LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

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_F\METHODS\8270-BF061918.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 | 5.190 | 481 | 485 | 497 | rBV | 90113 | 110217 | 10.40% | 0.858% |
| 2 | 5.601 | 551 | 555 | 570 | rBV | 1088426 | 1040321 | 98.12% | 8.094% |
| 3 | 6.607 | 722 | 726 | 740 | rBV | 1115144 | 1060256 | 100.00% | 8.249% |
| 4 | 6.737 | 744 | 748 | 751 | rBV | 1210241 | 1026460 | 96.81% | 7.986% |
| 5 | 6.960 | 782 | 786 | 789 | rBV | 410999 | 352795 | 33.27% | 2.745% |
| 6 | 7.113 | 808 | 812 | 816 | rBV | 954905 | 784086 | 73.95% | 6.100% |
| 7 | 7.525 | 877 | 882 | 891 | rBV | 623985 | 580765 | 54.78% | 4.518% |
| 8 | 8.172 | 989 | 992 | 995 | rBV | 145790 | 130431 | 12.30% | 1.015% |
| 9 | 8.242 | 1001 | 1004 | 1008 | rBV | 445683 | 391088 | 36.89% | 3.043% |
| 10 | 8.278 | 1008 | 1010 | 1014 | rVB2 | 18672 | 18256 | 1.72% | 0.142% |
| 11 | 8.478 | 1040 | 1044 | 1046 | rBV2 | 51525 | 49193 | 4.64% | 0.383% |
| 12 | 8.736 | 1086 | 1088 | 1091 | rBV2 | 29543 | 27079 | 2.55% | 0.211% |
| 13 | 8.807 | 1096 | 1100 | 1103 | rBV | 31665 | 31101 | 2.93% | 0.242% |
| 14 | 8.931 | 1118 | 1121 | 1124 | rVB | 42129 | 31673 | 2.99% | 0.246% |
| 15 | 9.060 | 1140 | 1143 | 1146 | rBV | 34956 | 36787 | 3.47% | 0.286% |
| 16 | 9.242 | 1171 | 1174 | 1177 | rBV2 | 22628 | 19897 | 1.88% | 0.155% |
| 17 | 9.313 | 1182 | 1186 | 1192 | rBV | 1194815 | 998699 | 94.19% | 7.770% |
| 18 | 9.372 | 1193 | 1196 | 1202 | rVB | 87886 | 100319 | 9.46% | 0.781% |
| 19 | 9.460 | 1208 | 1211 | 1214 | rVB2 | 30981 | 33506 | 3.16% | 0.261% |
| 20 | 9.566 | 1226 | 1229 | 1231 | rBV4 | 16583 | 14845 | 1.40% | 0.115% |
| 21 | 9.630 | 1236 | 1240 | 1242 | rBV3 | 21584 | 27802 | 2.62% | 0.216% |
| 22 | 9.666 | 1242 | 1246 | 1248 | rVV4 | 19252 | 26646 | 2.51% | 0.207% |
| 23 | 9.707 | 1248 | 1253 | 1257 | rVB2 | 152786 | 180737 | 17.05% | 1.406% |
| 24 | 9.854 | 1272 | 1278 | 1279 | rBV3 | 23849 | 27918 | 2.63% | 0.217% |
| 25 | 9.907 | 1283 | 1287 | 1291 | rVV | 124400 | 112042 | 10.57% | 0.872% |
| 26 | 9.954 | 1291 | 1295 | 1300 | rVV2 | 96300 | 129963 | 12.26% | 1.011% |
| 27 | 10.001 | 1300 | 1303 | 1308 | rVV2 | 501504 | 428649 | 40.43% | 3.335% |
| 28 | 10.054 | 1308 | 1312 | 1315 | rVB4 | 18302 | 31853 | 3.00% | 0.248% |
| 29 | 10.095 | 1315 | 1319 | 1323 | rBV6 | 22785 | 31587 | 2.98% | 0.246% |
| 30 | 10.142 | 1323 | 1327 | 1329 | rBV3 | 23683 | 33453 | 3.16% | 0.260% |
| 31 | 10.166 | 1329 | 1331 | 1334 | rVB2 | 36626 | 28056 | 2.65% | 0.218% |
| 32 | 10.201 | 1334 | 1337 | 1339 | rBV3 | 40721 | 42056 | 3.97% | 0.327% |
| 33 | 10.225 | 1339 | 1341 | 1346 | rBV2 | 27612 | 39090 | 3.69% | 0.304% |
| 34 | 10.266 | 1346 | 1348 | 1352 | rVB2 | 28010 | 26484 | 2.50% | 0.206% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

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_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.325 | 1353 | 1358 | 1360 | rBV5 | 30315 | 54698 | 5.16% | 0.426% |
| 36 | 10.407 | 1369 | 1372 | 1374 | rBV | 174343 | 132270 | 12.48% | 1.029% |
| 37 | 10.436 | 1374 | 1377 | 1379 | rVB3 | 34519 | 28609 | 2.70% | 0.223% |
| 38 | 10.525 | 1389 | 1392 | 1393 | rBV3 | 15465 | 17664 | 1.67% | 0.137% |
| 39 | 10.625 | 1405 | 1409 | 1412 | rBV | 146366 | 162175 | 15.30% | 1.262% |
| 40 | 10.648 | 1412 | 1413 | 1416 | rVB3 | 23338 | 19124 | 1.80% | 0.149% |
| 41 | 10.683 | 1416 | 1419 | 1421 | rVB3 | 24855 | 22296 | 2.10% | 0.173% |
| 42 | 10.713 | 1421 | 1424 | 1428 | rBV3 | 27845 | 34175 | 3.22% | 0.266% |
| 43 | 10.748 | 1428 | 1430 | 1435 | rVB4 | 42595 | 33554 | 3.16% | 0.261% |
| 44 | 10.801 | 1435 | 1439 | 1445 | rBV | 619561 | 657165 | 61.98% | 5.113% |
| 45 | 10.854 | 1445 | 1448 | 1450 | rBV | 52423 | 52800 | 4.98% | 0.411% |
| 46 | 10.889 | 1450 | 1454 | 1457 | rBV2 | 217510 | 317554 | 29.95% | 2.471% |
| 47 | 11.036 | 1476 | 1479 | 1483 | rBV | 126903 | 126029 | 11.89% | 0.981% |
| 48 | 11.072 | 1483 | 1485 | 1487 | rVV | 35953 | 33148 | 3.13% | 0.258% |
| 49 | 11.107 | 1489 | 1491 | 1493 | rVB | 42166 | 33010 | 3.11% | 0.257% |
| 50 | 11.166 | 1499 | 1501 | 1505 | rVB4 | 38216 | 43269 | 4.08% | 0.337% |
| 51 | 11.207 | 1505 | 1508 | 1510 | rBV | 43871 | 43530 | 4.11% | 0.339% |
| 52 | 11.330 | 1526 | 1529 | 1531 | rBV | 175375 | 124186 | 11.71% | 0.966% |
| 53 | 11.360 | 1531 | 1534 | 1536 | rVV | 259716 | 219723 | 20.72% | 1.709% |
| 54 | 11.501 | 1554 | 1558 | 1564 | rBV | 443302 | 456113 | 43.02% | 3.549% |
| 55 | 11.577 | 1569 | 1571 | 1574 | rBV3 | 42166 | 44416 | 4.19% | 0.346% |
| 56 | 11.642 | 1579 | 1582 | 1586 | rBV2 | 86312 | 124016 | 11.70% | 0.965% |
| 57 | 11.713 | 1591 | 1594 | 1596 | rBV | 65398 | 69608 | 6.57% | 0.542% |
| 58 | 11.760 | 1599 | 1602 | 1605 | rVB | 141470 | 113027 | 10.66% | 0.879% |
| 59 | 11.801 | 1605 | 1609 | 1612 | rBV | 75726 | 117133 | 11.05% | 0.911% |
| 60 | 12.019 | 1644 | 1646 | 1649 | rBV3 | 45091 | 52270 | 4.93% | 0.407% |
| 61 | 12.166 | 1669 | 1671 | 1674 | rBV | 151105 | 137639 | 12.98% | 1.071% |
| 62 | 12.283 | 1689 | 1691 | 1696 | rBV | 67203 | 79580 | 7.51% | 0.619% |
| 63 | 12.448 | 1716 | 1719 | 1723 | rVB | 196498 | 166774 | 15.73% | 1.298% |
| 64 | 12.554 | 1735 | 1737 | 1739 | rBV2 | 138154 | 123303 | 11.63% | 0.959% |
| 65 | 12.930 | 1799 | 1801 | 1803 | rBV | 108336 | 87218 | 8.23% | 0.679% |
| 66 | 13.083 | 1823 | 1827 | 1830 | rVB | 995626 | 841718 | 79.39% | 6.549% |
| 67 | 14.160 | 2008 | 2010 | 2014 | rBV | 280972 | 281205 | 26.52% | 2.188% |

