LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S-14-02

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132053.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.134 | 3 | 8 | 29 | rVB2 | 548319 | 1518886 | 8.60% | 2.008% |
| 2 | 3.569 | 243 | 252 | 268 | rBV | 118401 | 424994 | 2.41% | 0.562% |
| 3 | 3.722 | 268 | 278 | 306 | rBV4 | 209116 | 832531 | 4.71% | 1.101% |
| 4 | 4.293 | 367 | 375 | 377 | rBV2 | 331851 | 583913 | 3.30% | 0.772% |
| 5 | 4.416 | 377 | 396 | 399 | rVB | 4515300 | 17668165 | 100.00% | 23.355% |
| 6 | 5.322 | 544 | 550 | 559 | rBV | 955107 | 1342166 | 7.60% | 1.774% |
| 7 | 5.387 | 559 | 561 | 573 | rVB | 267351 | 345517 | 1.96% | 0.457% |
| 8 | 5.546 | 584 | 588 | 594 | rBV | 299590 | 346963 | 1.96% | 0.459% |
| 9 | 5.687 | 608 | 612 | 614 | rBV | 475931 | 534206 | 3.02% | 0.706% |
| 10 | 6.251 | 701 | 708 | 711 | rVB | 996877 | 945770 | 5.35% | 1.250% |
| 11 | 6.434 | 734 | 739 | 743 | rBV2 | 377608 | 522770 | 2.96% | 0.691% |
| 12 | 6.528 | 751 | 755 | 759 | rBV2 | 888827 | 975385 | 5.52% | 1.289% |
| 13 | 6.598 | 764 | 767 | 771 | rVV4 | 144580 | 179023 | 1.01% | 0.237% |
| 14 | 6.645 | 772 | 775 | 778 | rBV | 673109 | 620766 | 3.51% | 0.821% |
| 15 | 6.728 | 786 | 789 | 793 | rBV3 | 353880 | 711366 | 4.03% | 0.940% |
| 16 | 6.775 | 794 | 797 | 798 | rVV | 687177 | 875761 | 4.96% | 1.158% |
| 17 | 6.798 | 799 | 801 | 802 | rVB | 889872 | 617774 | 3.50% | 0.817% |
| 18 | 6.916 | 818 | 821 | 825 | rVB4 | 134115 | 189610 | 1.07% | 0.251% |
| 19 | 6.992 | 831 | 834 | 837 | rBV | 523815 | 415295 | 2.35% | 0.549% |
| 20 | 7.069 | 844 | 847 | 849 | rBV | 221297 | 234456 | 1.33% | 0.310% |
| 21 | 7.098 | 849 | 852 | 858 | rVV2 | 1458328 | 1786156 | 10.11% | 2.361% |
| 22 | 7.175 | 861 | 865 | 871 | rVV2 | 193525 | 427758 | 2.42% | 0.565% |
| 23 | 7.245 | 871 | 877 | 887 | rVV2 | 462768 | 880969 | 4.99% | 1.165% |
| 24 | 7.363 | 892 | 897 | 901 | rVV | 2371989 | 3097295 | 17.53% | 4.094% |
| 25 | 7.428 | 904 | 908 | 912 | rVV2 | 1558634 | 1507122 | 8.53% | 1.992% |
| 26 | 7.516 | 912 | 923 | 927 | rVB6 | 101476 | 234849 | 1.33% | 0.310% |
| 27 | 7.716 | 954 | 957 | 959 | rVV2 | 277003 | 307340 | 1.74% | 0.406% |
| 28 | 7.739 | 959 | 961 | 966 | rVV | 150155 | 201238 | 1.14% | 0.266% |
| 29 | 7.810 | 971 | 973 | 979 | rVV4 | 282286 | 338790 | 1.92% | 0.448% |
| 30 | 7.898 | 979 | 988 | 990 | rVV | 315530 | 680254 | 3.85% | 0.899% |
| 31 | 8.039 | 1008 | 1012 | 1014 | rVV4 | 195173 | 214934 | 1.22% | 0.284% |
| 32 | 8.151 | 1024 | 1031 | 1034 | rVB2 | 215214 | 388368 | 2.20% | 0.513% |
| 33 | 8.192 | 1034 | 1038 | 1040 | rBV | 265516 | 235732 | 1.33% | 0.312% |
| 34 | 8.257 | 1045 | 1049 | 1053 | rBV3 | 120459 | 178111 | 1.01% | 0.235% |
| 35 | 8.369 | 1063 | 1068 | 1071 | rVV | 2121273 | 2206544 | 12.49% | 2.917% |
| 36 | 8.410 | 1071 | 1075 | 1079 | rVV2 | 284891 | 350302 | 1.98% | 0.463% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.469 | 1080 | 1085 | 1096 | rVV2 | 2670179 | 3032681 | 17.16% | 4.009% |
| 38 | 8.675 | 1110 | 1120 | 1124 | rVV | 1955296 | 2317099 | 13.11% | 3.063% |
| 39 | 8.716 | 1124 | 1127 | 1131 | rVB | 288188 | 244923 | 1.39% | 0.324% |
| 40 | 8.828 | 1140 | 1146 | 1148 | rBV | 3743473 | 4029705 | 22.81% | 5.327% |
| 41 | 8.845 | 1148 | 1149 | 1154 | rVV3 | 367631 | 409173 | 2.32% | 0.541% |
| 42 | 8.975 | 1164 | 1171 | 1172 | rBV | 2391097 | 2615625 | 14.80% | 3.458% |
| 43 | 9.016 | 1172 | 1178 | 1181 | rVV | 2703717 | 4073793 | 23.06% | 5.385% |
| 44 | 9.045 | 1181 | 1183 | 1184 | rVV | 196736 | 179810 | 1.02% | 0.238% |
| 45 | 9.069 | 1184 | 1187 | 1189 | rVV | 2040643 | 2092147 | 11.84% | 2.766% |
| 46 | 9.092 | 1189 | 1191 | 1193 | rVV | 792623 | 575365 | 3.26% | 0.761% |
| 47 | 9.122 | 1193 | 1196 | 1198 | rVV | 654324 | 514117 | 2.91% | 0.680% |
| 48 | 9.163 | 1198 | 1203 | 1205 | rVV2 | 1496701 | 1634410 | 9.25% | 2.160% |
| 49 | 9.198 | 1205 | 1209 | 1212 | rVV | 242745 | 255696 | 1.45% | 0.338% |
| 50 | 9.386 | 1232 | 1241 | 1243 | rBV | 483807 | 846742 | 4.79% | 1.119% |
| 51 | 9.610 | 1275 | 1279 | 1283 | rVV5 | 246918 | 355602 | 2.01% | 0.470% |
| 52 | 9.663 | 1283 | 1288 | 1293 | rVV2 | 507352 | 698951 | 3.96% | 0.924% |
| 53 | 9.728 | 1295 | 1299 | 1301 | rVV | 330469 | 412936 | 2.34% | 0.546% |
| 54 | 9.786 | 1301 | 1309 | 1313 | rVV2 | 574922 | 1339649 | 7.58% | 1.771% |
| 55 | 9.828 | 1313 | 1316 | 1318 | rVV2 | 176238 | 183763 | 1.04% | 0.243% |
| 56 | 9.863 | 1318 | 1322 | 1326 | rVB2 | 273500 | 343337 | 1.94% | 0.454% |
| 57 | 10.369 | 1405 | 1408 | 1410 | rVV | 312590 | 255497 | 1.45% | 0.338% |
| 58 | 10.422 | 1414 | 1417 | 1420 | rVB | 228059 | 189778 | 1.07% | 0.251% |
| 59 | 10.616 | 1447 | 1450 | 1455 | rVB2 | 404106 | 392968 | 2.22% | 0.519% |
| 60 | 11.869 | 1656 | 1663 | 1669 | rBV | 1379190 | 1891243 | 10.70% | 2.500% |
| 61 | 12.474 | 1761 | 1766 | 1769 | rBV | 339035 | 292510 | 1.66% | 0.387% |
| 62 | 12.580 | 1774 | 1784 | 1787 | rBV | 1582232 | 2687541 | 15.21% | 3.553% |
| 63 | 12.645 | 1792 | 1795 | 1803 | rVB | 324822 | 361991 | 2.05% | 0.479% |
| 64 | 12.898 | 1835 | 1838 | 1843 | rVB | 373109 | 320933 | 1.82% | 0.424% |
| 65 | 13.404 | 1921 | 1924 | 1928 | rVB | 212195 | 181083 | 1.02% | 0.239% |

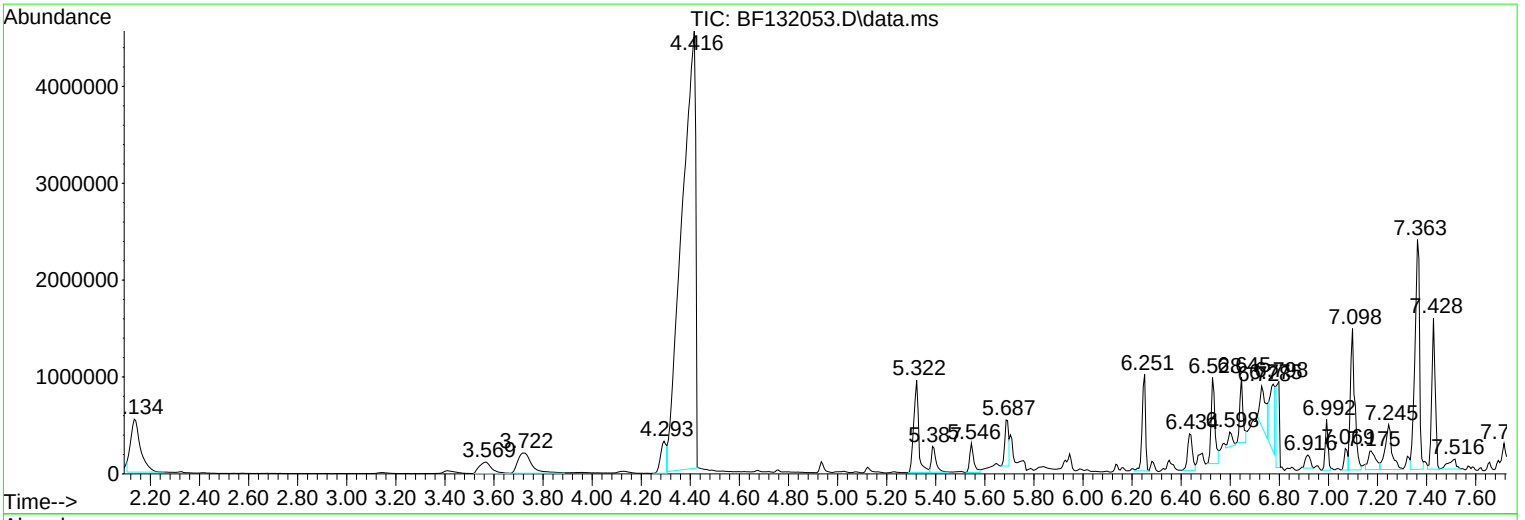
Sum of corrected areas: 75650147

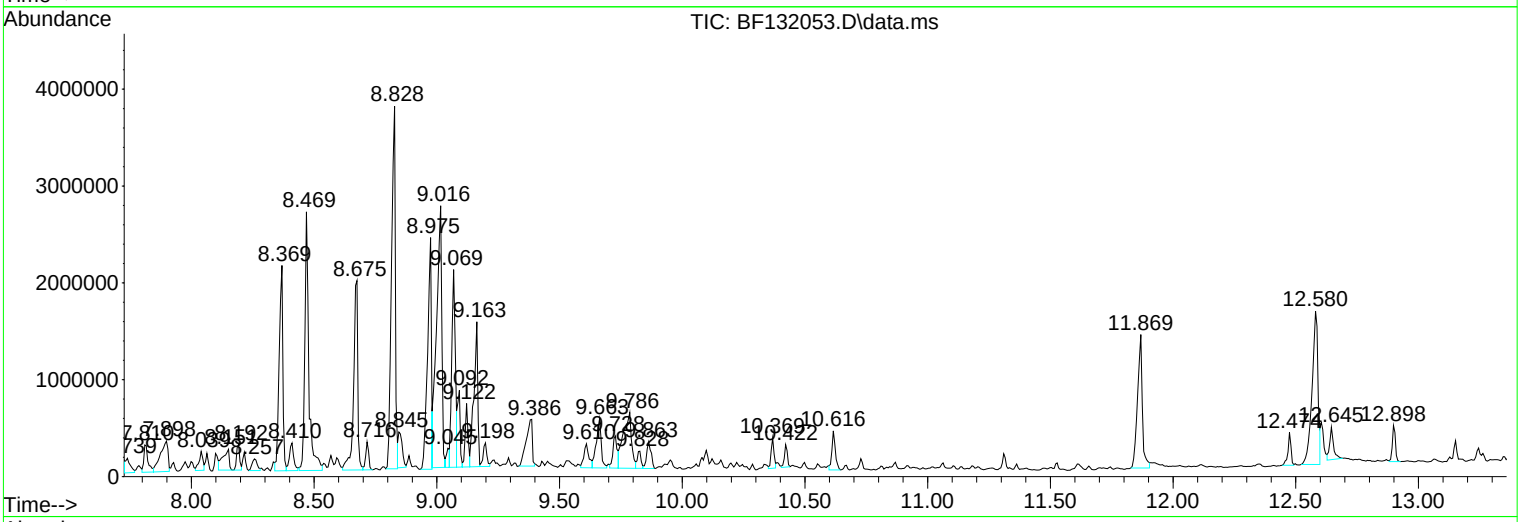
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

