LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

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-BF110619.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 | 2.228 | 18 | 24 | 35 | rVB | 1293407 | 1714905 | 22.93% | 1.954% |
| 2 | 5.145 | 515 | 520 | 528 | rVB | 1236542 | 1492472 | 19.96% | 1.701% |
| 3 | 5.539 | 582 | 587 | 591 | rBV | 5747911 | 6312906 | 84.41% | 7.195% |
| 4 | 6.545 | 752 | 758 | 763 | rBV | 6146906 | 6964656 | 93.12% | 7.937% |
| 5 | 6.698 | 779 | 784 | 787 | rBV | 6544752 | 6837791 | 91.43% | 7.793% |
| 6 | 6.928 | 819 | 823 | 826 | rBV | 2543561 | 2005844 | 26.82% | 2.286% |
| 7 | 7.086 | 846 | 850 | 853 | rVB | 5944555 | 5130479 | 68.60% | 5.847% |
| 8 | 7.486 | 913 | 918 | 921 | rBV | 4575488 | 4347902 | 58.14% | 4.955% |
| 9 | 8.216 | 1037 | 1042 | 1045 | rBV | 3065794 | 2728119 | 36.48% | 3.109% |
| 10 | 9.292 | 1220 | 1225 | 1228 | rBV | 8257730 | 7478831 | 100.00% | 8.523% |
| 11 | 9.686 | 1289 | 1292 | 1296 | rBV | 882682 | 826414 | 11.05% | 0.942% |
| 12 | 9.833 | 1314 | 1317 | 1321 | rBV | 214005 | 238844 | 3.19% | 0.272% |
| 13 | 9.892 | 1321 | 1327 | 1331 | rVB3 | 127320 | 210873 | 2.82% | 0.240% |
| 14 | 9.975 | 1337 | 1341 | 1345 | rVB | 3717587 | 3252656 | 43.49% | 3.707% |
| 15 | 10.233 | 1383 | 1385 | 1388 | rBV3 | 102635 | 107817 | 1.44% | 0.123% |
| 16 | 10.292 | 1393 | 1395 | 1397 | rBV2 | 113919 | 114434 | 1.53% | 0.130% |
| 17 | 10.386 | 1408 | 1411 | 1416 | rBV4 | 219511 | 322992 | 4.32% | 0.368% |
| 18 | 10.633 | 1449 | 1453 | 1456 | rBV | 451652 | 529472 | 7.08% | 0.603% |
| 19 | 10.769 | 1471 | 1476 | 1479 | rBV | 5371798 | 5285627 | 70.67% | 6.024% |
| 20 | 10.898 | 1494 | 1498 | 1501 | rBV | 1735887 | 1709468 | 22.86% | 1.948% |
| 21 | 11.369 | 1575 | 1578 | 1584 | rVB | 1435065 | 1509766 | 20.19% | 1.721% |
| 22 | 11.469 | 1592 | 1595 | 1597 | rBV | 3500909 | 3009966 | 40.25% | 3.430% |
| 23 | 11.492 | 1597 | 1599 | 1602 | rVB | 1211434 | 943300 | 12.61% | 1.075% |
| 24 | 11.716 | 1635 | 1637 | 1641 | rBV2 | 486526 | 467107 | 6.25% | 0.532% |
| 25 | 11.998 | 1682 | 1685 | 1688 | rVB2 | 1378166 | 1245799 | 16.66% | 1.420% |
| 26 | 12.686 | 1799 | 1802 | 1807 | rVB | 2083457 | 1878474 | 25.12% | 2.141% |
| 27 | 12.921 | 1839 | 1842 | 1846 | rVB | 1728393 | 1647562 | 22.03% | 1.878% |
| 28 | 13.063 | 1862 | 1866 | 1869 | rBV | 6169892 | 6078347 | 81.27% | 6.927% |
| 29 | 13.957 | 2015 | 2018 | 2025 | rVB2 | 1335895 | 1467462 | 19.62% | 1.672% |
| 30 | 14.115 | 2041 | 2045 | 2048 | rBV2 | 2420646 | 3096962 | 41.41% | 3.529% |
| 31 | 14.145 | 2048 | 2050 | 2057 | rVB | 1035130 | 958501 | 12.82% | 1.092% |
| 32 | 14.904 | 2177 | 2179 | 2183 | rVB | 259493 | 250781 | 3.35% | 0.286% |
| 33 | 14.986 | 2190 | 2193 | 2197 | rBV2 | 466537 | 498487 | 6.67% | 0.568% |
| 34 | 15.180 | 2221 | 2226 | 2229 | rBV2 | 899083 | 1438444 | 19.23% | 1.639% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

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-BF110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.262 | 2237 | 2240 | 2242 | rBV | 227473 | 238913 | 3.19% | 0.272% |
| 36 | 15.492 | 2276 | 2279 | 2286 | rVB | 583627 | 693131 | 9.27% | 0.790% |
| 37 | 15.556 | 2286 | 2290 | 2294 | rVV | 490498 | 595024 | 7.96% | 0.678% |
| 38 | 15.627 | 2297 | 2302 | 2305 | rVV | 1650016 | 2229290 | 29.81% | 2.541% |
| 39 | 15.662 | 2305 | 2308 | 2314 | rVB3 | 357973 | 533050 | 7.13% | 0.607% |
| 40 | 16.121 | 2382 | 2386 | 2391 | rBV2 | 181356 | 284319 | 3.80% | 0.324% |
| 41 | 17.145 | 2554 | 2560 | 2568 | rBV2 | 293428 | 579678 | 7.75% | 0.661% |
| 42 | 17.603 | 2633 | 2638 | 2648 | rVB | 230464 | 488292 | 6.53% | 0.556% |

Sum of corrected areas: 87745157

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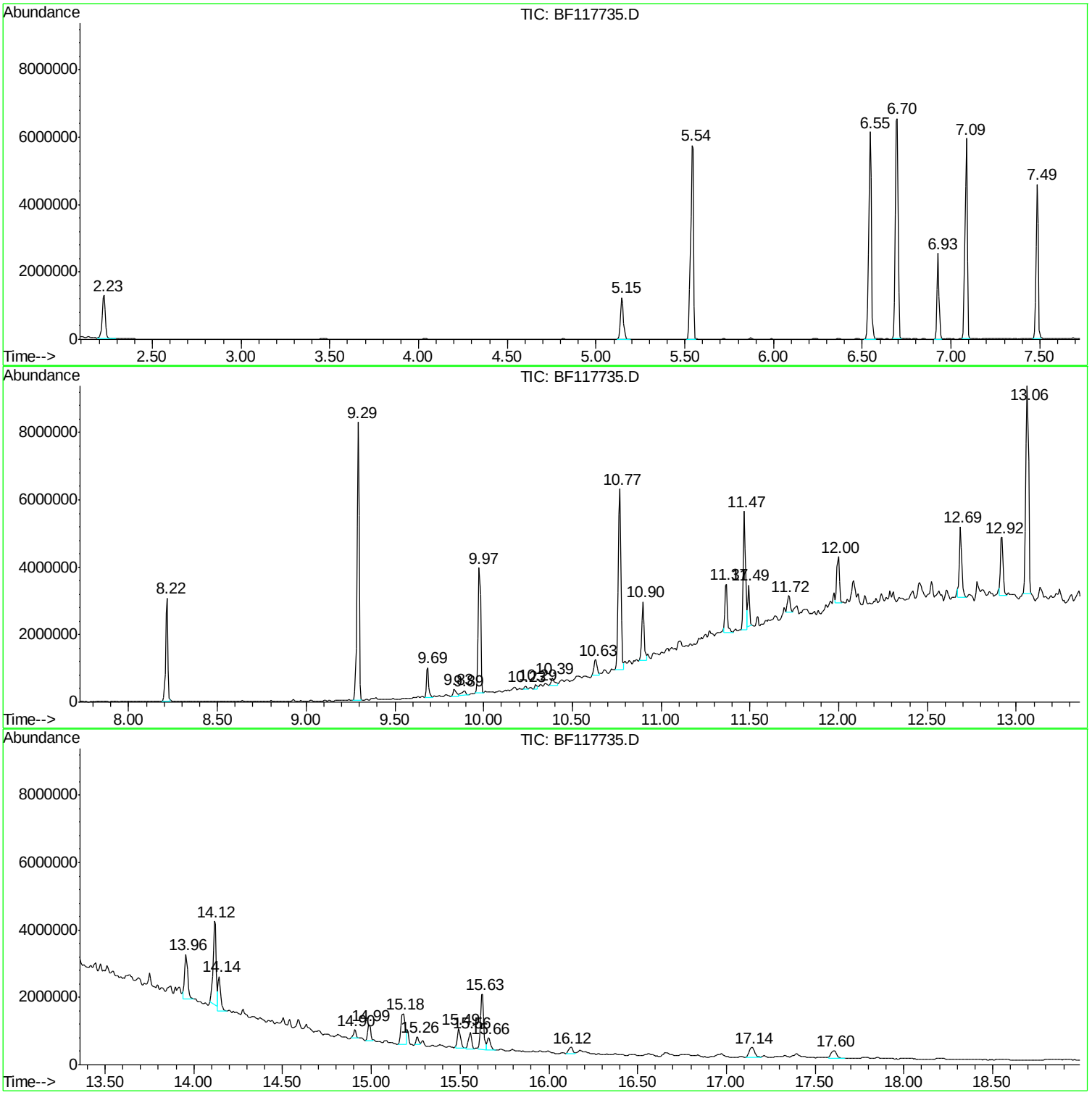
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