Sum of corrected areas: 12853109

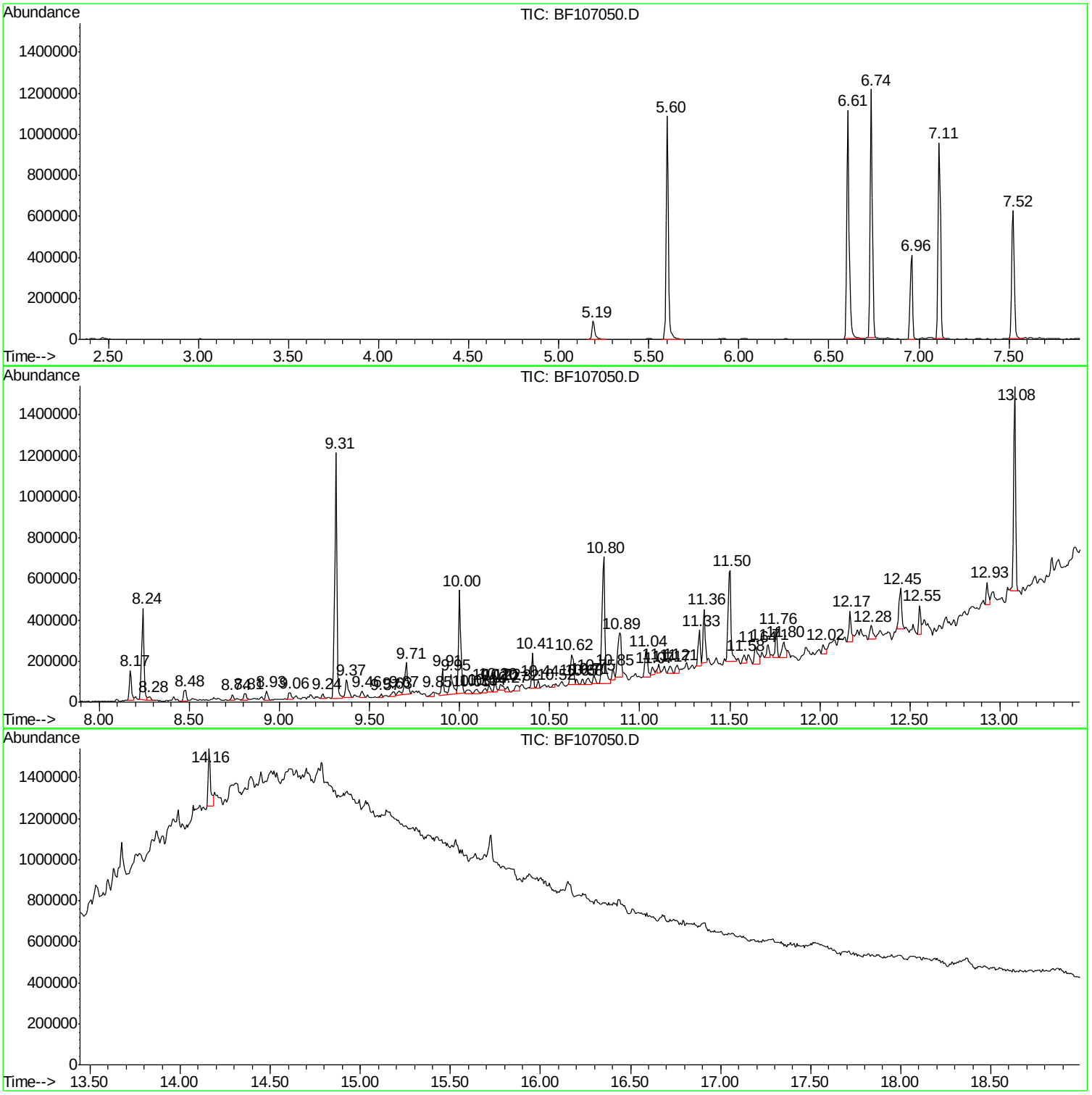
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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 F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

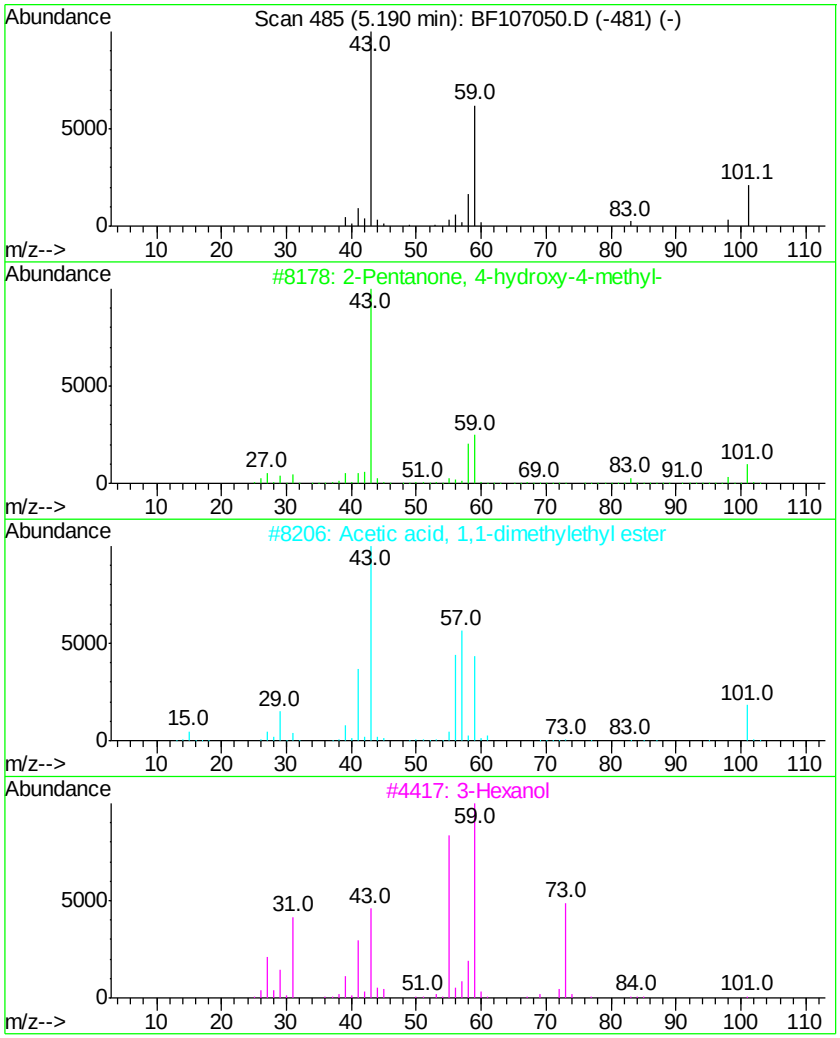
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

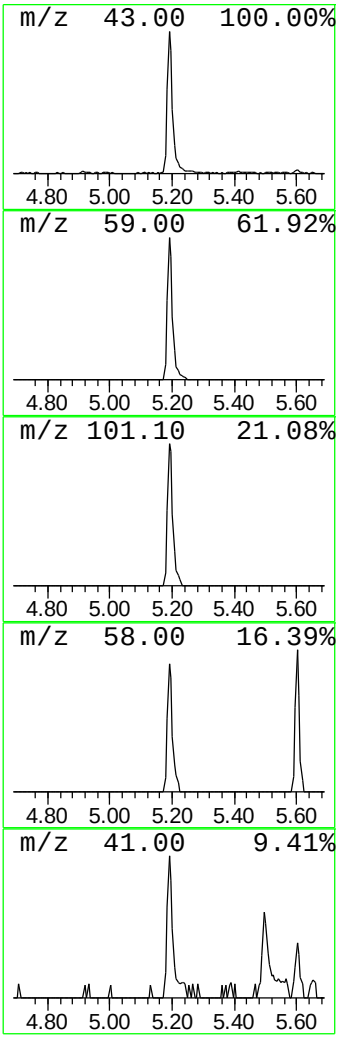
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.19 | 6.25 ng | 110217 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 28 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 25 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