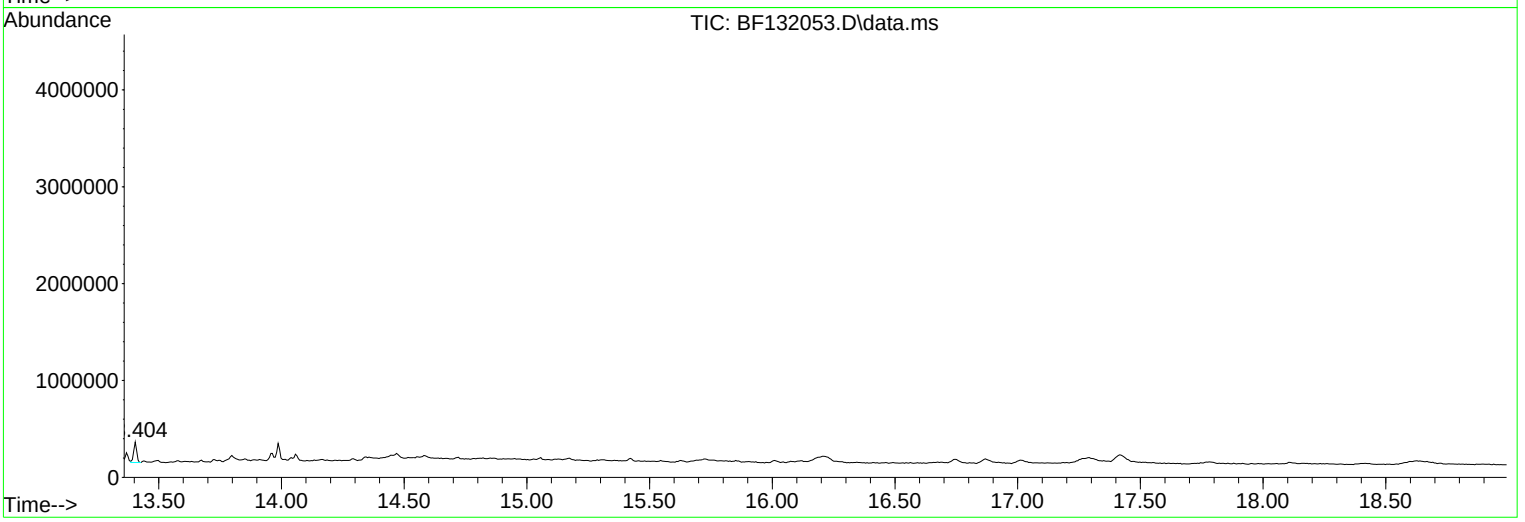
**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

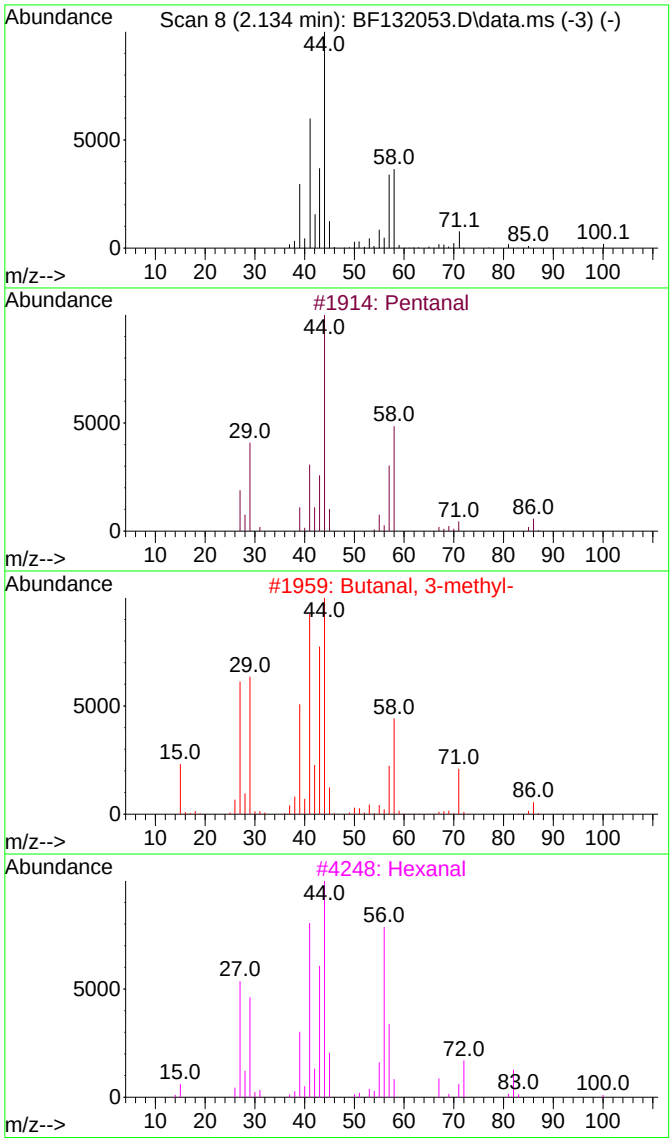
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

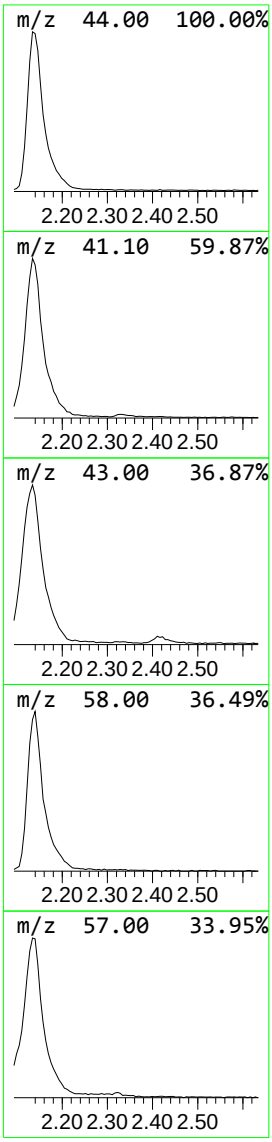
**********

Peak Number 1 Pentanal Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.134 | 34.69 ng | 1518890 | 1,4-Dichlorobenzene-d4 | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentanal | 86 | C5H10O | 000110-62-3 | 78 |
| 2 | Butanal, 3-methyl- | 86 | C5H10O | 000590-86-3 | 64 |
| 3 | Hexanal | 100 | C6H12O | 000066-25-1 | 45 |
| 4 | Ethanol, 2-(2-propenyloxy)- | 102 | C5H10O2 | 000111-45-5 | 10 |
| 5 | 2-Propanamine | 59 | C3H9N | 000075-31-0 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

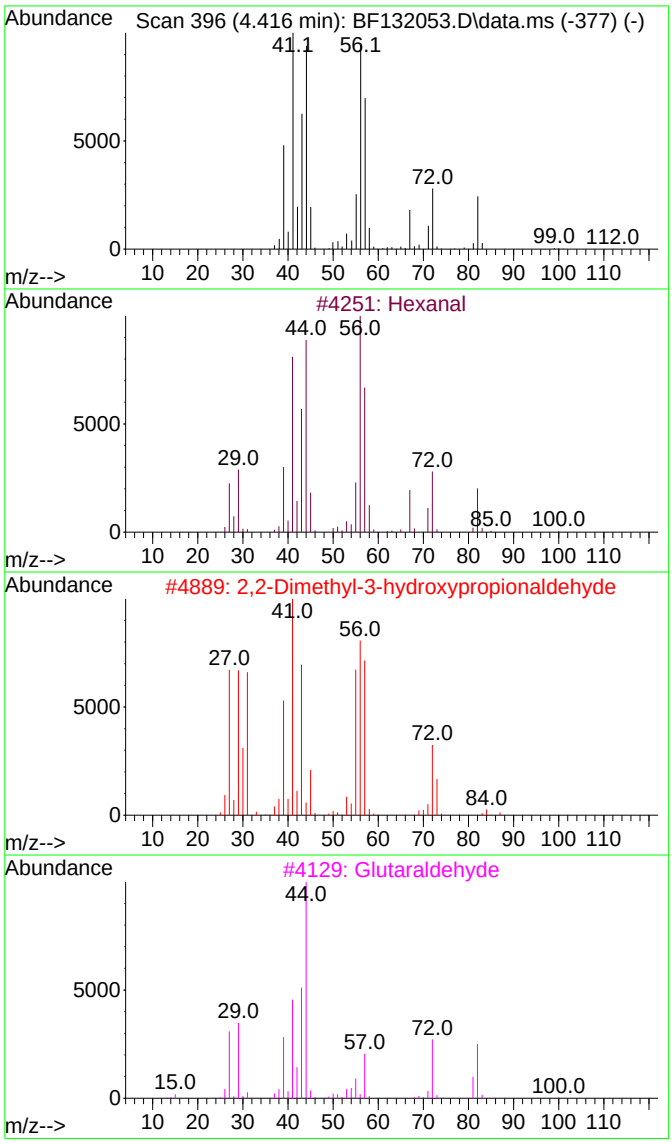
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

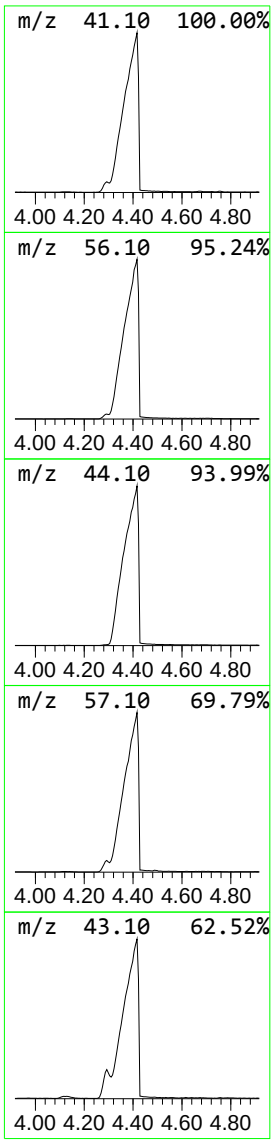
**********

Peak Number 2 Hexanal Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.416 | 403.49 ng | 17668200 | 1,4-Dichlorobenzene-d4 | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanal | 100 | C6H12O | 000066-25-1 | 81 |
| 2 | 2,2-Dimethyl-3-hydroxypropionald... | 102 | C5H10O2 | 000597-31-9 | 37 |
| 3 | Glutaraldehyde | 100 | C5H8O2 | 000111-30-8 | 30 |
| 4 | 1-Butanol, 2-methyl-, (S)- | 88 | C5H12O | 001565-80-6 | 22 |
| 5 | Butanal | 72 | C4H8O | 000123-72-8 | 16 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

