 | 1934 | rBV5 | 16225 | 24970 | 0.61% | 0.066% |
| 37 | 14.674 | 1934 | 1938 | 1942 | rBV3 | 17582 | 24407 | 0.60% | 0.065% |
| 38 | 14.750 | 1942 | 1951 | 1953 | rBV | 183660 | 271315 | 6.64% | 0.720% |
| 39 | 14.791 | 1953 | 1958 | 1965 | rVB2 | 972039 | 1584807 | 38.78% | 4.208% |
| 40 | 14.856 | 1965 | 1969 | 1972 | rBV3 | 14670 | 22169 | 0.54% | 0.059% |
| 41 | 14.967 | 1980 | 1988 | 1996 | rBV | 255365 | 415038 | 10.16% | 1.102% |
| 42 | 15.032 | 1996 | 1999 | 2007 | rVV6 | 30387 | 62990 | 1.54% | 0.167% |
| 43 | 15.114 | 2007 | 2013 | 2019 | rVB4 | 29477 | 58180 | 1.42% | 0.154% |
| 44 | 15.185 | 2019 | 2025 | 2032 | rBV9 | 17478 | 38797 | 0.95% | 0.103% |
| 45 | 15.396 | 2058 | 2061 | 2066 | rBV7 | 6279 | 10521 | 0.26% | 0.028% |
| 46 | 15.584 | 2087 | 2093 | 2095 | rBV7 | 8411 | 14770 | 0.36% | 0.039% |
| 47 | 15.620 | 2095 | 2099 | 2103 | rVV | 31627 | 39689 | 0.97% | 0.105% |
| 48 | 15.673 | 2103 | 2108 | 2115 | rVV6 | 16785 | 36552 | 0.89% | 0.097% |
| 49 | 15.778 | 2115 | 2126 | 2138 | rVV | 1040976 | 1574964 | 38.54% | 4.182% |
| 50 | 15.884 | 2138 | 2144 | 2156 | rVB | 230365 | 342616 | 8.38% | 0.910% |
| 51 | 16.013 | 2161 | 2166 | 2172 | rVB7 | 22255 | 45590 | 1.12% | 0.121% |
| 52 | 16.113 | 2179 | 2183 | 2188 | rVB6 | 15811 | 22365 | 0.55% | 0.059% |
| 53 | 16.190 | 2188 | 2196 | 2200 | rBV9 | 16849 | 38675 | 0.95% | 0.103% |
| 54 | 16.254 | 2200 | 2207 | 2217 | rVV5 | 45260 | 94980 | 2.32% | 0.252% |
| 55 | 16.342 | 2217 | 2222 | 2229 | rVV5 | 16159 | 32113 | 0.79% | 0.085% |
| 56 | 16.419 | 2230 | 2235 | 2238 | rBV7 | 7888 | 12280 | 0.30% | 0.033% |
| 57 | 16.477 | 2240 | 2245 | 2256 | rBV | 47581 | 86840 | 2.12% | 0.231% |
| 58 | 16.624 | 2264 | 2270 | 2274 | rBV8 | 20466 | 32324 | 0.79% | 0.086% |
| 59 | 16.742 | 2288 | 2290 | 2298 | rVB9 | 6208 | 10527 | 0.26% | 0.028% |
| 60 | 16.818 | 2299 | 2303 | 2305 | rBV5 | 7341 | 9513 | 0.23% | 0.025% |
| 61 | 17.059 | 2339 | 2344 | 2348 | rBV4 | 28040 | 37985 | 0.93% | 0.101% |
| 62 | 17.271 | 2375 | 2380 | 2385 | rBV4 | 32209 | 55149 | 1.35% | 0.146% |
| 63 | 17.324 | 2387 | 2389 | 2396 | rVB7 | 9527 | 15368 | 0.38% | 0.041% |
| 64 | 17.400 | 2397 | 2402 | 2409 | rBV10 | 19571 | 39362 | 0.96% | 0.105% |
| 65 | 17.470 | 2410 | 2414 | 2416 | rVV4 | 14015 | 13530 | 0.33% | 0.036% |
| 66 | 17.529 | 2418 | 2424 | 2435 | rBV2 | 1208411 | 1925183 | 47.11% | 5.112% |
| 67 | 17.623 | 2435 | 2440 | 2451 | rVB | 868884 | 1425500 | 34.88% | 3.785% |
| 68 | 17.723 | 2453 | 2457 | 2459 | rVB5 | 8193 | 8290 | 0.20% | 0.022% |
| 69 | 17.805 | 2468 | 2471 | 2477 | rVB7 | 9166 | 15650 | 0.38% | 0.042% |
| 70 | 18.005 | 2501 | 2505 | 2509 | rBV6 | 12484 | 21533 | 0.53% | 0.057% |
| 71 | 18.128 | 2524 | 2526 | 2531 | rVB6 | 7453 | 9854 | 0.24% | 0.026% |

LSC Area Percent Report

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Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 18.181 | 2531 | 2535 | 2540 | rBV8 | 11964 | 19357 | 0.47% | 0.051% |
| 73 | 18.281 | 2545 | 2552 | 2555 | rBV9 | 19928 | 42360 | 1.04% | 0.112% |
| 74 | 18.340 | 2557 | 2562 | 2568 | rBV2 | 133067 | 189960 | 4.65% | 0.504% |
| 75 | 18.399 | 2568 | 2572 | 2589 | rVB | 507514 | 789639 | 19.32% | 2.097% |
| 76 | 18.593 | 2599 | 2605 | 2610 | rBV6 | 26215 | 59673 | 1.46% | 0.158% |
| 77 | 18.698 | 2618 | 2623 | 2626 | rBV7 | 22528 | 38449 | 0.94% | 0.102% |
| 78 | 18.892 | 2652 | 2656 | 2660 | rBV4 | 19793 | 30753 | 0.75% | 0.082% |
| 79 | 18.922 | 2660 | 2661 | 2668 | rVB7 | 19887 | 28924 | 0.71% | 0.077% |
| 80 | 19.304 | 2719 | 2726 | 2730 | rBV10 | 28236 | 76699 | 1.88% | 0.204% |
| 81 | 19.568 | 2760 | 2771 | 2776 | rBV | 343033 | 777317 | 19.02% | 2.064% |
| 82 | 19.656 | 2783 | 2786 | 2804 | rVB4 | 205243 | 483090 | 11.82% | 1.283% |
| 83 | 19.897 | 2821 | 2827 | 2838 | rBV2 | 1060988 | 1884924 | 46.12% | 5.005% |
| 84 | 20.273 | 2889 | 2891 | 2904 | rVB7 | 45729 | 78389 | 1.92% | 0.208% |
| 85 | 20.414 | 2912 | 2915 | 2918 | rBV2 | 65761 | 71927 | 1.76% | 0.191% |
| 86 | 21.066 | 3024 | 3026 | 3035 | rVB2 | 77778 | 128077 | 3.13% | 0.340% |
| 87 | 21.242 | 3050 | 3056 | 3066 | rVB | 2975017 | 4086626 | 100.00% | 10.850% |
| 88 | 21.419 | 3082 | 3086 | 3098 | rVB5 | 192932 | 422296 | 10.33% | 1.121% |
| 89 | 21.677 | 3127 | 3130 | 3136 | rVB | 63544 | 83416 | 2.04% | 0.221% |
| 90 | 21.795 | 3142 | 3150 | 3156 | rBV2 | 1126677 | 2074304 | 50.76% | 5.508% |
| 91 | 21.989 | 3180 | 3183 | 3189 | rBV7 | 50147 | 87192 | 2.13% | 0.232% |
| 92 | 22.623 | 3286 | 3291 | 3306 | rVB4 | 126726 | 369779 | 9.05% | 0.982% |
| 93 | 23.328 | 3408 | 3411 | 3418 | rVB3 | 88556 | 158918 | 3.89% | 0.422% |
| 94 | 24.057 | 3530 | 3535 | 3542 | rBV2 | 57488 | 120004 | 2.94% | 0.319% |
| 95 | 24.163 | 3547 | 3553 | 3560 | rVB2 | 319146 | 680723 | 16.66% | 1.807% |
| 96 | 24.879 | 3667 | 3675 | 3684 | rBV2 | 435996 | 1196824 | 29.29% | 3.178% |
| 97 | 25.108 | 3704 | 3714 | 3733 | rVB3 | 652848 | 2377329 | 58.17% | 6.312% |
| 98 | 26.325 | 3912 | 3921 | 3935 | rVB2 | 369378 | 1144606 | 28.01% | 3.039% |
| 99 | 27.747 | 4154 | 4163 | 4174 | rVB2 | 167990 | 587818 | 14.38% | 1.561% |
| 100 | 29.462 | 4442 | 4455 | 4478 | rVB8 | 320519 | 1648283 | 40.33% | 4.376% |

