LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

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-BF091020.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 | 5.381 | 557 | 560 | 575 | rBV | 410956 | 493199 | 50.06% | 4.010% |
| 2 | 6.404 | 731 | 734 | 749 | rBV | 471262 | 568429 | 57.70% | 4.622% |
| 3 | 6.763 | 791 | 795 | 801 | rBV | 826717 | 696613 | 70.71% | 5.664% |
| 4 | 6.875 | 811 | 814 | 818 | rVB | 42007 | 38430 | 3.90% | 0.312% |
| 5 | 7.322 | 887 | 890 | 903 | rBV | 290517 | 323463 | 32.83% | 2.630% |
| 6 | 8.045 | 1009 | 1013 | 1032 | rBV | 930913 | 864167 | 87.72% | 7.027% |
| 7 | 9.122 | 1191 | 1196 | 1201 | rBV | 603713 | 600052 | 60.91% | 4.879% |
| 8 | 9.192 | 1205 | 1208 | 1212 | rVV2 | 72246 | 73134 | 7.42% | 0.595% |
| 9 | 9.398 | 1240 | 1243 | 1245 | rBV4 | 26958 | 35736 | 3.63% | 0.291% |
| 10 | 9.451 | 1250 | 1252 | 1258 | rVV3 | 44982 | 51666 | 5.24% | 0.420% |
| 11 | 9.504 | 1258 | 1261 | 1265 | rBV2 | 257215 | 263857 | 26.78% | 2.146% |
| 12 | 9.563 | 1268 | 1271 | 1275 | rVB4 | 75086 | 77658 | 7.88% | 0.631% |
| 13 | 9.616 | 1278 | 1280 | 1282 | rBV2 | 28184 | 21643 | 2.20% | 0.176% |
| 14 | 9.663 | 1285 | 1288 | 1290 | rBV2 | 202272 | 193006 | 19.59% | 1.569% |
| 15 | 9.686 | 1290 | 1292 | 1293 | rVV | 65980 | 46323 | 4.70% | 0.377% |
| 16 | 9.710 | 1293 | 1296 | 1299 | rVB | 336344 | 306716 | 31.13% | 2.494% |
| 17 | 9.745 | 1299 | 1302 | 1304 | rBV3 | 104556 | 123379 | 12.52% | 1.003% |
| 18 | 9.798 | 1308 | 1311 | 1315 | rVB | 944737 | 792121 | 80.40% | 6.441% |
| 19 | 9.833 | 1315 | 1317 | 1322 | rBV3 | 119324 | 175930 | 17.86% | 1.431% |
| 20 | 9.910 | 1328 | 1330 | 1333 | rBV2 | 56695 | 47117 | 4.78% | 0.383% |
| 21 | 10.063 | 1353 | 1356 | 1357 | rBV2 | 76778 | 84340 | 8.56% | 0.686% |
| 22 | 10.133 | 1363 | 1368 | 1371 | rBV | 235262 | 316626 | 32.14% | 2.575% |
| 23 | 10.169 | 1371 | 1374 | 1377 | rVV | 190268 | 215496 | 21.87% | 1.752% |
| 24 | 10.204 | 1377 | 1380 | 1383 | rVV2 | 342642 | 324590 | 32.95% | 2.639% |
| 25 | 10.257 | 1386 | 1389 | 1396 | rVV5 | 197062 | 313552 | 31.83% | 2.550% |
| 26 | 10.592 | 1443 | 1446 | 1449 | rBV | 261287 | 307559 | 31.22% | 2.501% |
| 27 | 10.716 | 1464 | 1467 | 1474 | rBV3 | 258543 | 435589 | 44.21% | 3.542% |
| 28 | 11.286 | 1562 | 1564 | 1567 | rBV | 669531 | 627647 | 63.71% | 5.104% |
| 29 | 12.504 | 1768 | 1771 | 1774 | rVB | 469879 | 392613 | 39.85% | 3.193% |
| 30 | 12.733 | 1807 | 1810 | 1812 | rVB | 375353 | 342177 | 34.73% | 2.782% |
| 31 | 12.869 | 1831 | 1833 | 1836 | rVB | 530187 | 421596 | 42.79% | 3.428% |
| 32 | 13.927 | 2009 | 2013 | 2016 | rBV2 | 841985 | 985188 | 100.00% | 8.011% |
| 33 | 13.951 | 2016 | 2017 | 2024 | rVB | 317393 | 245269 | 24.90% | 1.994% |
| 34 | 14.951 | 2184 | 2187 | 2190 | rBV | 287719 | 355216 | 36.06% | 2.888% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.245 | 2234 | 2237 | 2243 | rVB | 178490 | 206049 | 20.91% | 1.675% |
| 36 | 15.304 | 2244 | 2247 | 2253 | rVB | 237089 | 281218 | 28.54% | 2.287% |
| 37 | 15.368 | 2254 | 2258 | 2262 | rBV | 525682 | 650563 | 66.03% | 5.290% |

Sum of corrected areas: 12297927

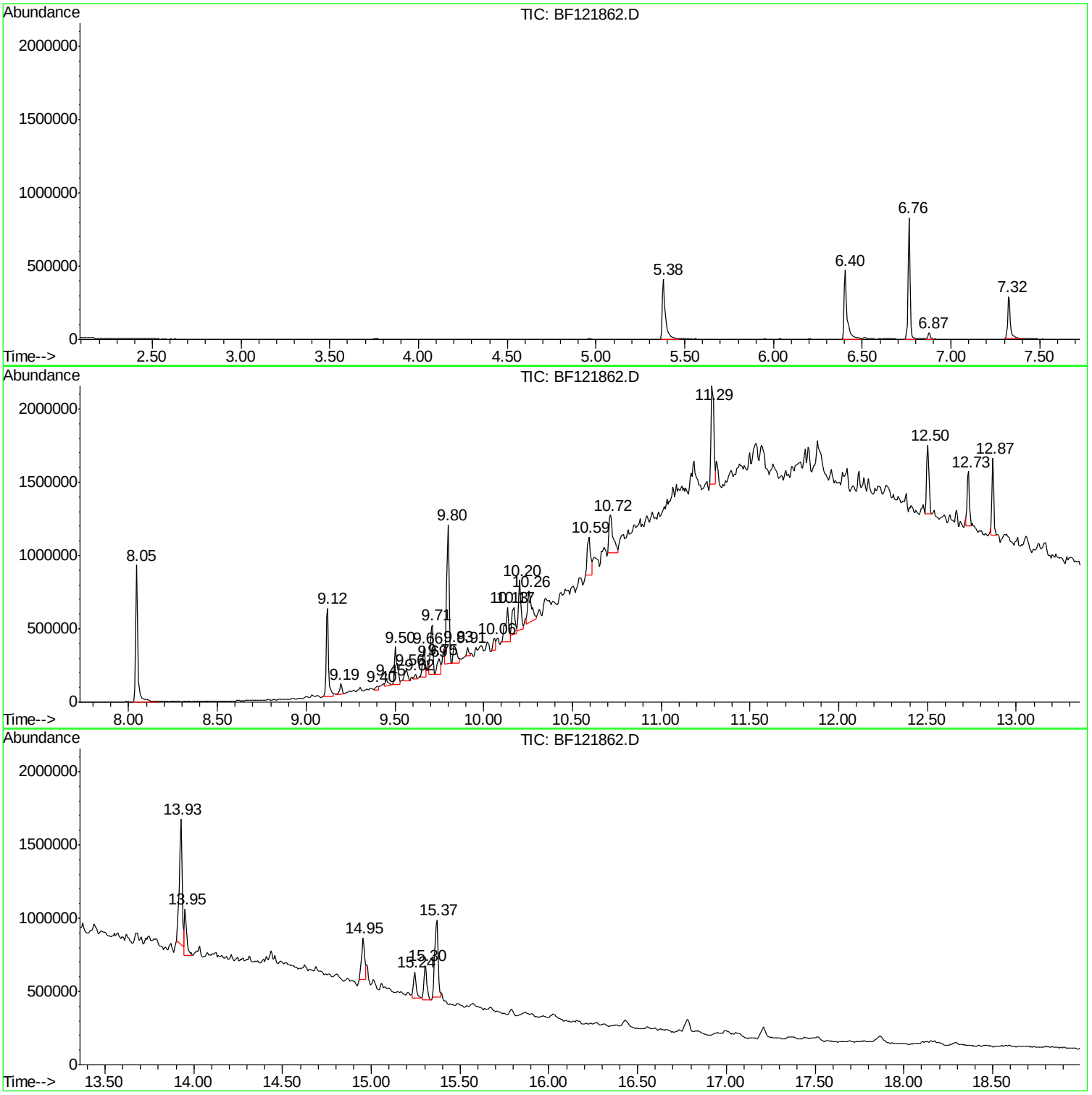
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