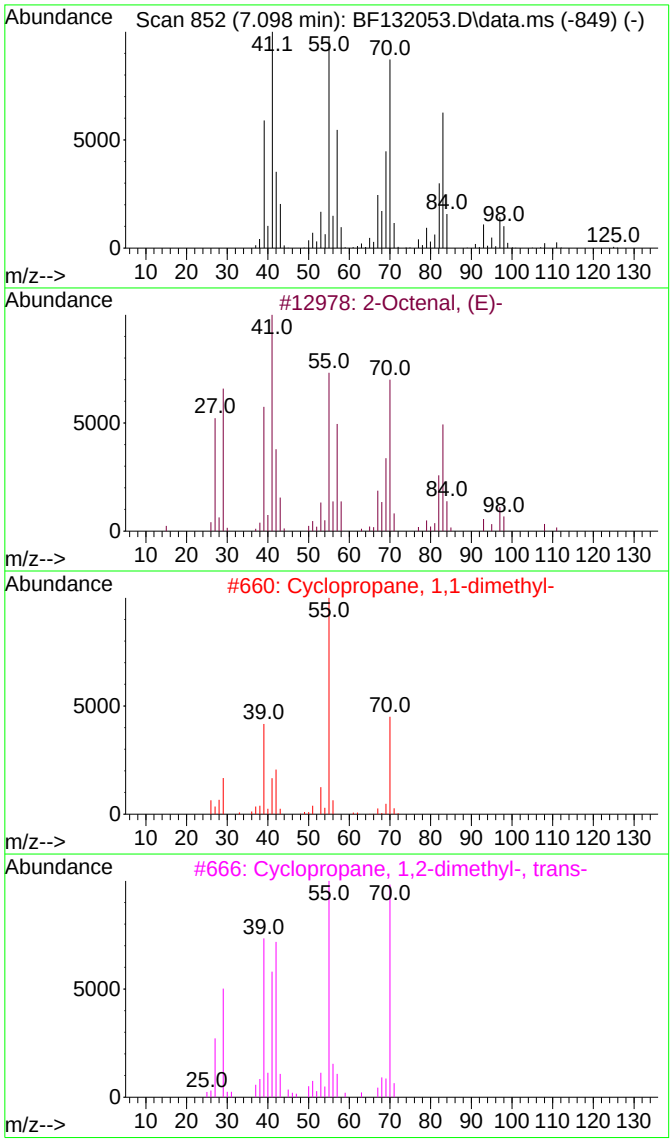
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

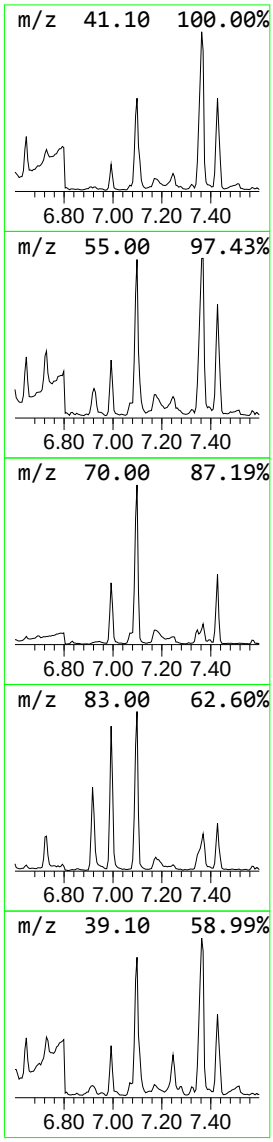
**********

Peak Number 3 2-Octenal, (E)- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.098 | 40.79 ng | 1786160 | 1,4-Dichlorobenzene-d4 | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octenal, (E)- | 126 | C8H14O | 002548-87-0 | 91 |
| 2 | Cyclopropane, 1,1-dimethyl- | 70 | C5H10 | 001630-94-0 | 49 |
| 3 | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10 | 002402-06-4 | 38 |
| 4 | (E)-1,3-Butadien-1-ol | 70 | C4H6O | 070411-98-2 | 38 |
| 5 | (Z)-1,3-Butadien-1-ol | 70 | C4H6O | 070415-58-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

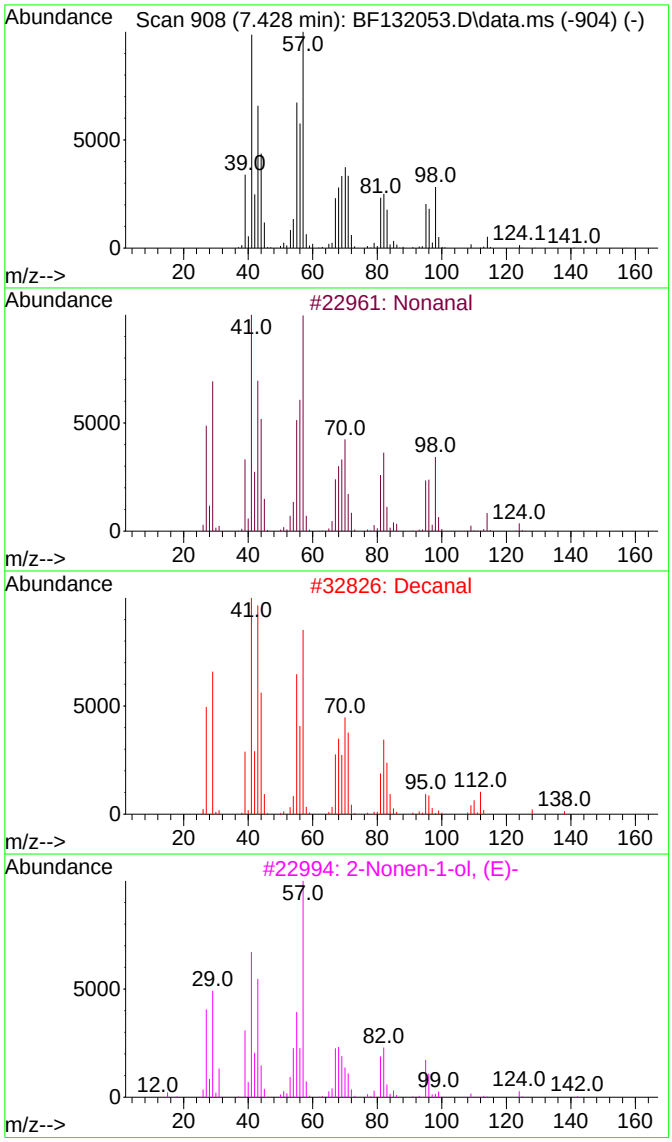
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

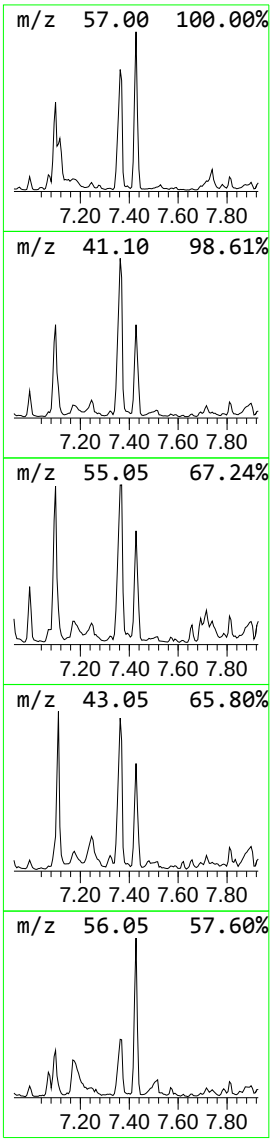
**********

Peak Number 4 Nonanal Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.428 | 140.24 ng | 1507120 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonanal | 142 | C9H18O | 000124-19-6 | 78 |
| 2 | Decanal | 156 | C10H20O | 000112-31-2 | 50 |
| 3 | 2-Nonen-1-ol, (E)- | 142 | C9H18O | 031502-14-4 | 38 |
| 4 | 2-Hepten-1-ol, (E)- | 114 | C7H14O | 033467-76-4 | 30 |
| 5 | 1-Nonanol | 144 | C9H20O | 000143-08-8 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

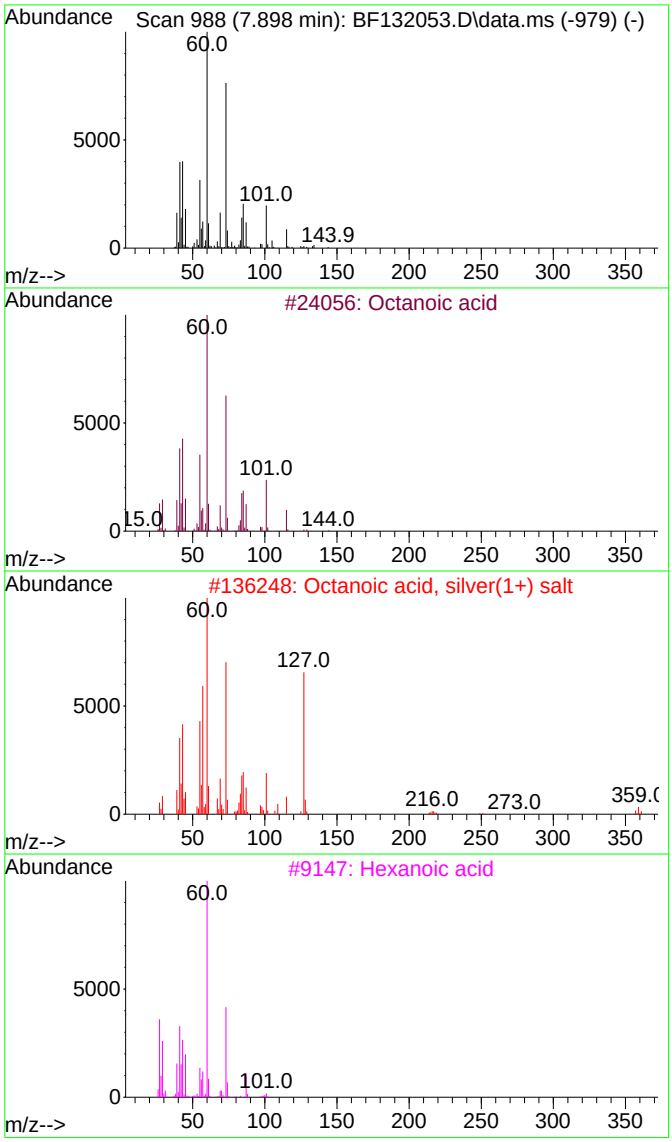
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

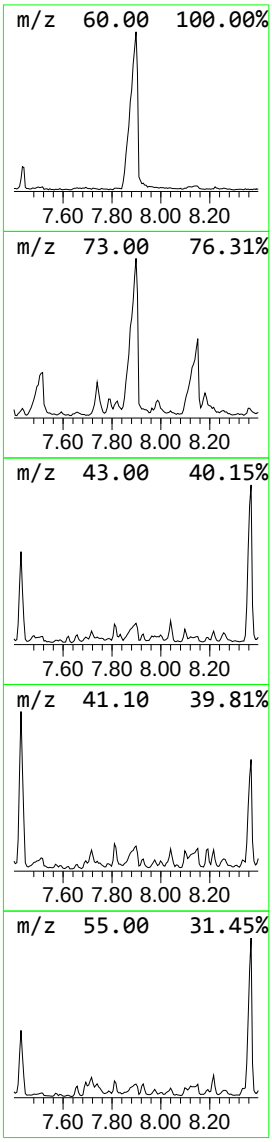
**********

Peak Number 5 Octanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.898 | 63.30 ng | 680254 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octanoic acid | 144 | C8H16O2 | 000124-07-2 | 95 |
| 2 | Octanoic acid, silver(1+) salt | 250 | C8H15AgO2 | 024927-67-1 | 64 |
| 3 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 53 |
| 4 | Propanedioic acid, propyl- | 146 | C6H10O4 | 000616-62-6 | 50 |
| 5 | Pentanoic acid | 102 | C5H10O2 | 000109-52-4 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