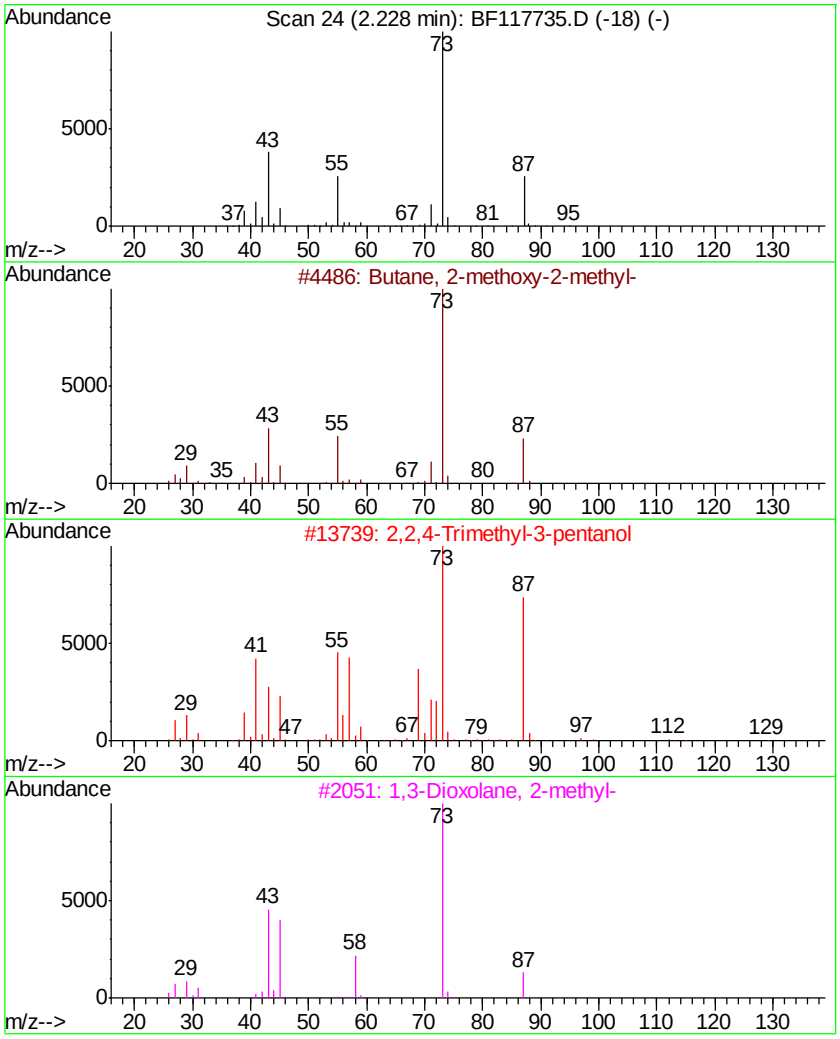
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

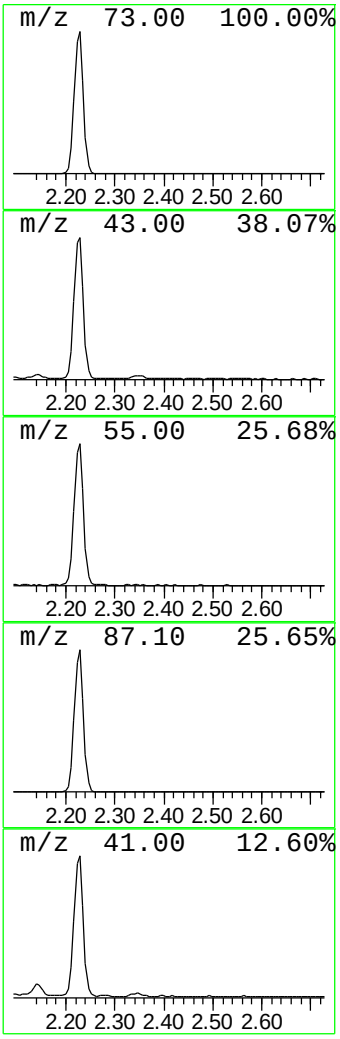
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.23 | 17.10 ng | 1714910 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 10 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

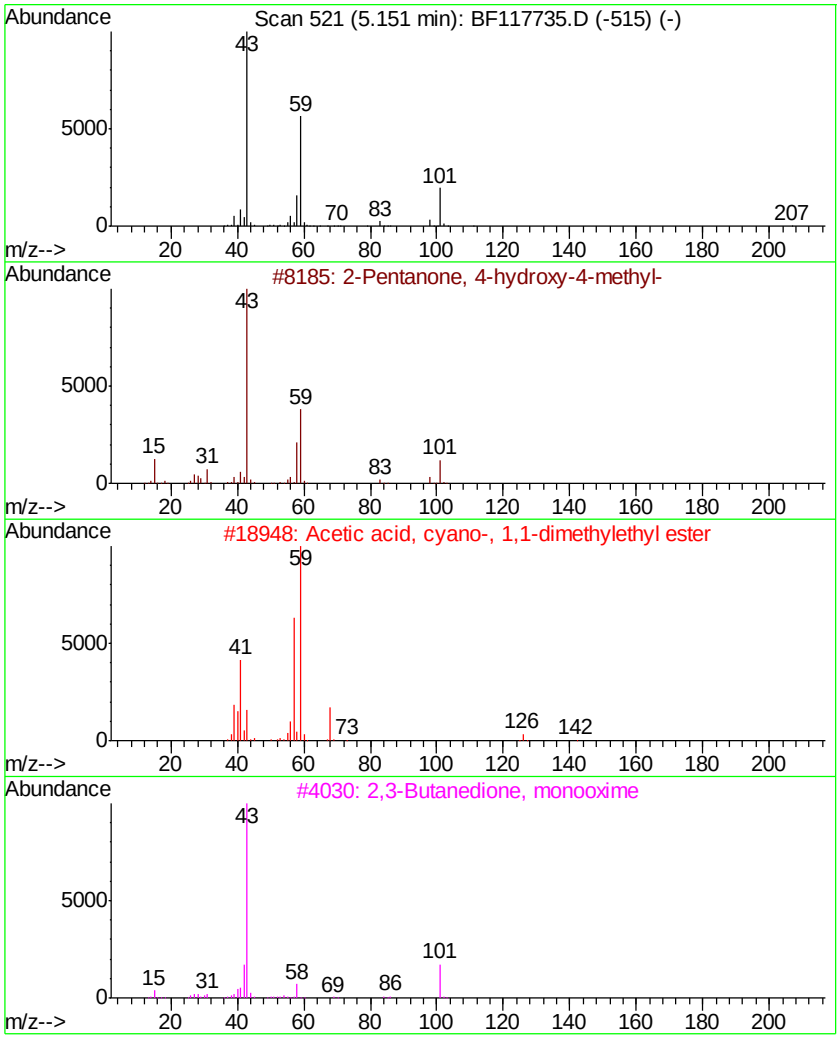
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

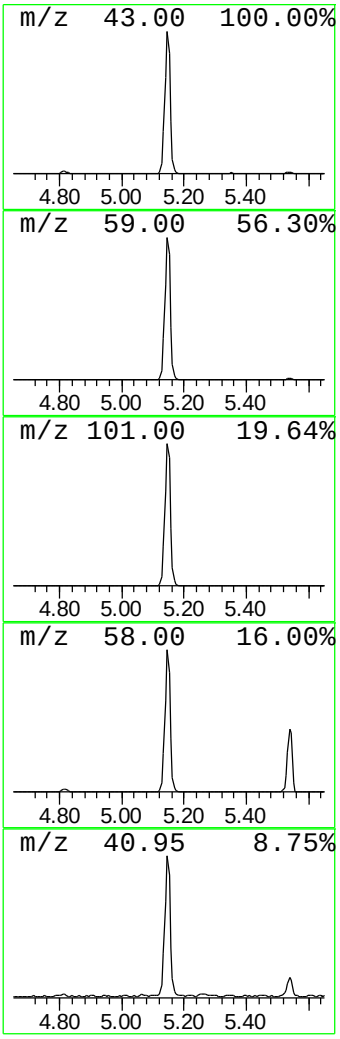
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.15 | 14.88 ng | 1492470 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 16 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