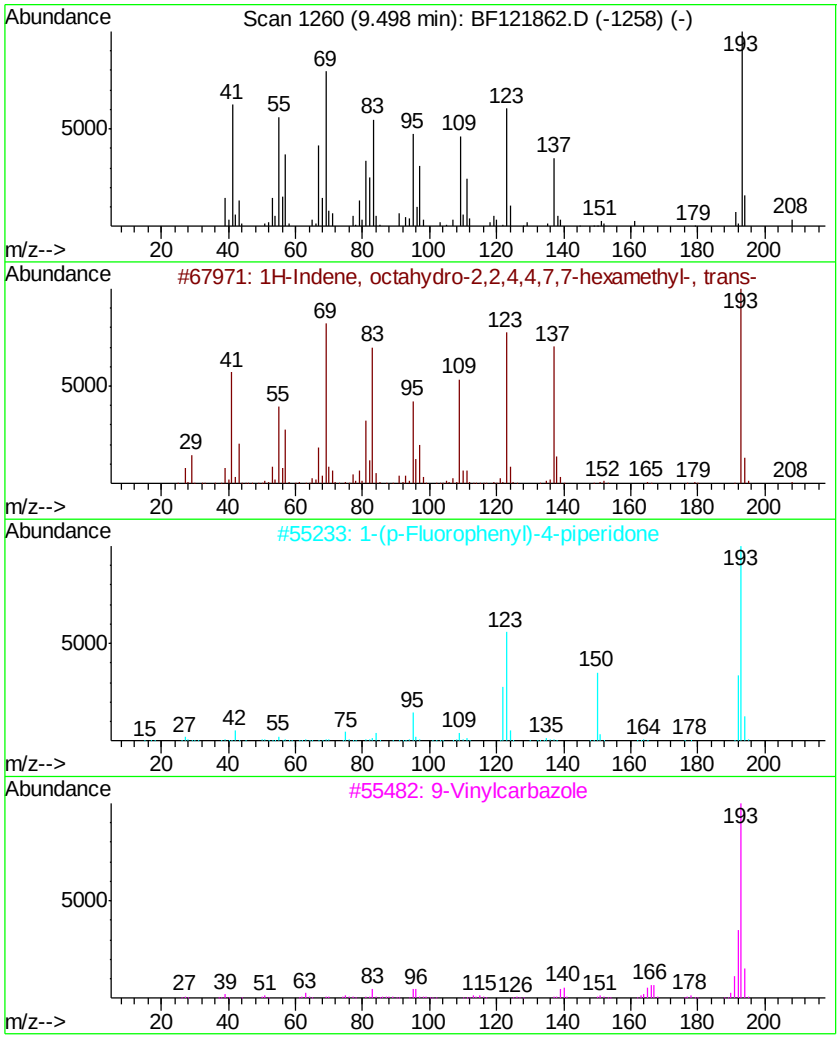
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

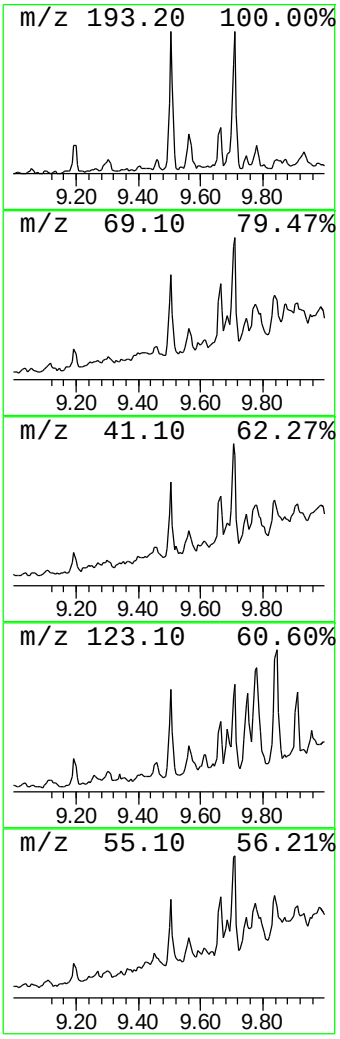
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 1H-Indene, octahydro-2,2,4,... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.50 | 6.66 ng | 263857 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, octahydro-2,2,4,4,7,7... | 208 | C15H28 | 054832-83-6 | 72 |
| 2 | 1-(p-Fluorophenyl)-4-piperidone | 193 | C11H12FNO | 1000238-56-7 | 43 |
| 3 | 9-Vinylcarbazole | 193 | C14H11N | 001484-13-5 | 35 |
| 4 | 9-Phenanthrenamine | 193 | C14H11N | 000947-73-9 | 27 |
| 5 | Butan-2-one, 1-[3-(3,3-dimethyl-... | 278 | C16H26N2O2 | 1000303-34-2 | 27 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

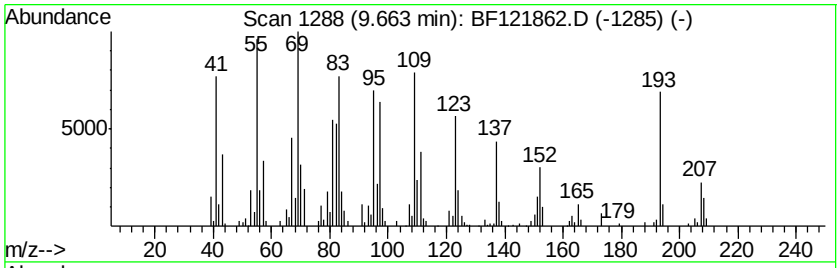
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

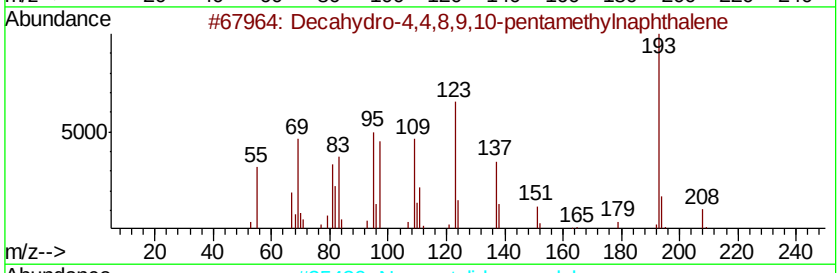
**********

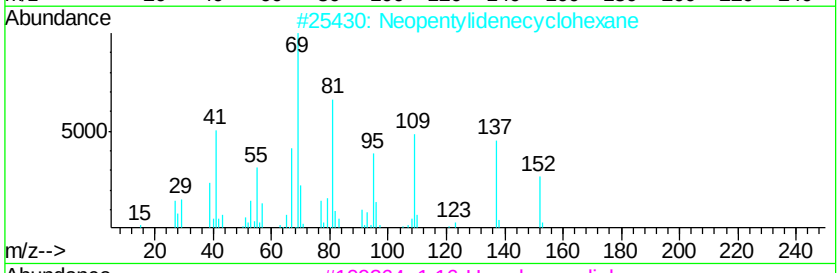
Peak Number 2 Decahydro-4,4,8,9,10-pentam... Concentration Rank 9