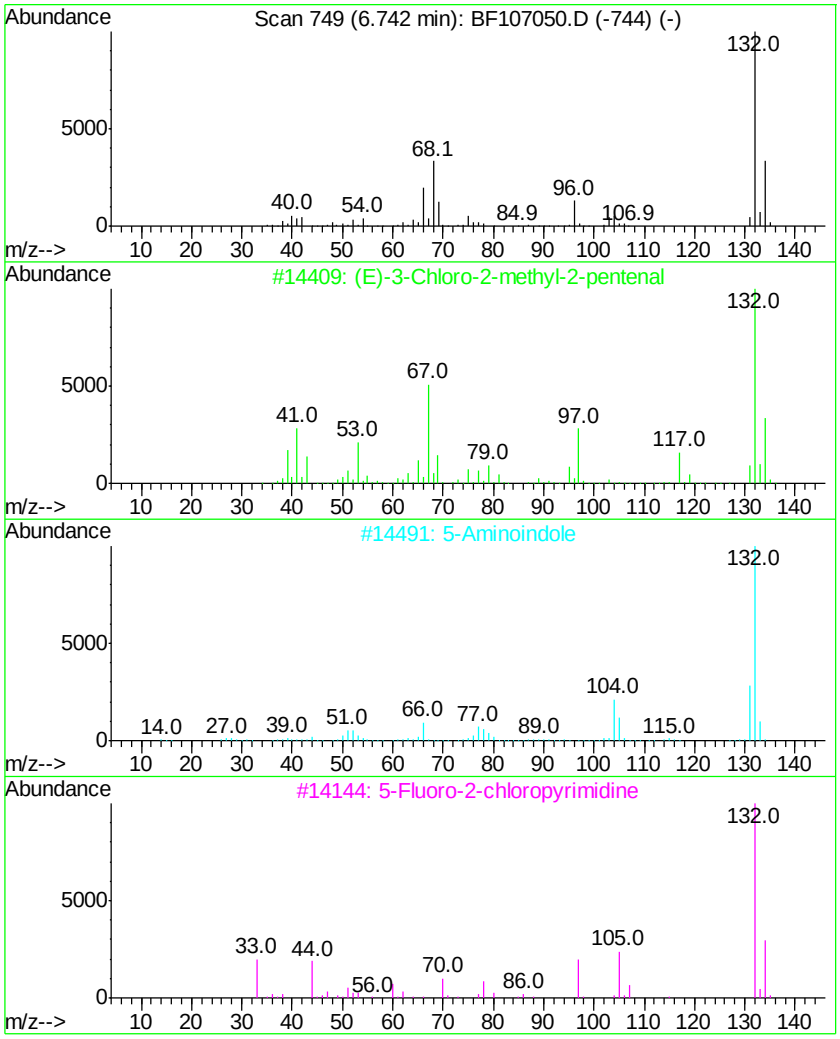
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

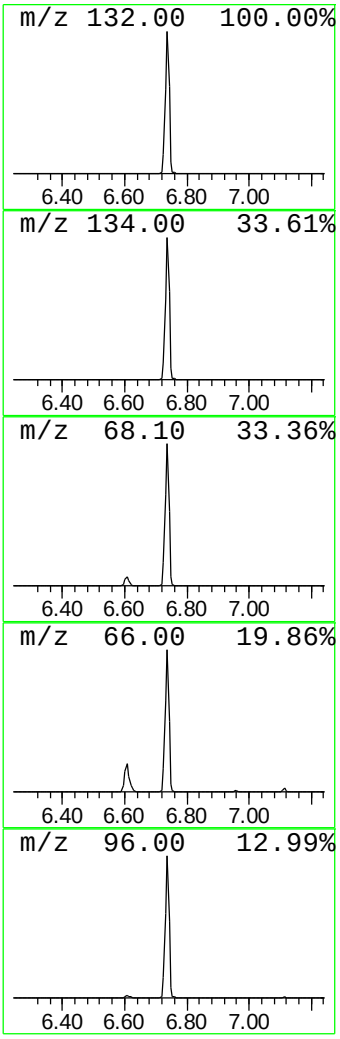
**********

Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.74 | 58.19 ng | 1026460 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

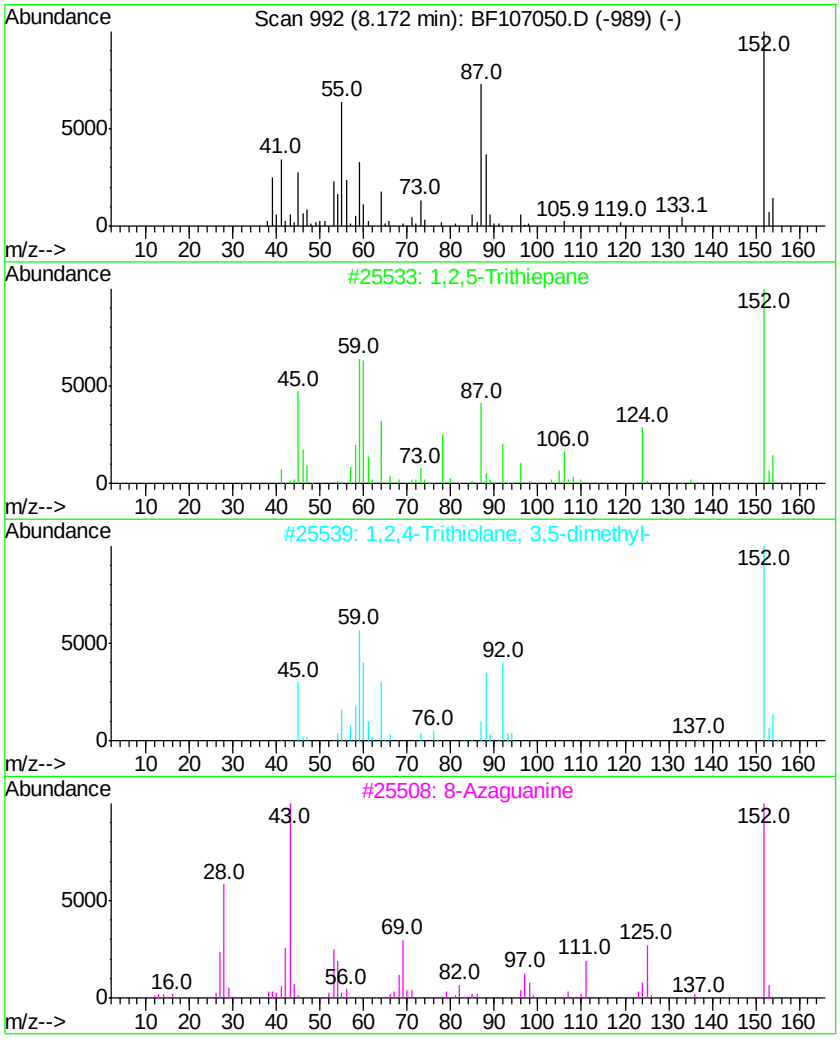
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

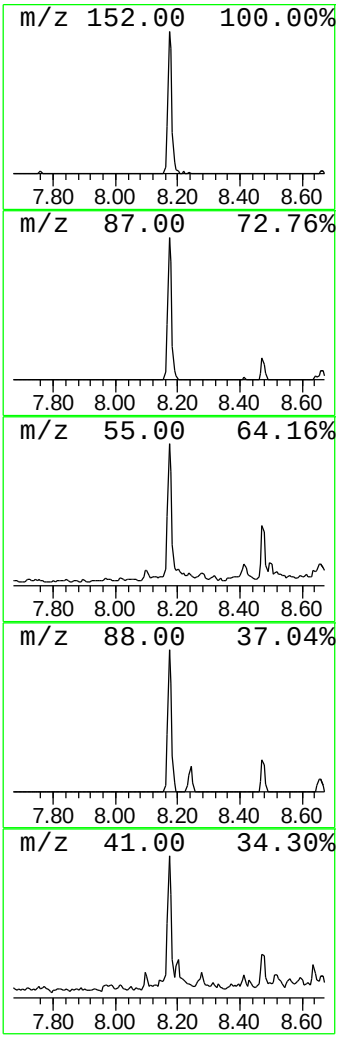
**********

Peak Number 4 unknown8.17 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.17 | 6.67 ng | 130431 | Naphthalene-d8 | 8.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,5-Trithiepane | 152 | C4H8S3 | 006576-93-8 | 38 |
| 2 | 1,2,4-Trithiolane, 3,5-dimethyl- | 152 | C4H8S3 | 023654-92-4 | 38 |
| 3 | 8-Azaguanine | 152 | C4H4N6O | 000134-58-7 | 27 |
| 4 | 2-Chlorobenzimidazole | 152 | C7H5ClN2 | 004857-06-1 | 22 |
| 5 | 3-Ethyl-3-heptanol | 144 | C9H20O | 019780-41-7 | 14 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