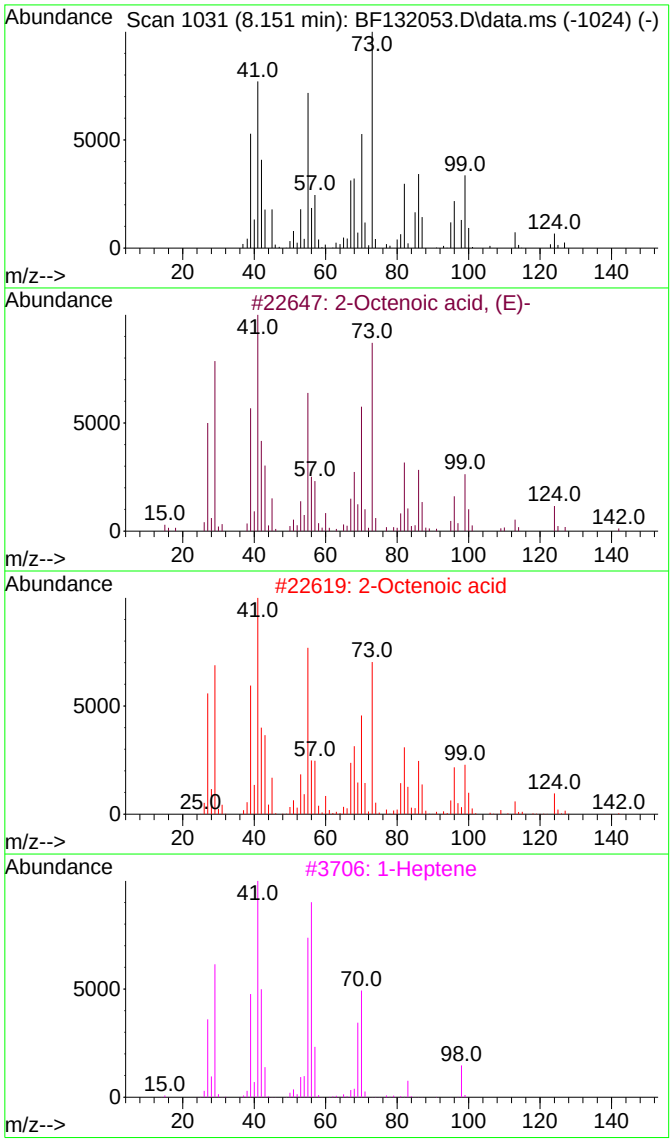
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

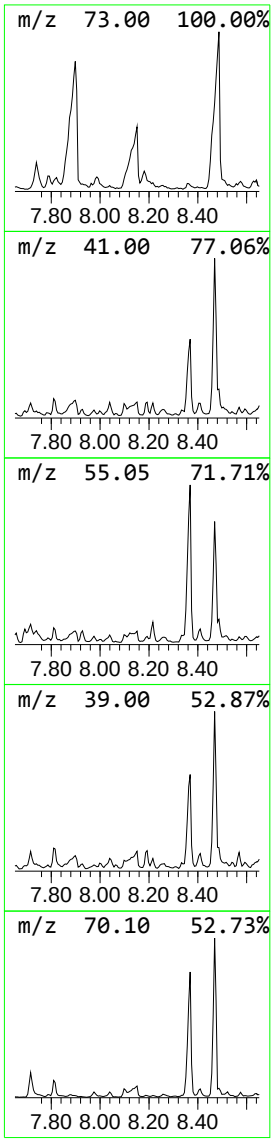
**********

Peak Number 6 2-Octenoic acid, (E)- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.151 | 36.14 ng | 388368 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octenoic acid, (E)- | 142 | C8H14O2 | 001871-67-6 | 78 |
| 2 | 2-Octenoic acid | 142 | C8H14O2 | 001470-50-4 | 50 |
| 3 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 38 |
| 4 | 2-Octenal, (E)- | 126 | C8H14O | 002548-87-0 | 35 |
| 5 | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10 | 002402-06-4 | 30 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

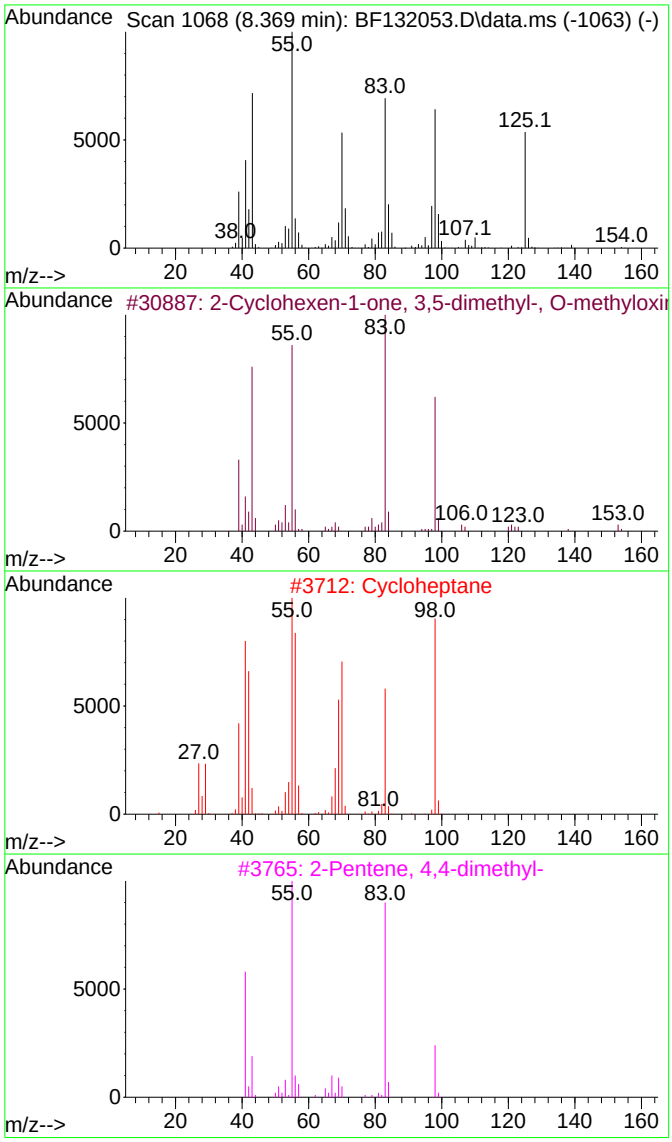
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

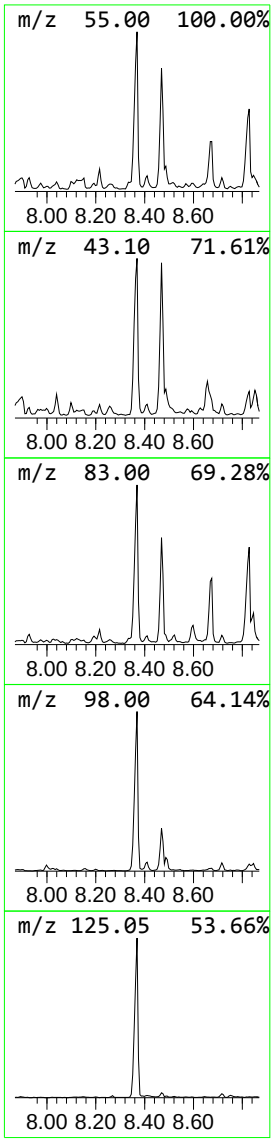
**********

Peak Number 7 unknown8.369 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.369 | 205.32 ng | 2206540 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Cyclohexen-1-one, 3,5-dimethyl... | 153 | C9H15NO | 056336-06-2 | 35 |
| 2 | Cycloheptane | 98 | C7H14 | 000291-64-5 | 35 |
| 3 | 2-Pentene, 4,4-dimethyl- | 98 | C7H14 | 026232-98-4 | 35 |
| 4 | 2-Octanol, trifluoroacetate | 226 | C10H17F3O2 | 000332-83-2 | 27 |
| 5 | Cyclohexanol, 1-ethenyl- | 126 | C8H14O | 001940-19-8 | 27 |



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Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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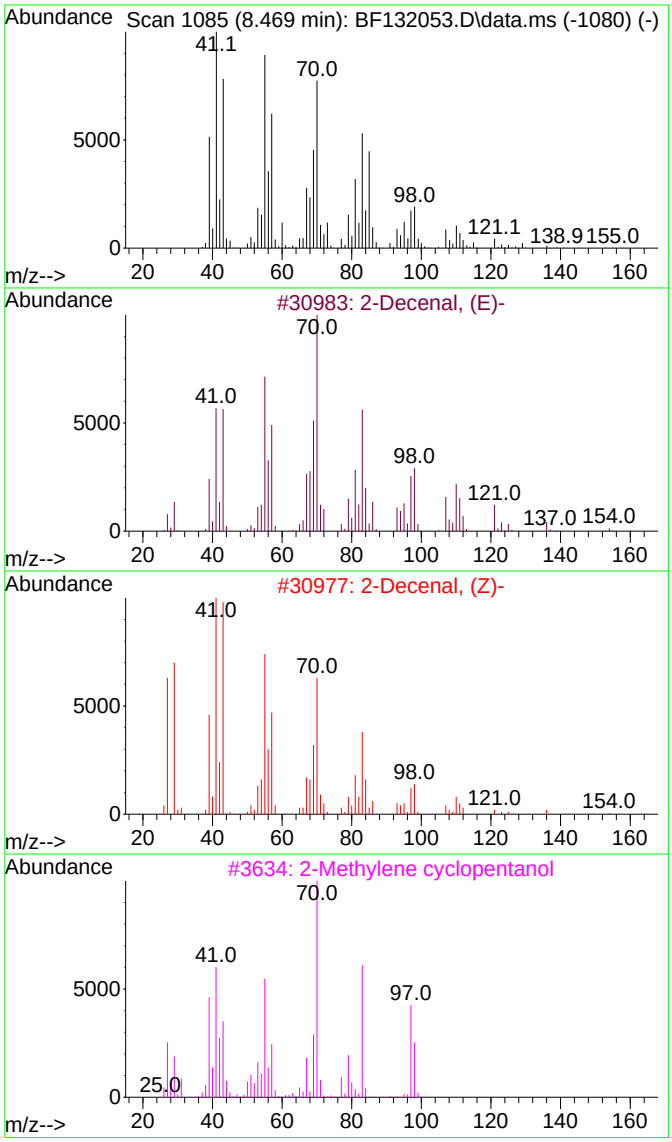
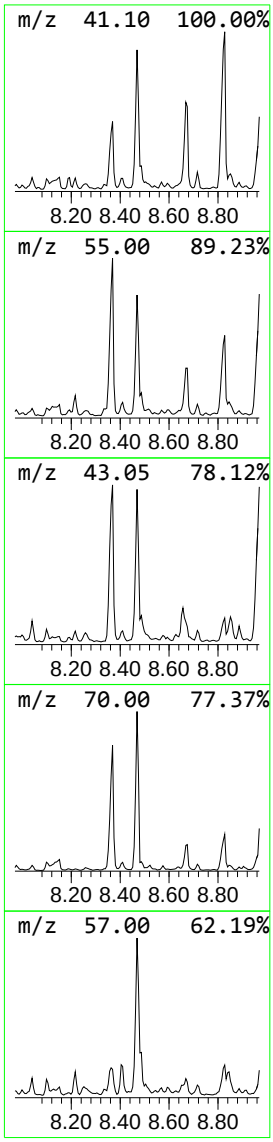
Peak Number 8 2-Decenal, (E)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.469 | 282.20 ng | 3032680 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Decenal, (E)- | 154 | C10H18O | 003913-81-3 | 72 |
| 2 | 2-Decenal, (Z)- | 154 | C10H18O | 002497-25-8 | 58 |
| 3 | 2-Methylene cyclopentanol | 98 | C6H10O | 020461-31-8 | 53 |
| 4 | Methylamine, N-(1-ethylpentylide... | 127 | C8H17N | 018641-73-1 | 47 |
| 5 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 38 |