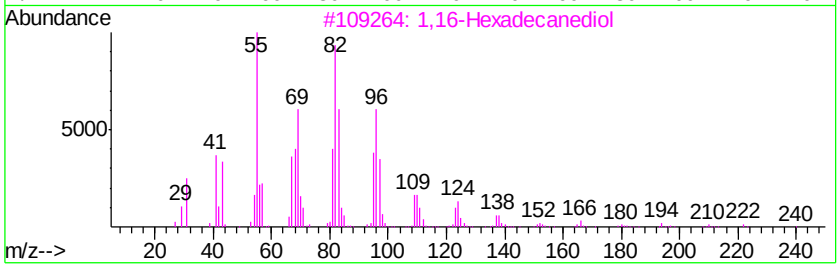
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.66 | 4.87 ng | 193006 | Acenaphthene-d10 | 9.80 |

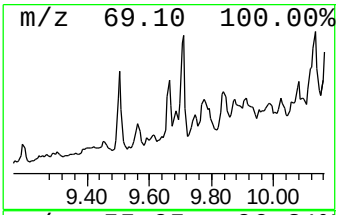
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 64 |
| 2 | Neopentylidenecyclohexane | 152 | C11H20 | 039546-80-0 | 30 |
| 3 | 1,16-Hexadecanediol | 258 | C16H34O2 | 007735-42-4 | 27 |
| 4 | 1-Hexyl-2-nitrocyclohexane | 213 | C12H23NO2 | 118252-04-3 | 22 |
| 5 | 1H-Pyrazole, 1-methyl-4-(4,4,5,5... | 208 | C10H17BN2O2 | 1000319-69-0 | 20 |

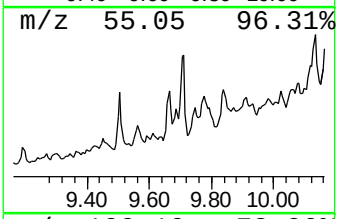


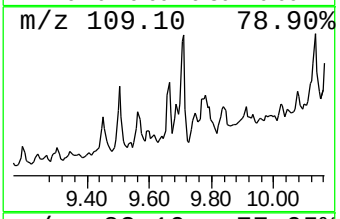



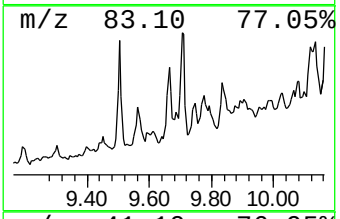



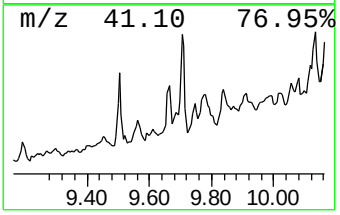



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

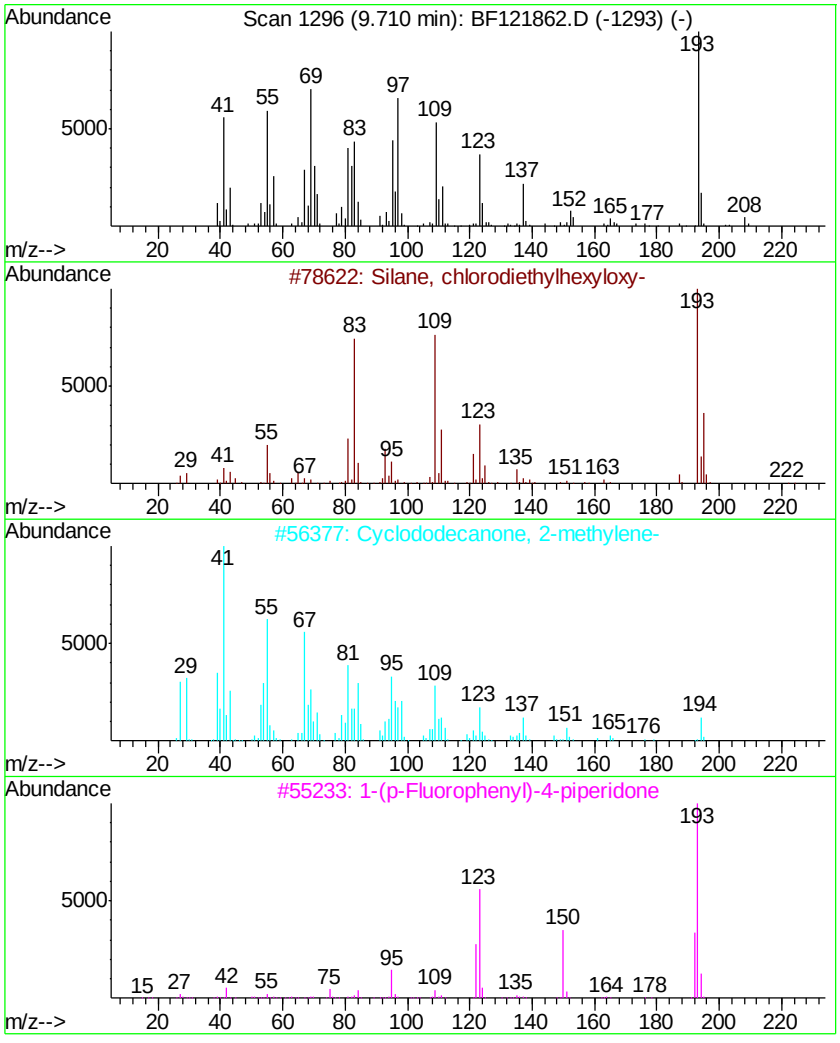
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

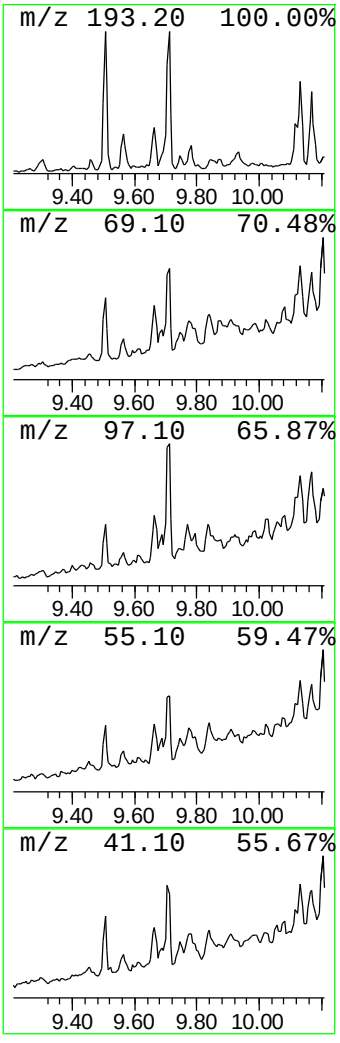
**********

Peak Number 3 Silane, chlorodiethylhexyloxy- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.71 | 7.74 ng | 306716 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, chlorodiethylhexyloxy- | 222 | C10H23ClOSi | 1000363-74-4 | 50 |
| 2 | Cyclododecanone, 2-methylene- | 194 | C13H22O | 003045-76-9 | 35 |
| 3 | 1-(p-Fluorophenyl)-4-piperidone | 193 | C11H12FNO | 1000238-56-7 | 35 |
| 4 | Spiro[5.6]dodecane-1,7-dione | 194 | C12H18O2 | 050803-80-0 | 25 |
| 5 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 000473-55-2 | 15 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