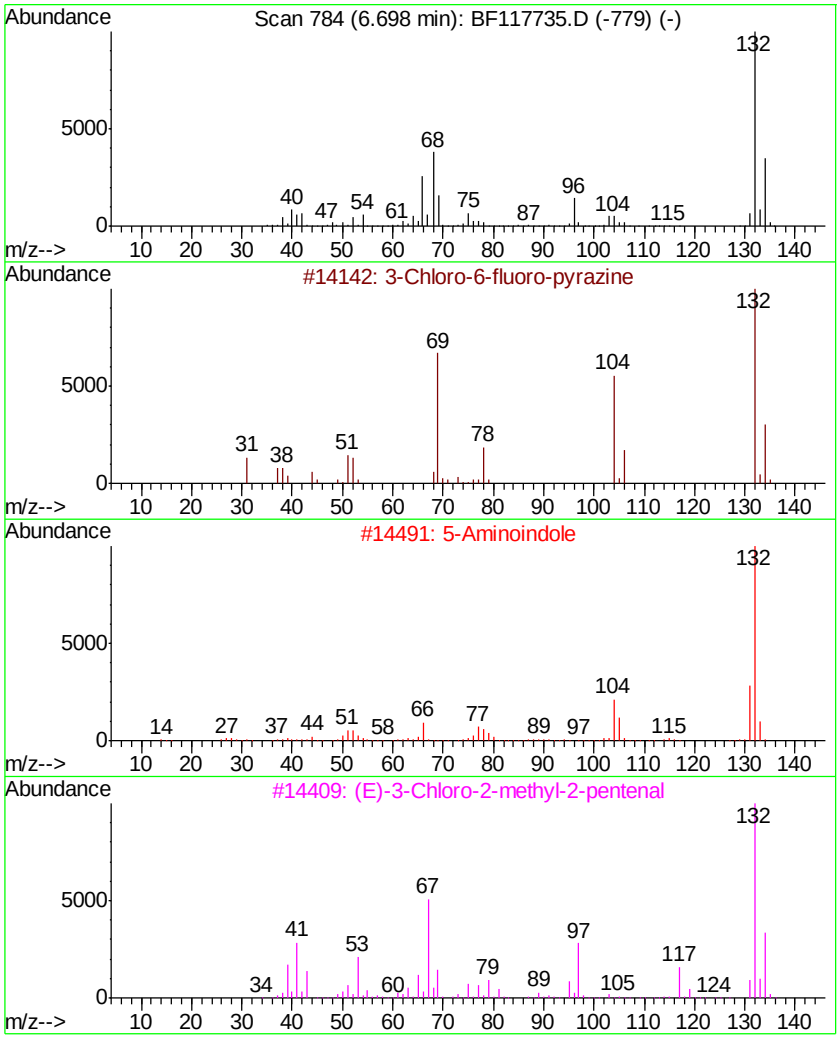
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

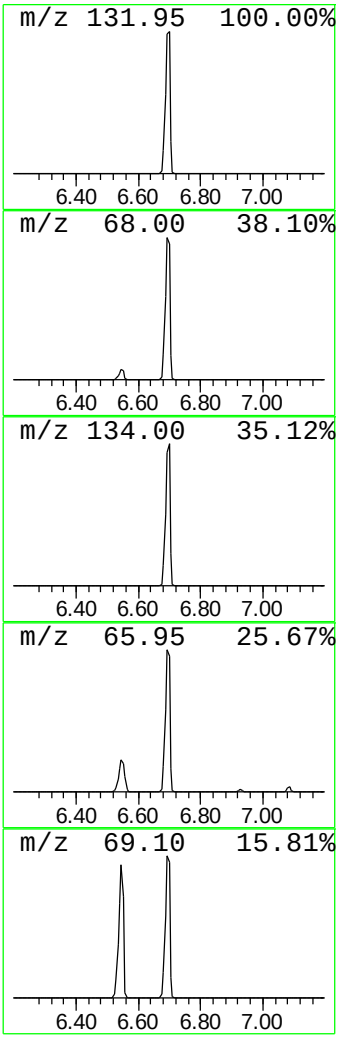
**********

Peak Number 3 unknown6.70 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.70 | 68.18 ng | 6837790 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

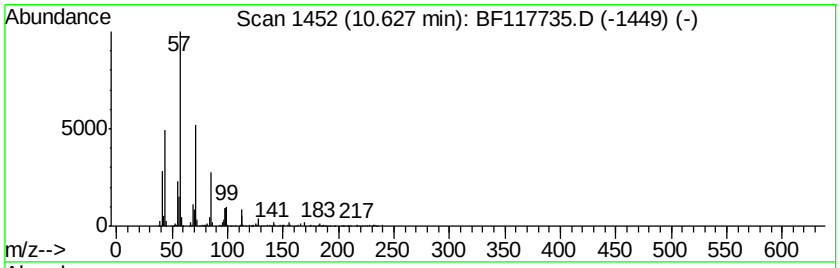
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

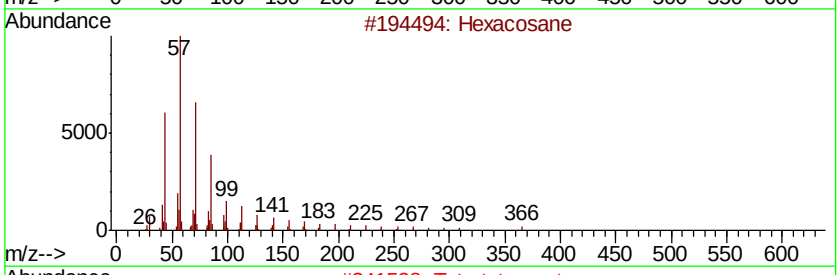
**********

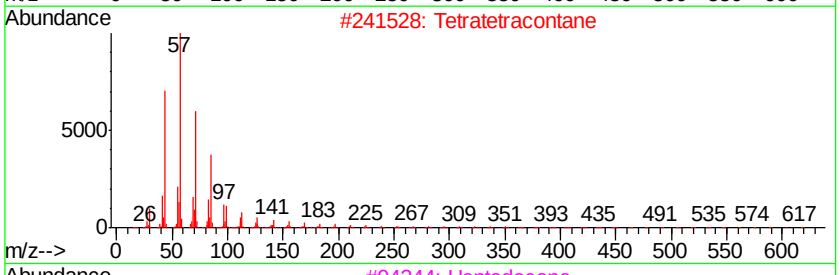
Peak Number 5 Hexacosane Concentration Rank 11

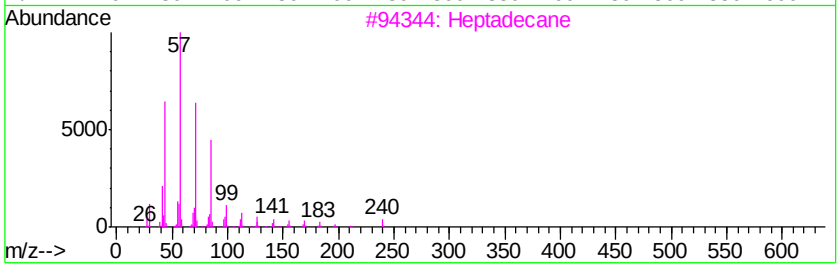
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.63 | 3.26 ng | 529472 | Acenaphthene-d10 | 9.97 |

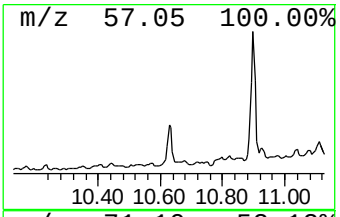
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 80 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 74 |

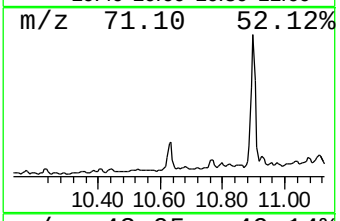


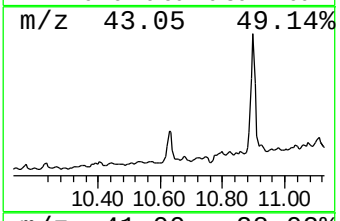



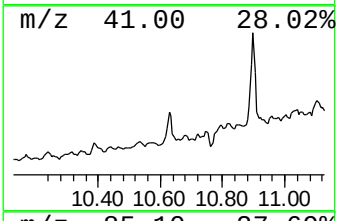



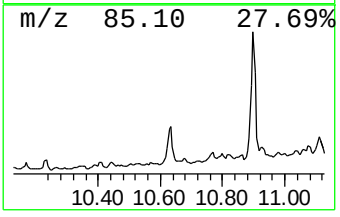



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Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
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Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