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Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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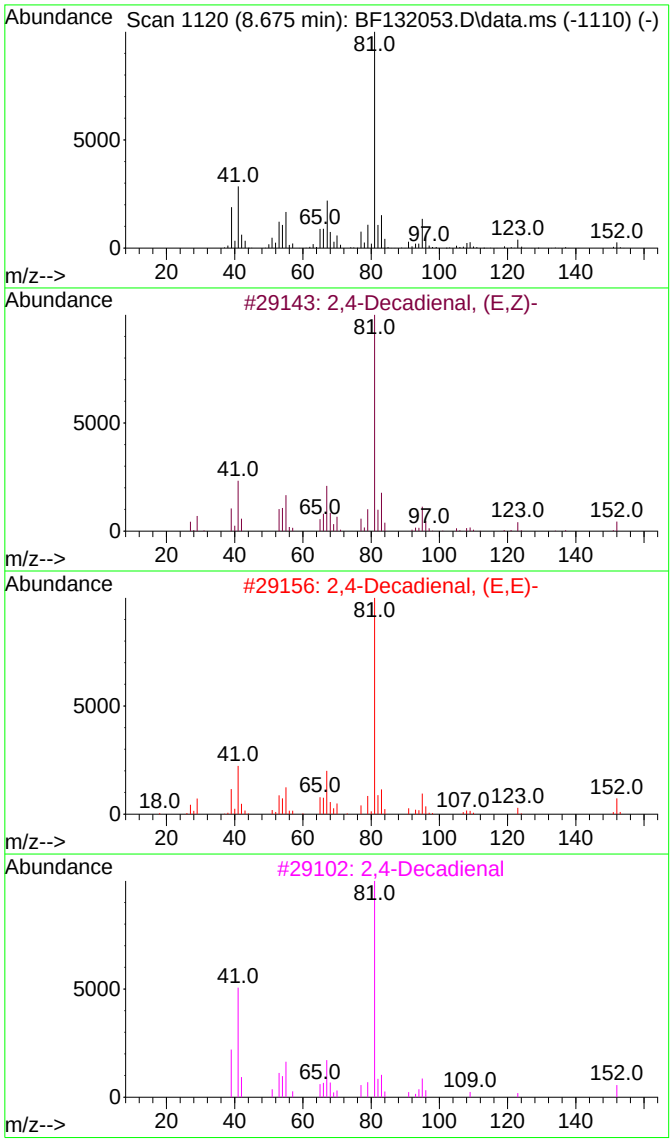
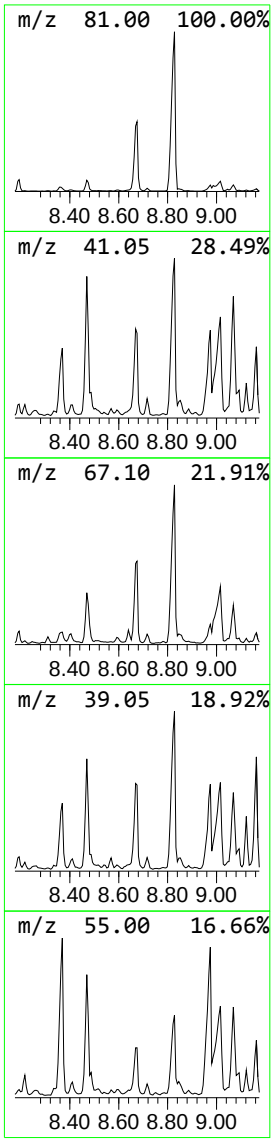
Peak Number 9 2,4-Decadienal, (E,Z)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.675 | 215.61 ng | 2317100 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Decadienal, (E,Z)- | 152 | C10H16O | 025152-83-4 | 94 |
| 2 | 2,4-Decadienal, (E,E)- | 152 | C10H16O | 025152-84-5 | 91 |
| 3 | 2,4-Decadienal | 152 | C10H16O | 002363-88-4 | 90 |
| 4 | 2,4-Nonadienal, (E,E)- | 138 | C9H14O | 005910-87-2 | 78 |
| 5 | 2,4-Nonadienal | 138 | C9H14O | 006750-03-4 | 78 |



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Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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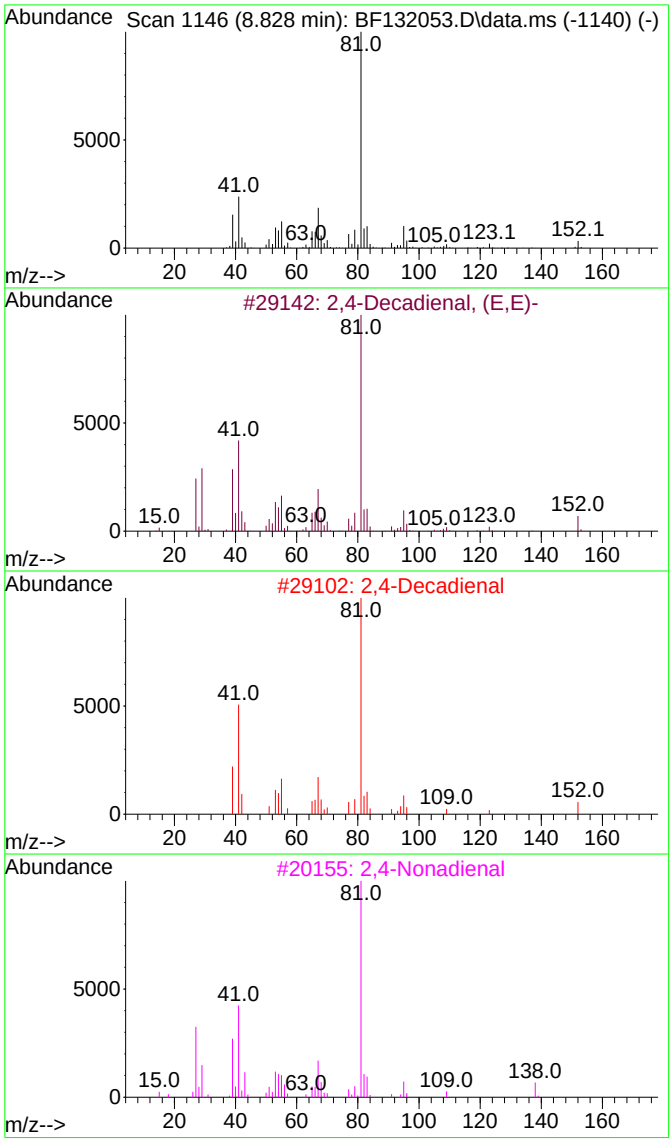
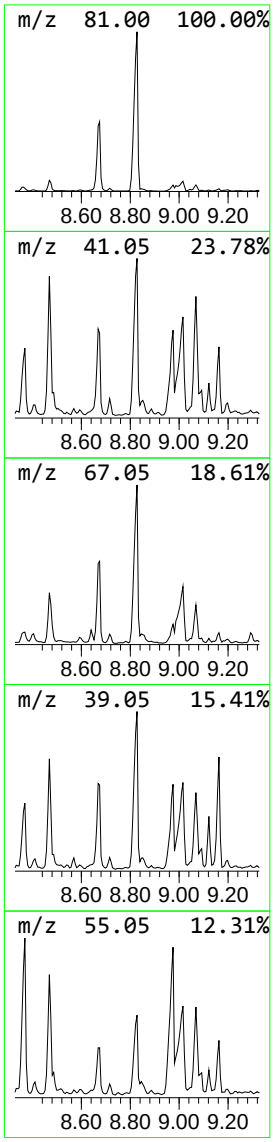
Peak Number 10 2,4-Decadienal, (E,E)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.828 | 374.97 ng | 4029710 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Decadienal, (E,E)- | 152 | C10H16O | 025152-84-5 | 91 |
| 2 | 2,4-Decadienal | 152 | C10H16O | 002363-88-4 | 91 |
| 3 | 2,4-Nonadienal | 138 | C9H14O | 006750-03-4 | 83 |
| 4 | 2,4-Nonadienal, (E,E)- | 138 | C9H14O | 005910-87-2 | 78 |
| 5 | 2,4-Octadienal, (E,E)- | 124 | C8H12O | 030361-28-5 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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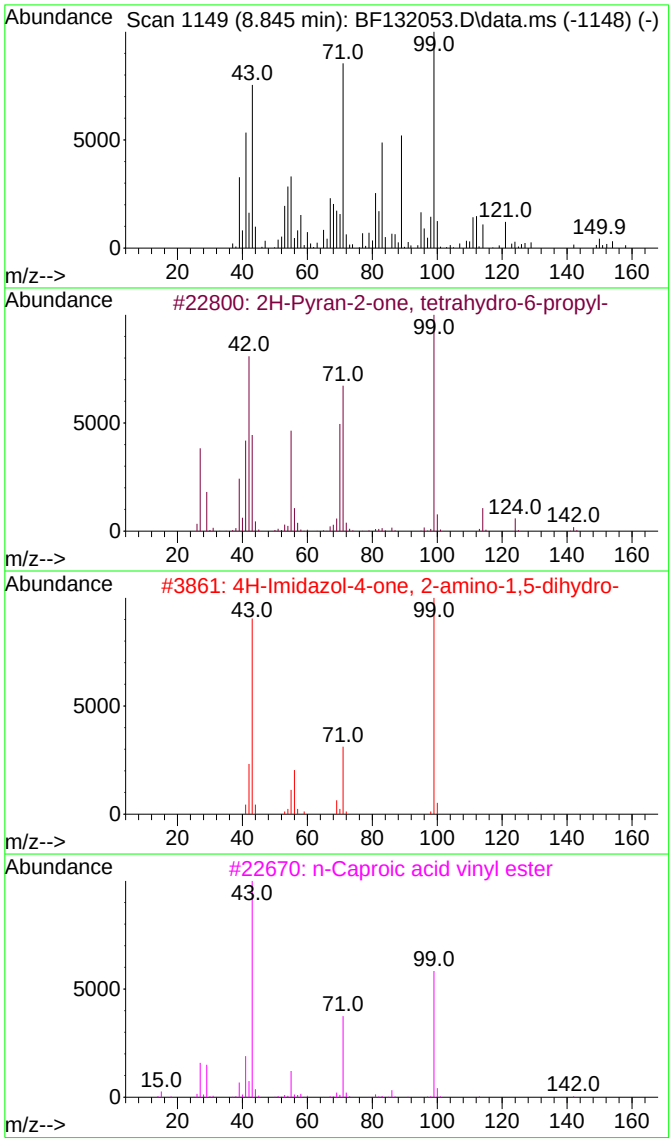
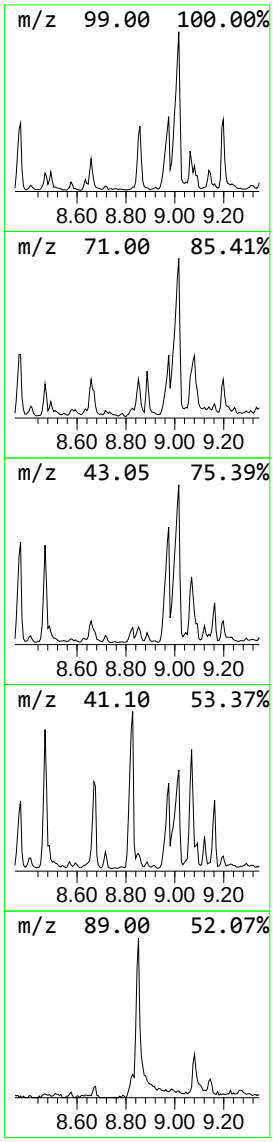
Peak Number 11 unknown8.845 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.845 | 38.07 ng | 409173 | Naphthalene-d8 | 8.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran-2-one, tetrahydro-6-pro... | 142 | C8H14O2 | 000698-76-0 | 49 |
| 2 | 4H-Imidazol-4-one, 2-amino-1,5-d... | 99 | C3H5N3O | 000503-86-6 | 46 |
| 3 | n-Caproic acid vinyl ester | 142 | C8H14O2 | 003050-69-9 | 43 |
| 4 | Hexanethioic acid, S-heptyl ester | 230 | C13H26OS | 002432-80-6 | 43 |
| 5 | Pentanoic acid, 2-methyl-, anhyd... | 214 | C12H22O3 | 063169-61-9 | 43 |