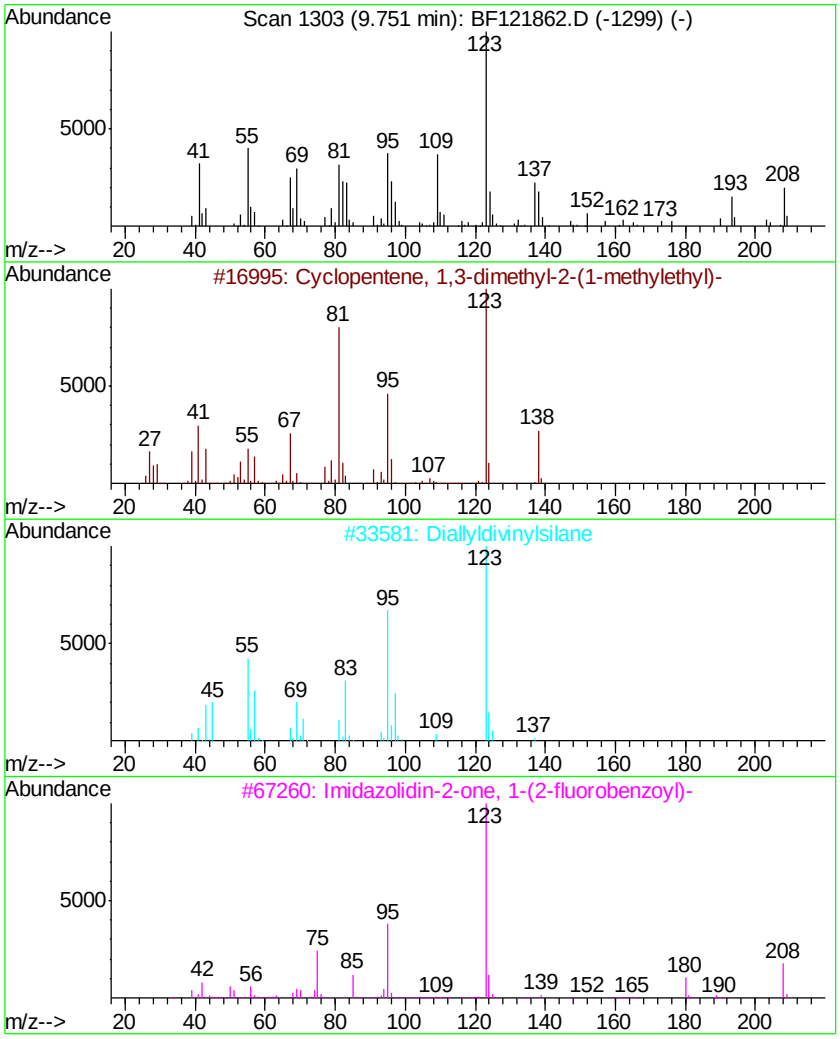
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

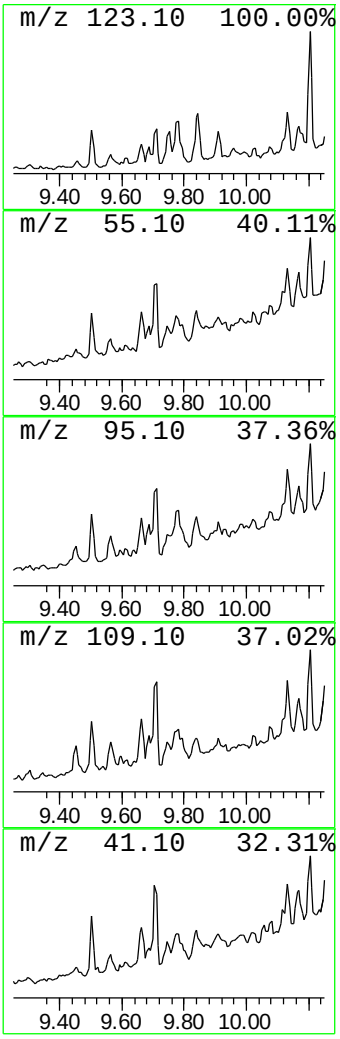
**********

Peak Number 4 unknown9.75 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.75 | 3.12 ng | 123379 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 1,3-dimethyl-2-(1-... | 138 | C10H18 | 061142-32-3 | 43 |
| 2 | Diallyldivinylsilane | 164 | C10H16Si | 119901-88-1 | 38 |
| 3 | Imidazolidin-2-one, 1-(2-fluorob... | 208 | C10H9FN2O2 | 1000310-62-2 | 35 |
| 4 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 004755-33-3 | 35 |
| 5 | o-Fluoroacetophenone | 138 | C8H7FO | 000445-27-2 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

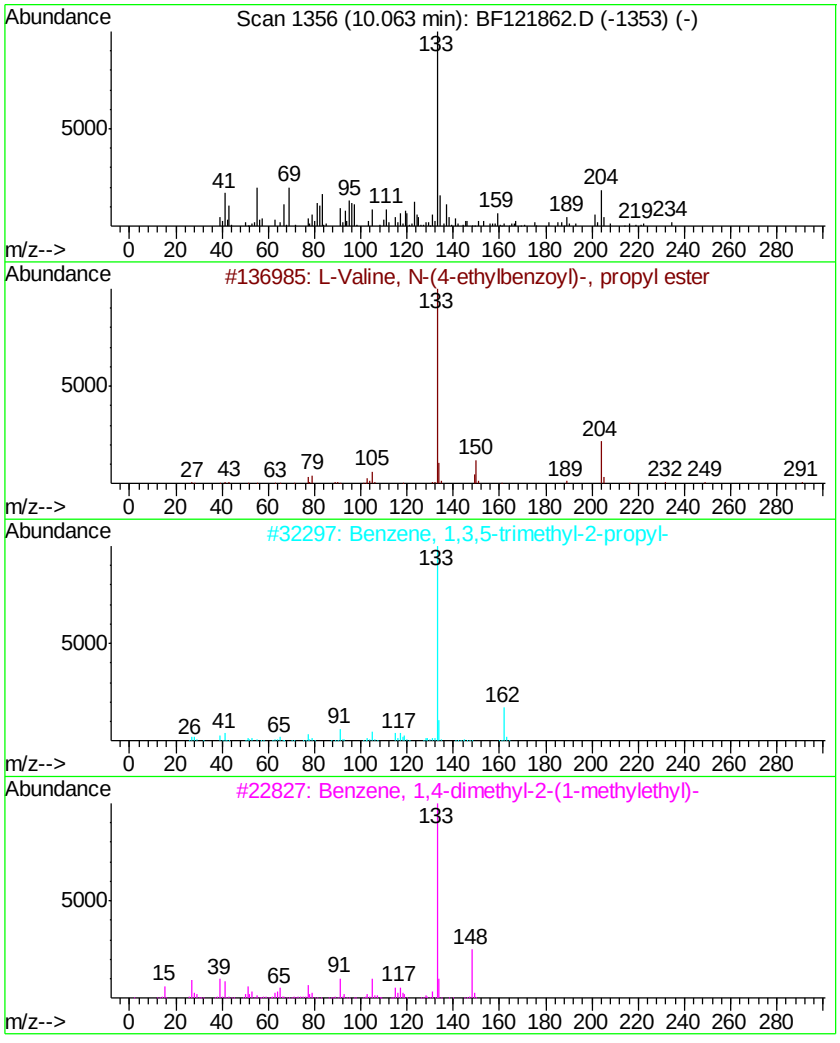
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