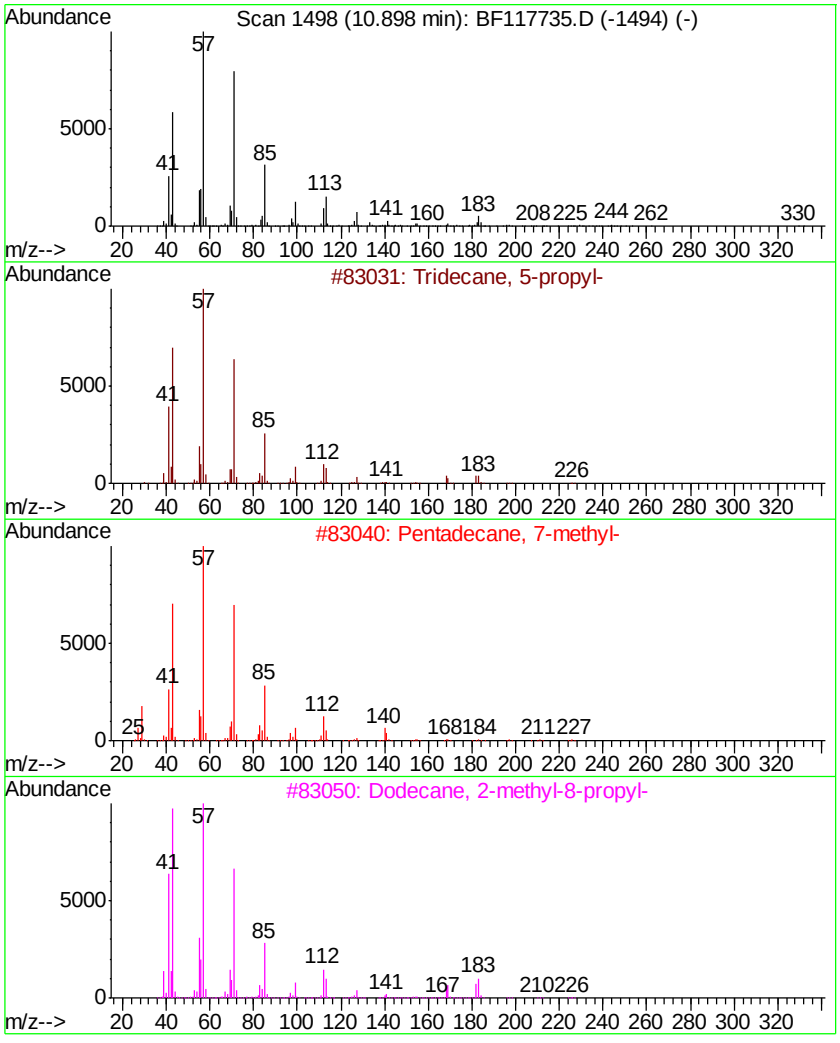
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

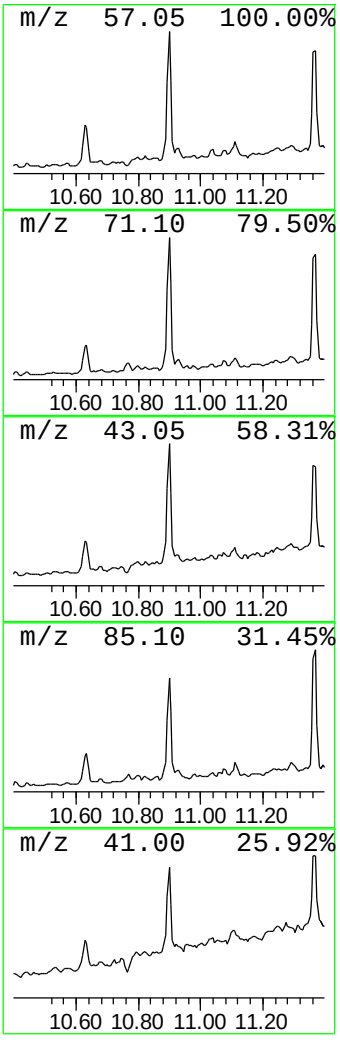
**********

Peak Number 6 Tridecane, 5-propyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.90 | 11.36 ng | 1709470 | Phenanthrene-d10 | 11.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 87 |
| 2 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 83 |
| 3 | Dodecane, 2-methyl-8-propyl- | 226 | C16H34 | 055045-07-3 | 80 |
| 4 | Tetradecane, 4,11-dimethyl- | 226 | C16H34 | 055045-12-0 | 72 |
| 5 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

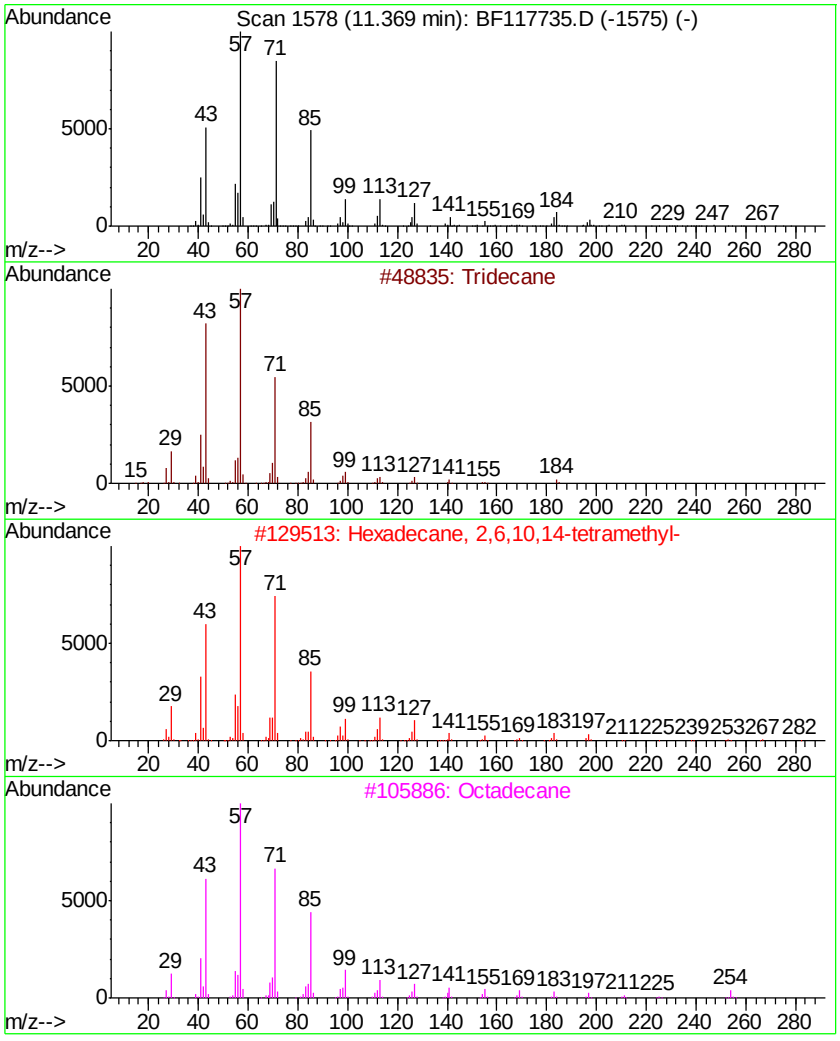
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

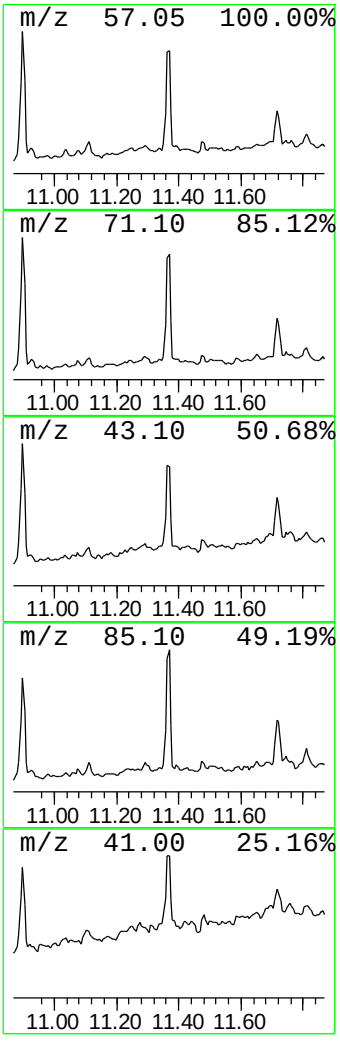
**********

Peak Number 7 Tridecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.37 | 10.03 ng | 1509770 | Phenanthrene-d10 | 11.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 2 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 87 |
| 5 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 78 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