Sum of corrected areas: 37663167

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Data File : BG029234.D
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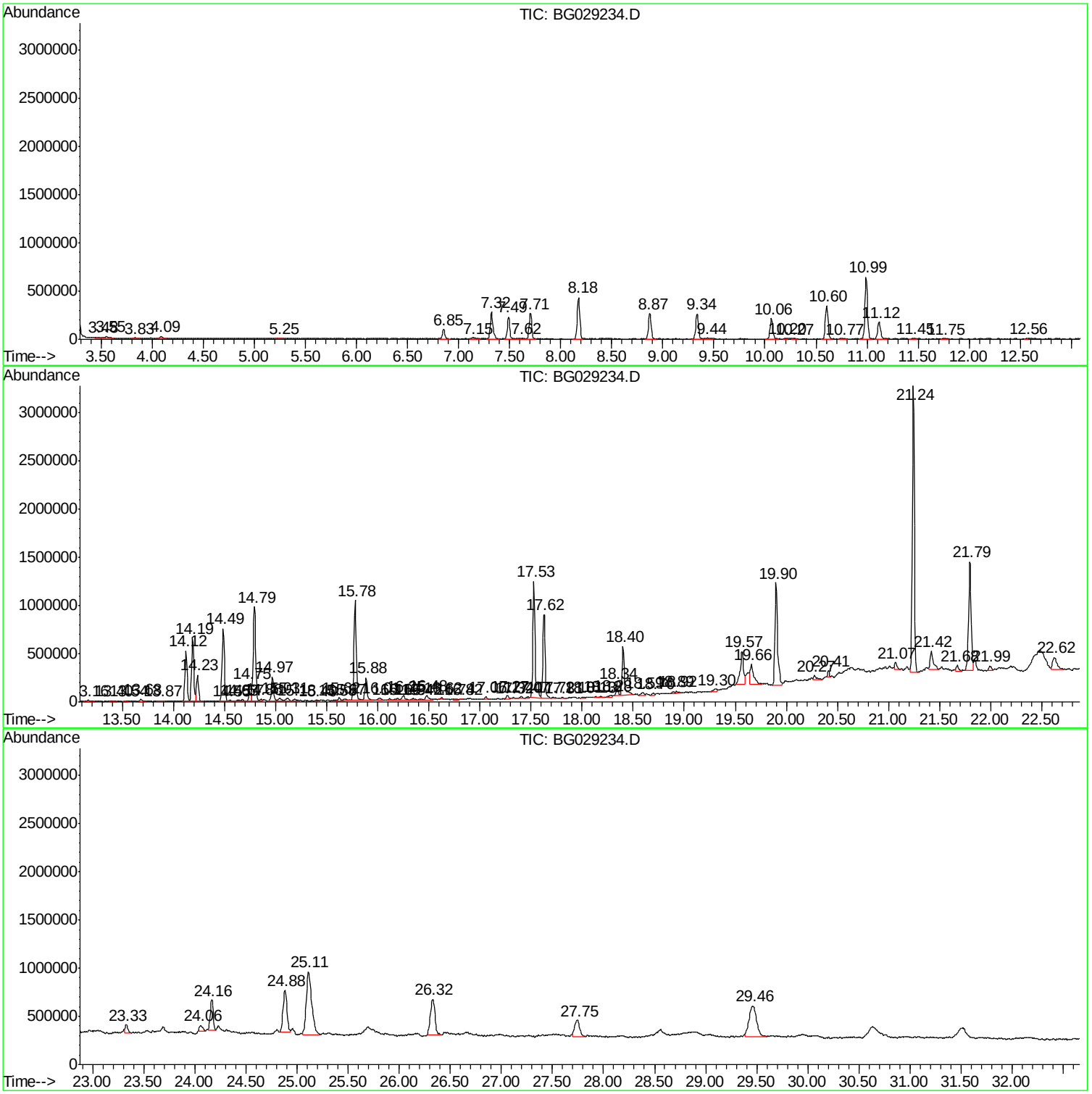
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
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Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

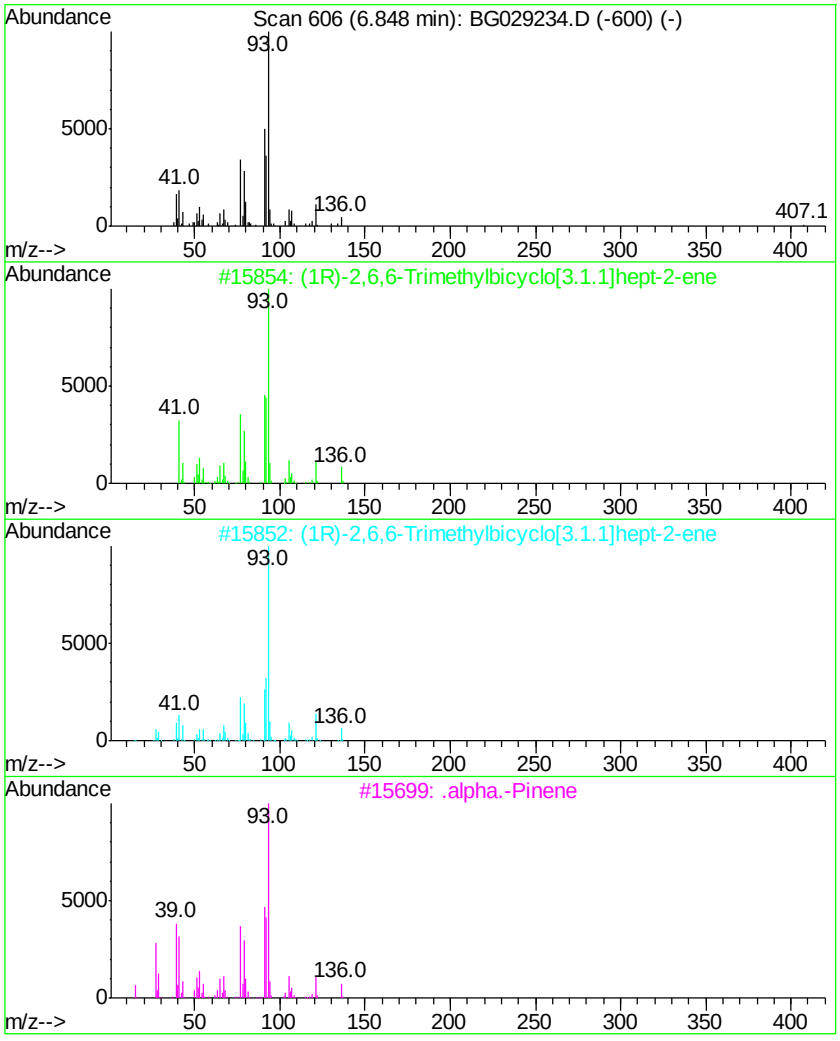
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