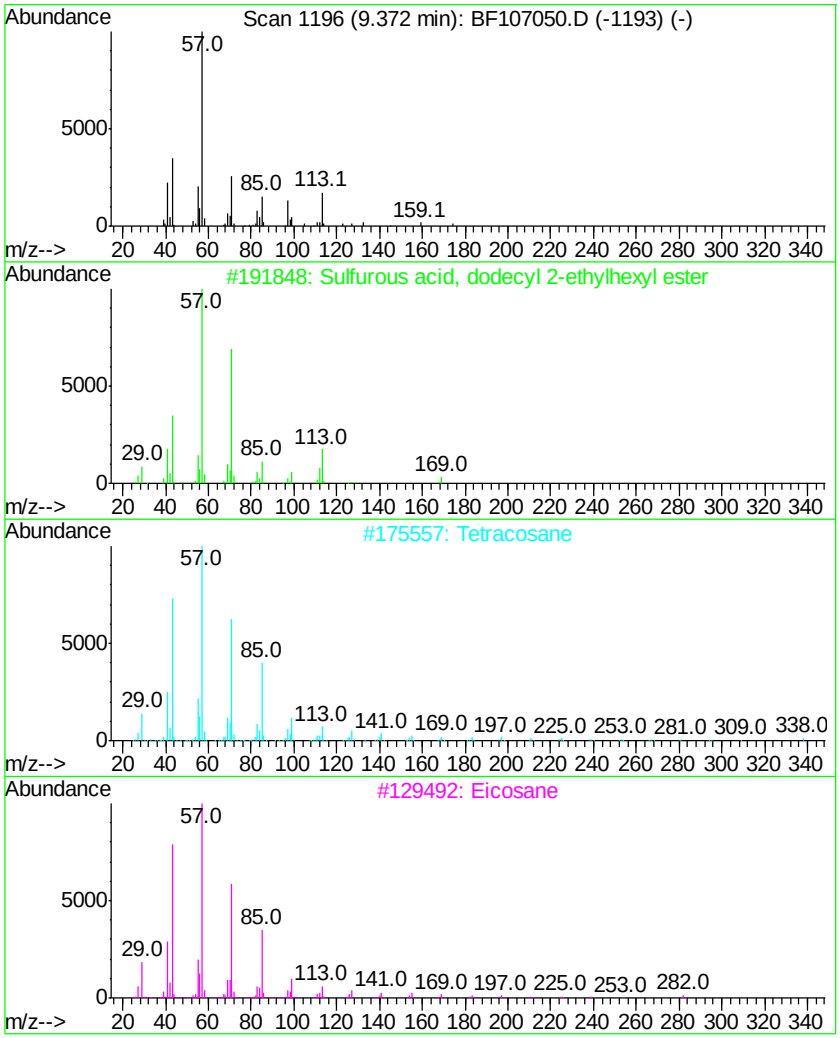
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

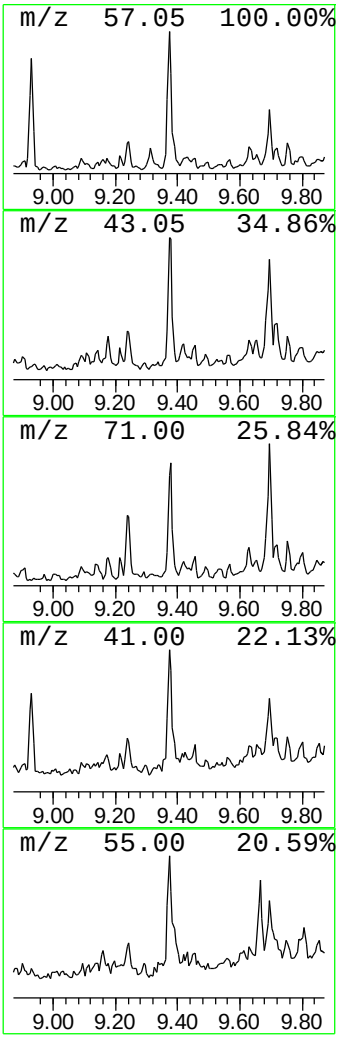
**********

Peak Number 5 Sulfurous acid, dodecyl 2-e... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.37 | 4.68 ng | 100319 | Acenaphthene-d10 | 10.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 50 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 50 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 50 |
| 4 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 50 |
| 5 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 50 |



Library Search Compound Report

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Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

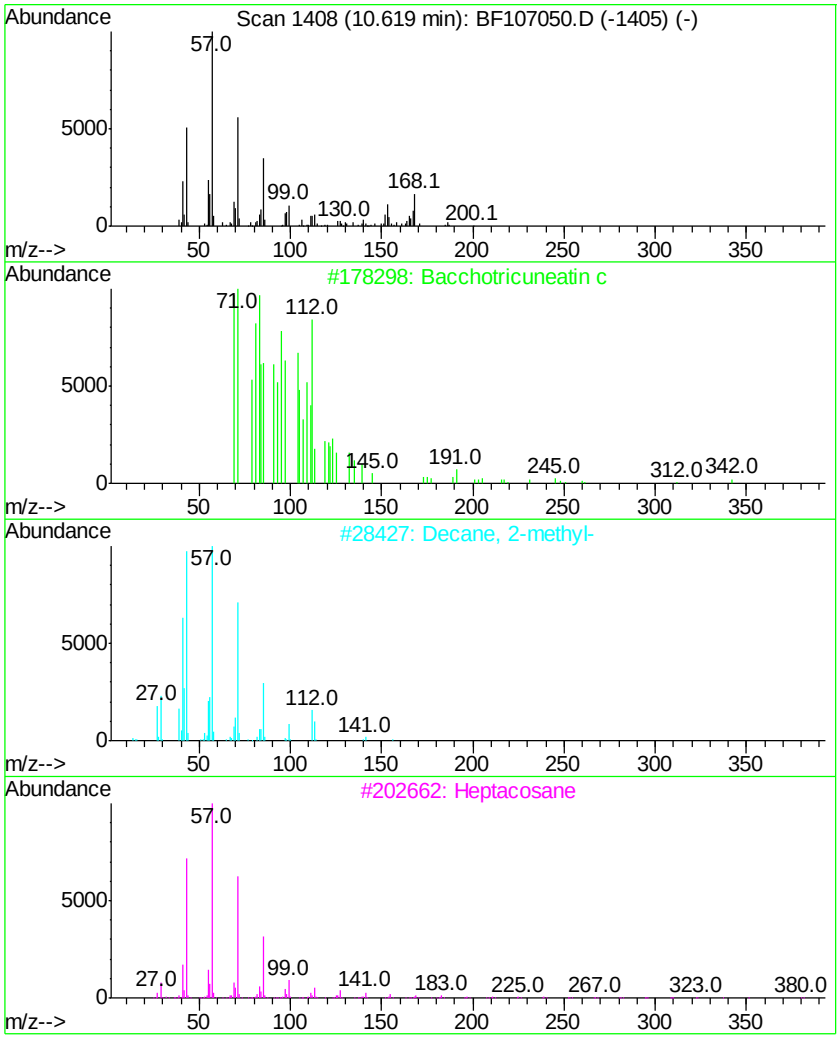
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

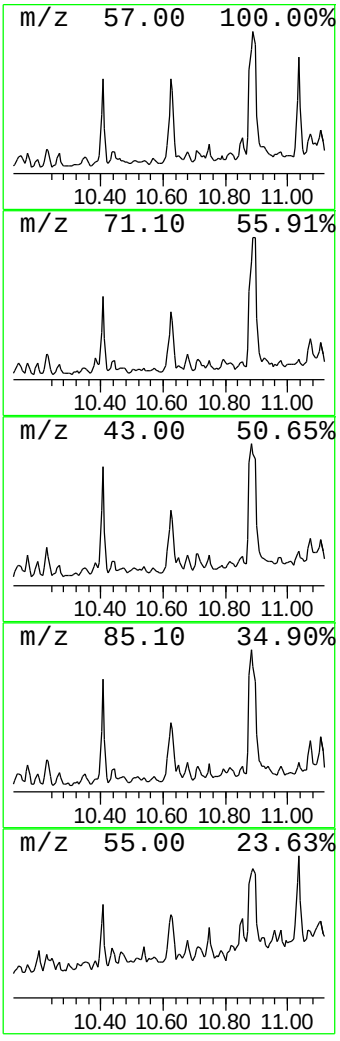
**********

Peak Number 8 Bacchotricuneatin c Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.62 | 7.57 ng | 162175 | Acenaphthene-d10 | 10.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 91 |
| 2 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 81 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 4 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 64 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