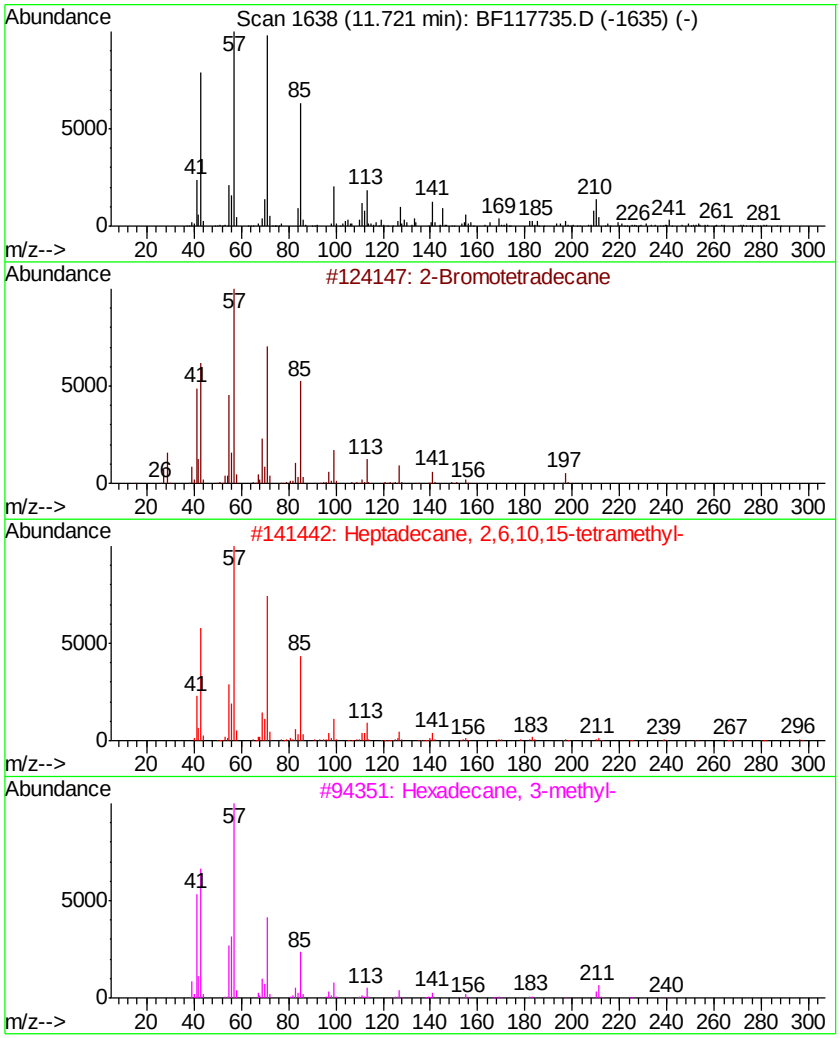
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

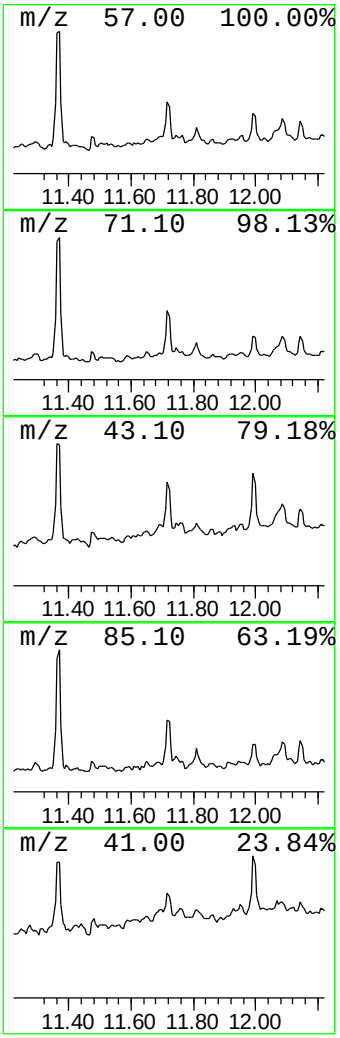
**********

Peak Number 8 2-Bromotetradecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.72 | 3.10 ng | 467107 | Phenanthrene-d10 | 11.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Bromotetradecane | 276 | C14H29Br | 074036-95-6 | 80 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 72 |
| 3 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 72 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 72 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 60 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

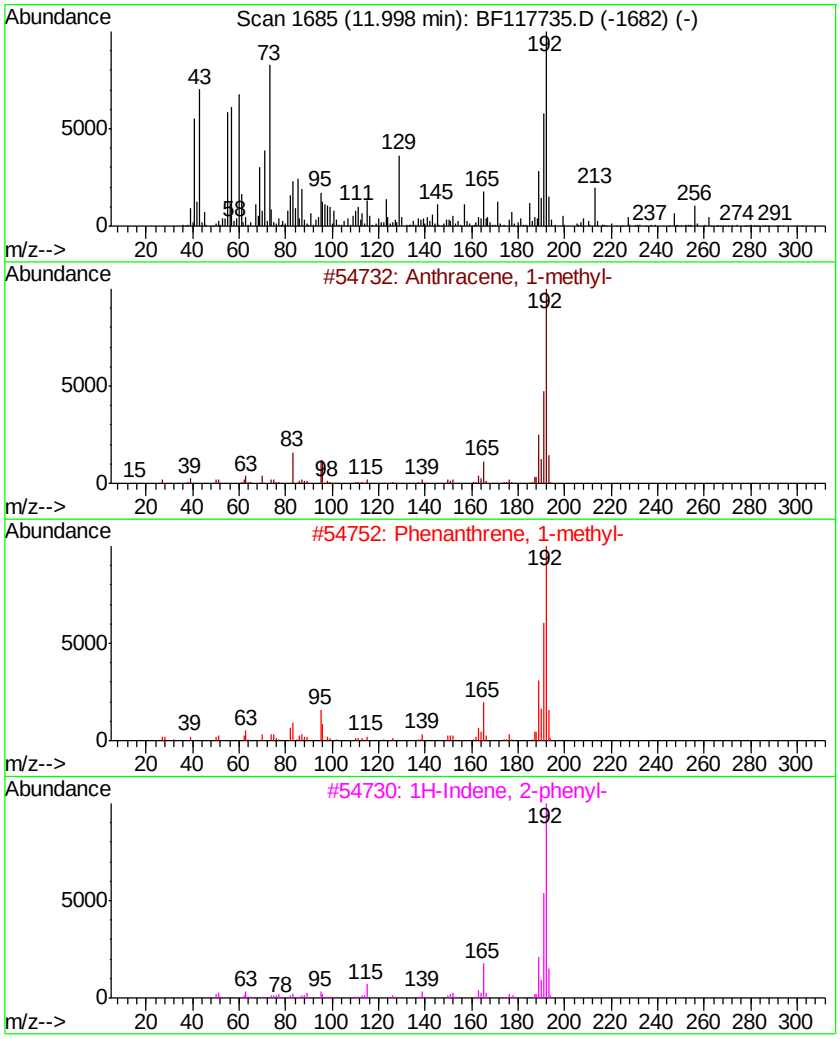
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

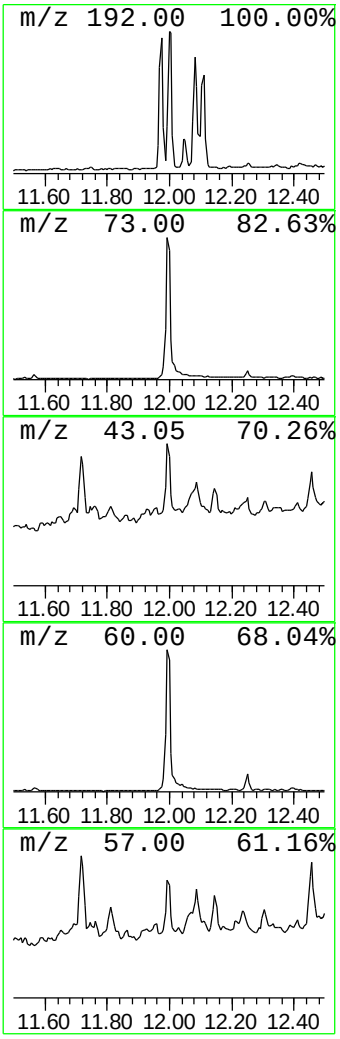
**********

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.00 | 8.28 ng | 1245800 | Phenanthrene-d10 | 11.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 86 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 86 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 84 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

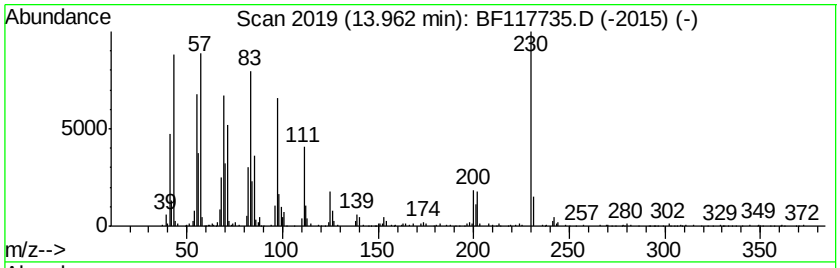
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