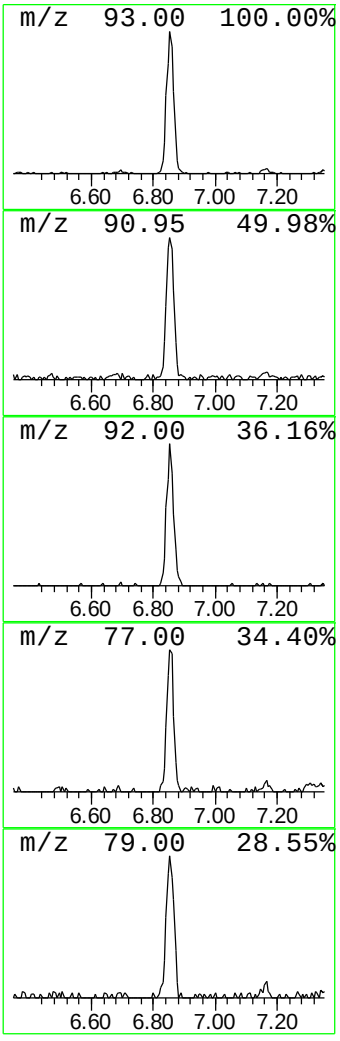
**********

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.85 | 4.46 ng/ul | 165756 | 1,4-Dichlorobenzene-d4 | 8.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 95 |
| 2 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 94 |
| 3 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 94 |
| 4 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 91 |
| 5 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 91 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

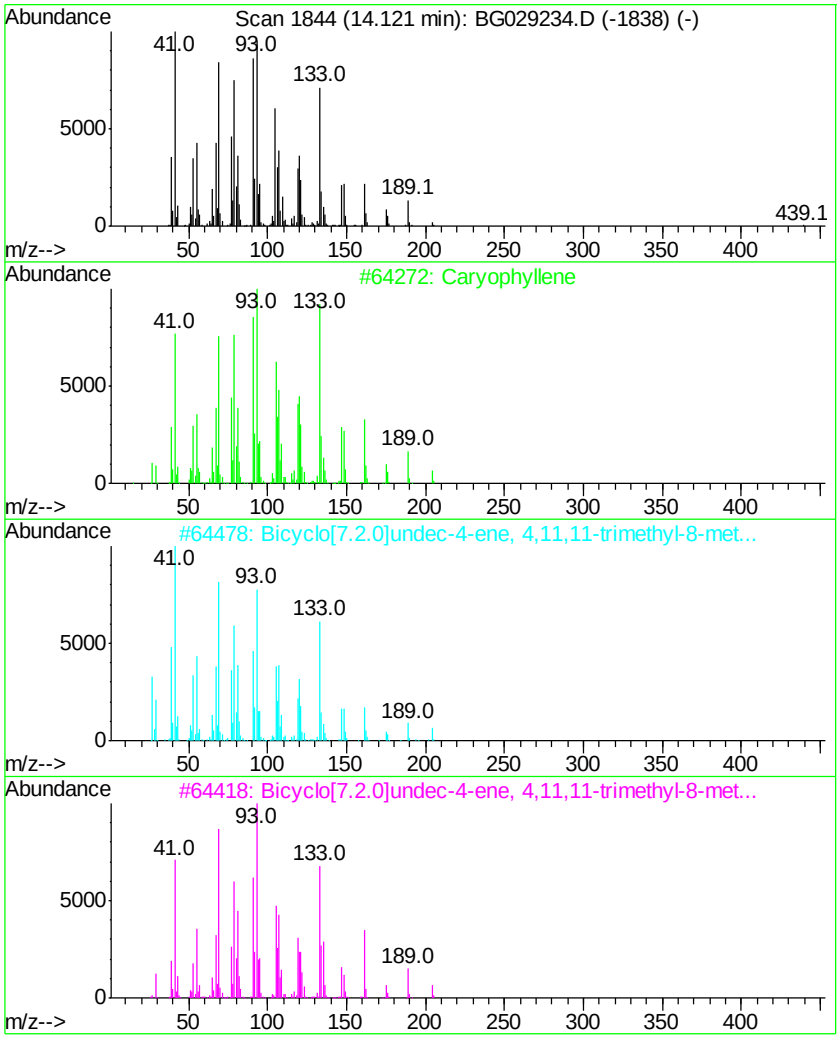
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

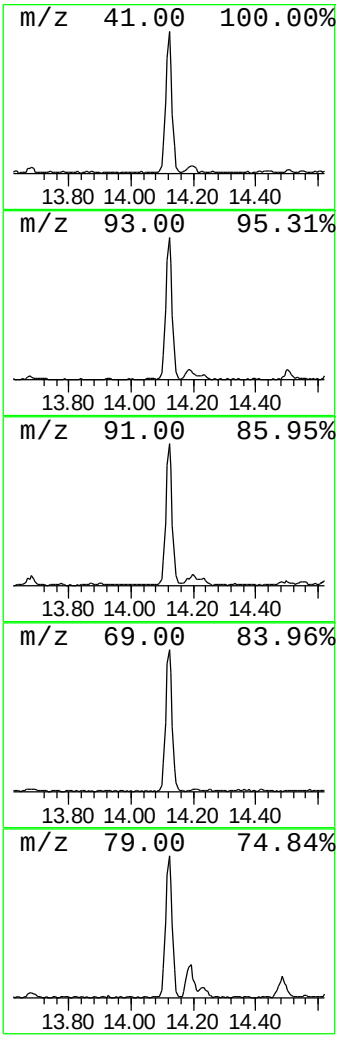
**********

Peak Number 2 Caryophyllene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.12 | 9.54 ng/ul | 755571 | Acenaphthene-d10 | 14.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Caryophyllene | 204 | C15H24 | 000087-44-5 | 91 |
| 2 | Bicyclo[7.2.0]undec-4-ene, 4,11,... | 204 | C15H24 | 000118-65-0 | 91 |
| 3 | Bicyclo[7.2.0]undec-4-ene, 4,11,... | 204 | C15H24 | 013877-93-5 | 90 |
| 4 | Caryophyllene | 204 | C15H24 | 000087-44-5 | 90 |
| 5 | Caryophyllene | 204 | C15H24 | 000087-44-5 | 90 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

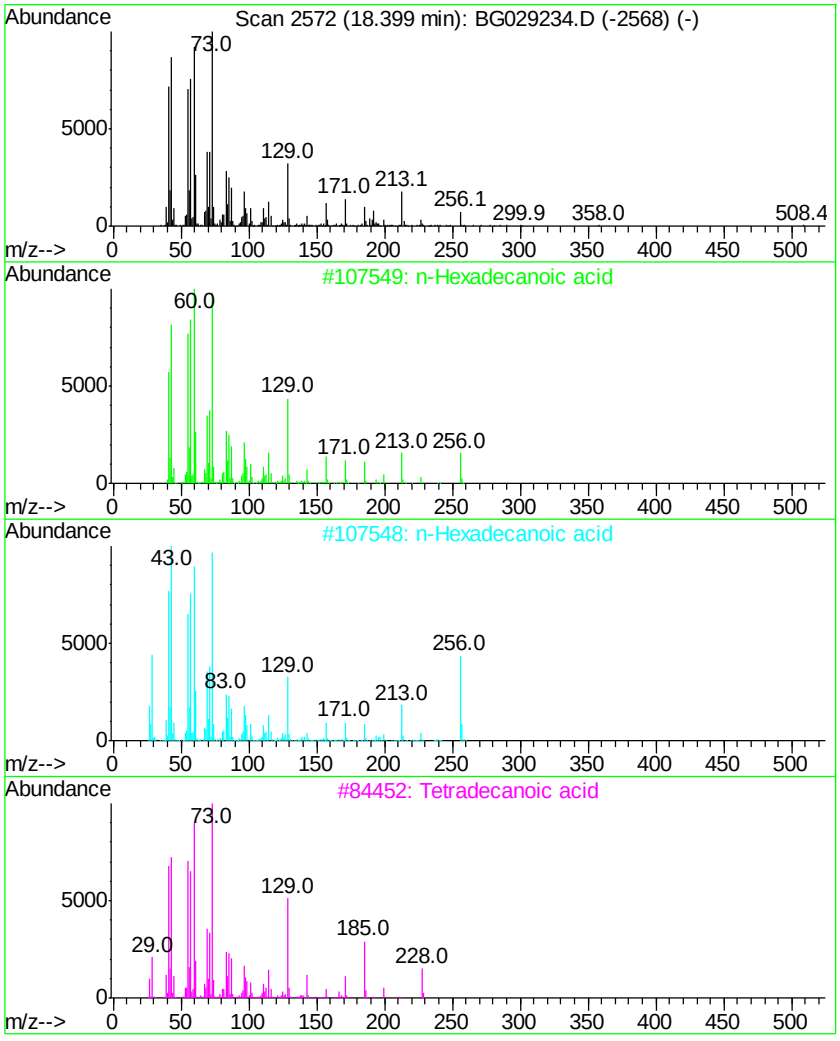
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