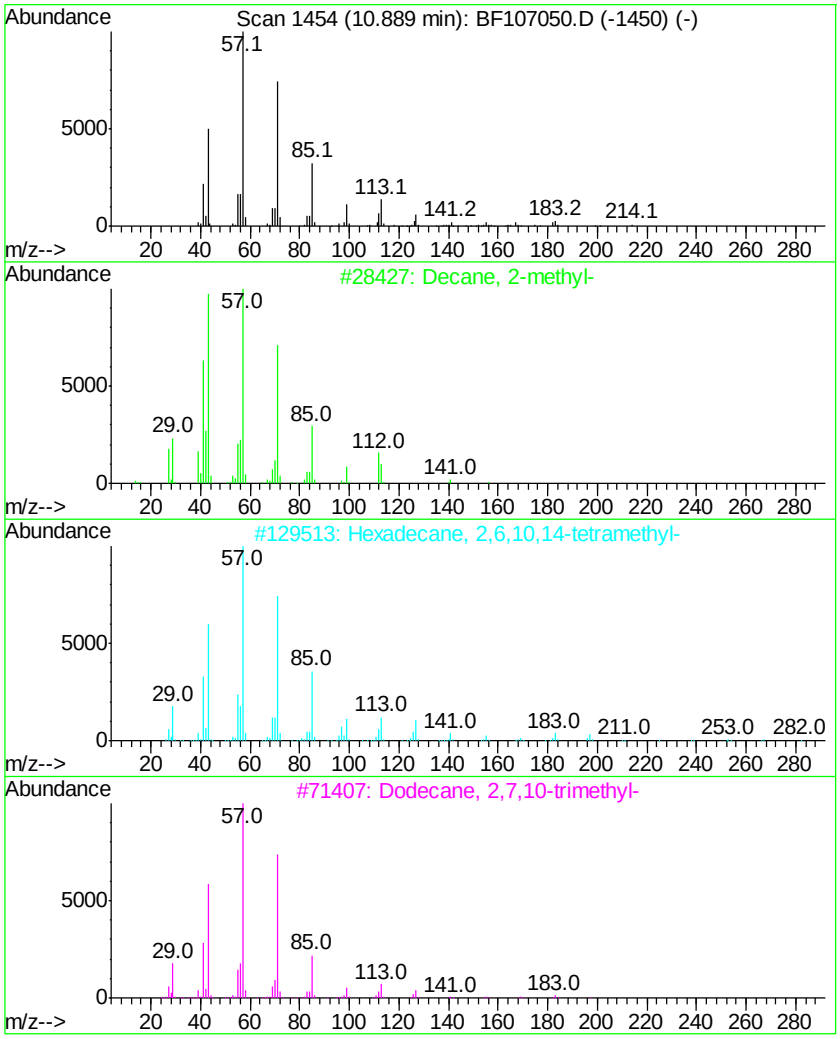
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

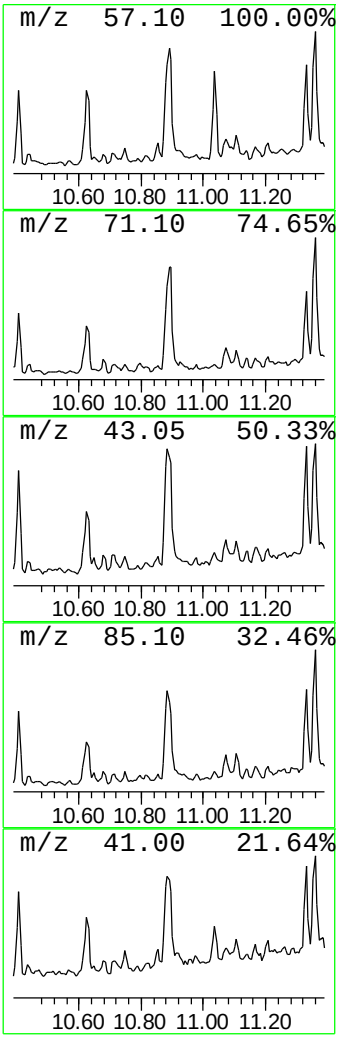
**********

Peak Number 9 Decane, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.89 | 13.92 ng | 317554 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 90 |
| 2 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 90 |
| 3 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 90 |
| 4 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 86 |
| 5 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

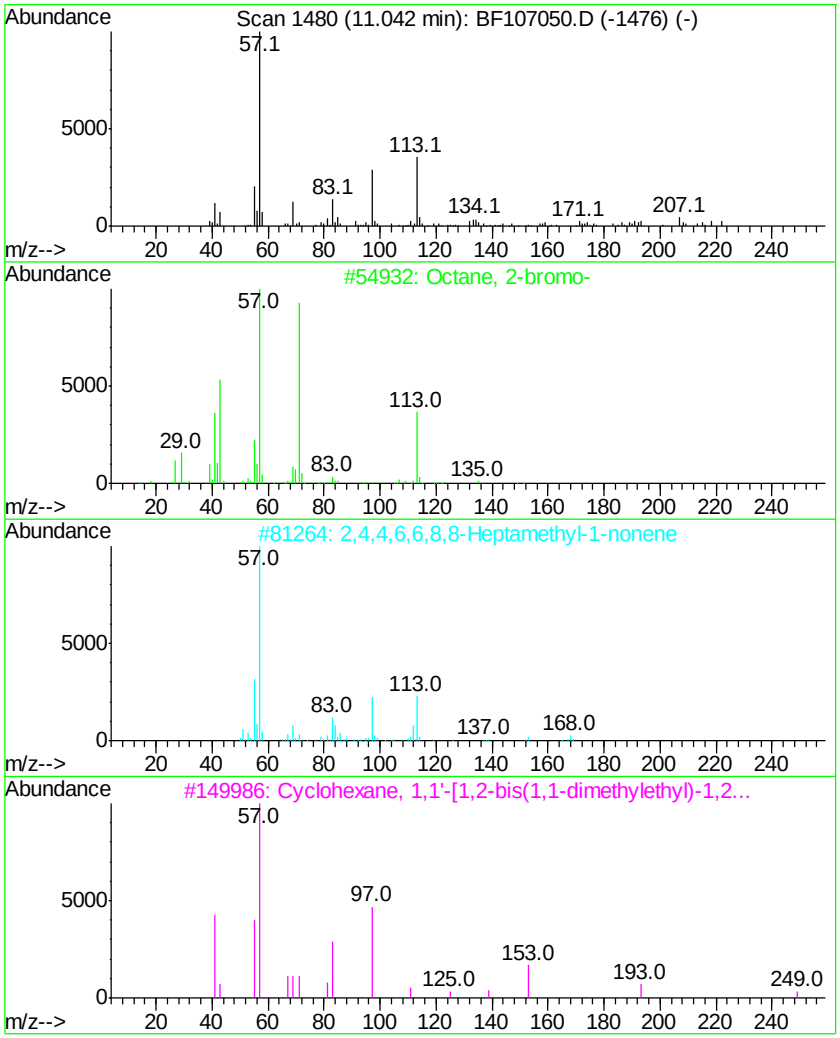
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

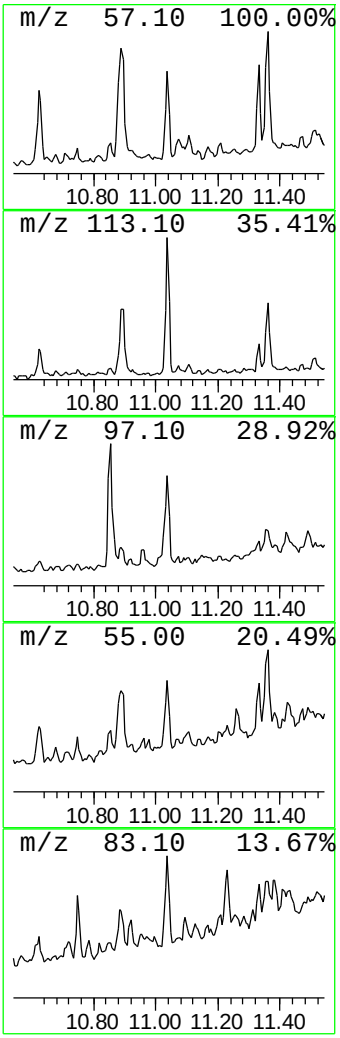
**********

Peak Number 10 unknown11.04 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.04 | 5.53 ng | 126029 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 43 |
| 2 | 2,4,4,6,6,8,8-Heptamethyl-1-nonene | 224 | C16H32 | 015796-04-0 | 42 |
| 3 | Cyclohexane, 1,1'-[1,2-bis(1,1-d... | 306 | C22H42 | 065149-85-1 | 38 |
| 4 | 2,2-Dimethyl-3-pentanol, chlorod... | 228 | C9H15ClF2O2 | 1000376-26-4 | 38 |
| 5 | 2,4,4-Trimethyl-1-pentanol, pent... | 276 | C11H17F5O2 | 1000365-51-0 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