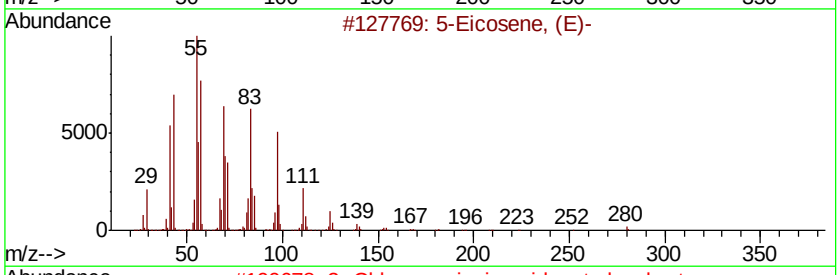
**********

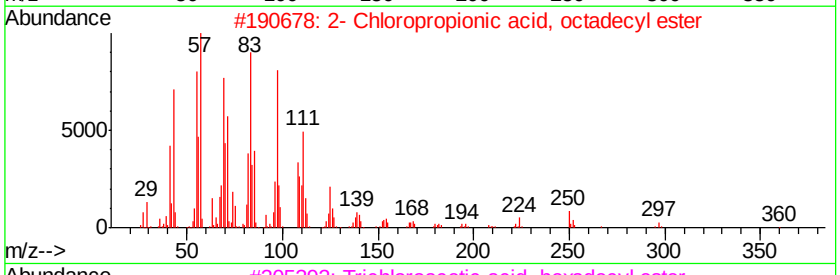
Peak Number 10 5-Eicosene, (E)- Concentration Rank 7

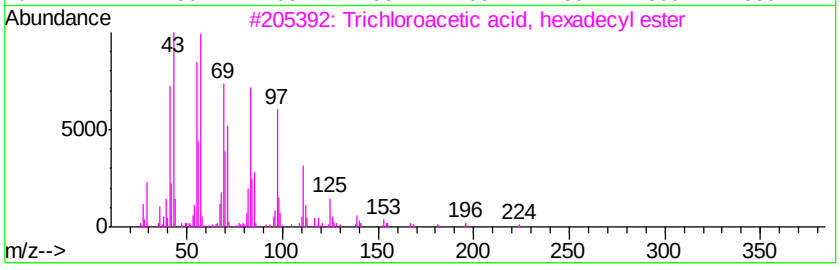
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.96 | 9.48 ng | 1467460 | Chrysene-d12 | 14.12 |

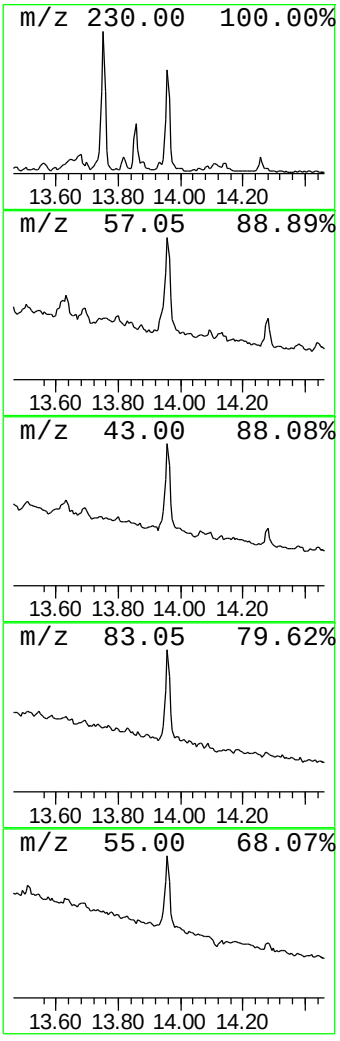
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 99 |
| 2 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 90 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 83 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 83 |
| 5 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

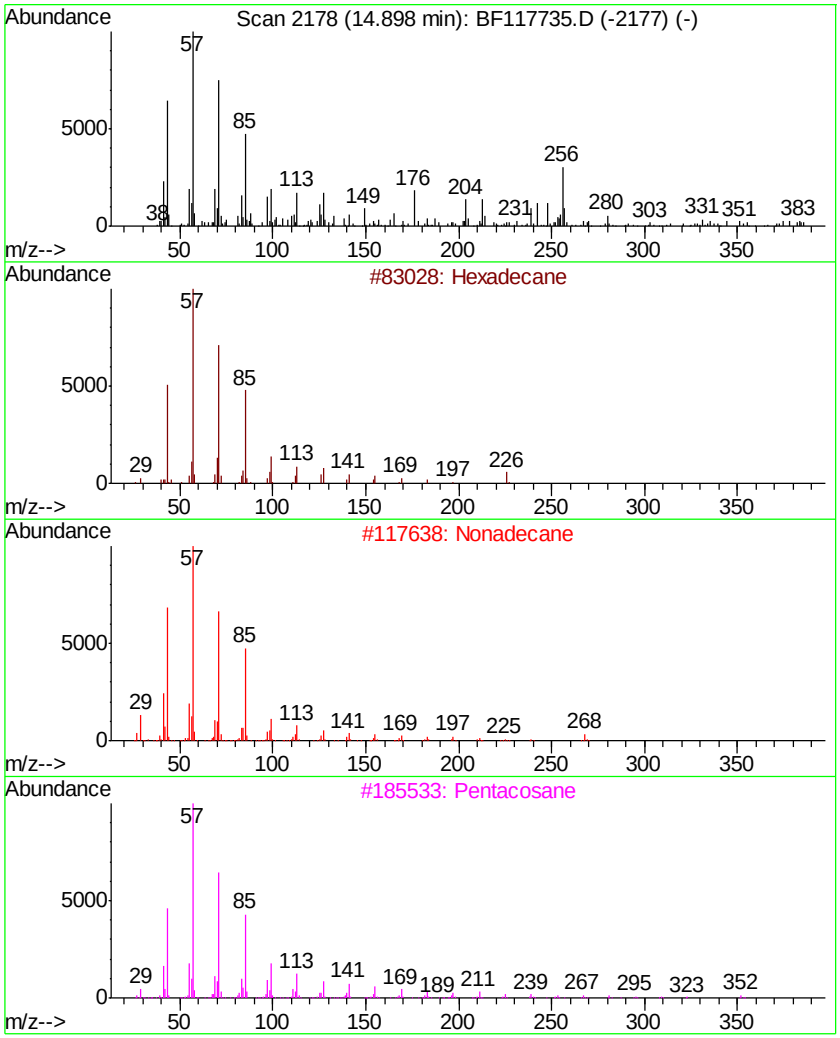
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

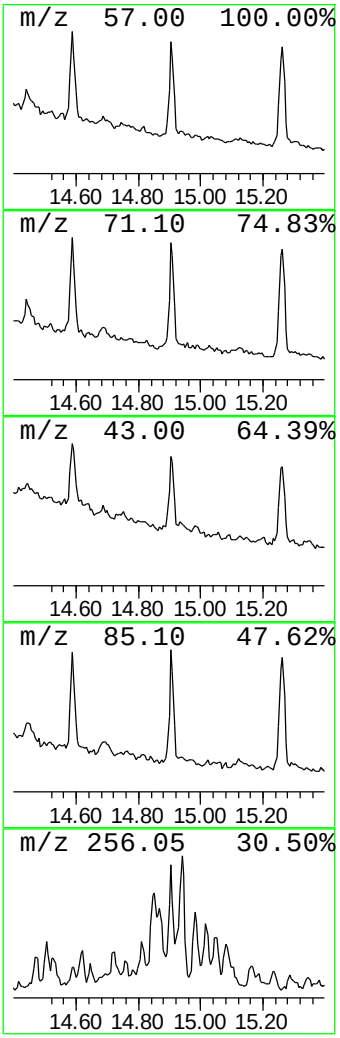
**********

Peak Number 11 Hexadecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.90 | 2.25 ng | 250781 | Perylene-d12 | 15.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 70 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 70 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 60 |
| 5 | Decane, 1-iodo- | 268 | C10H21I | 002050-77-3 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