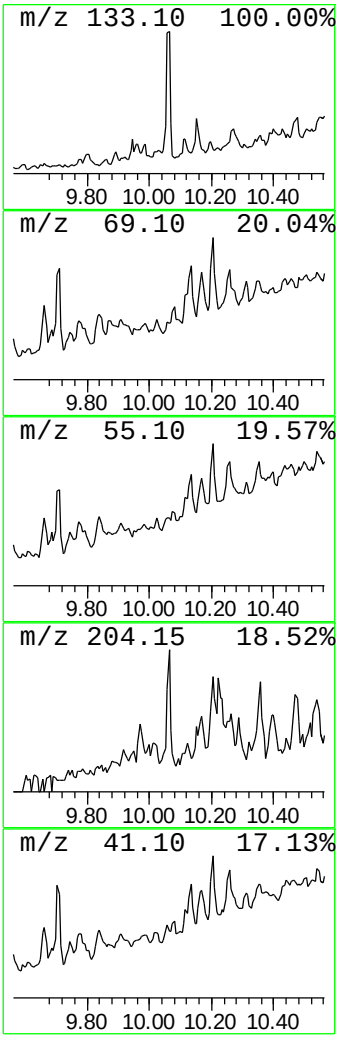
**********

Peak Number 5 L-Valine, N-(4-ethylbenzoyl... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.06 | 2.13 ng | 84340 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | L-Valine, N-(4-ethylbenzoyl)-, p... | 291 | C17H25NO3 | 1000346-62-9 | 50 |
| 2 | Benzene, 1,3,5-trimethyl-2-propyl- | 162 | C12H18 | 004810-04-2 | 46 |
| 3 | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16 | 004132-72-3 | 43 |
| 4 | Benzene, 2-(chloromethyl)-1,3,5-... | 168 | C10H13Cl | 001585-16-6 | 43 |
| 5 | Benzoxazole, 2-(2,2-dimethylprop... | 189 | C12H15NO | 143857-68-5 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

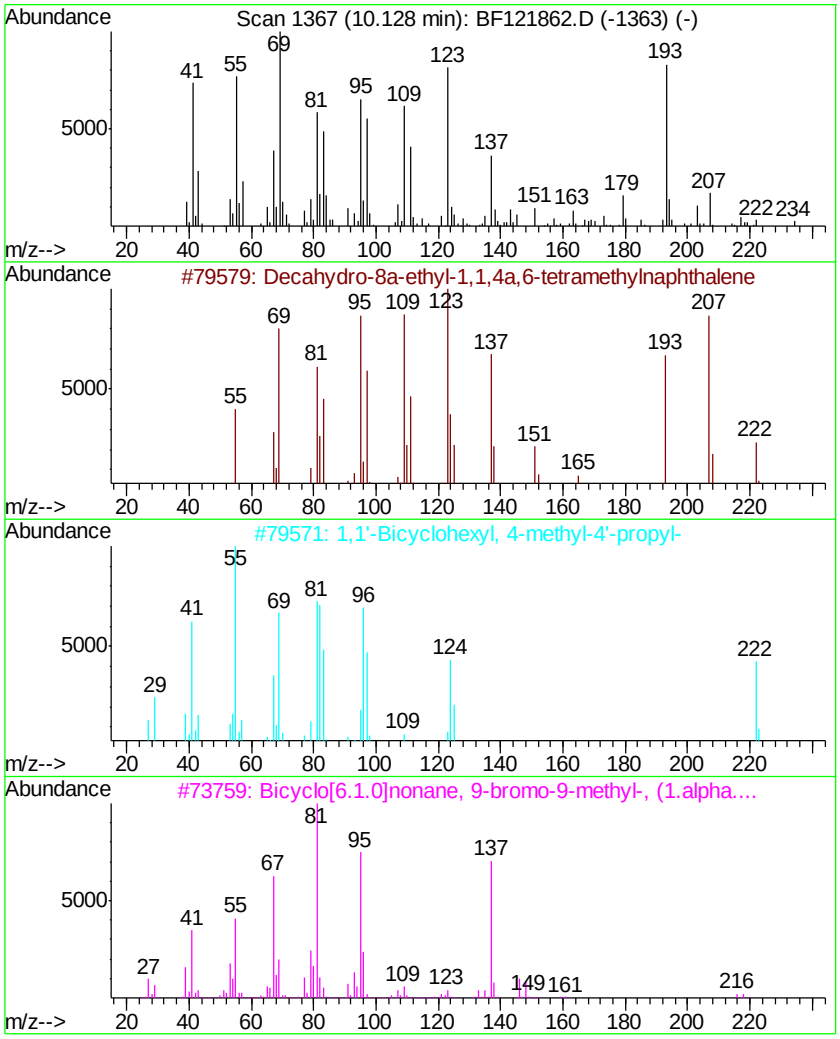
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

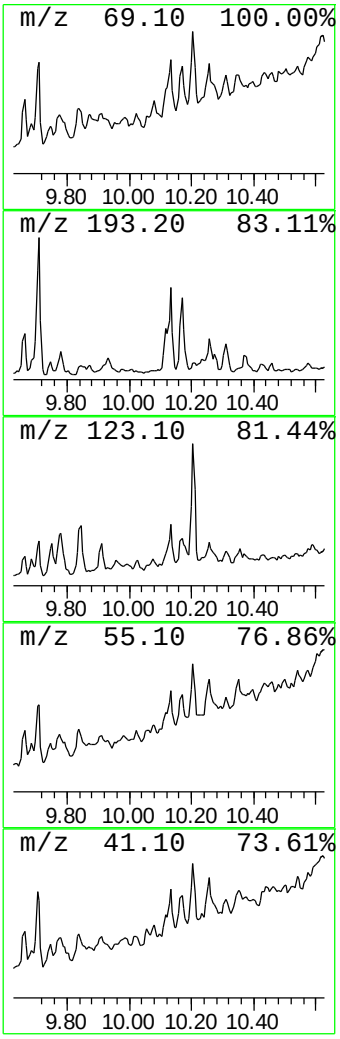
**********

Peak Number 6 Decahydro-8a-ethyl-1,1,4a,6... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.13 | 7.99 ng | 316626 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-8a-ethyl-1,1,4a,6-tetr... | 222 | C16H30 | 1000100-23-6 | 72 |
| 2 | 1,1'-Bicyclohexyl, 4-methyl-4'-p... | 222 | C16H30 | 092343-70-9 | 20 |
| 3 | Bicyclo[6.1.0]nonane, 9-bromo-9-... | 216 | C10H17Br | 059474-03-2 | 15 |
| 4 | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18 | 000473-19-8 | 11 |
| 5 | 3-Ethoxyphenylacetone hydroxyoxime | 193 | C11H15NO2 | 319914-15-3 | 11 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

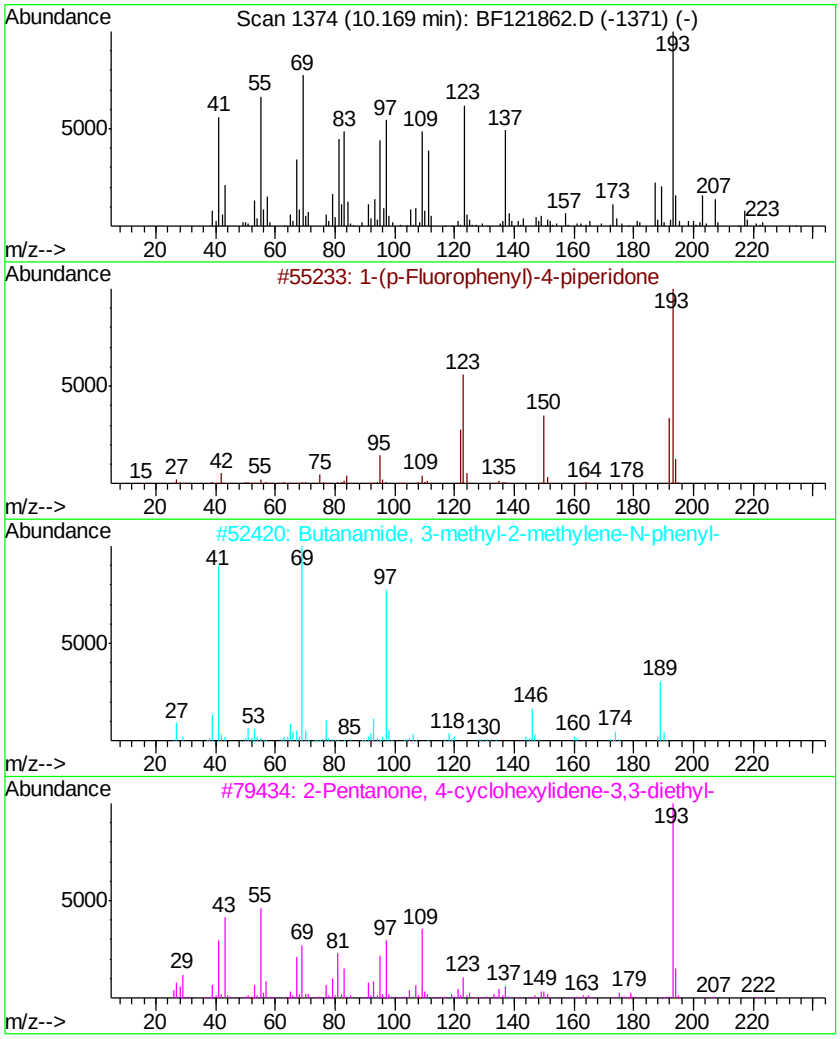
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