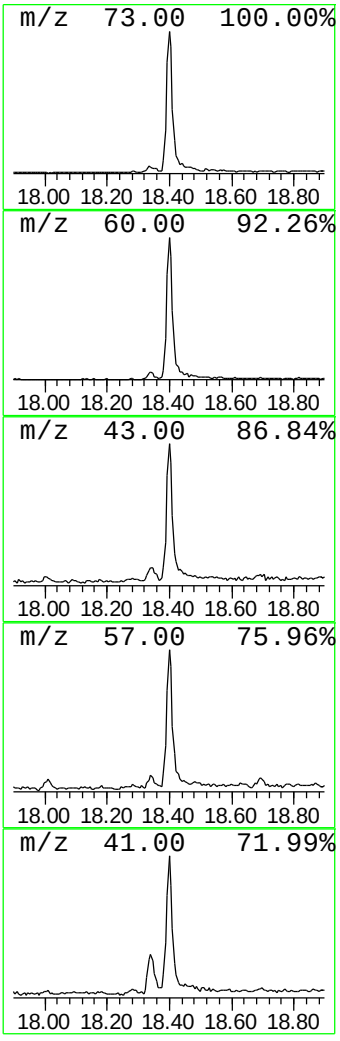
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.40 | 8.20 ng/ul | 789639 | Phenanthrene-d10 | 17.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 80 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

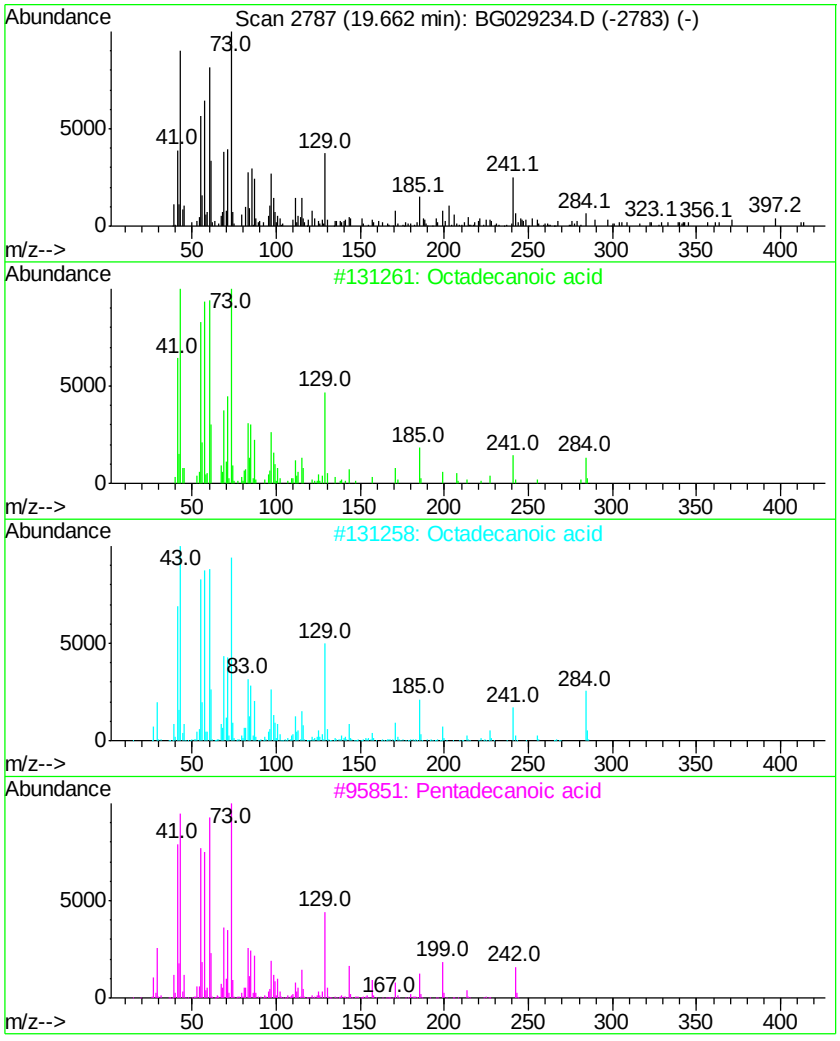
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

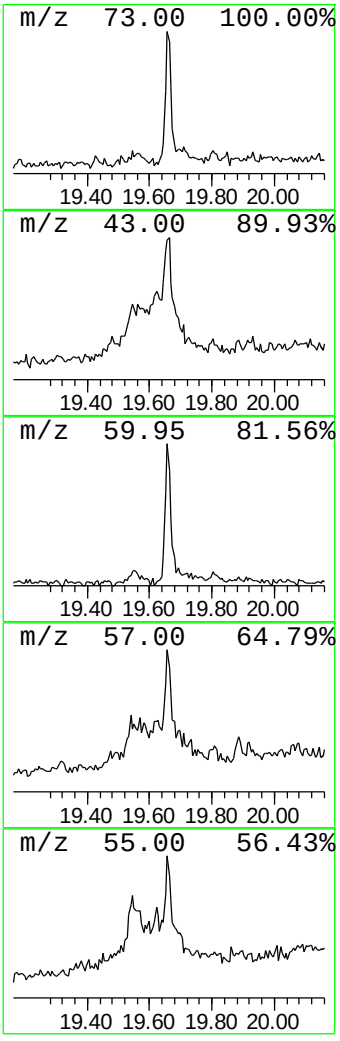
**********

Peak Number 4 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.66 | 5.02 ng/ul | 483090 | Phenanthrene-d10 | 17.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