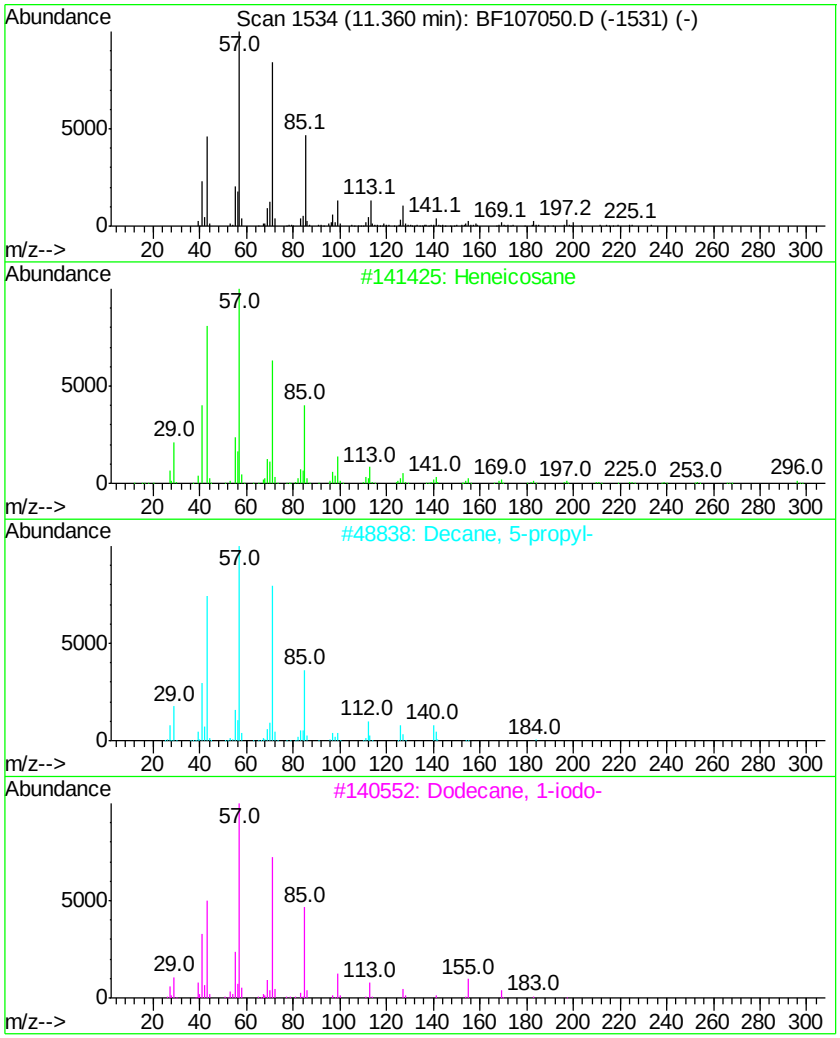
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

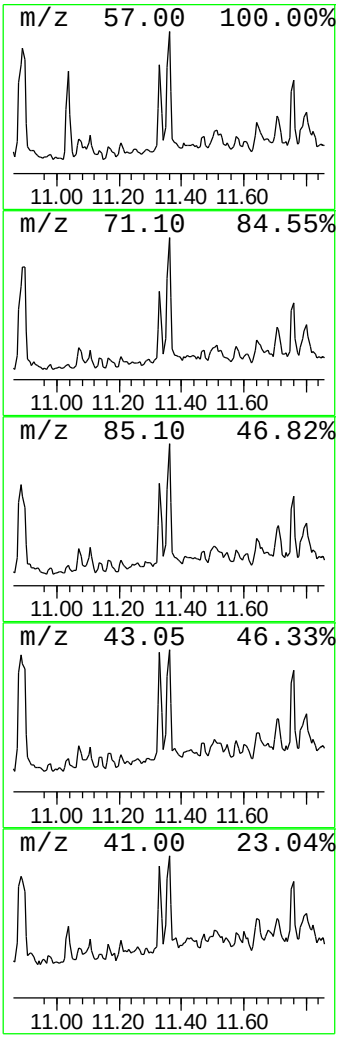
**********

Peak Number 12 Heneicosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.36 | 9.63 ng | 219723 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 2 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 80 |
| 3 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 72 |
| 4 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 72 |
| 5 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 68 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

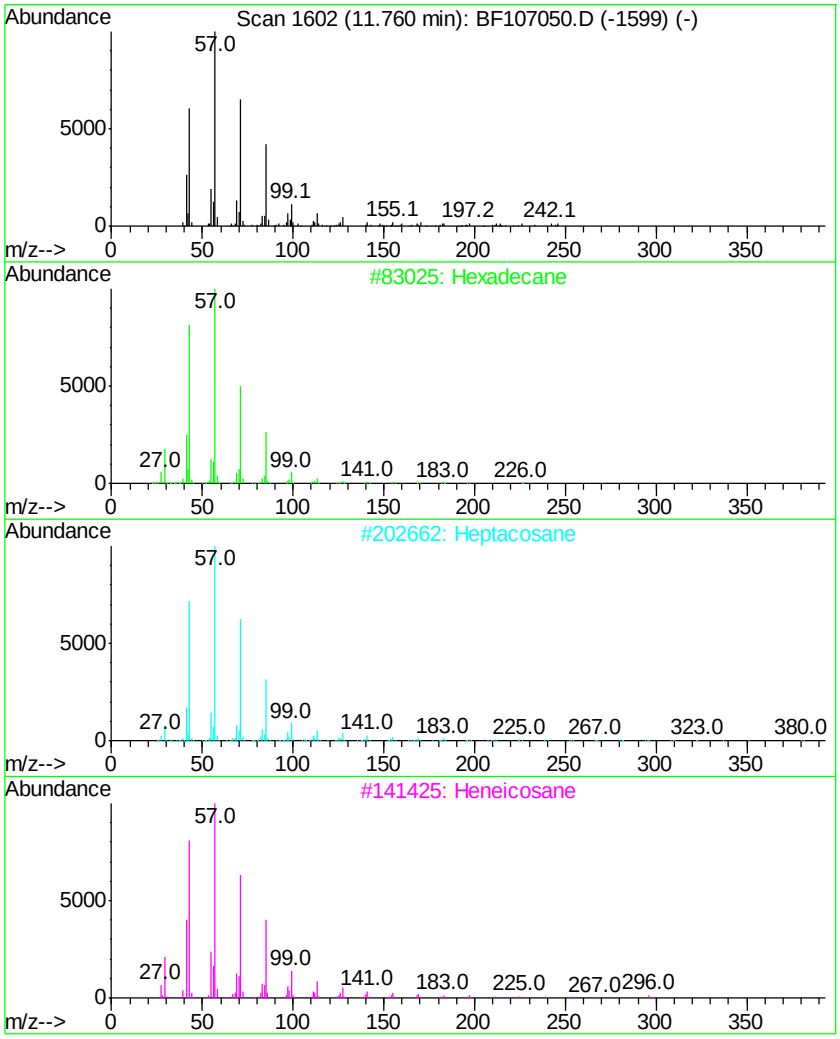
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