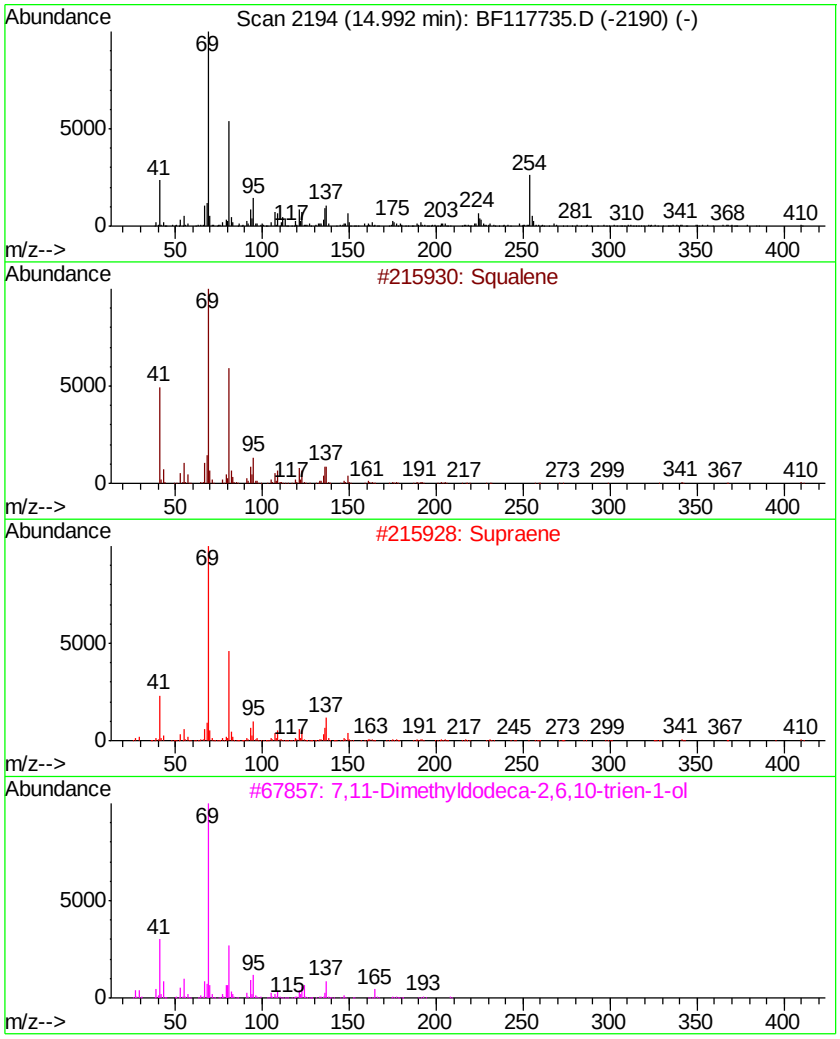
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

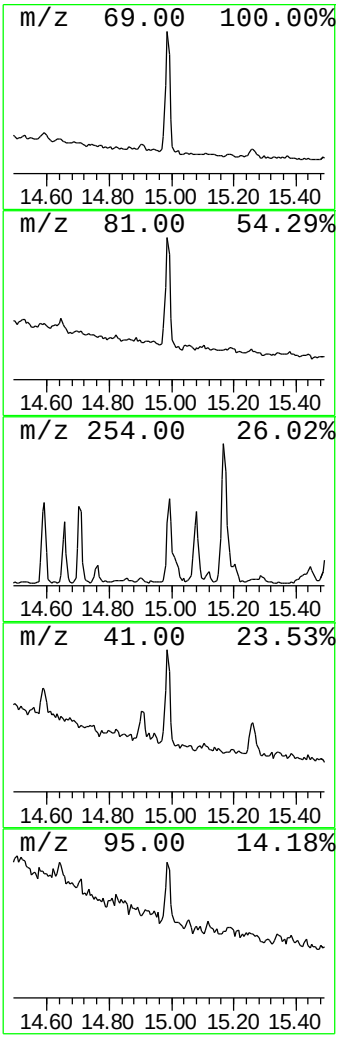
**********

Peak Number 12 Squalene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.99 | 4.47 ng | 498487 | Perylene-d12 | 15.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 76 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 68 |
| 3 | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 59 |
| 4 | 1,5-Heptadiene, 3,4-dimethyl- | 124 | C9H16 | 1000061-77-9 | 50 |
| 5 | 2,6-Octadiene, 4-methyl- | 124 | C9H16 | 074498-94-5 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

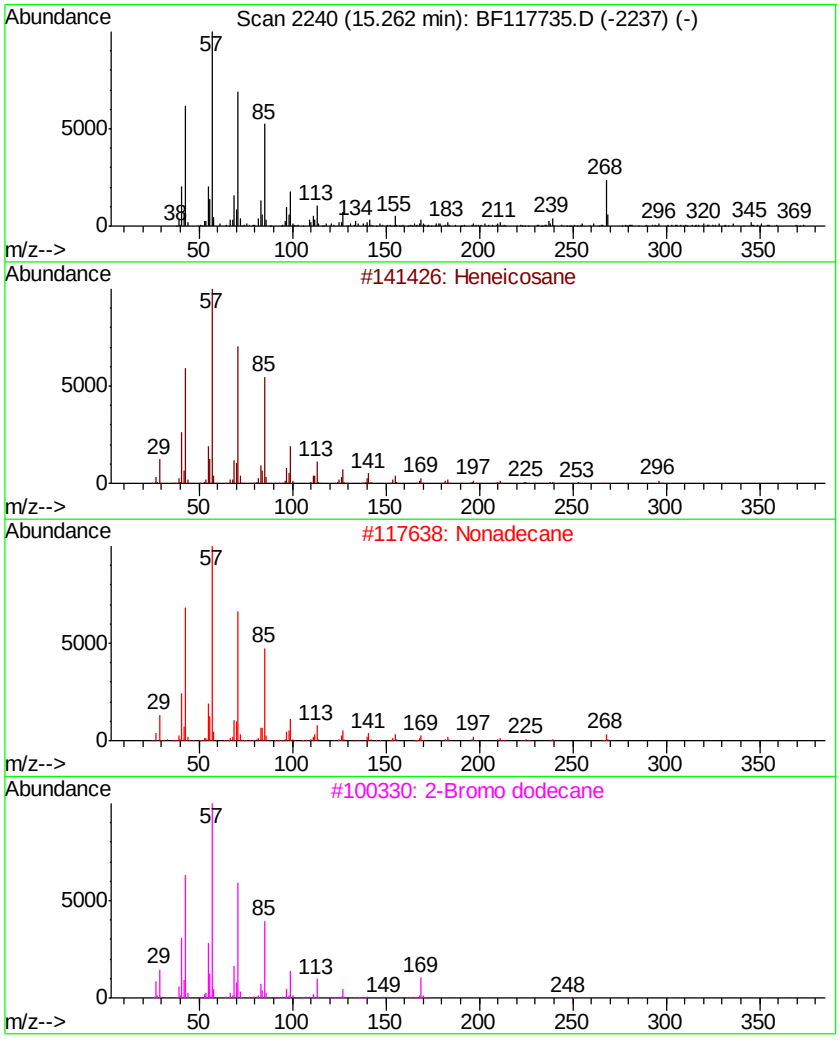
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

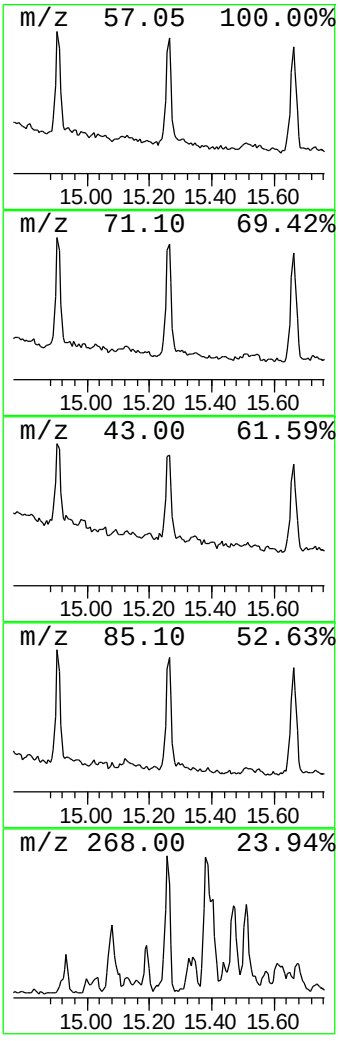
**********

Peak Number 13 Heneicosane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.26 | 2.14 ng | 238913 | Perylene-d12 | 15.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 99 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 90 |
| 3 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 90 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 90 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

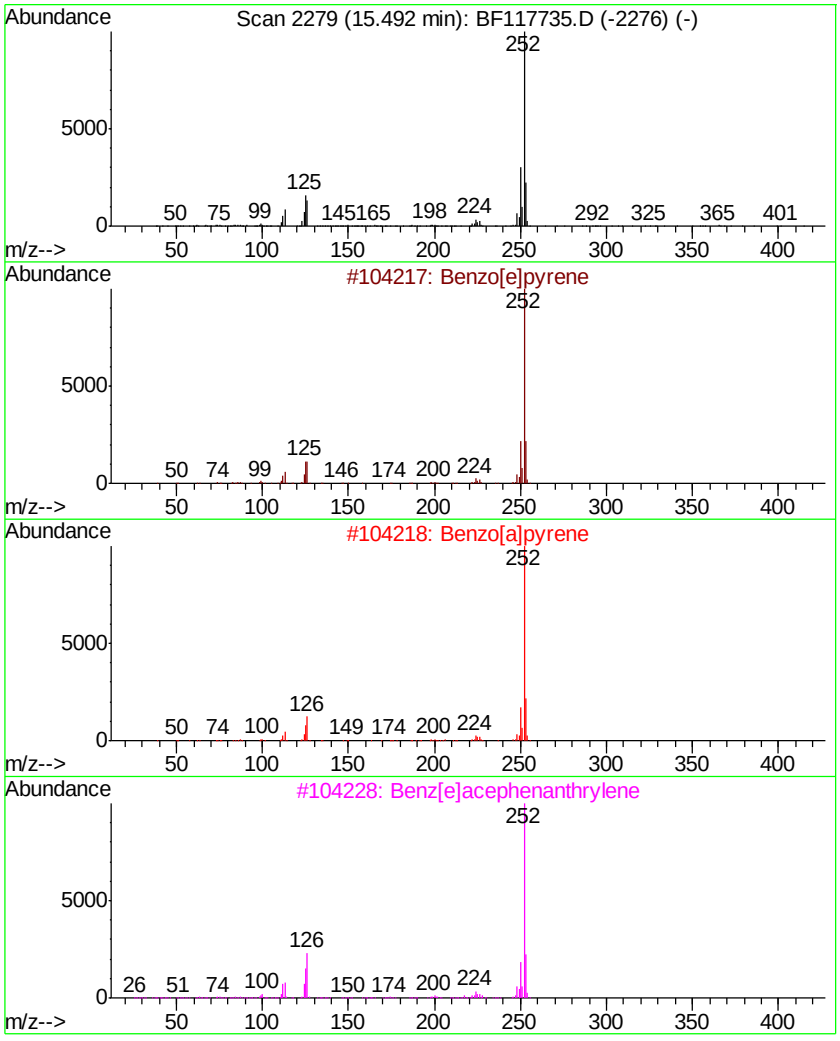
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