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Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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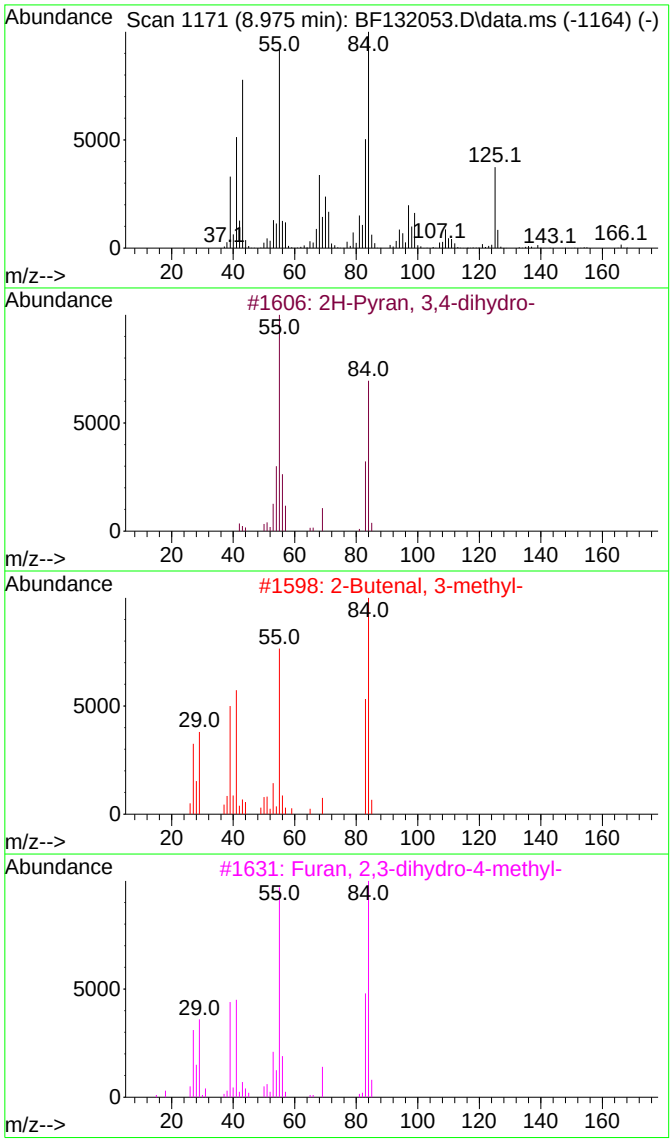
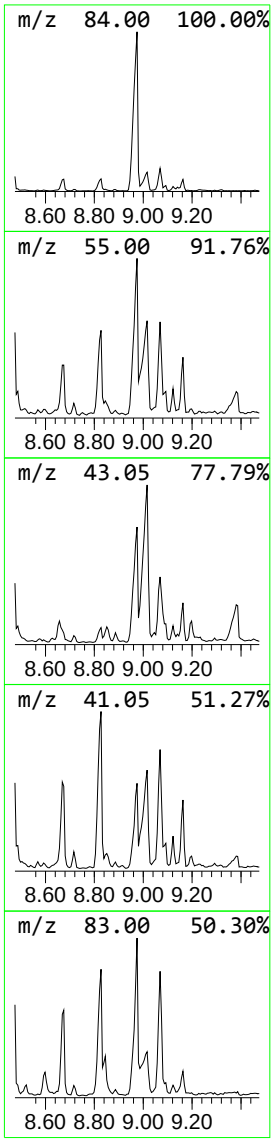
Peak Number 12 2H-Pyran, 3,4-dihydro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.975 | 284.67 ng | 2615630 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Pyran, 3,4-dihydro- | 84 | C5H8O | 000110-87-2 | 55 |
| 2 | 2-Butenal, 3-methyl- | 84 | C5H8O | 000107-86-8 | 46 |
| 3 | Furan, 2,3-dihydro-4-methyl- | 84 | C5H8O | 034314-83-5 | 46 |
| 4 | Octahydropyrrolo[1,2-a]pyrazine | 126 | C7H14N2 | 005654-83-1 | 38 |
| 5 | 2-Methylpiperidine | 99 | C6H13N | 000109-05-7 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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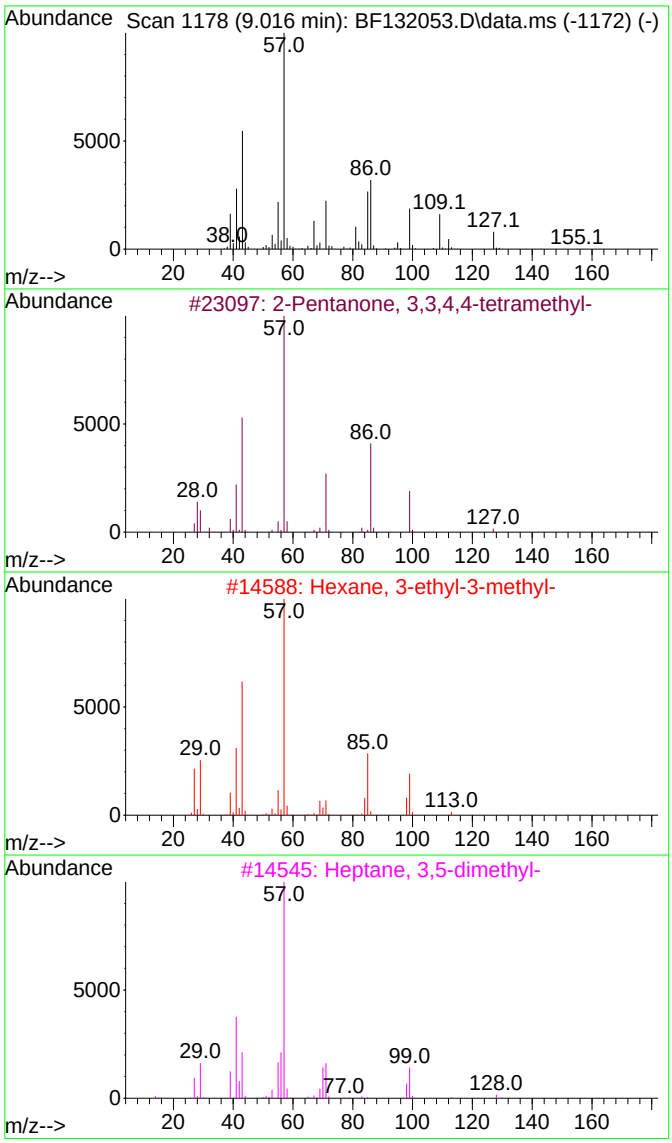
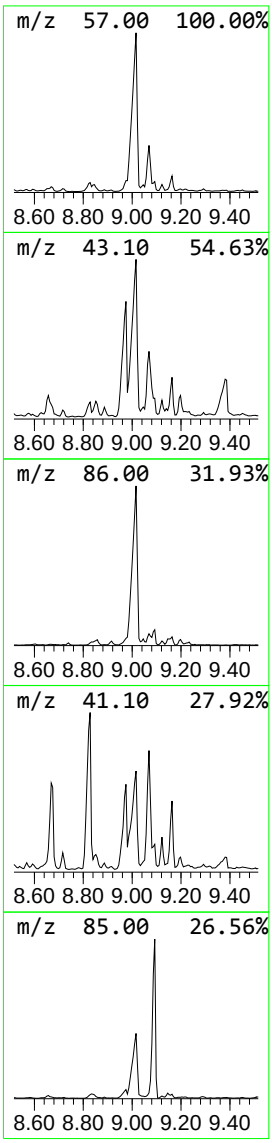
Peak Number 13 unknown9.016 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.016 | 443.38 ng | 4073790 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 3,3,4,4-tetramethyl- | 142 | C9H18O | 000865-66-7 | 43 |
| 2 | Hexane, 3-ethyl-3-methyl- | 128 | C9H20 | 003074-76-8 | 35 |
| 3 | Heptane, 3,5-dimethyl- | 128 | C9H20 | 000926-82-9 | 27 |
| 4 | Hexane, 2,5-dimethyl- | 114 | C8H18 | 000592-13-2 | 27 |
| 5 | 2-Nonanol, trimethylacetate | 228 | C14H28O2 | 1000463-21-6 | 25 |