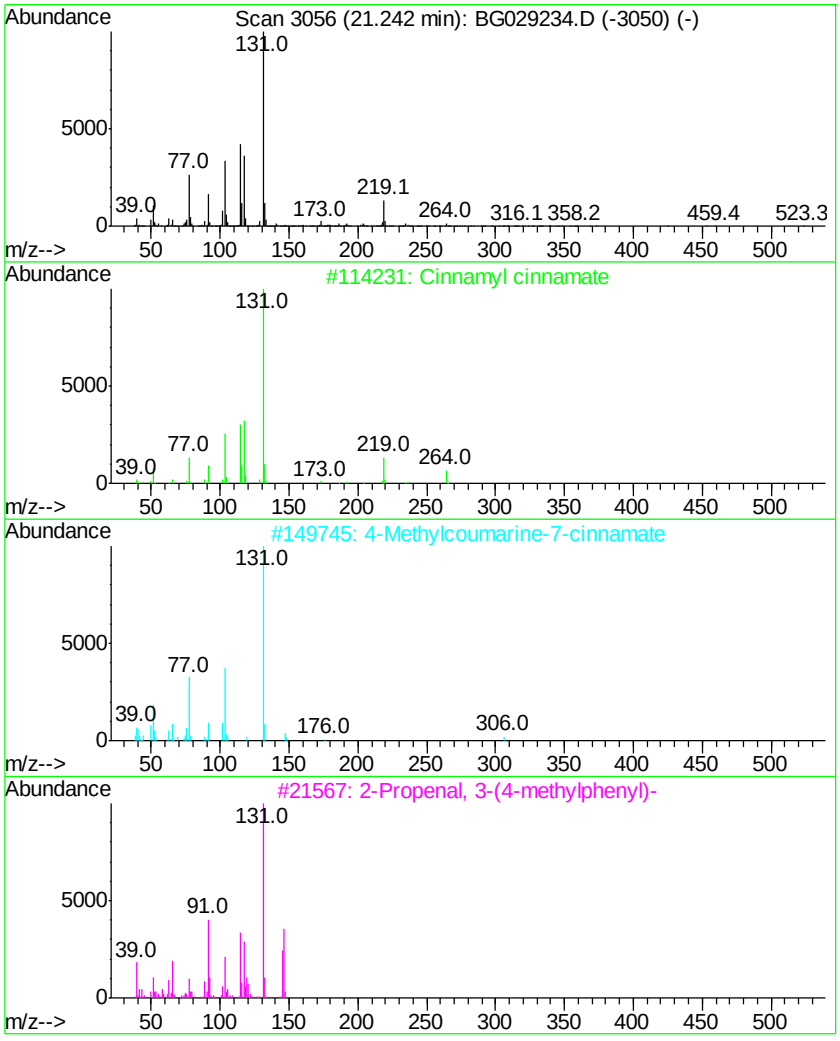
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

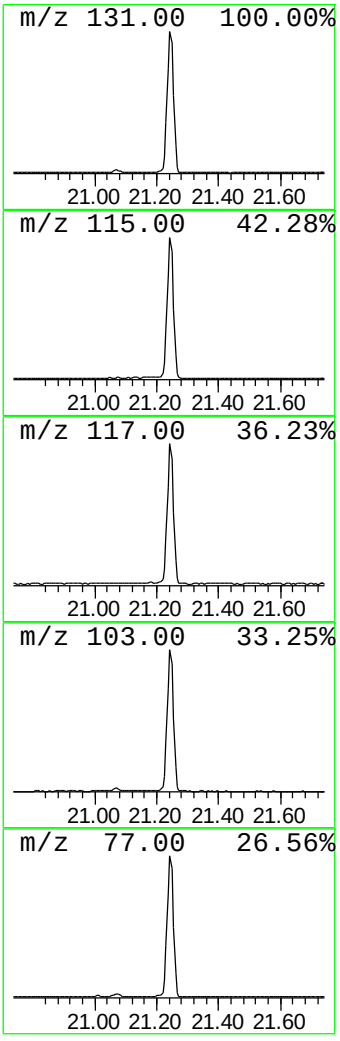
**********

Peak Number 5 Cinnamyl cinnamate Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.24 | 39.40 ng/ul | 4086630 | Chrysene-d12 | 21.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cinnamyl cinnamate | 264 | C18H16O2 | 000122-69-0 | 87 |
| 2 | 4-Methylcoumarine-7-cinnamate | 306 | C19H14O4 | 300829-05-4 | 53 |
| 3 | 2-Propenal, 3-(4-methylphenyl)- | 146 | C10H10O | 001504-75-2 | 50 |
| 4 | 2,2-Dimethyl-1-(2-vinylphenyl)pr... | 188 | C13H16O | 1000210-99-9 | 49 |
| 5 | N-(p-Vinylbenzoyl)-l-alanine | 219 | C12H13NO3 | 139184-60-4 | 47 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

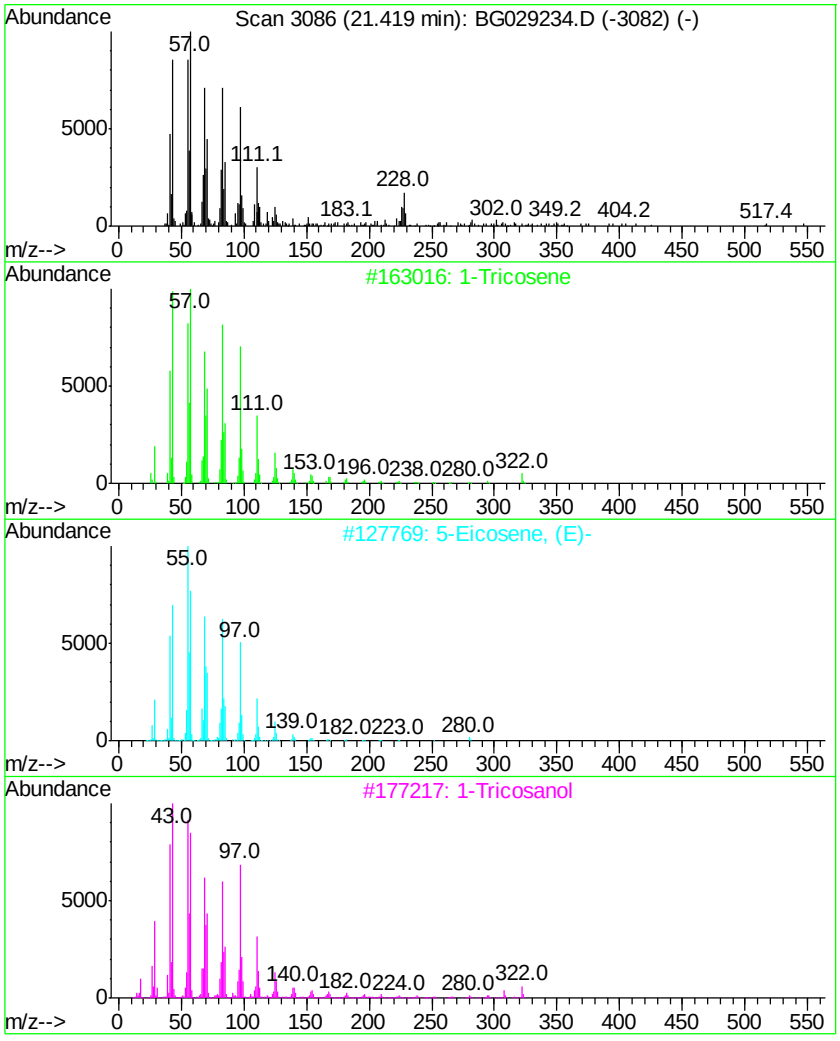
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

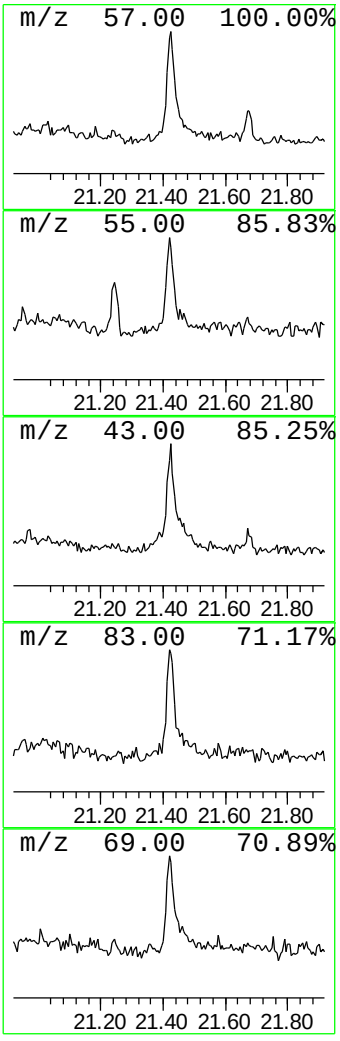
**********

Peak Number 6 (DEL) Alkane: Cyclic21.42 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.42 | 4.07 ng/ul | 422296 | Chrysene-d12 | 21.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 95 |
| 2 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 94 |
| 3 | 1-Tricosanol | 340 | C23H48O | 003133-01-5 | 91 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 91 |