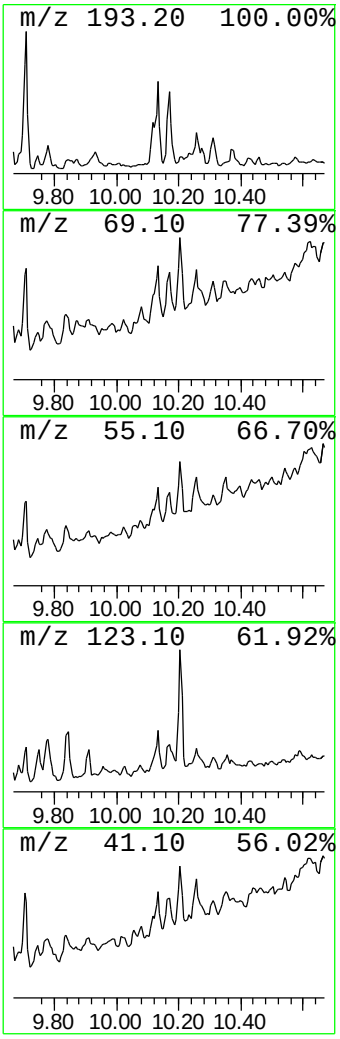
**********

Peak Number 7 unknown10.17 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.17 | 5.44 ng | 215496 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-(p-Fluorophenyl)-4-piperidone | 193 | C11H12FNO | 1000238-56-7 | 25 |
| 2 | Butanamide, 3-methyl-2-methylene... | 189 | C12H15NO | 095383-63-4 | 18 |
| 3 | 2-Pentanone, 4-cyclohexylidene-3... | 222 | C15H26O | 313253-65-5 | 18 |
| 4 | 2-Thiopheneacetic acid, 2-ethylc... | 252 | C14H20O2S | 1000278-96-1 | 14 |
| 5 | Cyclopropane carboxamide, 2-cycl... | 207 | C13H21NO | 331416-19-4 | 14 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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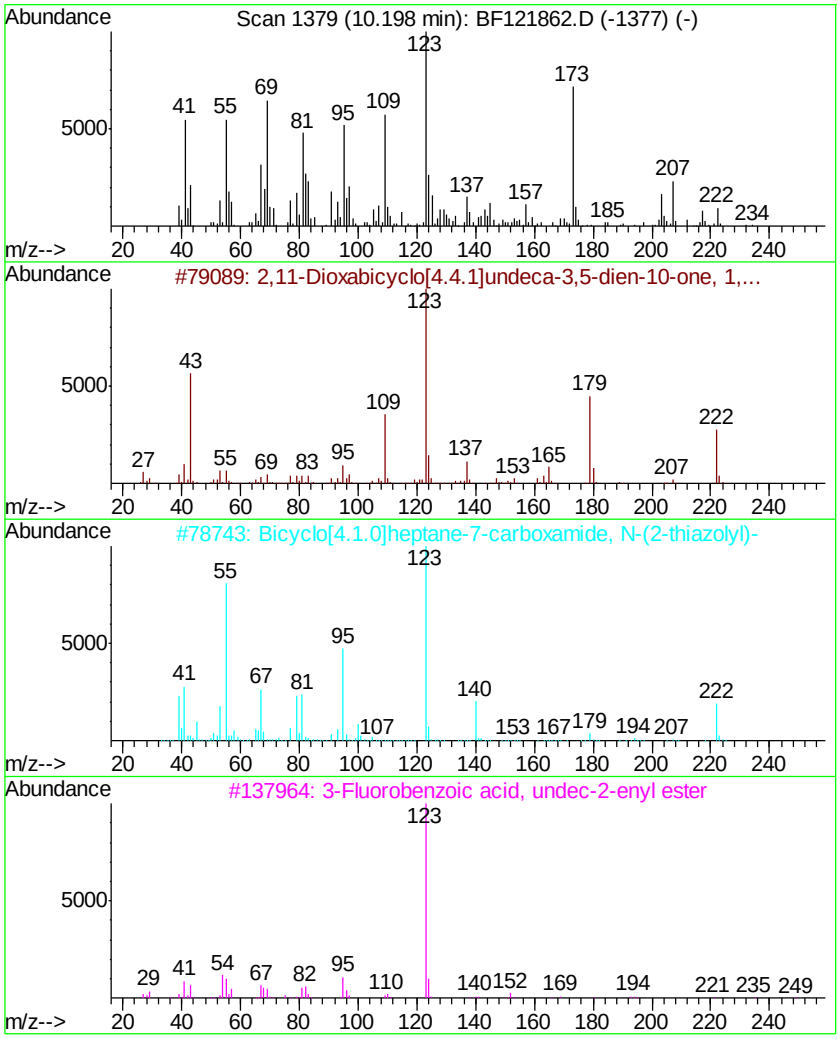
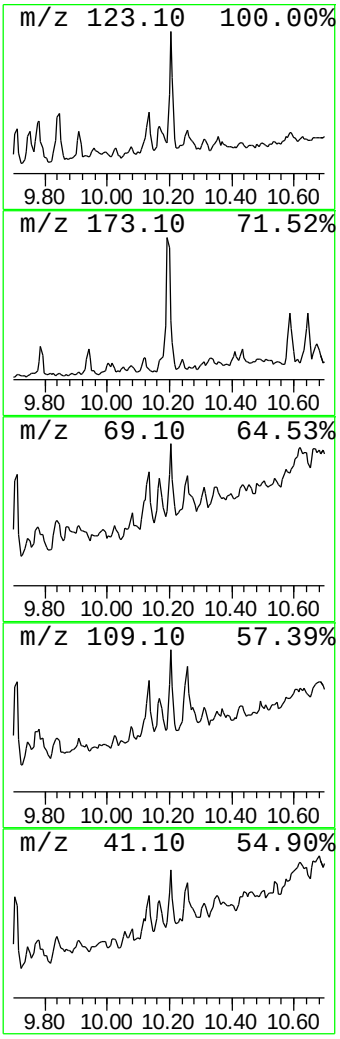
Peak Number 8 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.20 | 8.20 ng | 324590 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 | C13H18O3 | 070412-52-1 | 50 |
| 2 | Bicyclo[4.1.0]heptane-7-carboxam... | 222 | C11H14N2OS | 329912-72-3 | 46 |
| 3 | 3-Fluorobenzoic acid, undec-2-en... | 292 | C18H25FO2 | 1000292-60-8 | 43 |
| 4 | 4-Fluorobenzoic acid, 2-pentadec... | 350 | C22H35FO2 | 1000280-68-3 | 43 |
| 5 | 4-Fluorobenzoic acid, 3-tetradec... | 336 | C21H33FO2 | 1000280-68-1 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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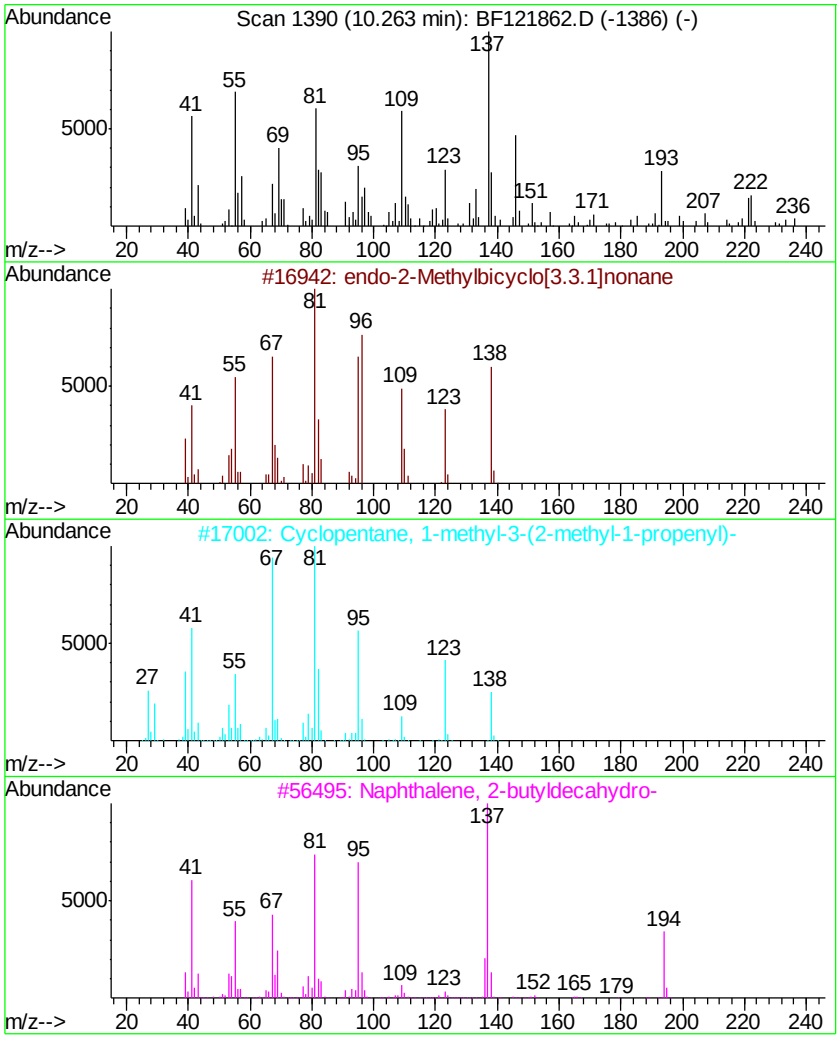