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Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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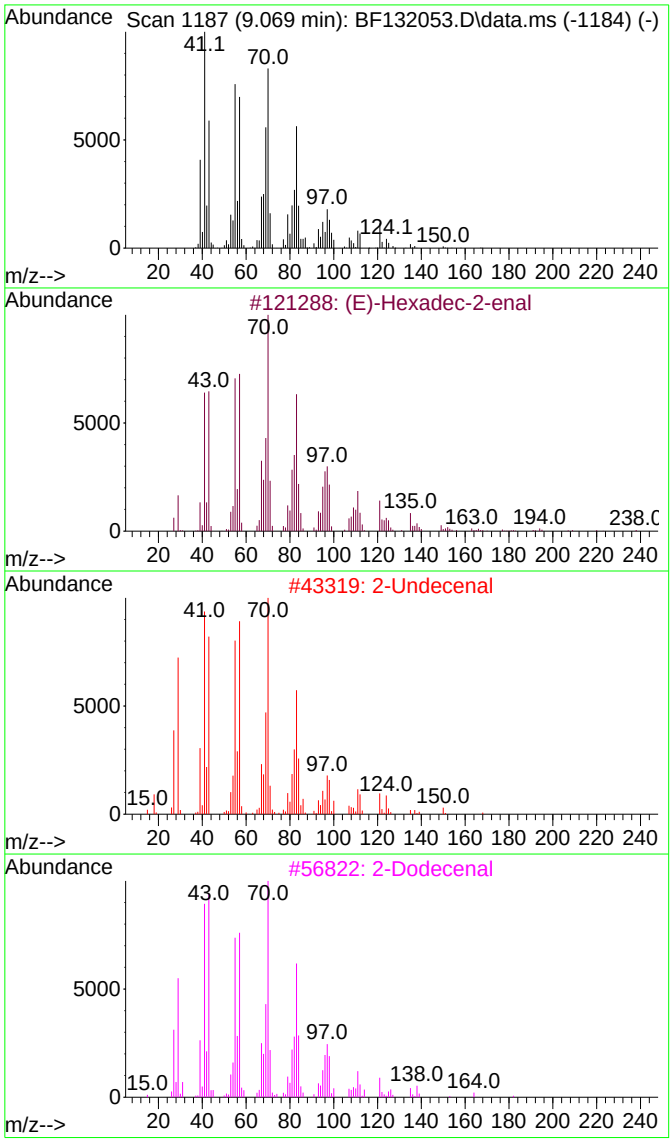
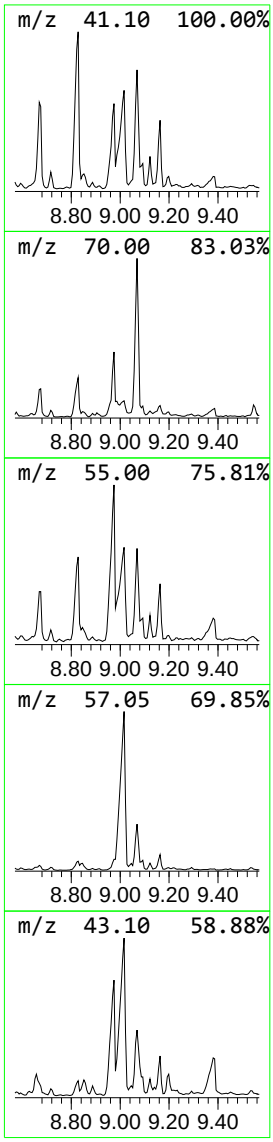
Peak Number 14 (E)-Hexadec-2-enal Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.069 | 227.70 ng | 2092150 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-Hexadec-2-enal | 238 | C16H30O | 022644-96-8 | 90 |
| 2 | 2-Undecenal | 168 | C11H20O | 002463-77-6 | 87 |
| 3 | 2-Dodecenal | 182 | C12H22O | 004826-62-4 | 87 |
| 4 | 2-Tridecenal, (E)- | 196 | C13H24O | 007069-41-2 | 80 |
| 5 | 2-Dodecenal, (E)- | 182 | C12H22O | 020407-84-5 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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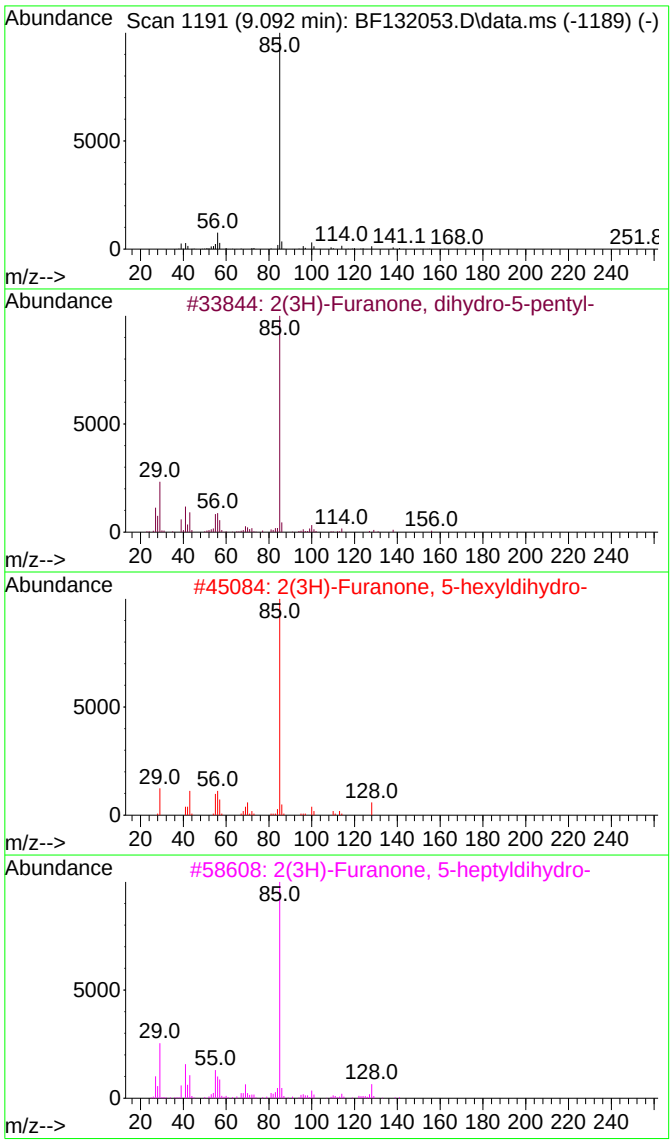
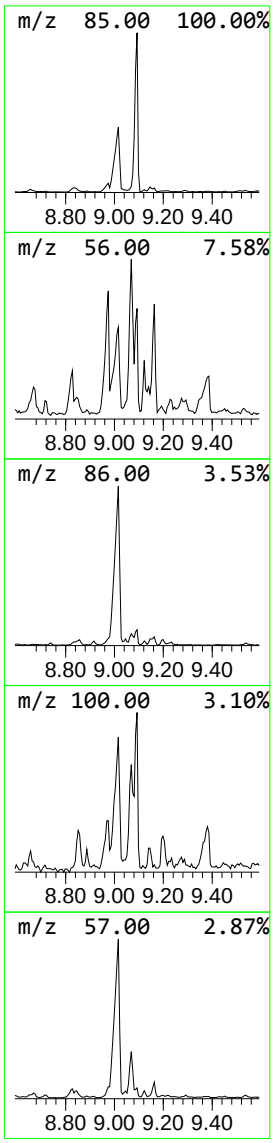
Peak Number 15 2(3H)-Furanone, dihydro-5-p... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.092 | 62.62 ng | 575365 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(3H)-Furanone, dihydro-5-pentyl- | 156 | C9H16O2 | 000104-61-0 | 83 |
| 2 | 2(3H)-Furanone, 5-hexyldihydro- | 170 | C10H18O2 | 000706-14-9 | 78 |
| 3 | 2(3H)-Furanone, 5-heptyldihydro- | 184 | C11H20O2 | 000104-67-6 | 56 |
| 4 | 2(3H)-Furanone, dihydro-5-propyl- | 128 | C7H12O2 | 000105-21-5 | 9 |
| 5 | (S)-3,3,6-Trimethylhepta-1,5-die... | 196 | C12H20O2 | 003465-88-1 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
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Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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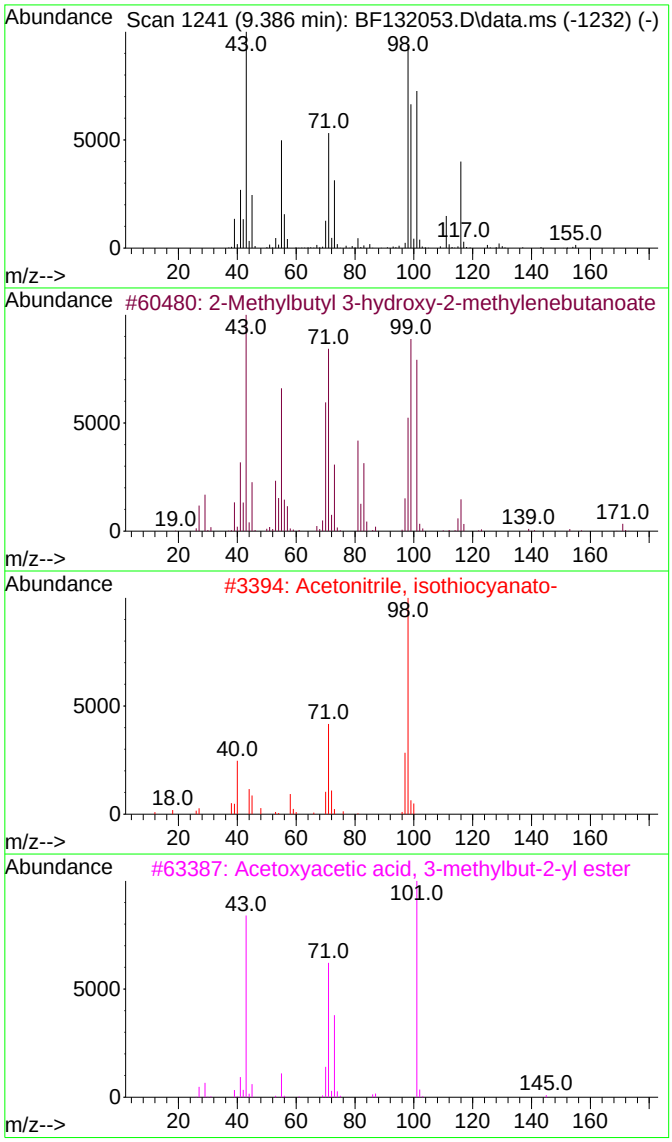
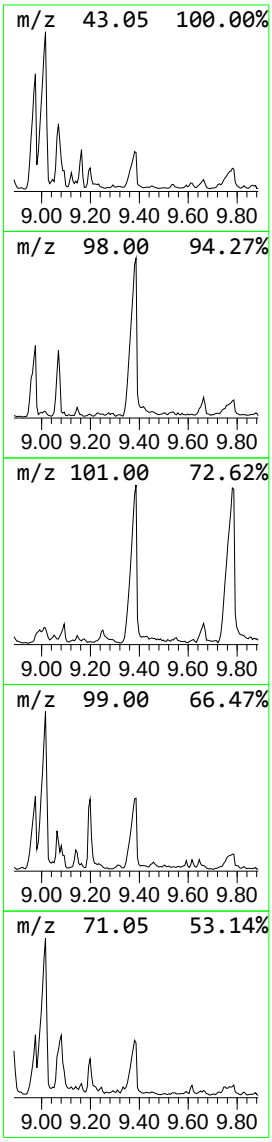
Peak Number 16 unknown9.386 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.386 | 92.16 ng | 846742 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methylbutyl 3-hydroxy-2-methyl... | 186 | C10H18O3 | 080758-69-6 | 47 |
| 2 | Acetonitrile, isothiocyanato- | 98 | C3H2N2S | 032772-75-1 | 25 |
| 3 | Acetoxyacetic acid, 3-methylbut-... | 188 | C9H16O4 | 1000355-69-8 | 22 |
| 4 | 4-Methylthiazole | 99 | C4H5NS | 000693-95-8 | 22 |
| 5 | 2H-Thiopyran, tetrahydro-2-methyl- | 116 | C6H12S | 005161-16-0 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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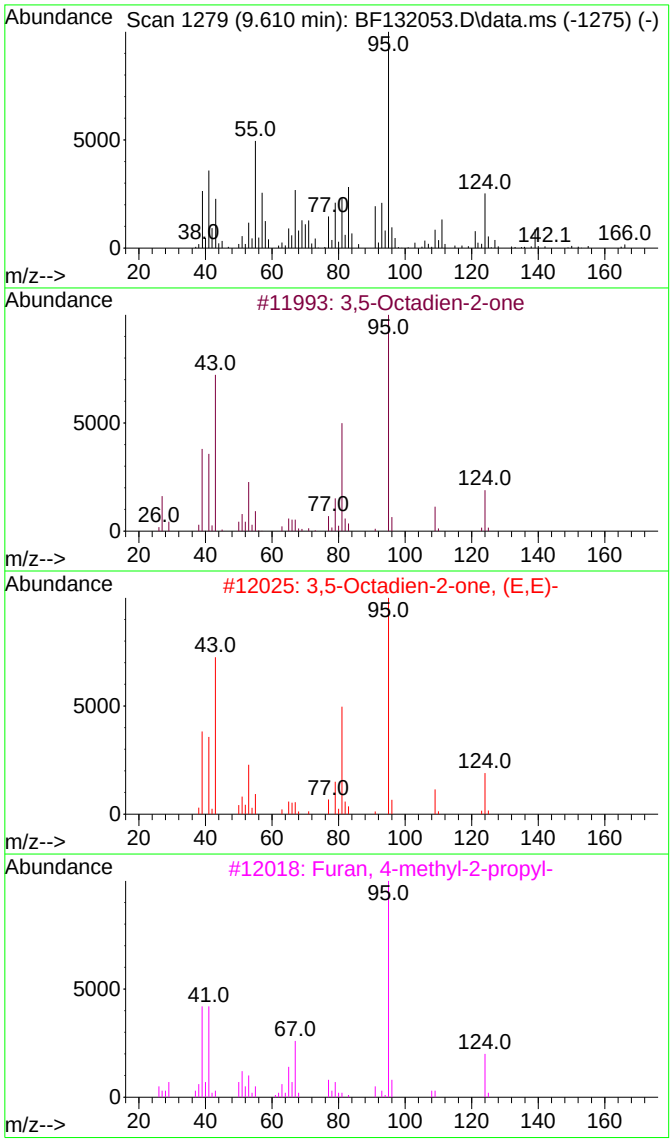
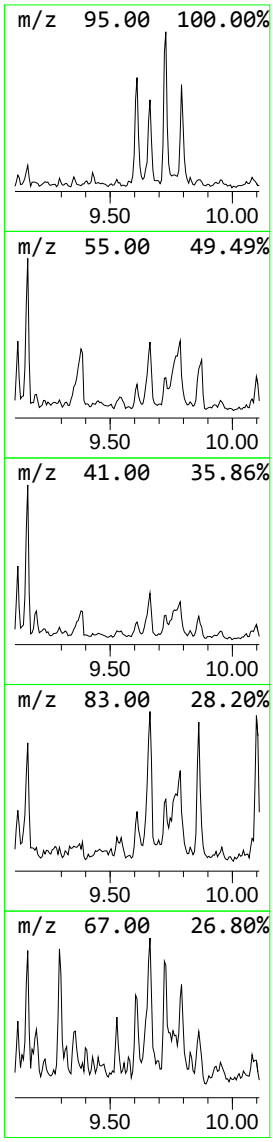
Peak Number 17 3,5-Octadien-2-one Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.610 | 38.70 ng | 355602 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,5-Octadien-2-one | 124 | C8H12O | 038284-27-4 | 52 |
| 2 | 3,5-Octadien-2-one, (E,E)- | 124 | C8H12O | 030086-02-3 | 52 |
| 3 | Furan, 4-methyl-2-propyl- | 124 | C8H12O | 006148-37-4 | 50 |
| 4 | Silane, diethyldifluoro- | 124 | C4H10F2Si | 000358-06-5 | 50 |
| 5 | Cycloheptane, 1-chloro-3-iodo- | 258 | C7H12ClI | 1000337-09-8 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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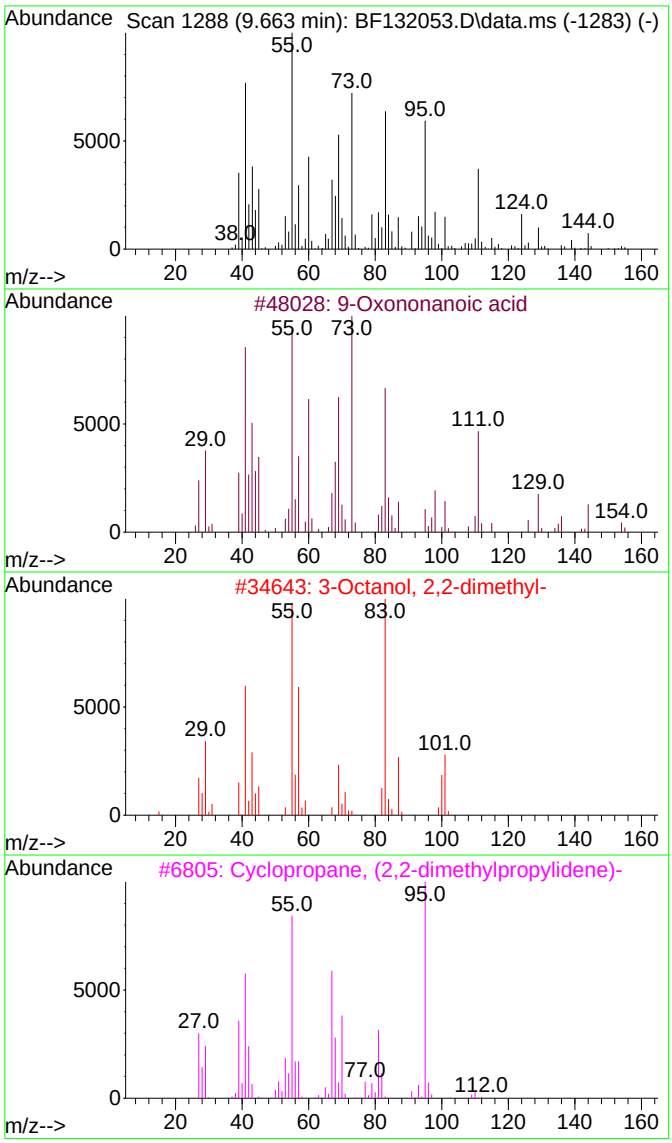
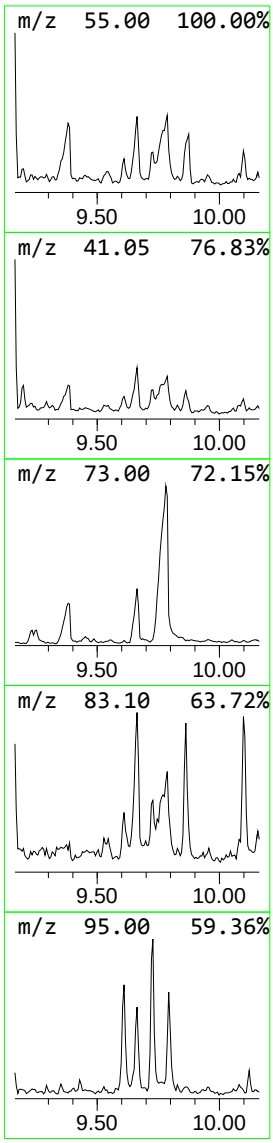
Peak Number 18 unknown9.663 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.663 | 76.07 ng | 698951 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Oxononanoic acid | 172 | C9H16O3 | 002553-17-5 | 49 |
| 2 | 3-Octanol, 2,2-dimethyl- | 158 | C10H22O | 019841-72-6 | 14 |
| 3 | Cyclopropane, (2,2-dimethylpropy... | 110 | C8H14 | 039647-71-7 | 11 |
| 4 | Azeleonitrile | 150 | C9H14N2 | 001675-69-0 | 11 |
| 5 | 1,5-Hexadiene, 2,5-dimethyl- | 110 | C8H14 | 000627-58-7 | 11 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