# Library Search Compound Report

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Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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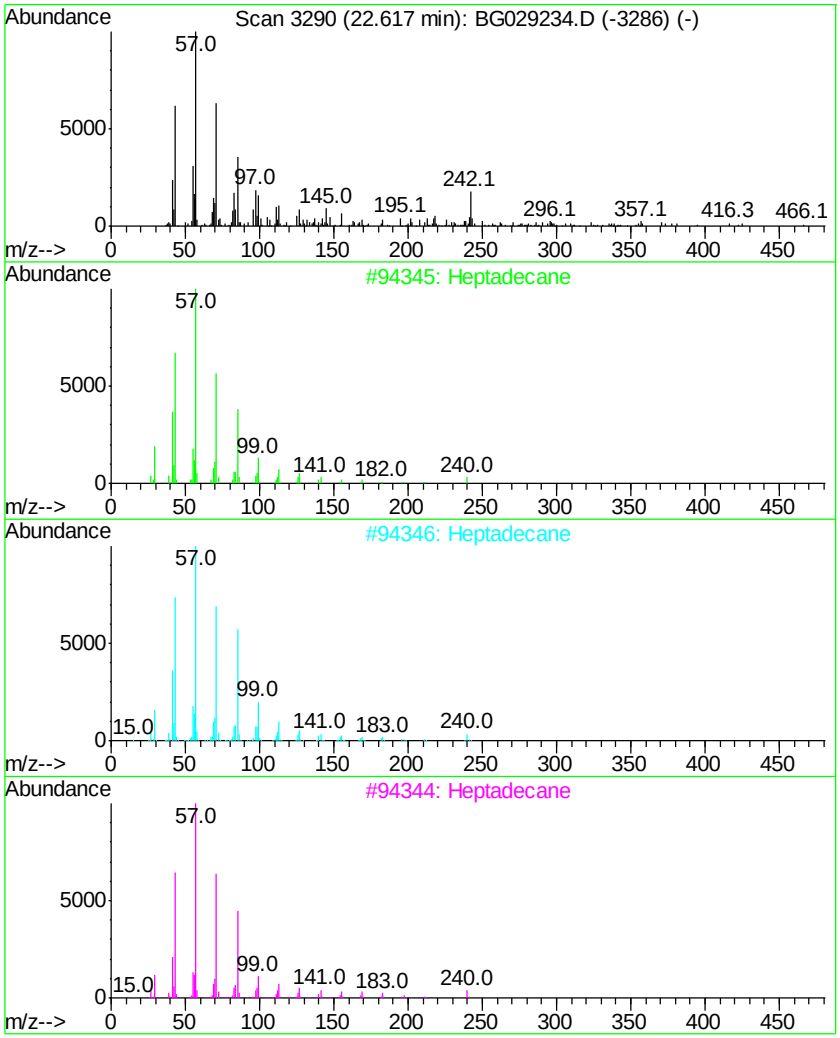
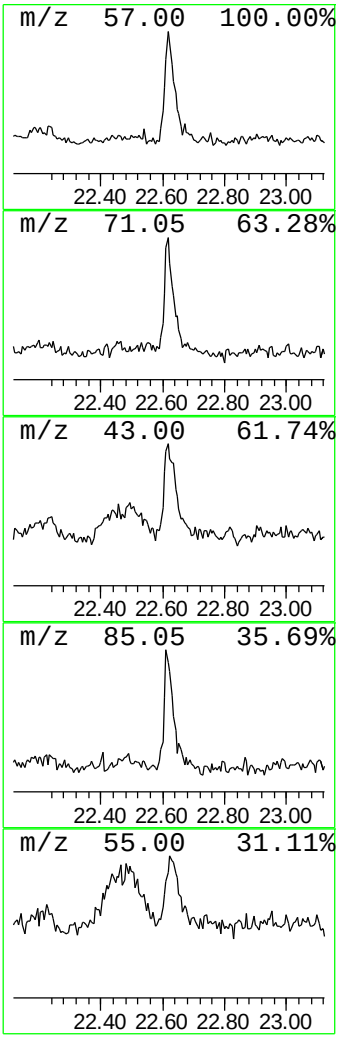
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.62 | 3.57 ng/ul | 369779 | Chrysene-d12 | 21.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 60 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 60 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 60 |
| 5 | Heptadecane, 2-methyl- | 254 | C18H38 | 001560-89-0 | 53 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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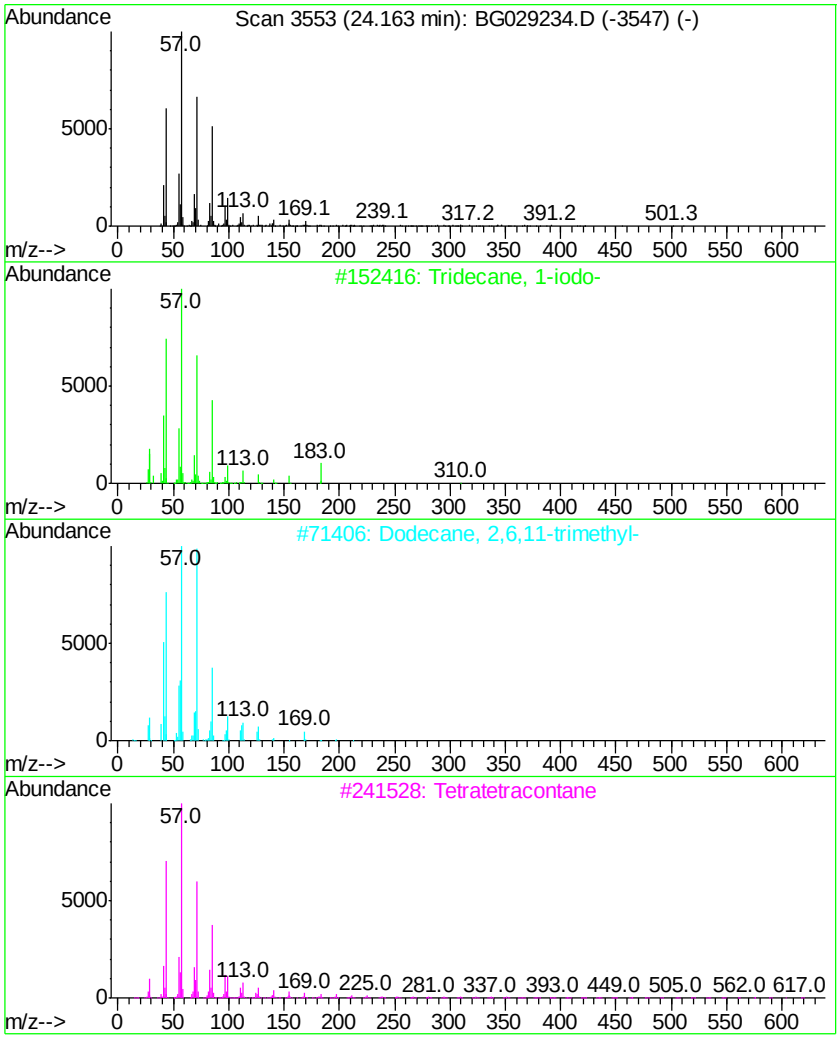
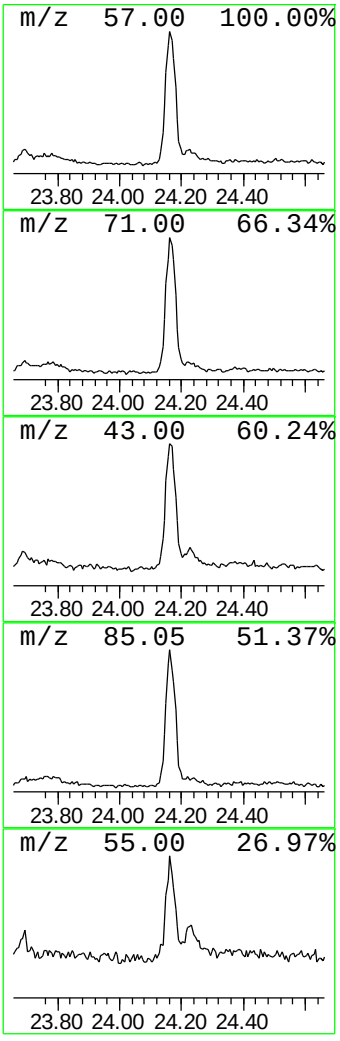
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.16 | 5.73 ng/ul | 680723 | Perylene-d12 | 25.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 96 |
| 2 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 78 |
| 3 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 68 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 64 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 64 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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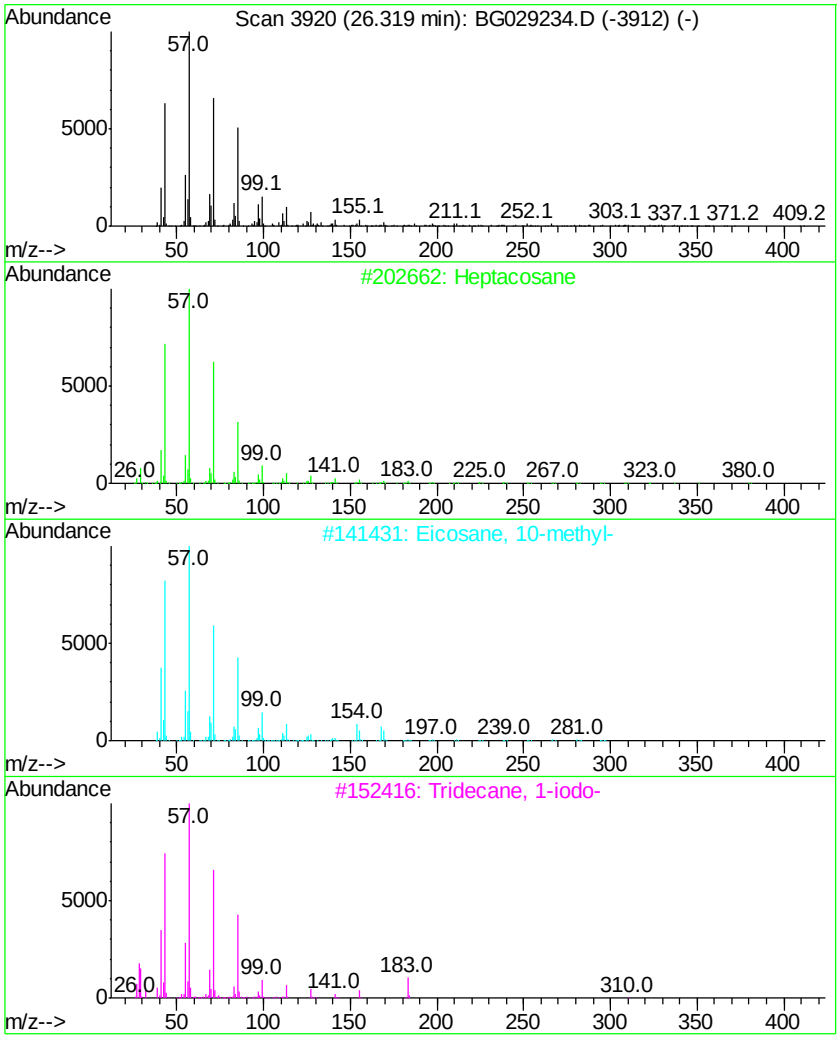
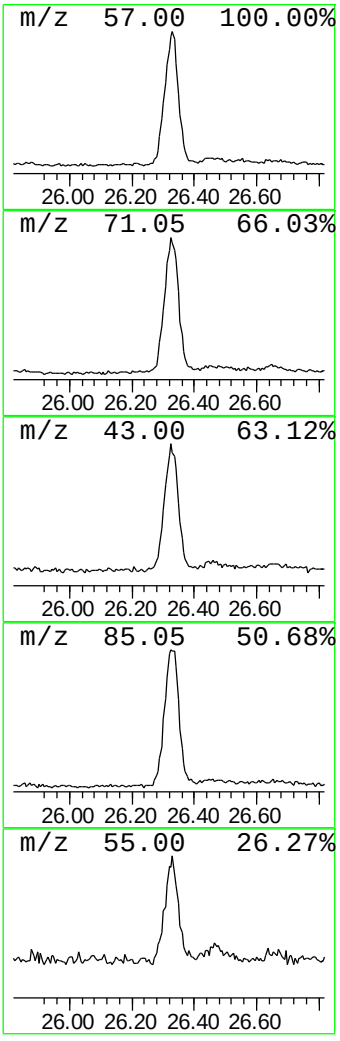