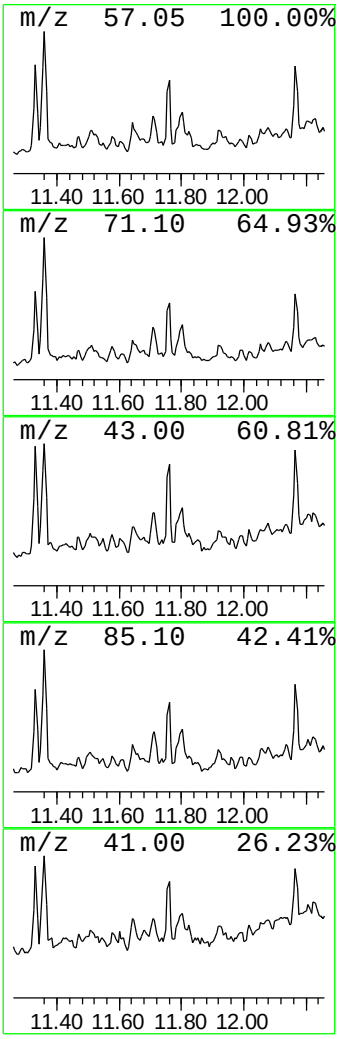
**********

Peak Number 14 Hexadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.76 | 4.96 ng | 113027 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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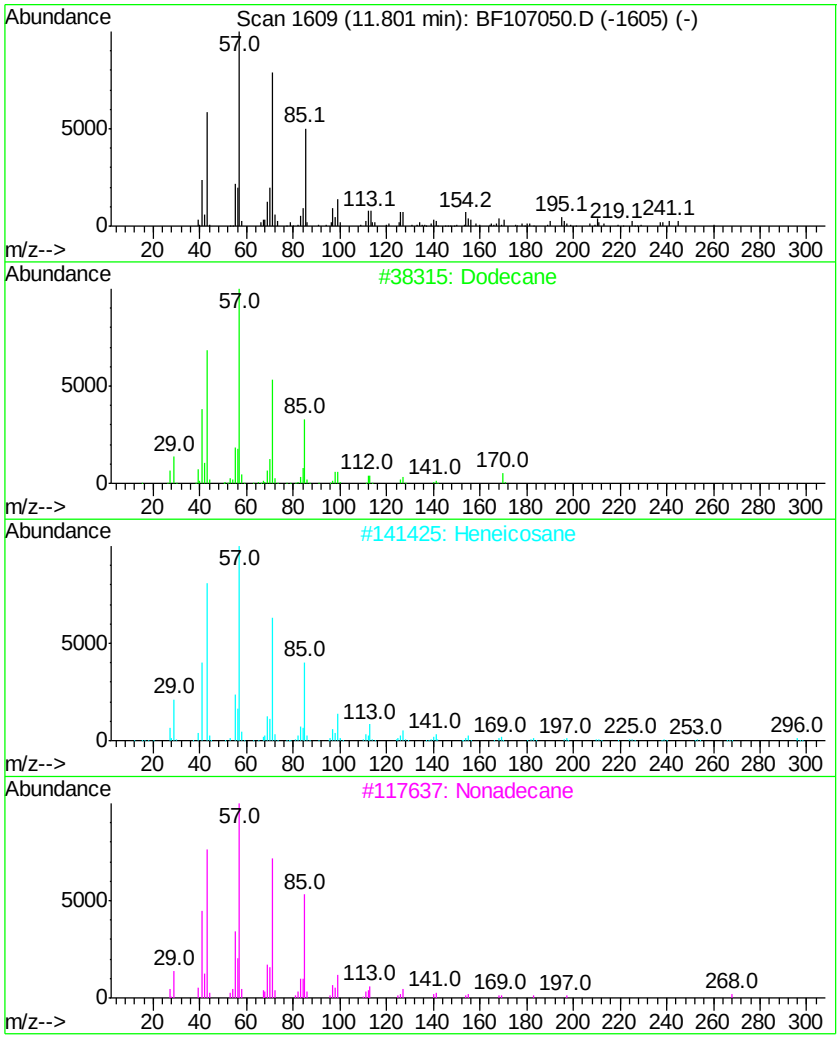
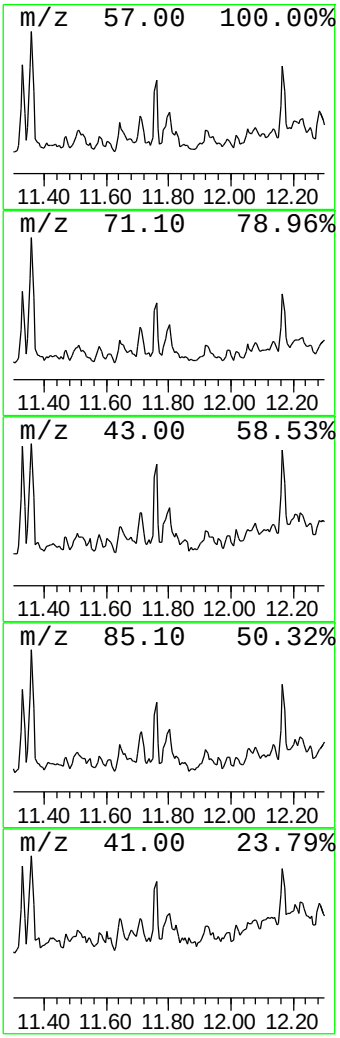
Peak Number 15 Dodecane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.80 | 5.14 ng | 117133 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 4 | Heptadecane, 8-methyl- | 254 | C18H38 | 013287-23-5 | 78 |
| 5 | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 78 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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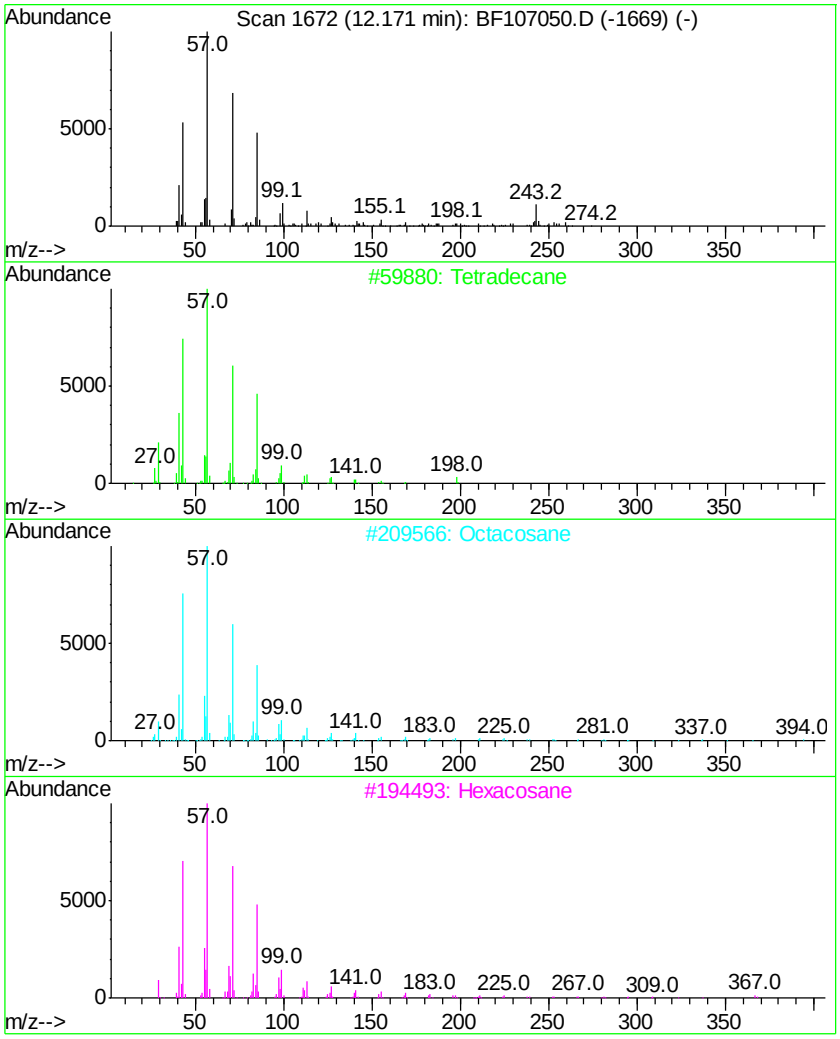
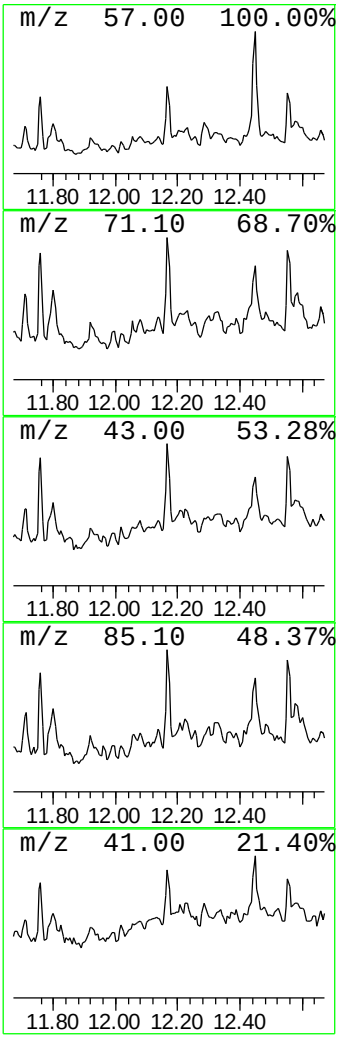
Peak Number 16 Tetradecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.17 | 6.04 ng | 137639 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 83 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

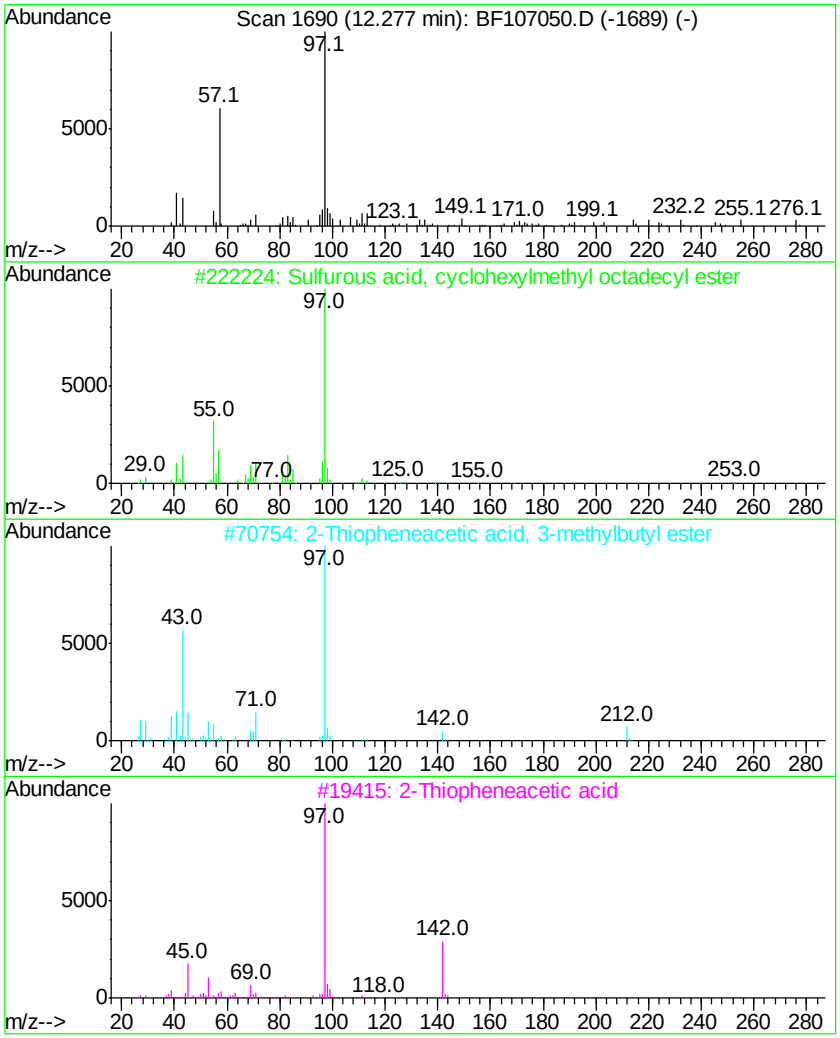
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