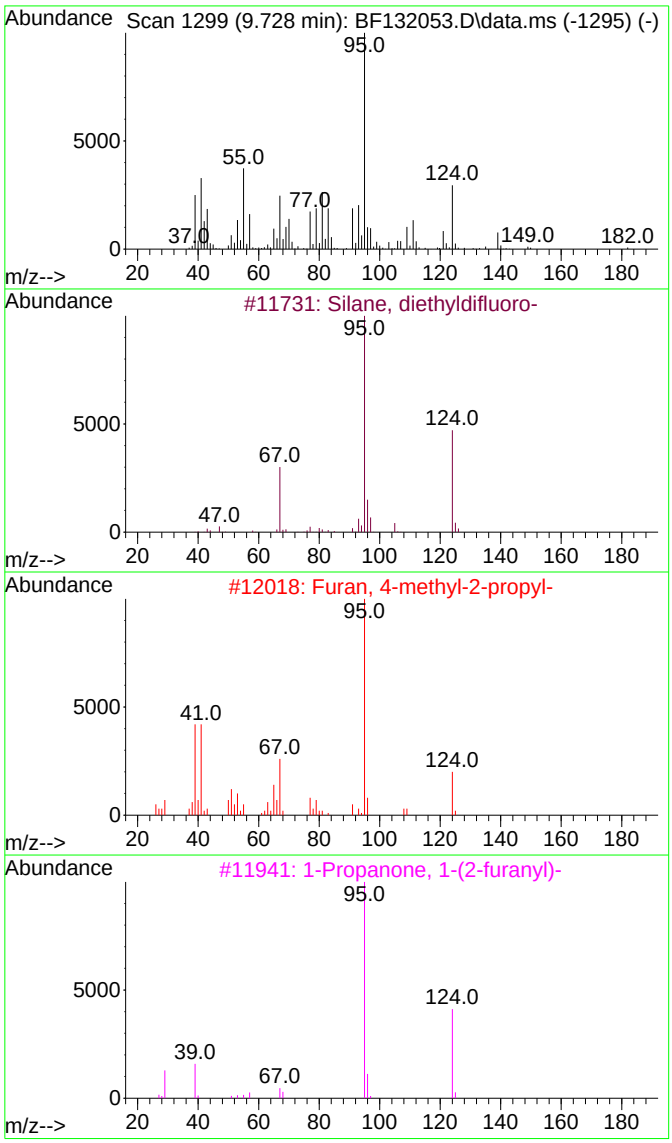
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

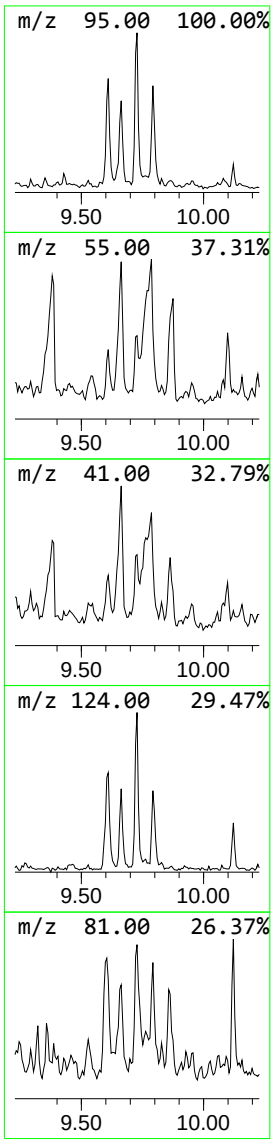
**********

Peak Number 19 Silane, diethyldifluoro- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.728 | 44.94 ng | 412936 | Acenaphthene-d10 | 9.822 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, diethyldifluoro- | 124 | C4H10F2Si | 000358-06-5 | 53 |
| 2 | Furan, 4-methyl-2-propyl- | 124 | C8H12O | 006148-37-4 | 50 |
| 3 | 1-Propanone, 1-(2-furanyl)- | 124 | C7H8O2 | 003194-15-8 | 49 |
| 4 | 1,4-Pentadiene, 2,3,4-trimethyl- | 110 | C8H14 | 072014-90-5 | 49 |
| 5 | 3,5-Octadien-2-one, (E,E)- | 124 | C8H12O | 030086-02-3 | 49 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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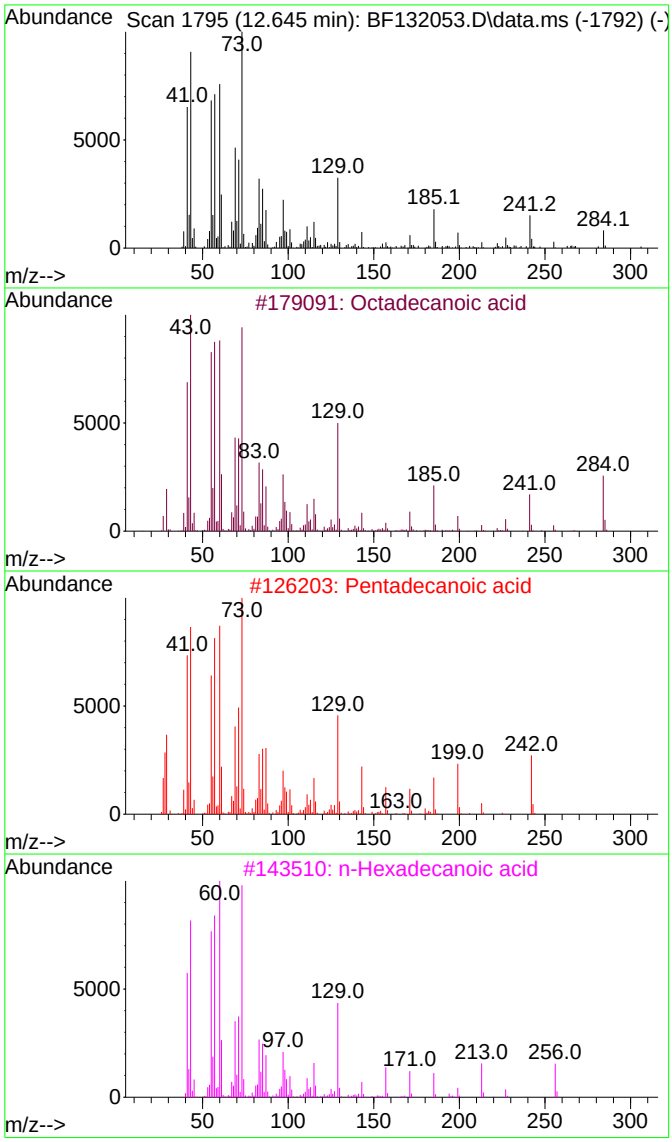
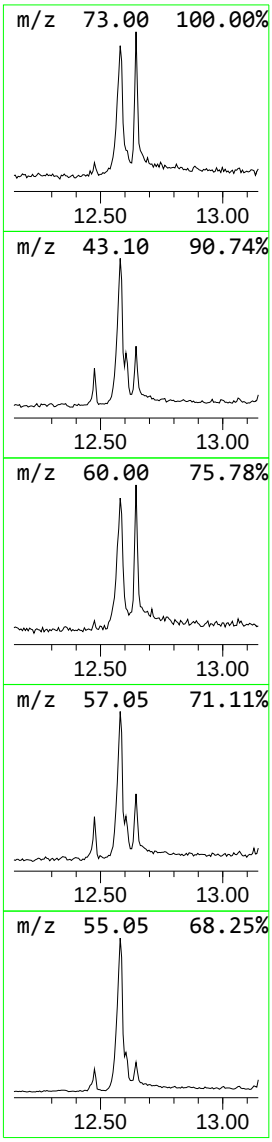
Peak Number 20 Octadecanoic acid Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.645 | 39.98 ng | 361991 | Chrysene-d12 | 13.963 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 97 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 89 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 70 |
| 5 | 8-Methylnonanoic acid | 172 | C10H20O2 | 005963-14-4 | 49 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132053.D
Acq On : 12 Jan 2023 21:27
Operator : CG\JU
Sample : 01064-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
S-14-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Pentanal | 2.134 | 34.7 | ng | 1518890 | 1 | 6.769 | 875761 | 20.0 |
| Hexanal | 4.416 | 403.5 | ng | 17668200 | 1 | 6.769 | 875761 | 20.0 |
| 2-Octenal, (E)- | 7.098 | 40.8 | ng | 1786160 | 1 | 6.769 | 875761 | 20.0 |
| Nonanal | 7.428 | 140.2 | ng | 1507120 | 2 | 8.063 | 214934 | 20.0 |
| Octanoic acid | 7.898 | 63.3 | ng | 680254 | 2 | 8.063 | 214934 | 20.0 |
| 2-Octenoic acid... | 8.151 | 36.1 | ng | 388368 | 2 | 8.063 | 214934 | 20.0 |
| unknown8.369 | 8.369 | 205.3 | ng | 2206540 | 2 | 8.063 | 214934 | 20.0 |
| 2-Decenal, (E)- | 8.469 | 282.2 | ng | 3032680 | 2 | 8.063 | 214934 | 20.0 |
| 2,4-Decadienal,... | 8.675 | 215.6 | ng | 2317100 | 2 | 8.063 | 214934 | 20.0 |
| 2,4-Decadienal,... | 8.828 | 375.0 | ng | 4029710 | 2 | 8.063 | 214934 | 20.0 |
| unknown8.845 | 8.845 | 38.1 | ng | 409173 | 2 | 8.063 | 214934 | 20.0 |
| 2H-Pyran, 3,4-d... | 8.975 | 284.7 | ng | 2615630 | 3 | 9.822 | 183763 | 20.0 |
| unknown9.016 | 9.016 | 443.4 | ng | 4073790 | 3 | 9.822 | 183763 | 20.0 |
| (E)-Hexadec-2-enal | 9.069 | 227.7 | ng | 2092150 | 3 | 9.822 | 183763 | 20.0 |
| 2(3H)-Furanone,... | 9.092 | 62.6 | ng | 575365 | 3 | 9.822 | 183763 | 20.0 |
| unknown9.386 | 9.386 | 92.2 | ng | 846742 | 3 | 9.822 | 183763 | 20.0 |
| 3,5-Octadien-2-one | 9.610 | 38.7 | ng | 355602 | 3 | 9.822 | 183763 | 20.0 |
| unknown9.663 | 9.663 | 76.1 | ng | 698951 | 3 | 9.822 | 183763 | 20.0 |
| Silane, diethyl... | 9.728 | 44.9 | ng | 412936 | 3 | 9.822 | 183763 | 20.0 |
| Octadecanoic acid | 12.645 | 40.0 | ng | 361991 | 5 | 13.963 | 181083 | 20.0 |