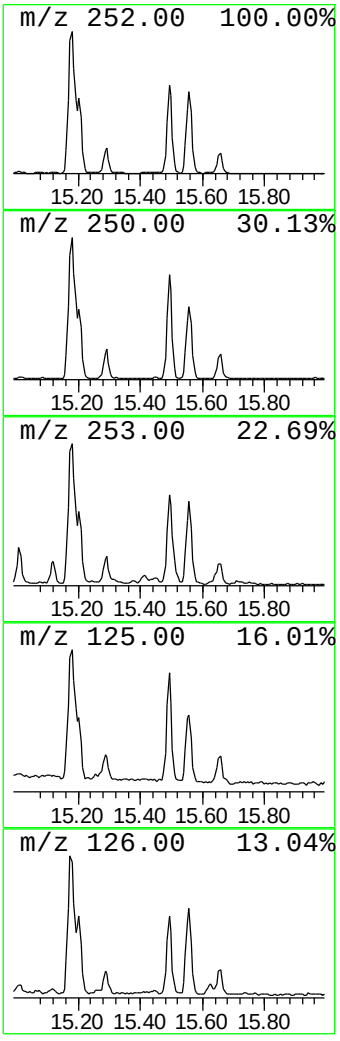
**********

Peak Number 14 Benzo[e]pyrene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.49 | 6.22 ng | 693131 | Perylene-d12 | 15.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 97 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 94 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

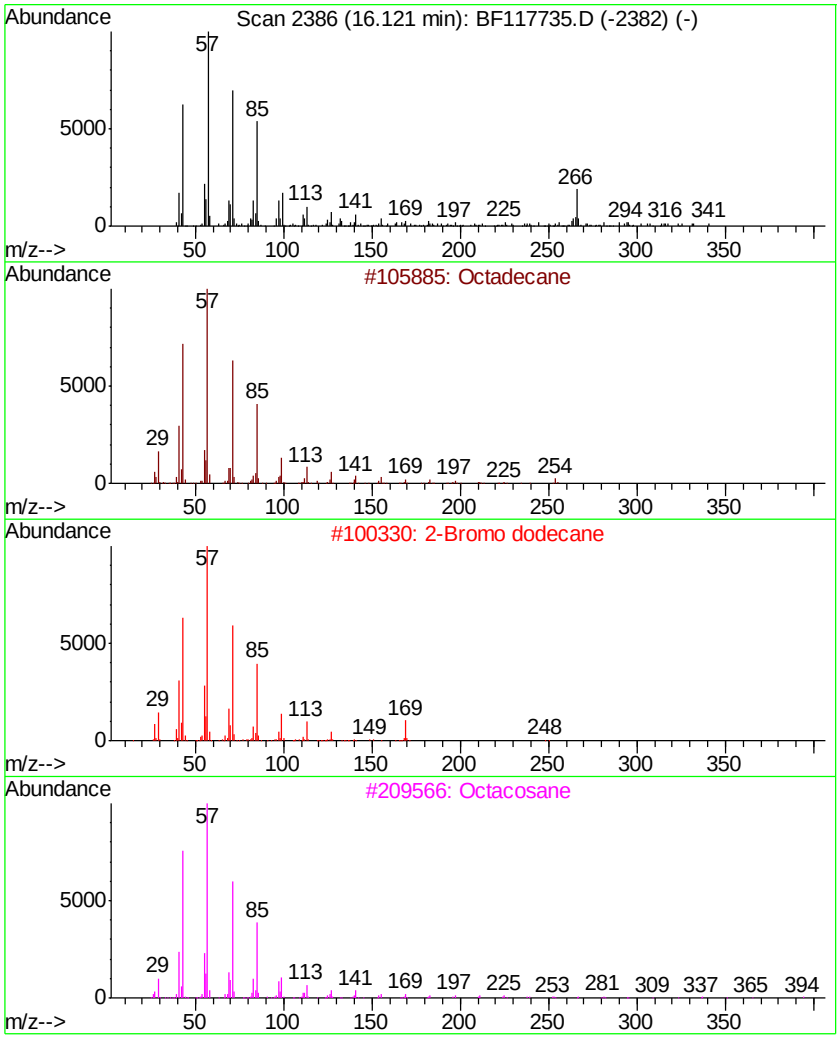
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

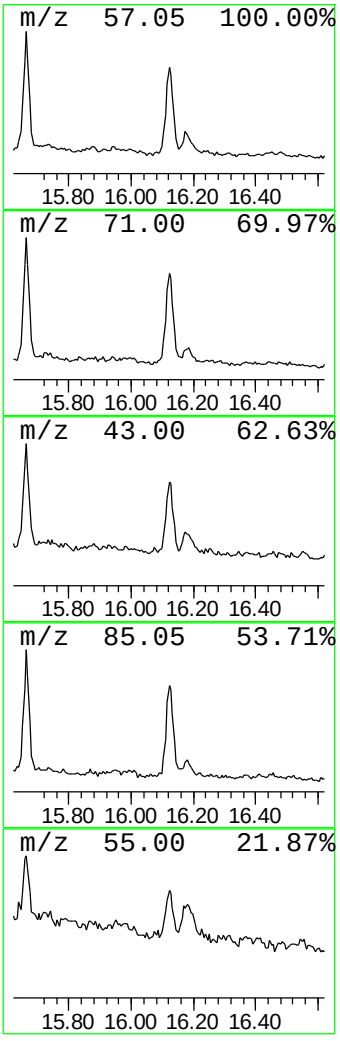
**********

Peak Number 15 Octadecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.12 | 2.55 ng | 284319 | Perylene-d12 | 15.63 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 92 |
| 2 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 90 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
Data File : BF117735.D
Acq On : 8 Nov 2019 17:09
Operator : JU
Sample : K5722-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 2-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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... | 2.23 | 17.1 | ng | 1714910 | 1 | 6.93 | 2005840 | 20.0 |
| 2-Pentanone, 4-hy... | 5.15 | 14.9 | ng | 1492470 | 1 | 6.93 | 2005840 | 20.0 |
| unknown6.70 | 6.70 | 68.2 | ng | 6837790 | 1 | 6.93 | 2005840 | 20.0 |
| Hexacosane | 10.63 | 3.3 | ng | 529472 | 3 | 9.97 | 3252660 | 20.0 |
| Tridecane, 5-propyl- | 10.90 | 11.4 | ng | 1709470 | 4 | 11.47 | 3009970 | 20.0 |
| Tridecane | 11.37 | 10.0 | ng | 1509770 | 4 | 11.47 | 3009970 | 20.0 |
| 2-Bromotetradecane | 11.72 | 3.1 | ng | 467107 | 4 | 11.47 | 3009970 | 20.0 |
| Anthracene, 1-met... | 12.00 | 8.3 | ng | 1245800 | 4 | 11.47 | 3009970 | 20.0 |
| 5-Eicosene, (E)- | 13.96 | 9.5 | ng | 1467460 | 5 | 14.12 | 3096960 | 20.0 |
| Hexadecane | 14.90 | 2.3 | ng | 250781 | 6 | 15.63 | 2229290 | 20.0 |
| Squalene | 14.99 | 4.5 | ng | 498487 | 6 | 15.63 | 2229290 | 20.0 |
| Heneicosane | 15.26 | 2.1 | ng | 238913 | 6 | 15.63 | 2229290 | 20.0 |
| Benzo[e]pyrene | 15.49 | 6.2 | ng | 693131 | 6 | 15.63 | 2229290 | 20.0 |
| Octadecane | 16.12 | 2.5 | ng | 284319 | 6 | 15.63 | 2229290 | 20.0 |