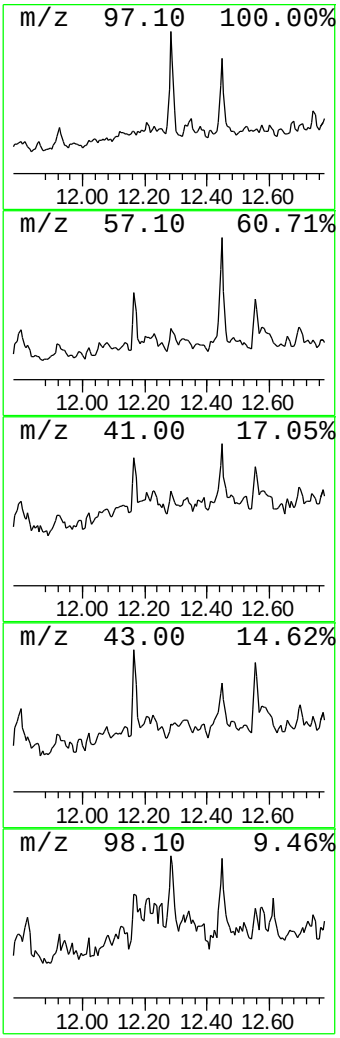
**********

Peak Number 17 Sulfurous acid, cyclohexylm... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.28 | 3.49 ng | 79580 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, cyclohexylmethyl... | 430 | C25H50O3S | 1000309-22-6 | 72 |
| 2 | 2-Thiopheneacetic acid, 3-methyl... | 212 | C11H16O2S | 1000278-95-5 | 59 |
| 3 | 2-Thiopheneacetic acid | 142 | C6H6O2S | 001918-77-0 | 59 |
| 4 | Sulfurous acid, cyclohexylmethyl... | 416 | C24H48O3S | 1000309-22-5 | 56 |
| 5 | 2-Thiopheneacetic acid, allyl ester | 182 | C9H10O2S | 1000278-98-5 | 53 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

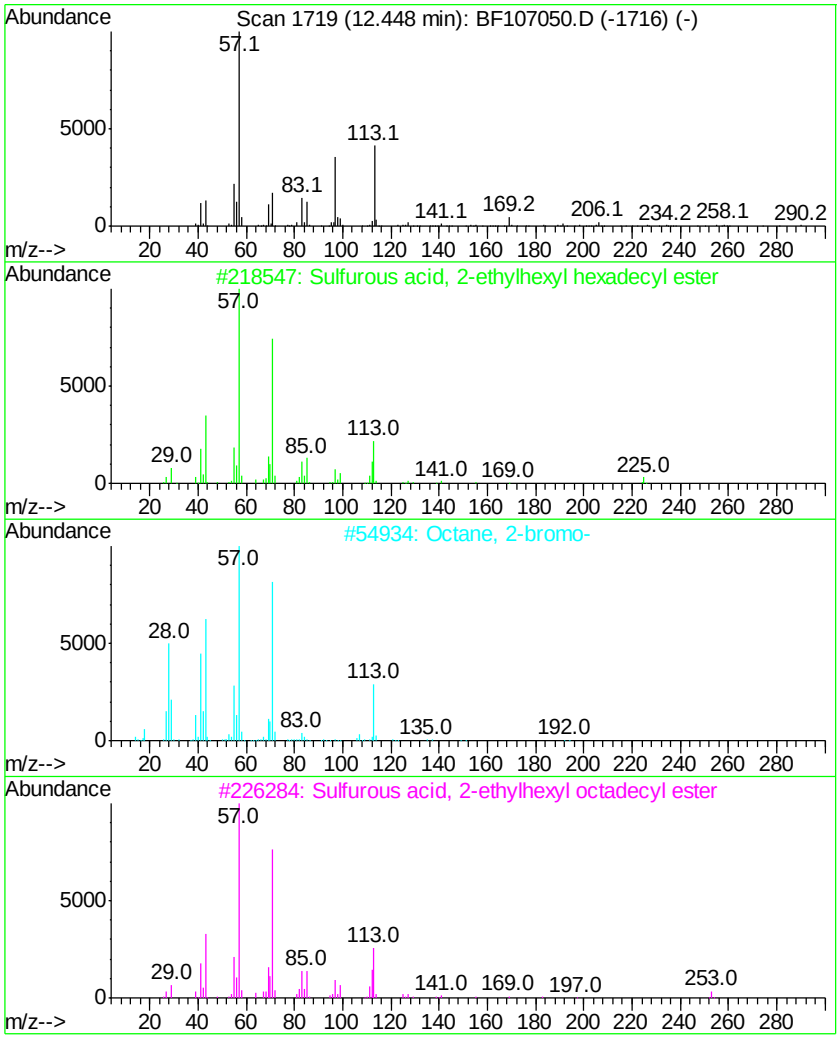
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

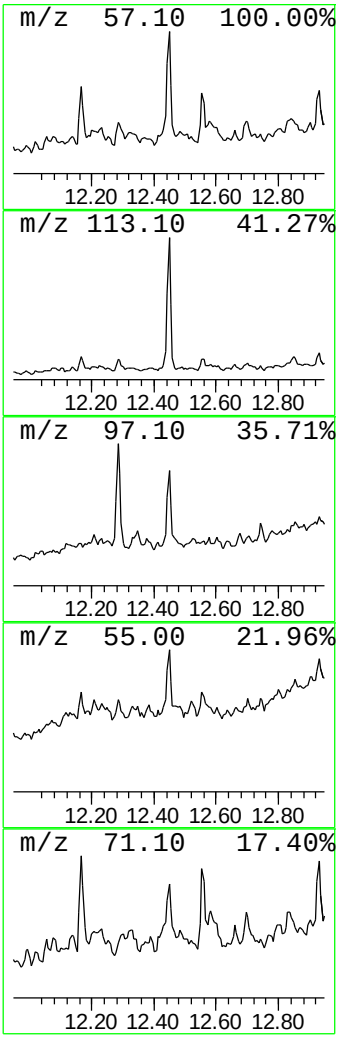
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 Sulfurous acid, 2-ethylhexy... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.45 | 7.31 ng | 166774 | Phenanthrene-d10 | 11.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, 2-ethylhexyl hex... | 418 | C24H50O3S | 1000309-19-9 | 38 |
| 2 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 37 |
| 3 | Sulfurous acid, 2-ethylhexyl oct... | 446 | C26H54O3S | 1000309-20-1 | 32 |
| 4 | 6,10,13-Trimethyltetradecanol | 256 | C17H36O | 1000131-71-0 | 32 |
| 5 | 2,4,4-Trimethyl-1-pentanol, hept... | 326 | C12H17F7O2 | 1000365-01-4 | 27 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070218\
Data File : BF107050.D
Acq On : 2 Jul 2018 17:55
Operator : JU/SJ
Sample : J3629-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A0C20-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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 |
| 2-Pentanone, 4-hy... | 5.19 | 6.3 | ng | 110217 | 1 | 6.96 | 352795 | 20.0 |
| unknown6.74 | 6.74 | 58.2 | ng | 1026460 | 1 | 6.96 | 352795 | 20.0 |
| unknown8.17 | 8.17 | 6.7 | ng | 130431 | 2 | 8.24 | 391088 | 20.0 |
| Sulfurous acid, d... | 9.37 | 4.7 | ng | 100319 | 3 | 10.00 | 428649 | 20.0 |
| Bacchotricuneatin c | 10.62 | 7.6 | ng | 162175 | 3 | 10.00 | 428649 | 20.0 |
| Decane, 2-methyl- | 10.89 | 13.9 | ng | 317554 | 4 | 11.50 | 456113 | 20.0 |
| unknown11.04 | 11.04 | 5.5 | ng | 126029 | 4 | 11.50 | 456113 | 20.0 |
| Heneicosane | 11.36 | 9.6 | ng | 219723 | 4 | 11.50 | 456113 | 20.0 |
| Hexadecane | 11.76 | 5.0 | ng | 113027 | 4 | 11.50 | 456113 | 20.0 |
| Dodecane | 11.80 | 5.1 | ng | 117133 | 4 | 11.50 | 456113 | 20.0 |
| Tetradecane | 12.17 | 6.0 | ng | 137639 | 4 | 11.50 | 456113 | 20.0 |
| Sulfurous acid, c... | 12.28 | 3.5 | ng | 79580 | 4 | 11.50 | 456113 | 20.0 |
| Sulfurous acid, 2... | 12.45 | 7.3 | ng | 166774 | 4 | 11.50 | 456113 | 20.0 |