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.32 | 9.63 ng/ul | 1144610 | Perylene-d12 | 25.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 96 |
| 2 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 90 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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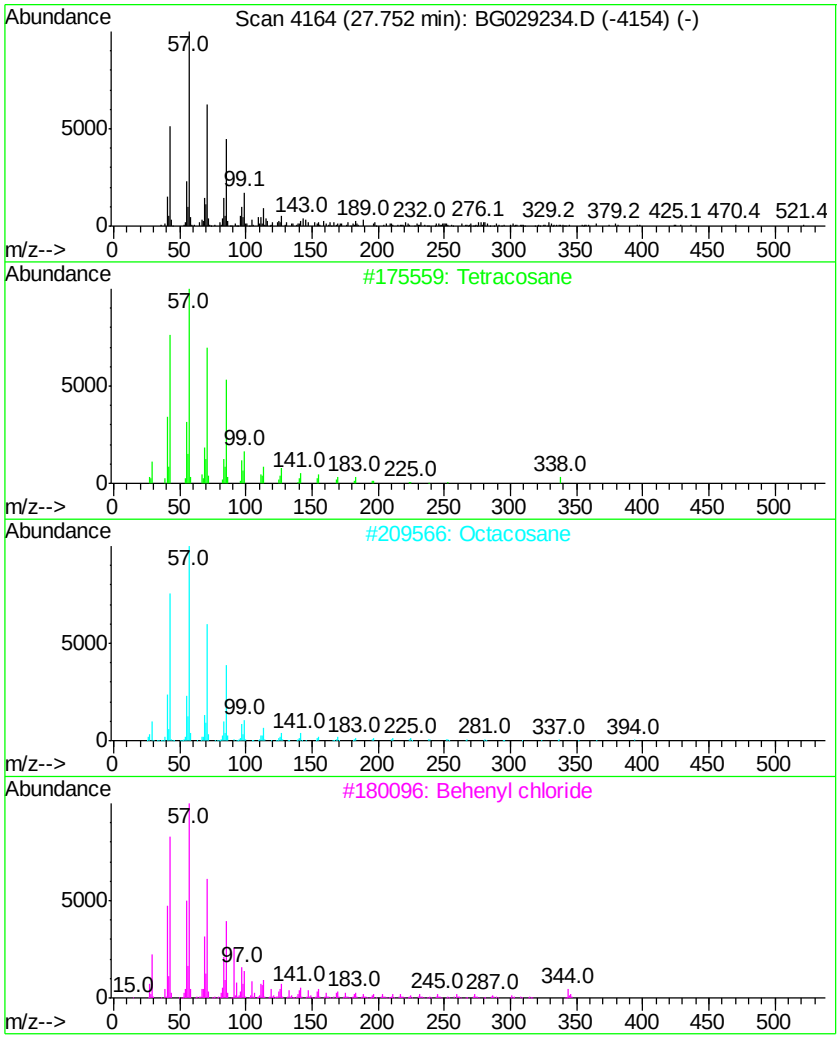
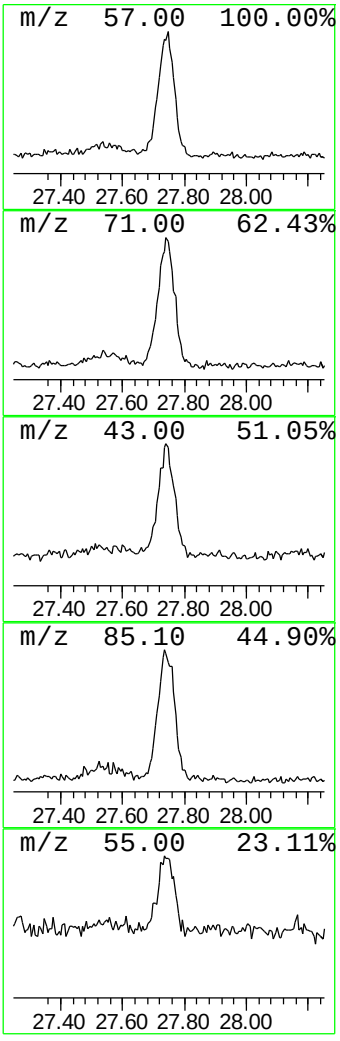
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 27.75 | 4.95 ng/ul | 587818 | Perylene-d12 | 25.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 3 | Behenyl chloride | 344 | C22H45Cl | 042217-03-8 | 86 |
| 4 | 10-Methylnonadecane | 282 | C20H42 | 056862-62-5 | 86 |
| 5 | Tricosane, 2-methyl- | 338 | C24H50 | 001928-30-9 | 83 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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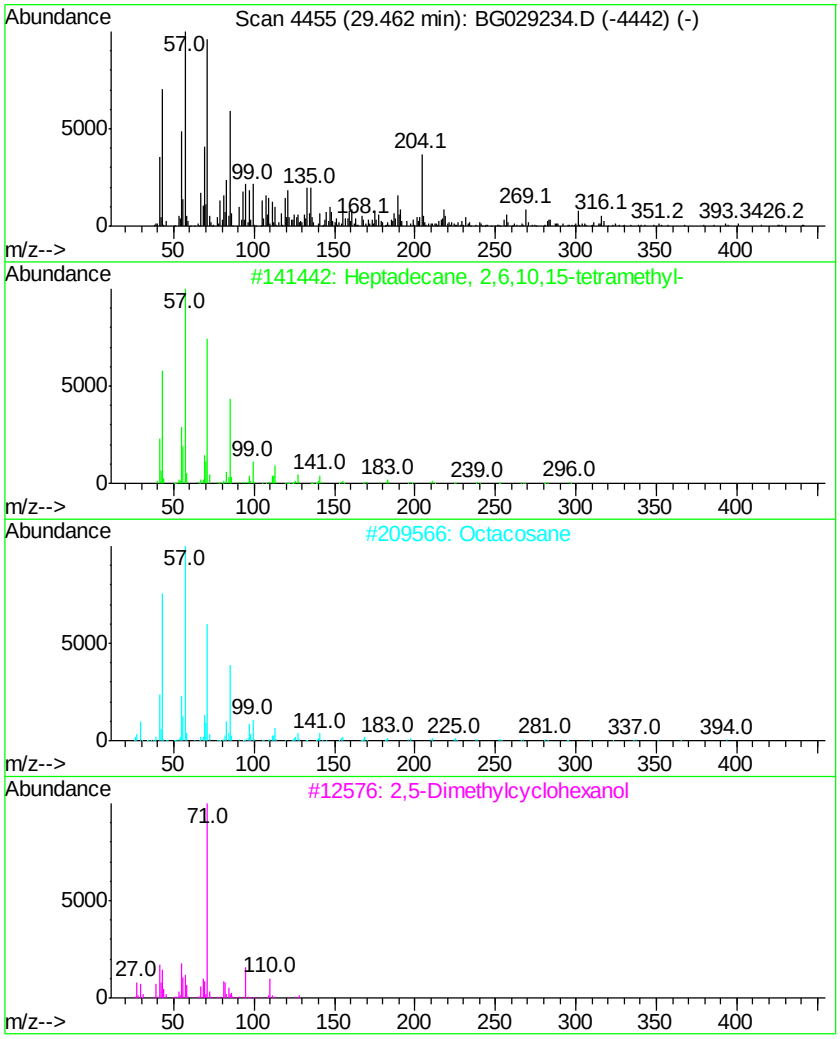
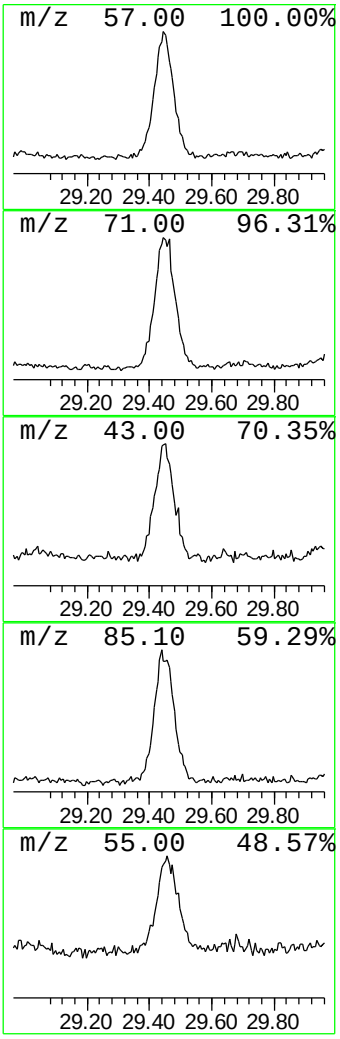
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.46 | 13.87 ng/ul | 1648280 | Perylene-d12 | 25.11 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 70 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 49 |
| 3 | 2,5-Dimethylcyclohexanol | 128 | C8H16O | 003809-32-3 | 38 |
| 4 | 1,2-Cyclohexanedicarboxylic acid... | 340 | C18H28O6 | 1000339-90-6 | 38 |
| 5 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 38 |



# Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG101517\
Data File : BG029234.D
Acq On : 14 Oct 2017 22:13
Operator : SJ/JU
Sample : I5548-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA 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 |
| (1R)-2,6,6-Trimet... | 6.85 | 4.5 | ng/ul | 165756 | 1 | 8.18 | 743926 | 20.0 |
| Caryophyllene | 14.12 | 9.5 | ng/ul | 755571 | 3 | 14.79 | 1584810 | 20.0 |
| n-Hexadecanoic acid | 18.40 | 8.2 | ng/ul | 789639 | 4 | 17.53 | 1925180 | 20.0 |
| Octadecanoic acid | 19.66 | 5.0 | ng/ul | 483090 | 4 | 17.53 | 1925180 | 20.0 |
| Cinnamyl cinnamate | 21.24 | 39.4 | ng/ul | 4086630 | 5 | 21.80 | 2074300 | 20.0 |
| (DEL) Alkane: Cyc... | 21.42 | 4.1 | ng/ul | 422296 | 5 | 21.80 | 2074300 | 20.0 |
| (DEL) Alkane: Str... | 22.62 | 3.6 | ng/ul | 369779 | 5 | 21.80 | 2074300 | 20.0 |
| (DEL) Alkane: Str... | 24.16 | 5.7 | ng/ul | 680723 | 6 | 25.11 | 2377330 | 20.0 |
| (DEL) Alkane: Str... | 26.32 | 9.6 | ng/ul | 1144610 | 6 | 25.11 | 2377330 | 20.0 |
| (DEL) Alkane: Str... | 27.75 | 5.0 | ng/ul | 587818 | 6 | 25.11 | 2377330 | 20.0 |
| (DEL) Alkane: Str... | 29.46 | 13.9 | ng/ul | 1648280 | 6 | 25.11 | 2377330 | 20.0 |