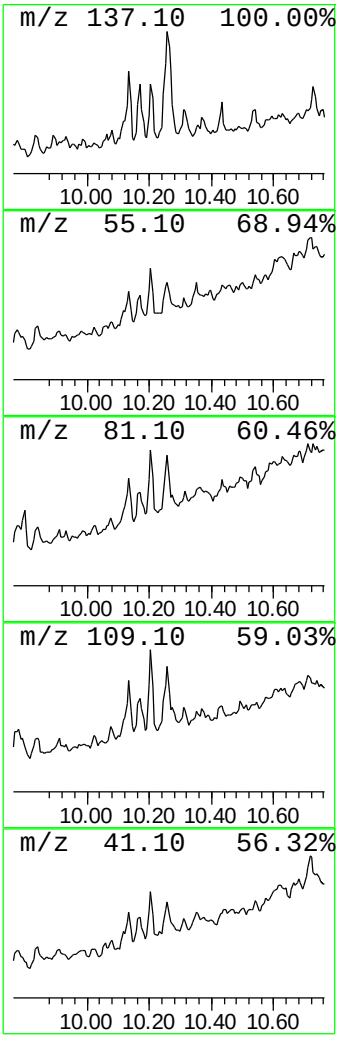
Peak Number 9 endo-2-Methylbicyclo[3.3.1]... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 7.92 ng | 313552 | Acenaphthene-d10 | 9.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | endo-2-Methylbicyclo[3.3.1]nonane | 138 | C10H18 | 042558-37-2 | 50 |
| 2 | Cyclopentane, 1-methyl-3-(2-meth... | 138 | C10H18 | 075873-01-7 | 46 |
| 3 | Naphthalene, 2-butyldecahydro- | 194 | C14H26 | 006305-52-8 | 38 |
| 4 | Cyclohexane, 2-chloro-4-methyl-1... | 174 | C10H19Cl | 016052-42-9 | 38 |
| 5 | Bicyclo[2.2.1]heptane, 2,2,3-tri... | 138 | C10H18 | 020536-40-7 | 30 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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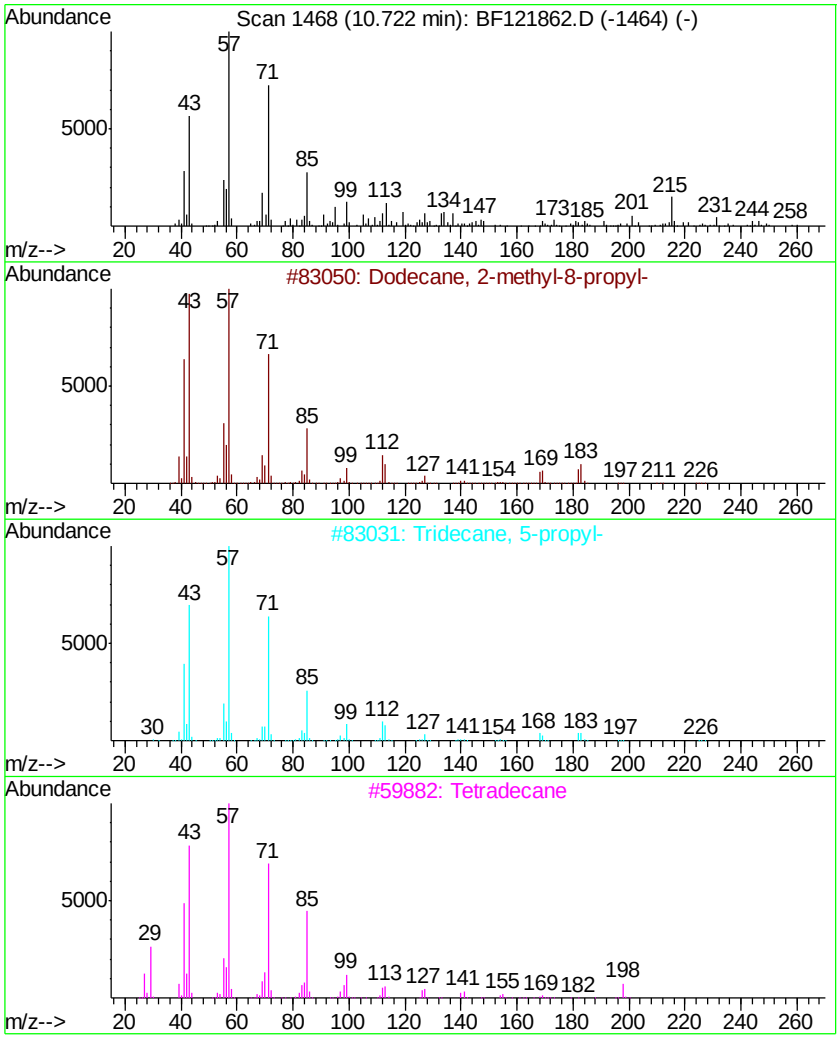
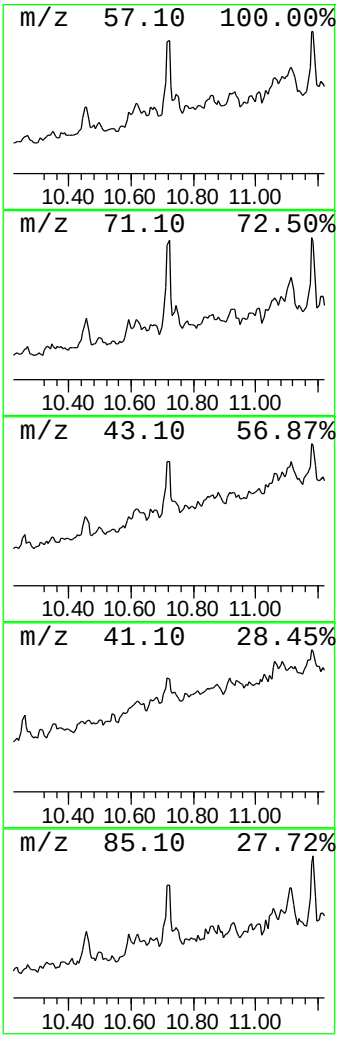
Peak Number 10 Dodecane, 2-methyl-8-propyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.72 | 13.88 ng | 435589 | Phenanthrene-d10 | 11.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2-methyl-8-propyl- | 226 | C16H34 | 055045-07-3 | 90 |
| 2 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 78 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 56 |
| 4 | Hexadecane, 7-methyl- | 240 | C17H36 | 026730-20-1 | 55 |
| 5 | Hexadecane, 2-methyl- | 240 | C17H36 | 001560-92-5 | 49 |



Library Search Compound Report

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Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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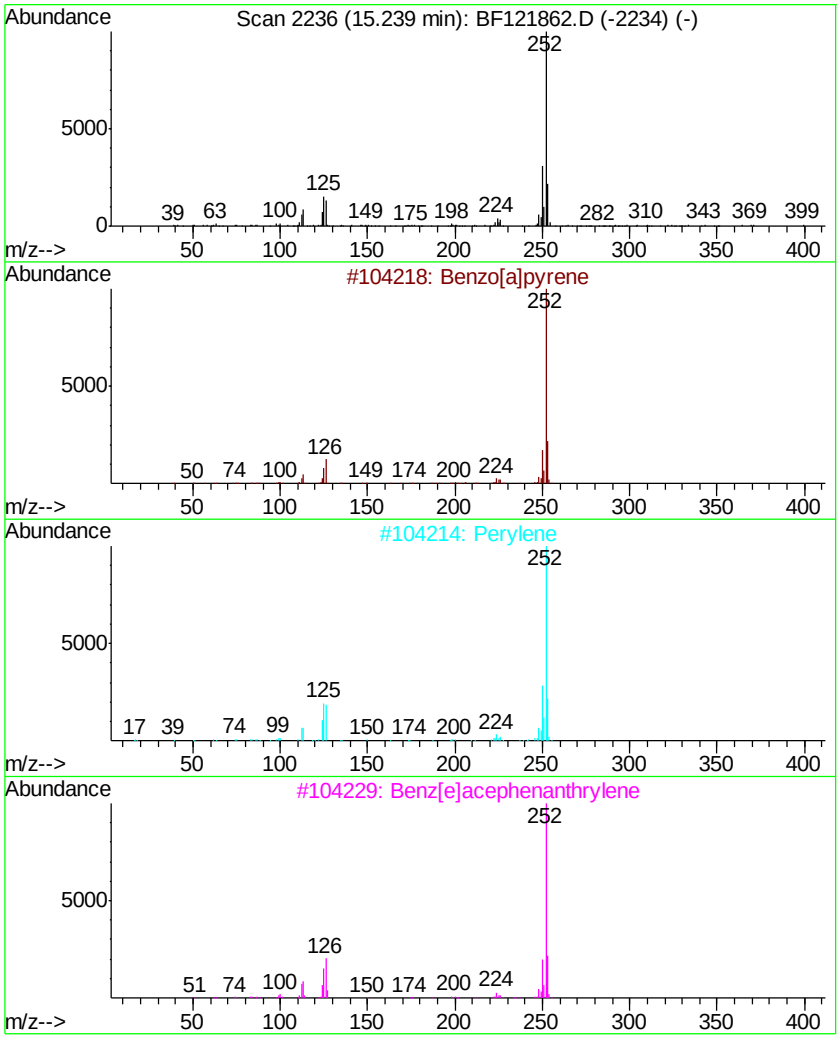
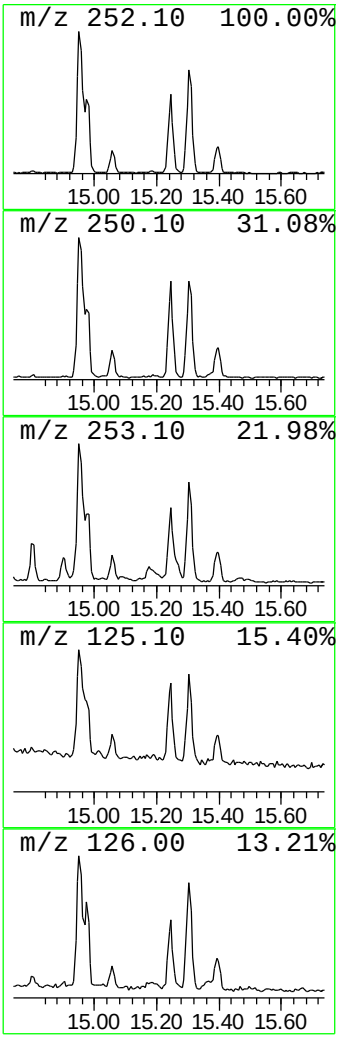
Peak Number 11 Perylene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.24 | 6.33 ng | 206049 | Perylene-d12 | 15.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 96 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 95 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 95 |
| 4 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 90 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100620\
Data File : BF121862.D
Acq On : 6 Oct 2020 20:04
Operator : JU/CG
Sample : L4230-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26516

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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 |
| 1H-Indene, octahy... | 9.50 | 6.7 | ng | 263857 | 3 | 9.80 | 792121 | 20.0 |
| Decahydro-4,4,8,9... | 9.66 | 4.9 | ng | 193006 | 3 | 9.80 | 792121 | 20.0 |
| Silane, chlorodie... | 9.71 | 7.7 | ng | 306716 | 3 | 9.80 | 792121 | 20.0 |
| unknown9.75 | 9.75 | 3.1 | ng | 123379 | 3 | 9.80 | 792121 | 20.0 |
| L-Valine, N-(4-et... | 10.06 | 2.1 | ng | 84340 | 3 | 9.80 | 792121 | 20.0 |
| Decahydro-8a-ethy... | 10.13 | 8.0 | ng | 316626 | 3 | 9.80 | 792121 | 20.0 |
| unknown10.17 | 10.17 | 5.4 | ng | 215496 | 3 | 9.80 | 792121 | 20.0 |
| 2,11-Dioxabicyclo... | 10.20 | 8.2 | ng | 324590 | 3 | 9.80 | 792121 | 20.0 |
| endo-2-Methylbicy... | 10.26 | 7.9 | ng | 313552 | 3 | 9.80 | 792121 | 20.0 |
| Dodecane, 2-methy... | 10.72 | 13.9 | ng | 435589 | 4 | 11.29 | 627647 | 20.0 |
| Perylene | 15.24 | 6.3 | ng | 206049 | 6 | 15.37 | 650563 | 20.0 |